

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061126.D
 Acq On : 22 Apr 2020 13:36
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:34:54 PM

Quant Time: Apr 22 15:02:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 14:48:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	197489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	321149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	294421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	139819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.76	65	14254	5.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.14%	
35) Dibromofluoromethane	7.31	113	9746	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
50) Toluene-d8	9.88	98	41941	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
62) 4-Bromofluorobenzene	12.21	95	15220	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.72	85	8981	4.018	ug/l	99
3) Chloromethane	1.91	50	11616	3.532	ug/l	96
4) Vinyl Chloride	2.03	62	14630	5.071	ug/l	99
5) Bromomethane	2.38	94	7120	4.943	ug/l	99
6) Chloroethane	2.52	64	7590	4.647	ug/l	95
7) Trichlorofluoromethane	2.82	101	16085	4.617	ug/l	99
8) Diethyl Ether	3.18	74	7508	5.301	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.50	101	10930	5.181	ug/l	98
10) Methyl Iodide	3.68	142	14974	7.220	ug/l	99
11) Tert butyl alcohol	4.44	59	8970	20.782	ug/l #	72
12) 1,1-Dichloroethene	3.48	96	10660	5.009	ug/l	99
13) Acrolein	3.35	56	5838	16.257	ug/l	95
14) Allyl chloride	4.03	41	18718	4.825	ug/l	98
15) Acrylonitrile	4.64	53	28037	23.568	ug/l	98
16) Acetone	3.55	43	32817	30.567	ug/l	98
17) Carbon Disulfide	3.78	76	31170	4.685	ug/l	99
18) Methyl Acetate	4.02	43	19918	5.843	ug/l	99
19) Methyl tert-butyl Ether	4.69	73	38569	5.174	ug/l	98
20) Methylene Chloride	4.24	84	12696	5.288	ug/l	95
21) trans-1,2-Dichloroethene	4.69	96	12880	5.594	ug/l	92
22) Diisopropyl ether	5.61	45	40086	4.829	ug/l	95
23) Vinyl Acetate	5.55	43	155786	23.807	ug/l	99
24) 1,1-Dichloroethane	5.51	63	22671	5.028	ug/l	98
25) 2-Butanone	6.51	43	37249	22.403	ug/l	100
26) 2,2-Dichloropropane	6.50	77	20397	5.393	ug/l	100
27) cis-1,2-Dichloroethene	6.50	96	14688	5.572	ug/l	96
28) Bromochloromethane	6.89	49	9534	4.679	ug/l #	99
29) Tetrahydrofuran	6.90	42	26963	23.820	ug/l	98
30) Chloroform	7.08	83	22780	5.352	ug/l	98
31) Cyclohexane	7.37	56	24799	5.396	ug/l #	96
32) 1,1,1-Trichloroethane	7.29	97	20032	5.425	ug/l	99
36) 1,1-Dichloropropene	7.52	75	17437	5.302	ug/l	98
37) Ethyl Acetate	6.61	43	15697	4.431	ug/l	97
38) Carbon Tetrachloride	7.50	117	15047	5.474	ug/l	100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	21695	5.503	ug/l	97
40) Benzene	7.78	78	52032	5.333	ug/l	99
41) Methacrylonitrile	6.87	41	8561m	5.702	ug/l	
42) 1,2-Dichloroethane	7.87	62	18992	5.686	ug/l	97
43) Isopropyl Acetate	7.91	43	29069	5.035	ug/l	100
44) Trichloroethene	8.60	130	15333	6.101	ug/l	98
45) 1,2-Dichloropropane	8.89	63	13635	5.193	ug/l	100
46) Dibromomethane	8.98	93	8453	5.492	ug/l	96
47) Bromodichloromethane	9.18	83	16965	5.262	ug/l	96
48) Methyl methacrylate	8.98	41	13308	5.178	ug/l	95
49) 1,4-Dioxane	8.97	88	4014	128.696	ug/l	97
51) 4-Methyl-2-Pentanone	9.78	43	82596	24.740	ug/l	100
52) Toluene	9.95	92	32429	5.509	ug/l	98
53) t-1,3-Dichloropropene	10.18	75	20692	5.518	ug/l	97
54) cis-1,3-Dichloropropene	9.63	75	21700	5.323	ug/l	94
55) 1,1,2-Trichloroethane	10.36	97	12210	5.470	ug/l	97
56) Ethyl methacrylate	10.24	69	17417	4.990	ug/l	95
57) 1,3-Dichloropropane	10.51	76	20902	5.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	45981	27.753	ug/l	99
59) 2-Hexanone	10.55	43	61073	25.297	ug/l	98
60) Dibromochloromethane	10.70	129	12343	5.359	ug/l	99
61) 1,2-Dibromoethane	10.81	107	12479	5.454	ug/l	100
64) Tetrachloroethene	10.43	164	17337	7.291	ug/l	98
65) Chlorobenzene	11.24	112	33362	5.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.31	131	11699	5.366	ug/l	98
67) Ethyl Benzene	11.32	91	62196	5.447	ug/l	99
68) m/p-Xylenes	11.43	106	46610	11.225	ug/l	100
69) o-Xylene	11.76	106	22102	5.536	ug/l	99
70) Styrene	11.77	104	34073	5.302	ug/l	97
71) Bromoform	11.93	173	8059	4.956	ug/l #	98
73) Isopropylbenzene	12.06	105	58951	5.283	ug/l	100
74) N-amyl acetate	11.89	43	25231	4.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	15771	4.729	ug/l	100
76) 1,2,3-Trichloropropane	12.36	75	18010m	5.763	ug/l	
77) Bromobenzene	12.33	156	14610	5.563	ug/l	100
78) n-propylbenzene	12.40	91	69972	5.377	ug/l	99
79) 2-Chlorotoluene	12.48	91	40717	5.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	50092	5.434	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.11	75	6531	5.221	ug/l #	94
82) 4-Chlorotoluene	12.58	91	42139	5.322	ug/l	100
83) tert-Butylbenzene	12.80	119	41234	5.301	ug/l	96
84) 1,2,4-Trimethylbenzene	12.85	105	49223	5.399	ug/l	99
85) sec-Butylbenzene	12.98	105	55983	5.331	ug/l	99
86) p-Isopropyltoluene	13.10	119	51772	5.521	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	25690	5.514	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	26461	5.633	ug/l	96
89) n-Butylbenzene	13.43	91	46549	5.359	ug/l	100
90) Hexachloroethane	13.68	117	3347	2.489	ug/l	94
91) 1,2-Dichlorobenzene	13.46	146	23929	5.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.08	75	3343	5.125	ug/l	96

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Apr 22 14:48:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.71	180	15522	5.859	ug/l	98
94) Hexachlorobutadiene	14.82	225	7080	5.307	ug/l	98
95) Naphthalene	14.93	128	47642	6.082	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	14940	5.848	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

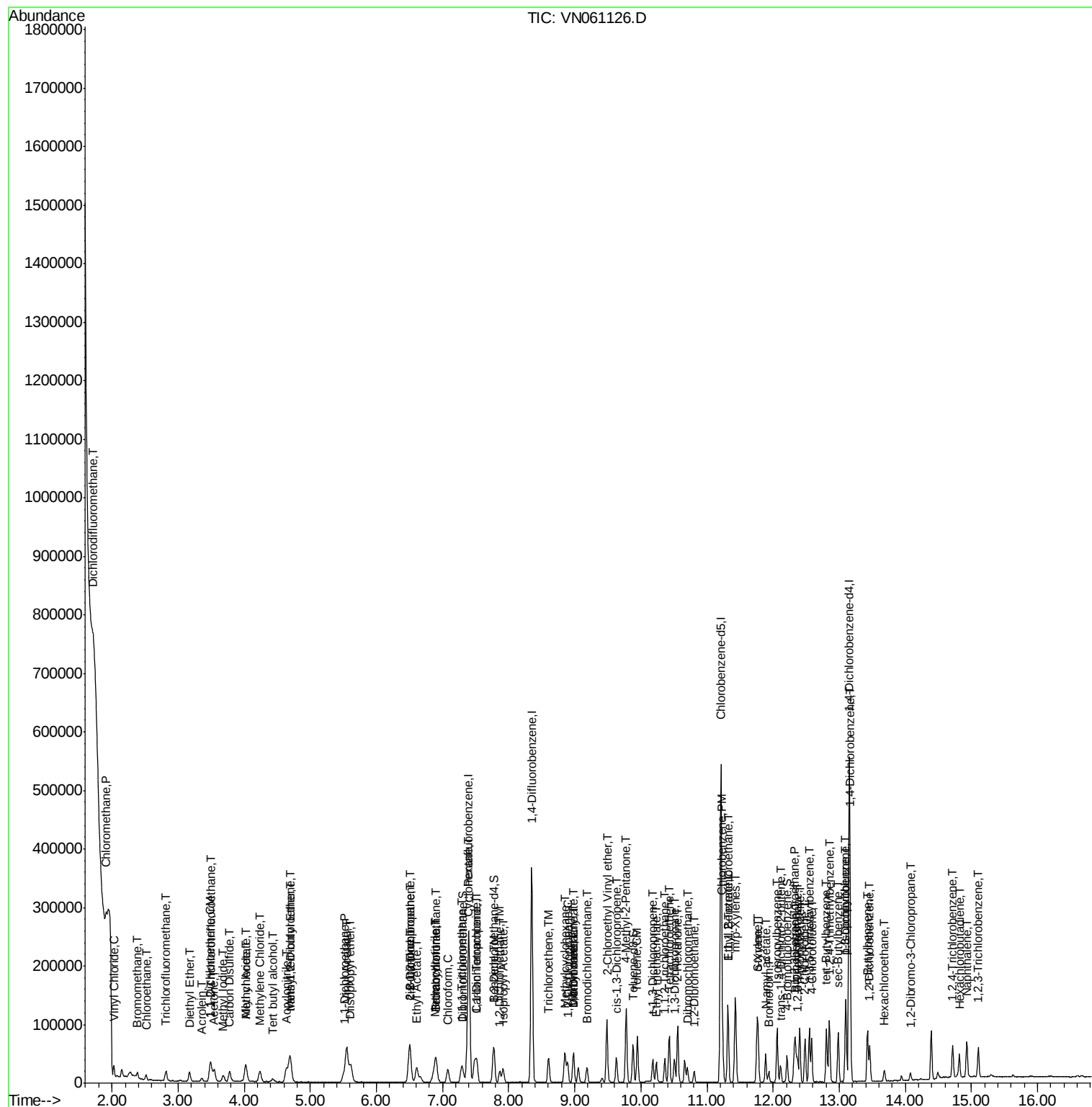
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Data File : VN061126.D
Acq On : 22 Apr 2020 13:36
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

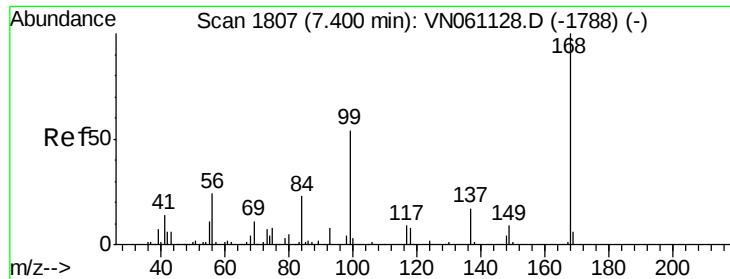
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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4/24/2020 1:34:54 PM

Quant Time: Apr 22 15:02:45 2020
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 197489

Ion Ratio Lower Upper

168 100

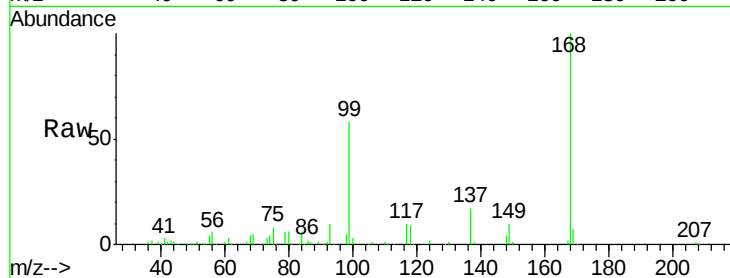
99 58.0 44.3 66.5

Manual Integrations

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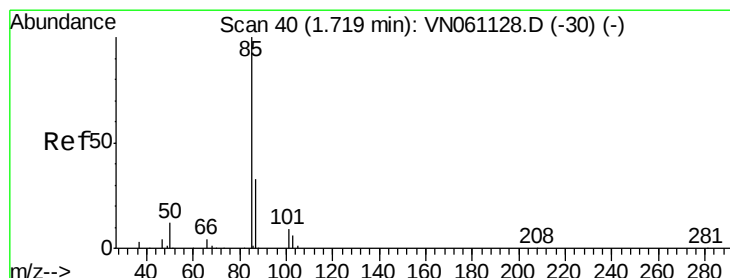
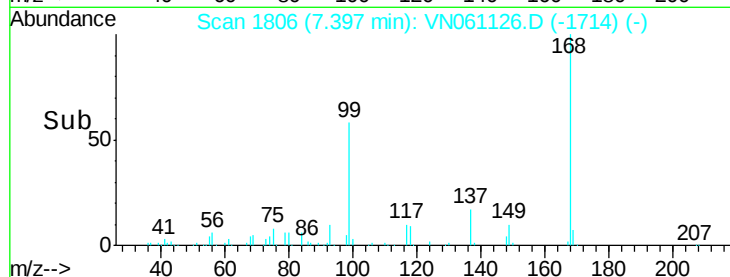
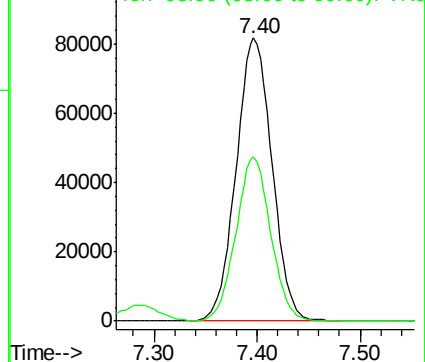
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 4.018 ug/l

RT: 1.72 min Scan# 40

Delta R.T. -0.00 min

Lab File: VN061126.D

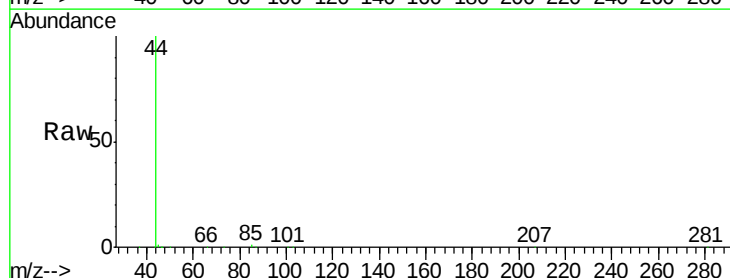
Acq: 22 Apr 2020 13:36

Tgt Ion: 85 Resp: 8981

Ion Ratio Lower Upper

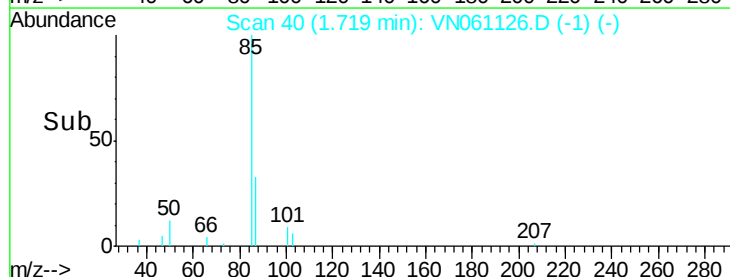
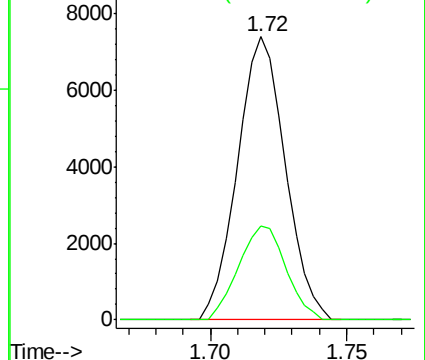
85 100

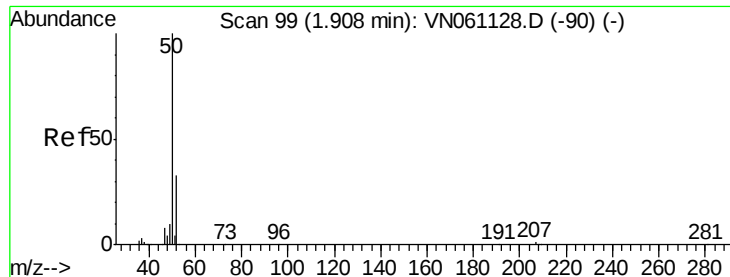
87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 3.532 ug/l

RT: 1.91 min Scan# 99

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11616

Ion Ratio Lower Upper

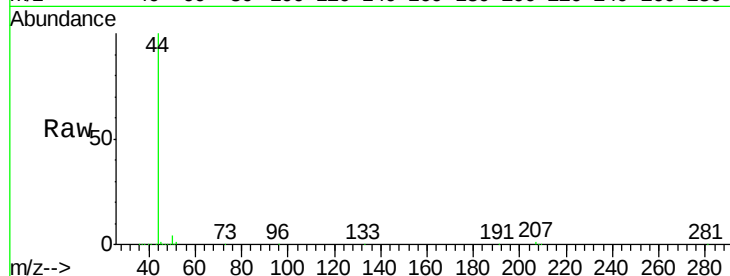
50 100

52 35.2 26.3 39.5

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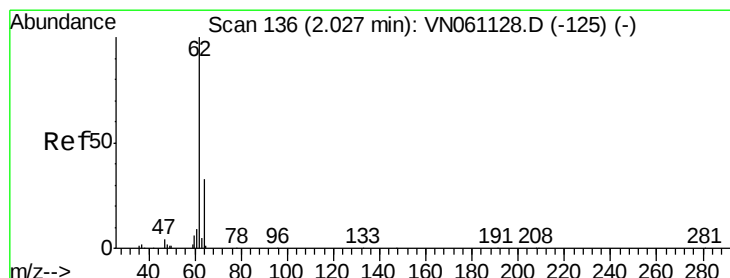
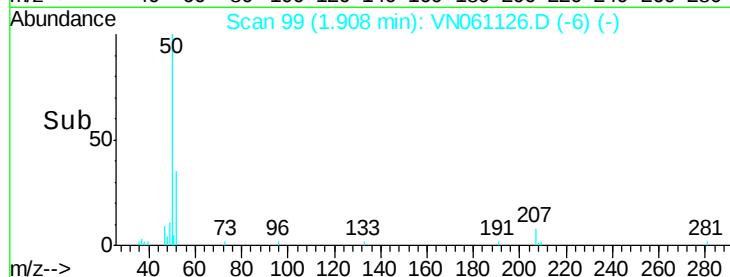
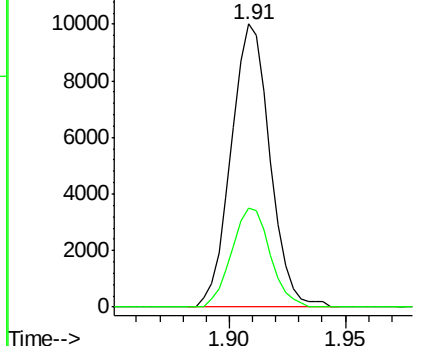
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Abundance Ion 49.90 (49.60 to 50.60): VN061126.D (-90) (-)

Ion 51.90 (51.60 to 52.60): VN061126.D (-90) (-)



#4

Vinyl Chloride

Concen: 5.071 ug/l

RT: 2.03 min Scan# 136

Delta R.T. -0.00 min

Lab File: VN061126.D

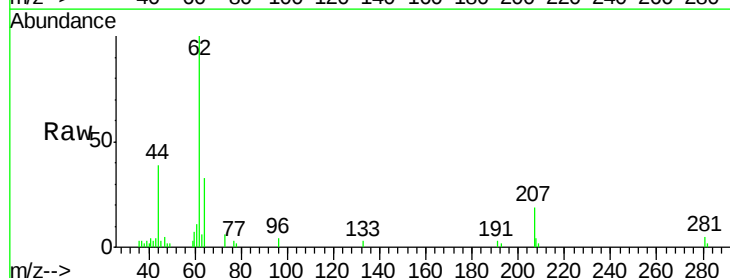
Acq: 22 Apr 2020 13:36

Tgt Ion: 62 Resp: 14630

Ion Ratio Lower Upper

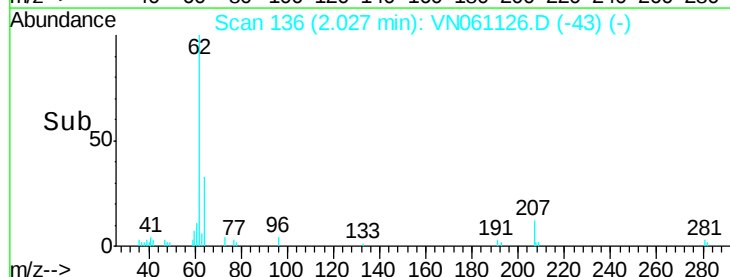
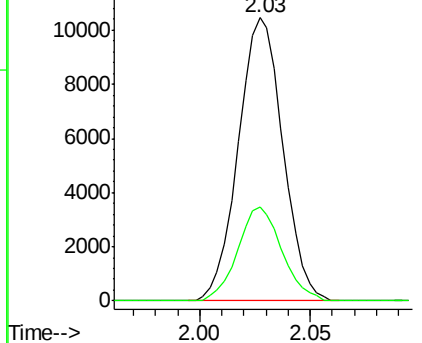
62 100

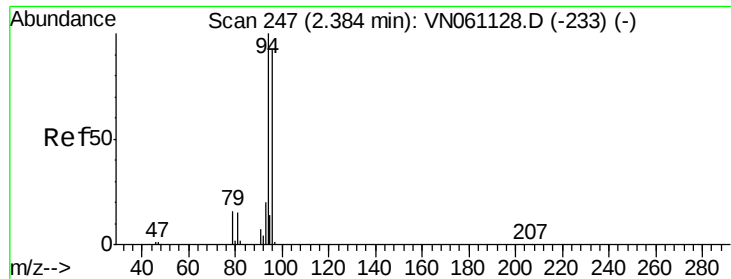
64 33.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VN061126.D (-125) (-)

Ion 63.90 (63.60 to 64.60): VN061126.D (-125) (-)





#5

Bromomethane

Concen: 4.943 ug/l

RT: 2.38 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

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ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7120

Ion Ratio Lower Upper

94 100

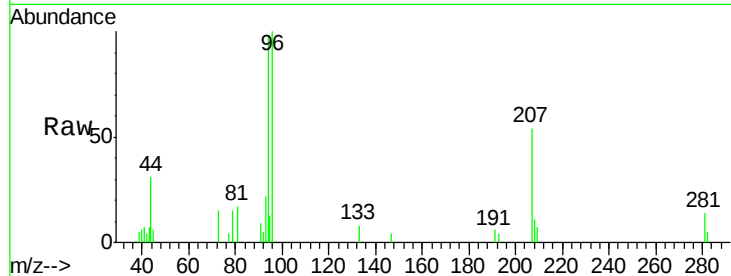
96 93.3 73.6 110.4

Manual Integrations

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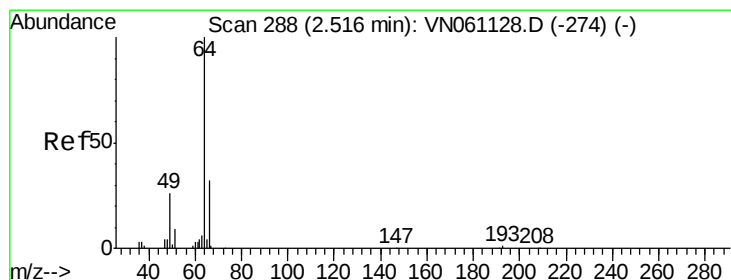
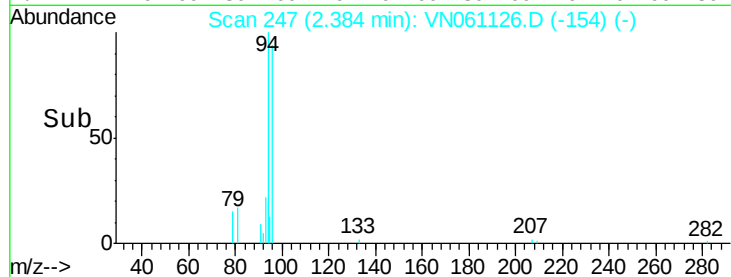
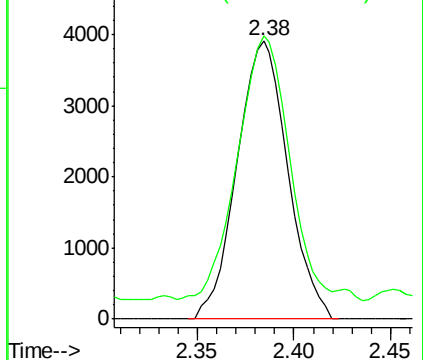
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.647 ug/l

RT: 2.52 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN061126.D

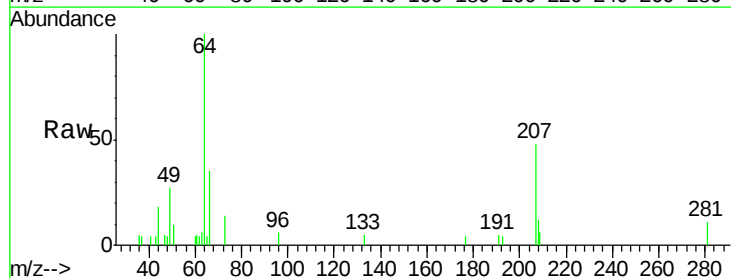
Acq: 22 Apr 2020 13:36

Tgt Ion: 64 Resp: 7590

Ion Ratio Lower Upper

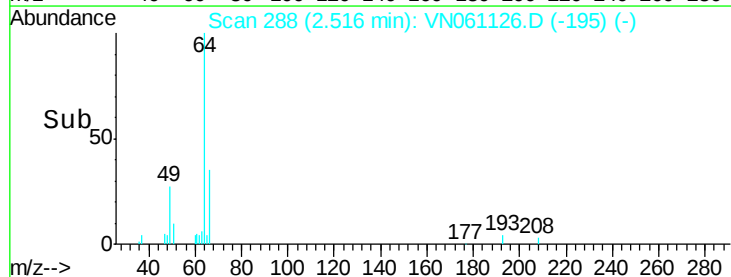
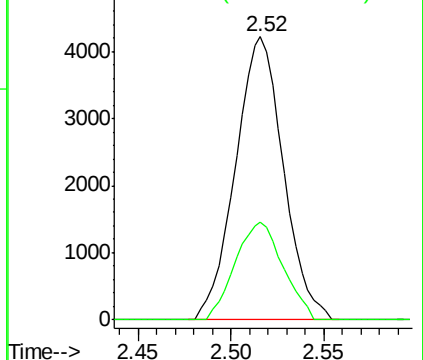
64 100

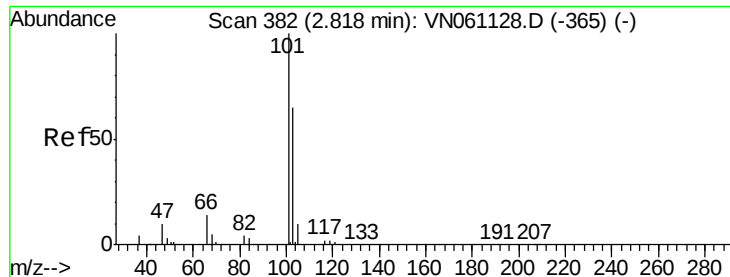
66 34.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

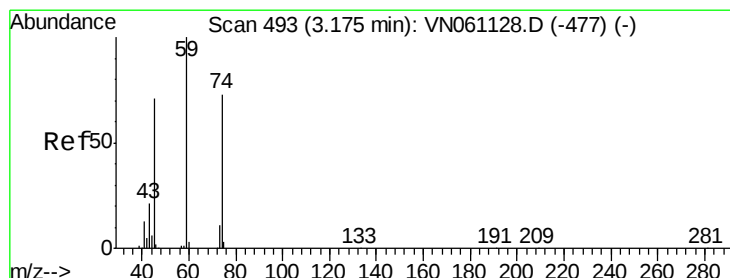
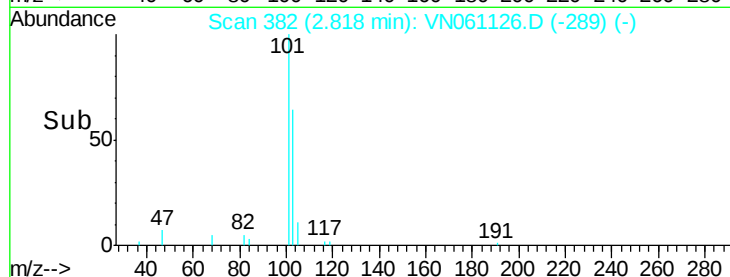
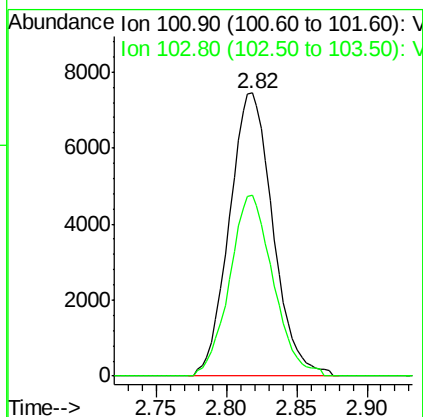
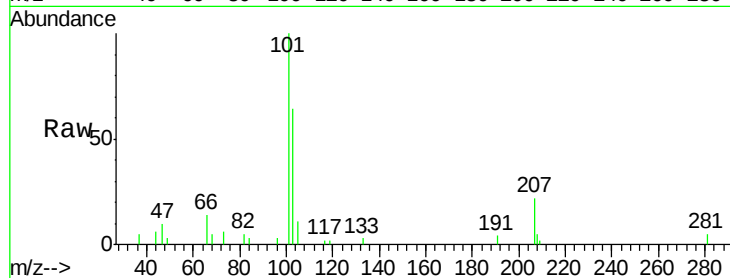
Trichlorofluoromethane
 Concen: 4.617 ug/l
 RT: 2.82 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN061126.D
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Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

Manual Integrations
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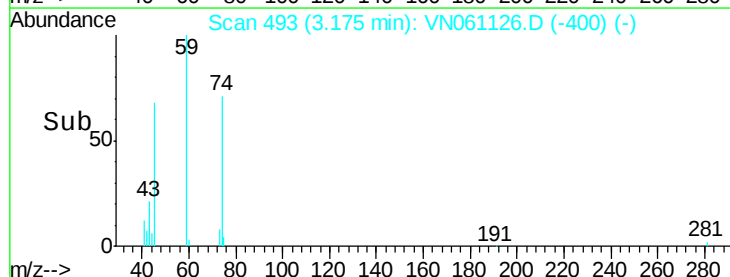
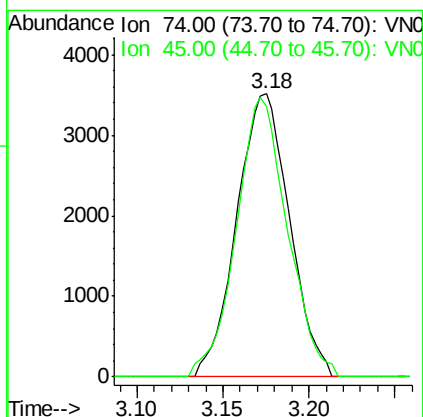
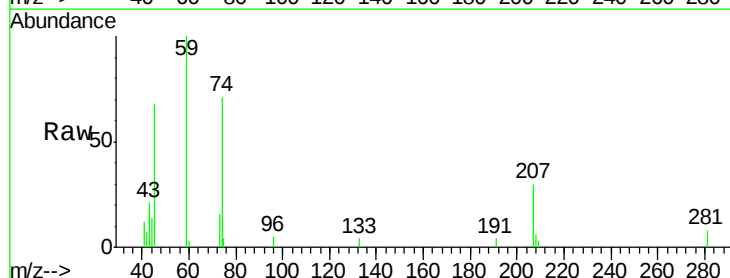
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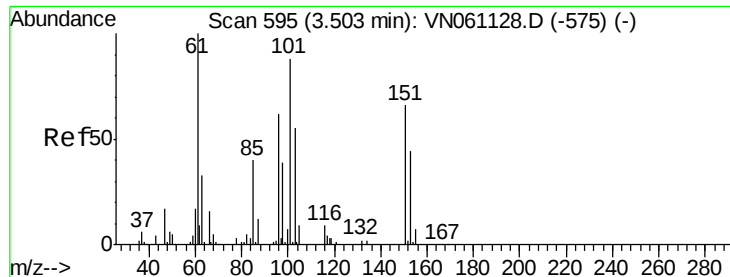


#8

Diethyl Ether
 Concen: 5.301 ug/l
 RT: 3.18 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	49.1	147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.181 ug/l

RT: 3.50 min Scan# 595

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

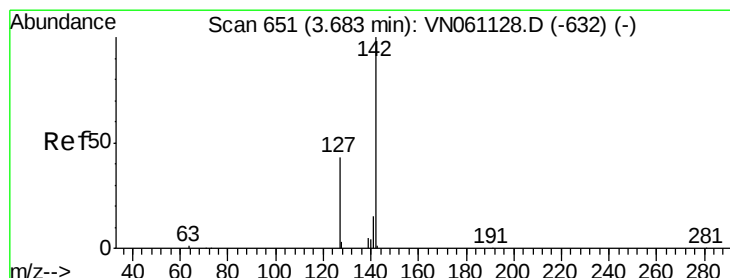
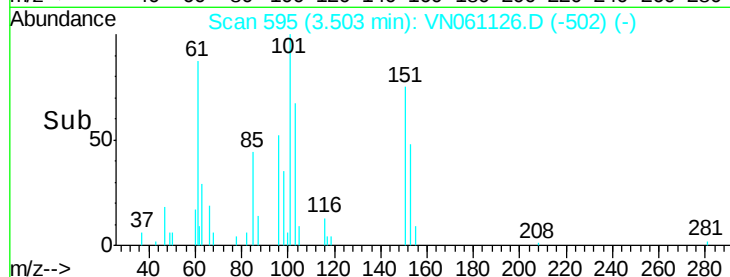
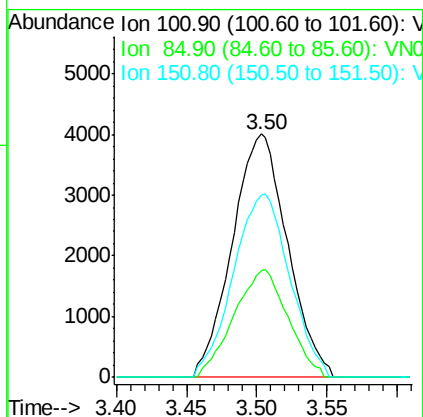
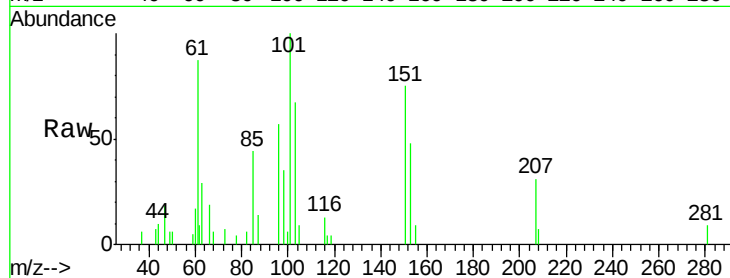
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10930
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.2	54.4
151	76.8	61.8	92.8

Manual Integrations
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#10

Methyl Iodide

Concen: 7.220 ug/l

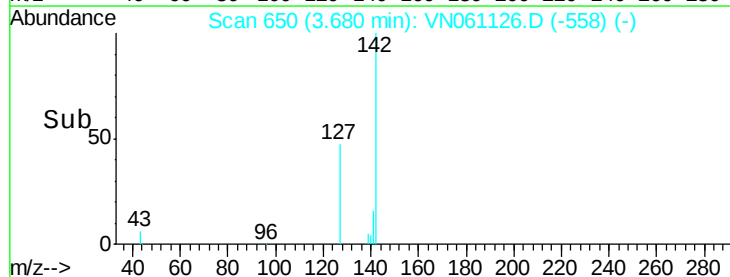
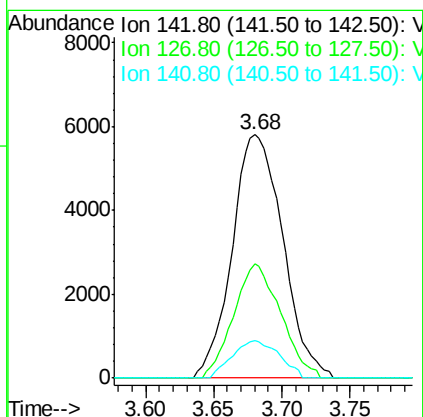
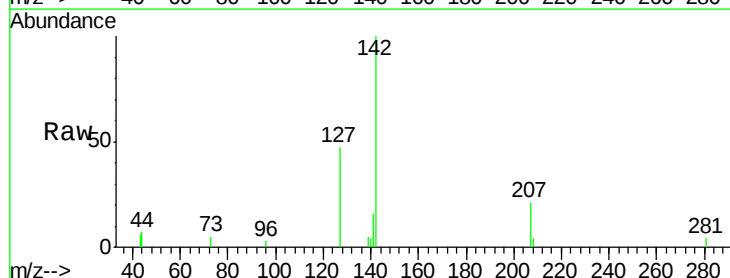
RT: 3.68 min Scan# 650

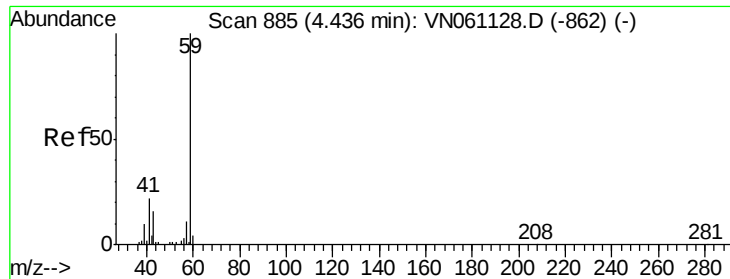
Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Tgt Ion:	142	Resp:	14974
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.2	51.4
141	14.4	11.3	16.9





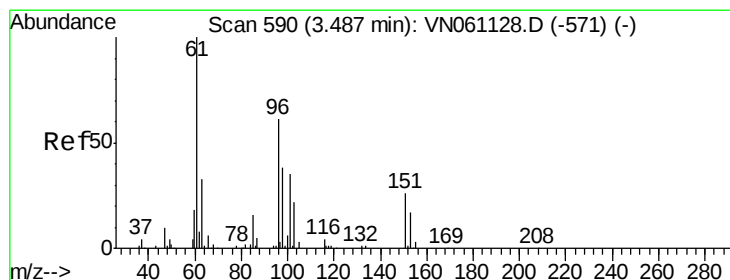
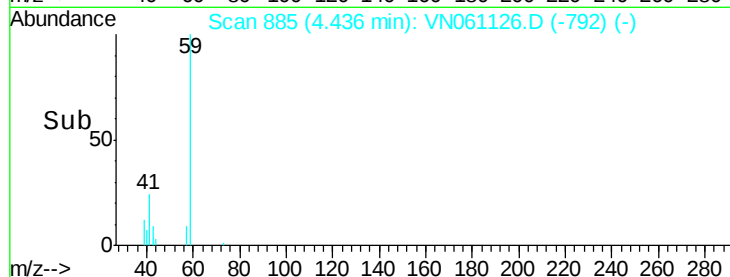
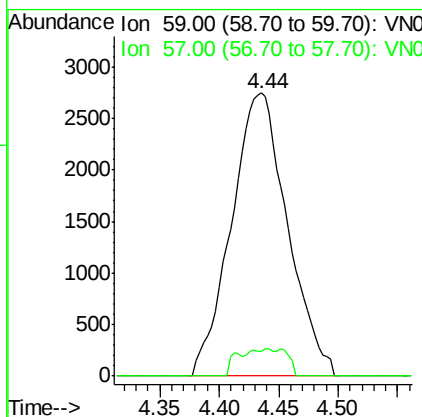
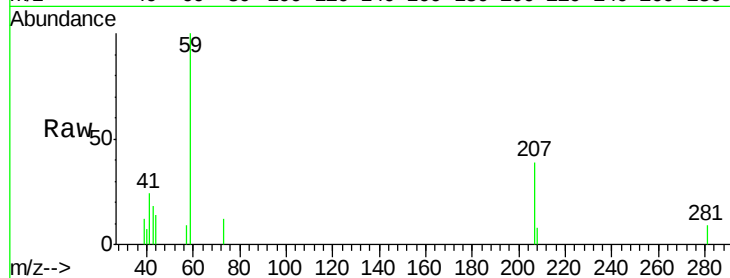
#11
Tert butyl alcohol
Concen: 20.782 ug/l
RT: 4.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

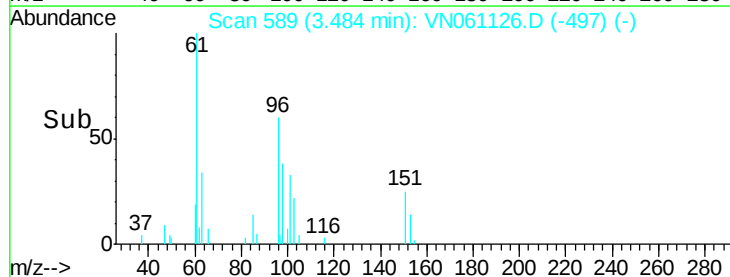
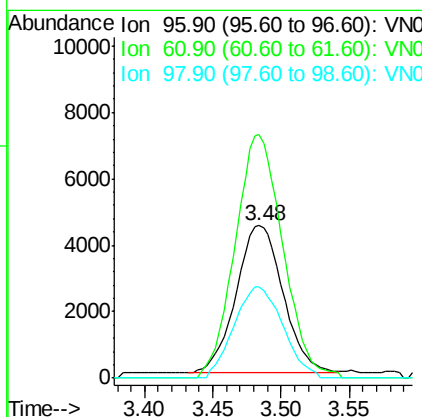
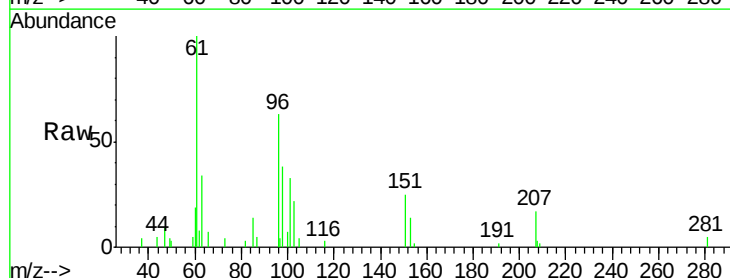
Manual Integrations
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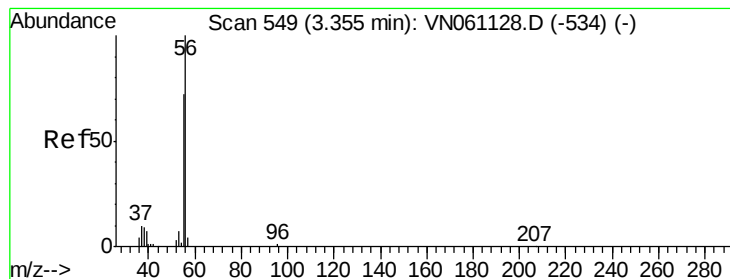
MMDadoda
4/24/2020 1:34:54 PM



#12
1,1-Dichloroethene
Concen: 5.009 ug/l
RT: 3.48 min Scan# 589
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	130.8	196.2
98	62.1	49.4	74.2





#13

Acrolein

Concen: 16.257 ug/l

RT: 3.35 min Scan# 548

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5838

Ion Ratio Lower Upper

56 100

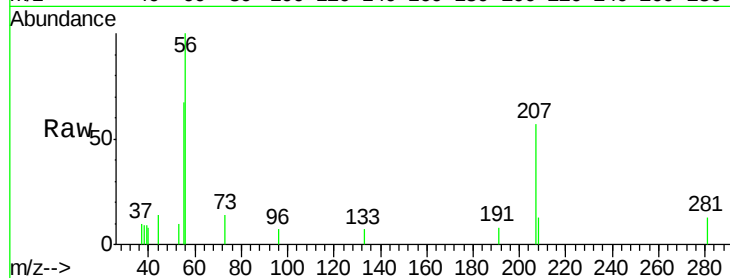
55 67.7 57.4 86.0

Manual Integrations

APPROVED

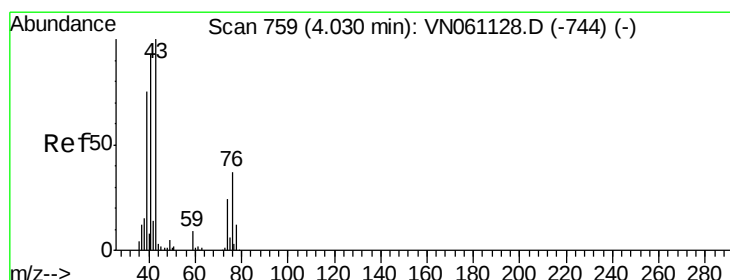
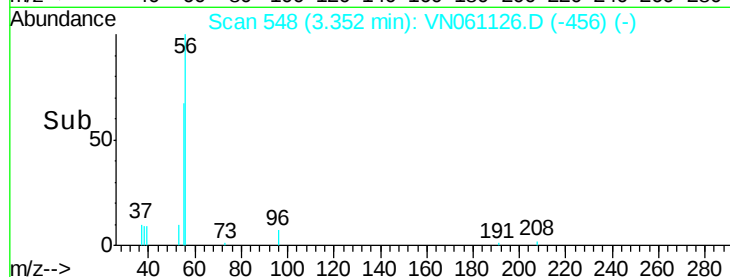
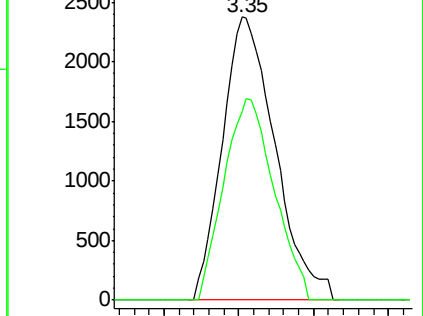
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.825 ug/l

RT: 4.03 min Scan# 758

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

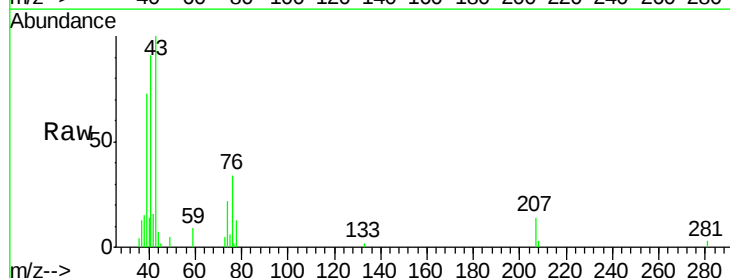
Tgt Ion: 41 Resp: 18718

Ion Ratio Lower Upper

41 100

39 74.7 61.0 91.4

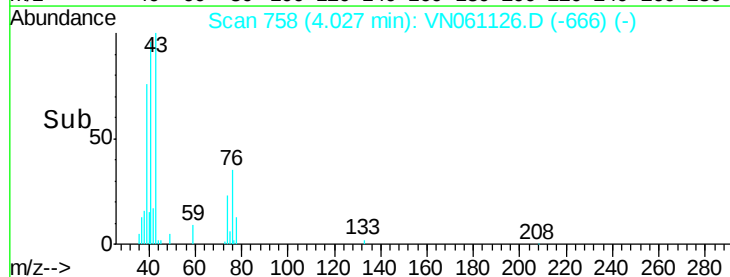
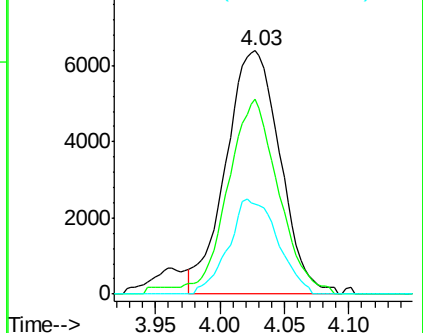
76 35.3 28.9 43.3

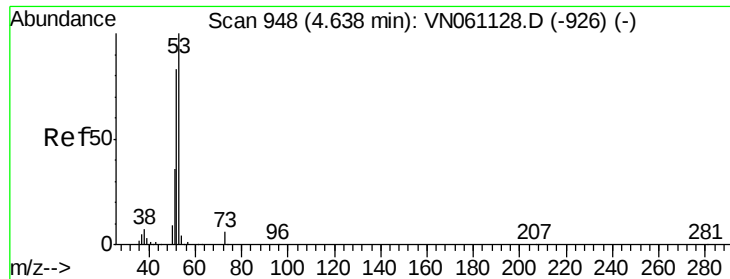


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





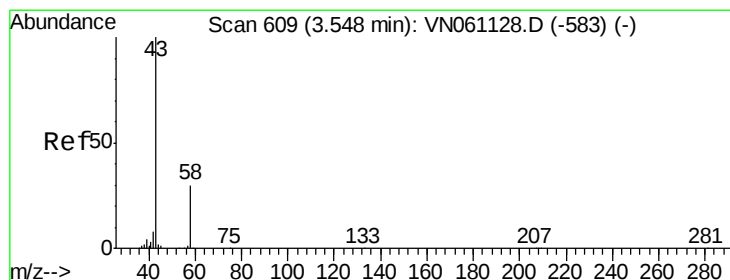
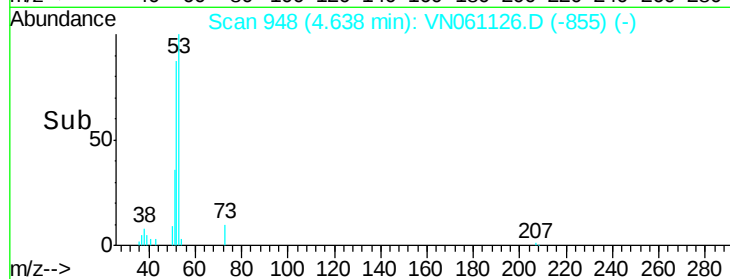
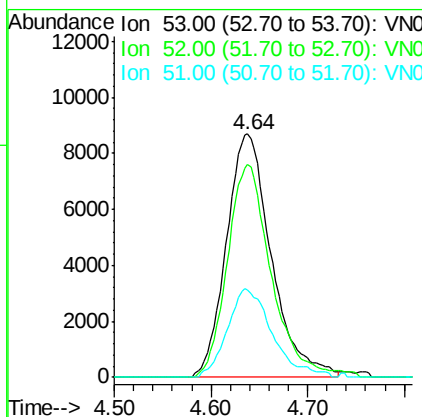
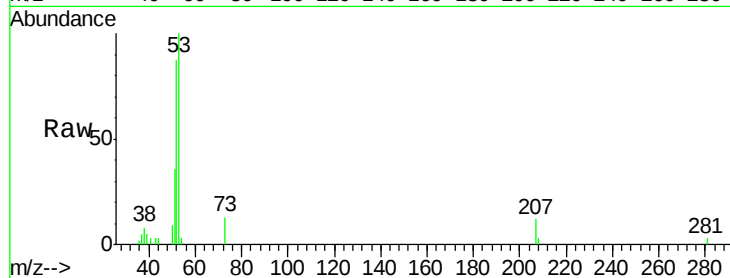
#15
 Acrylonitrile
 Concen: 23.568 ug/l
 RT: 4.64 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	28037
Ion Ratio	Lower	Upper	
53	100		
52	85.6	66.1	99.1
51	36.4	29.0	43.4

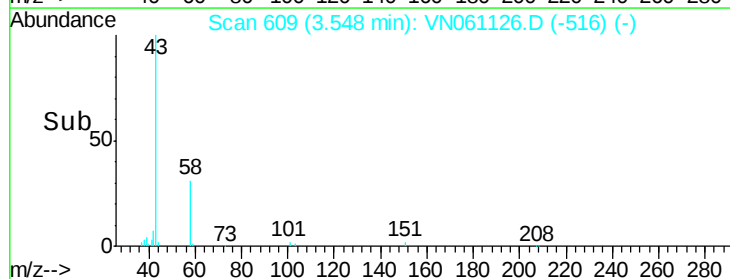
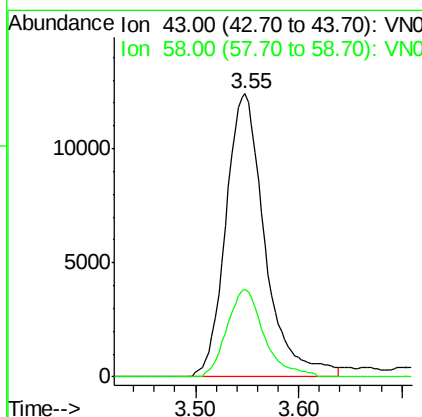
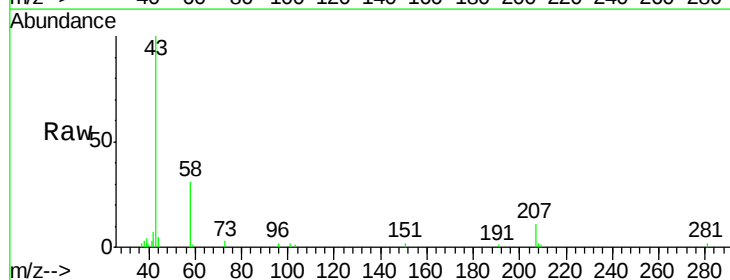
Manual Integrations
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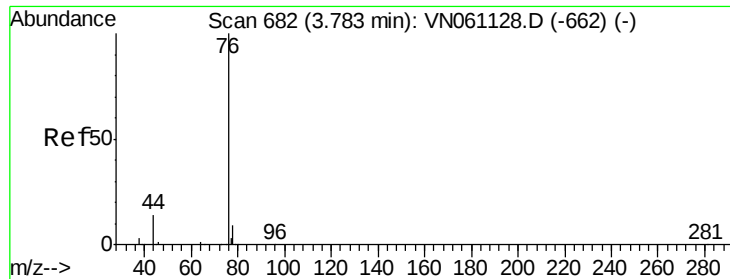
MMDadoda
 4/24/2020 1:34:54 PM



#16
 Acetone
 Concen: 30.567 ug/l
 RT: 3.55 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion:	43	Resp:	32817
Ion Ratio	Lower	Upper	
43	100		
58	30.8	23.6	35.4





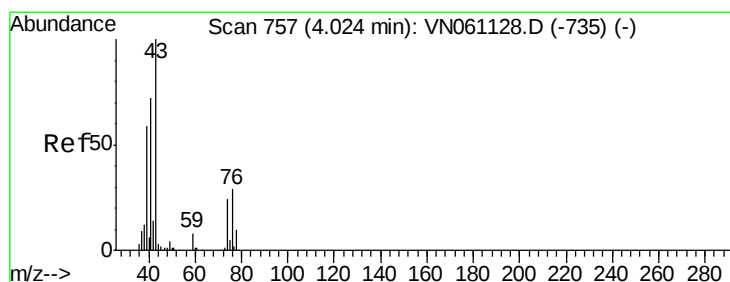
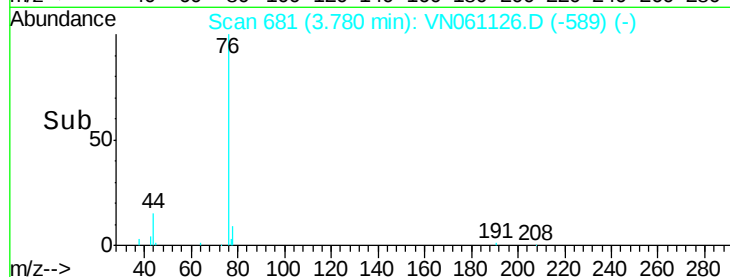
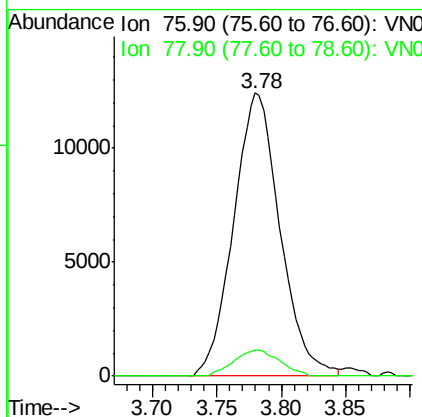
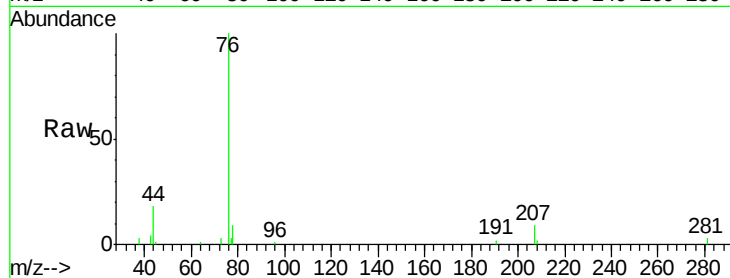
#17
Carbon Disulfide
Concen: 4.685 ug/l
RT: 3.78 min Scan# 681
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

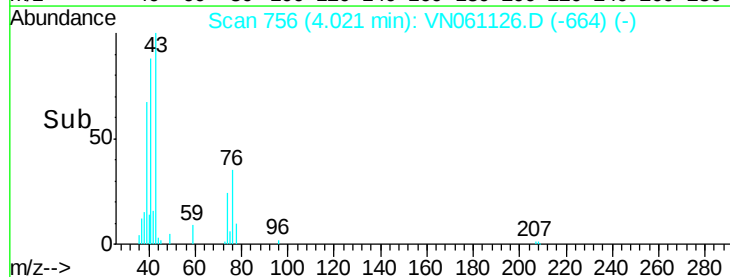
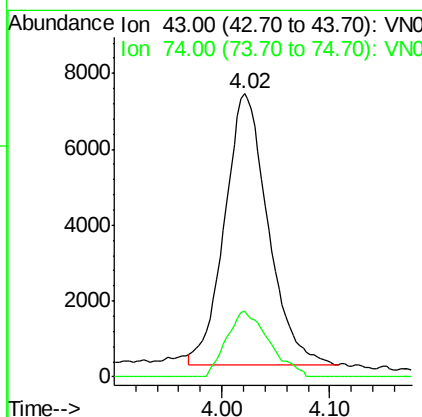
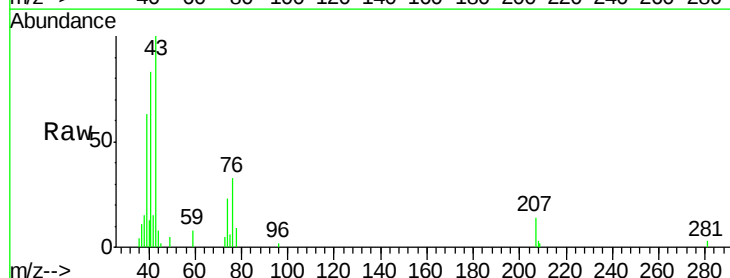
Manual Integrations
APPROVED

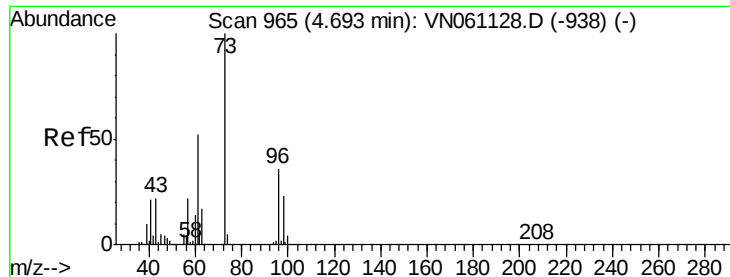
MMDadoda
4/24/2020 1:34:54 PM



#18
Methyl Acetate
Concen: 5.843 ug/l
RT: 4.02 min Scan# 756
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.0





#19

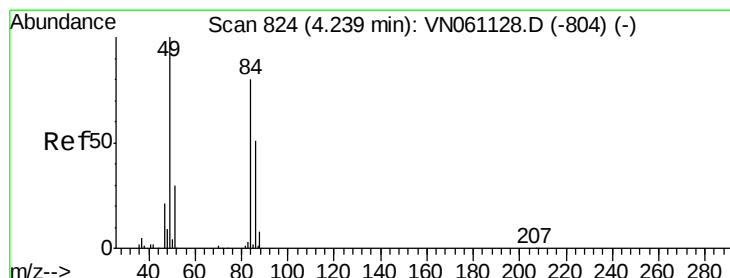
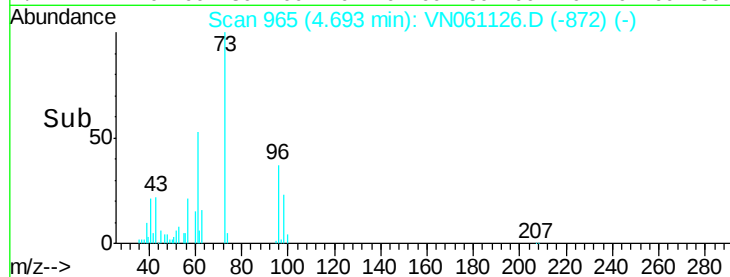
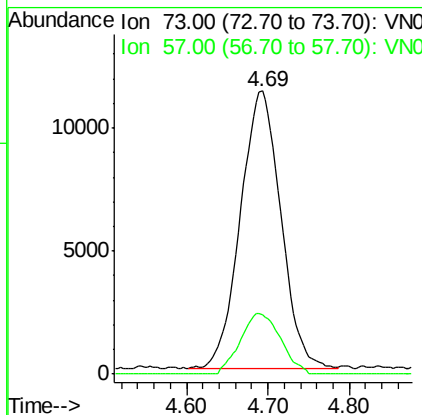
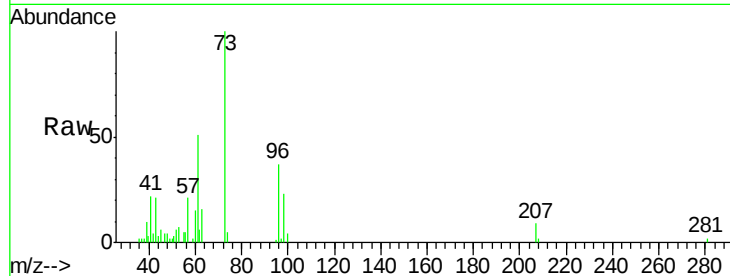
Methyl tert-butyl Ether
 Concen: 5.174 ug/l
 RT: 4.69 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	73	Resp	38569
Ion Ratio	Lower	Upper	
73	100		
57	21.2	17.8	26.8

Manual Integrations
 APPROVED

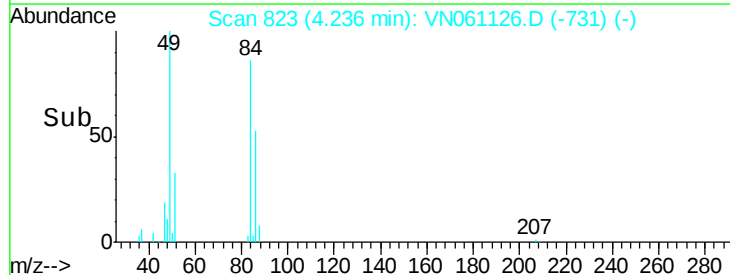
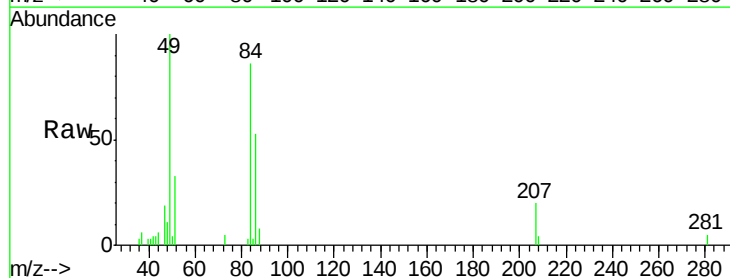
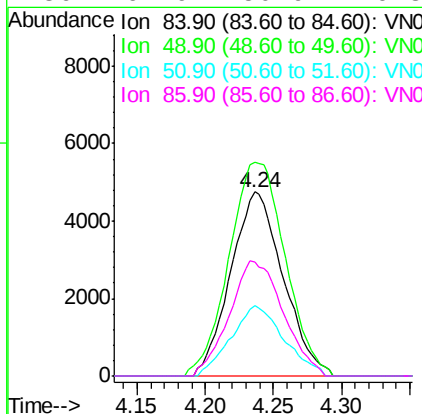
MMDadoda
 4/24/2020 1:34:54 PM

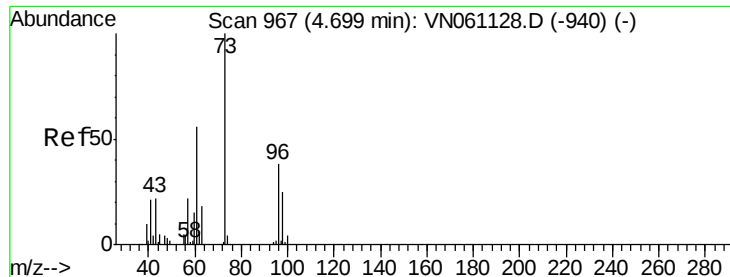


#20

Methylene Chloride
 Concen: 5.288 ug/l
 RT: 4.24 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion	84	Resp	12696
Ion Ratio	Lower	Upper	
84	100		
49	116.2	99.8	149.6
51	38.1	29.9	44.9
86	61.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 5.594 ug/l

RT: 4.69 min Scan# 964

Delta R.T. -0.01 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

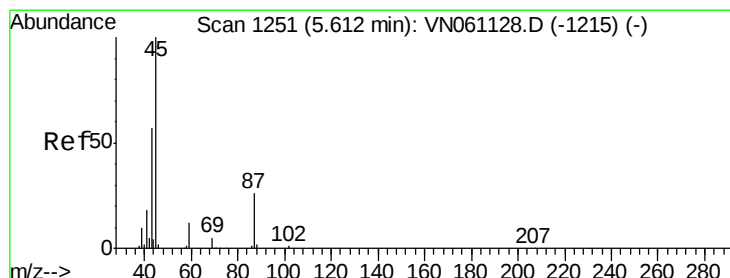
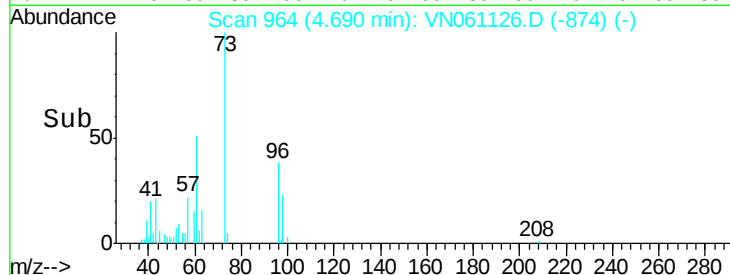
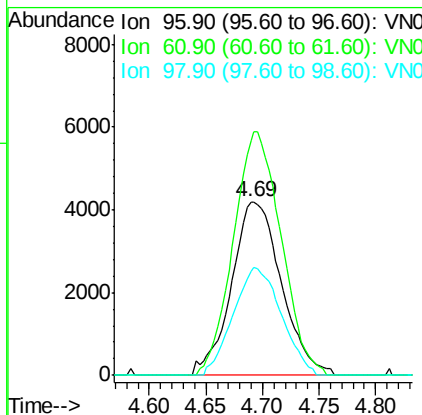
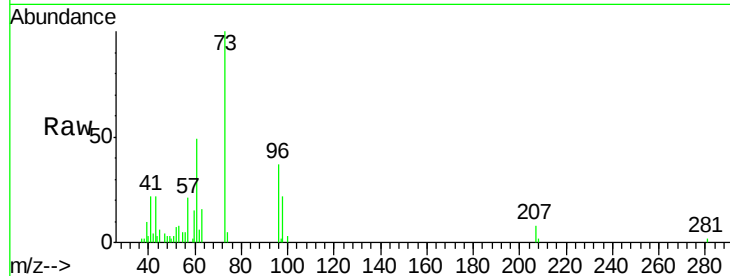
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	12880
Ion	Ratio	Lower	Upper
96	100		
61	134.9	116.4	174.6
98	60.0	51.4	77.2

Manual Integrations
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MMDadoda
4/24/2020 1:34:54 PM



#22

Diisopropyl ether

Concen: 4.829 ug/l

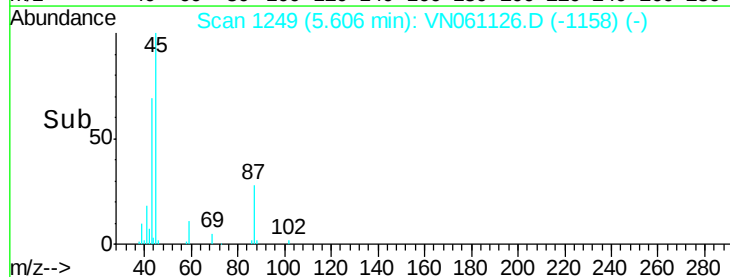
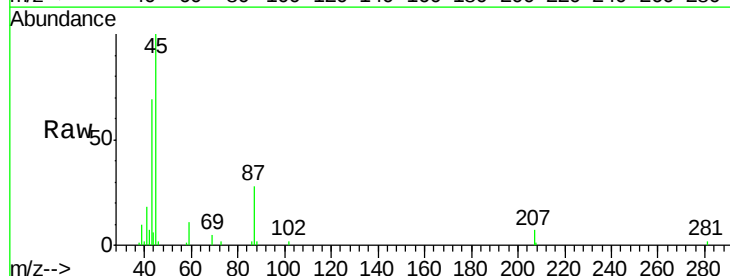
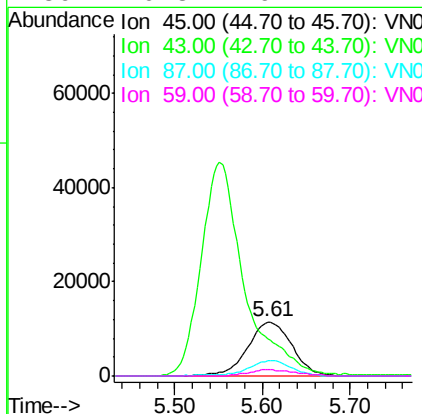
RT: 5.61 min Scan# 1249

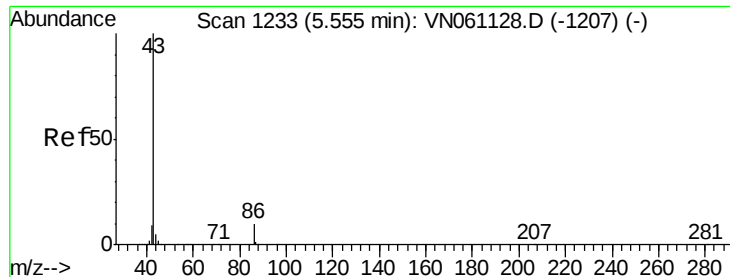
Delta R.T. -0.01 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Tgt Ion:	45	Resp:	40086
Ion	Ratio	Lower	Upper
45	100		
43	65.5	48.4	72.6
87	27.7	21.4	32.0
59	10.8	9.4	14.2





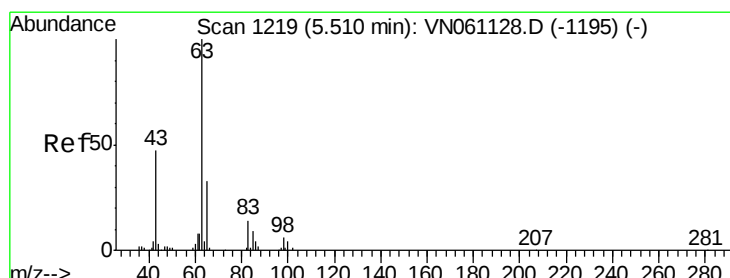
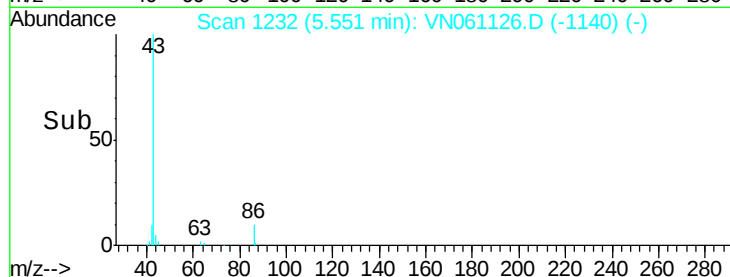
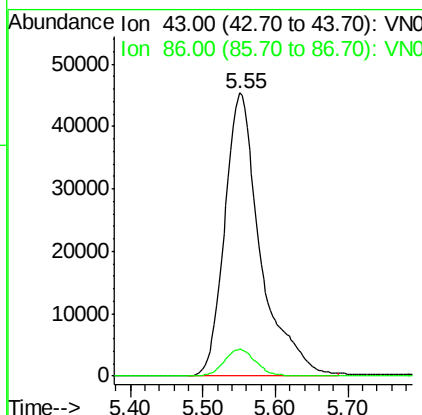
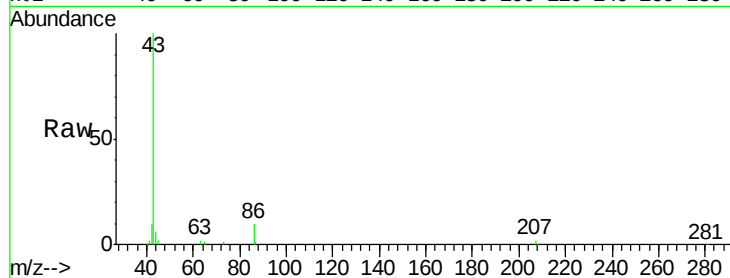
#23
 Vinyl Acetate
 Concen: 23.807 ug/l
 RT: 5.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
43	100	155786		
86	9.5		7.8	11.8

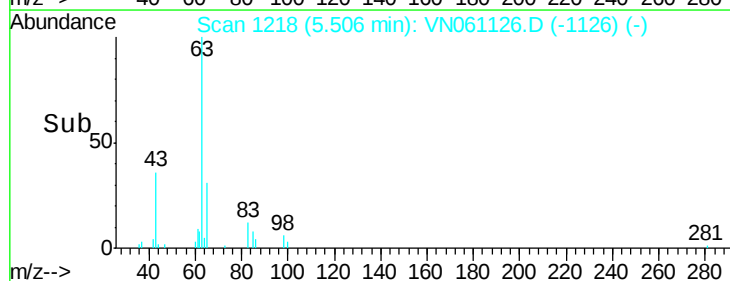
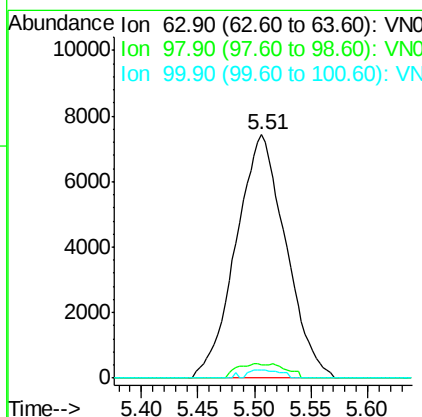
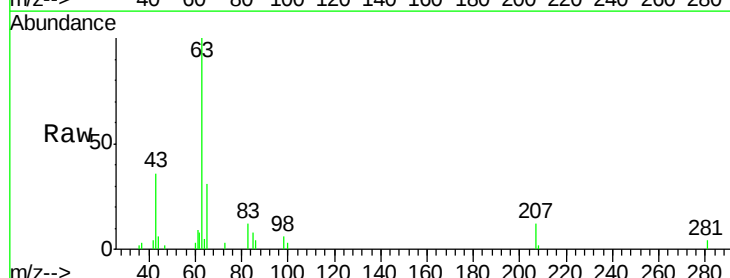
Manual Integrations
 APPROVED

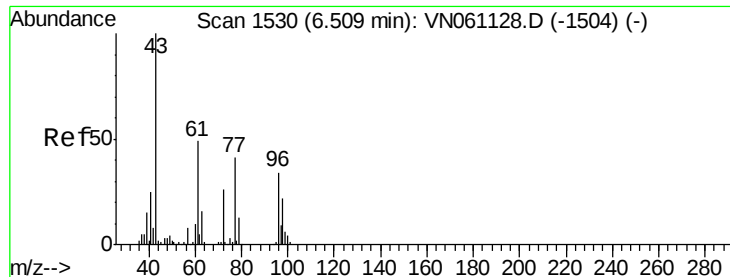
MMDadoda
 4/24/2020 1:34:54 PM



#24
 1,1-Dichloroethane
 Concen: 5.028 ug/l
 RT: 5.51 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	22671		
98	5.7		3.3	9.8
100	3.5		2.0	6.0





#25

2-Butanone

Concen: 22.403 ug/l

RT: 6.51 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 37249

Ion Ratio Lower Upper

43 100

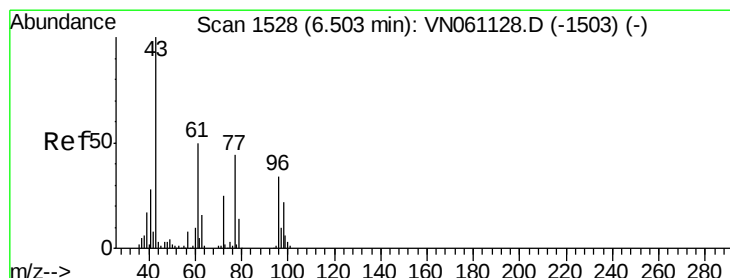
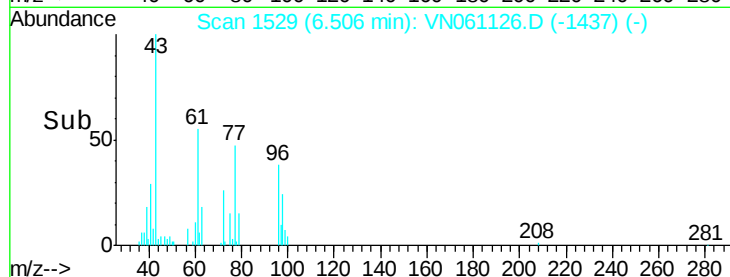
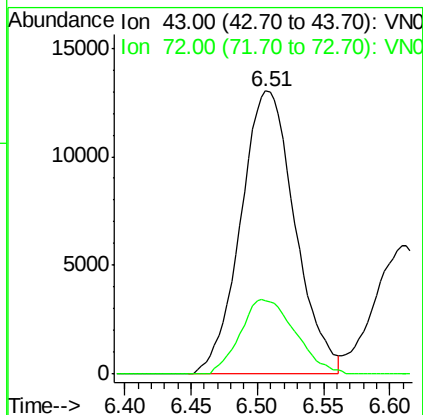
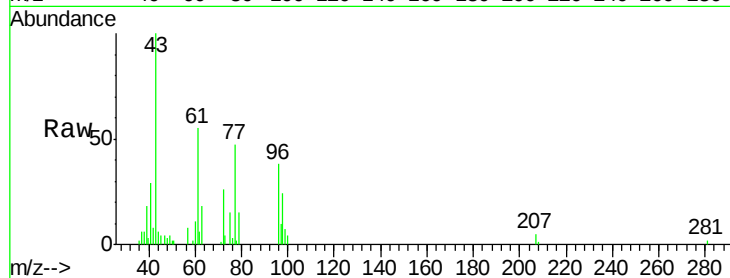
72 25.9 20.8 31.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.393 ug/l

RT: 6.50 min Scan# 1527

Delta R.T. -0.00 min

Lab File: VN061126.D

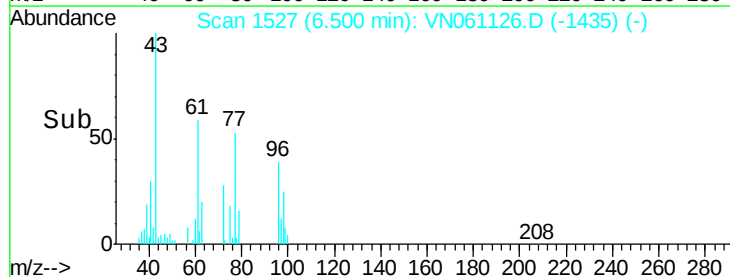
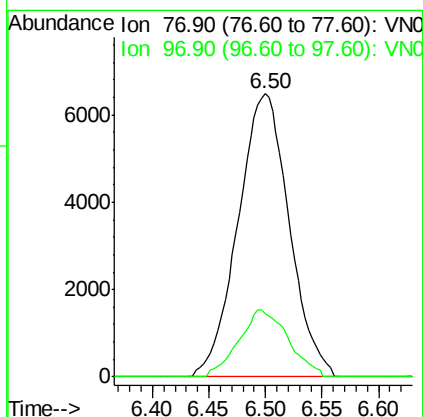
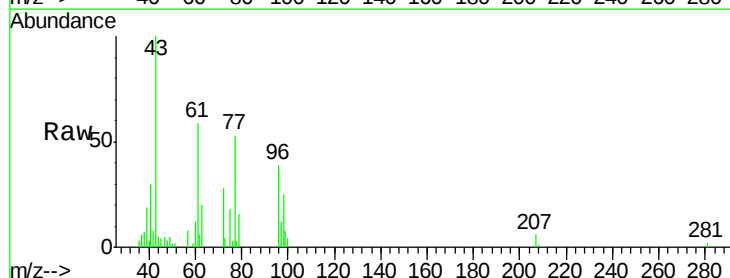
Acq: 22 Apr 2020 13:36

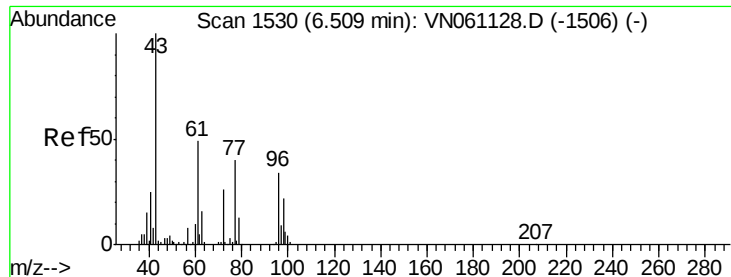
Tgt Ion: 77 Resp: 20397

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1





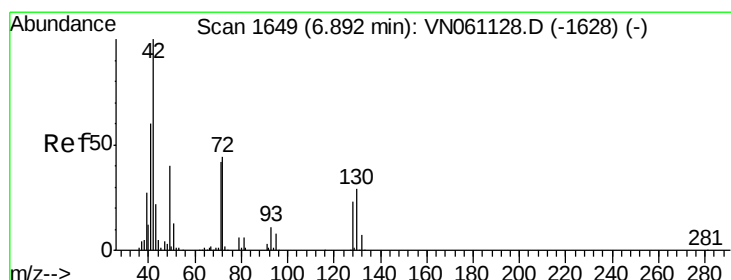
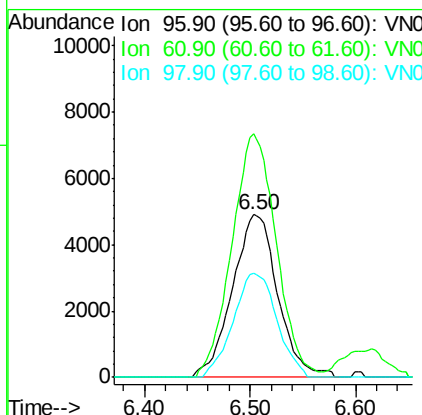
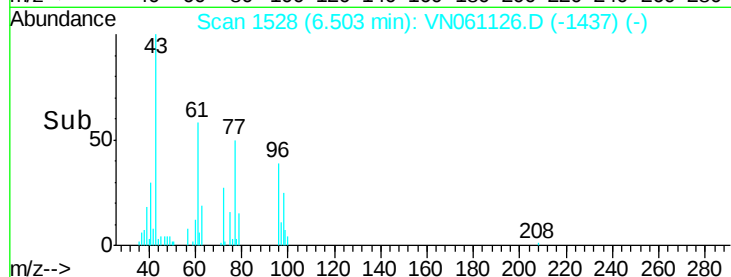
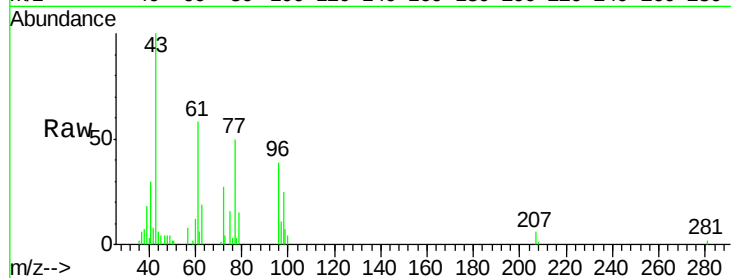
#27
 cis-1,2-Dichloroethene
 Concen: 5.572 ug/l
 RT: 6.50 min Scan# 1528
 Delta R.T. -0.01 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	300.4
98	61.4	0.0	129.6

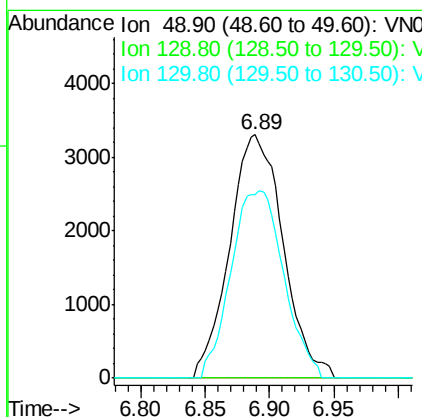
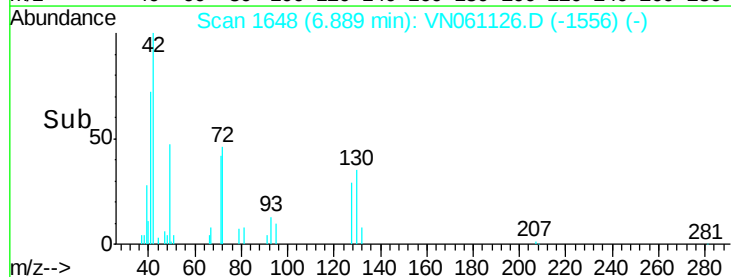
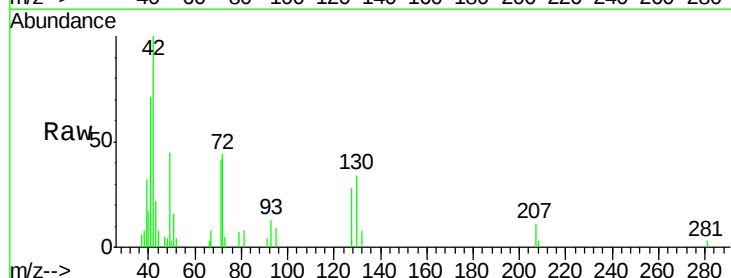
Manual Integrations
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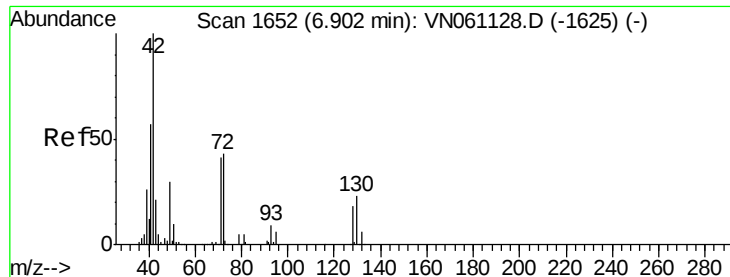
MMDadoda
 4/24/2020 1:34:54 PM



#28
 Bromochloromethane
 Concen: 4.679 ug/l
 RT: 6.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	75.8	59.7	89.5





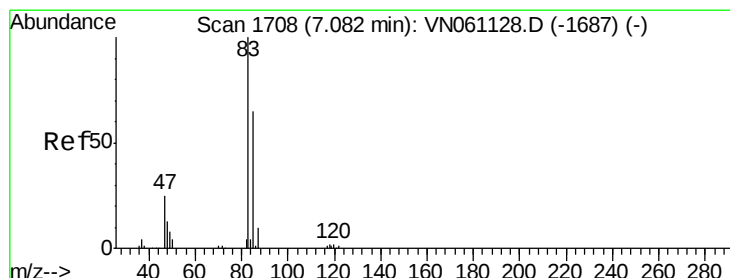
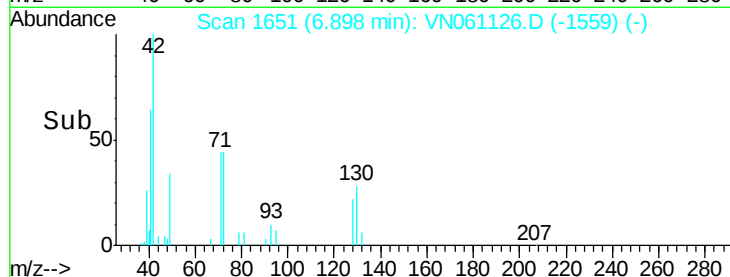
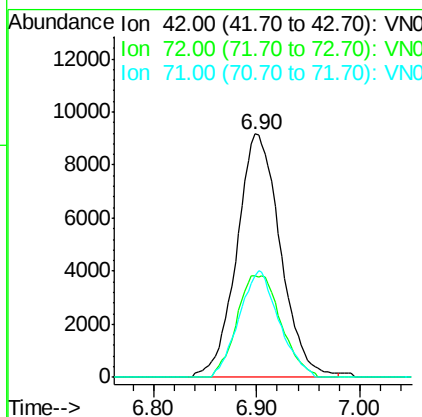
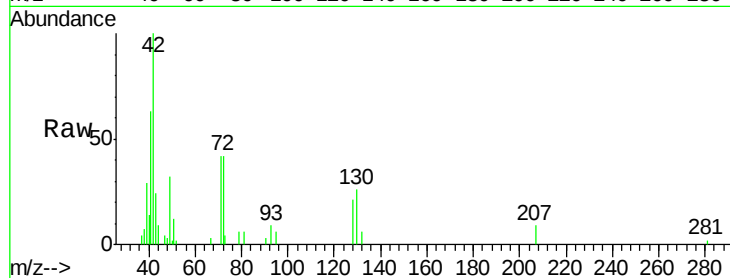
#29
Tetrahydrofuran
Concen: 23.820 ug/l
RT: 6.90 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	26963
Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.1	52.7
71	40.1	33.0	49.6

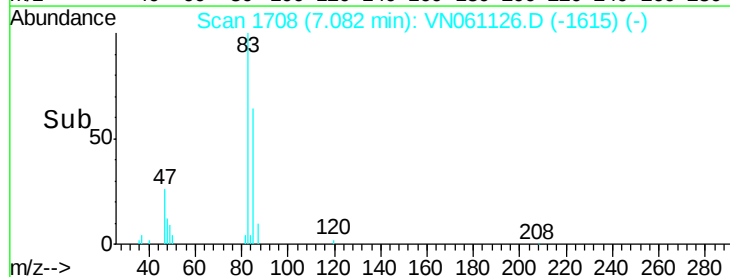
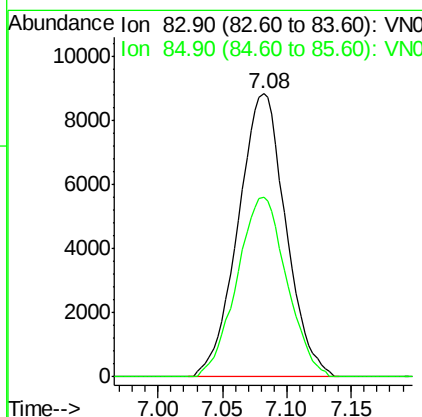
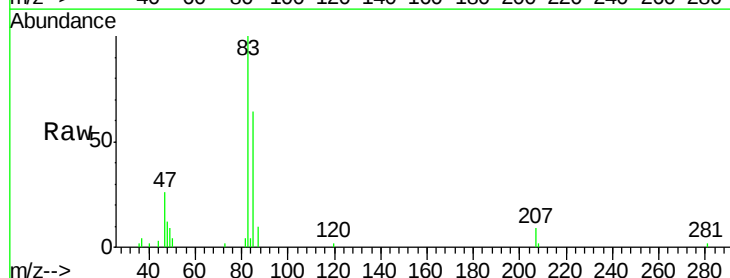
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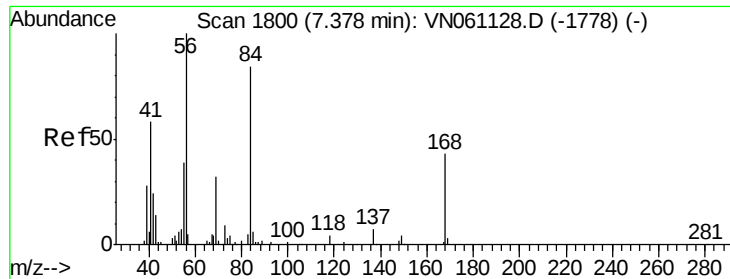
MMDadoda
4/24/2020 1:34:54 PM



#30
Chloroform
Concen: 5.352 ug/l
RT: 7.08 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion:	83	Resp:	22780
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.4





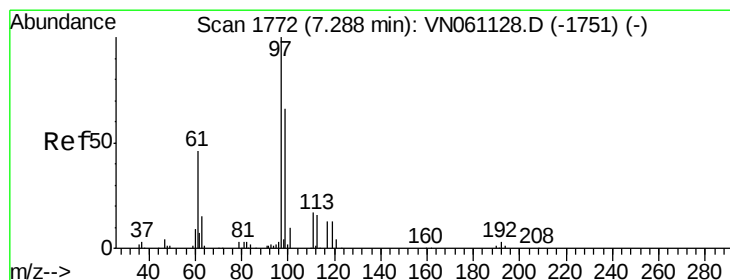
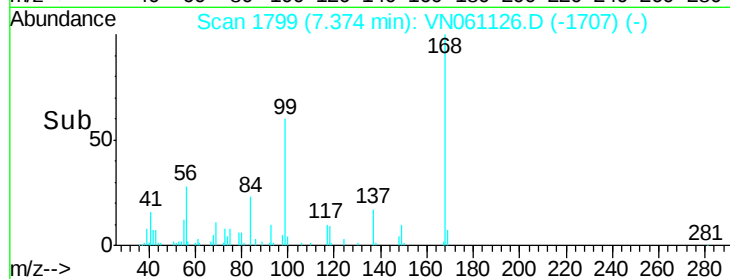
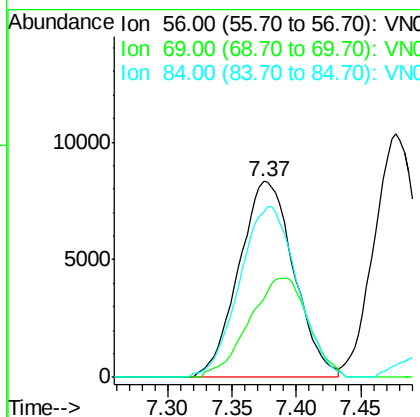
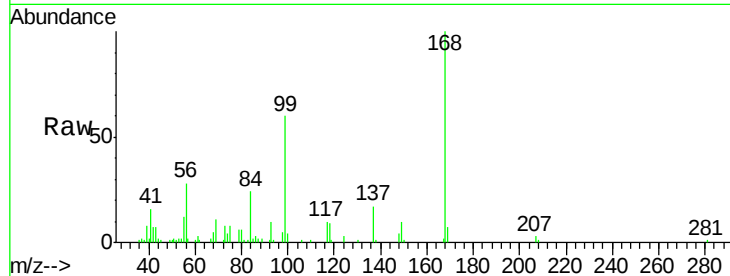
#31
Cyclohexane
Concen: 5.396 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	40.1	25.9	38.9	
84	84.8	67.4	101.0	

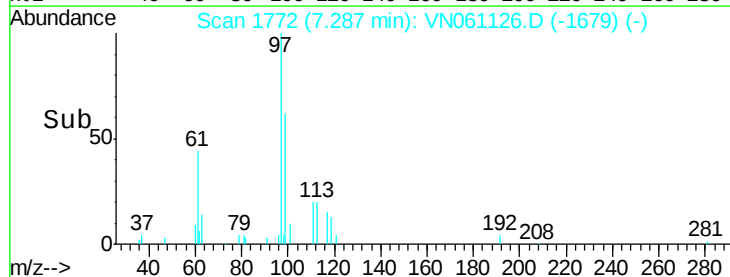
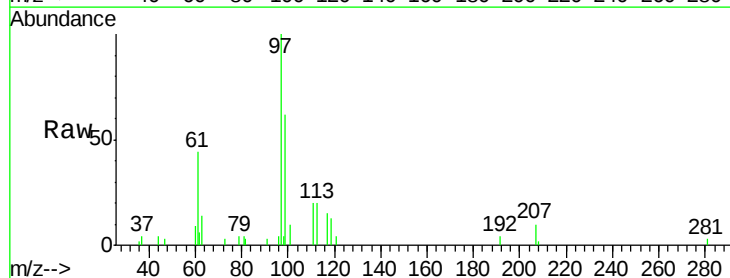
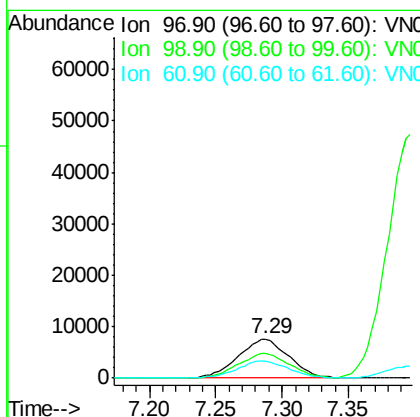
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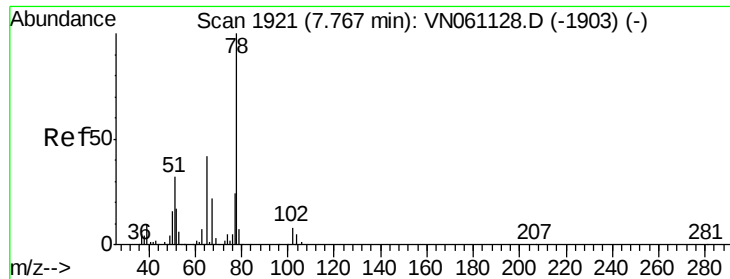
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.425 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	52.0	78.0	
61	45.0	35.9	53.9	





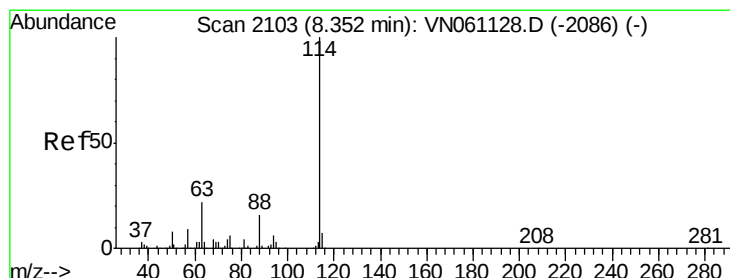
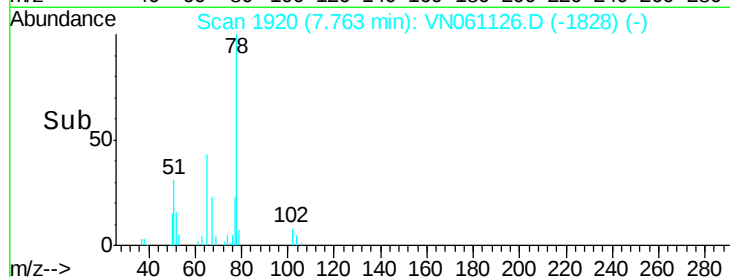
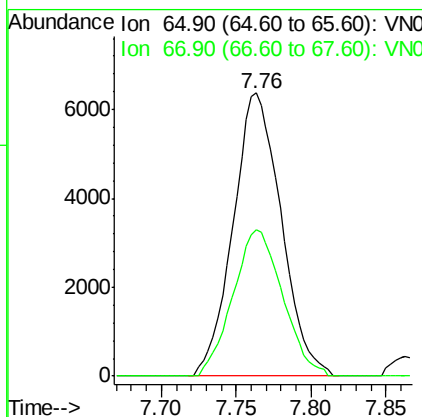
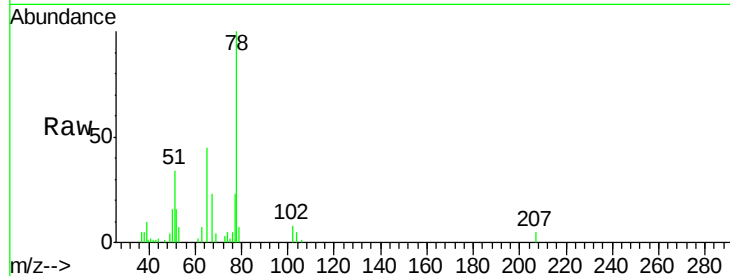
#33
 1,2-Dichloroethane-d4
 Concen: 5.570 ug/l
 RT: 7.76 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8

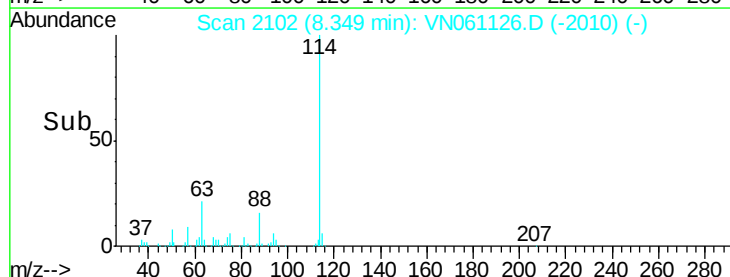
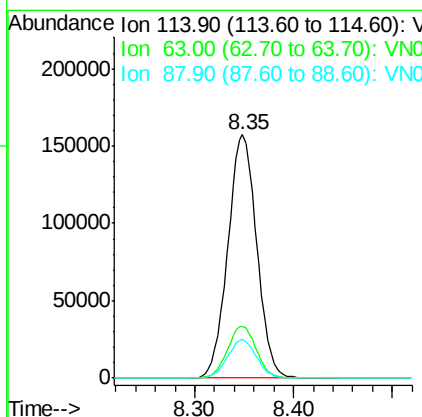
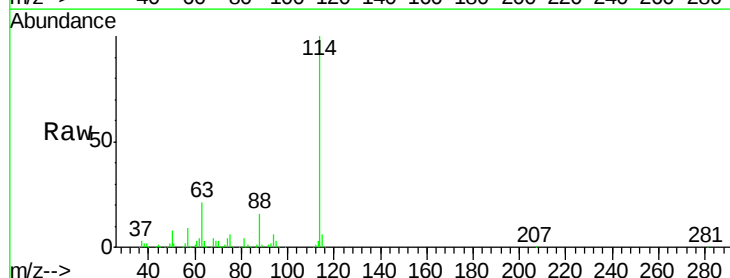
Manual Integrations
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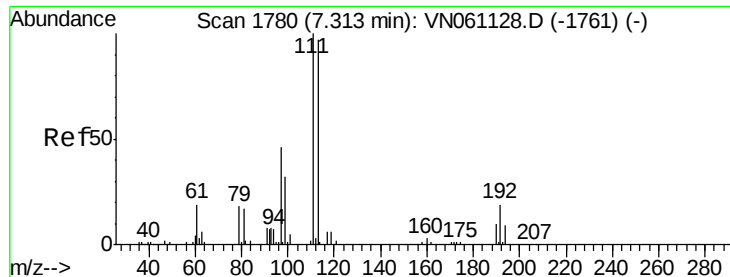
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2102
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	15.7	0.0	32.4





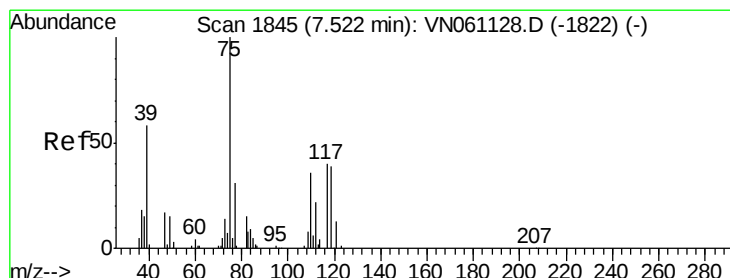
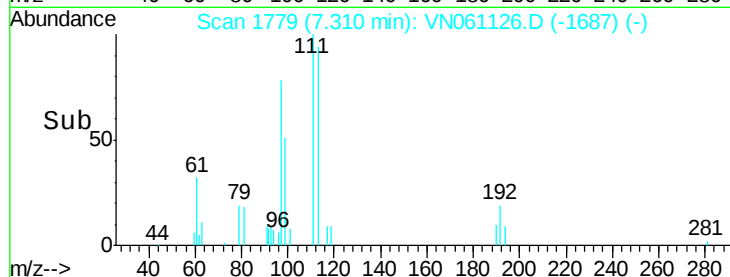
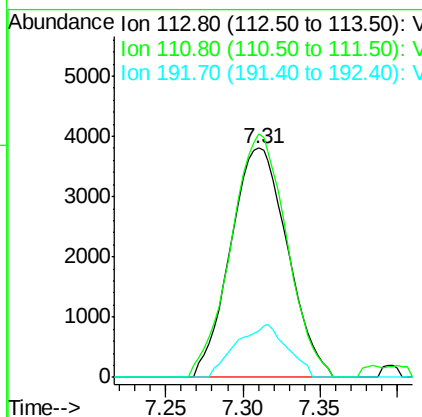
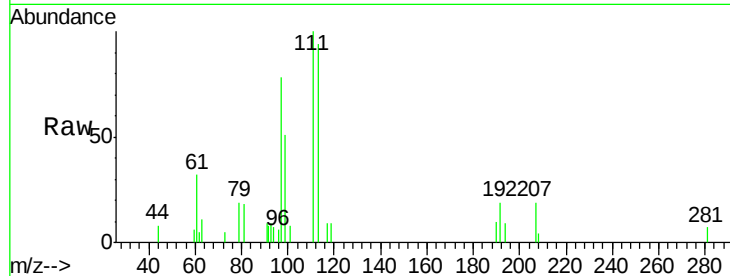
#35
 Dibromofluoromethane
 Concen: 5.198 ug/l
 RT: 7.31 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.6
192	20.6	15.8	23.6

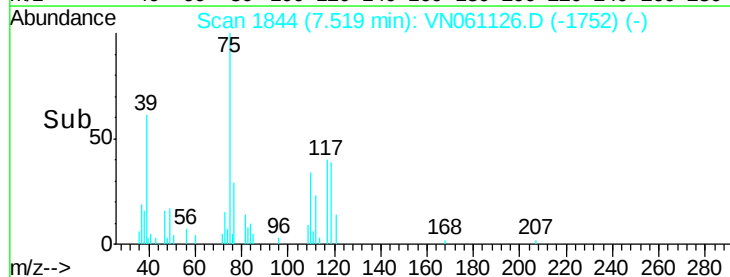
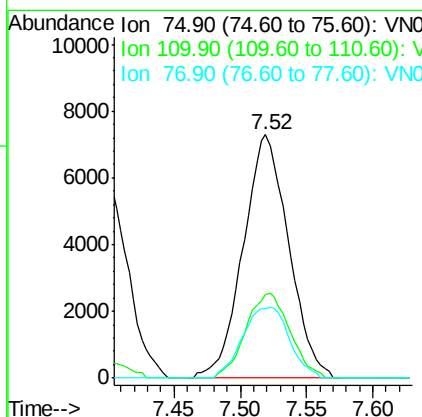
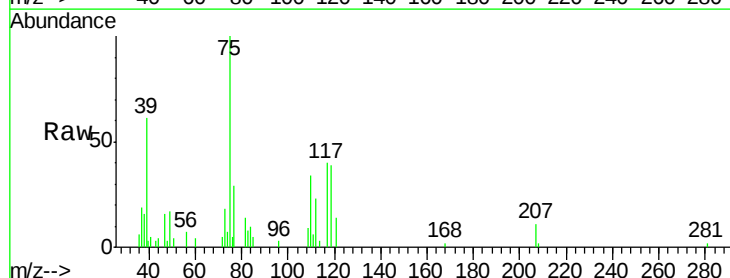
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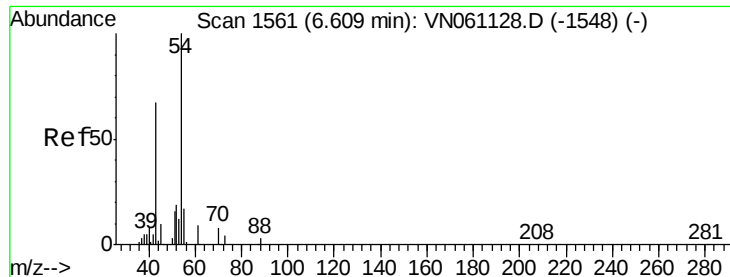
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 5.302 ug/l
 RT: 7.52 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.7	53.1
77	29.9	24.8	37.2





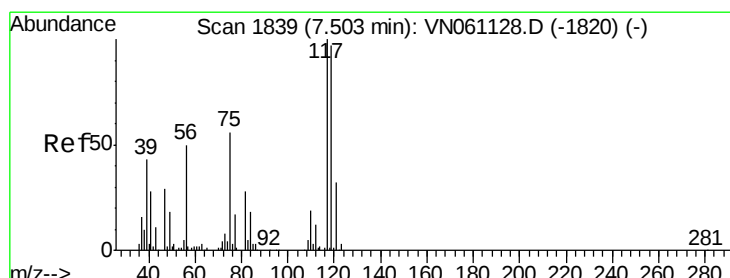
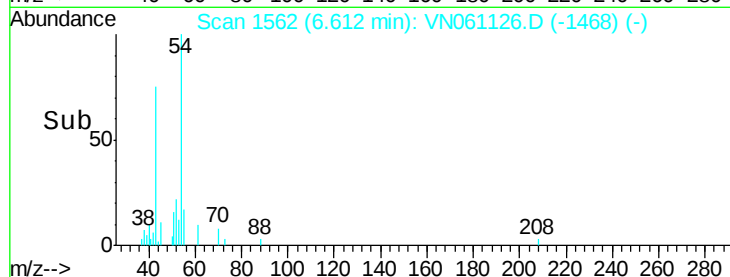
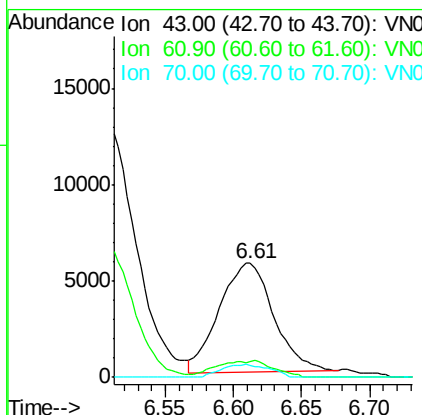
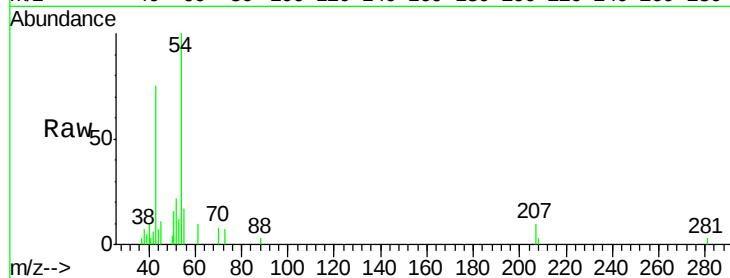
#37
Ethyl Acetate
Concen: 4.431 ug/l
RT: 6.61 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.4	17.0
70	10.7	8.2	12.4

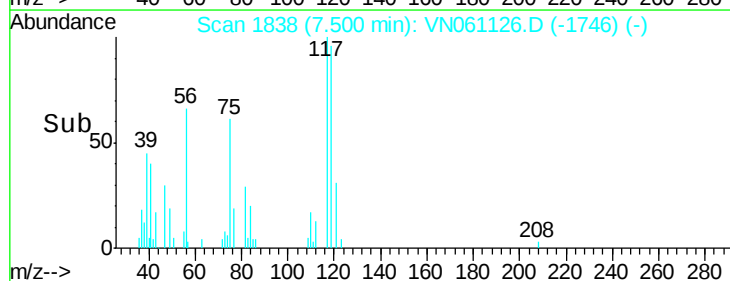
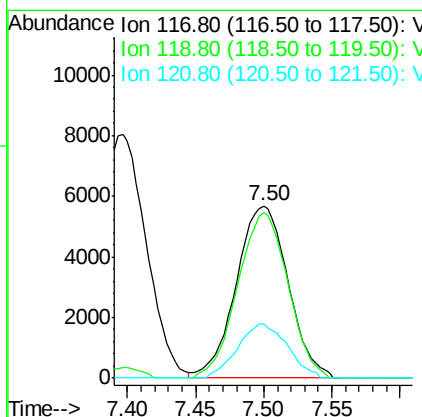
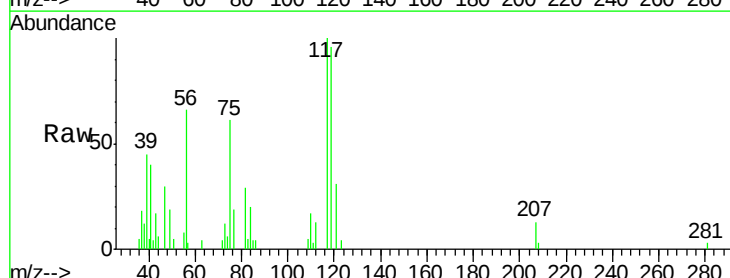
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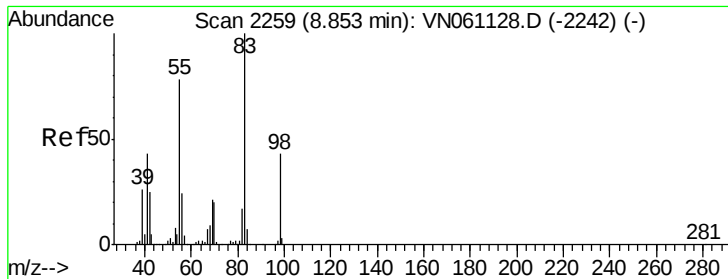
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 7.50 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
121	31.2	25.0	37.6





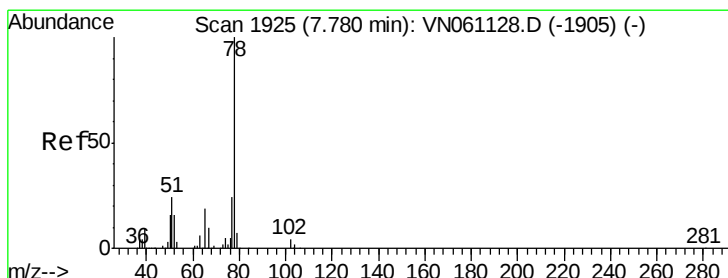
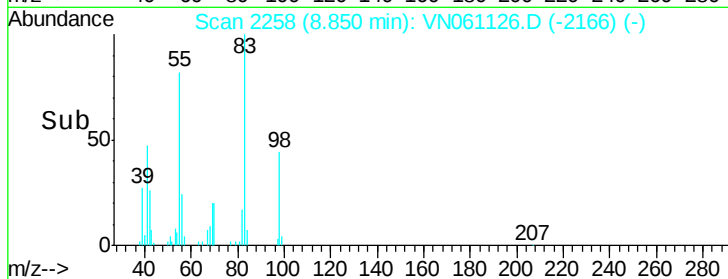
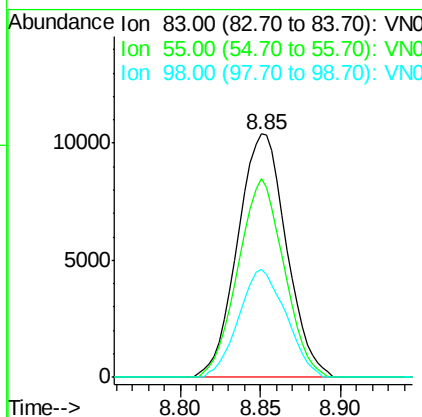
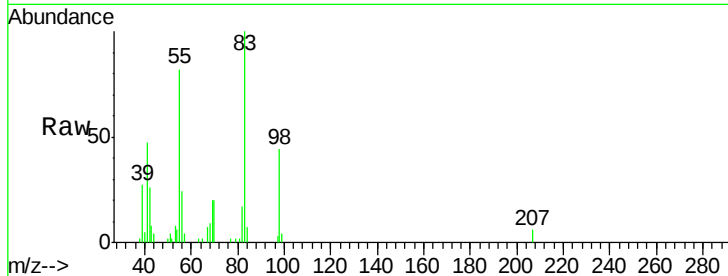
#39
Methvlcvclohexane
Concen: 5.503 ug/l
RT: 8.85 min Scan# 2258
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	62.2	93.4
98	44.4	34.7	52.1

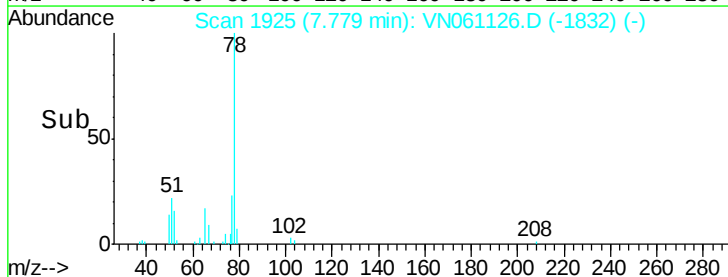
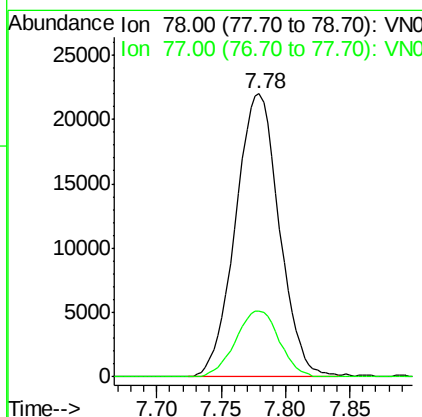
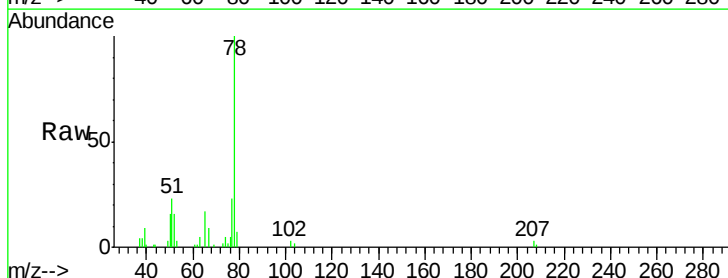
Manual Integrations
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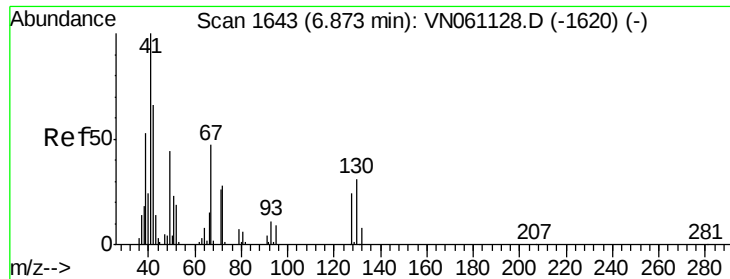
MMDadoda
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#40
Benzene
Concen: 5.333 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





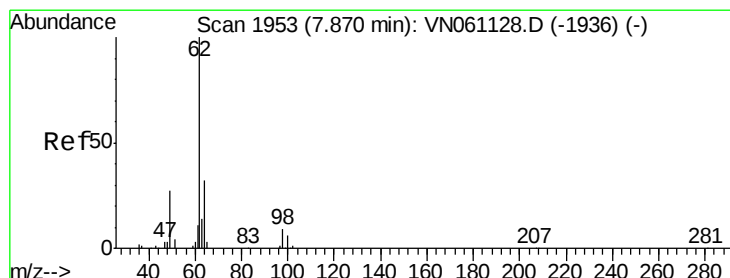
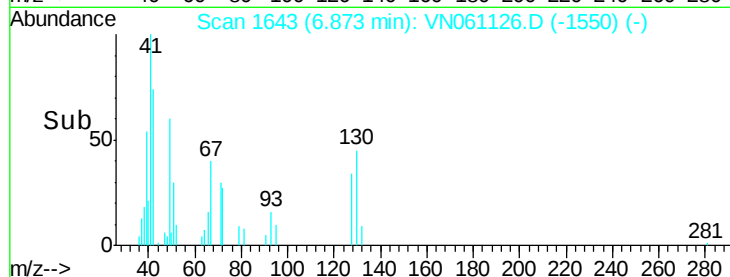
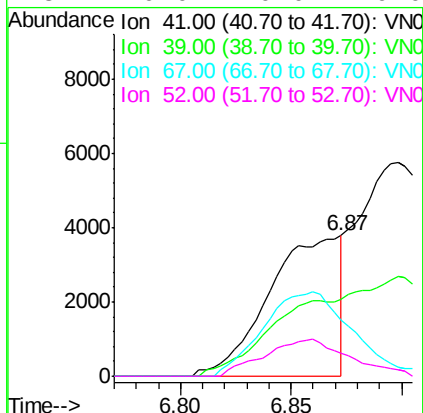
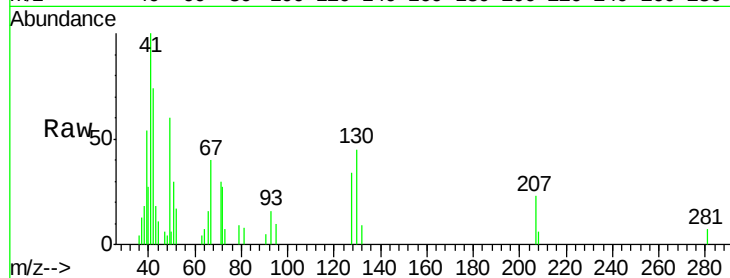
#41
Methacrylonitrile
Concen: 5.702 ug/l m
RT: 6.87 min Scan# 1643
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	119.4	179.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

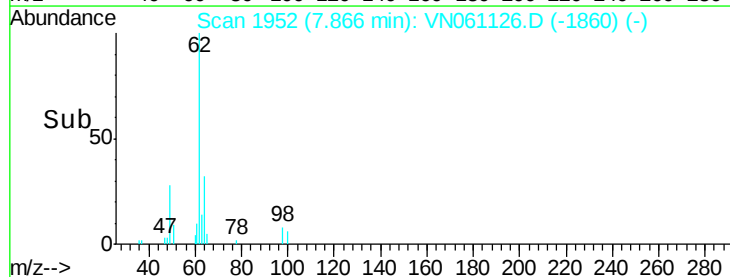
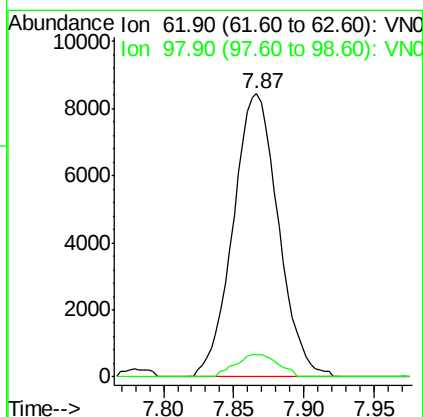
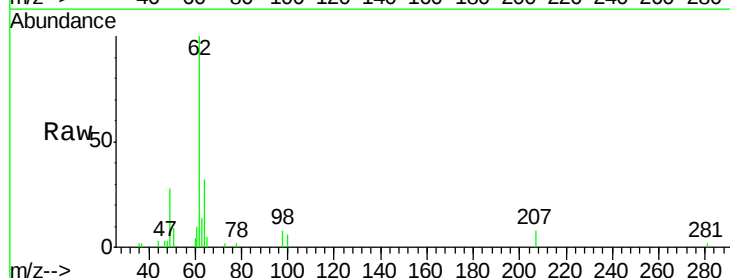
Manual Integrations
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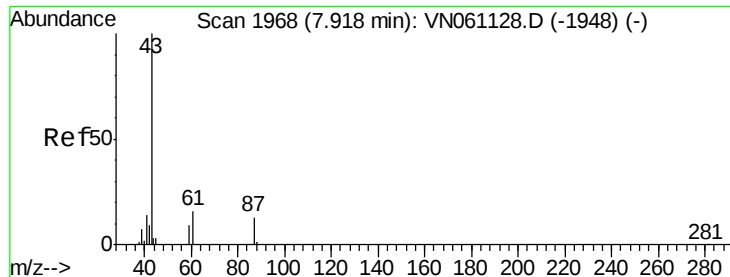
MMDadoda
4/24/2020 1:34:54 PM



#42
1,2-Dichloroethane
Concen: 5.686 ug/l
RT: 7.87 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 5.035 ug/l

RT: 7.91 min Scan# 1967

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

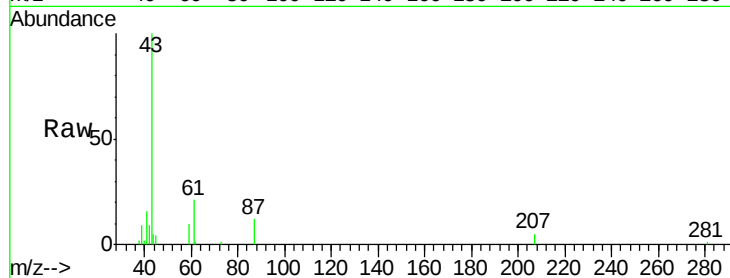
ClientSampleId :

VSTDIC005

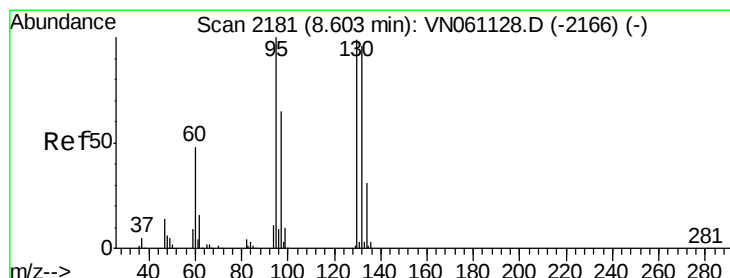
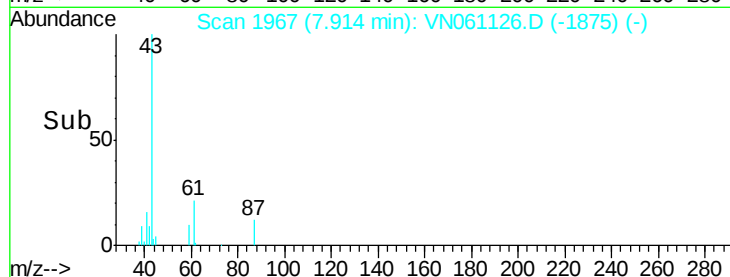
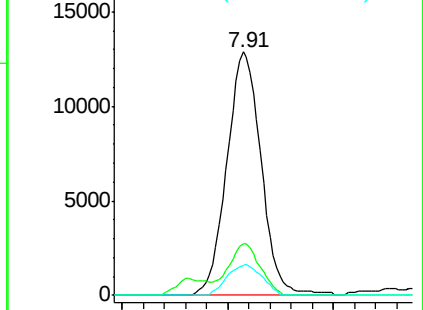
Tot Ion:	43	Resp:	29069
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	12.7	10.2	15.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-1948) (-)



#44

Trichloroethene

Concen: 6.101 ug/l

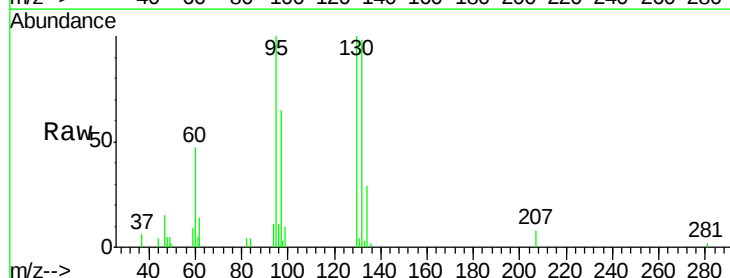
RT: 8.60 min Scan# 2181

Delta R.T. -0.00 min

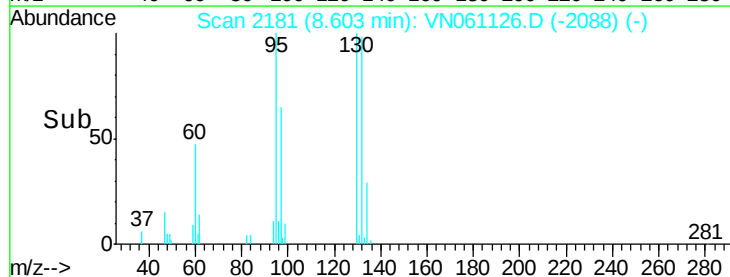
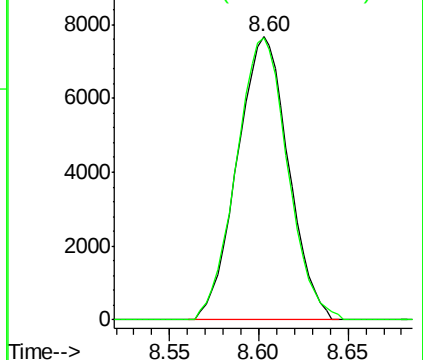
Lab File: VN061126.D

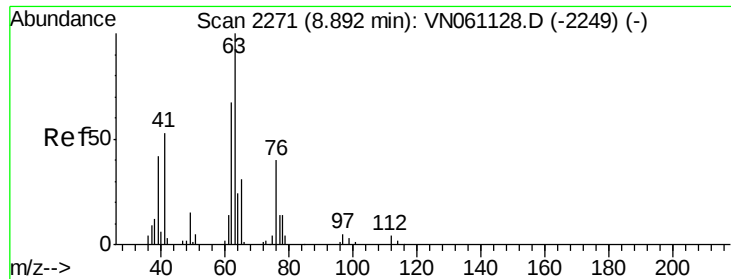
Acq: 22 Apr 2020 13:36

Tgt Ion:	130	Resp:	15333
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	202.6



Abundance Ion 129.80 (129.50 to 130.50): VN061128.D (-2166) (-)





#45

1,2-Dichloropropane

Concen: 5.193 ug/l

RT: 8.89 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 13635

Ion Ratio Lower Upper

63 100

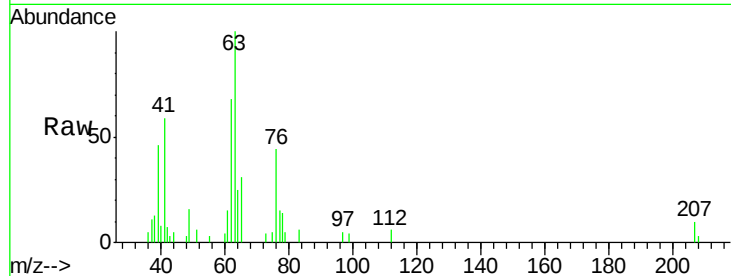
65 30.8 24.7 37.1

Manual Integrations

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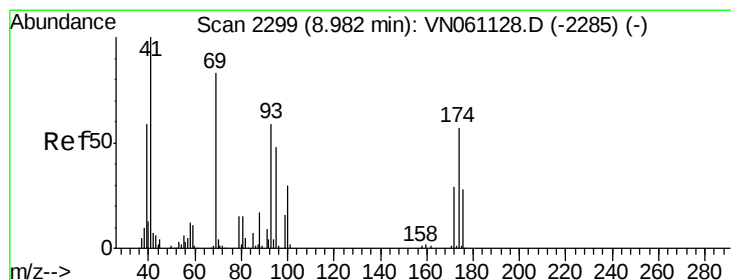
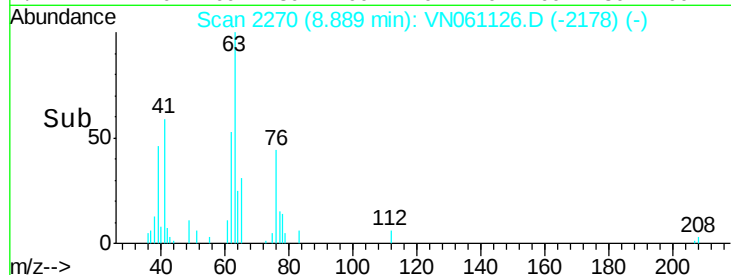
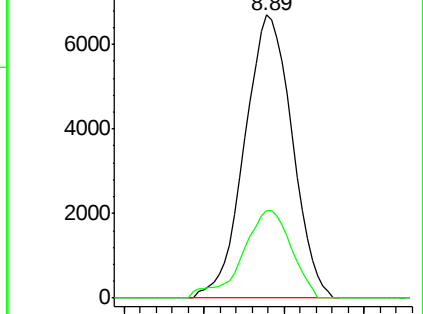
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Abundance Ion 62.90 (62.60 to 63.60): VN061126.D (-2178) (-)

Ion 64.90 (64.60 to 65.60): VN061126.D (-2178) (-)



#46

Dibromomethane

Concen: 5.492 ug/l

RT: 8.98 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

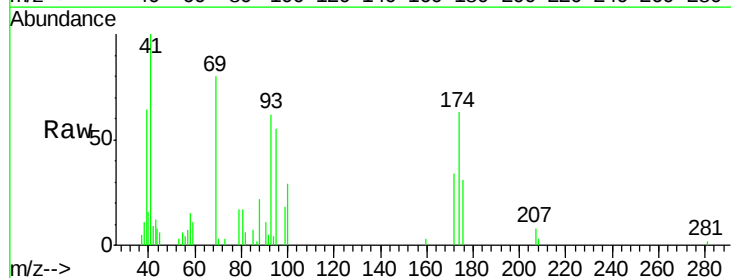
Tgt Ion: 93 Resp: 8453

Ion Ratio Lower Upper

93 100

95 86.4 65.0 97.4

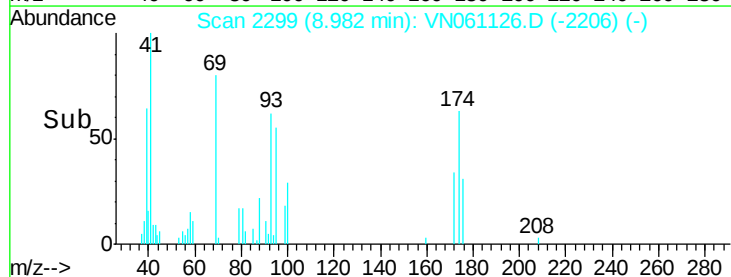
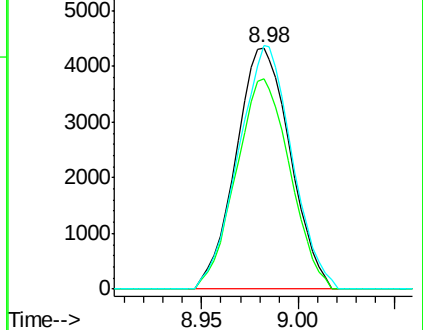
174 99.7 77.8 116.6

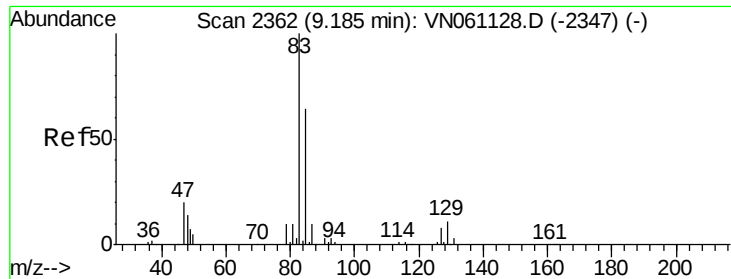


Abundance Ion 92.80 (92.50 to 93.50): VN061126.D (-2206) (-)

Ion 94.80 (94.50 to 95.50): VN061126.D (-2206) (-)

Ion 173.70 (173.40 to 174.40): VN061126.D (-2206) (-)





#47

Bromodichloromethane

Concen: 5.262 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

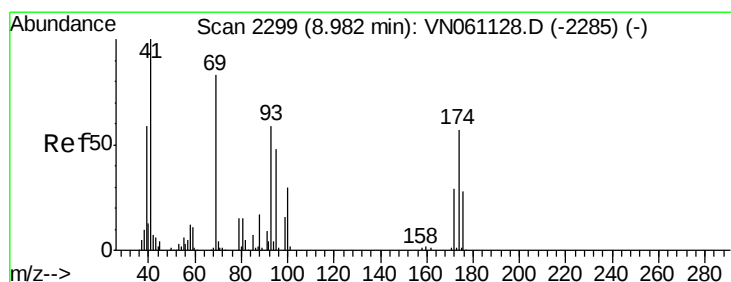
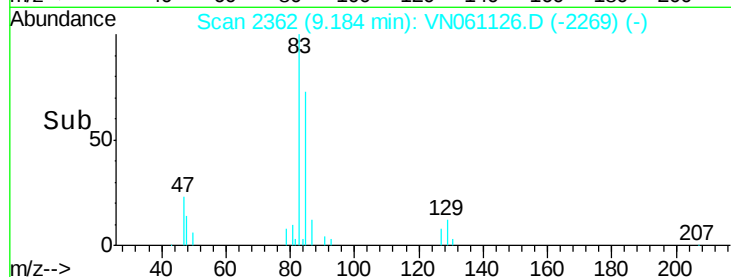
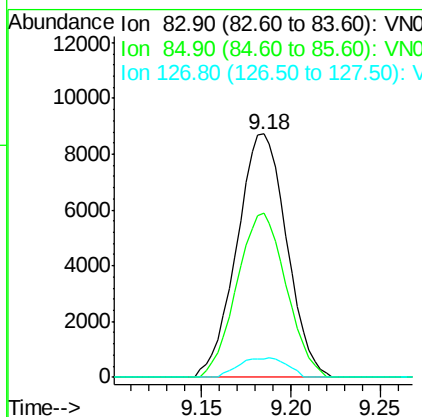
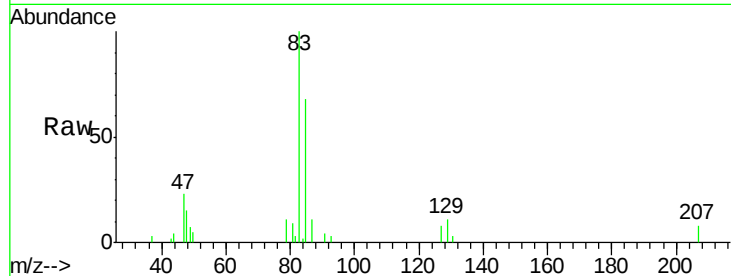
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16965
Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.4	77.2
127	7.7	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.178 ug/l

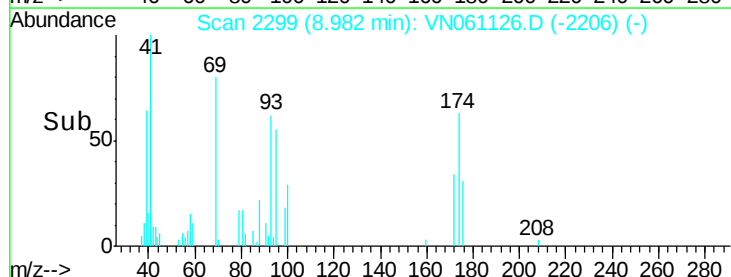
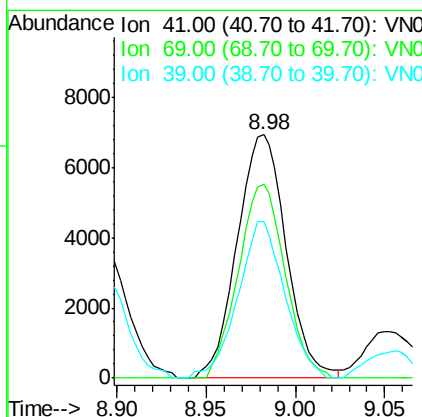
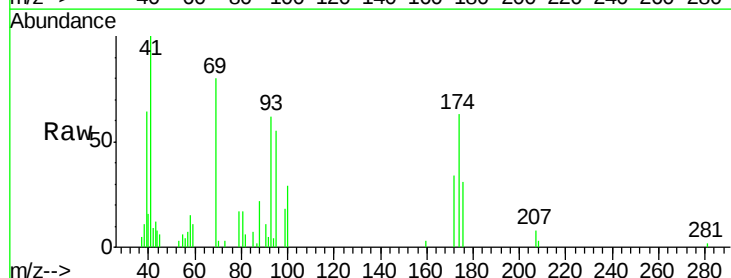
RT: 8.98 min Scan# 2299

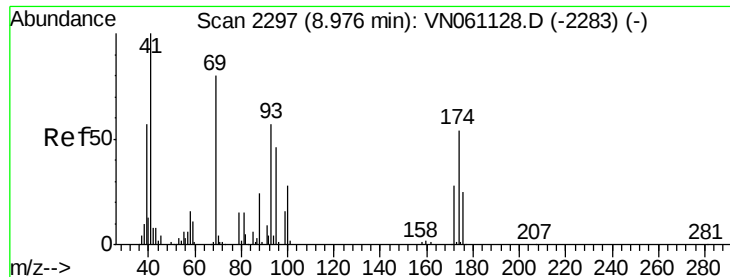
Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Tgt Ion:	41	Resp:	13308
Ion	Ratio	Lower	Upper
41	100		
69	76.2	65.4	98.2
39	61.6	47.8	71.6





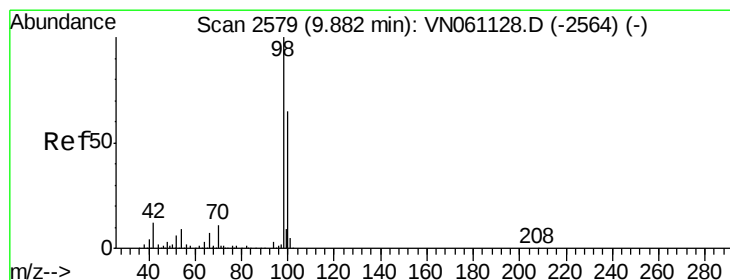
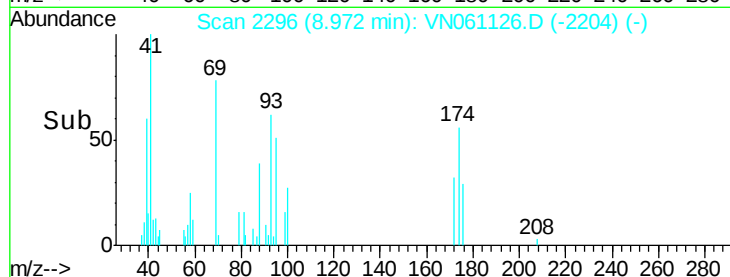
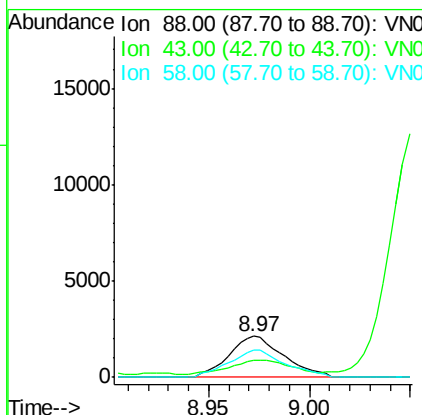
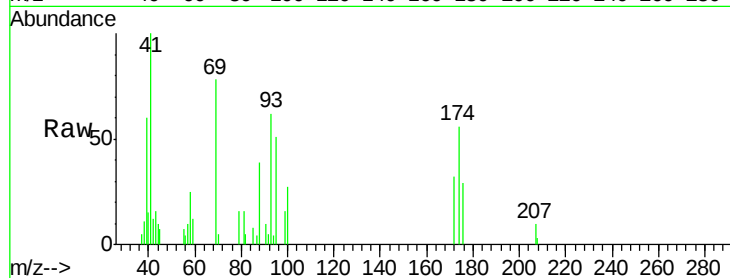
#49
1,4-Dioxane
Concen: 128.696 ug/l
RT: 8.97 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.0	43.4
58	68.6	57.8	86.6

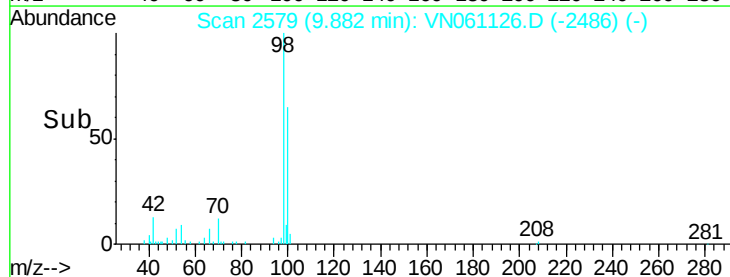
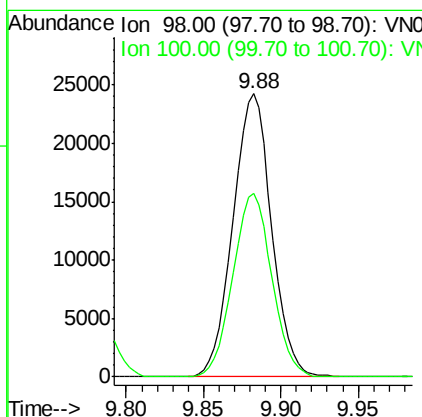
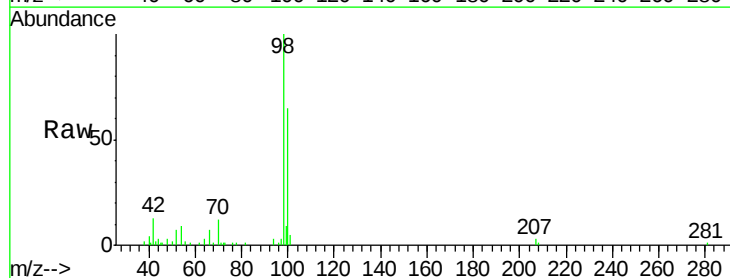
Manual Integrations
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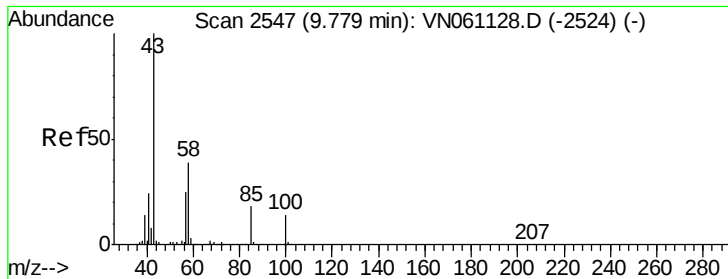
MMDadoda
4/24/2020 1:34:54 PM



#50
Toluene-d8
Concen: 5.755 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 24.740 ug/l

RT: 9.78 min Scan# 2546

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 82596

Ion Ratio Lower Upper

43 100

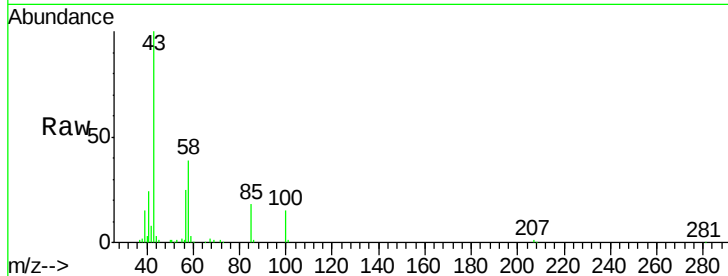
58 38.7 31.0 46.6

Manual Integrations

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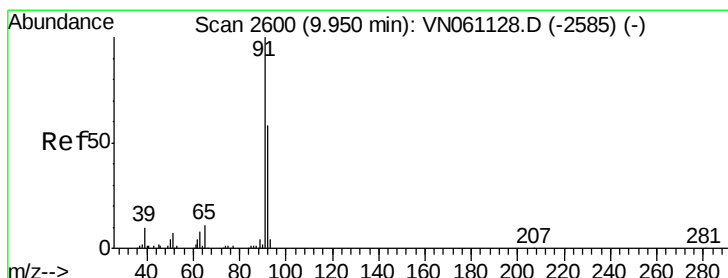
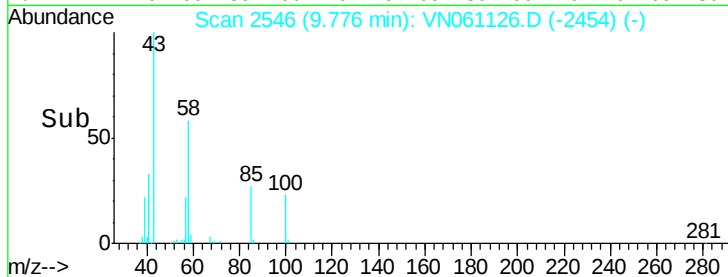
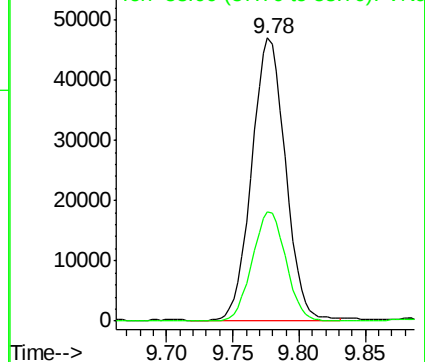
MMDadoda

4/24/2020 1:34:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.509 ug/l

RT: 9.95 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VN061126.D

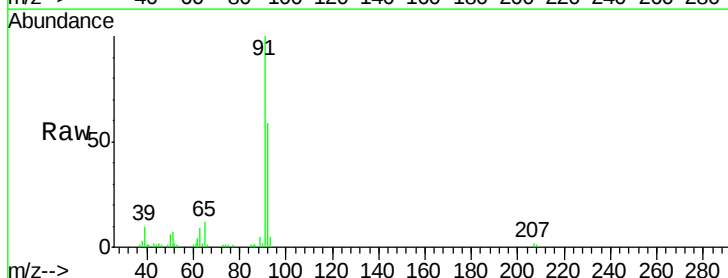
Acq: 22 Apr 2020 13:36

Tgt Ion: 92 Resp: 32429

Ion Ratio Lower Upper

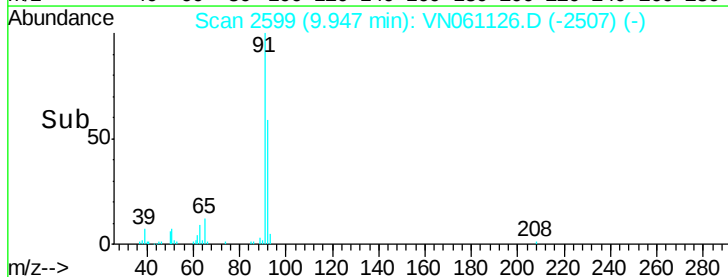
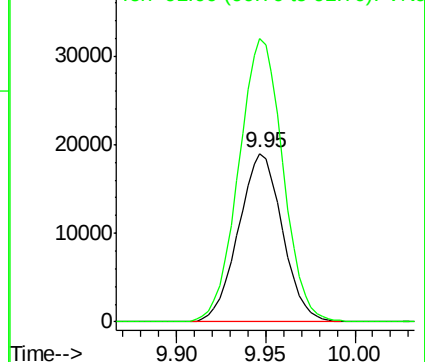
92 100

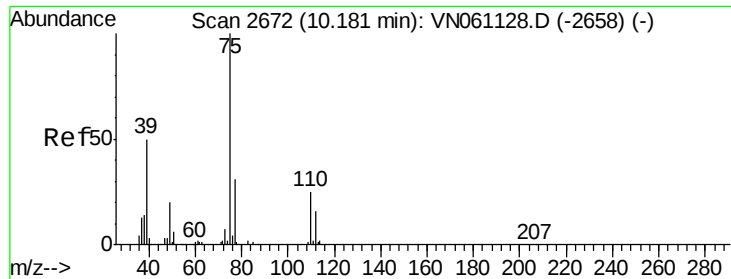
91 169.8 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





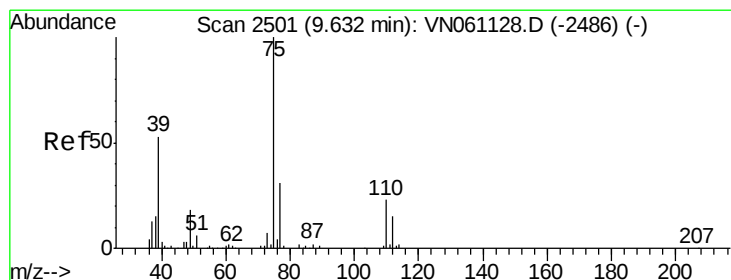
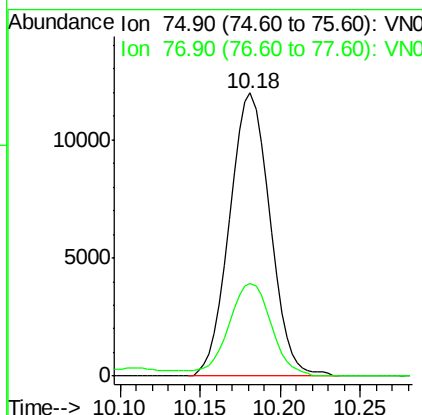
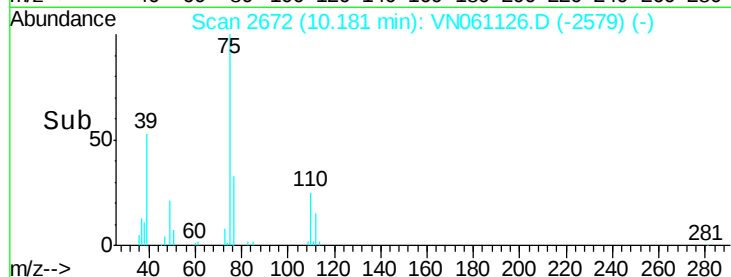
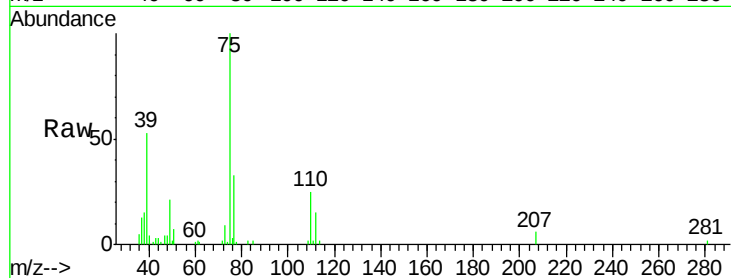
#53
t-1,3-Dichloropropene
Concen: 5.518 ug/l
RT: 10.18 min Scan# 2672
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7

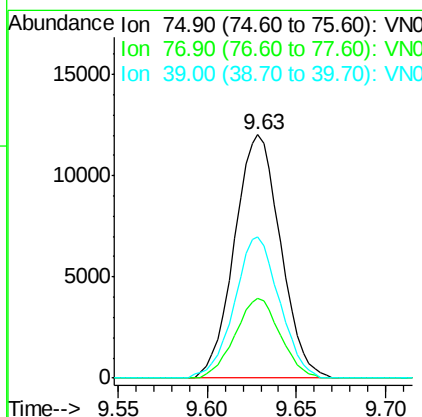
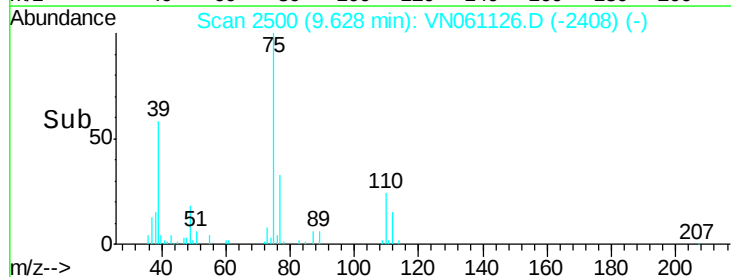
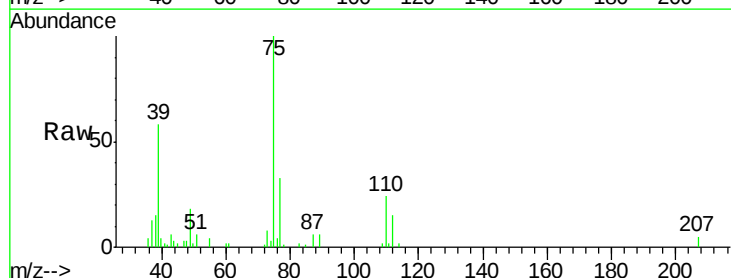
Manual Integrations
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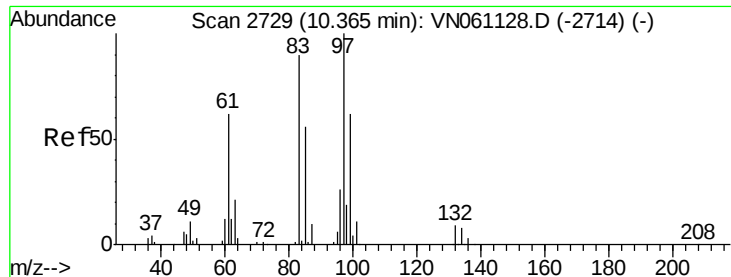
MMDadoda
4/24/2020 1:34:54 PM



#54
cis-1,3-Dichloropropene
Concen: 5.323 ug/l
RT: 9.63 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.2	37.8
39	58.1	42.1	63.1





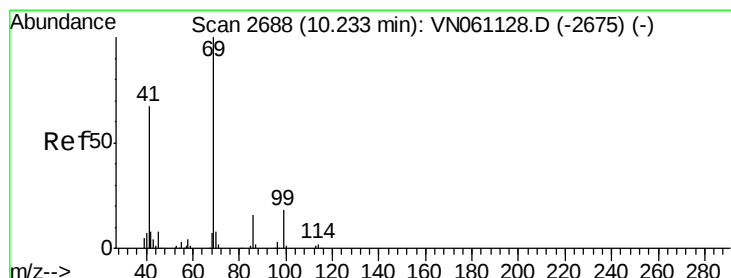
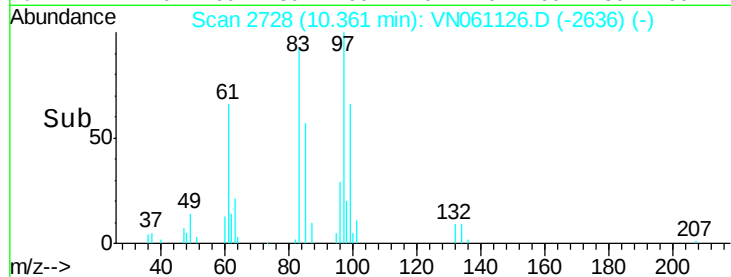
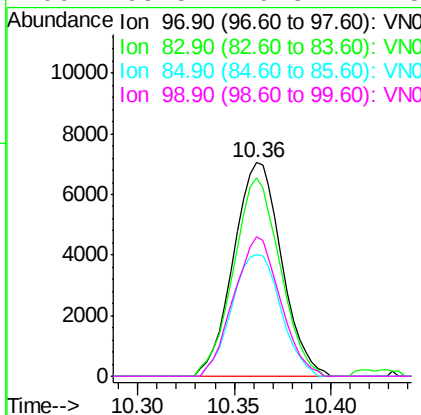
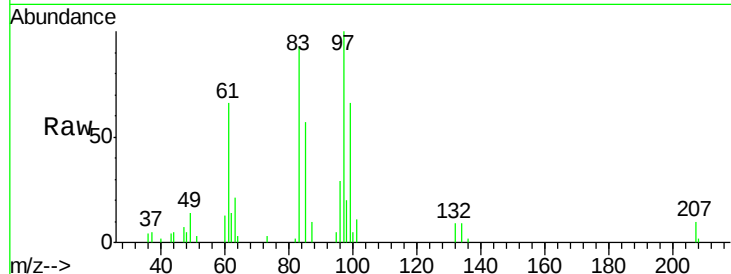
#55
 1,1,2-Trichloroethane
 Concen: 5.470 ug/l
 RT: 10.36 min Scan# 2728
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12210
Ion	Ratio	Lower	Upper
97	100		
83	93.0	71.8	107.6
85	57.2	45.0	67.6
99	65.5	49.8	74.8

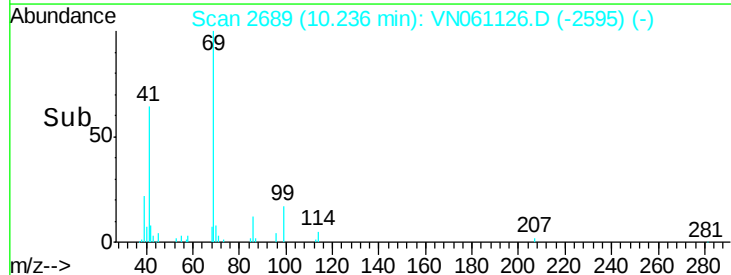
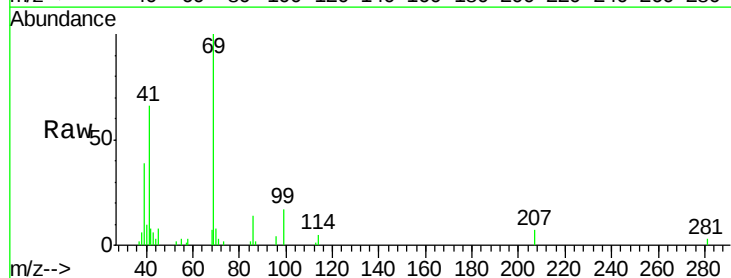
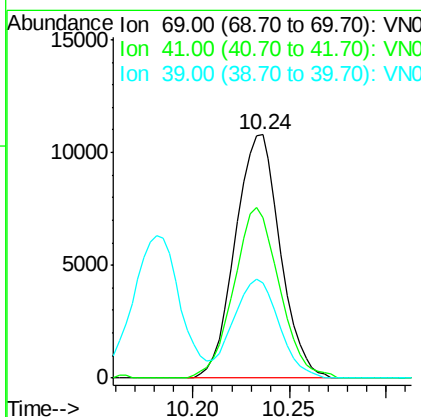
Manual Integrations
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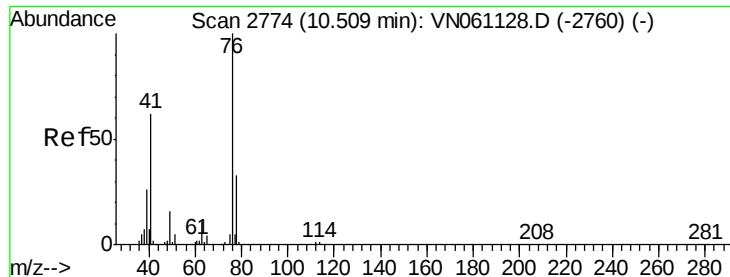
MMDadoda
 4/24/2020 1:34:54 PM



#56
 Ethyl methacrylate
 Concen: 4.990 ug/l
 RT: 10.24 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion:	69	Resp:	17417
Ion	Ratio	Lower	Upper
69	100		
41	71.2	54.0	81.0
39	42.1	31.4	47.0





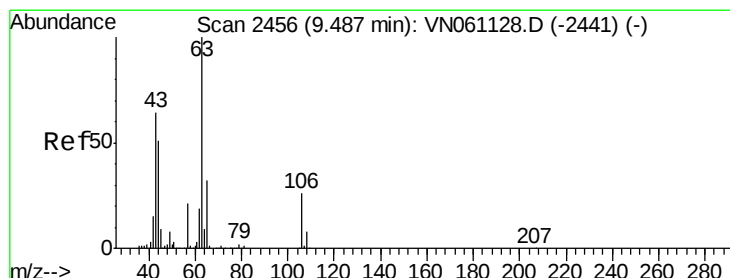
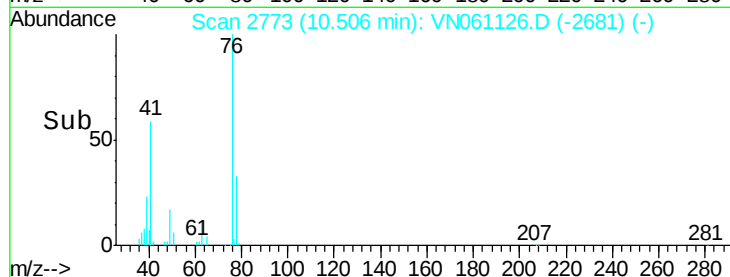
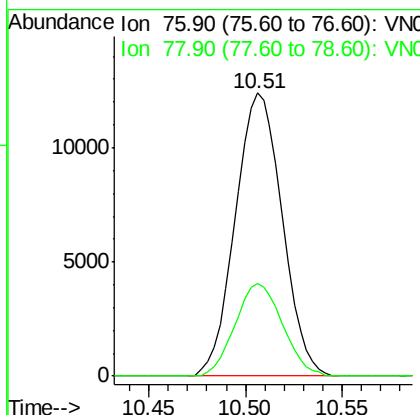
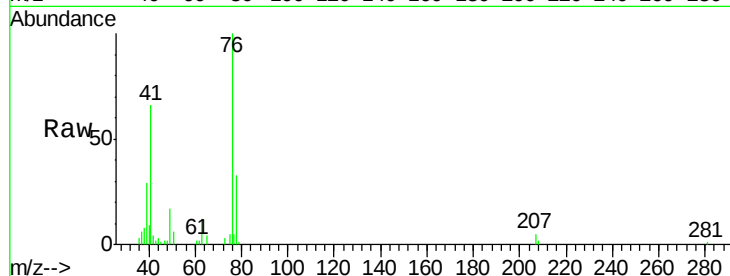
#57
 1,3-Dichloropropane
 Concen: 5.284 ug/l
 RT: 10.51 min Scan# 2773
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 20902
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1

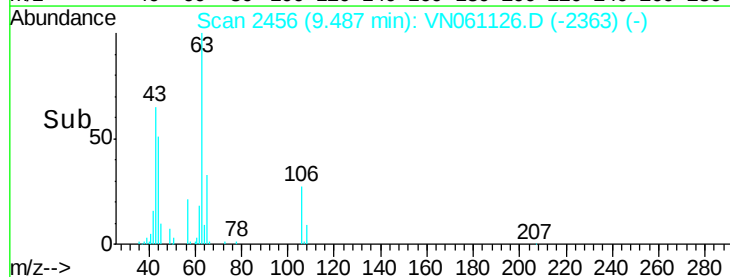
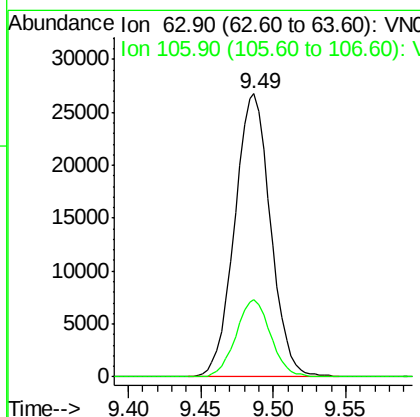
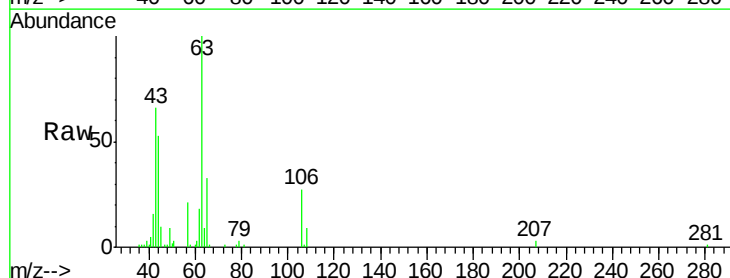
Manual Integrations
 APPROVED

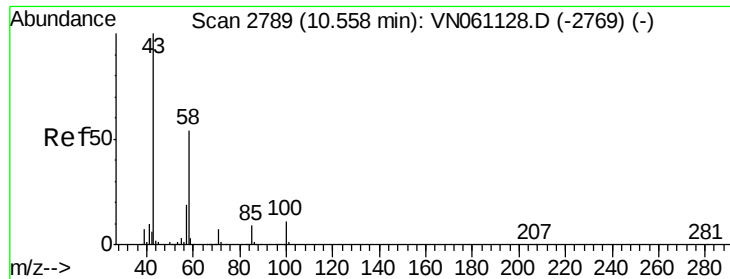
MMDadoda
 4/24/2020 1:34:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.753 ug/l
 RT: 9.49 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion: 63 Resp: 45981
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.3 31.9





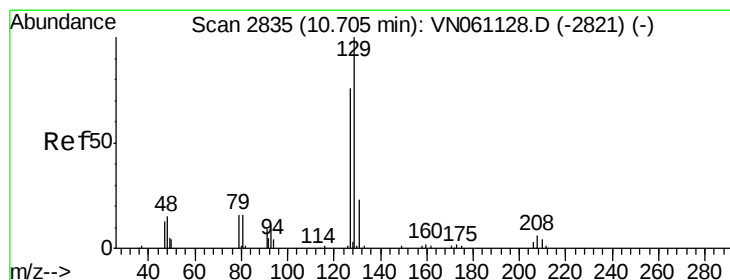
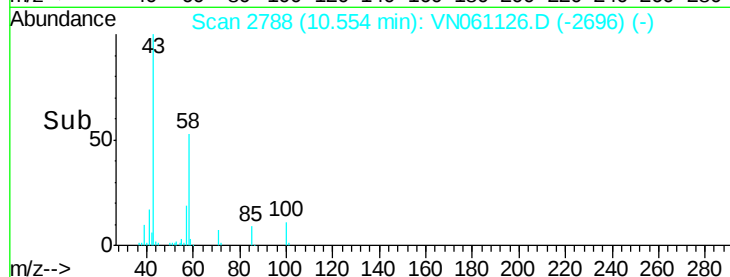
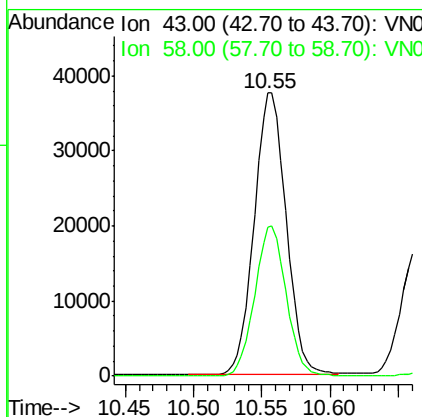
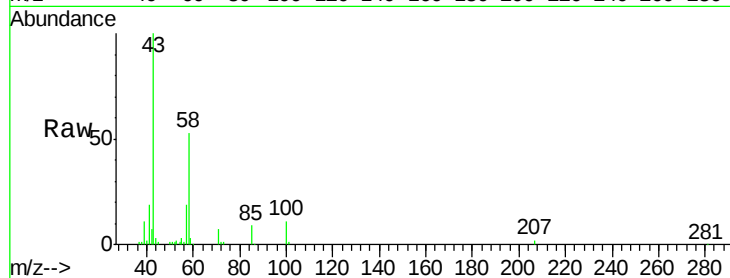
#59
2-Hexanone
Concen: 25.297 ug/l
RT: 10.55 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 61073
Ion Ratio Lower Upper
43 100
58 52.4 26.9 80.6

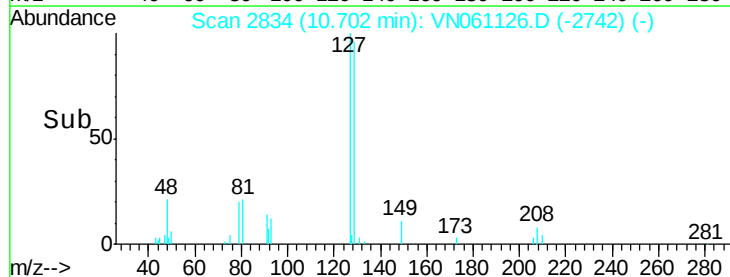
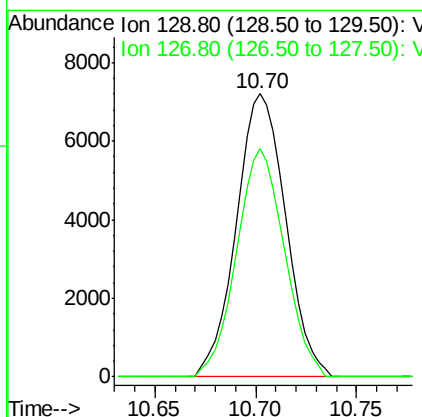
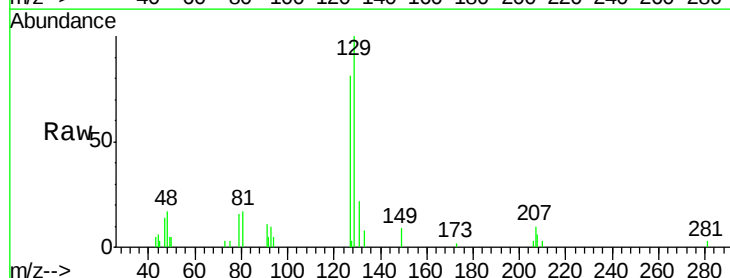
Manual Integrations
APPROVED

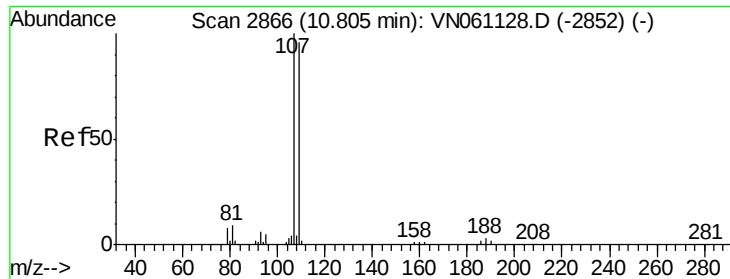
MMDadoda
4/24/2020 1:34:54 PM



#60
Dibromochloromethane
Concen: 5.359 ug/l
RT: 10.70 min Scan# 2834
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion: 129 Resp: 12343
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2





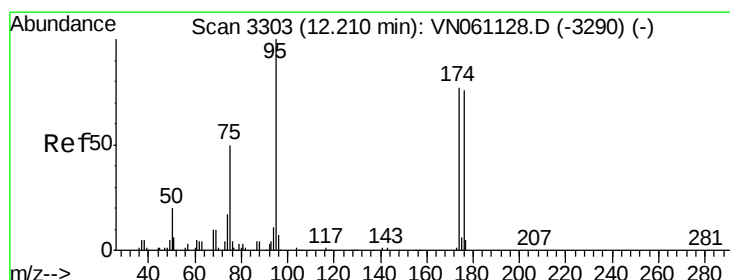
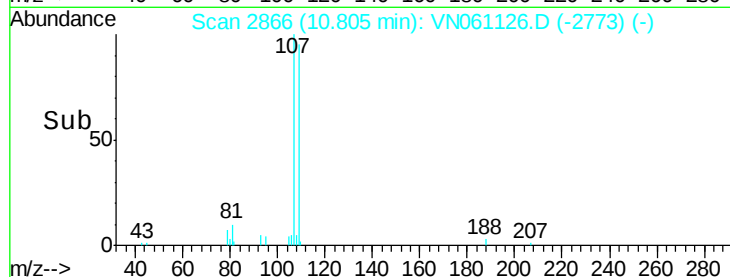
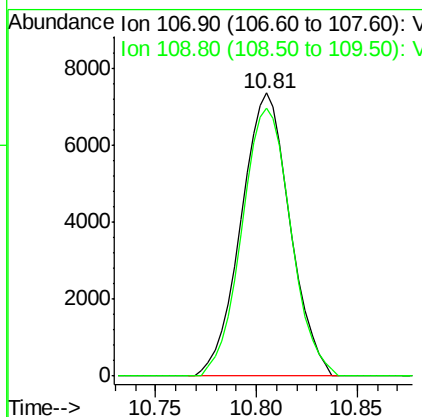
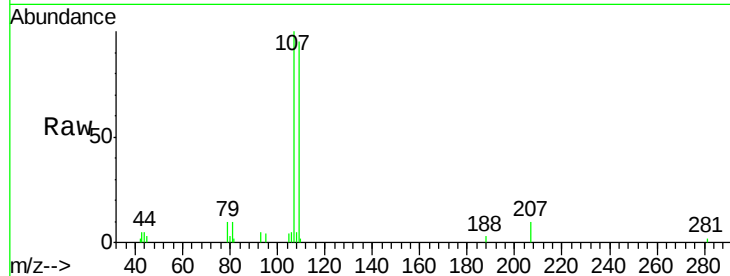
#61
 1,2-Dibromoethane
 Concen: 5.454 ug/l
 RT: 10.81 min Scan# 2866
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 12479
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.0 114.0

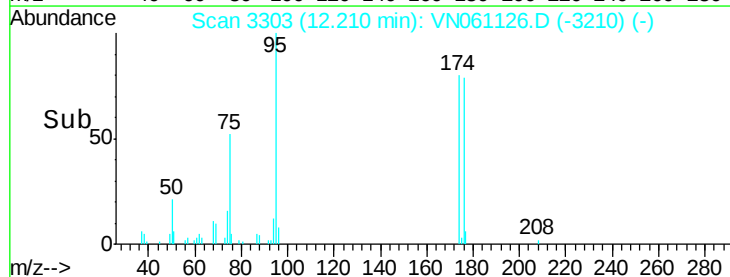
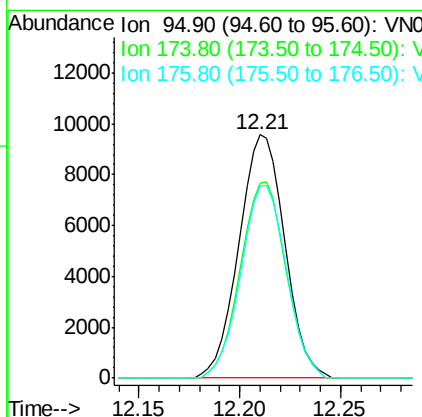
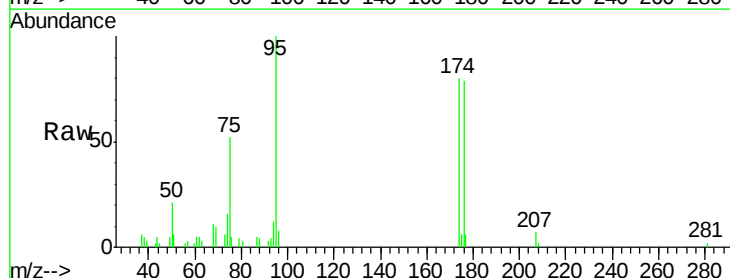
Manual Integrations
 APPROVED

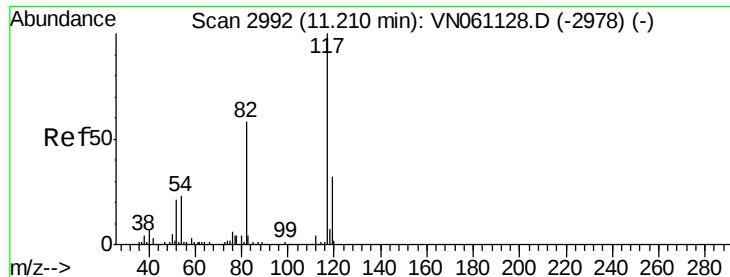
MMDadoda
 4/24/2020 1:34:54 PM



#62
 4-Bromofluorobenzene
 Concen: 5.387 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion: 95 Resp: 15220
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 157.6
 176 78.9 0.0 154.4





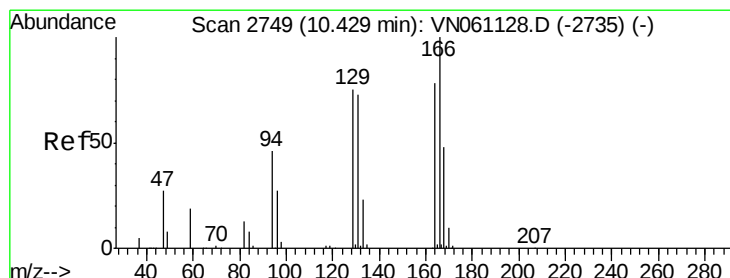
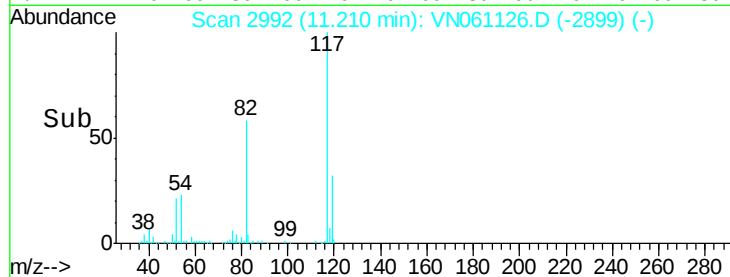
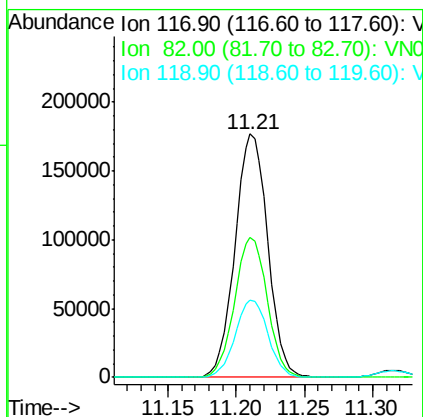
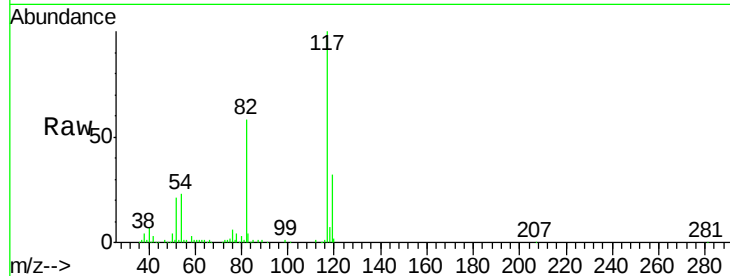
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.0	69.0
119	31.9	25.9	38.9

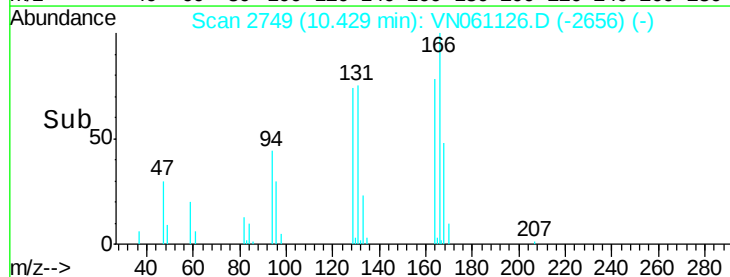
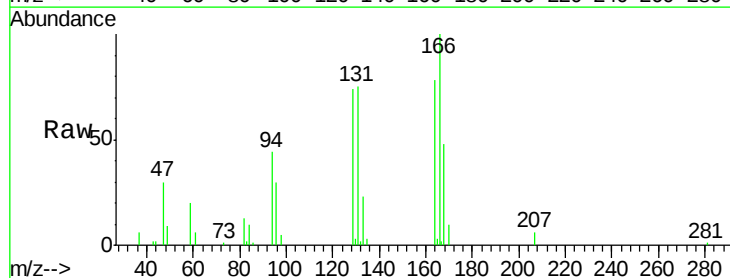
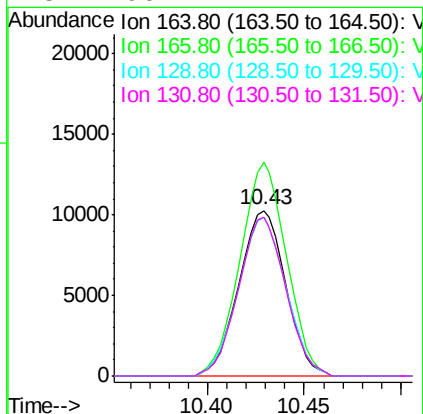
Manual Integrations
APPROVED

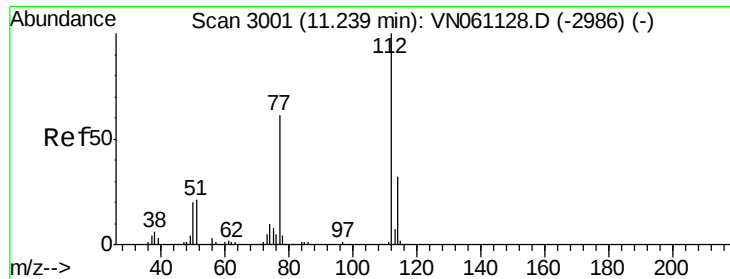
MMDadoda
4/24/2020 1:34:54 PM



#64
Tetrachloroethene
Concen: 7.291 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.9	152.9
129	95.8	76.5	114.7
131	96.1	74.2	111.4





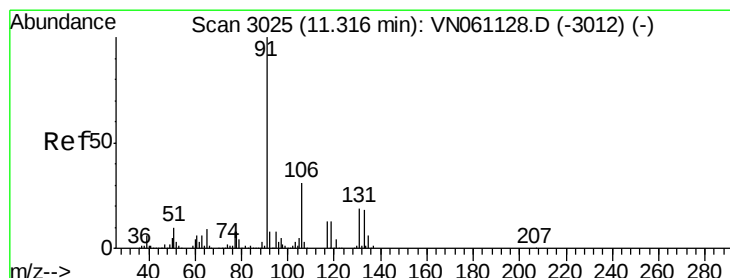
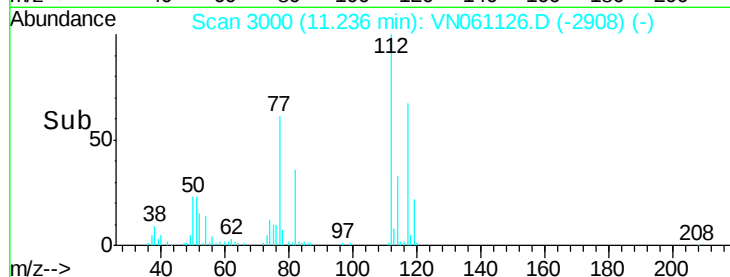
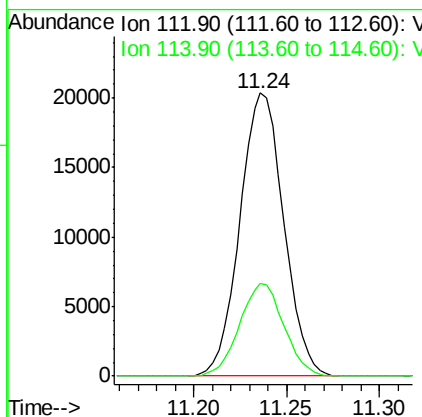
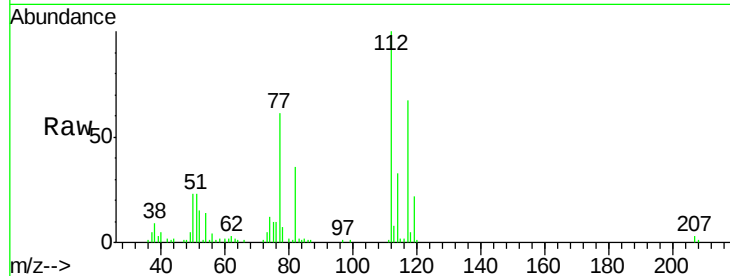
#65
Chlorobenzene
Concen: 5.484 ug/l
RT: 11.24 min Scan# 3000
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 33362
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5

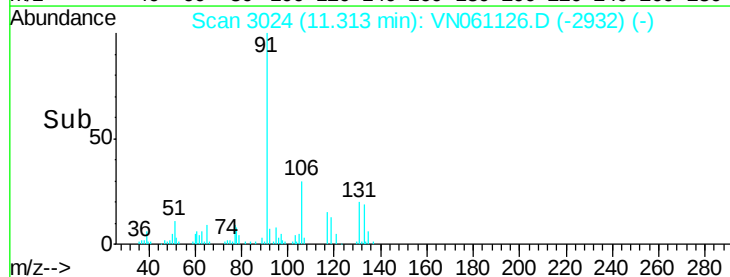
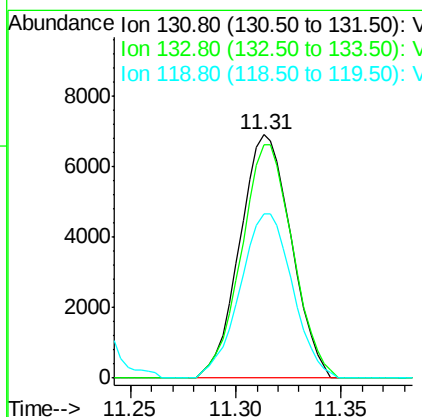
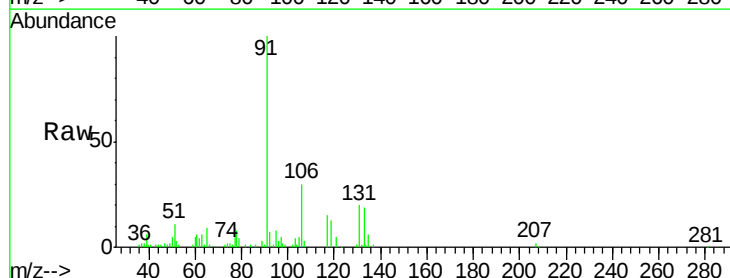
Manual Integrations
APPROVED

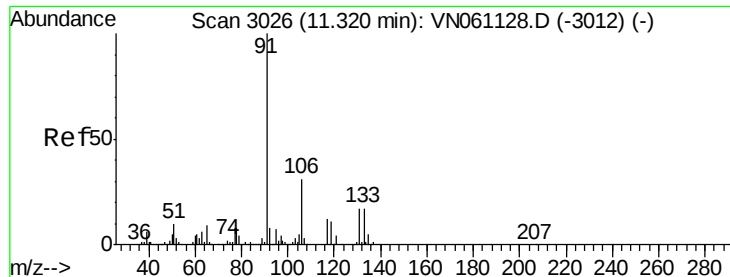
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.366 ug/l
RT: 11.31 min Scan# 3024
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion:131 Resp: 11699
Ion Ratio Lower Upper
131 100
133 95.7 48.2 144.6
119 69.0 33.1 99.5





#67

Ethyl Benzene

Concen: 5.447 ug/l

RT: 11.32 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 62196

Ion Ratio Lower Upper

91 100

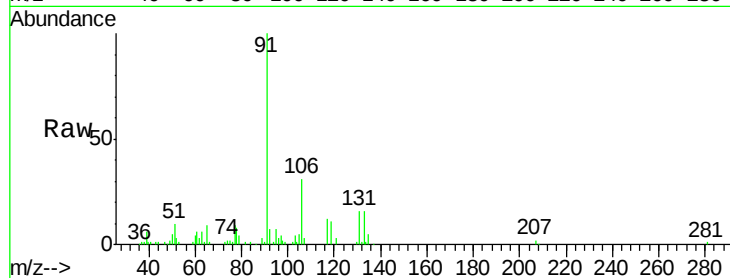
106 30.6 24.7 37.1

Manual Integrations

APPROVED

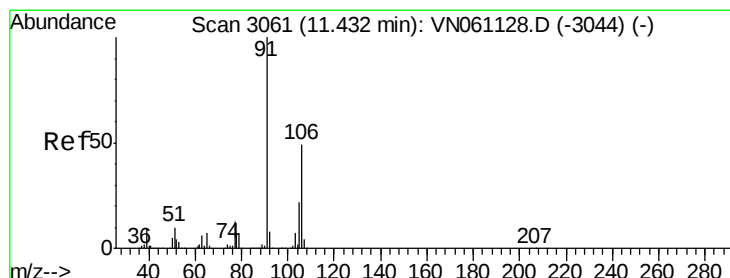
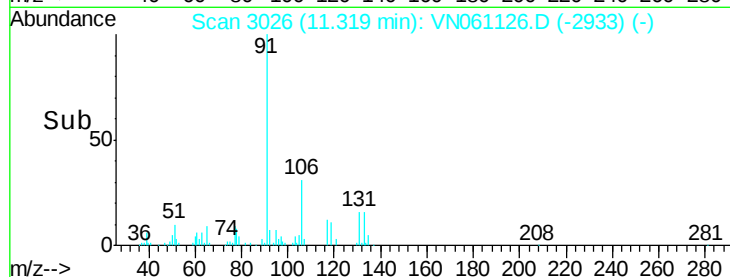
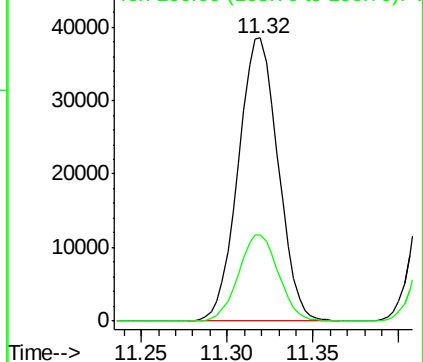
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 11.225 ug/l

RT: 11.43 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN061126.D

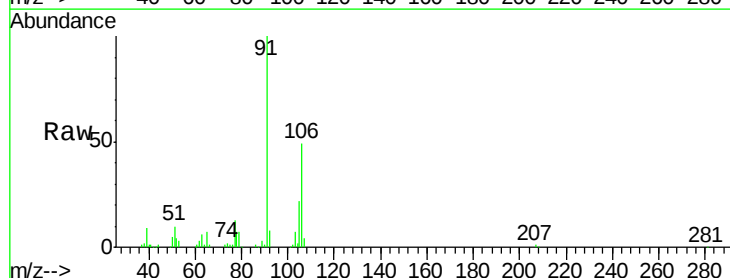
Acq: 22 Apr 2020 13:36

Tgt Ion: 106 Resp: 46610

Ion Ratio Lower Upper

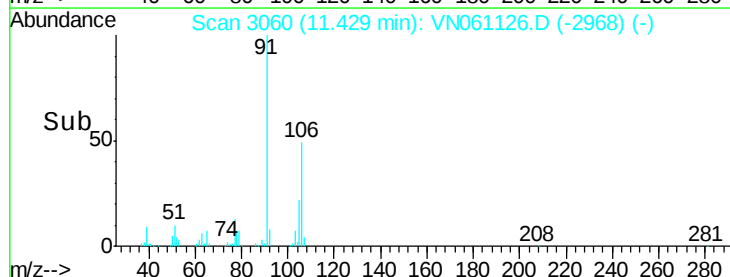
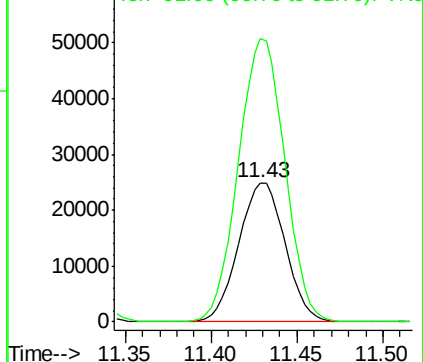
106 100

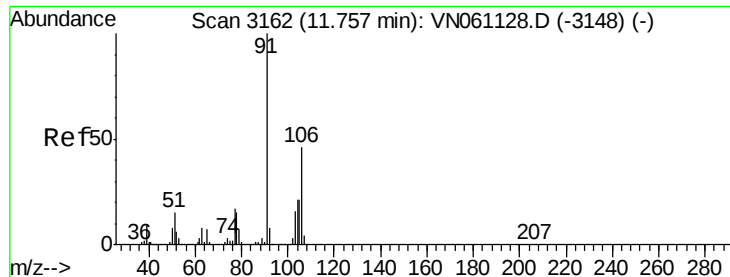
91 204.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





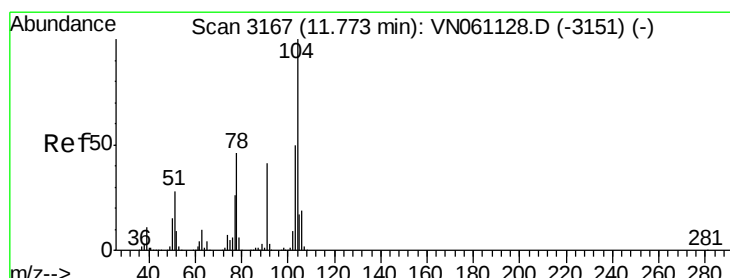
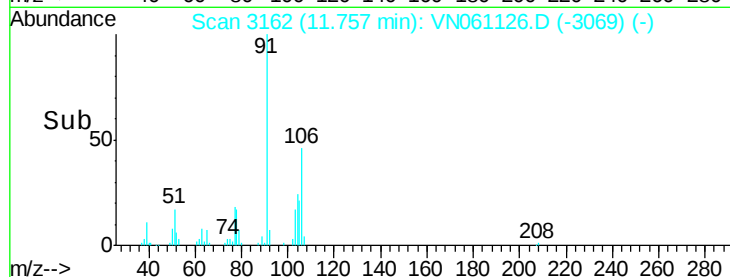
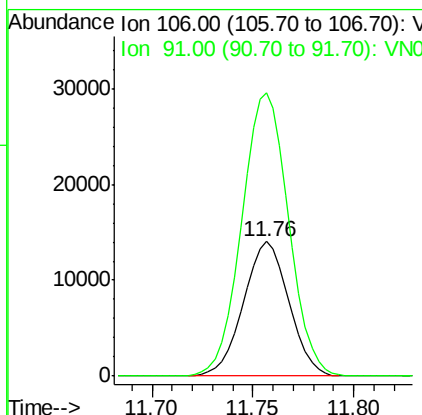
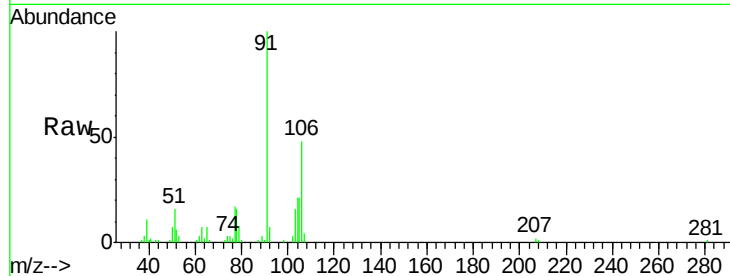
#69
o-Xylene
Concen: 5.536 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 22102
Ion Ratio Lower Upper
106 100
91 216.7 107.6 322.8

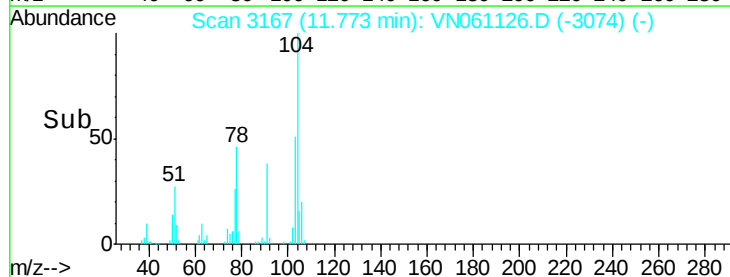
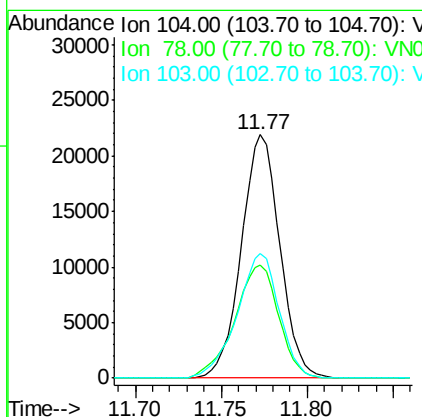
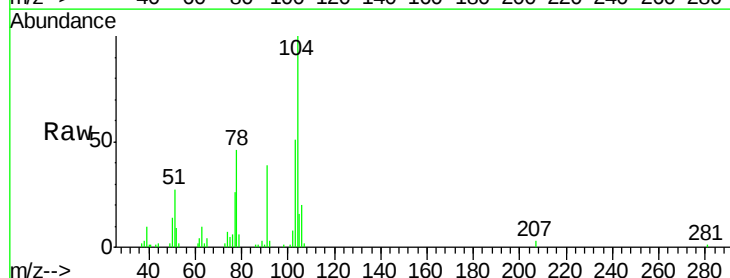
Manual Integrations
APPROVED

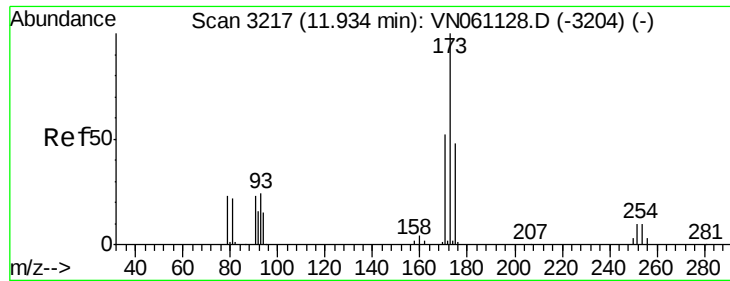
MMDadoda
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#70
Styrene
Concen: 5.302 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion:104 Resp: 34073
Ion Ratio Lower Upper
104 100
78 53.1 40.6 61.0
103 56.0 43.7 65.5





#71

Bromoform

Concen: 4.956 ug/l

RT: 11.93 min Scan# 3217

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 8059

Ion Ratio Lower Upper

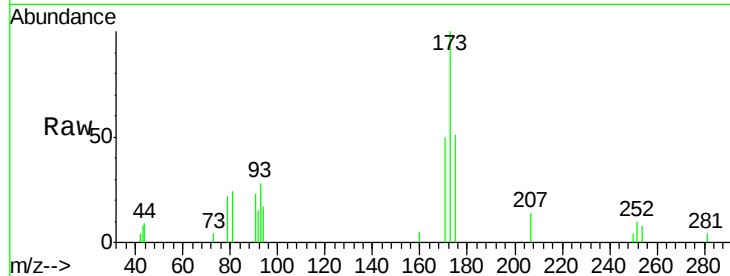
173 100

175 49.3 23.9 71.8

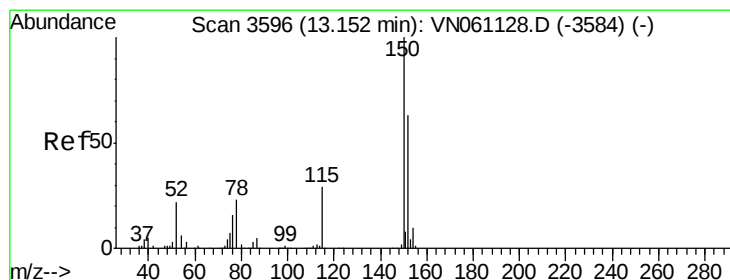
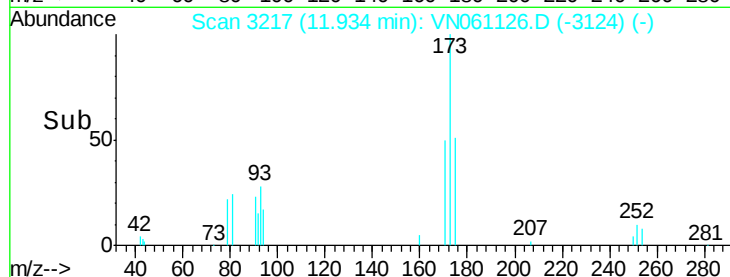
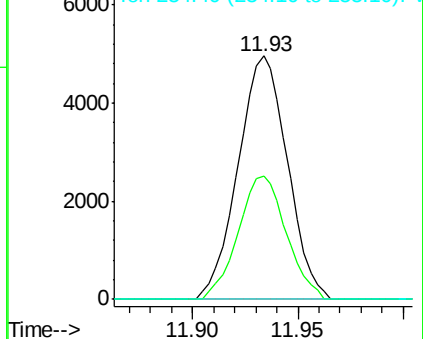
254 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.15 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

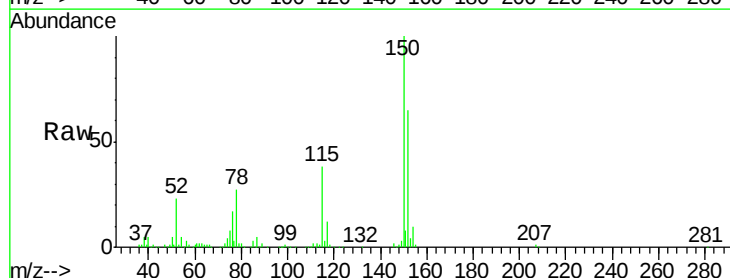
Tgt Ion:152 Resp: 139819

Ion Ratio Lower Upper

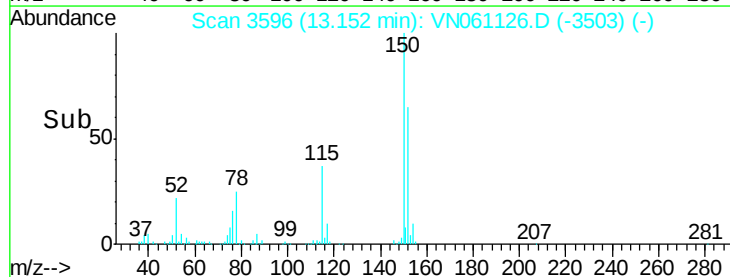
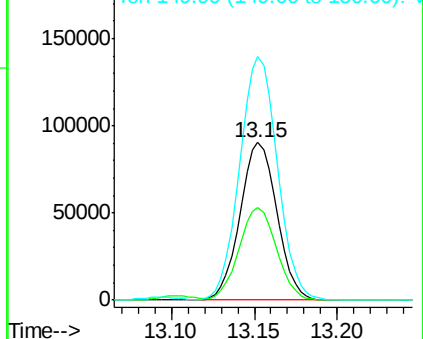
152 100

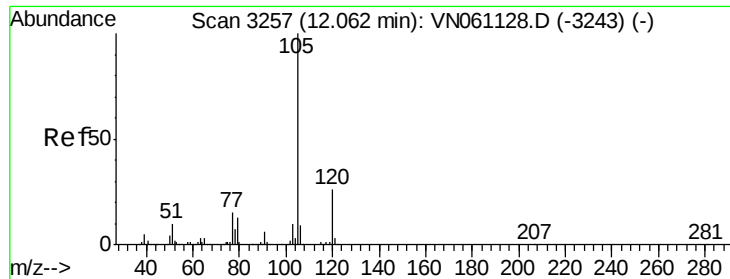
115 59.8 29.8 89.5

150 158.6 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.283 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 58951

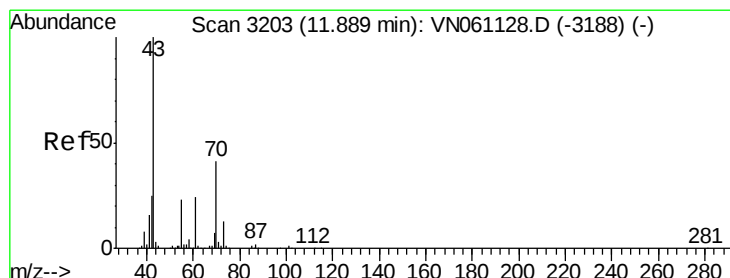
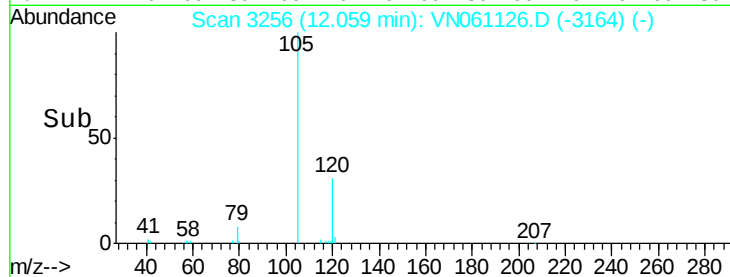
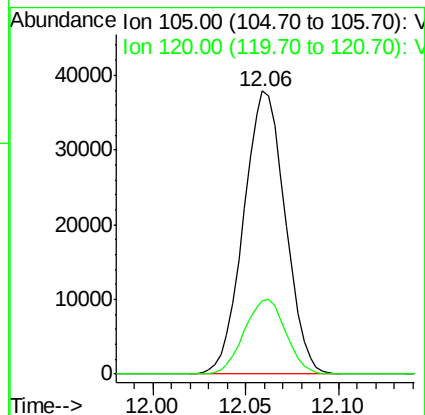
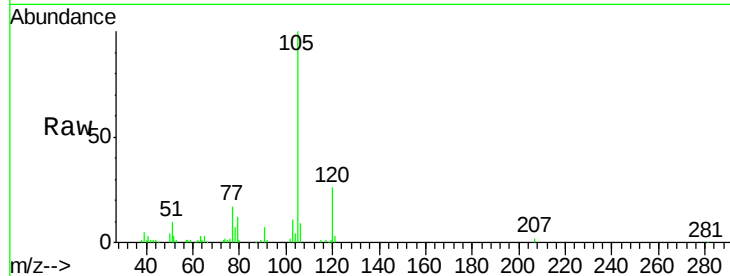
Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 4.897 ug/l

RT: 11.89 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Tgt Ion: 43 Resp: 25231

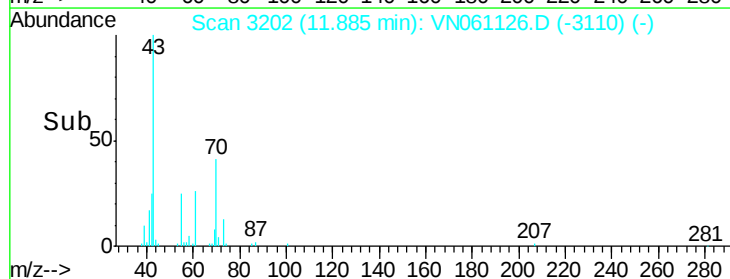
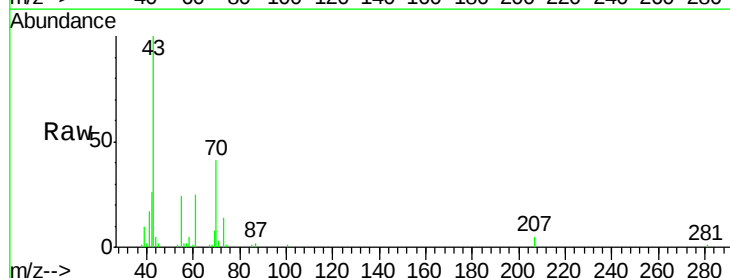
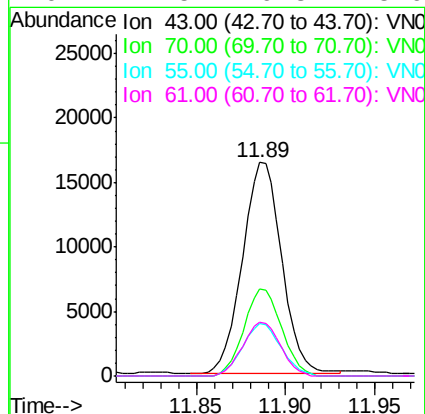
Ion Ratio Lower Upper

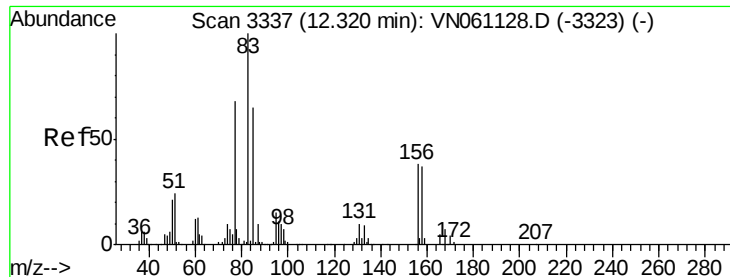
43 100

70 39.3 32.5 48.7

55 24.2 19.0 28.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.729 ug/l

RT: 12.32 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

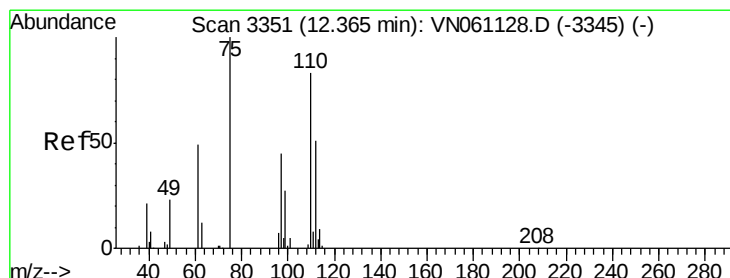
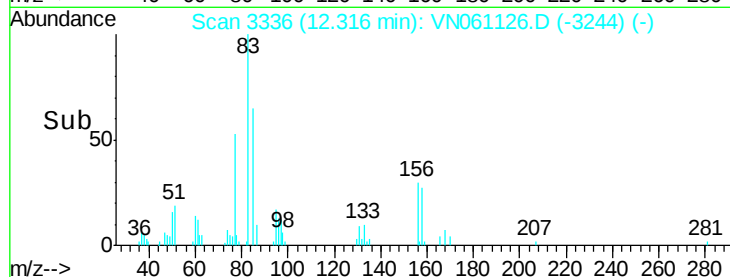
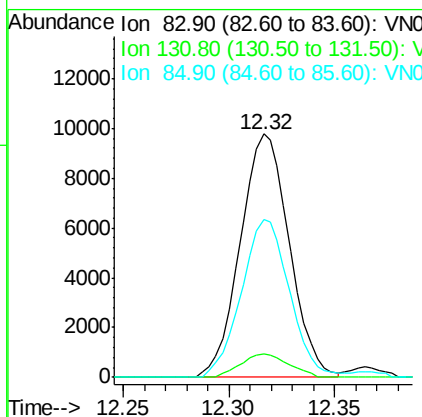
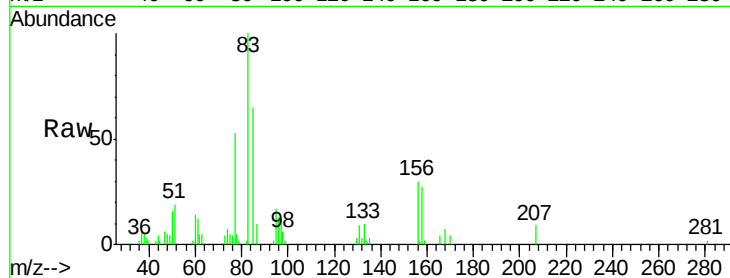
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15771
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.1	15.2
85	63.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.763 ug/l m

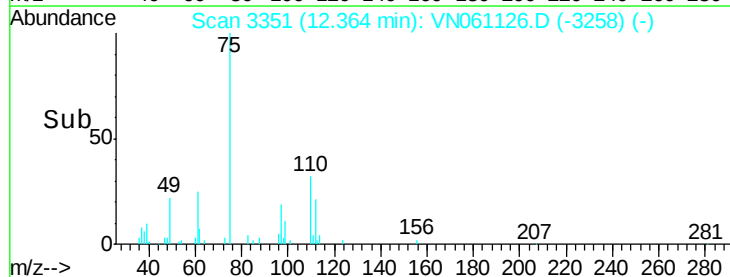
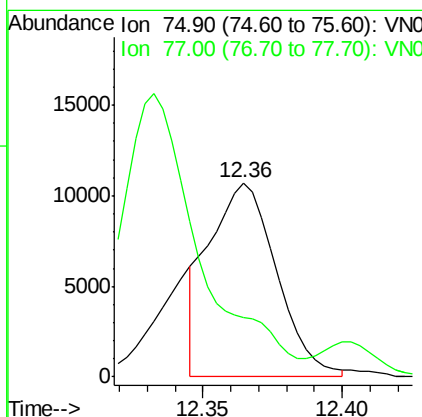
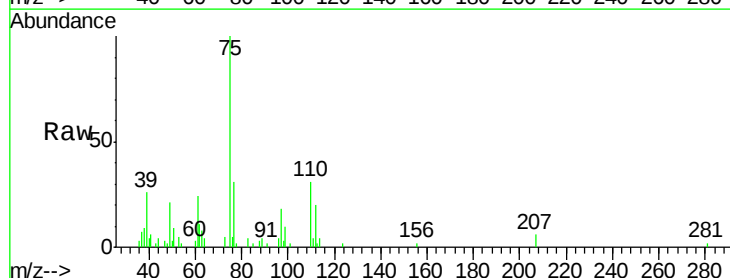
RT: 12.36 min Scan# 3351

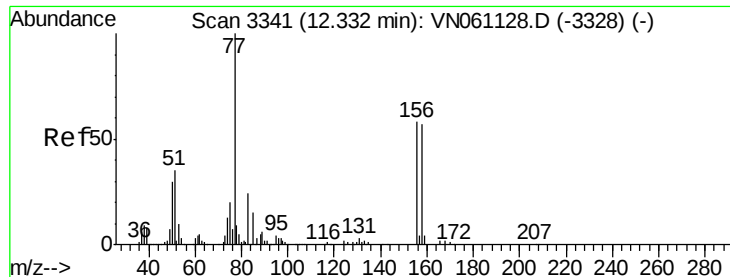
Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Tgt Ion:	75	Resp:	18010
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.563 ug/l

RT: 12.33 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 14610

Ion Ratio Lower Upper

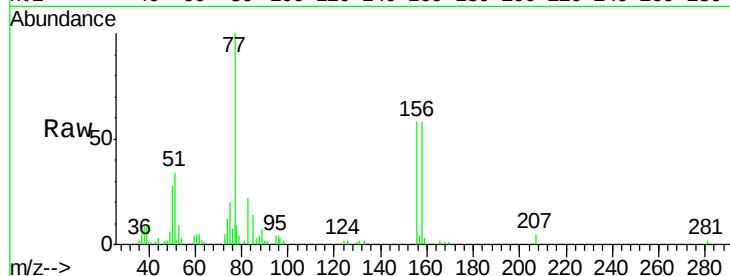
156 100

77 212.4 105.7 317.1

158 96.5 48.3 144.9

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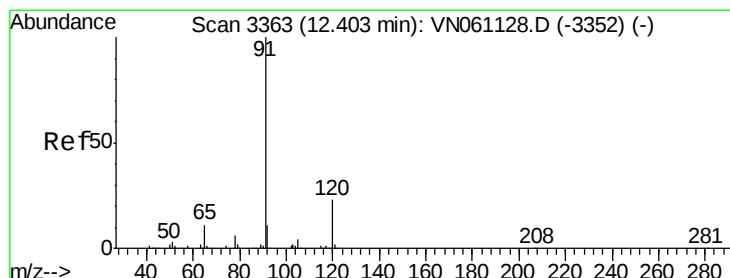
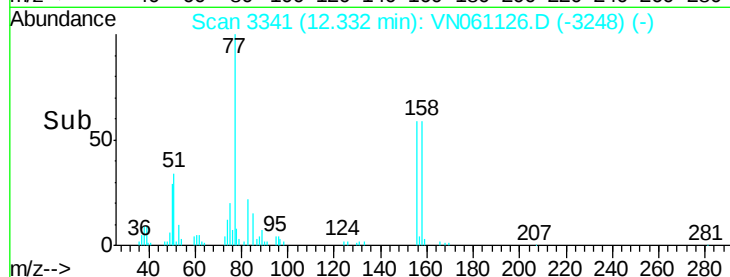
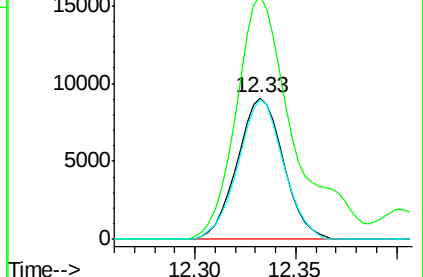
MMDadoda
4/24/2020 1:34:54 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.377 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN061126.D

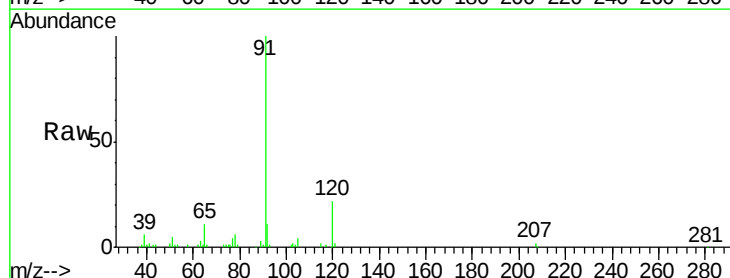
Acq: 22 Apr 2020 13:36

Tgt Ion: 91 Resp: 69972

Ion Ratio Lower Upper

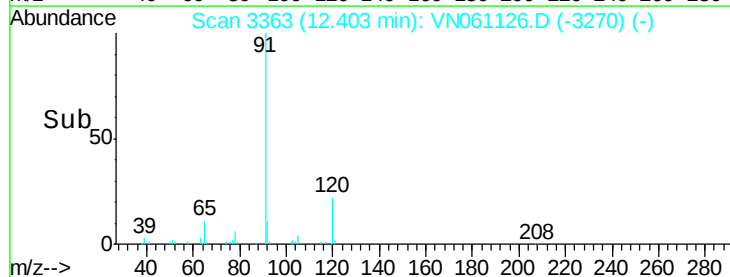
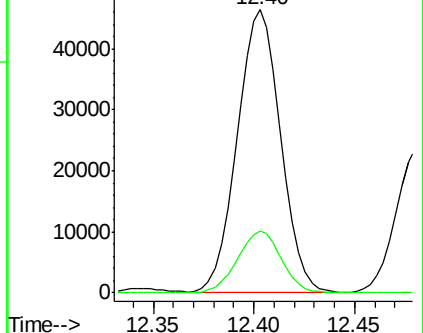
91 100

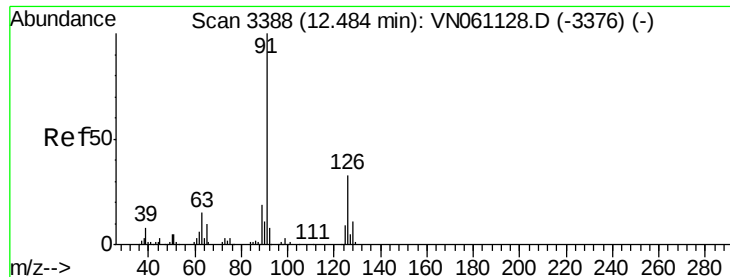
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.336 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 40717

Ion Ratio Lower Upper

91 100

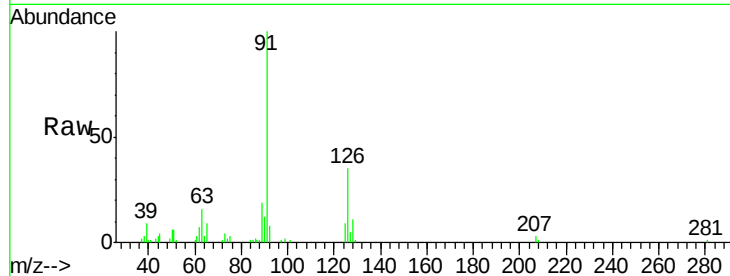
126 33.7 16.7 50.1

Manual Integrations

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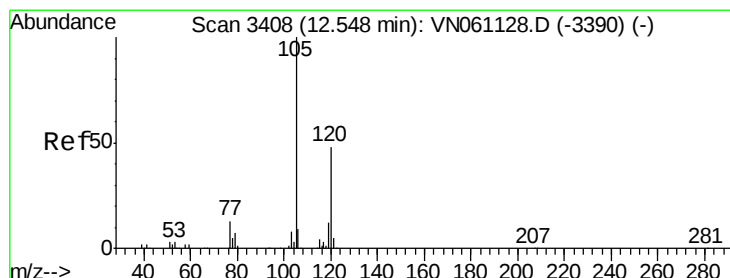
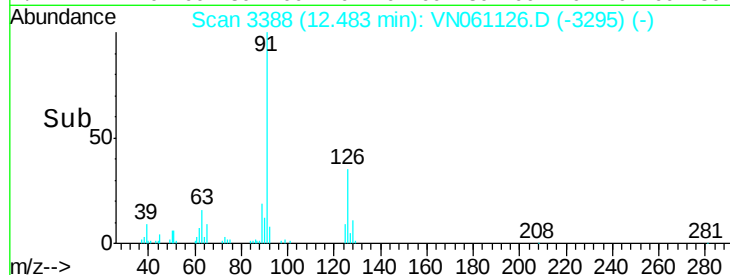
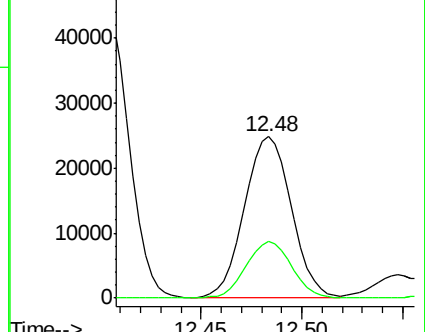
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Abundance Ion 91.00 (90.70 to 91.70): VN061126.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN061126.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.434 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN061126.D

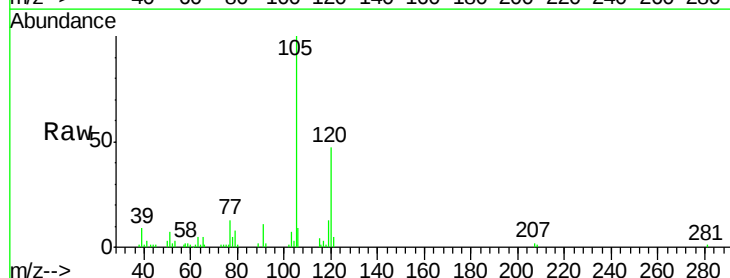
Acq: 22 Apr 2020 13:36

Tgt Ion: 105 Resp: 50092

Ion Ratio Lower Upper

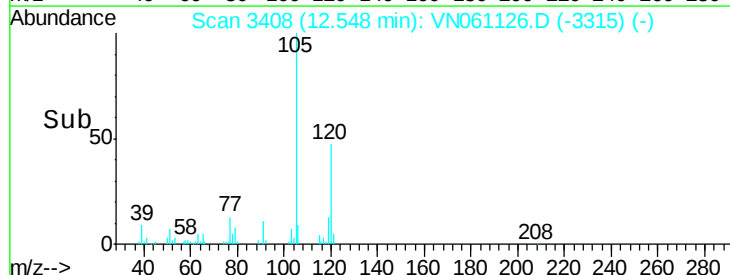
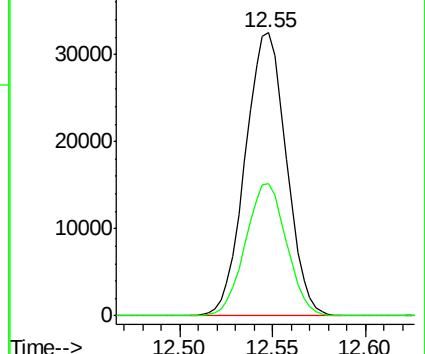
105 100

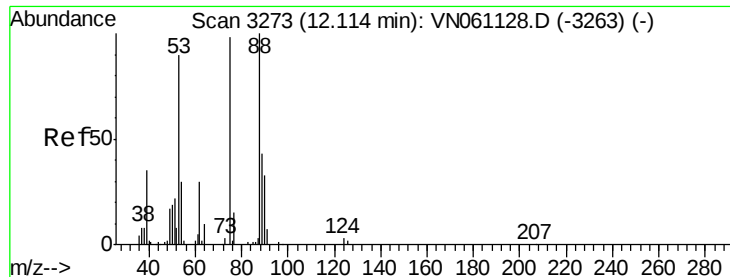
120 46.6 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061126.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN061126.D (-3390) (-)





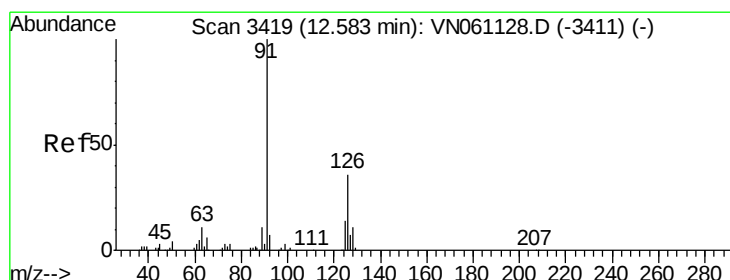
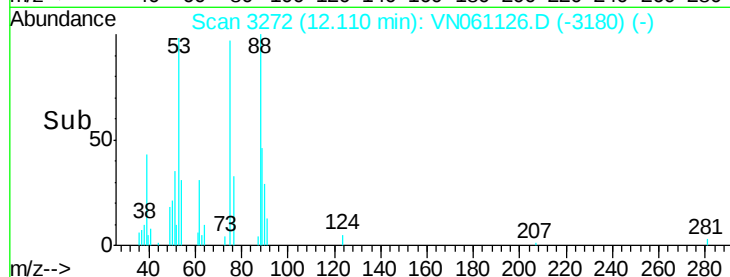
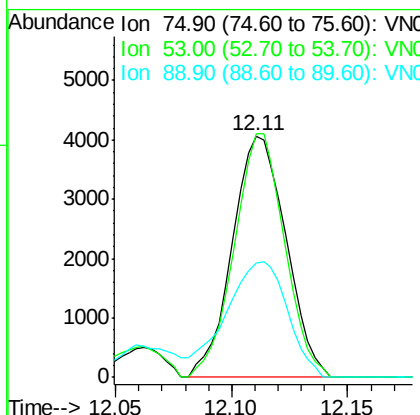
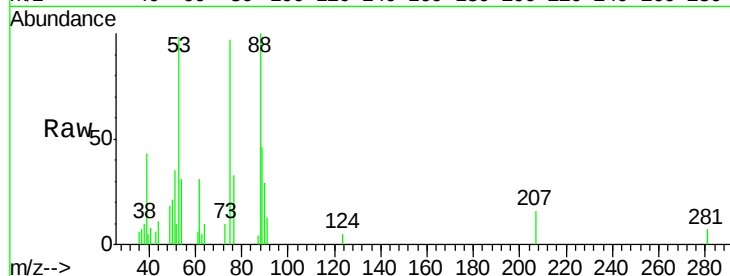
#81
trans-1,4-Dichloro-2-butene
Concen: 5.221 ug/l
RT: 12.11 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.7	74.3	111.5
89	56.0	36.6	55.0#

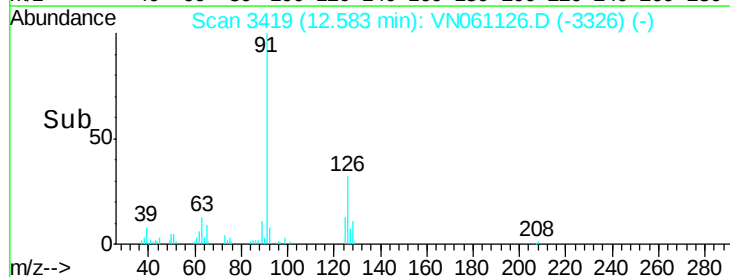
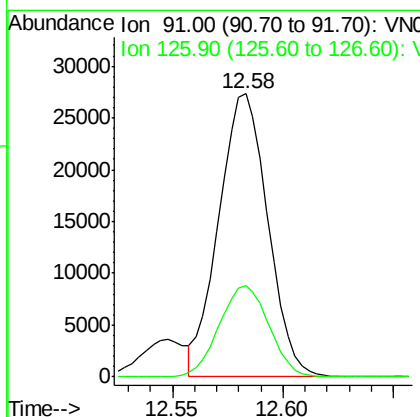
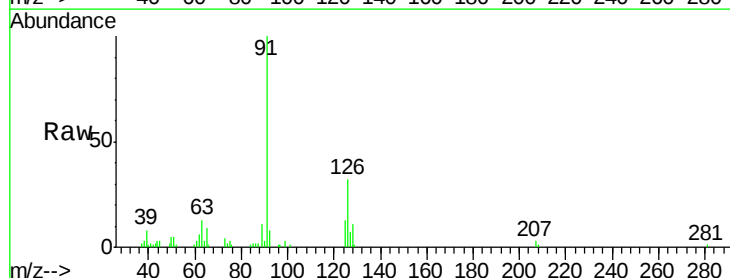
Manual Integrations
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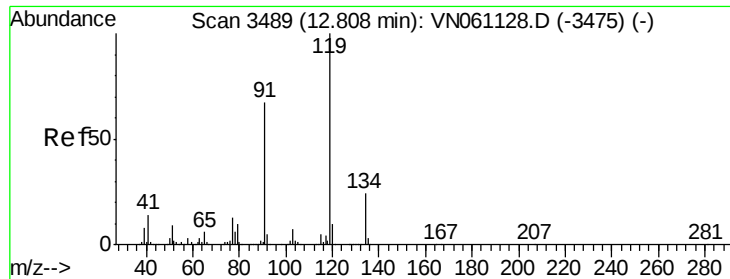
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#82
4-Chlorotoluene
Concen: 5.322 ug/l
RT: 12.58 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.2





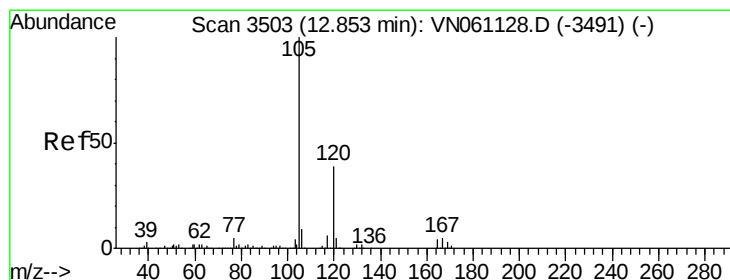
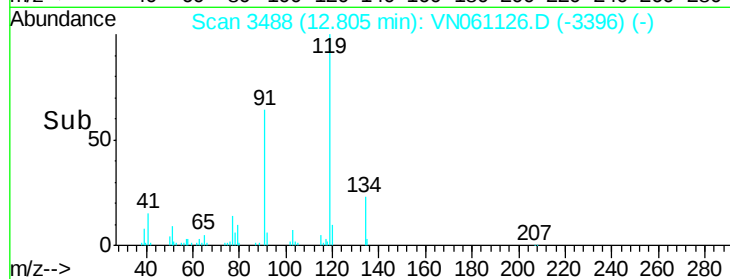
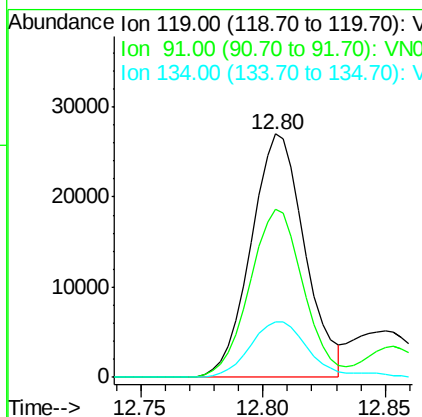
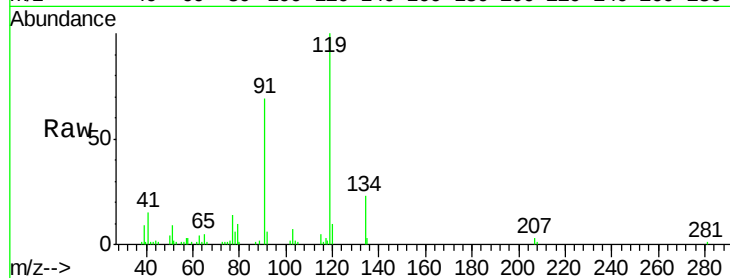
#83
tert-Butylbenzene
Concen: 5.301 ug/l
RT: 12.80 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	32.8	98.4
134	25.5	12.2	36.4

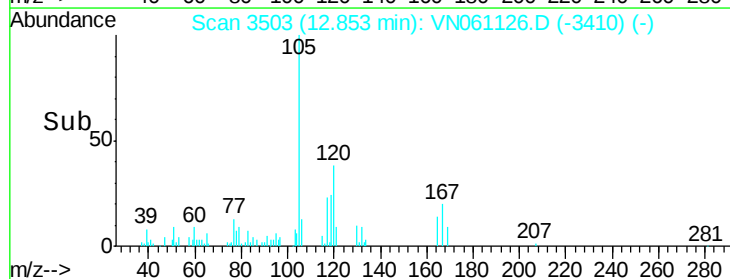
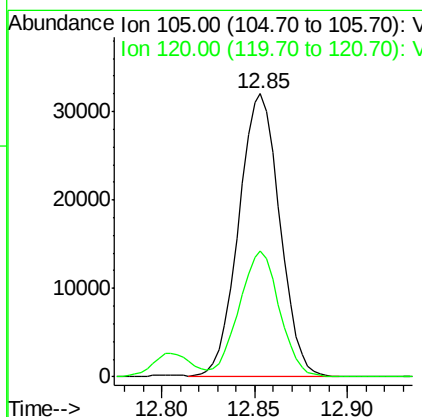
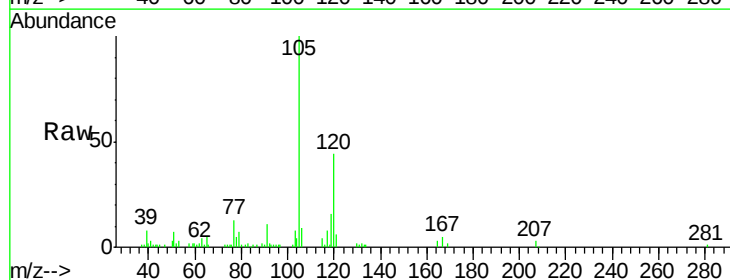
Manual Integrations
APPROVED

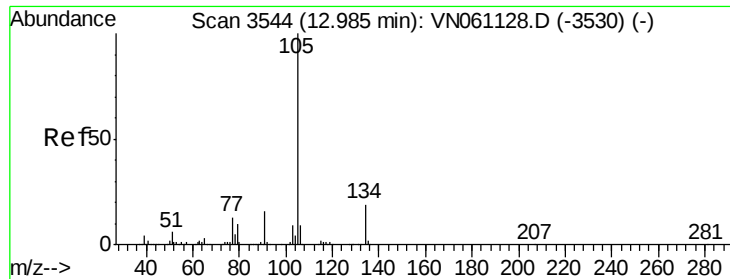
MMDadoda
4/24/2020 1:34:54 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.399 ug/l
RT: 12.85 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.4	67.0





#85

sec-Butylbenzene

Concen: 5.331 ug/l

RT: 12.98 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 55983

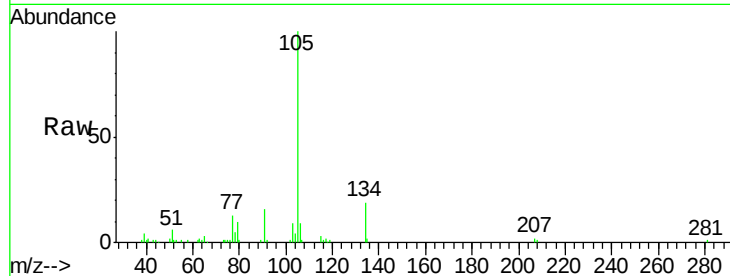
Ion Ratio Lower Upper

105 100

134 19.7 9.7 28.9

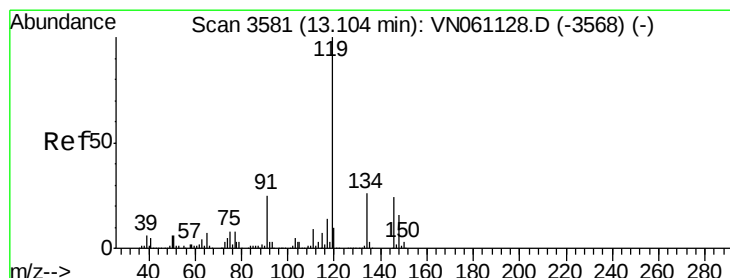
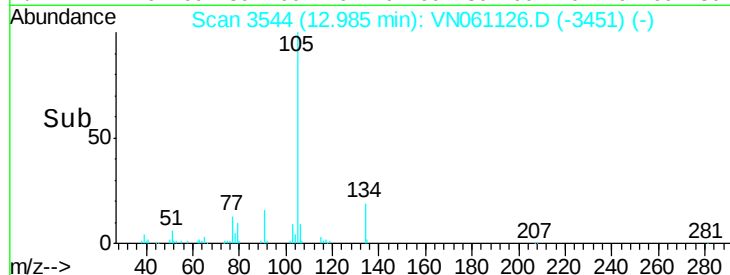
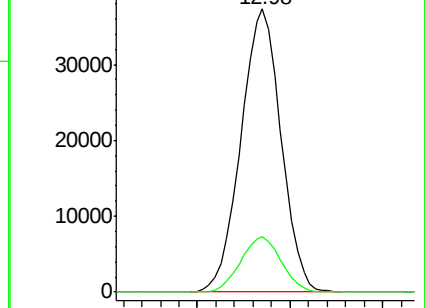
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.521 ug/l

RT: 13.10 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

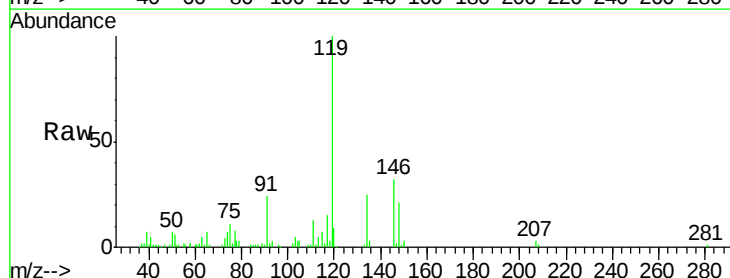
Tgt Ion:119 Resp: 51772

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

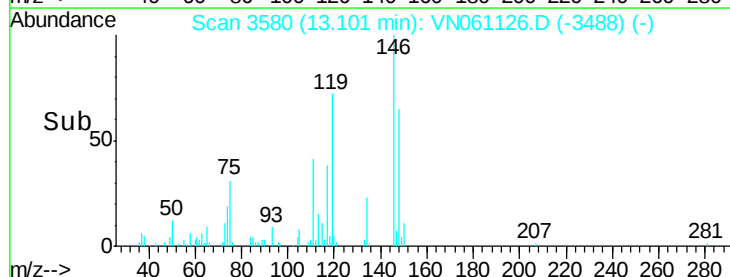
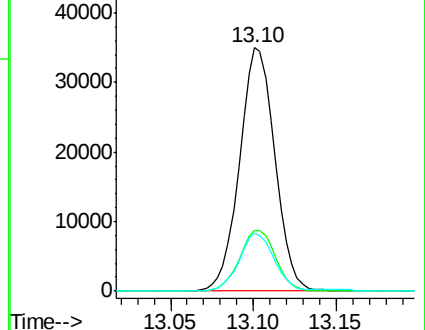
91 23.7 12.4 37.0

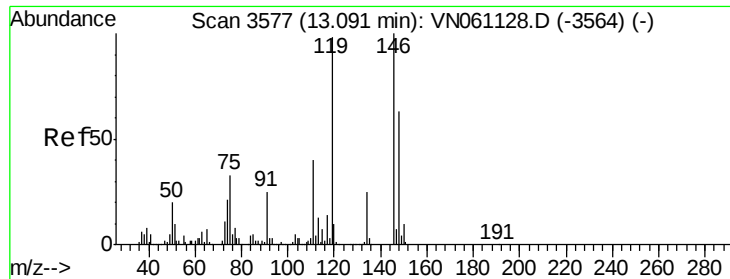


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.514 ug/l

RT: 13.09 min Scan# 3577

Delta R.T. -0.00 min

Lab File: VN061126.D

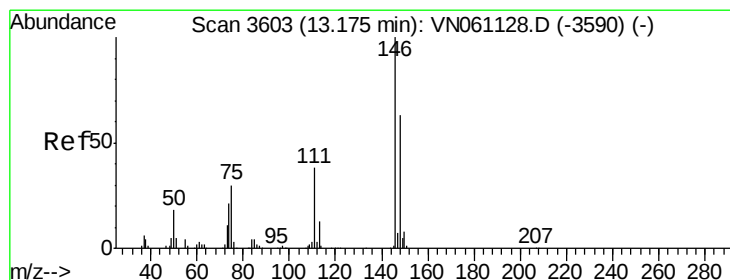
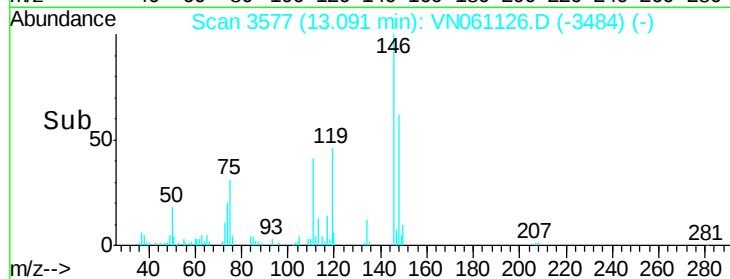
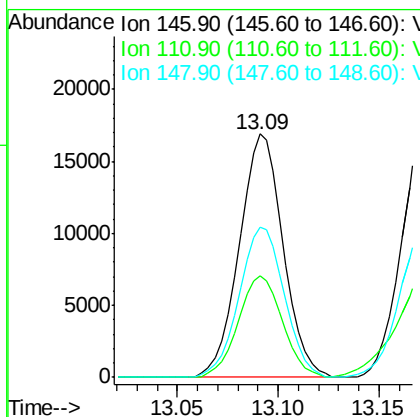
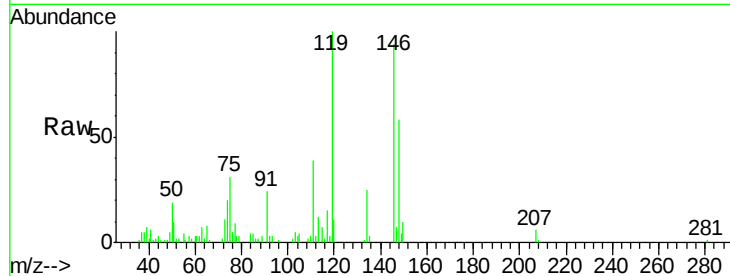
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	60.9
148	63.6	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.633 ug/l

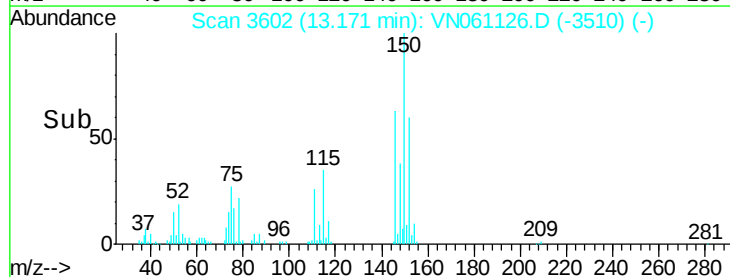
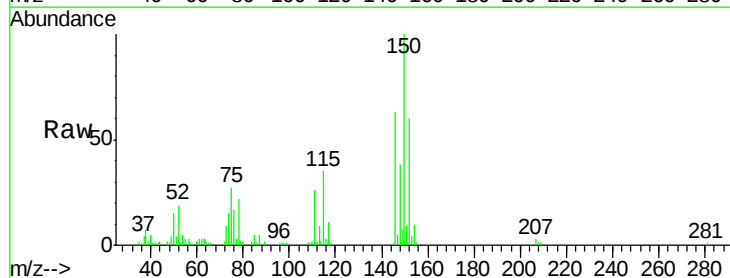
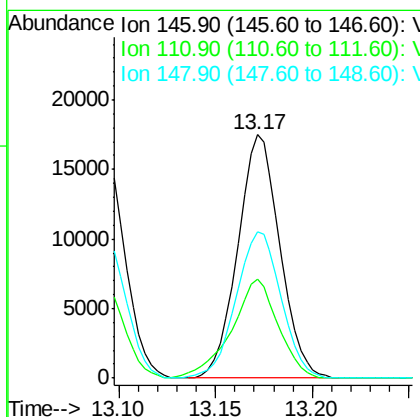
RT: 13.17 min Scan# 3602

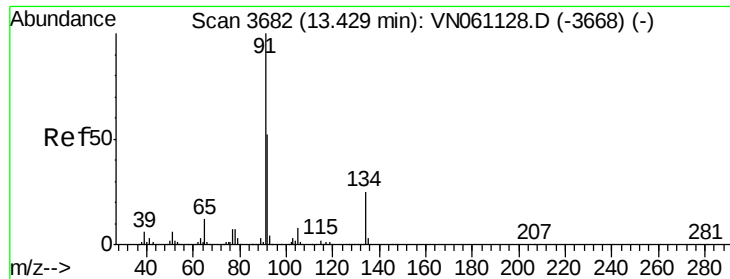
Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.7	59.1
148	64.2	31.8	95.3





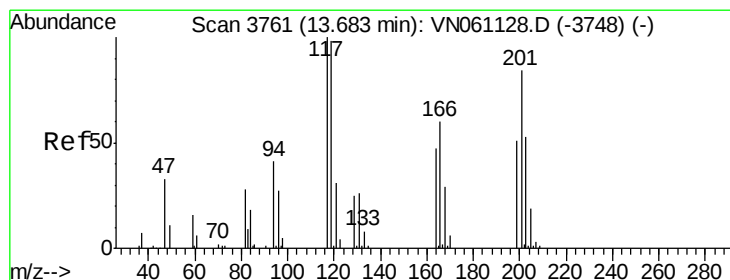
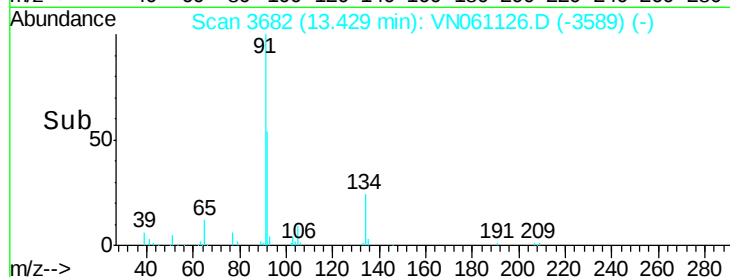
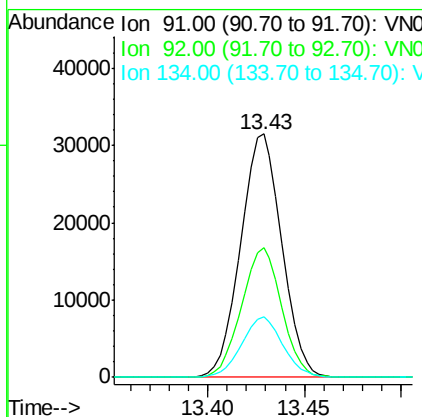
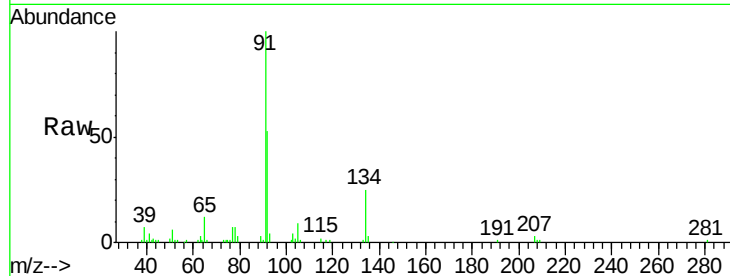
#89
n-Butylbenzene
Concen: 5.359 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	24.9	12.6	37.6

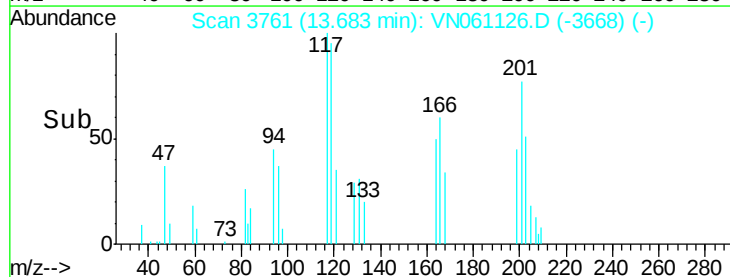
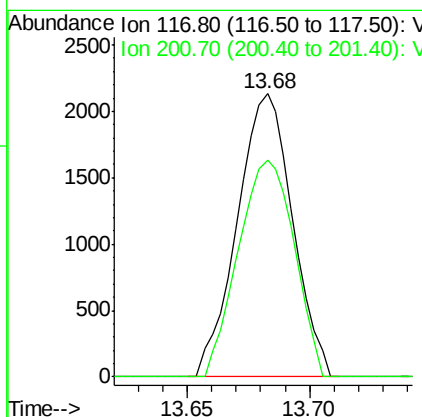
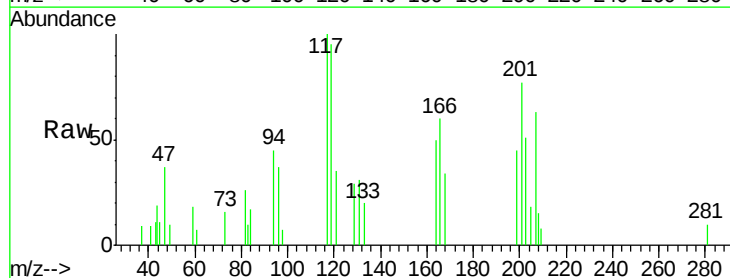
Manual Integrations
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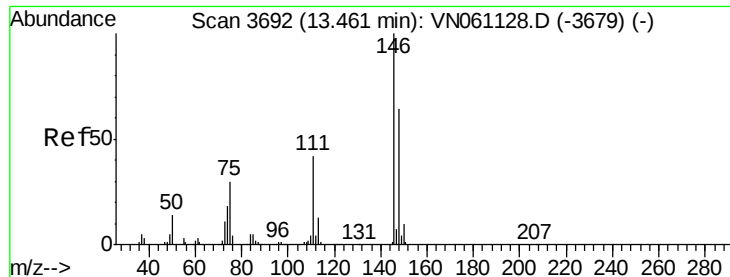
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#90
Hexachloroethane
Concen: 2.489 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	41.4	124.4





#91

1,2-Dichlorobenzene

Concen: 5.393 ug/l

RT: 13.46 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VN061126.D

Acq: 22 Apr 2020 13:36

Instrument :

MSVOA_N

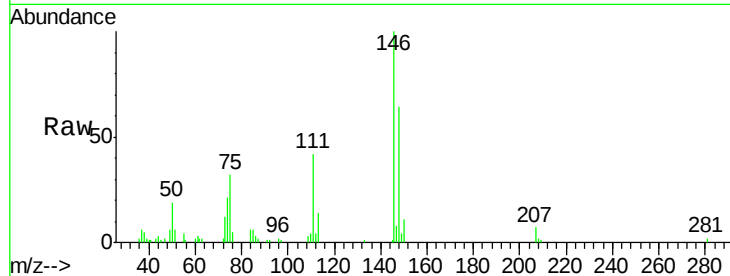
ClientSampleId :

VSTDIC005

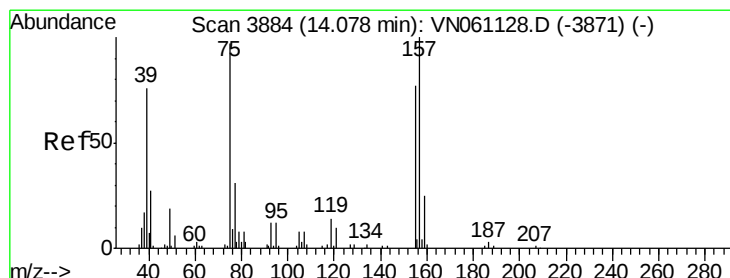
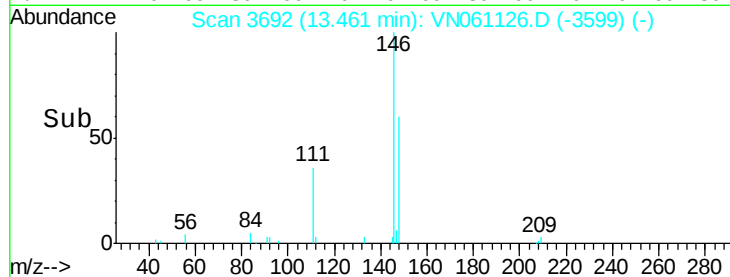
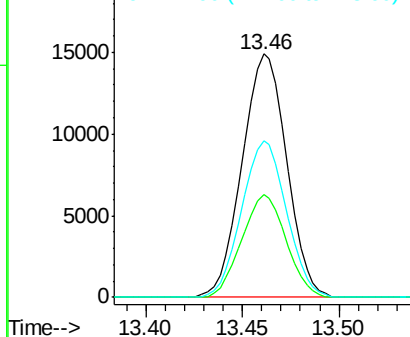
Tot Ion:	146	Resp:	23929
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.8	62.2
148	64.3	31.7	95.1

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.125 ug/l

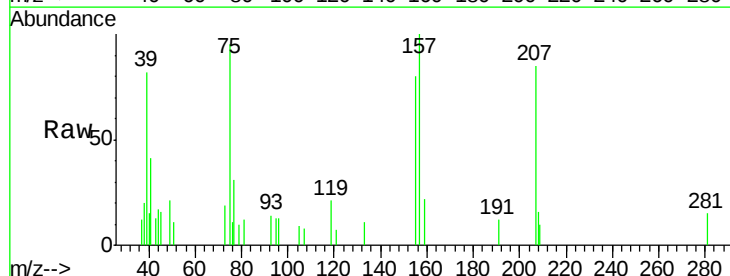
RT: 14.08 min Scan# 3884

Delta R.T. -0.00 min

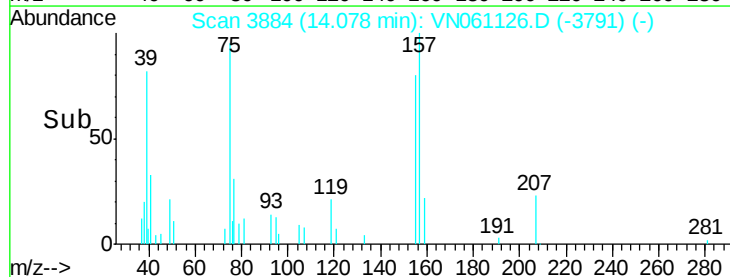
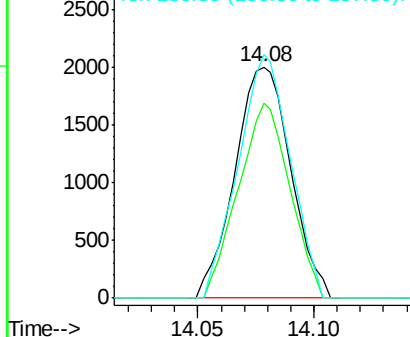
Lab File: VN061126.D

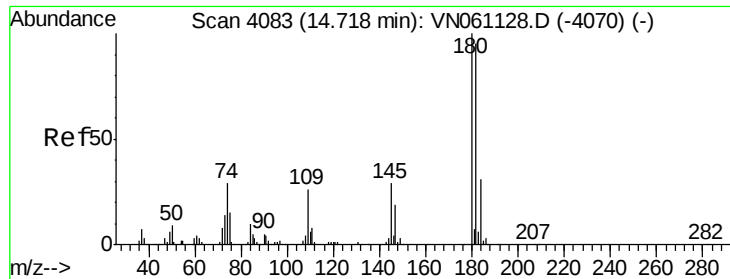
Acq: 22 Apr 2020 13:36

Tgt Ion:	75	Resp:	3343
Ion Ratio	Lower	Upper	
75	100		
155	77.9	40.3	120.9
157	98.5	51.6	154.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





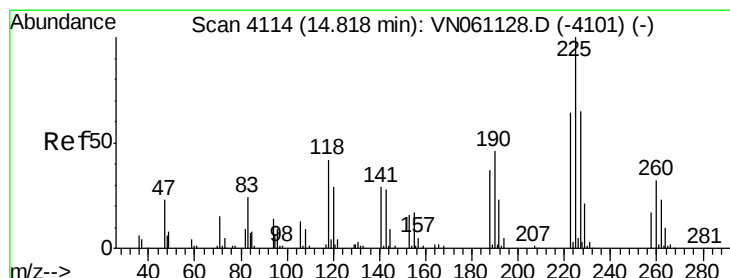
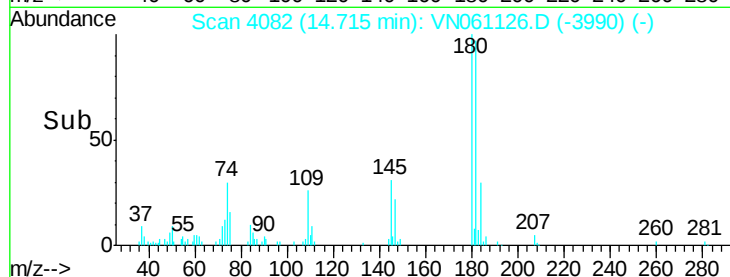
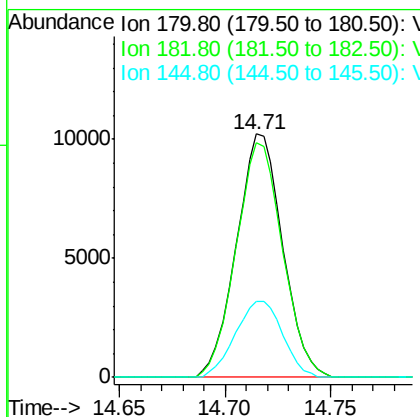
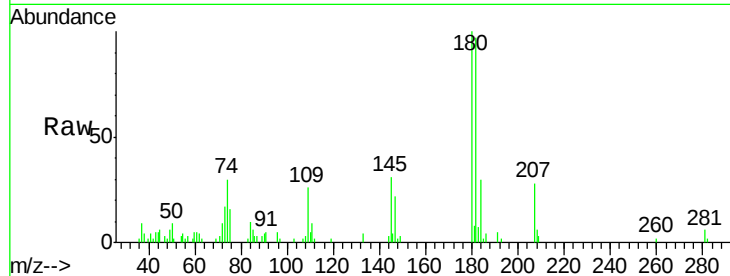
#93
 1,2,4-Trichlorobenzene
 Concen: 5.859 ug/l
 RT: 14.71 min Scan# 4082
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.7
145	32.0	15.2	45.5

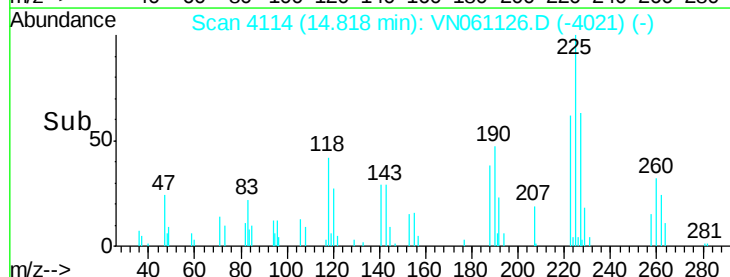
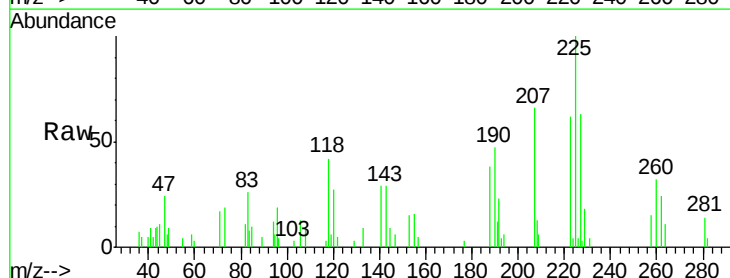
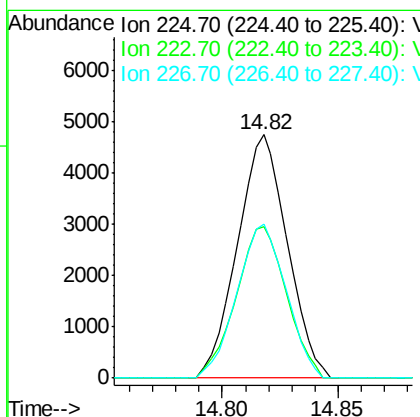
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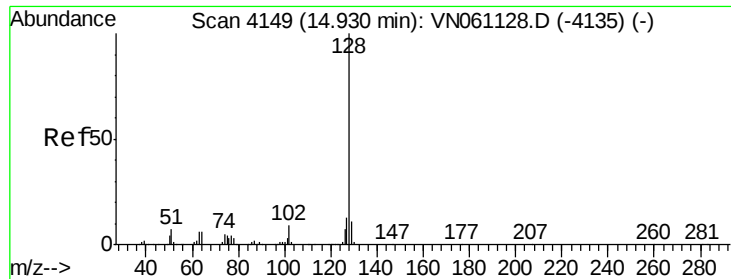
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#94
 Hexachlorobutadiene
 Concen: 5.307 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN061126.D
 Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	62.3	32.0	96.2





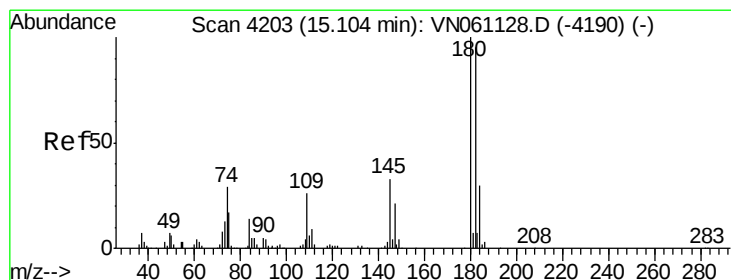
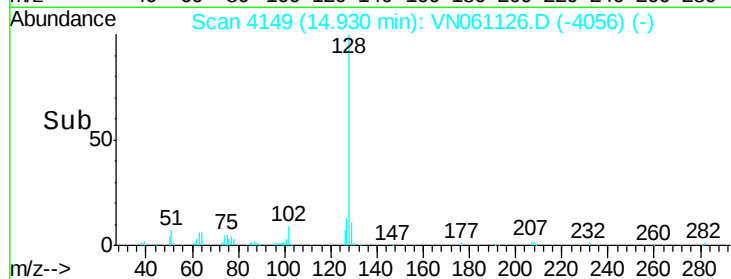
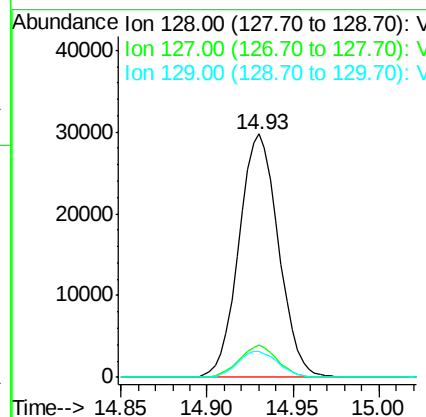
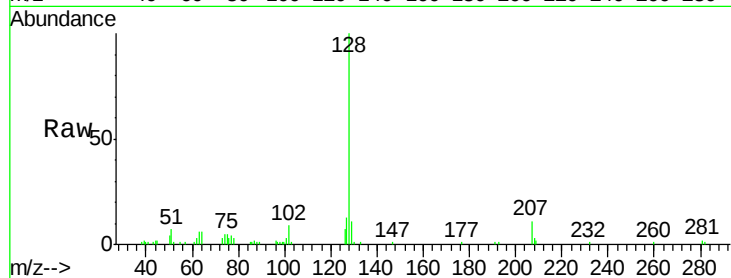
#95
Naphthalene
Concen: 6.082 ug/l
RT: 14.93 min Scan# 4149
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 5.848 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. -0.00 min
Lab File: VN061126.D
Acq: 22 Apr 2020 13:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	33.0	16.3	48.8

