

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061133.D
 Acq On : 22 Apr 2020 17:39
 Operator : JC/MD
 Sample : VN0422WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 11:35:50 AM

Quant Time: Apr 23 07:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	196232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	320712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	294774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	142819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.77	65	129237	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.31	113	94052	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	9.88	98	388805	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.21	95	143641	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.72	85	37815	20.724	ug/l	99
3) Chloromethane	1.91	50	41883	18.793	ug/l	100
4) Vinyl Chloride	2.03	62	51021	18.864	ug/l	95
5) Bromomethane	2.39	94	25127	19.115	ug/l	98
6) Chloroethane	2.52	64	26354	18.445	ug/l	99
7) Trichlorofluoromethane	2.82	101	58765	20.380	ug/l	97
8) Diethyl Ether	3.18	74	24626	18.486	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.51	101	38067	19.755	ug/l	99
10) Methyl Iodide	3.69	142	53889	19.392	ug/l	99
11) Tert butyl alcohol	4.44	59	25354	75.620	ug/l	98
12) 1,1-Dichloroethene	3.49	96	38387	19.568	ug/l	98
13) Acrolein	3.36	56	21255	82.967	ug/l	98
14) Allyl chloride	4.03	41	60493	22.277	ug/l	98
15) Acrylonitrile	4.64	53	93020	89.546	ug/l	99
16) Acetone	3.55	43	86237	88.069	ug/l	99
17) Carbon Disulfide	3.79	76	108827	18.551	ug/l	99
18) Methyl Acetate	4.02	43	53272	16.912	ug/l	99
19) Methyl tert-butyl Ether	4.70	73	129762	18.727	ug/l	99
20) Methylene Chloride	4.24	84	41822	18.397	ug/l	98
21) trans-1,2-Dichloroethene	4.70	96	41842	17.800	ug/l	92
22) Diisopropyl ether	5.62	45	134682	18.763	ug/l	99
23) Vinyl Acetate	5.55	43	539774	93.834	ug/l	99
24) 1,1-Dichloroethane	5.51	63	75738	19.068	ug/l	99
25) 2-Butanone	6.51	43	122930	86.696	ug/l	99
26) 2,2-Dichloropropane	6.50	77	68978	19.284	ug/l	99
27) cis-1,2-Dichloroethene	6.51	96	47847	18.339	ug/l	99
28) Bromochloromethane	6.89	49	30060	17.614	ug/l	97
29) Tetrahydrofuran	6.90	42	85347	87.430	ug/l	99
30) Chloroform	7.08	83	77061	19.185	ug/l	98
31) Cyclohexane	7.38	56	75219	18.830	ug/l	98
32) 1,1,1-Trichloroethane	7.29	97	68809	19.208	ug/l	100
36) 1,1-Dichloropropene	7.52	75	59792	19.076	ug/l	99
37) Ethyl Acetate	6.61	43	56127	17.867	ug/l	100
38) Carbon Tetrachloride	7.50	117	51693	18.839	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	73598	19.204	ug/l	98
40) Benzene	7.78	78	172407	18.577	ug/l	99
41) Methacrylonitrile	6.88	41	27243m	18.267	ug/l	
42) 1,2-Dichloroethane	7.87	62	62686	18.956	ug/l	99
43) Isopropyl Acetate	7.92	43	95731	17.943	ug/l	99
44) Trichloroethene	8.61	130	51740	19.175	ug/l	96
45) 1,2-Dichloropropane	8.89	63	45523	18.539	ug/l	98
46) Dibromomethane	8.98	93	29458	18.721	ug/l	96
47) Bromodichloromethane	9.18	83	60017	19.350	ug/l	98
48) Methyl methacrylate	8.98	41	42942	17.094	ug/l	97
49) 1,4-Dioxane	8.98	88	8499	269.960	ug/l #	93
51) 4-Methyl-2-Pentanone	9.78	43	277836	89.219	ug/l	100
52) Toluene	9.95	92	110038	18.939	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	70173	18.488	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	74547	18.879	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	42523	18.996	ug/l	98
56) Ethyl methacrylate	10.24	69	62359	18.281	ug/l	98
57) 1,3-Dichloropropane	10.51	76	71153	18.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	164636	93.610	ug/l	100
59) 2-Hexanone	10.56	43	199903	86.893	ug/l	100
60) Dibromochloromethane	10.71	129	43690	18.665	ug/l	99
61) 1,2-Dibromoethane	10.81	107	43651	18.922	ug/l	99
64) Tetrachloroethene	10.43	164	58436	19.365	ug/l	99
65) Chlorobenzene	11.24	112	114448	19.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.32	131	40817	19.220	ug/l	100
67) Ethyl Benzene	11.32	91	213782	19.158	ug/l	100
68) m/p-Xylenes	11.43	106	160643	38.551	ug/l	99
69) o-Xylene	11.76	106	76338	18.974	ug/l	99
70) Styrene	11.77	104	123414	18.941	ug/l	99
71) Bromoform	11.93	173	29952	18.708	ug/l #	97
73) Isopropylbenzene	12.06	105	206031	19.095	ug/l	100
74) N-amyl acetate	11.89	43	85518	17.632	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	55222	19.098	ug/l	100
76) 1,2,3-Trichloropropane	12.36	75	60795m	18.454	ug/l	
77) Bromobenzene	12.34	156	49709	18.909	ug/l	99
78) n-propylbenzene	12.40	91	240303	18.988	ug/l	100
79) 2-Chlorotoluene	12.48	91	138175	18.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	171513	18.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	21492	17.133	ug/l	96
82) 4-Chlorotoluene	12.58	91	147330	18.897	ug/l	100
83) tert-Butylbenzene	12.81	119	147165	19.274	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	172371	19.036	ug/l	99
85) sec-Butylbenzene	12.99	105	196797	19.047	ug/l	100
86) p-Isopropyltoluene	13.10	119	178580	19.043	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	89586	19.228	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	90250	19.083	ug/l	99
89) n-Butylbenzene	13.43	91	161719	18.900	ug/l	99
90) Hexachloroethane	13.68	117	11759	15.359	ug/l	100
91) 1,2-Dichlorobenzene	13.46	146	84172	19.418	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	11324	18.042	ug/l	98

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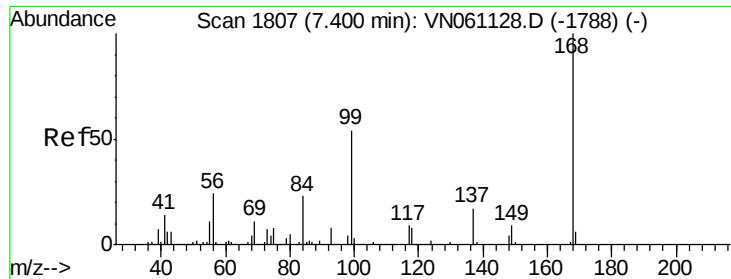
Manual Integrations
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4/23/2020 11:35:50 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	55830	19.257	ug/l	99
94) Hexachlorobutadiene	14.82	225	24754	19.579	ug/l	99
95) Naphthalene	14.93	128	168939	18.873	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	53501	19.204	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion:168 Resp: 196232

Ion Ratio Lower Upper

168 100

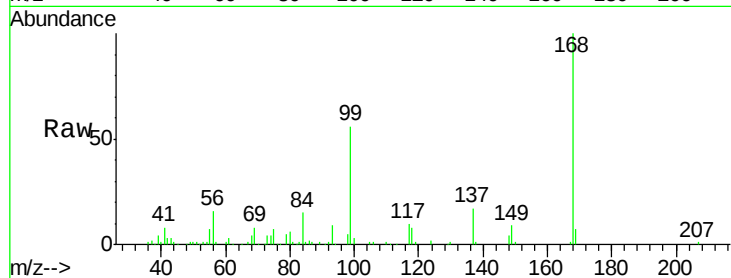
99 56.1 44.3 66.5

Manual Integrations

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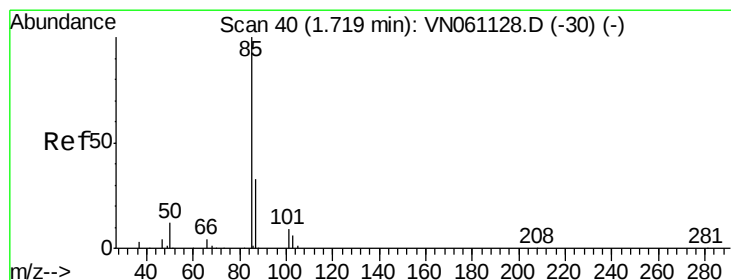
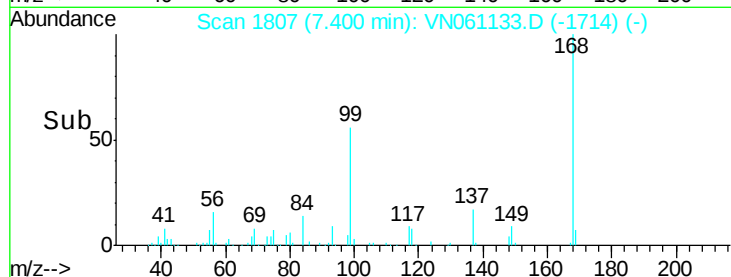
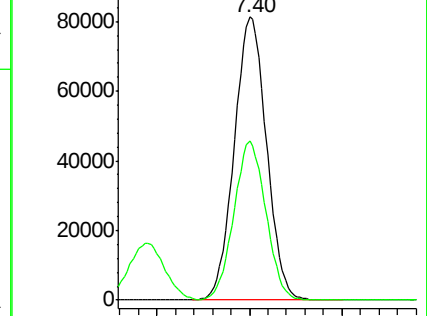
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.724 ug/l

RT: 1.72 min Scan# 40

Delta R.T. -0.00 min

Lab File: VN061133.D

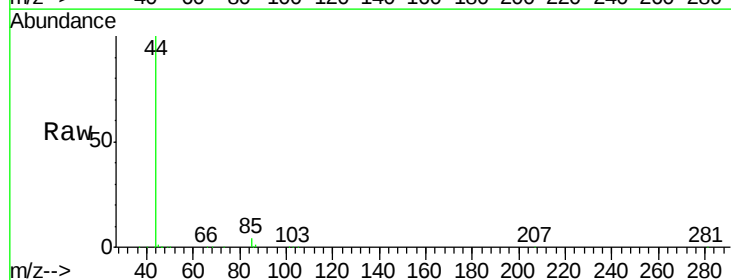
Acq: 22 Apr 2020 17:39

Tgt Ion: 85 Resp: 37815

Ion Ratio Lower Upper

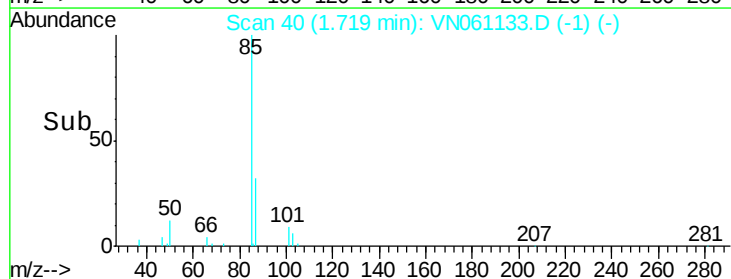
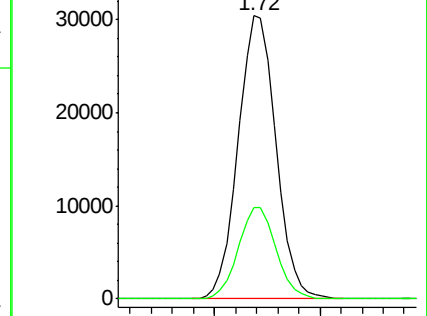
85 100

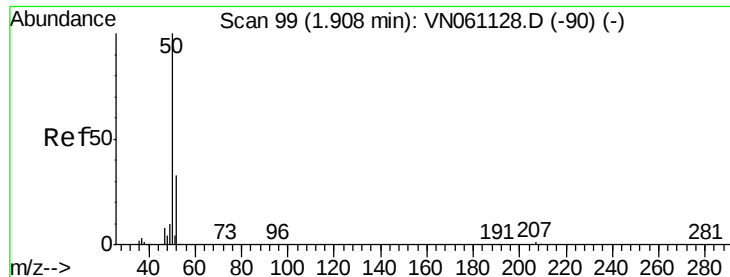
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.793 ug/l

RT: 1.91 min Scan# 100

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 50 Resp: 41883

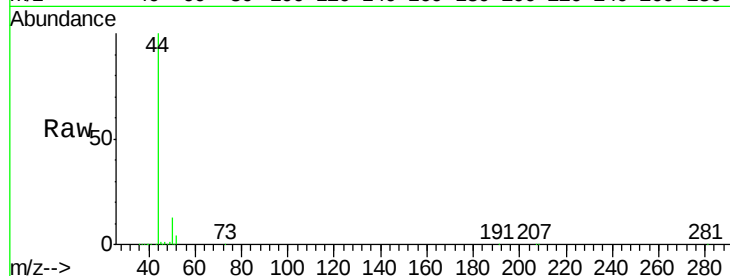
Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5

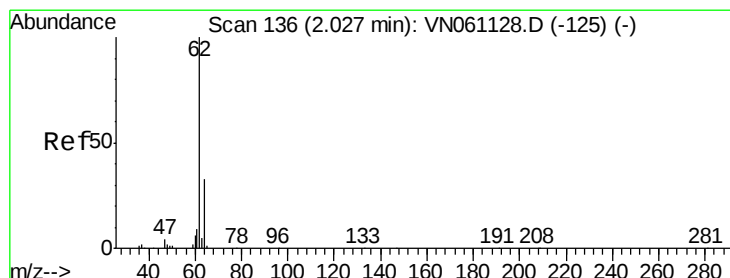
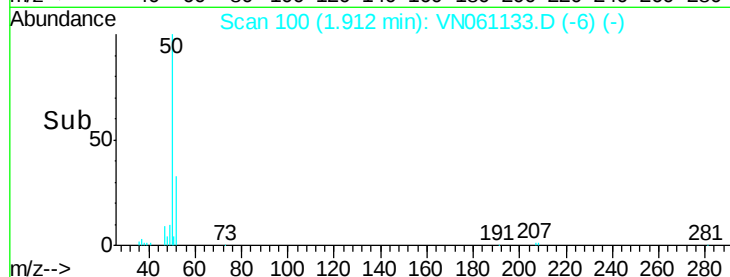
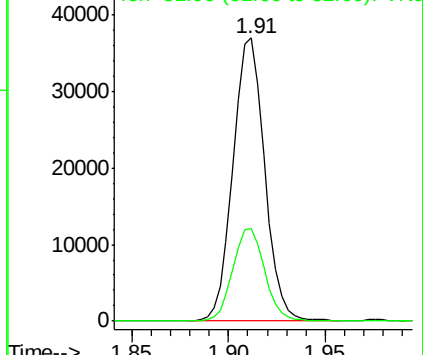
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.864 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061133.D

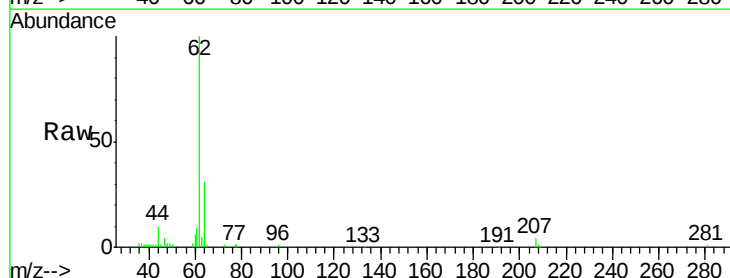
Acq: 22 Apr 2020 17:39

Tgt Ion: 62 Resp: 51021

Ion Ratio Lower Upper

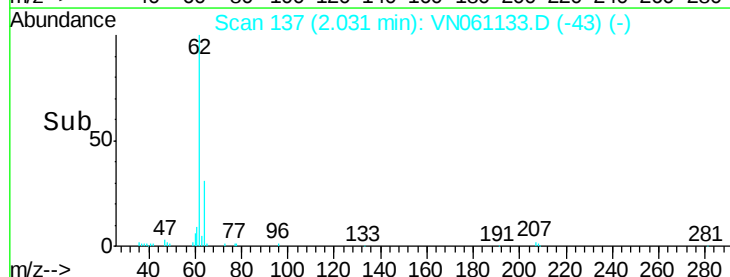
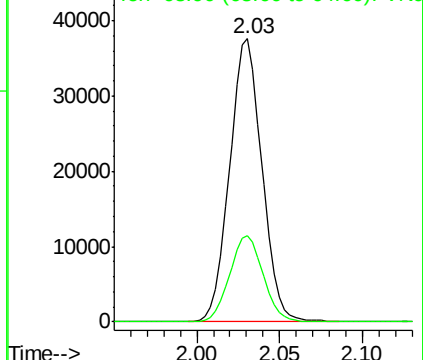
62 100

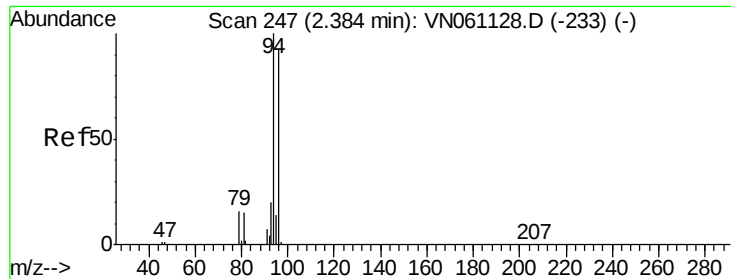
64 30.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.115 ug/l

RT: 2.39 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 94 Resp: 25127

Ion Ratio Lower Upper

94 100

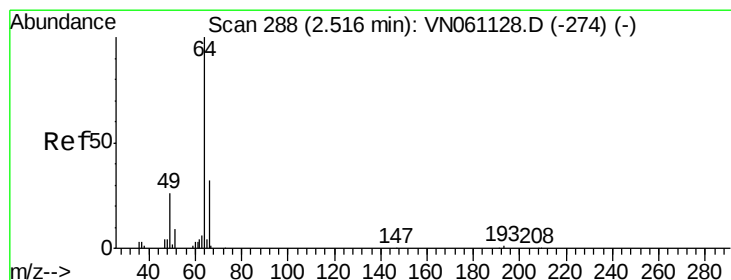
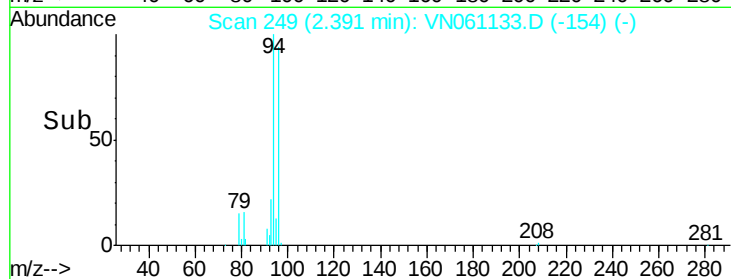
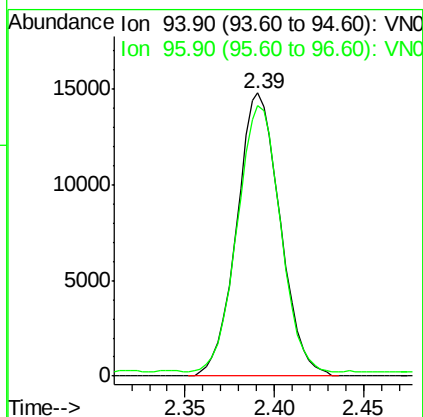
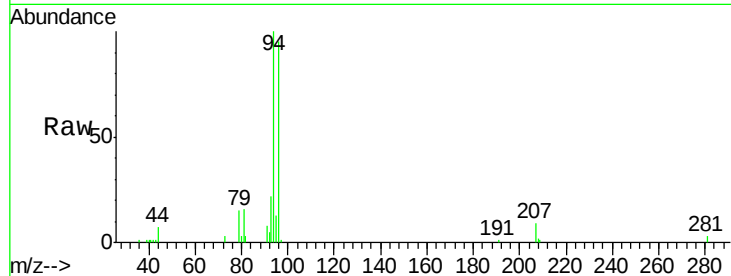
96 93.9 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 18.445 ug/l

RT: 2.52 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN061133.D

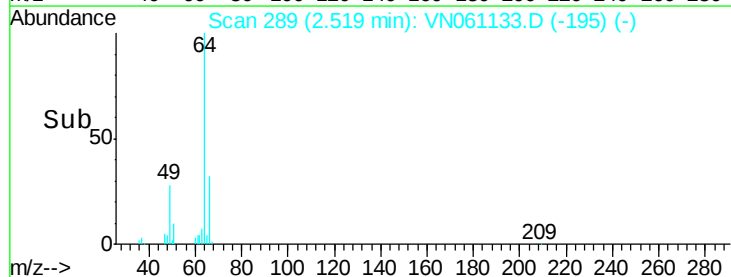
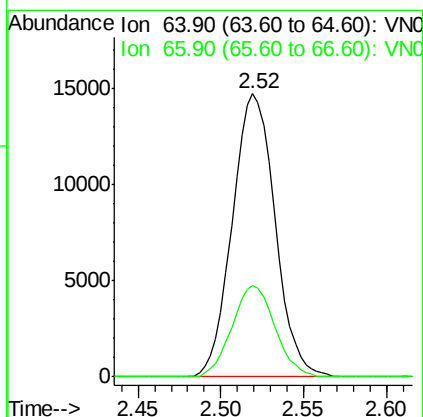
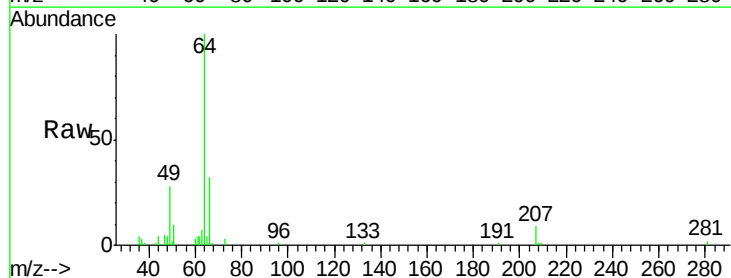
Acq: 22 Apr 2020 17:39

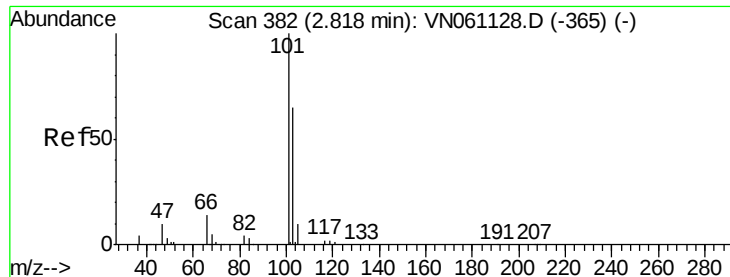
Tgt Ion: 64 Resp: 26354

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.2





#7

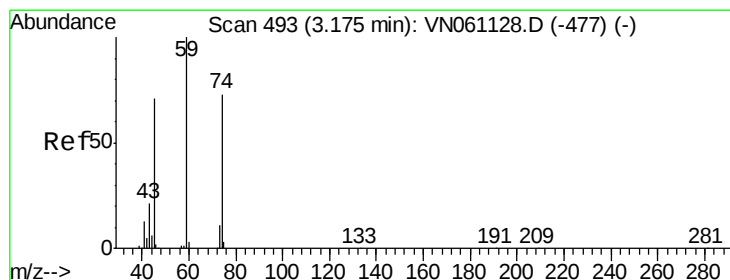
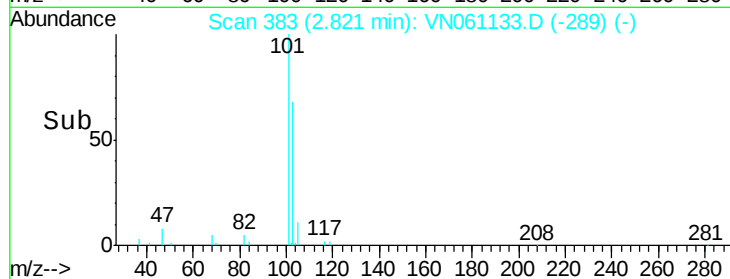
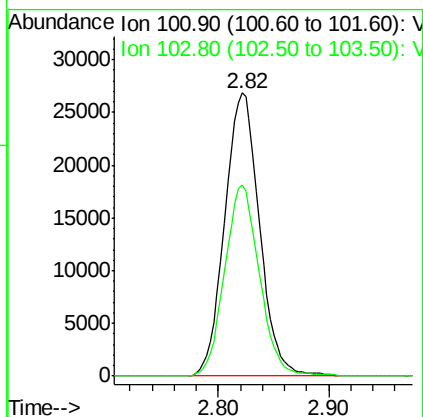
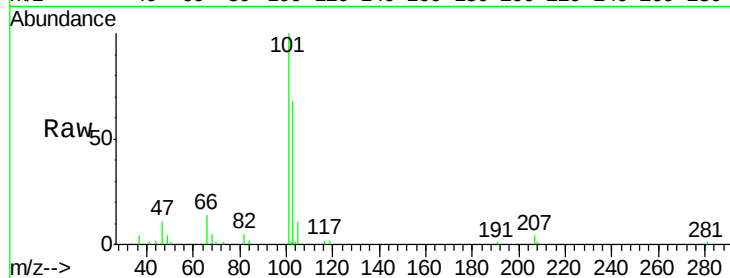
Trichlorofluoromethane
Concen: 20.380 ug/l
RT: 2.82 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		58765		
103	67.7	52.1	78.1		

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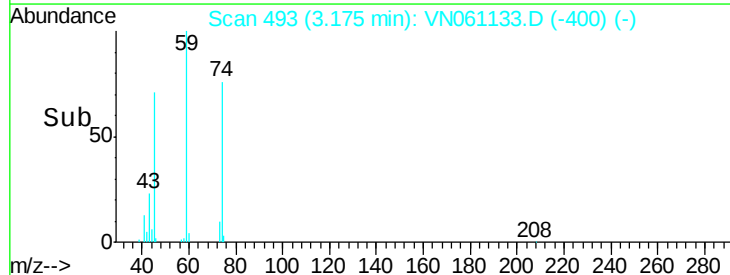
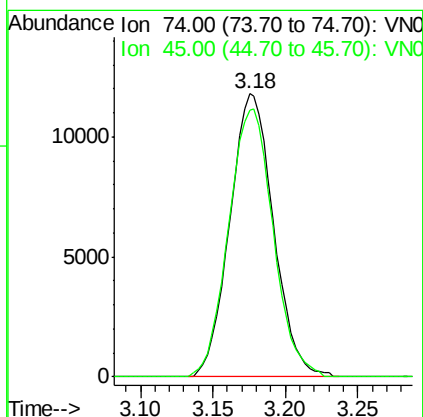
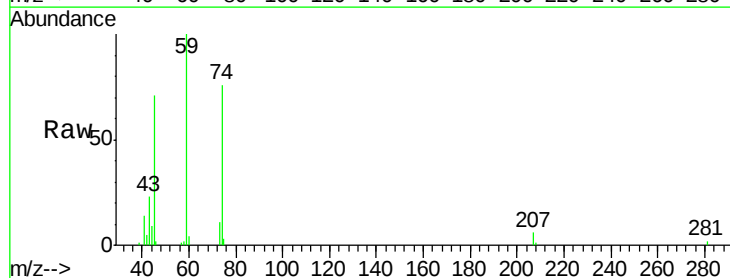
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4/23/2020 11:35:50 AM

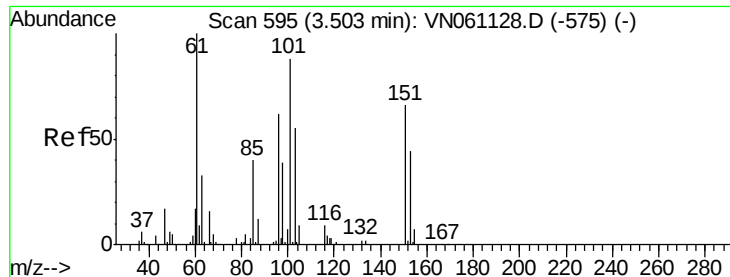


#8

Diethyl Ether
Concen: 18.486 ug/l
RT: 3.18 min Scan# 493
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		24626		
45	96.8	49.1	147.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.755 ug/l

RT: 3.51 min Scan# 596

Delta R.T. 0.00 min

Lab File: VN061133.D

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Instrument :

MSVOA_N

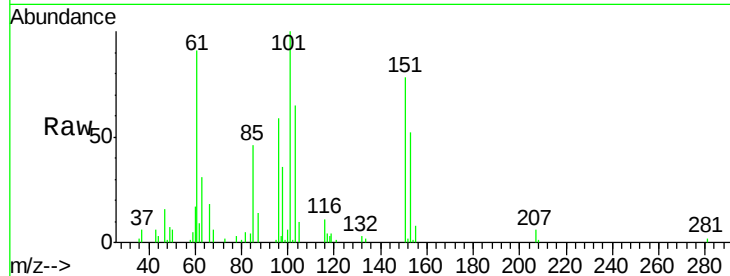
ClientSampleId :

VN0422WBS01

Tot Ion:	101	Resp:	38067
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.2	54.4
151	78.4	61.8	92.8

Manual Integrations
APPROVED

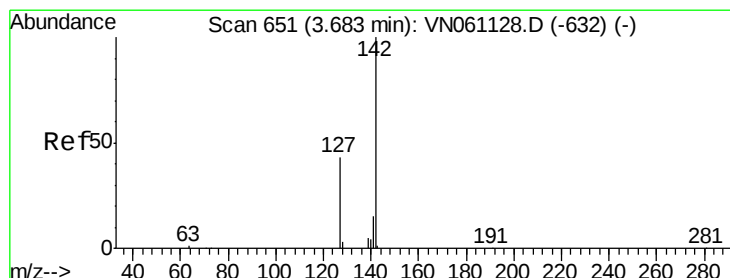
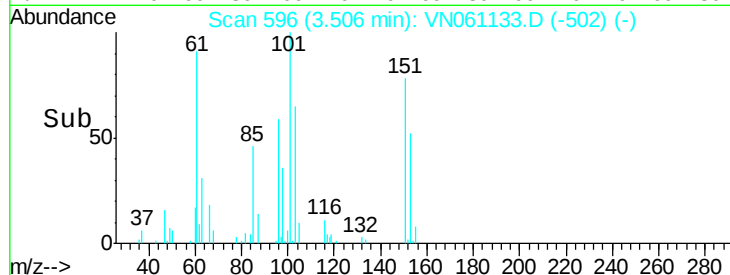
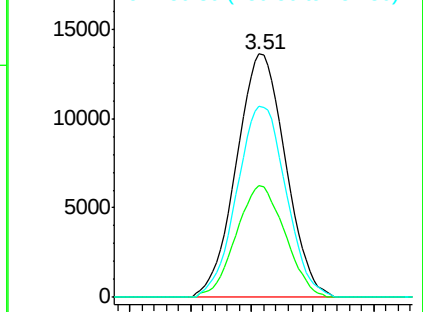
MMDadoda
4/23/2020 11:35:50 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN061133.D (-575) (-)

Ion 150.80 (150.50 to 151.50): VN061133.D (-575) (-)



#10

Methyl Iodide

Concen: 19.392 ug/l

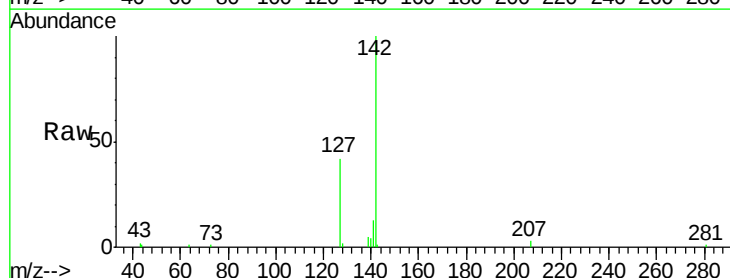
RT: 3.69 min Scan# 652

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

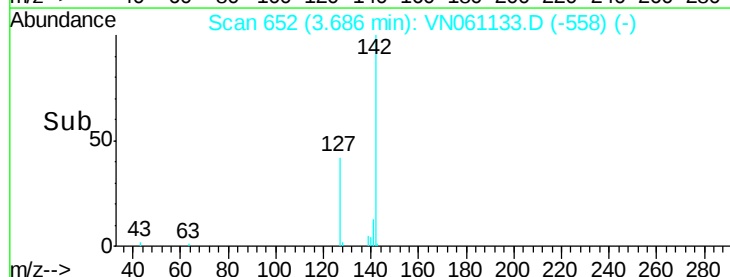
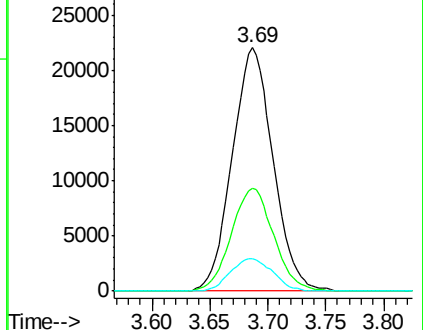
Tgt Ion:	142	Resp:	53889
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.2	51.4
141	13.9	11.3	16.9

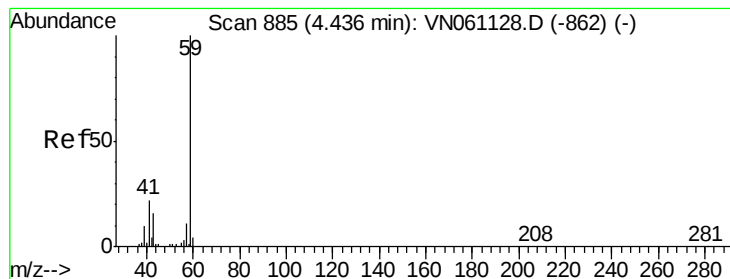


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): VN061133.D (-632) (-)

Ion 140.80 (140.50 to 141.50): VN061133.D (-632) (-)





#11

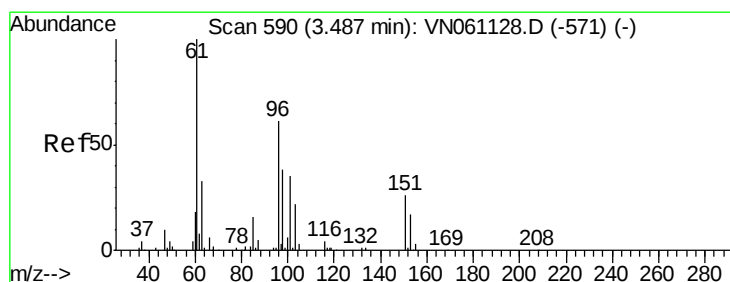
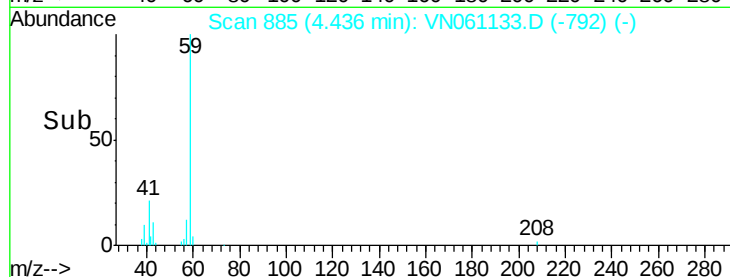
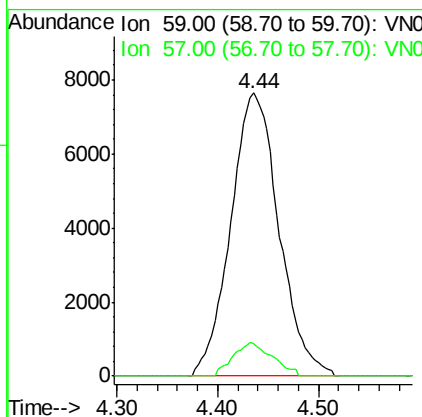
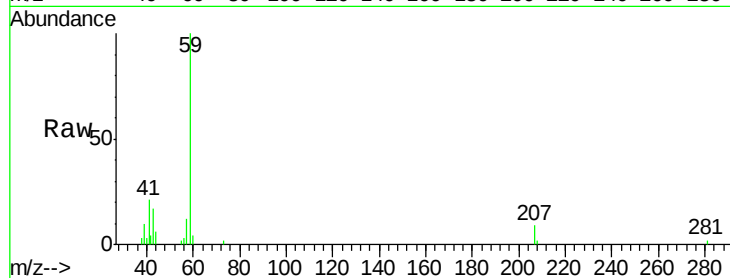
Tert butyl alcohol
 Concen: 75.620 ug/l
 RT: 4.44 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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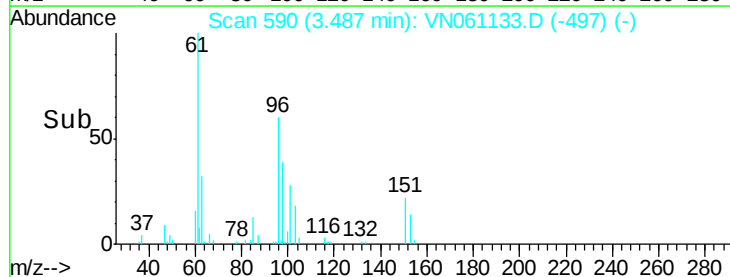
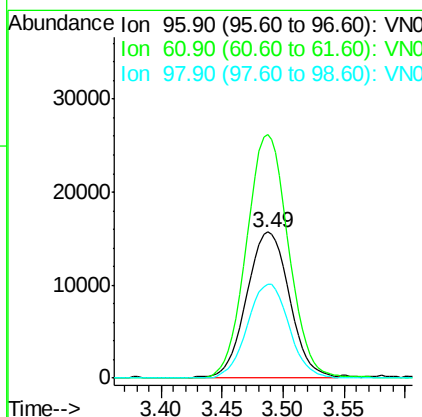
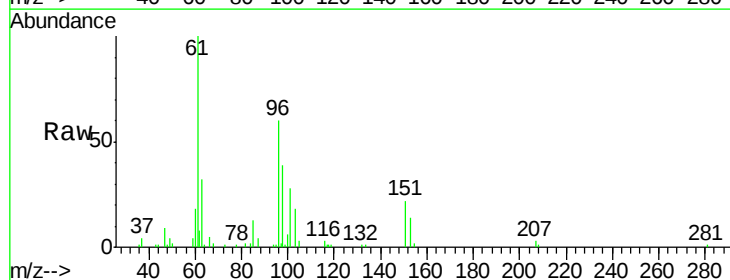
MMDadoda
 4/23/2020 11:35:50 AM

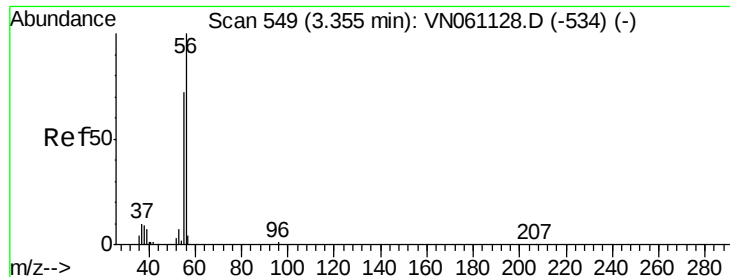


#12

1,1-Dichloroethene
 Concen: 19.568 ug/l
 RT: 3.49 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.5	130.8	196.2
98	64.2	49.4	74.2





#13

Acrolein

Concen: 82.967 ug/l

RT: 3.36 min Scan# 550

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 56 Resp: 21255

Ion Ratio Lower Upper

56 100

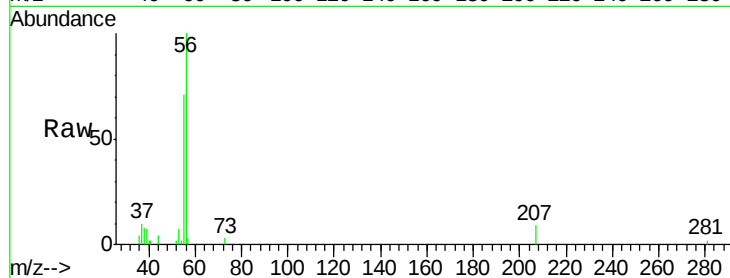
55 70.2 57.4 86.0

Manual Integrations

APPROVED

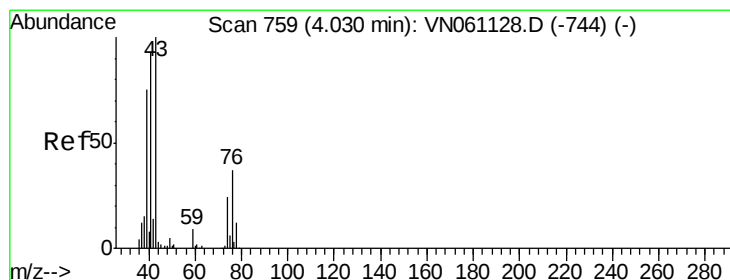
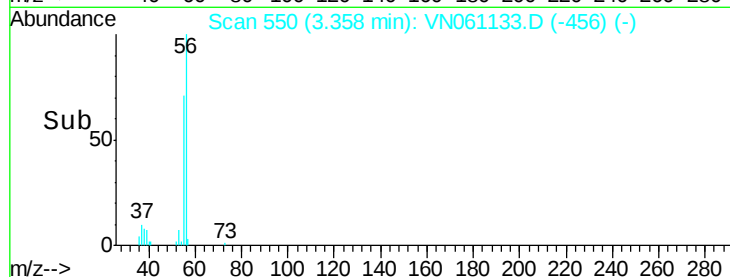
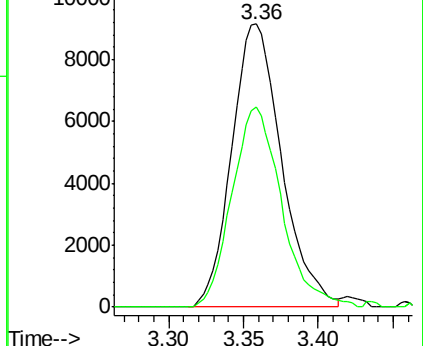
MMDadoda

4/23/2020 11:35:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN061133.D (-556) (-)

Ion 55.00 (54.70 to 55.70): VN061133.D (-555) (-)



#14

Allyl chloride

Concen: 22.277 ug/l

RT: 4.03 min Scan# 759

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

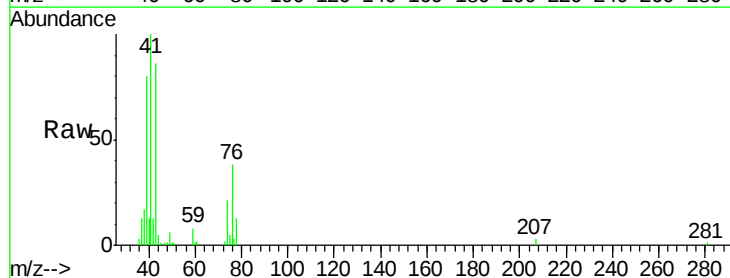
Tgt Ion: 41 Resp: 60493

Ion Ratio Lower Upper

41 100

39 78.2 61.0 91.4

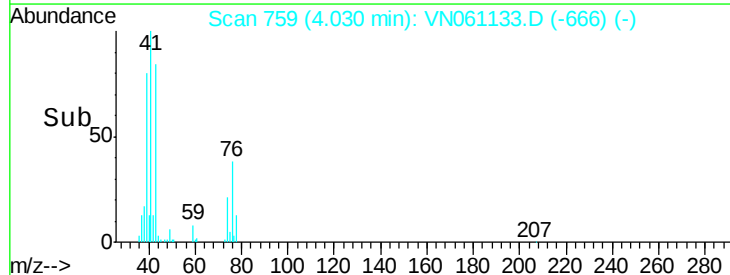
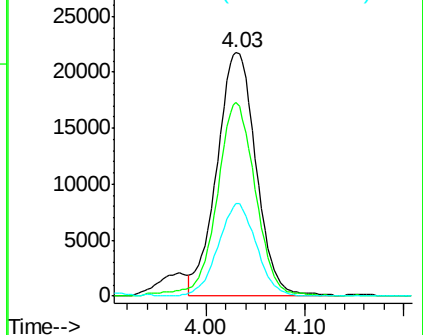
76 36.9 28.9 43.3

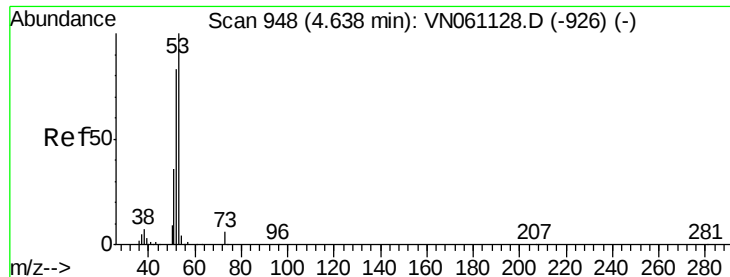


Abundance Ion 41.00 (40.70 to 41.70): VN061133.D (-666) (-)

Ion 39.00 (38.70 to 39.70): VN061133.D (-665) (-)

Ion 75.90 (75.60 to 76.60): VN061133.D (-667) (-)





#15

Acrylonitrile

Concen: 89.546 ug/l

RT: 4.64 min Scan# 948

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

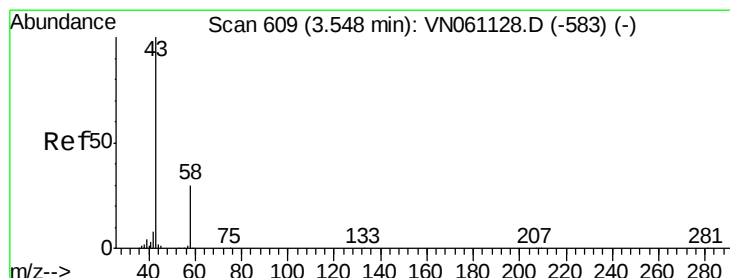
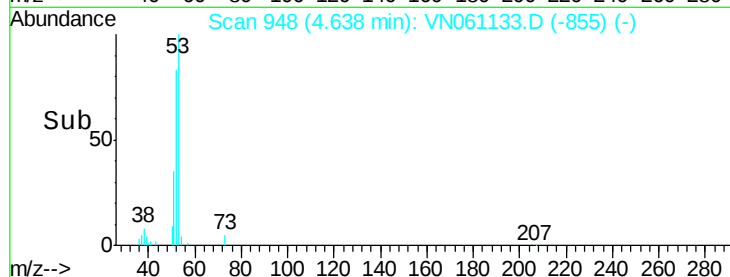
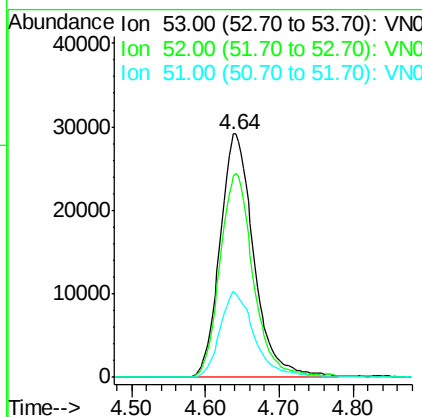
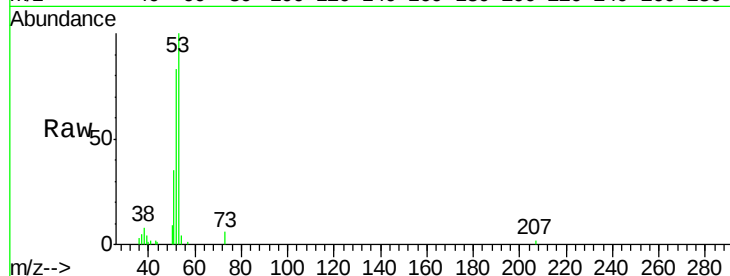
ClientSampleId :

VN0422WBS01

Tot Ion:	53	Resp:	93020
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	35.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 88.069 ug/l

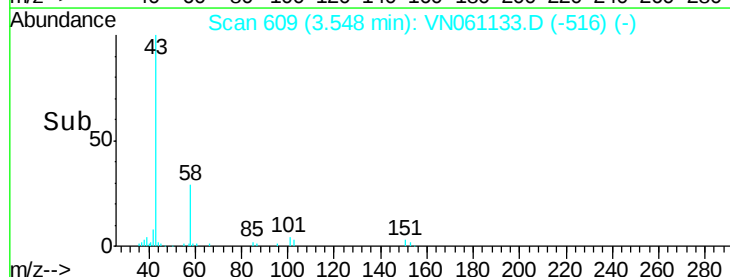
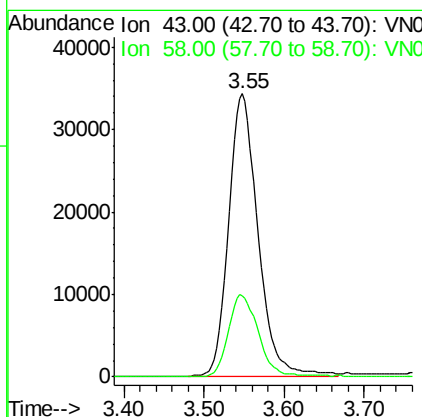
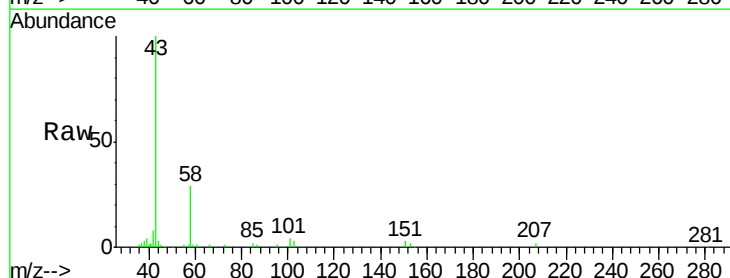
RT: 3.55 min Scan# 609

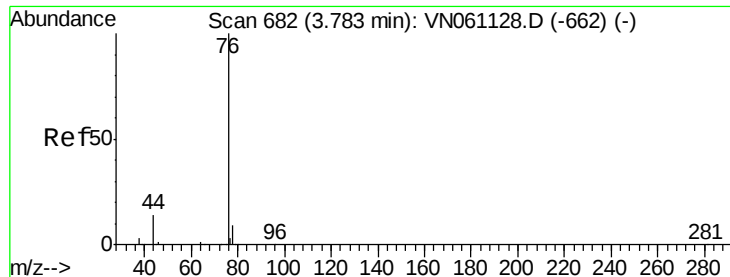
Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion:	43	Resp:	86237
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.6	35.4





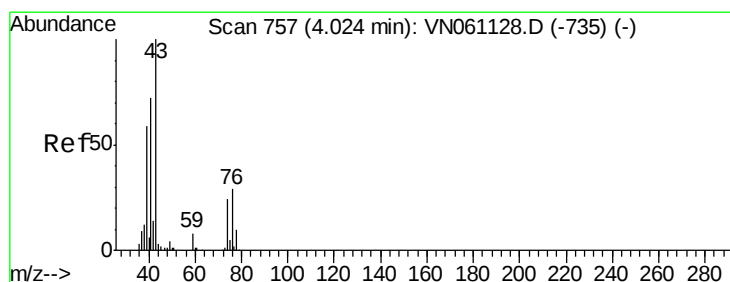
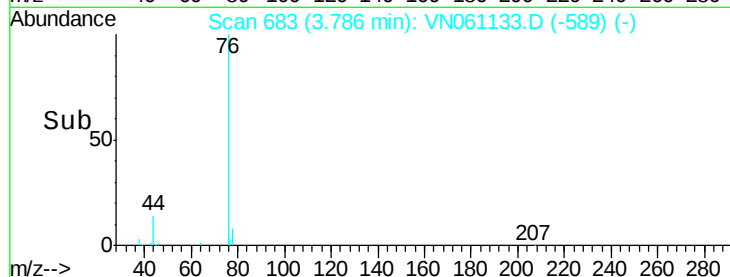
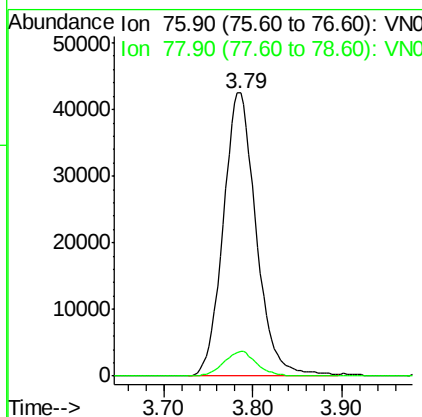
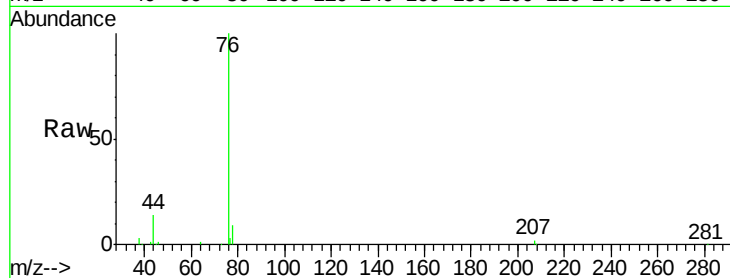
#17
Carbon Disulfide
Concen: 18.551 ug/l
RT: 3.79 min Scan# 683
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

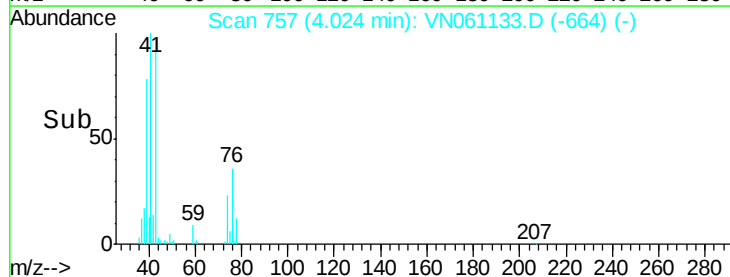
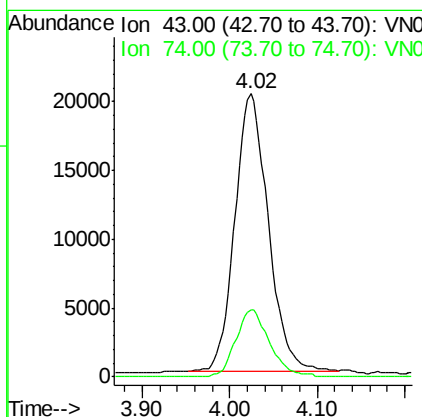
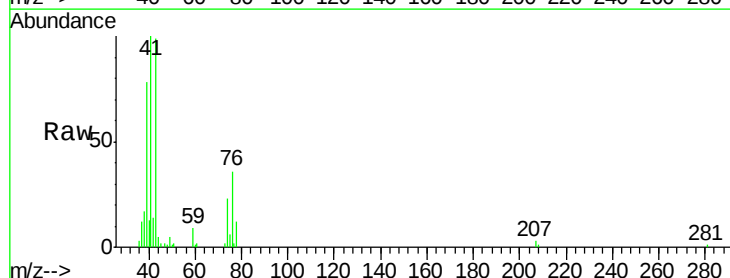
Manual Integrations
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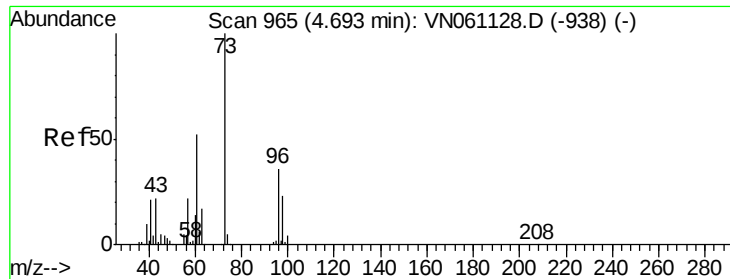
MMDadoda
4/23/2020 11:35:50 AM



#18
Methyl Acetate
Concen: 16.912 ug/l
RT: 4.02 min Scan# 757
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.4	29.0





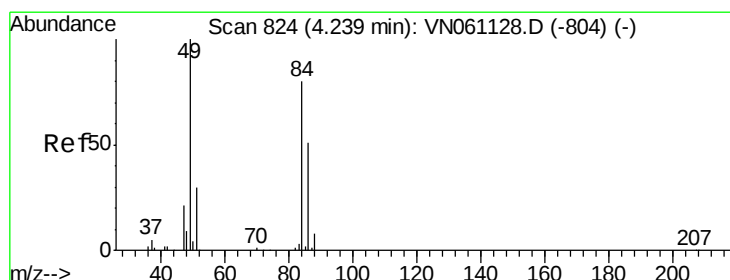
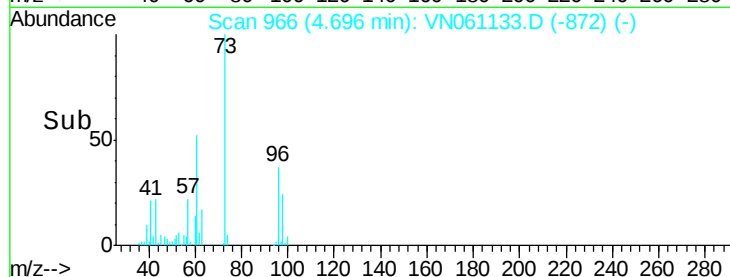
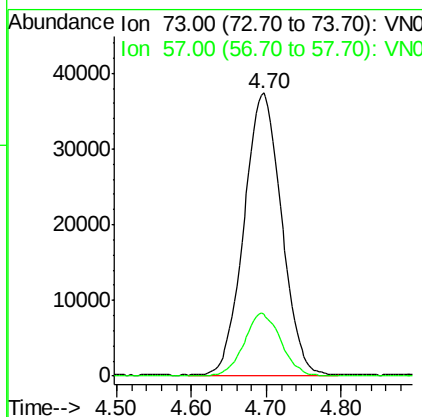
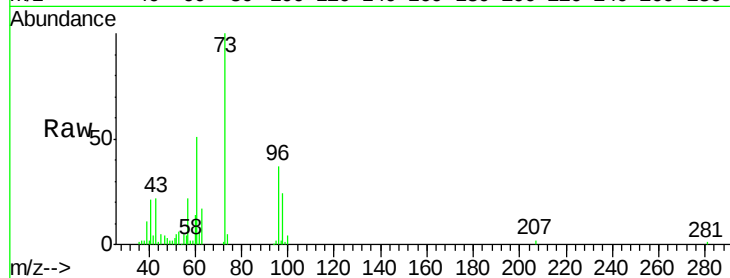
#19
Methyl tert-butyl Ether
Concen: 18.727 ug/l
RT: 4.70 min Scan# 966
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.8

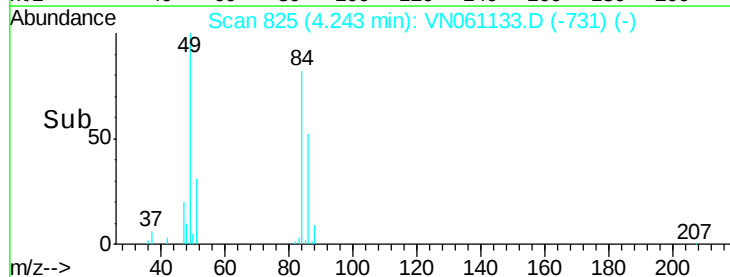
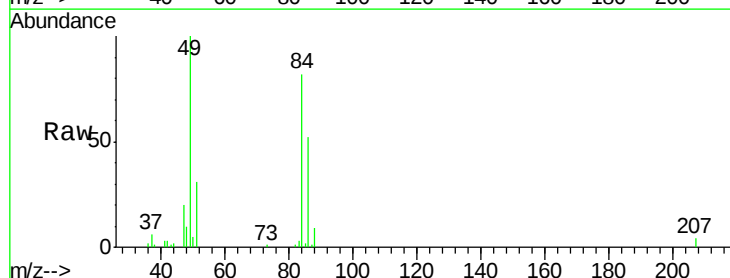
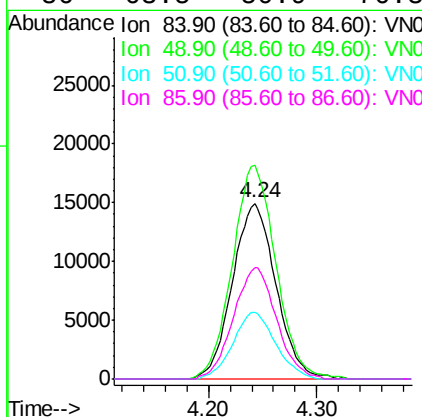
Manual Integrations
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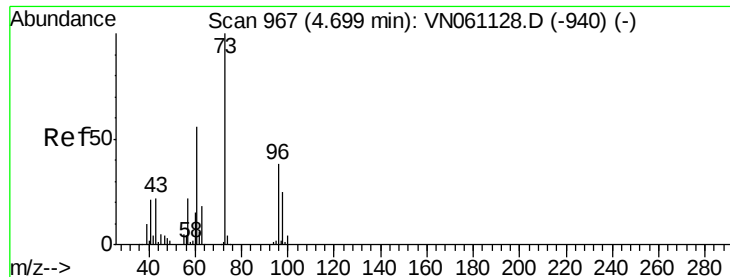
MMDadoda
4/23/2020 11:35:50 AM



#20
Methylene Chloride
Concen: 18.397 ug/l
RT: 4.24 min Scan# 825
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	99.8	149.6
51	38.2	29.9	44.9
86	63.5	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 17.800 ug/l

RT: 4.70 min Scan# 968

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

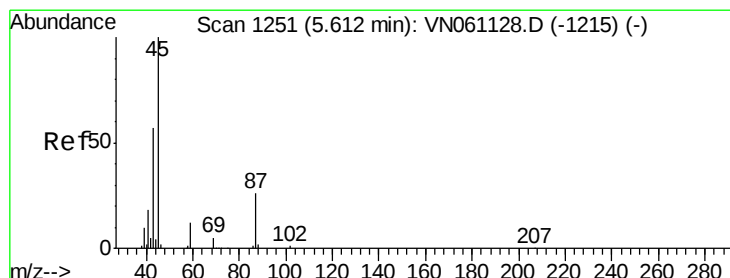
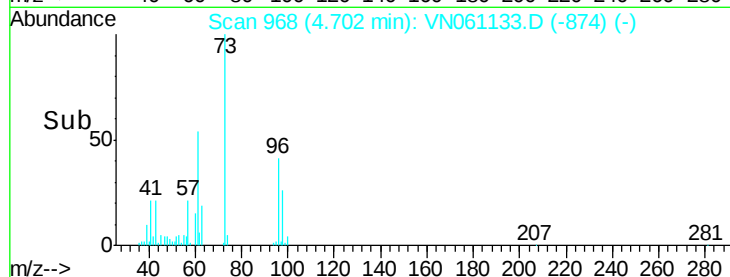
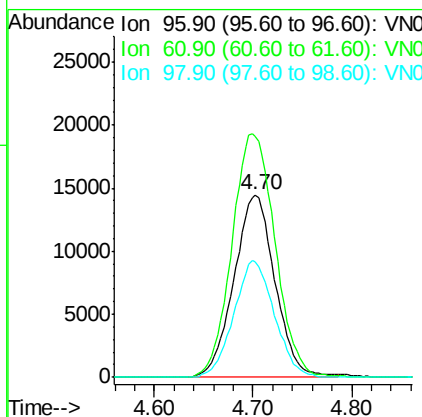
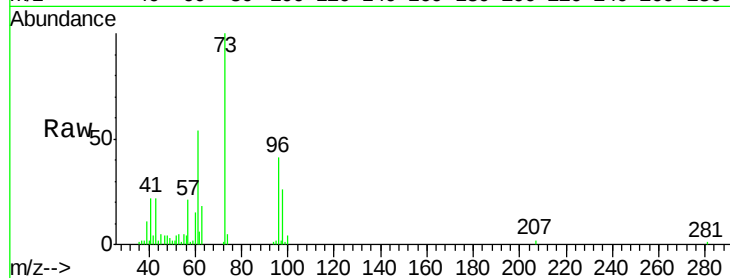
ClientSampleId :

VN0422WBS01

Tot Ion:	96	Resp:	41842
Ion	Ratio	Lower	Upper
96	100		
61	131.9	116.4	174.6
98	63.3	51.4	77.2

Manual Integrations
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4/23/2020 11:35:50 AM



#22

Diisopropyl ether

Concen: 18.763 ug/l

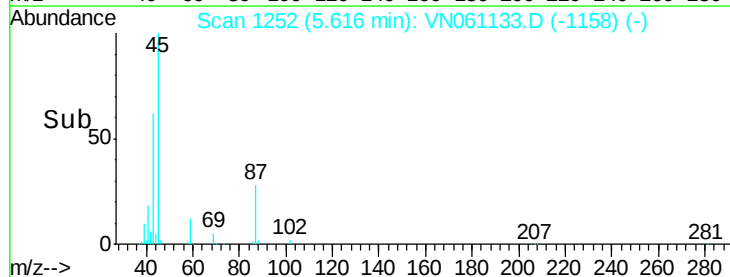
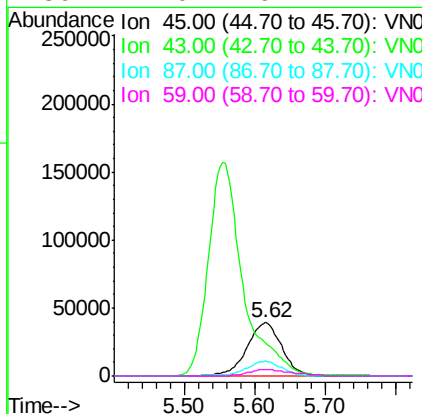
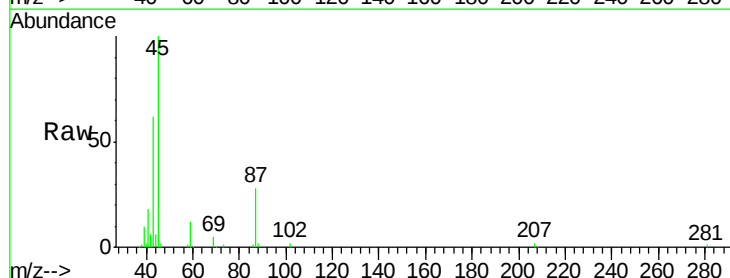
RT: 5.62 min Scan# 1252

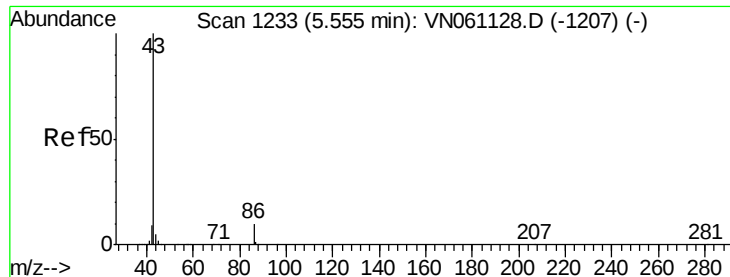
Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion:	45	Resp:	134682
Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.4	72.6
87	27.8	21.4	32.0
59	12.0	9.4	14.2





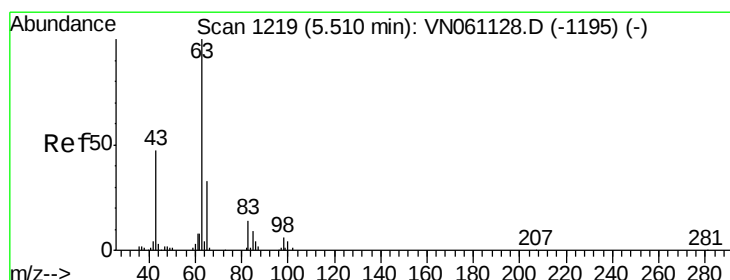
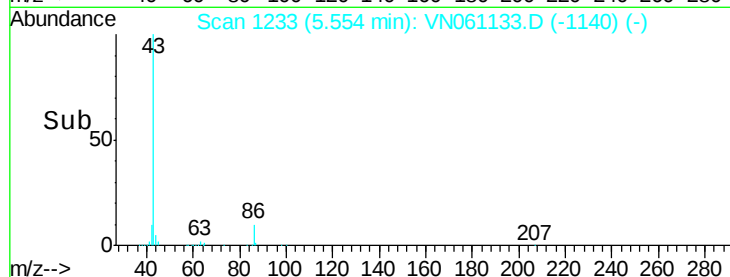
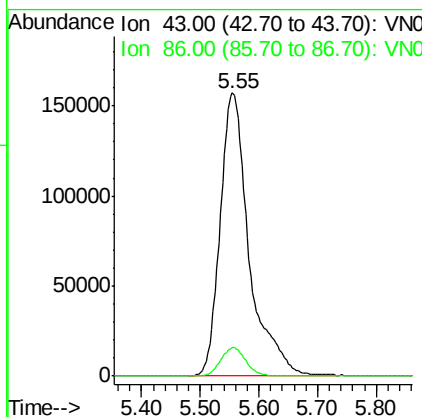
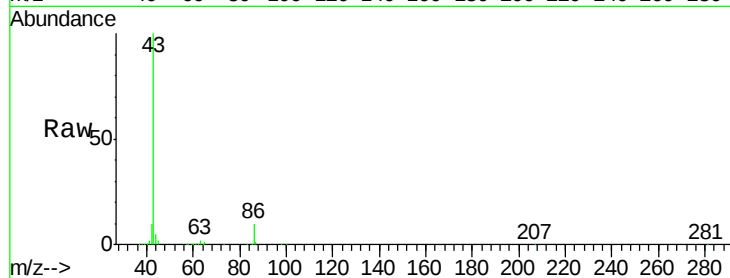
#23
 Vinyl Acetate
 Concen: 93.834 ug/l
 RT: 5.55 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	43	Resp	539774
Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

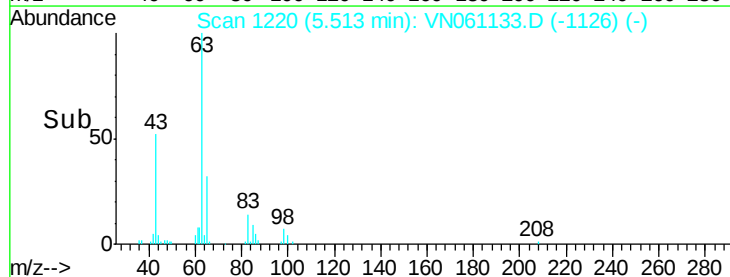
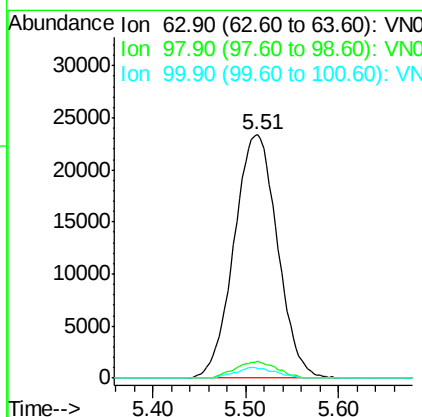
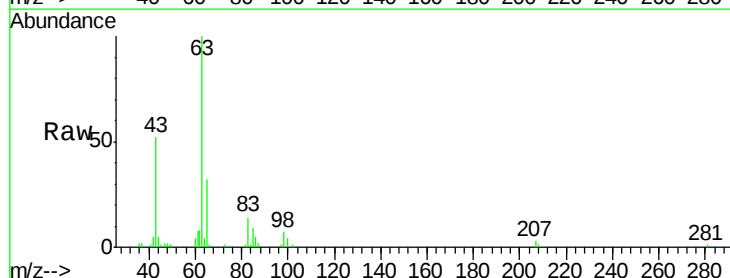
Manual Integrations
 APPROVED

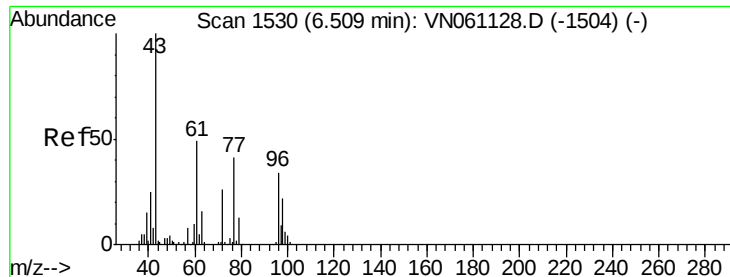
MMDadoda
 4/23/2020 11:35:50 AM



#24
 1,1-Dichloroethane
 Concen: 19.068 ug/l
 RT: 5.51 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	63	Resp	75738
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.8
100	4.0	2.0	6.0





#25

2-Butanone

Concen: 86.696 ug/l

RT: 6.51 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 122930

Ion Ratio Lower Upper

43 100

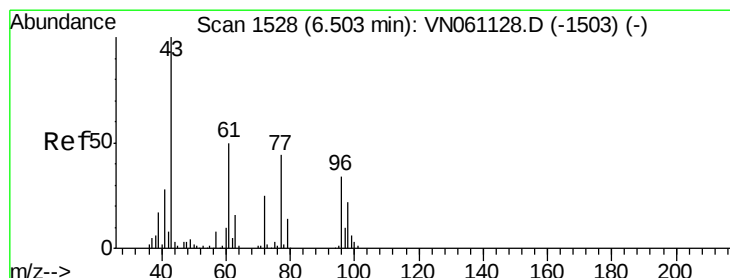
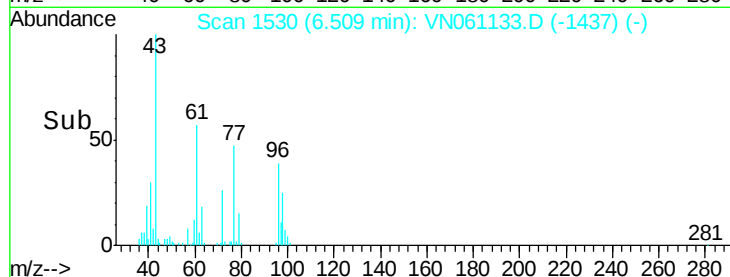
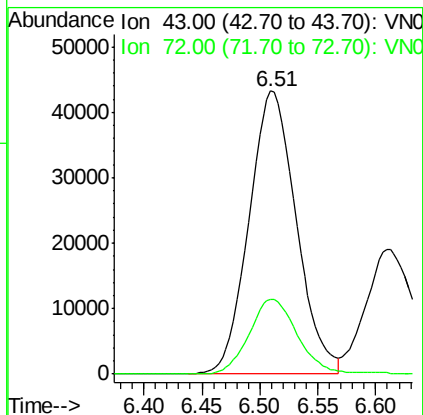
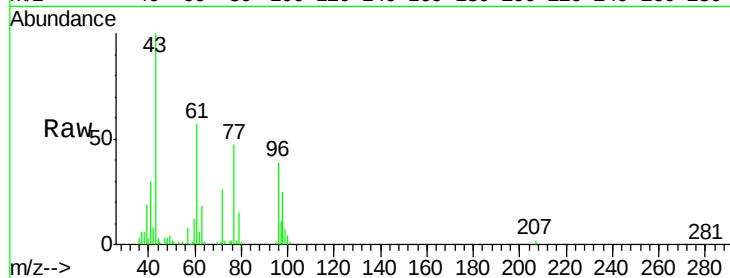
72 26.3 20.8 31.2

Manual Integrations

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4/23/2020 11:35:50 AM



#26

2,2-Dichloropropane

Concen: 19.284 ug/l

RT: 6.50 min Scan# 1527

Delta R.T. -0.00 min

Lab File: VN061133.D

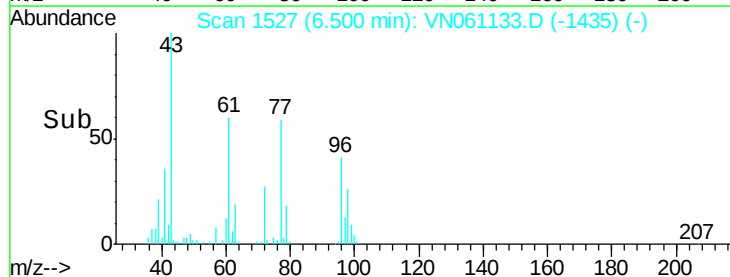
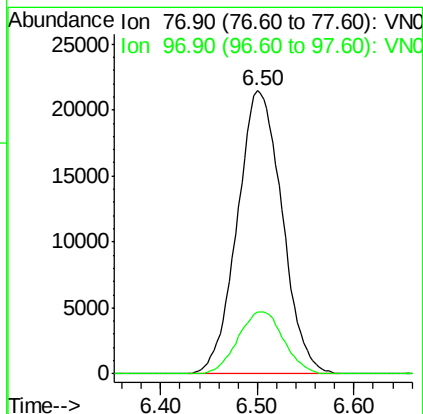
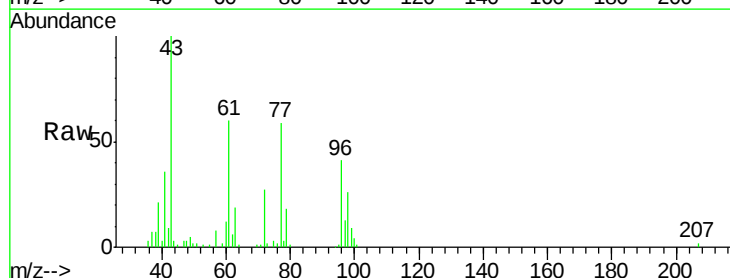
Acq: 22 Apr 2020 17:39

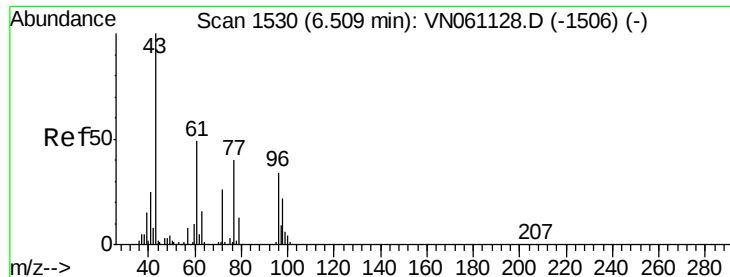
Tgt Ion: 77 Resp: 68978

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.1





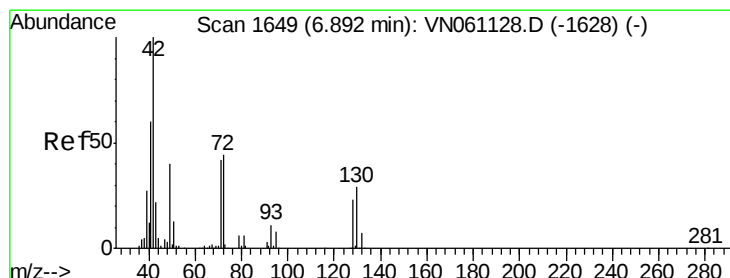
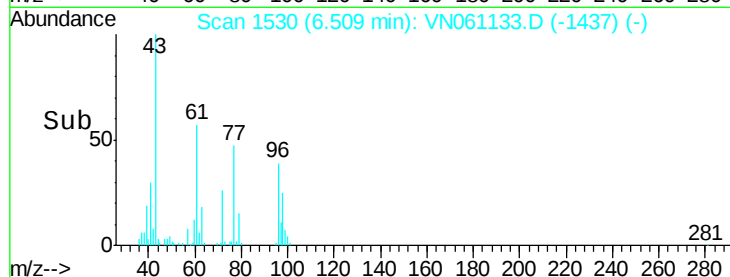
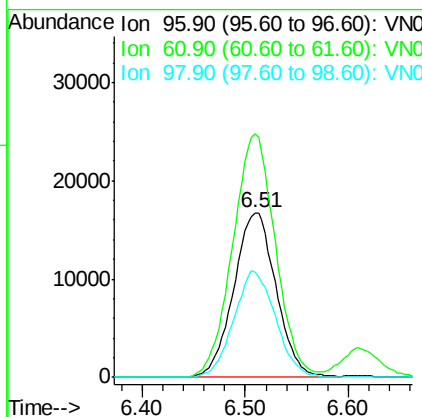
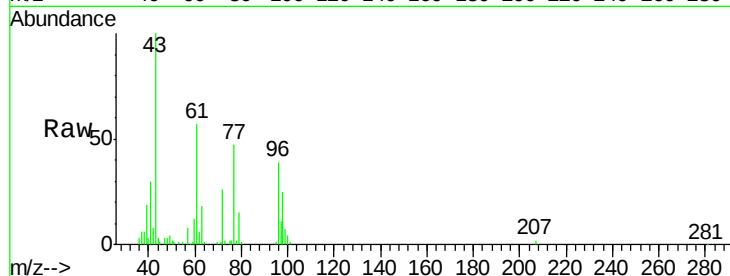
#27
 cis-1,2-Dichloroethene
 Concen: 18.339 ug/l
 RT: 6.51 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	300.4
98	63.5	0.0	129.6

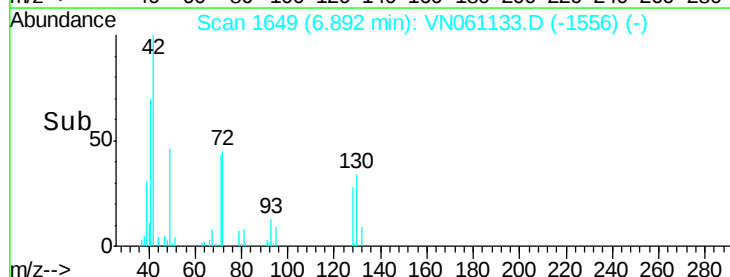
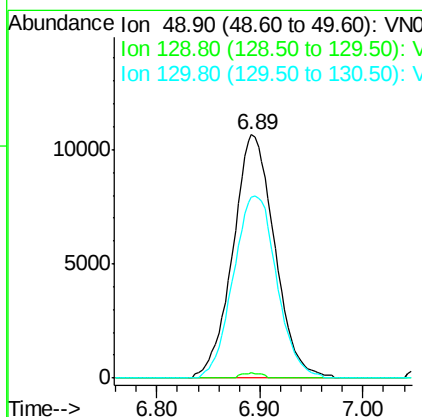
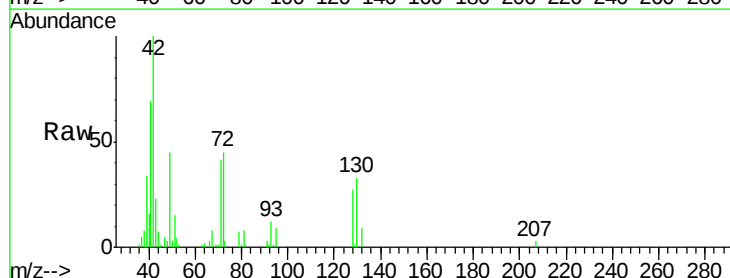
Manual Integrations
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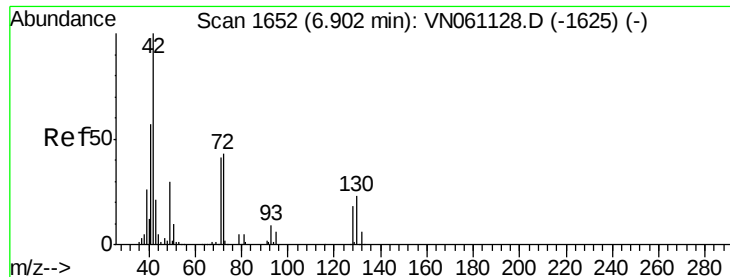
MMDadoda
 4/23/2020 11:35:50 AM



#28
 Bromochloromethane
 Concen: 17.614 ug/l
 RT: 6.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.2
130	77.6	59.7	89.5





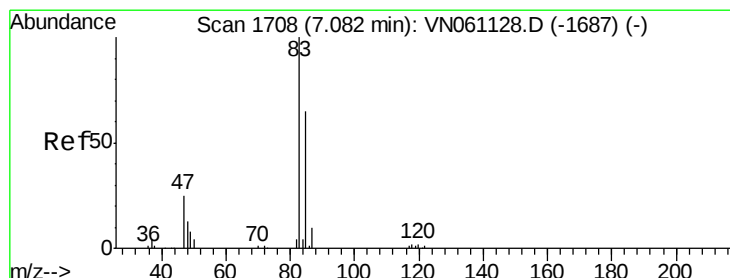
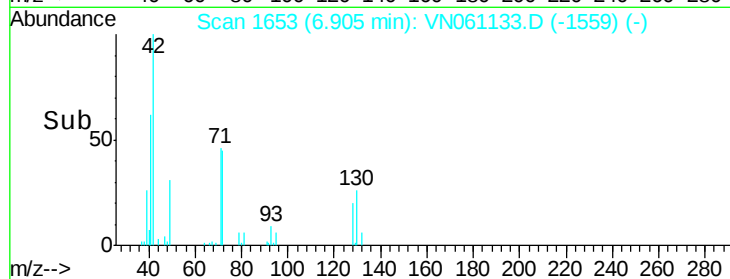
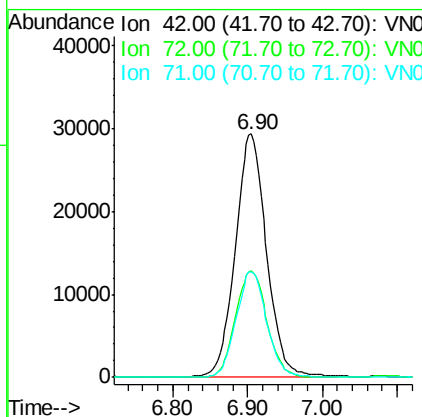
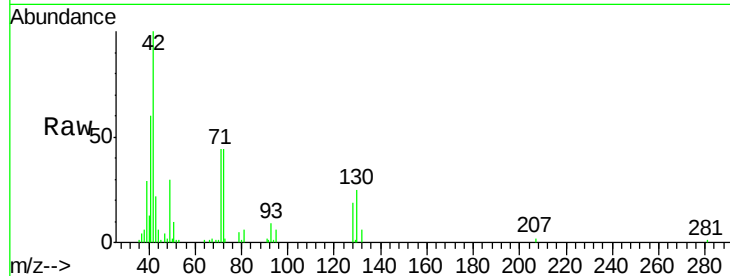
#29
Tetrahydrofuran
Concen: 87.430 ug/l
RT: 6.90 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.1	52.7
71	42.4	33.0	49.6

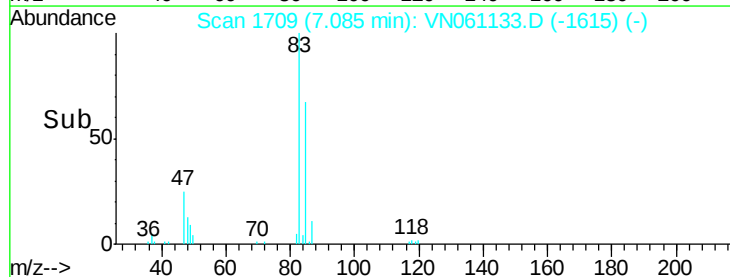
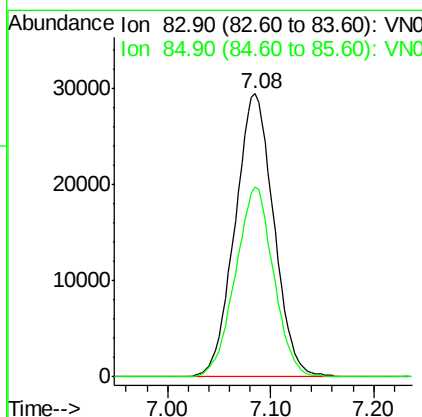
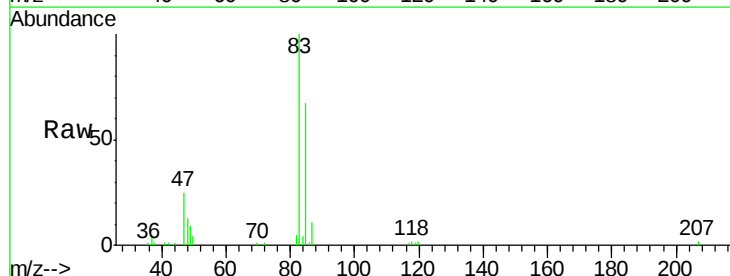
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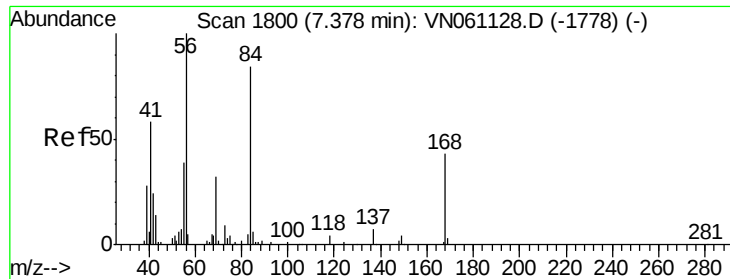
MMDadoda
4/23/2020 11:35:50 AM



#30
Chloroform
Concen: 19.185 ug/l
RT: 7.08 min Scan# 1709
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.2	78.4





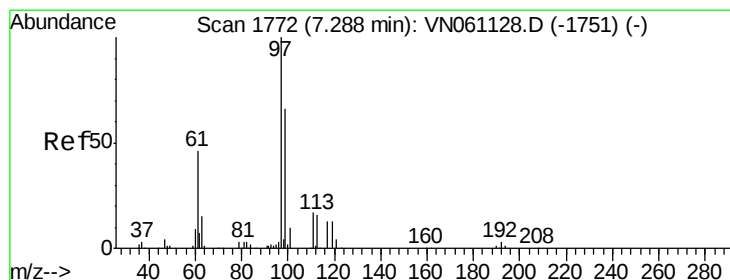
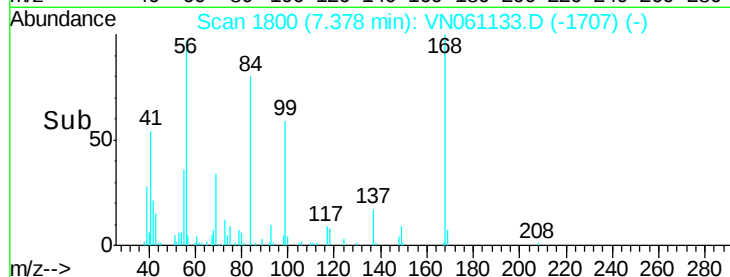
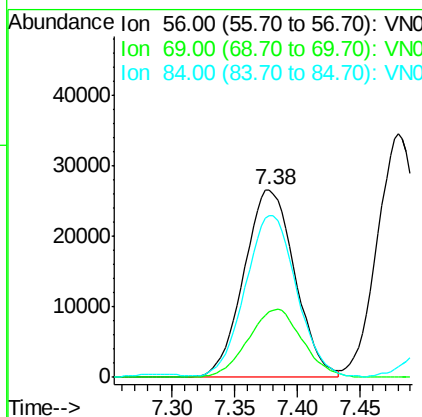
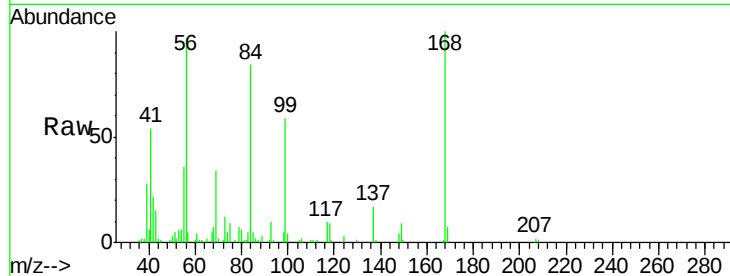
#31
Cyclohexane
Concen: 18.830 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.9	38.9
84	85.7	67.4	101.0

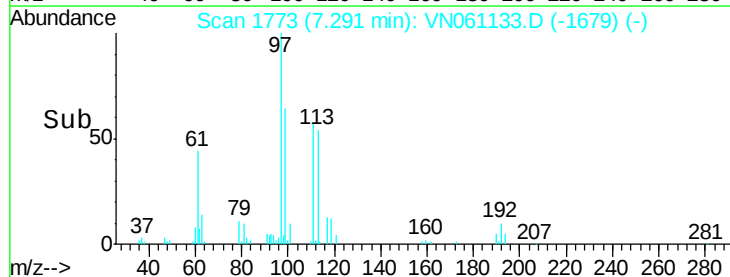
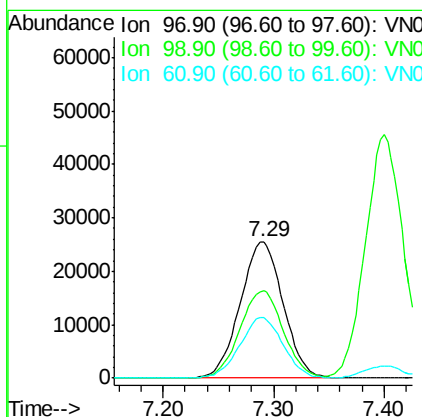
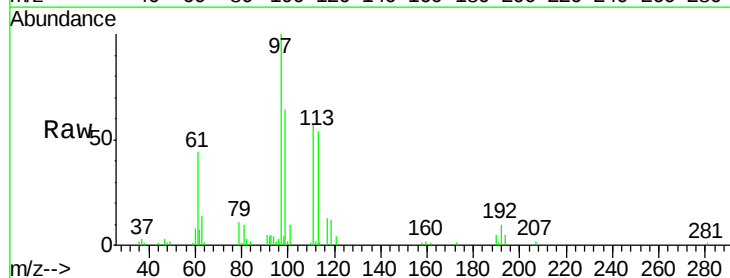
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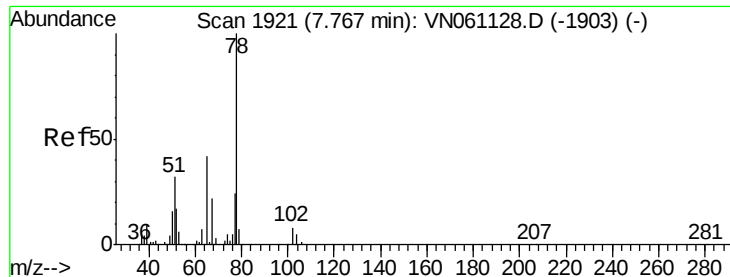
MMDadoda
4/23/2020 11:35:50 AM



#32
1,1,1-Trichloroethane
Concen: 19.208 ug/l
RT: 7.29 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	44.6	35.9	53.9





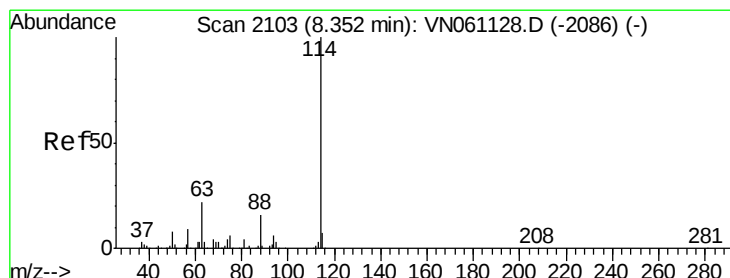
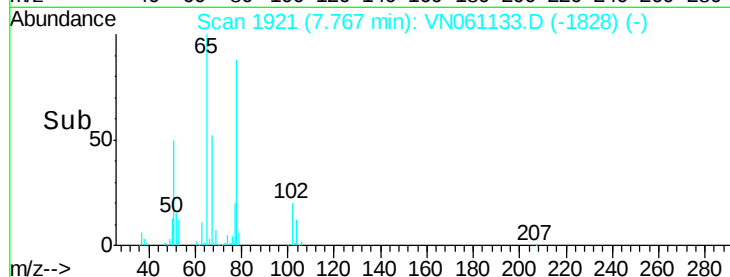
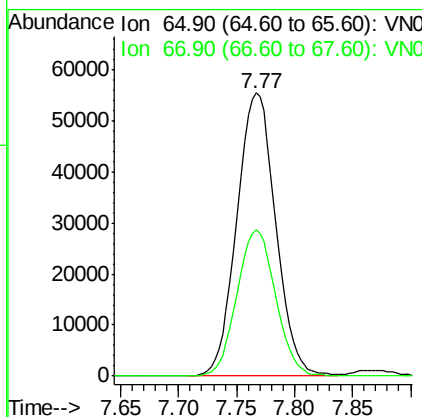
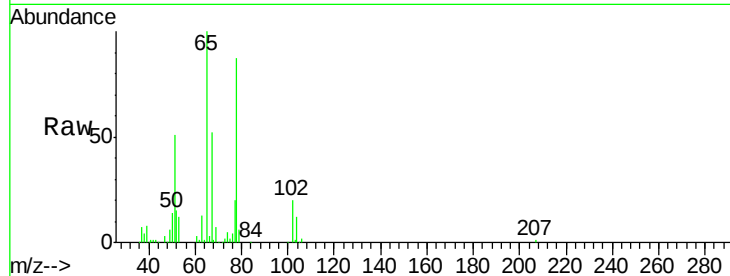
#33
 1,2-Dichloroethane-d4
 Concen: 49.668 ug/l
 RT: 7.77 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	105.8	

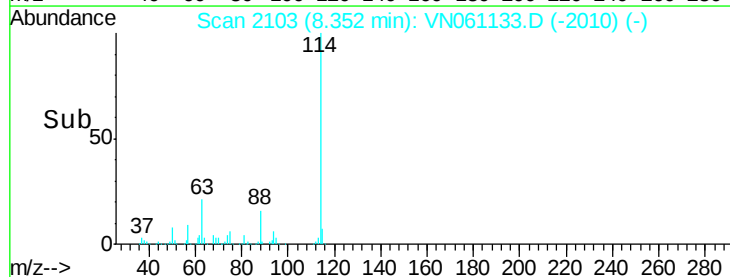
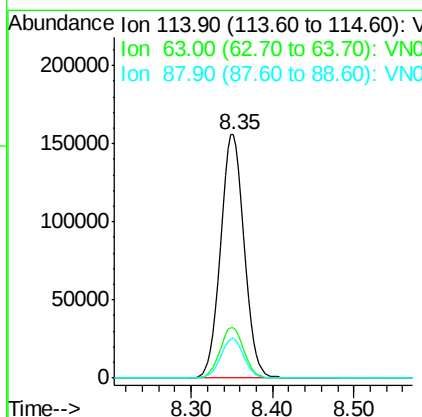
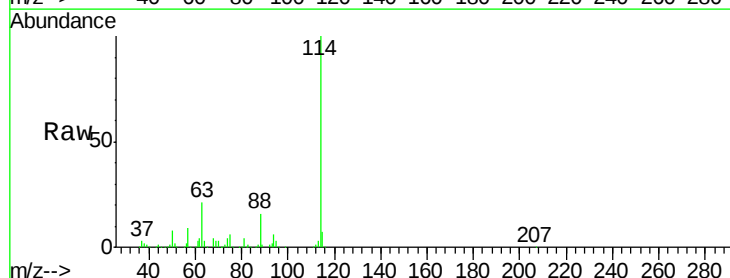
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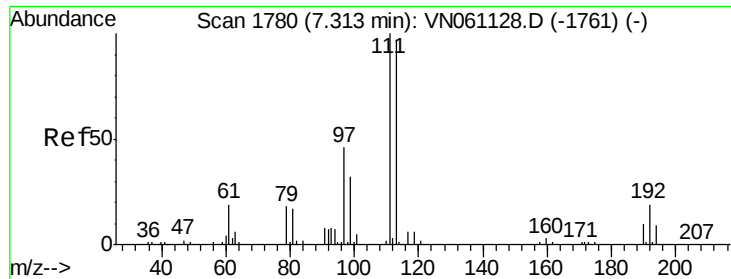
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2103
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	43.2	
88	16.4	0.0	32.4	





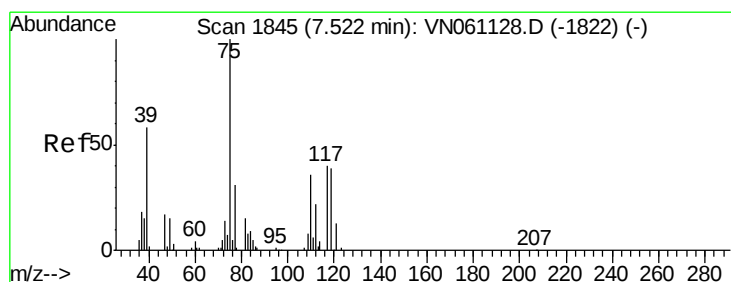
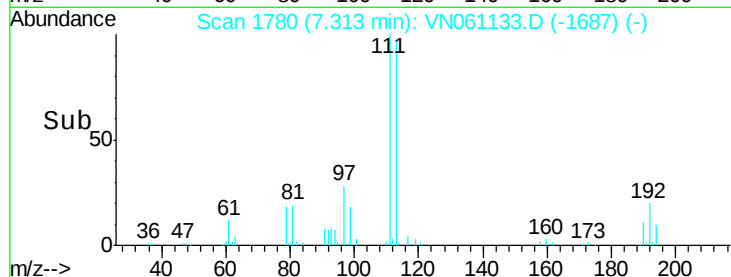
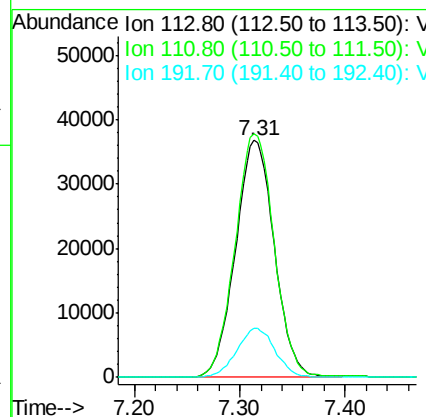
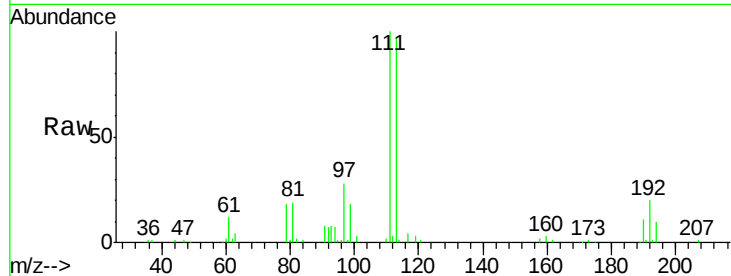
#35
 Dibromofluoromethane
 Concen: 51.387 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	94052		
111	103.2	83.0	124.6	
192	20.3	15.8	23.6	

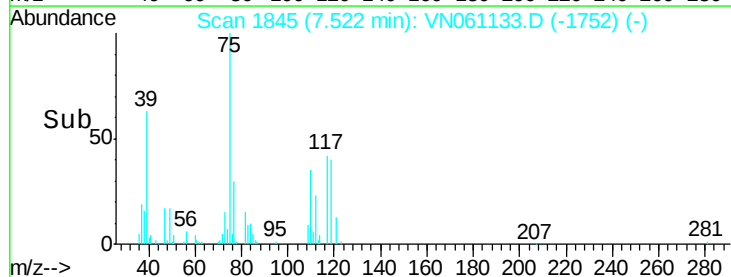
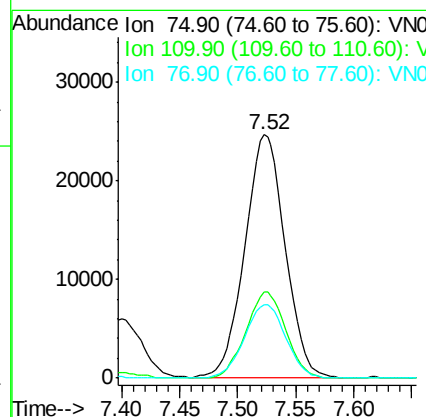
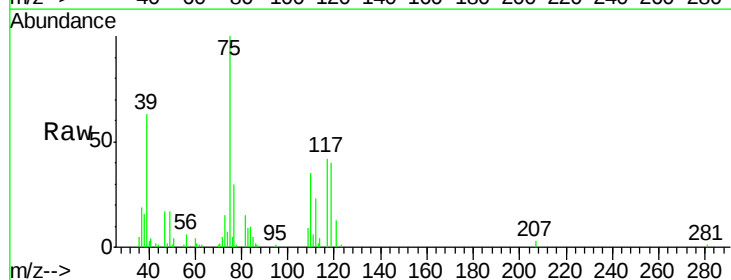
Manual Integrations
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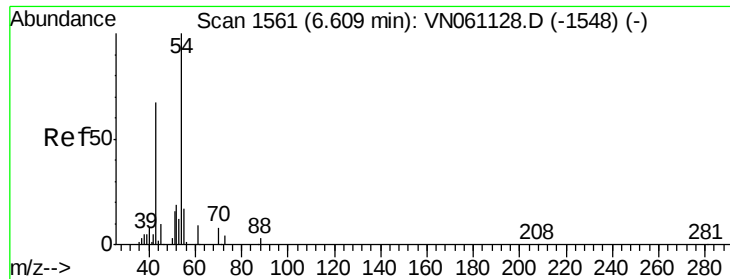
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#36
 1,1-Dichloropropene
 Concen: 19.076 ug/l
 RT: 7.52 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59792		
110	34.8	17.7	53.1	
77	31.0	24.8	37.2	





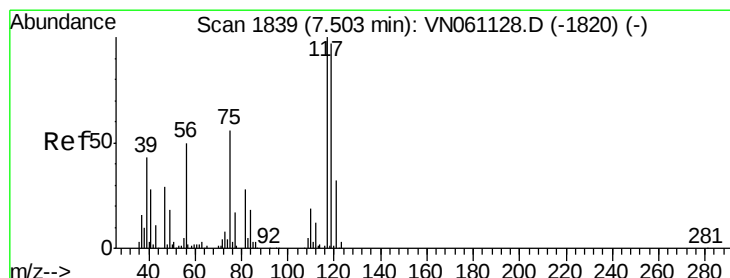
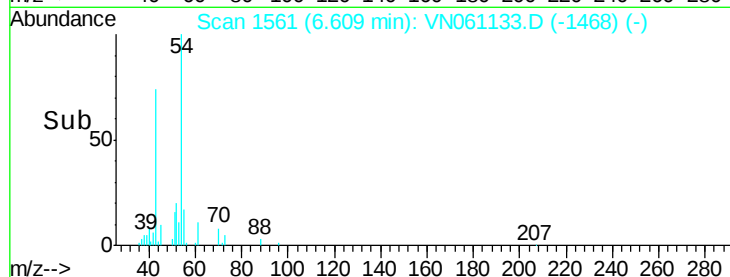
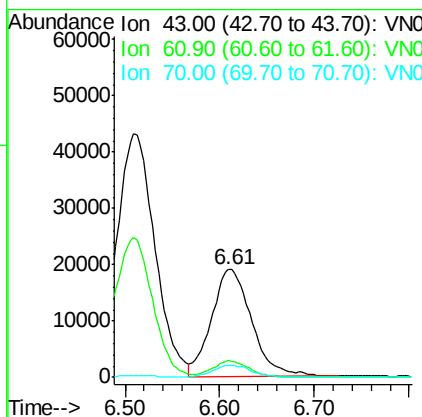
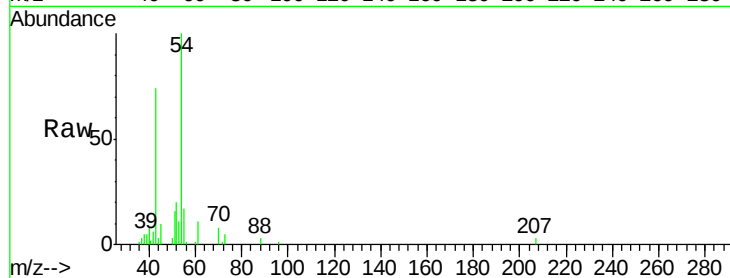
#37
Ethyl Acetate
Concen: 17.867 ug/l
RT: 6.61 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.6	8.2	12.4

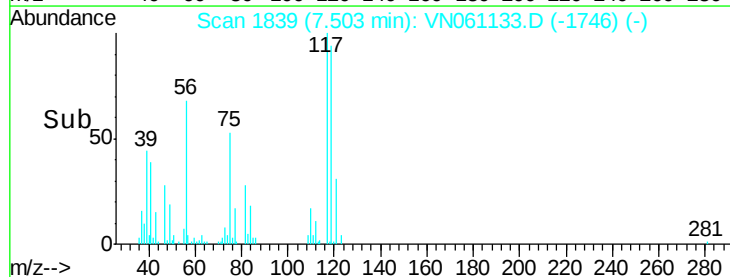
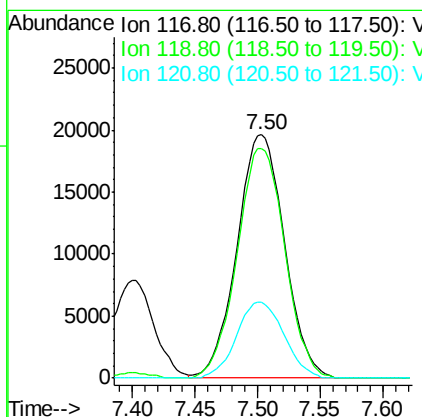
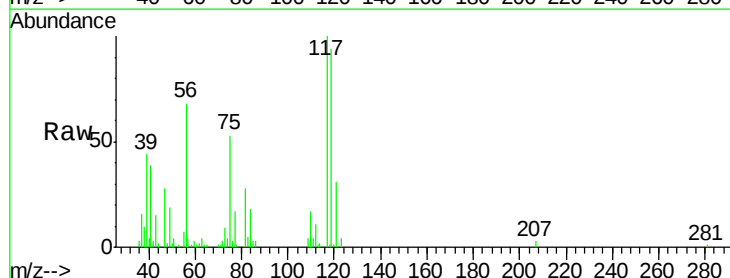
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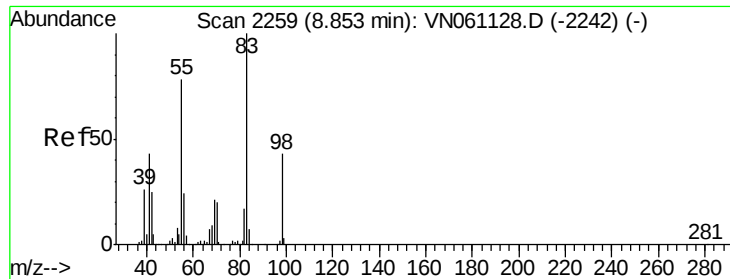
MMDadoda
4/23/2020 11:35:50 AM



#38
Carbon Tetrachloride
Concen: 18.839 ug/l
RT: 7.50 min Scan# 1839
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
121	31.0	25.0	37.6





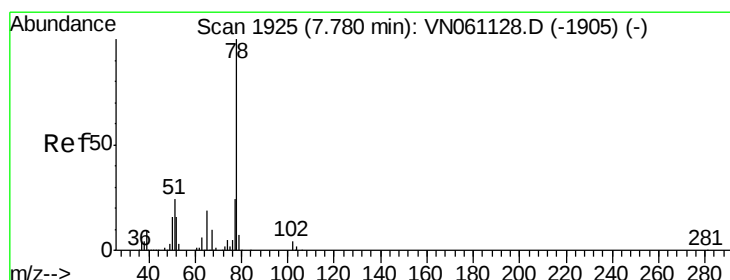
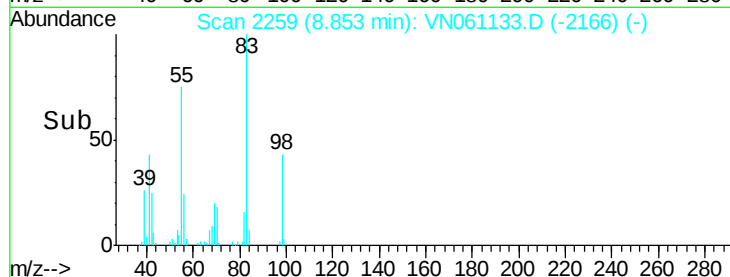
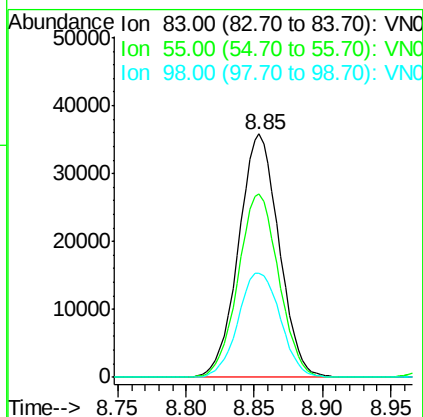
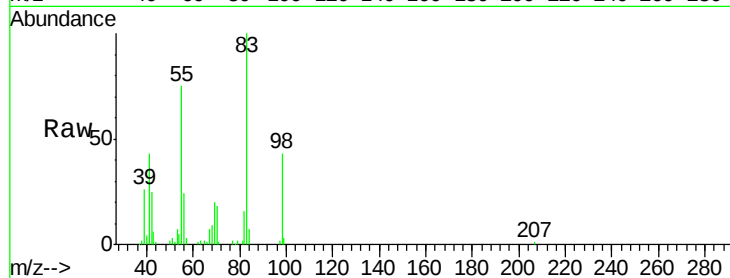
#39
Methvlcvclohexane
Concen: 19.204 ug/l
RT: 8.85 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	62.2	93.4
98	43.0	34.7	52.1

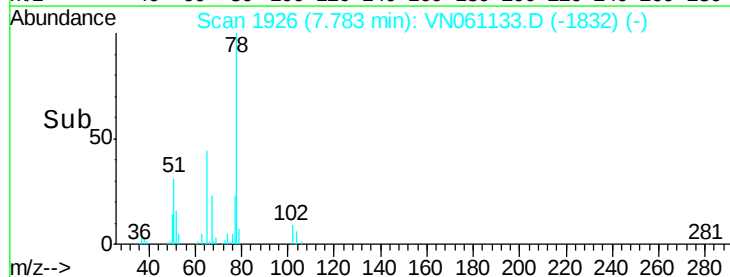
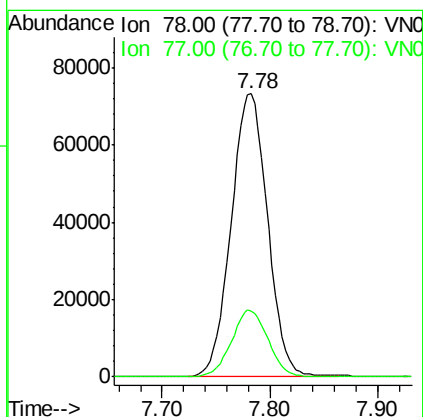
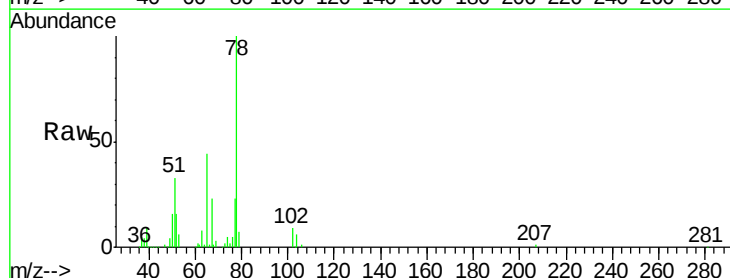
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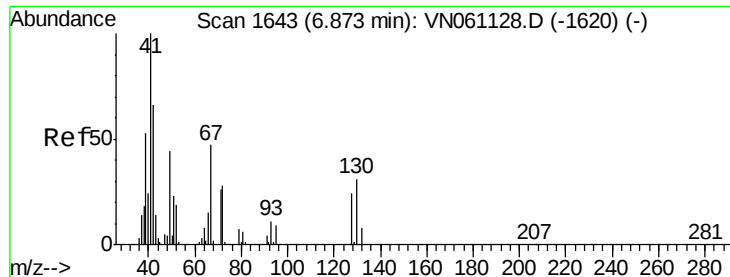
MMDadoda
4/23/2020 11:35:50 AM



#40
Benzene
Concen: 18.577 ug/l
RT: 7.78 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





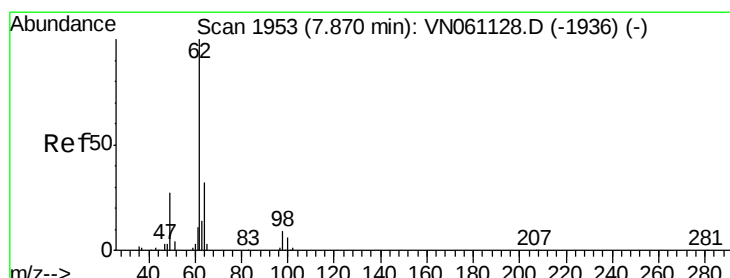
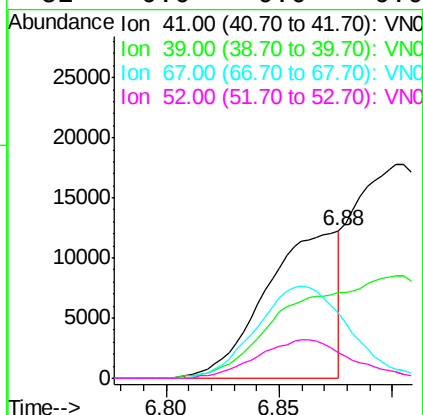
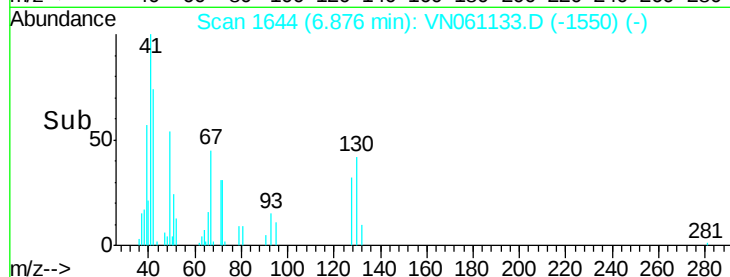
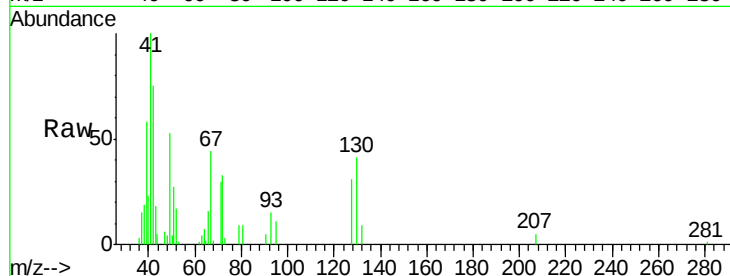
#41
Methacrylonitrile
Concen: 18.267 ug/l m
RT: 6.88 min Scan# 1644
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	41	Resp	27243
Ion	Ratio	Lower	Upper
41	100		
39	148.7	119.4	179.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

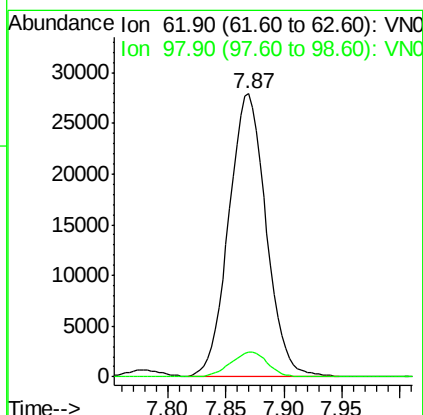
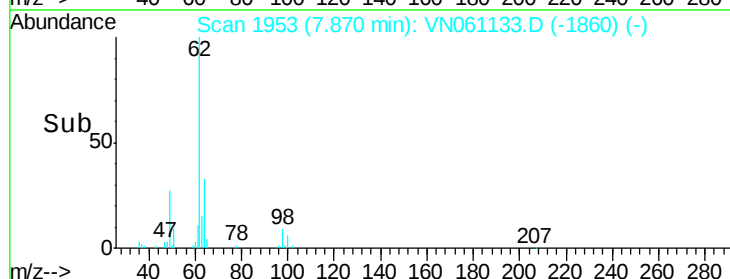
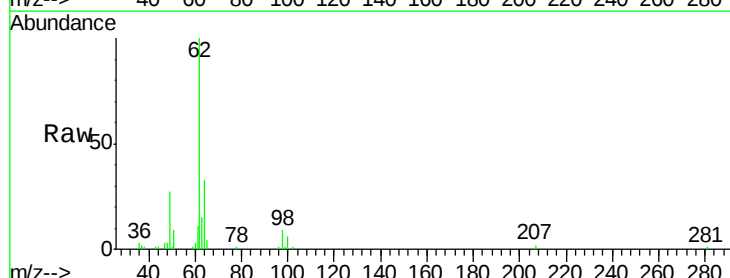
Manual Integrations
APPROVED

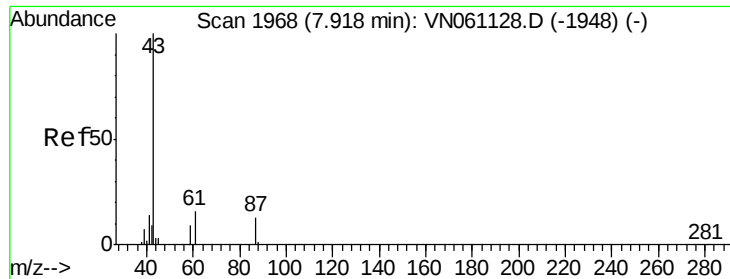
MMDadoda
4/23/2020 11:35:50 AM



#42
1,2-Dichloroethane
Concen: 18.956 ug/l
RT: 7.87 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	62	Resp	62686
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





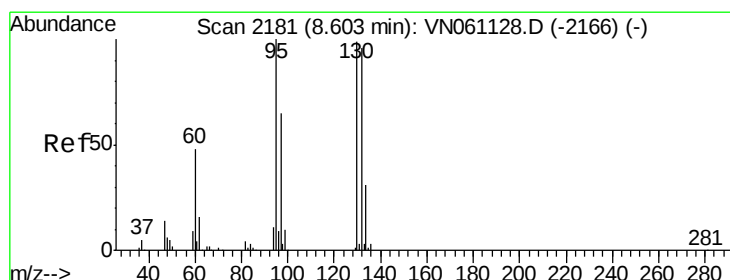
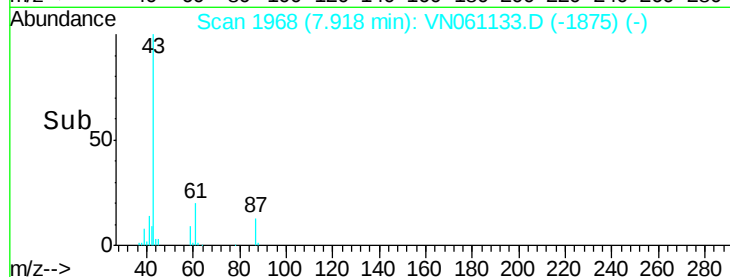
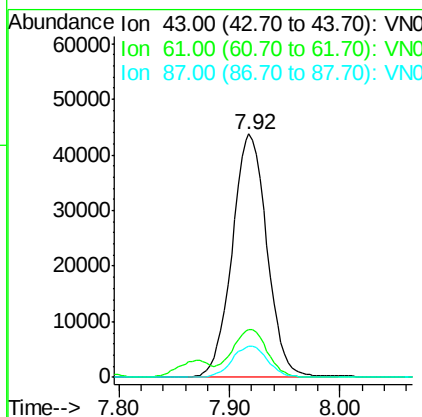
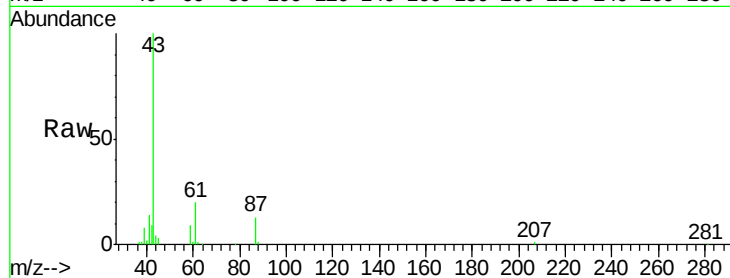
#43
Isopropyl Acetate
Concen: 17.943 ug/l
RT: 7.92 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.5	23.3
87	13.1	10.2	15.4

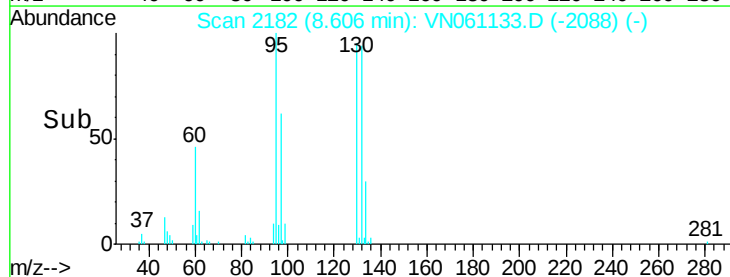
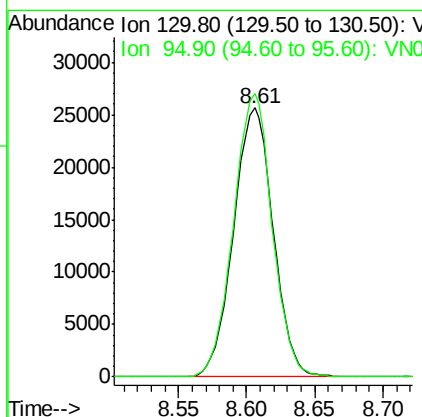
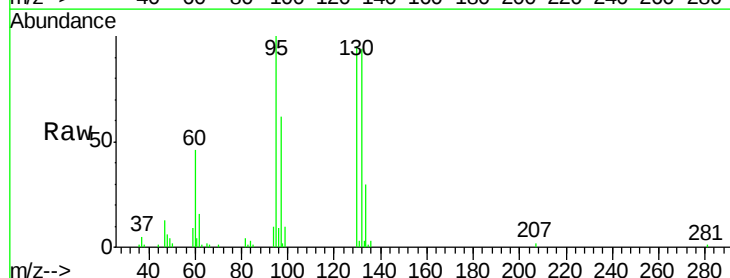
Manual Integrations
APPROVED

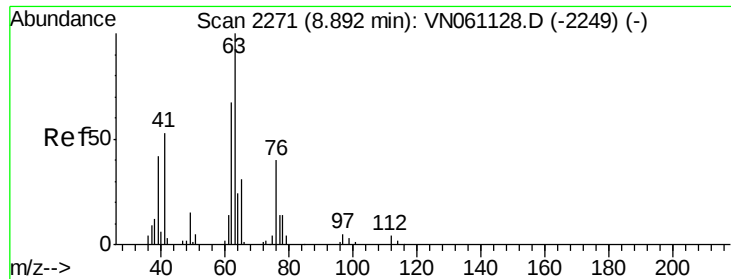
MMDadoda
4/23/2020 11:35:50 AM



#44
Trichloroethene
Concen: 19.175 ug/l
RT: 8.61 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	202.6





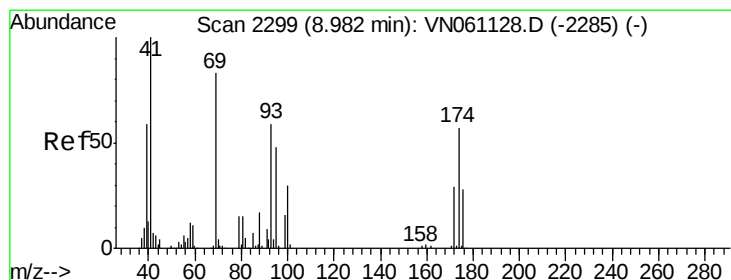
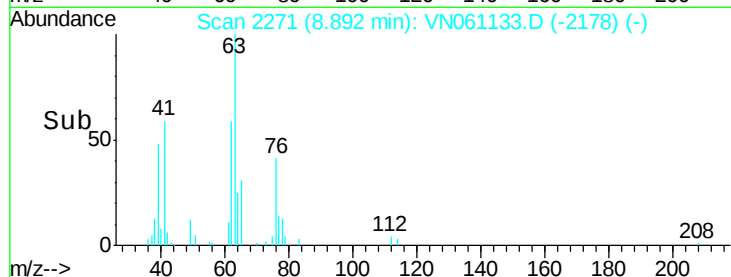
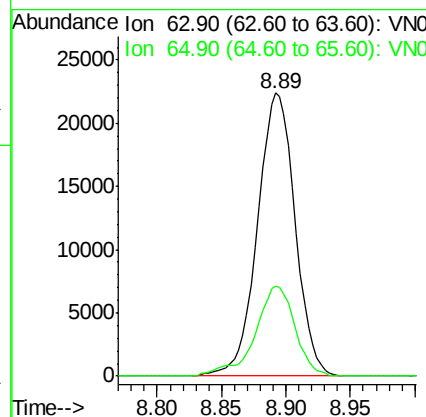
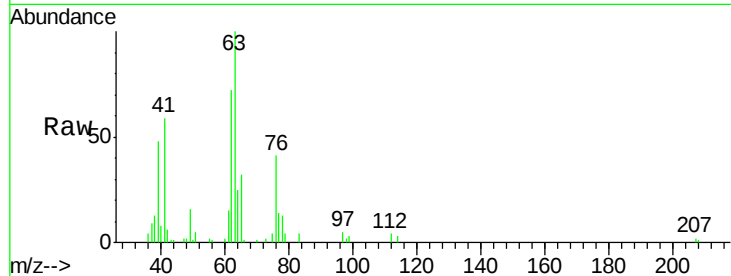
#45
 1,2-Dichloropropane
 Concen: 18.539 ug/l
 RT: 8.89 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.7	37.1

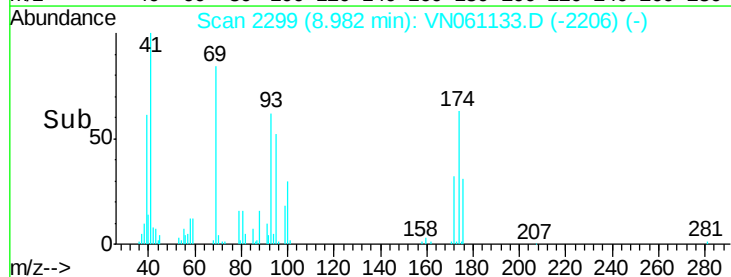
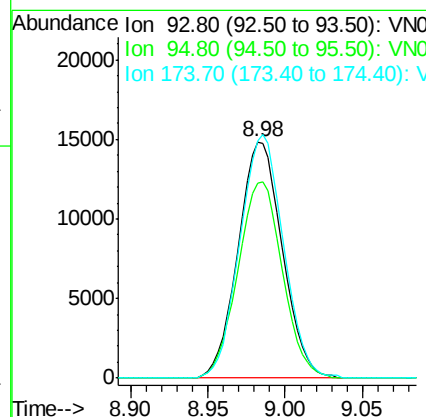
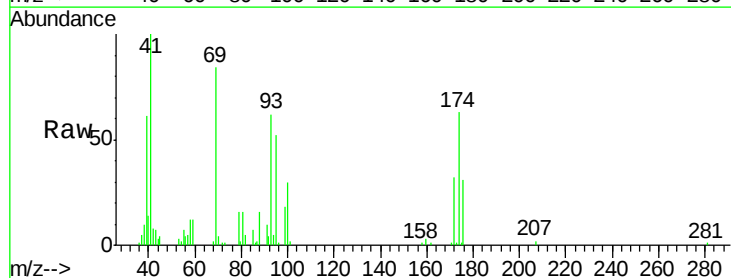
Manual Integrations
 APPROVED

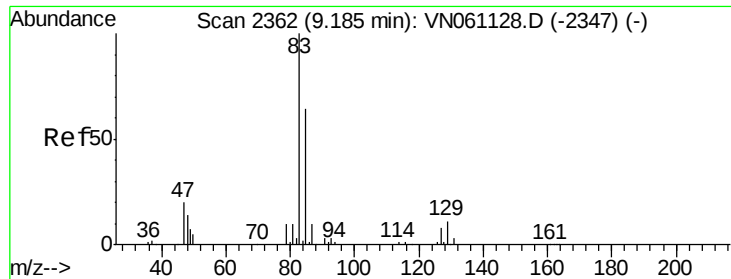
MMDadoda
 4/23/2020 11:35:50 AM



#46
 Dibromomethane
 Concen: 18.721 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.4
174	102.0	77.8	116.6





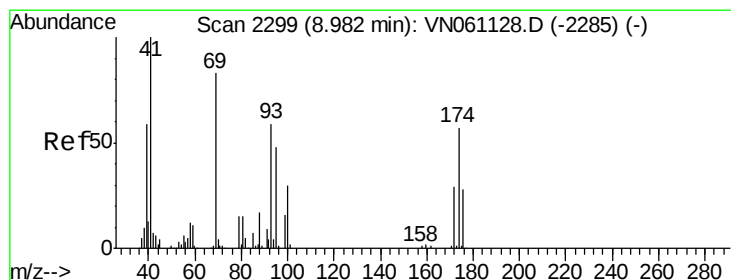
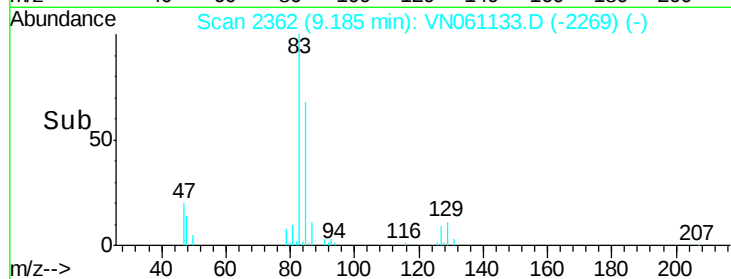
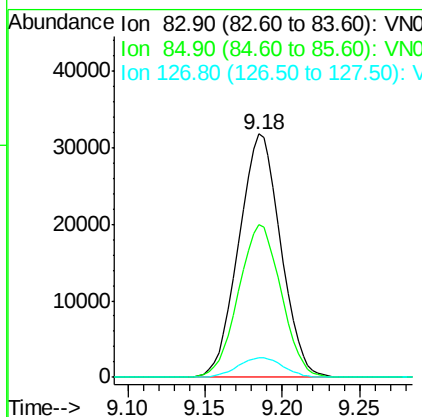
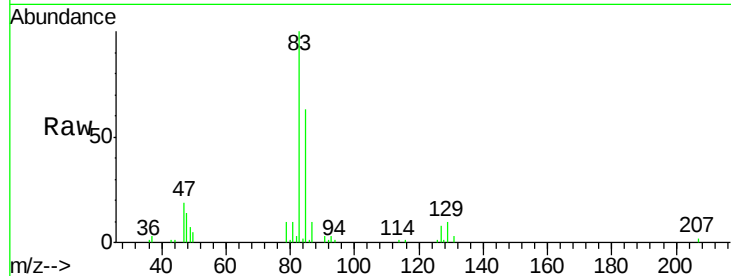
#47
 Bromodichloromethane
 Concen: 19.350 ug/l
 RT: 9.18 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	83	Resp	60017
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.4	77.2
127	7.9	6.6	10.0

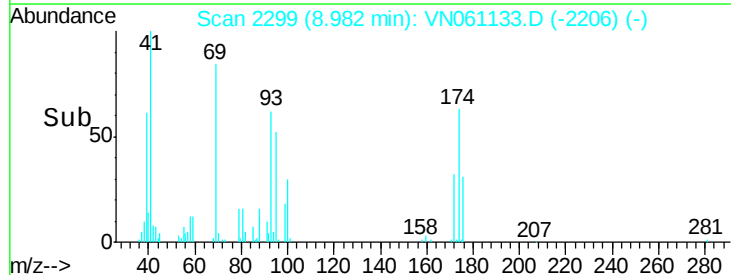
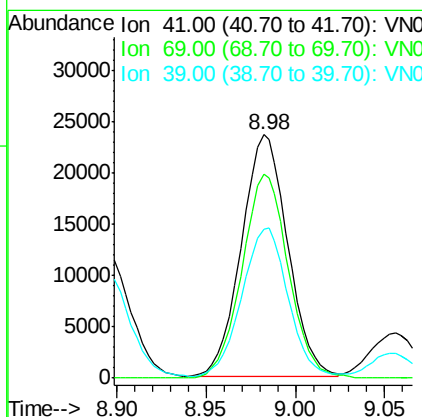
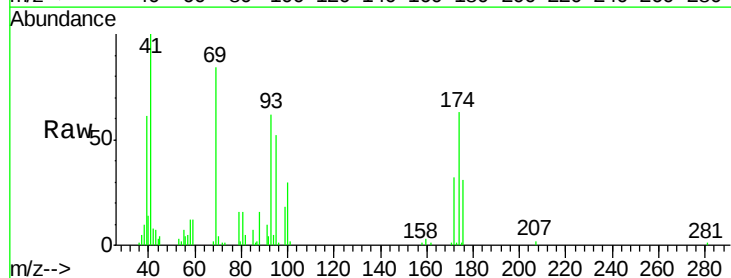
Manual Integrations
 APPROVED

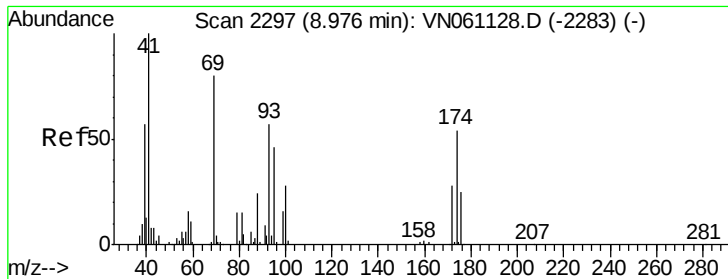
MMDadoda
 4/23/2020 11:35:50 AM



#48
 Methyl methacrylate
 Concen: 17.094 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	41	Resp	42942
Ion Ratio	100	Lower	Upper
41	100		
69	84.2	65.4	98.2
39	62.8	47.8	71.6





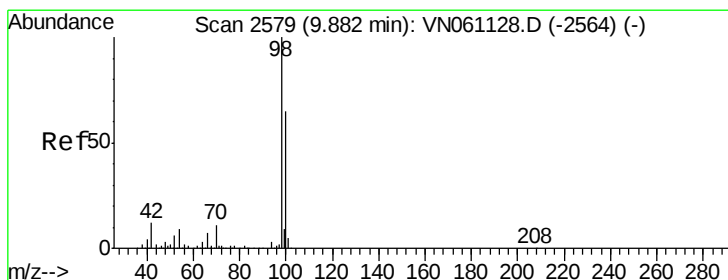
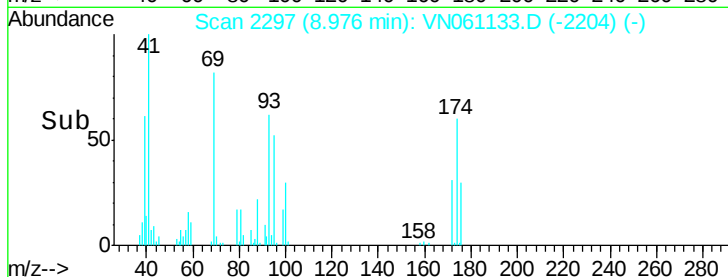
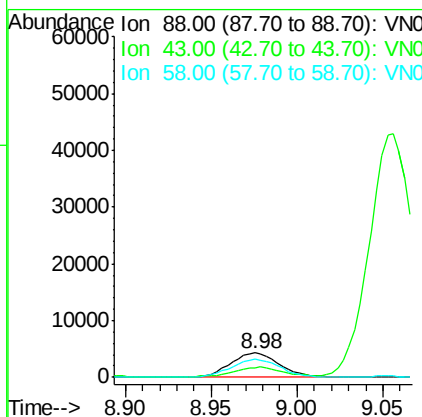
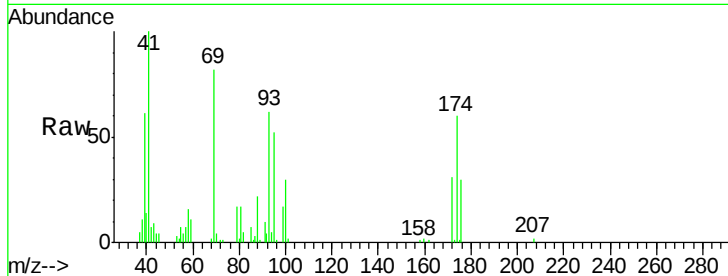
#49
1,4-Dioxane
Concen: 269.960 ug/l
RT: 8.98 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	29.0	43.4#
58	74.1	57.8	86.6

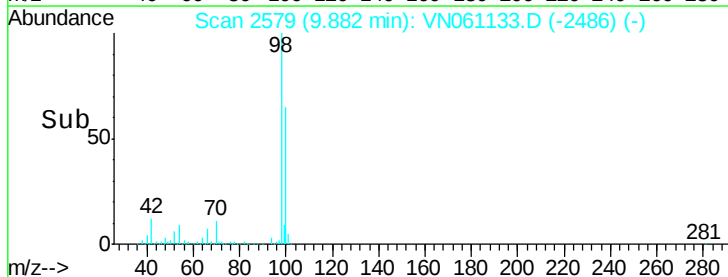
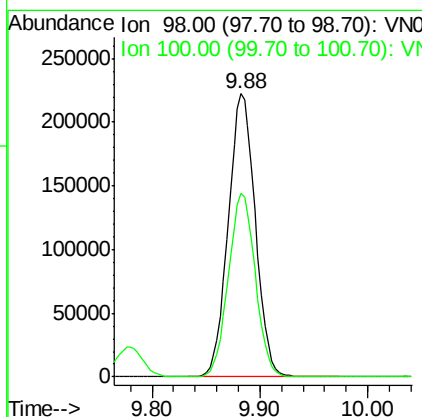
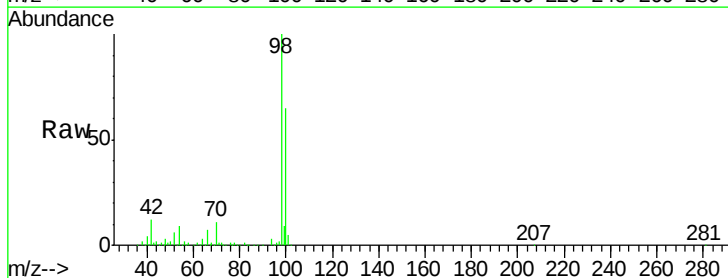
Manual Integrations
APPROVED

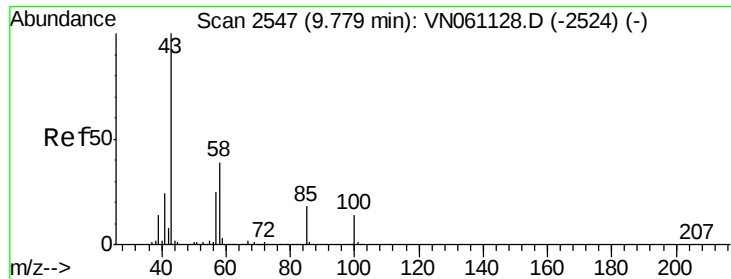
MMDadoda
4/23/2020 11:35:50 AM



#50
Toluene-d8
Concen: 49.574 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 89.219 ug/l

RT: 9.78 min Scan# 2547

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 277836

Ion Ratio Lower Upper

43 100

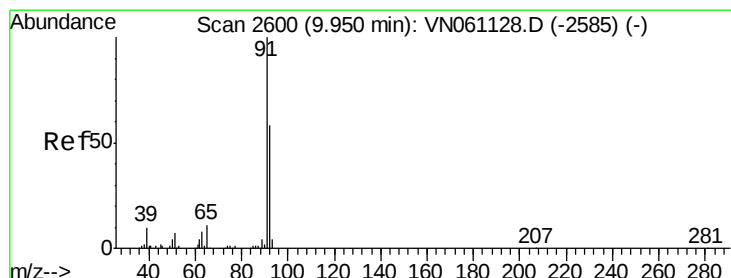
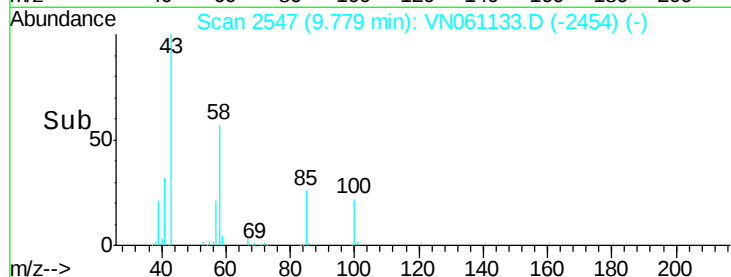
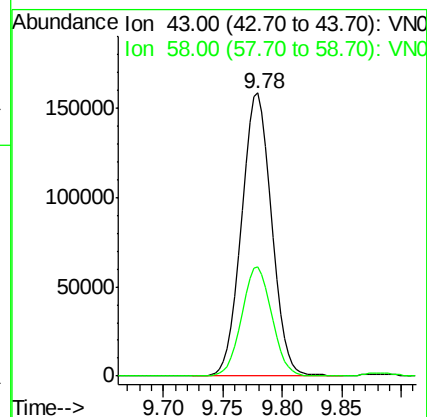
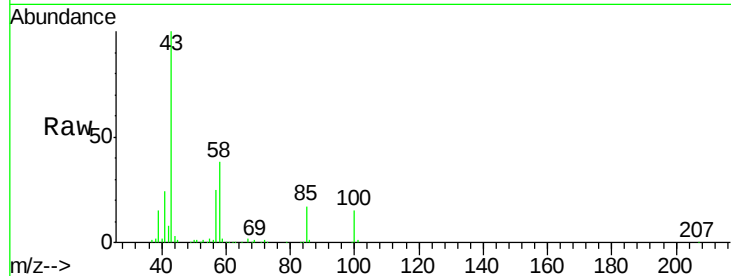
58 38.6 31.0 46.6

Manual Integrations

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MMDadoda

4/23/2020 11:35:50 AM



#52

Toluene

Concen: 18.939 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061133.D

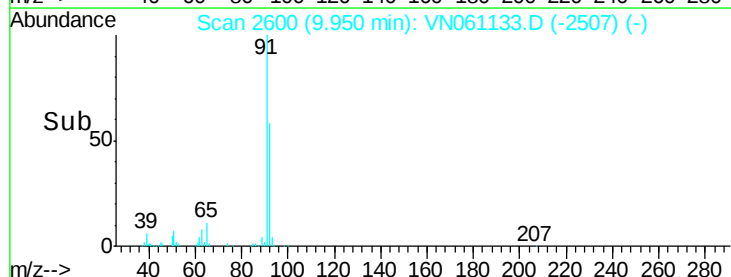
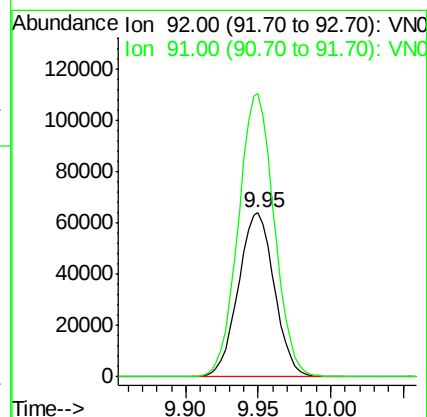
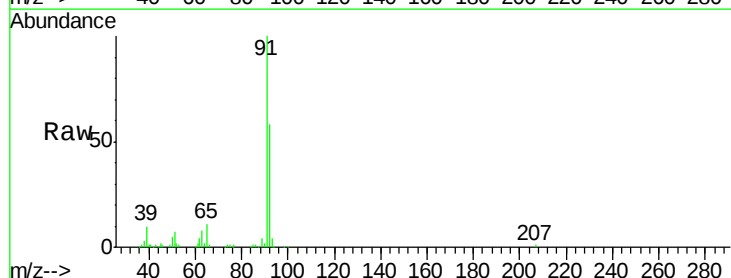
Acq: 22 Apr 2020 17:39

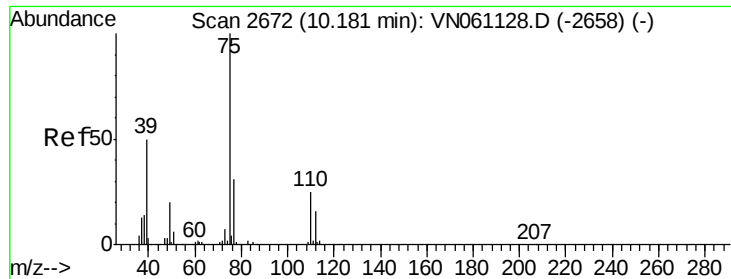
Tgt Ion: 92 Resp: 110038

Ion Ratio Lower Upper

92 100

91 172.5 138.3 207.5





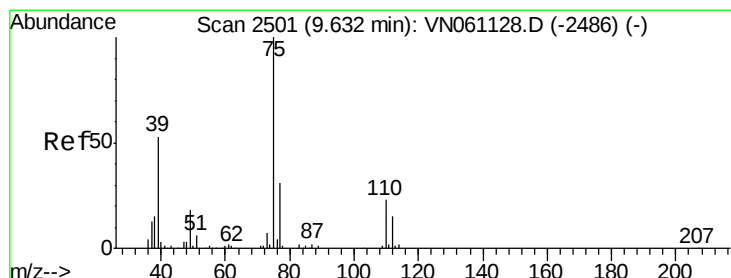
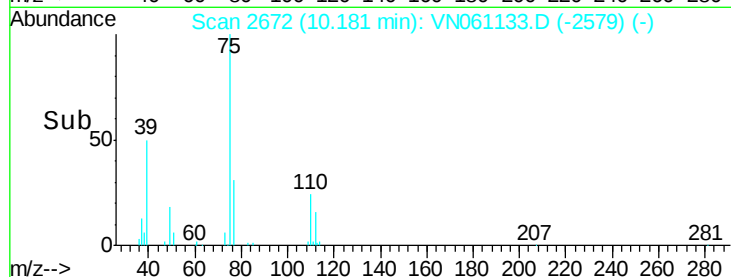
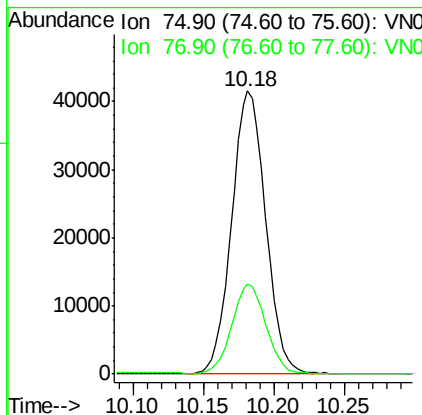
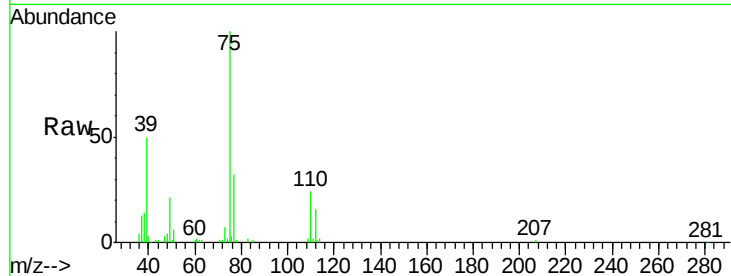
#53
 t-1,3-Dichloropropene
 Concen: 18.488 ug/l
 RT: 10.18 min Scan# 2672
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	75	Resp	70173
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.1	37.7

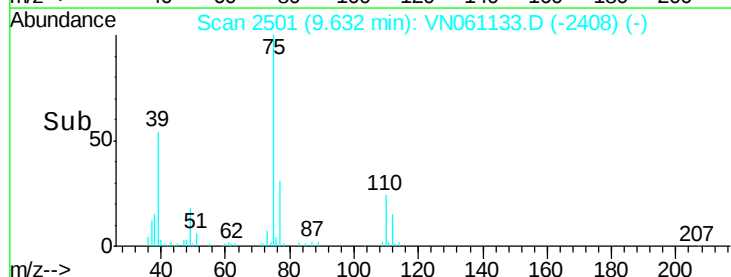
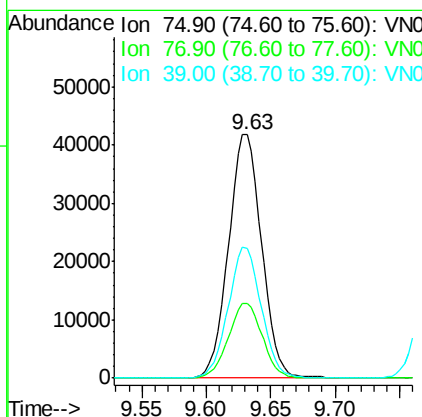
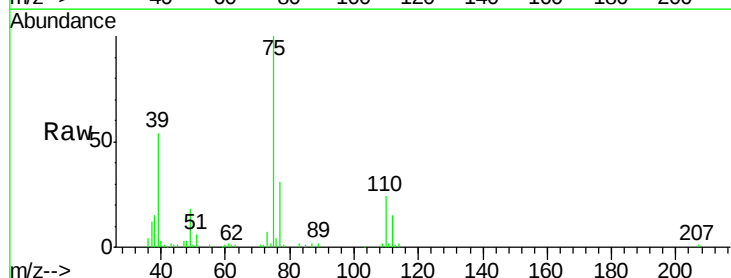
Manual Integrations
 APPROVED

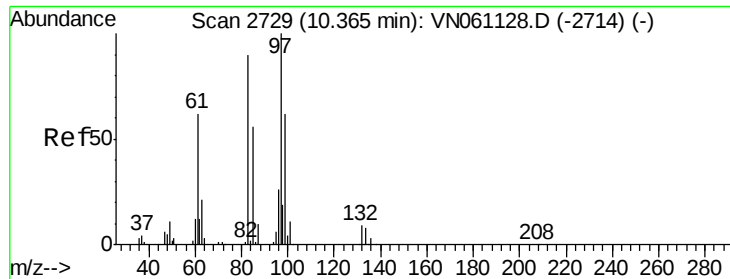
MMDadoda
 4/23/2020 11:35:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.879 ug/l
 RT: 9.63 min Scan# 2501
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	75	Resp	74547
Ion Ratio	Lower	Upper	
75	100		
77	30.9	25.2	37.8
39	53.5	42.1	63.1





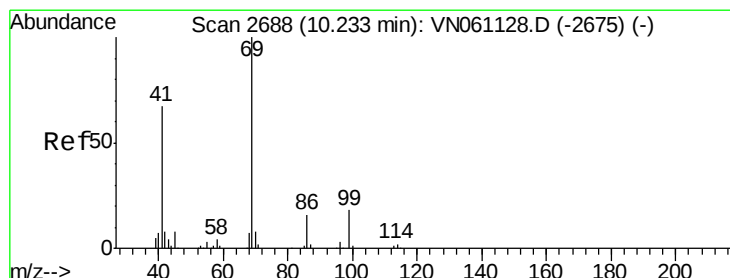
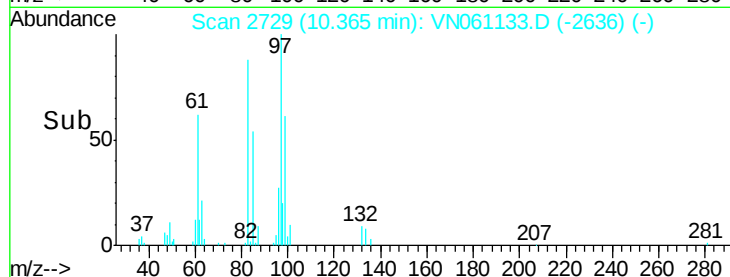
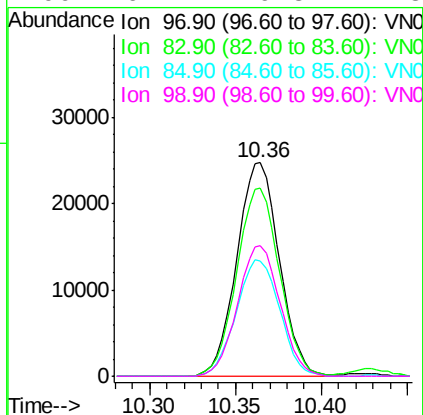
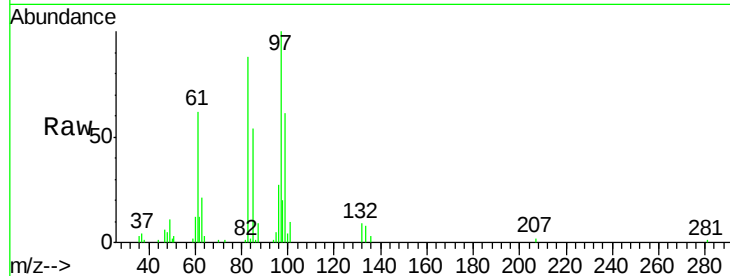
#55
 1,1,2-Trichloroethane
 Concen: 18.996 ug/l
 RT: 10.36 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion:	97	Resp:	42523
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.8	107.6
85	53.9	45.0	67.6
99	61.1	49.8	74.8

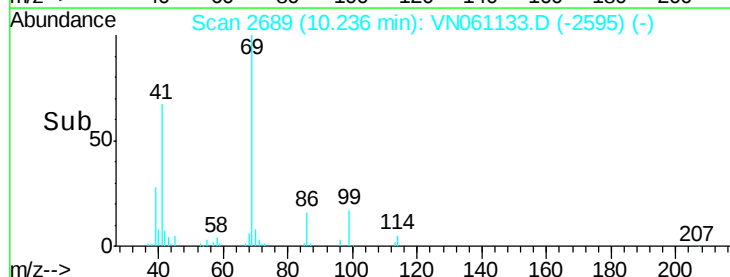
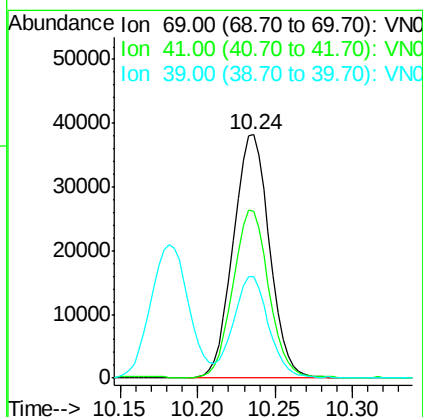
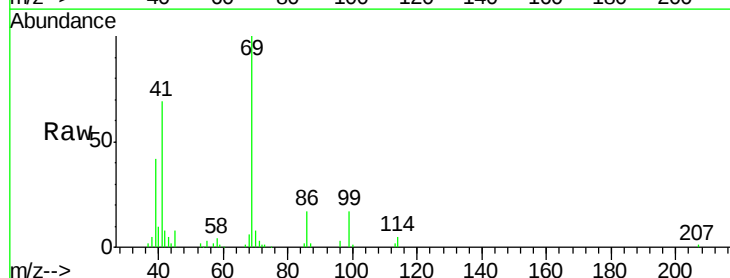
Manual Integrations
 APPROVED

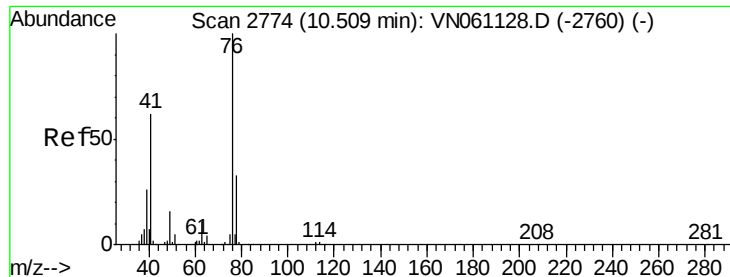
MMDadoda
 4/23/2020 11:35:50 AM



#56
 Ethyl methacrylate
 Concen: 18.281 ug/l
 RT: 10.24 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion:	69	Resp:	62359
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.0	81.0
39	40.5	31.4	47.0





#57

1,3-Dichloropropane

Concen: 18.729 ug/l

RT: 10.51 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 76 Resp: 71153

Ion Ratio Lower Upper

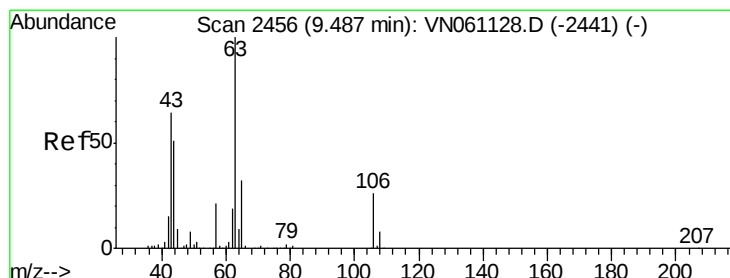
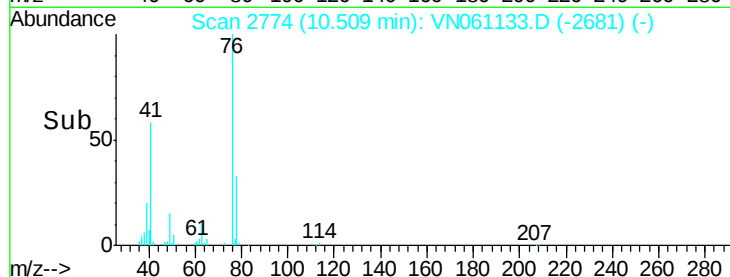
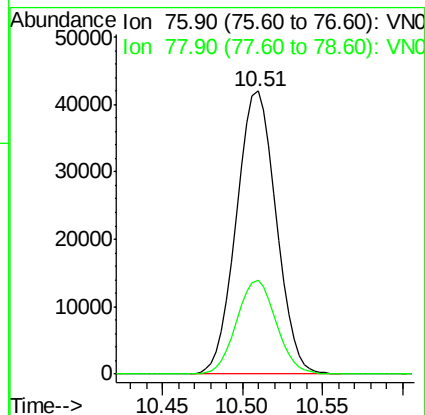
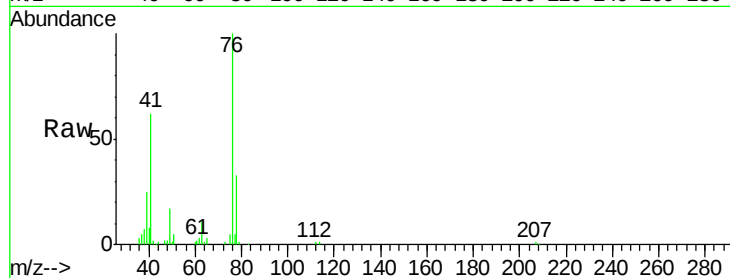
76 100

78 33.0 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

4/23/2020 11:35:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 93.610 ug/l

RT: 9.49 min Scan# 2456

Delta R.T. -0.00 min

Lab File: VN061133.D

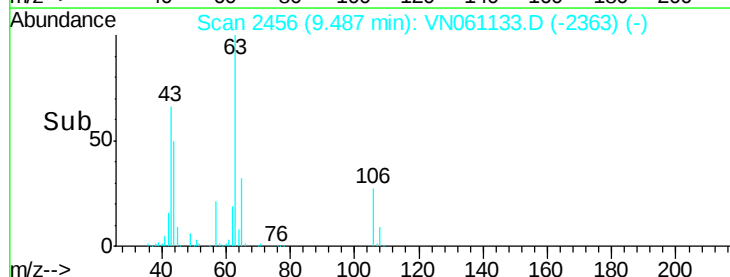
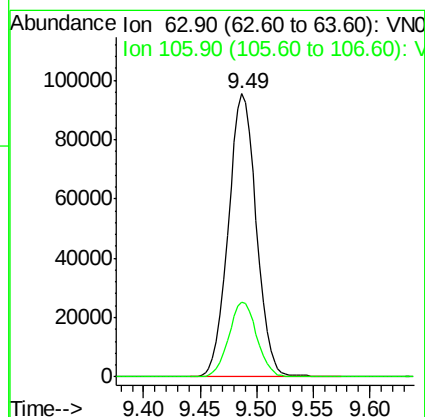
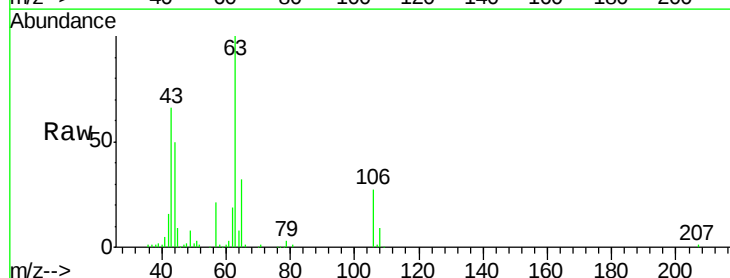
Acq: 22 Apr 2020 17:39

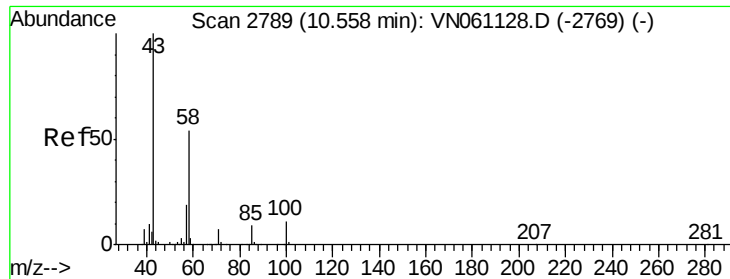
Tgt Ion: 63 Resp: 164636

Ion Ratio Lower Upper

63 100

106 26.4 21.3 31.9





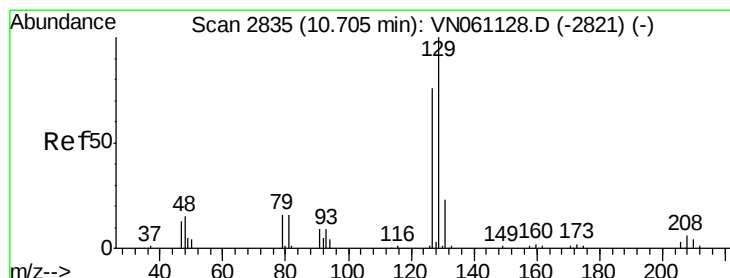
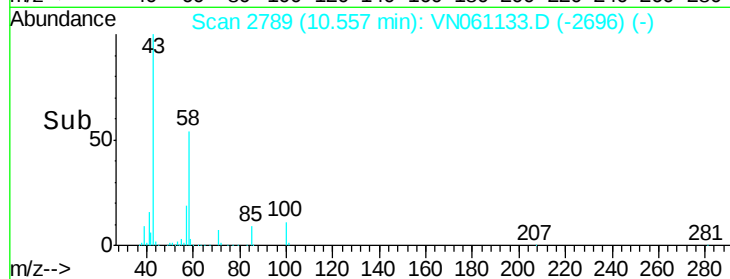
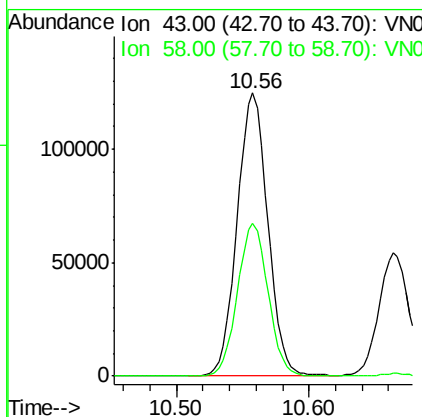
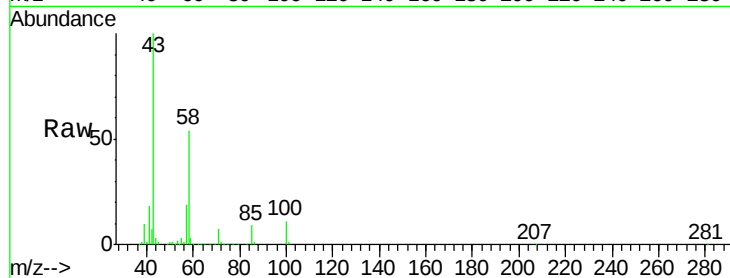
#59
2-Hexanone
Concen: 86.893 ug/l
RT: 10.56 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	43	Resp	199903
Ion Ratio	43	100	
Lower	58	54.0	26.9
Upper			80.6

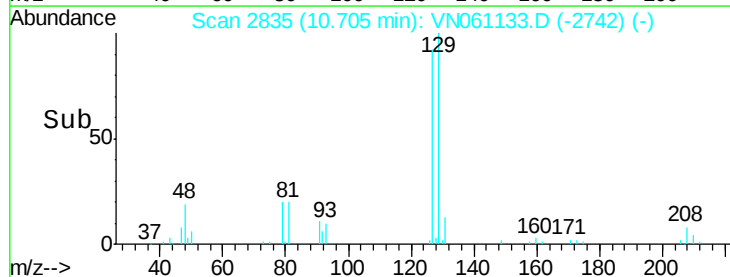
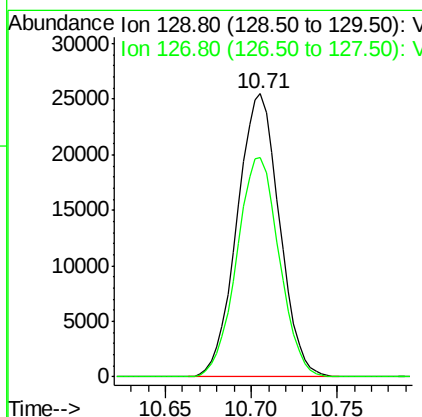
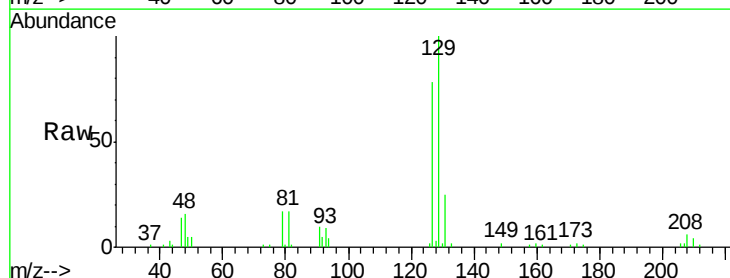
Manual Integrations
APPROVED

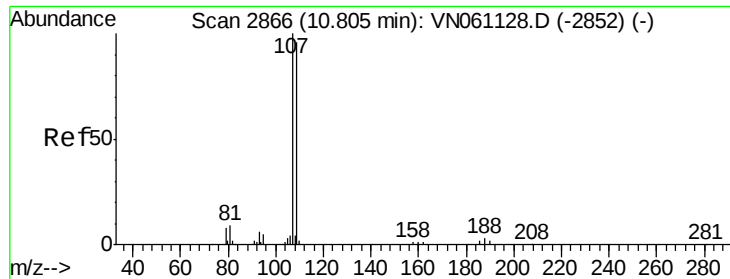
MMDadoda
4/23/2020 11:35:50 AM



#60
Dibromochloromethane
Concen: 18.665 ug/l
RT: 10.71 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	129	Resp	43690
Ion Ratio	129	100	
Lower	127	77.8	38.4
Upper			115.2





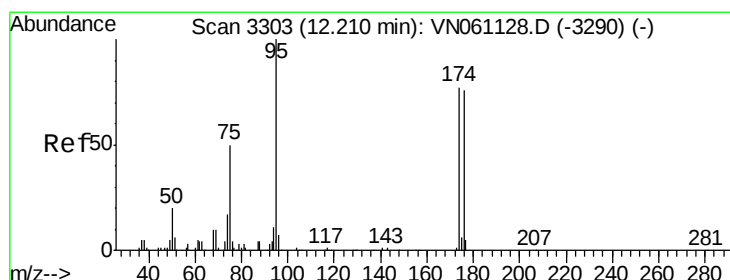
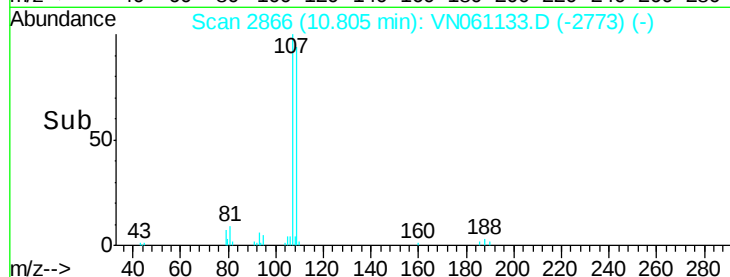
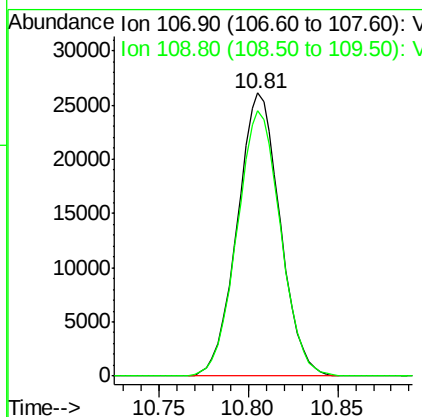
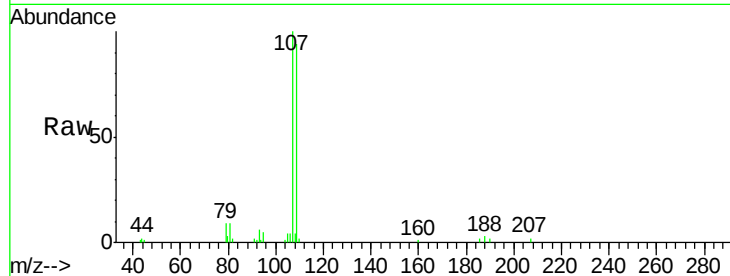
#61
 1,2-Dibromoethane
 Concen: 18.922 ug/l
 RT: 10.81 min Scan# 2866
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	76.0	114.0

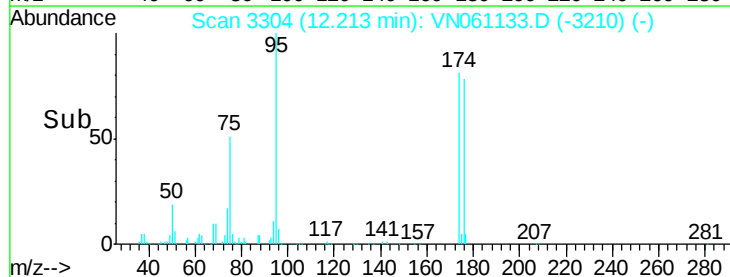
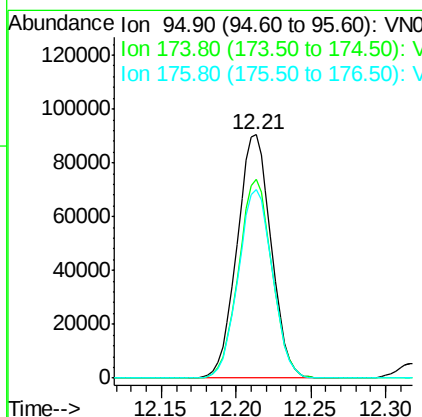
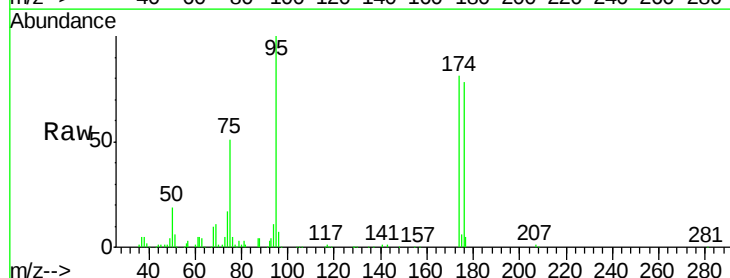
Manual Integrations
 APPROVED

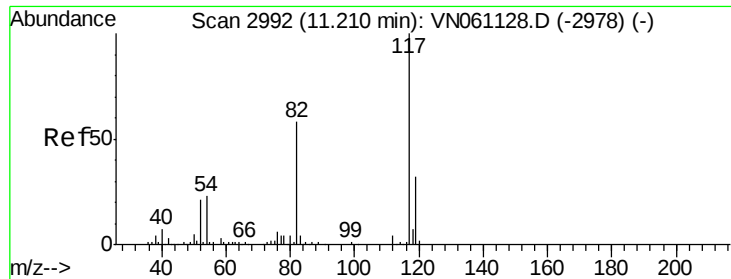
MMDadoda
 4/23/2020 11:35:50 AM



#62
 4-Bromofluorobenzene
 Concen: 48.902 ug/l
 RT: 12.21 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	157.6
176	77.7	0.0	154.4





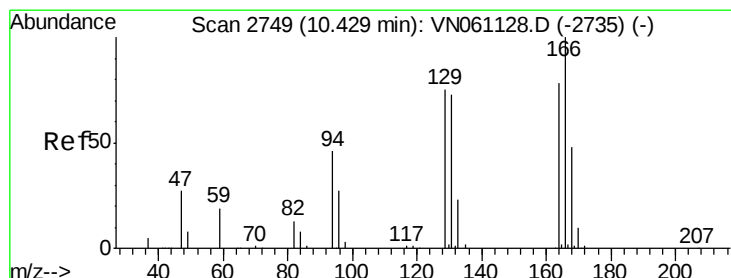
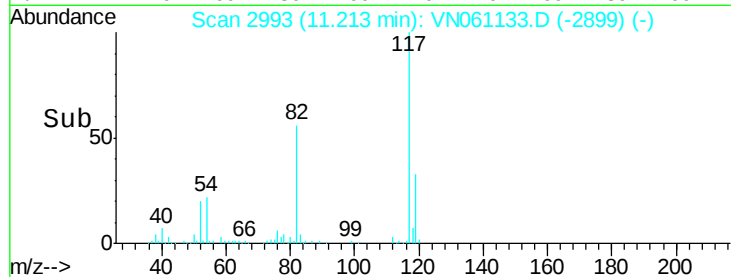
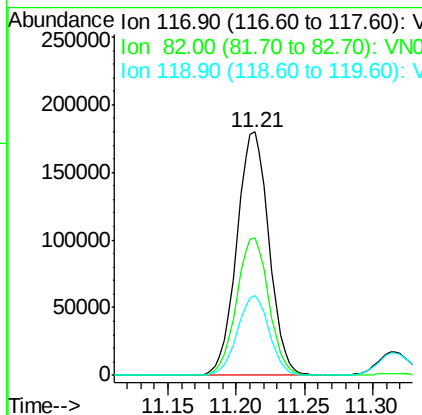
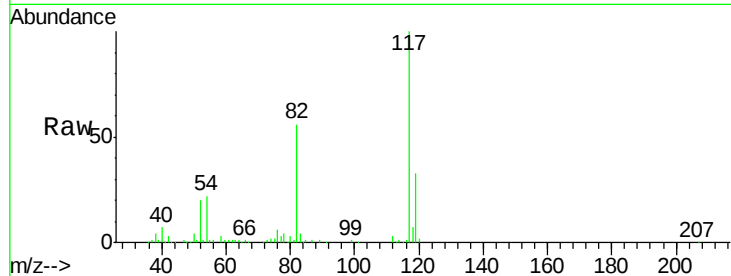
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294774		
82	56.3	46.0	69.0	
119	32.6	25.9	38.9	

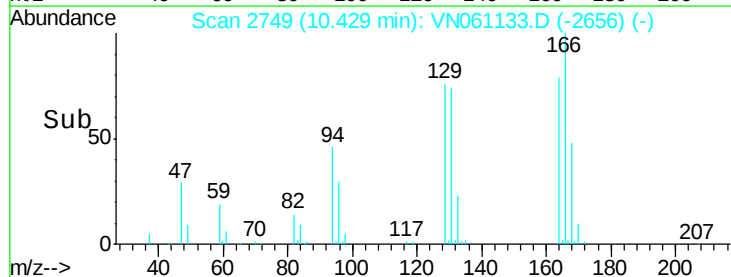
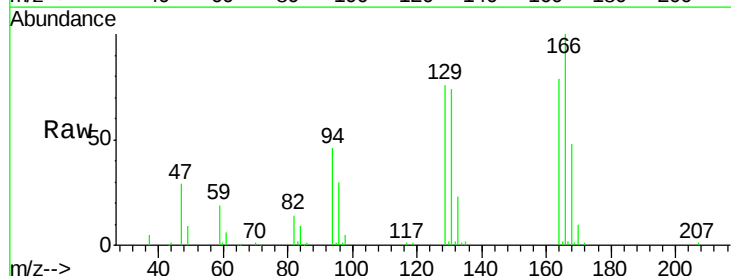
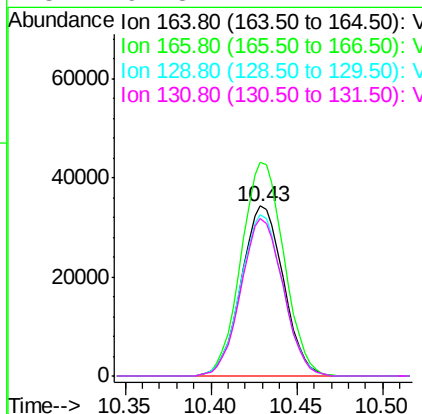
Manual Integrations
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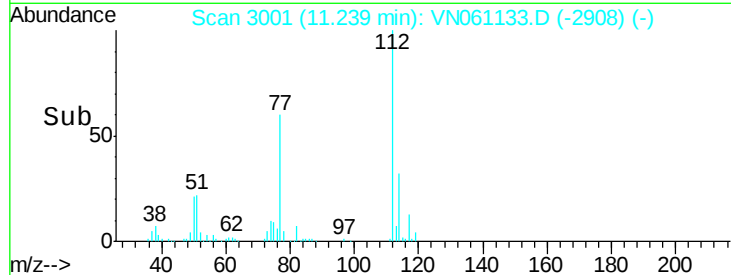
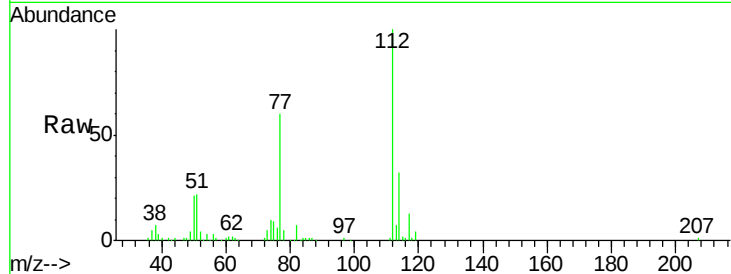
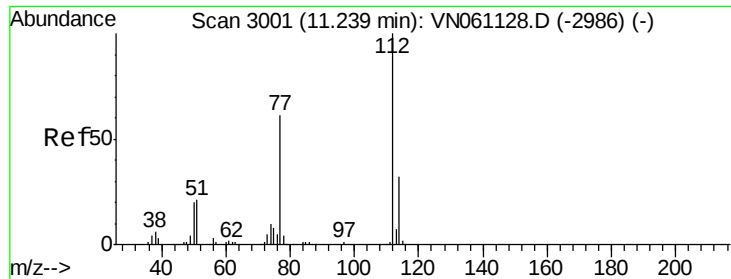
MMDadoda
4/23/2020 11:35:50 AM



#64
Tetrachloroethene
Concen: 19.365 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58436		
166	125.9	101.9	152.9	
129	95.3	76.5	114.7	
131	92.8	74.2	111.4	





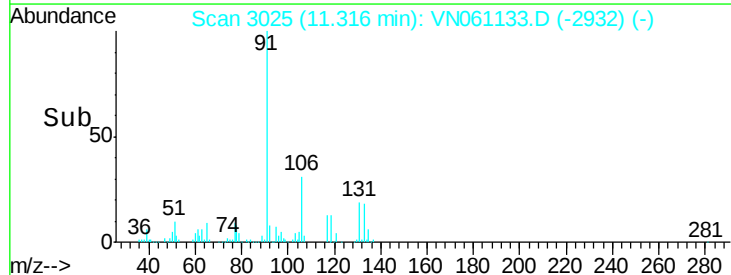
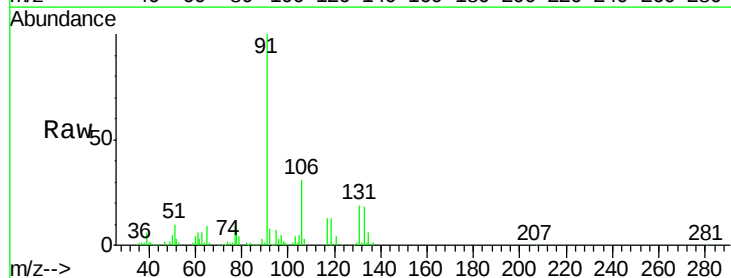
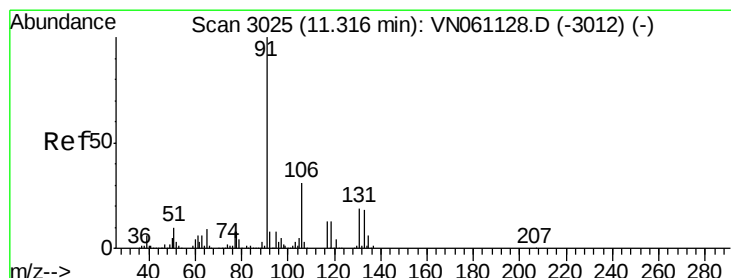
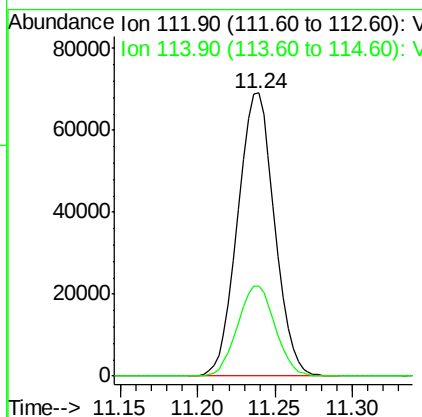
#65
Chlorobenzene
Concen: 19.099 ug/l
RT: 11.24 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tot Ion:112 Resp: 114448
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

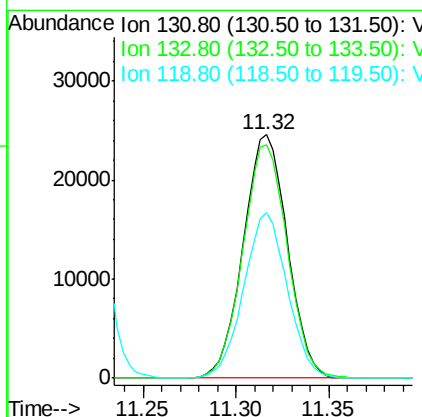
Manual Integrations
APPROVED

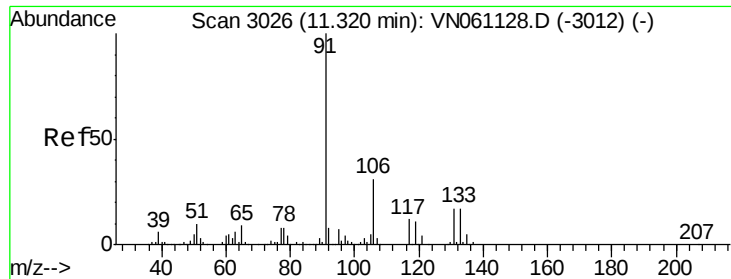
MMDadoda
4/23/2020 11:35:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.220 ug/l
RT: 11.32 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion:131 Resp: 40817
Ion Ratio Lower Upper
131 100
133 96.7 48.2 144.6
119 66.9 33.1 99.5





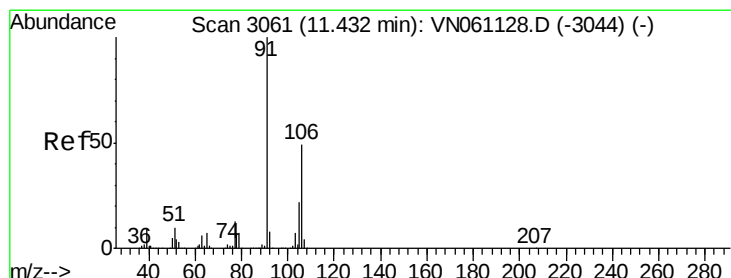
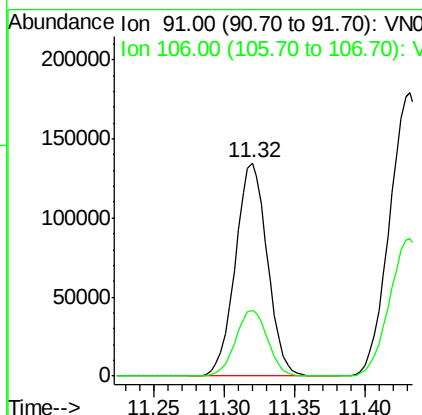
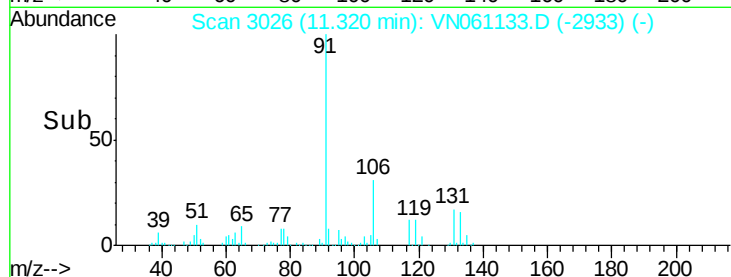
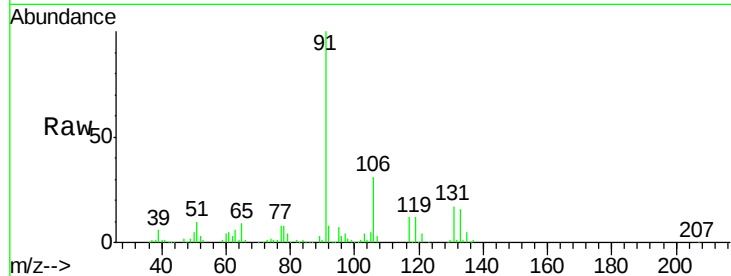
#67
Ethyl Benzene
Concen: 19.158 ug/l
RT: 11.32 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion: 91 Resp: 213782
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

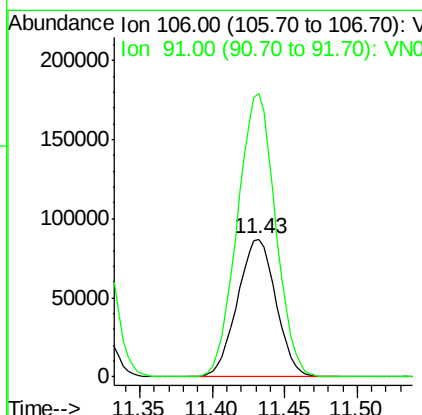
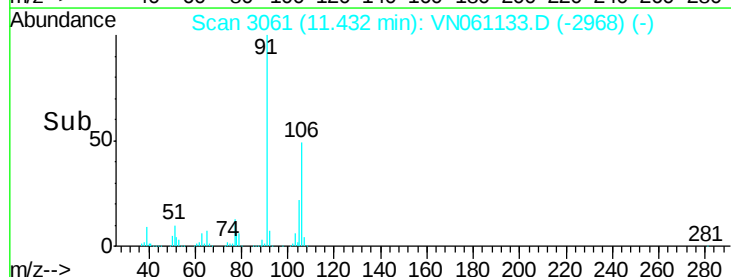
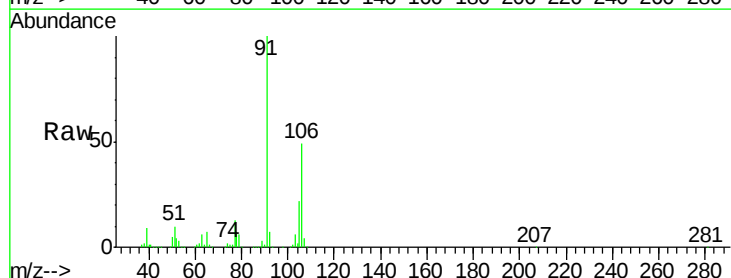
Manual Integrations
APPROVED

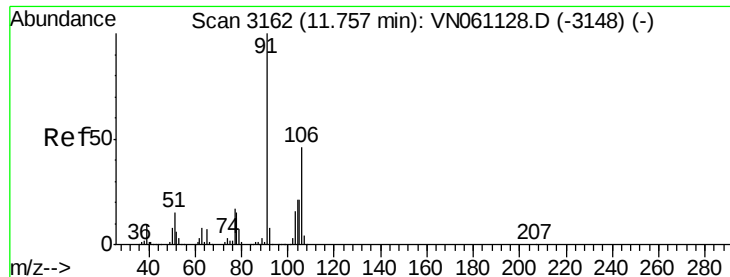
MMDadoda
4/23/2020 11:35:50 AM



#68
m/p-Xylenes
Concen: 38.551 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 106 Resp: 160643
Ion Ratio Lower Upper
106 100
91 204.1 163.9 245.9





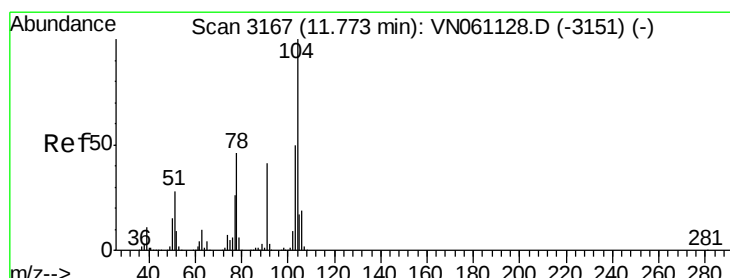
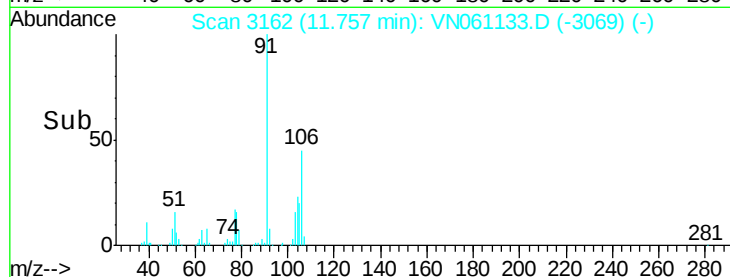
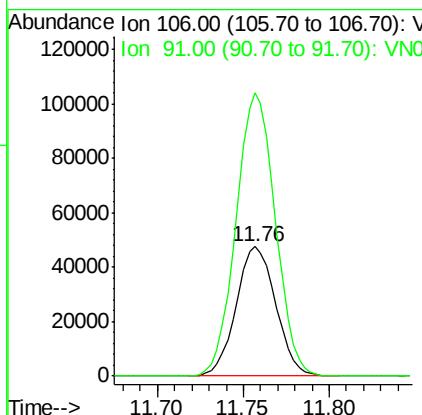
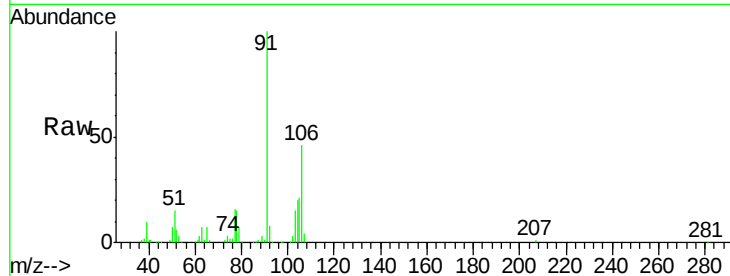
#69
o-Xylene
Concen: 18.974 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion:106 Resp: 76338
Ion Ratio Lower Upper
106 100
91 216.1 107.6 322.8

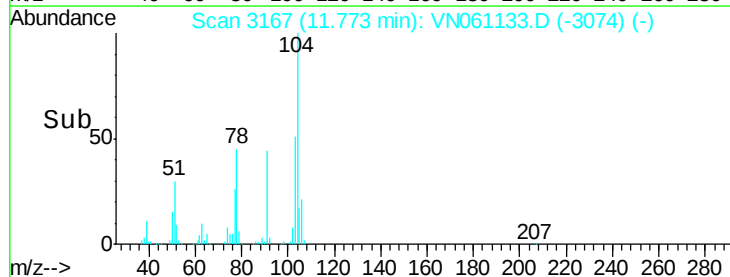
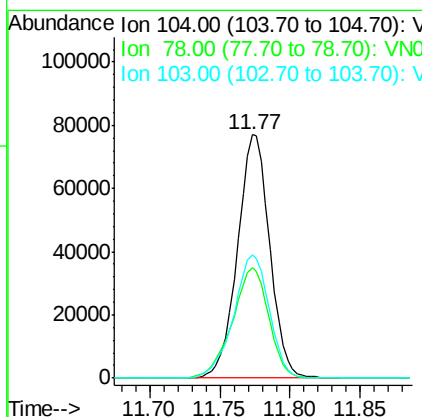
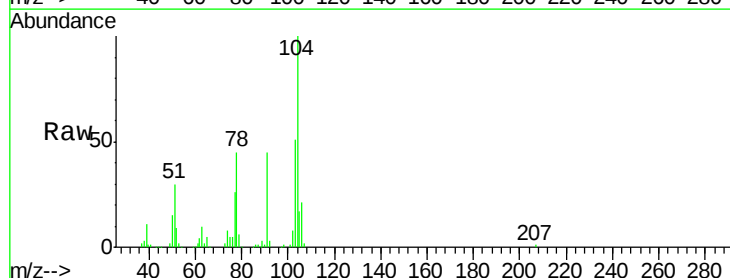
Manual Integrations
APPROVED

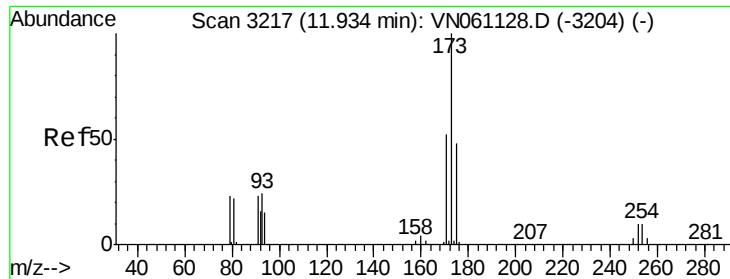
MMDadoda
4/23/2020 11:35:50 AM



#70
Styrene
Concen: 18.941 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion:104 Resp: 123414
Ion Ratio Lower Upper
104 100
78 51.0 40.6 61.0
103 55.9 43.7 65.5





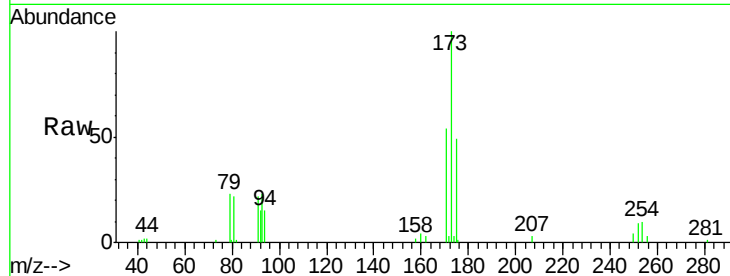
#71
Bromoform
Concen: 18.708 ug/l
RT: 11.93 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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4/23/2020 11:35:50 AM

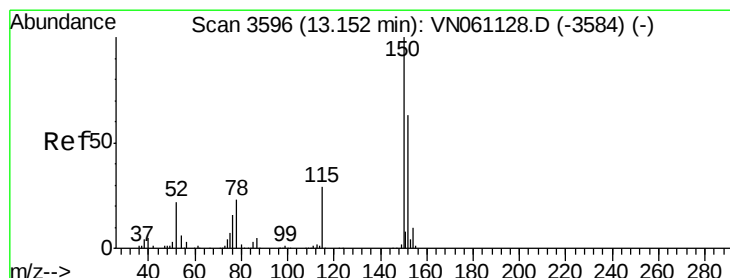
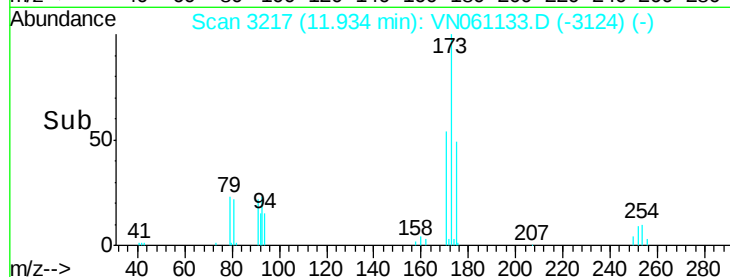
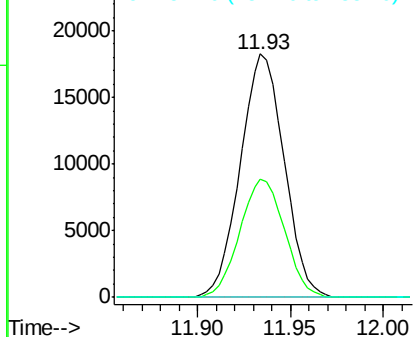


Abundance

Ion 172.70 (172.40 to 173.40): V

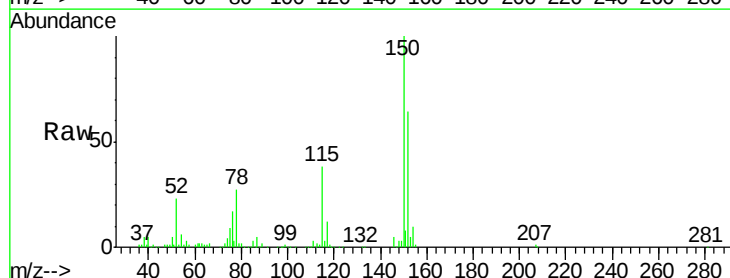
Ion 174.70 (174.40 to 175.40): V

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: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.8	89.5
150	163.4	0.0	348.6

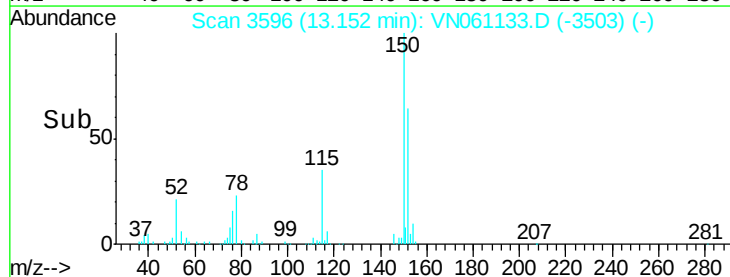
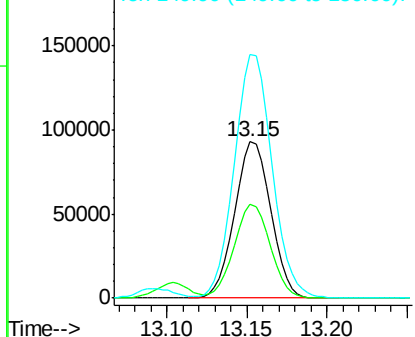


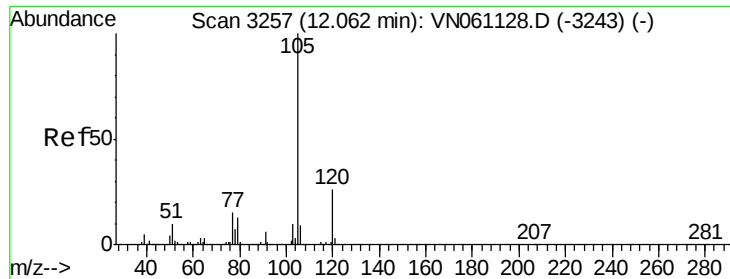
Abundance

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: 19.095 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 105 Resp: 206031

Ion Ratio Lower Upper

105 100

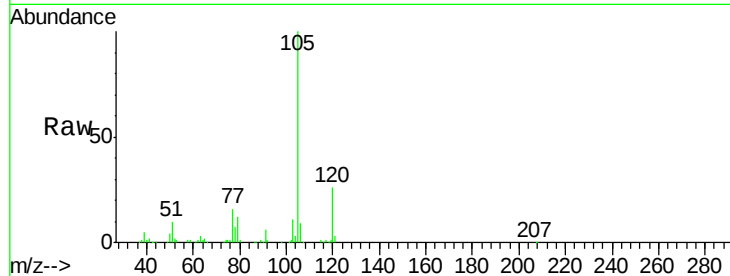
120 26.2 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

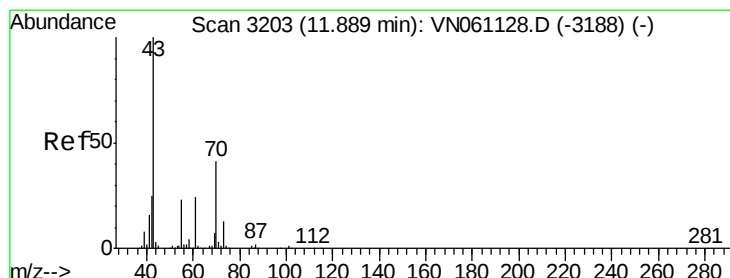
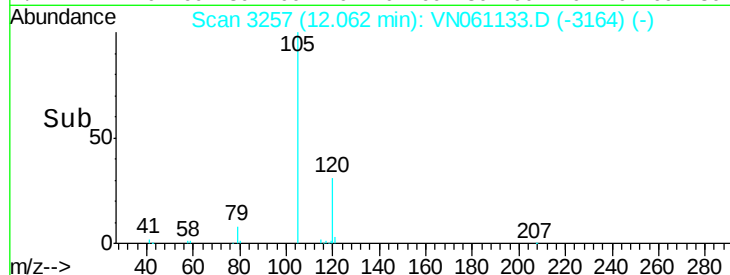
120.06

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.632 ug/l

RT: 11.89 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion: 43 Resp: 85518

Ion Ratio Lower Upper

43 100

70 40.7 32.5 48.7

55 24.7 19.0 28.6

61 24.1 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

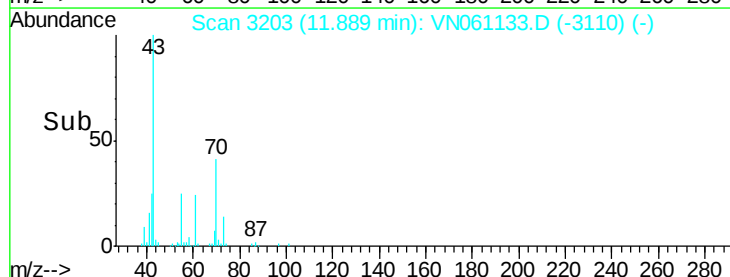
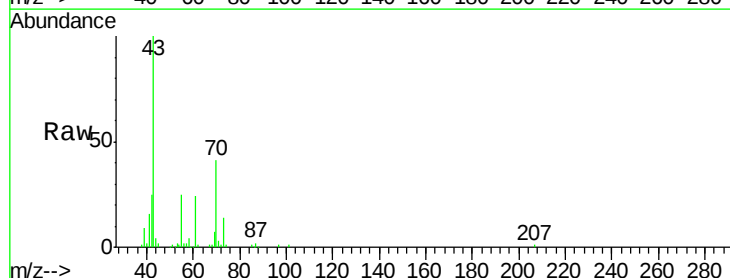
60000

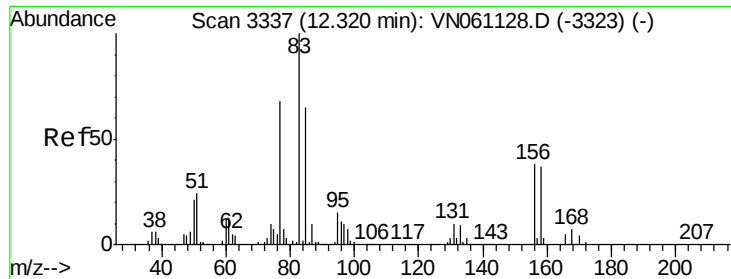
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.098 ug/l

RT: 12.32 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

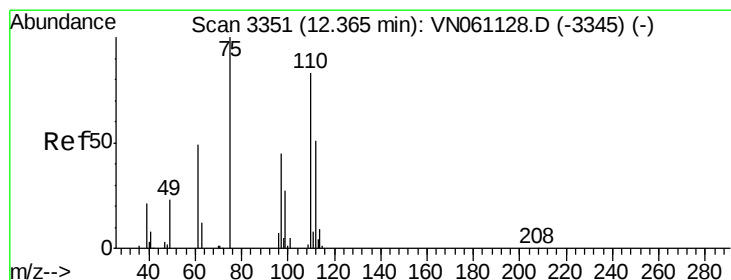
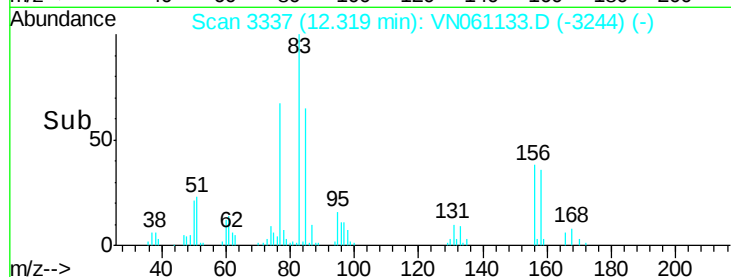
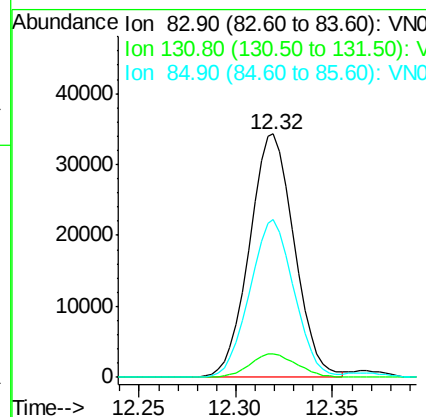
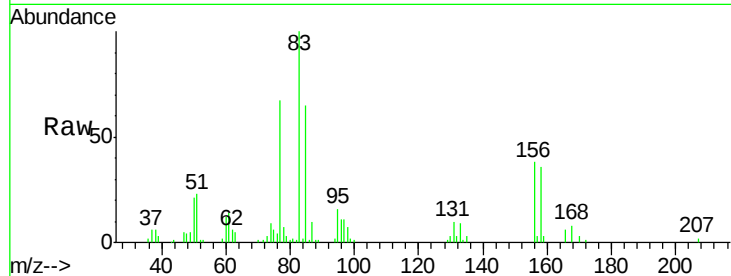
ClientSampleId :

VN0422WBS01

Tot Ion:	83	Resp:	55222
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.454 ug/l m

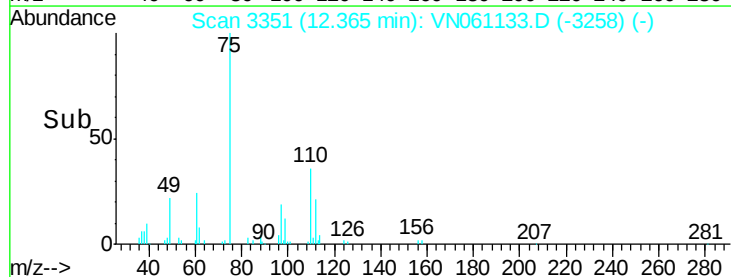
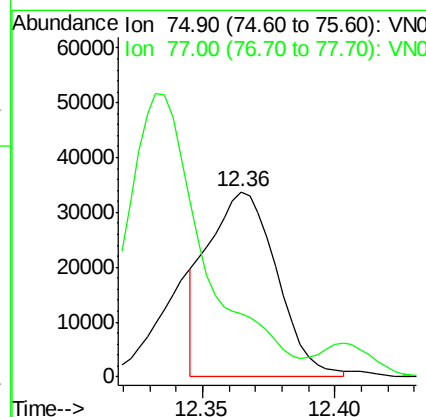
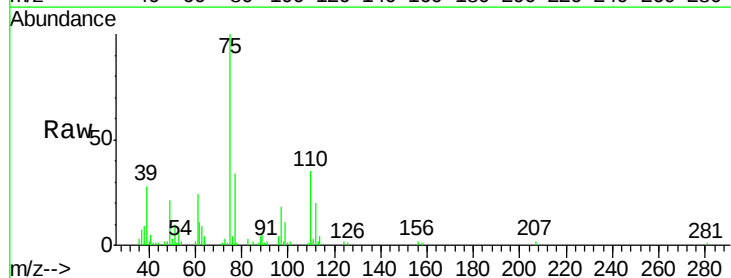
RT: 12.36 min Scan# 3351

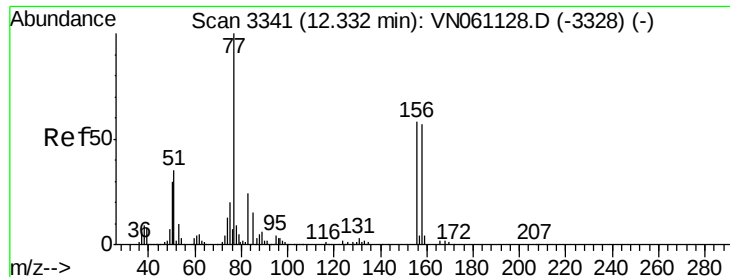
Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion:	75	Resp:	60795
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





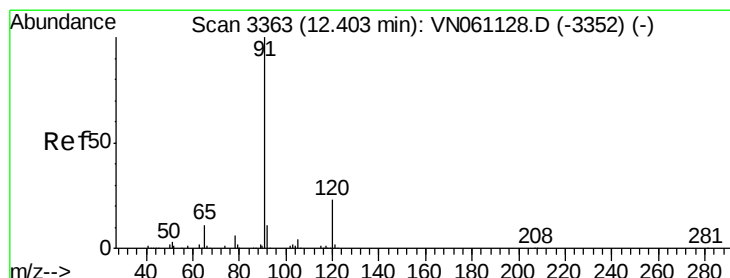
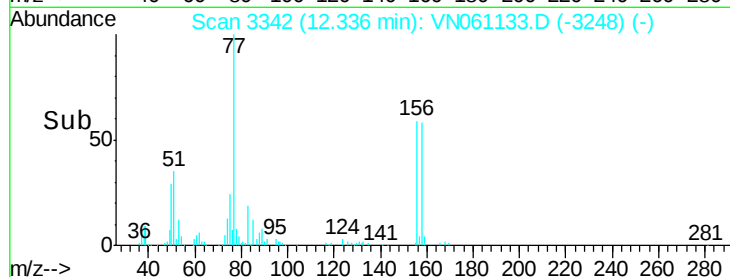
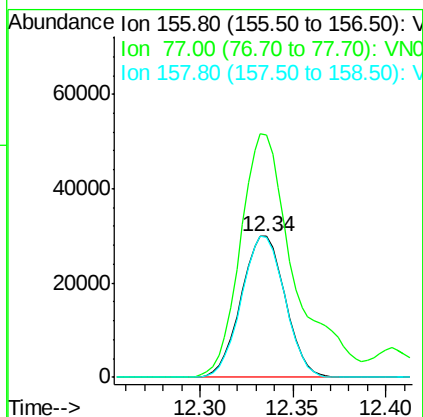
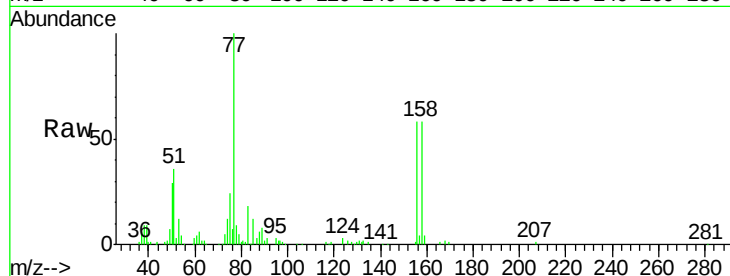
#77
Bromobenzene
Concen: 18.909 ug/l
RT: 12.34 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.1	105.7	317.1
158	98.1	48.3	144.9

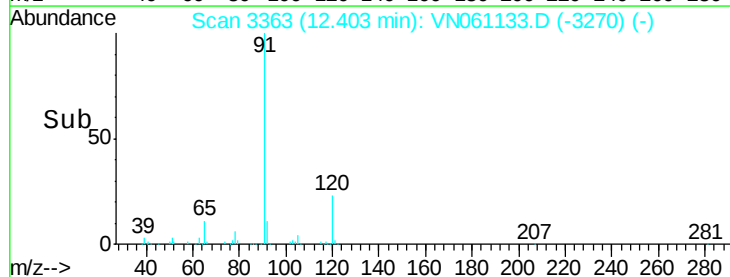
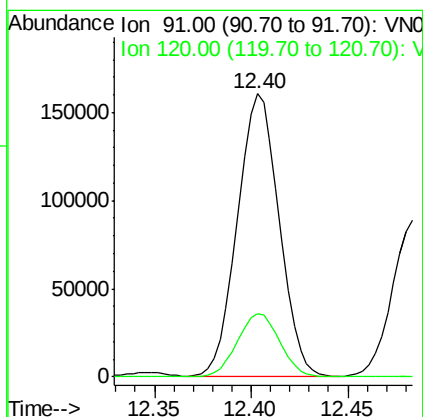
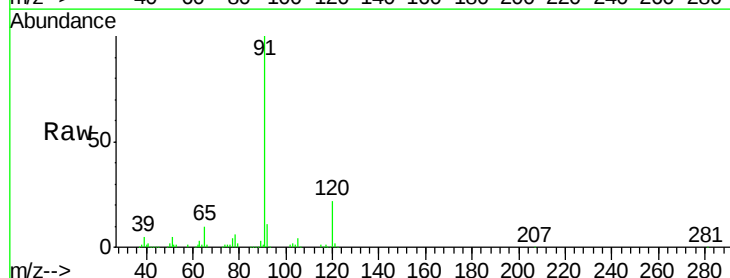
Manual Integrations
APPROVED

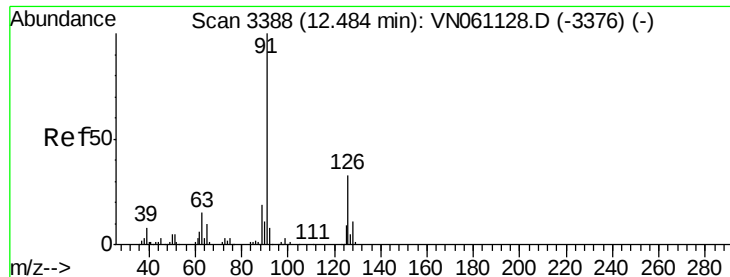
MMDadoda
4/23/2020 11:35:50 AM



#78
n-propylbenzene
Concen: 18.988 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9





#79

2-Chlorotoluene

Concen: 18.803 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 91 Resp: 138175

Ion Ratio Lower Upper

91 100

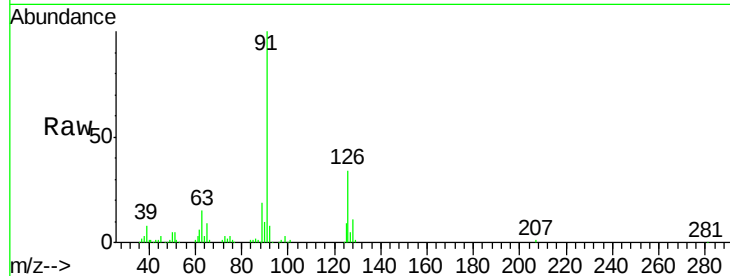
126 33.8 16.7 50.1

Manual Integrations

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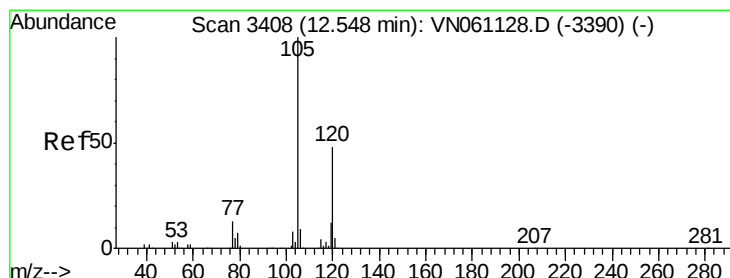
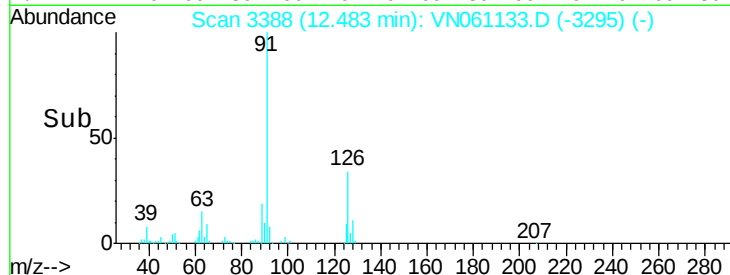
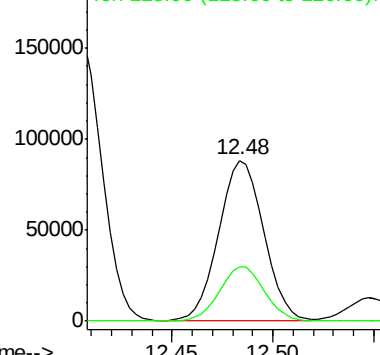
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.864 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN061133.D

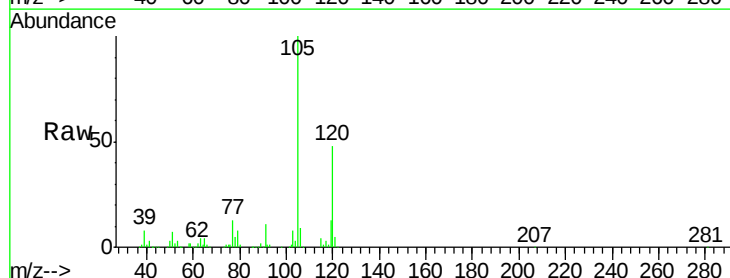
Acq: 22 Apr 2020 17:39

Tgt Ion:105 Resp: 171513

Ion Ratio Lower Upper

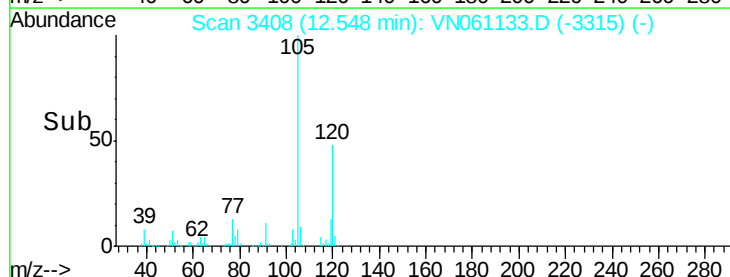
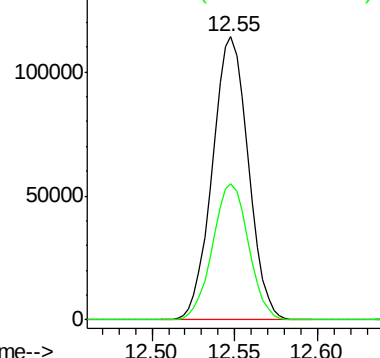
105 100

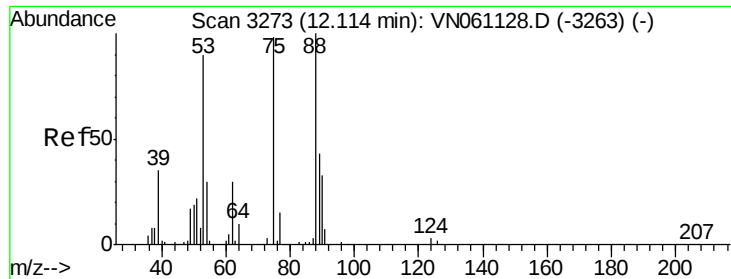
120 48.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.133 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

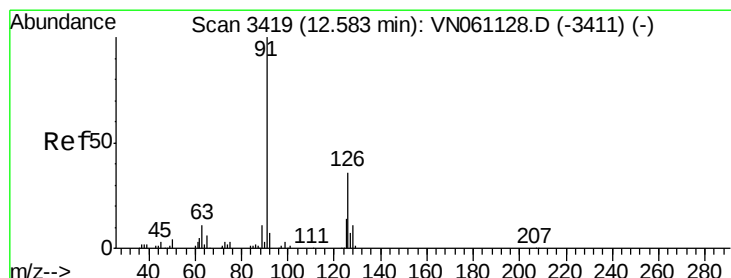
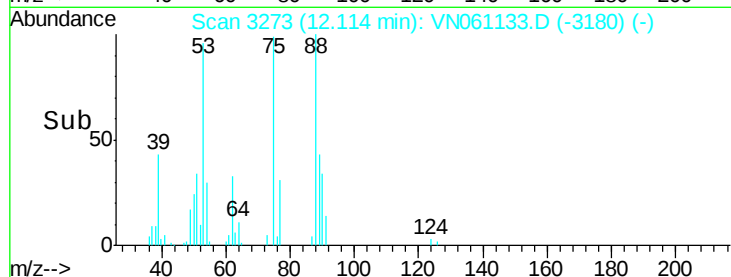
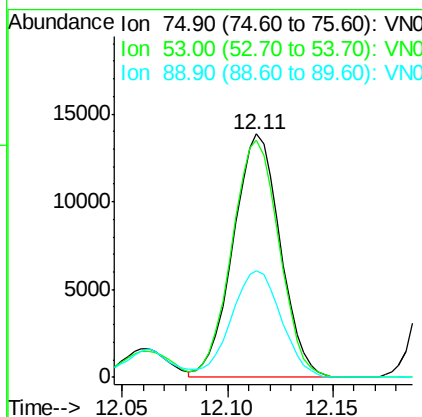
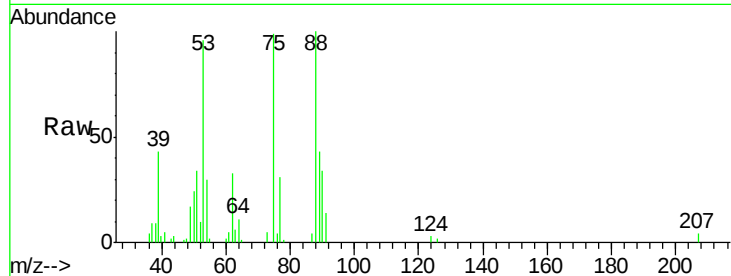
ClientSampleId :

VN0422WBS01

Tot Ion:	75	Resp:	21492
Ion Ratio	Lower	Upper	
75	100		
53	98.0	74.3	111.5
89	46.3	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.897 ug/l

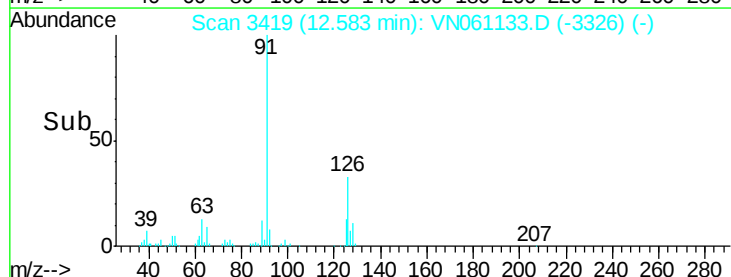
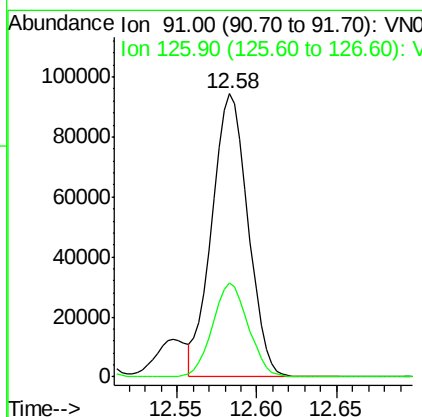
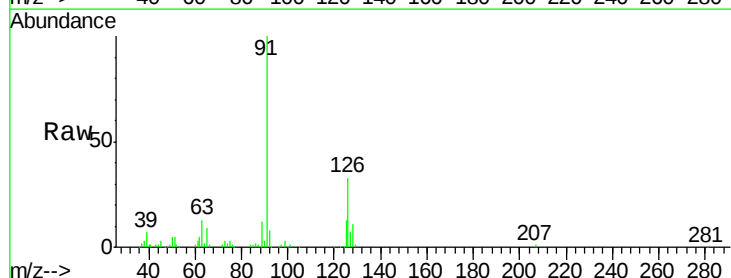
RT: 12.58 min Scan# 3419

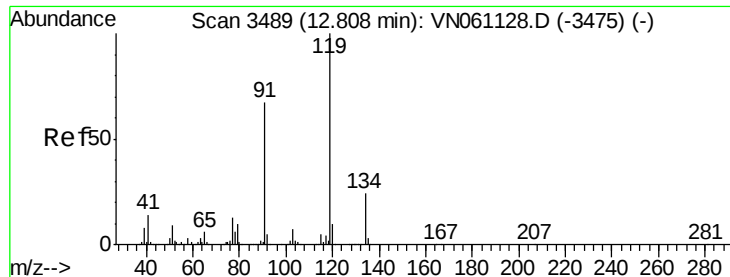
Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion:	91	Resp:	147330
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.4	49.2





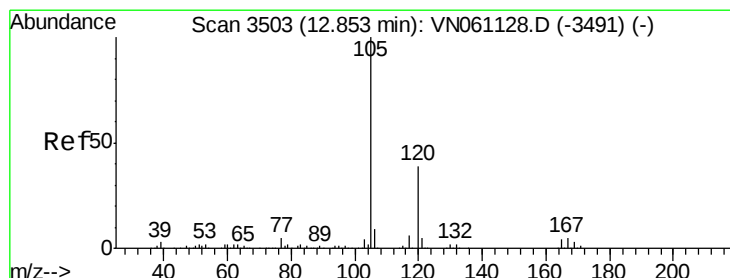
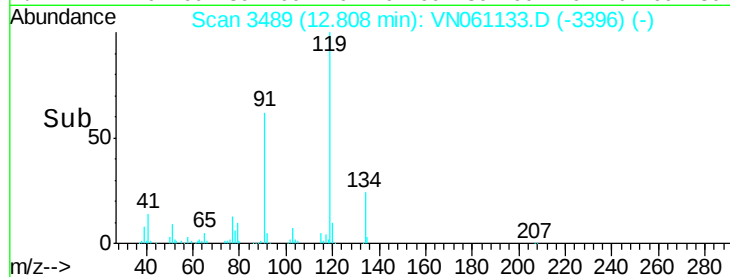
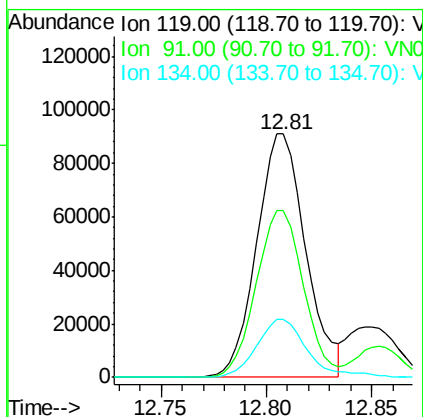
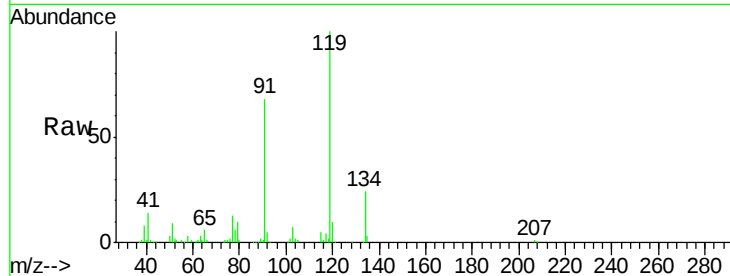
#83
 tert-Butylbenzene
 Concen: 19.274 ug/l
 RT: 12.81 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion:	119	Resp:	147165
Ion Ratio	Lower	Upper	
119	100		
91	66.2	32.8	98.4
134	24.6	12.2	36.4

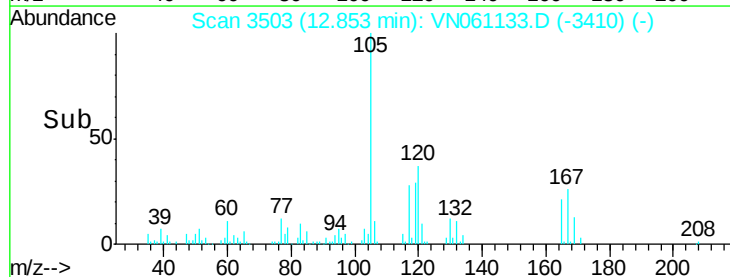
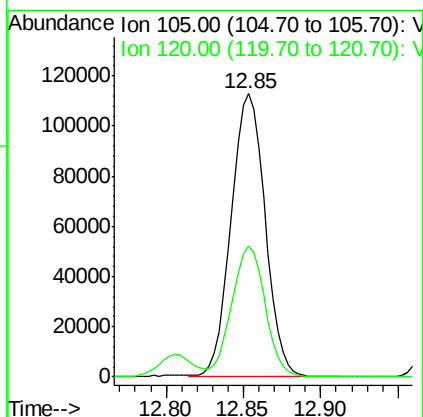
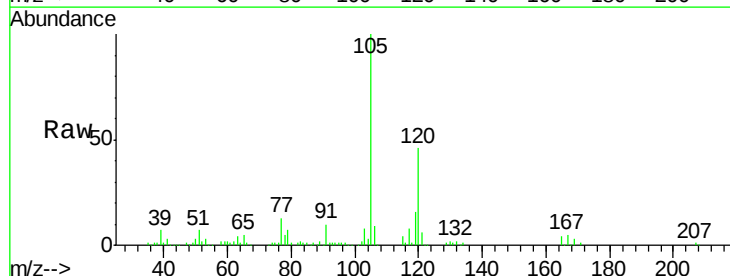
Manual Integrations
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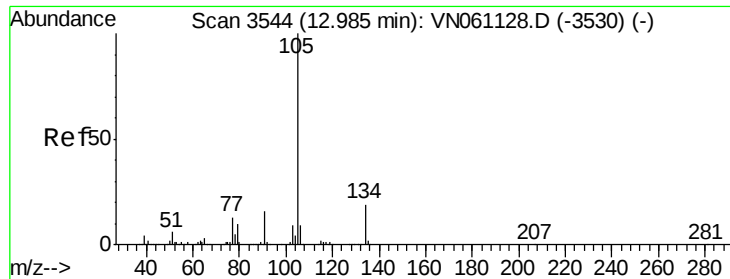
MMDadoda
 4/23/2020 11:35:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.036 ug/l
 RT: 12.85 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion:	105	Resp:	172371
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.0





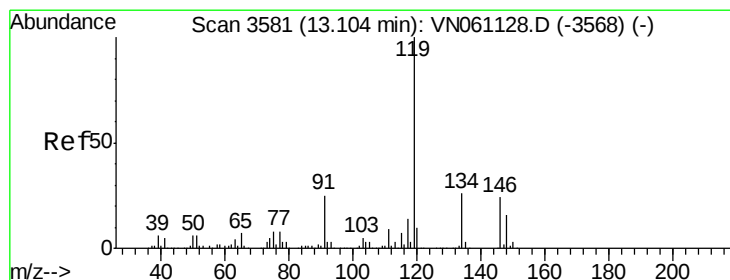
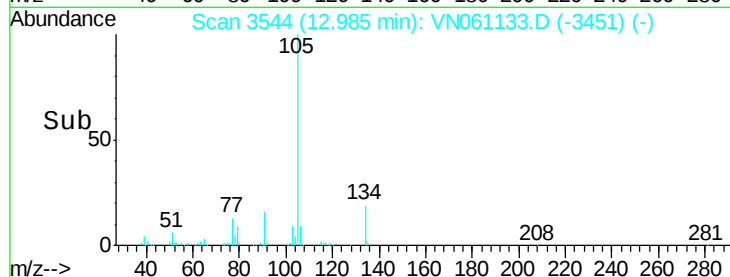
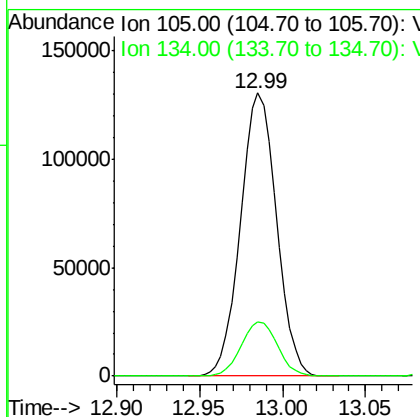
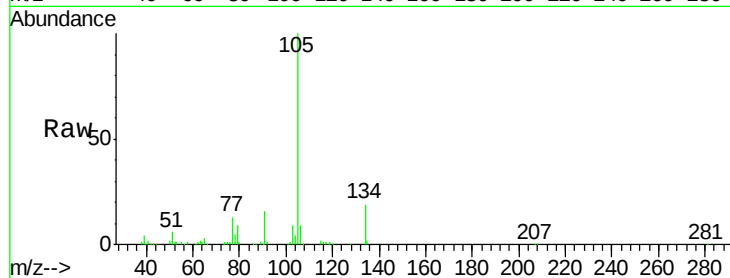
#85
 sec-Butylbenzene
 Concen: 19.047 ug/l
 RT: 12.99 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	196797		
134	19.4	9.7	28.9	

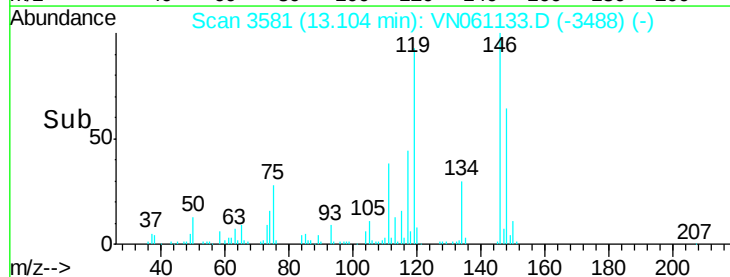
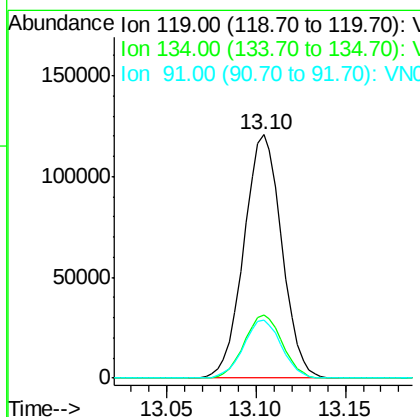
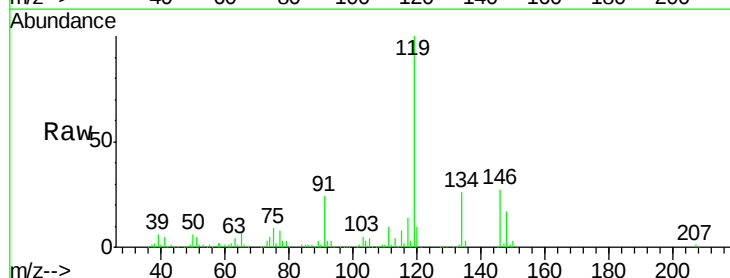
Manual Integrations
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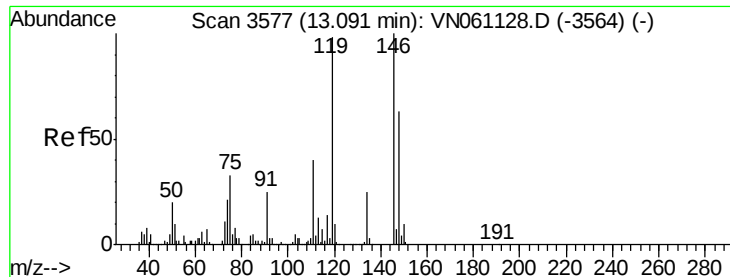
MMDadoda
 4/23/2020 11:35:50 AM



#86
 p-Isopropyltoluene
 Concen: 19.043 ug/l
 RT: 13.10 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	178580		
134	26.1	13.0	39.0	
91	23.9	12.4	37.0	





#87

1,3-Dichlorobenzene

Concen: 19.228 ug/l

RT: 13.09 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

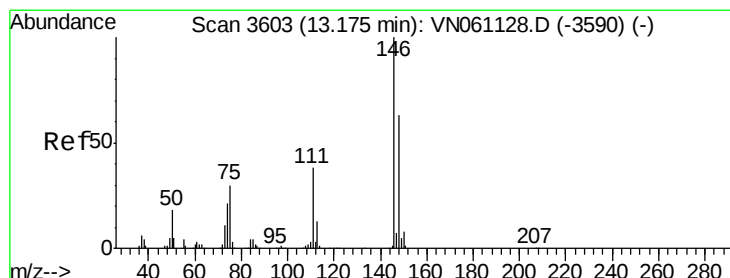
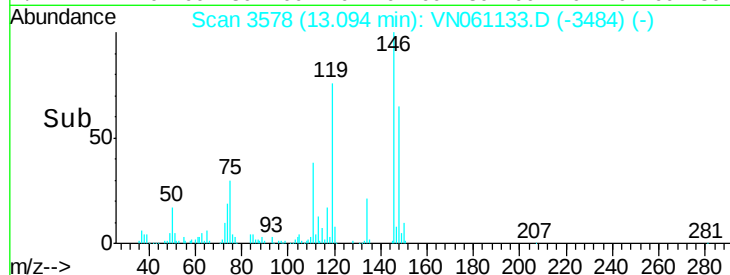
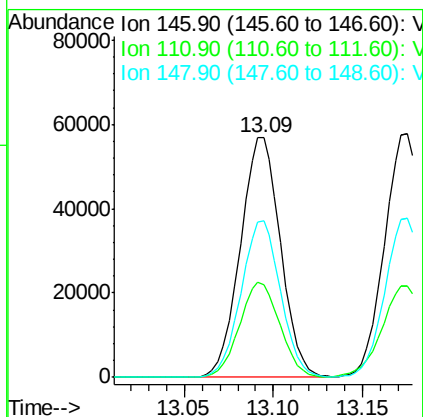
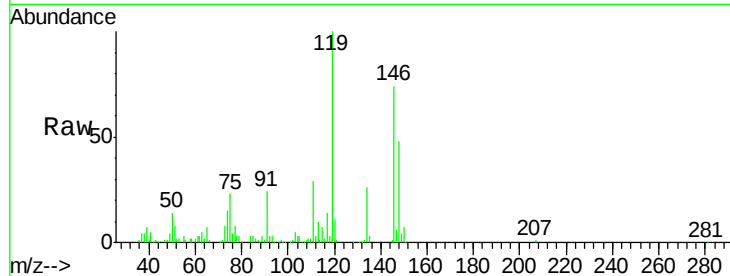
ClientSampleId :

VN0422WBS01

Tot Ion:	146	Resp:	89586
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.3	60.9
148	64.2	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.083 ug/l

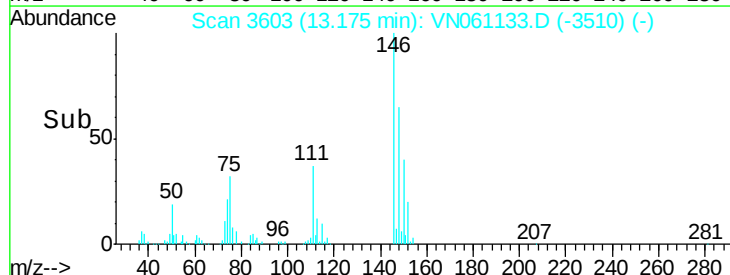
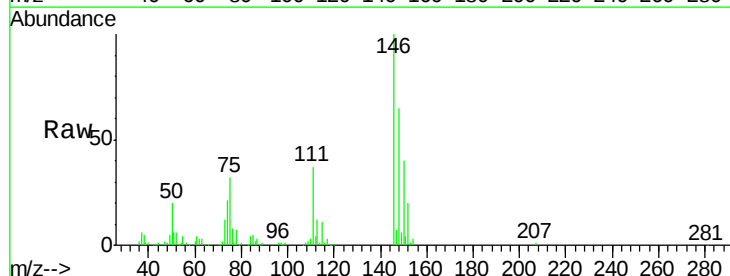
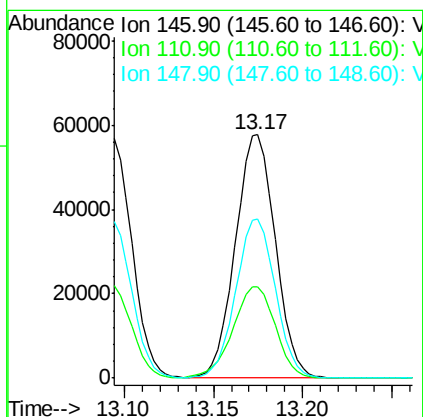
RT: 13.17 min Scan# 3603

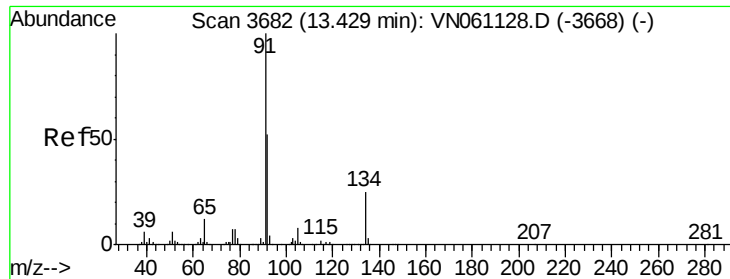
Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion:	146	Resp:	90250
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.7	59.1
148	64.6	31.8	95.3





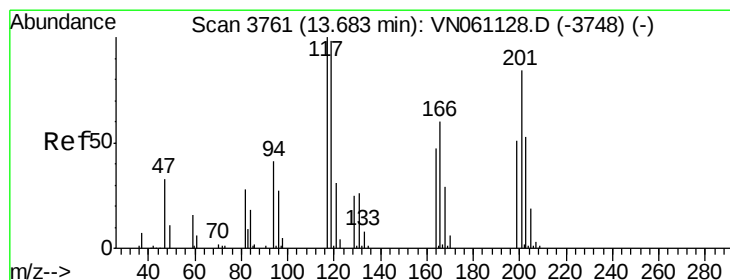
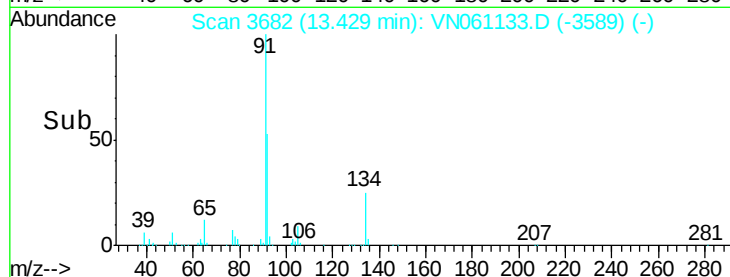
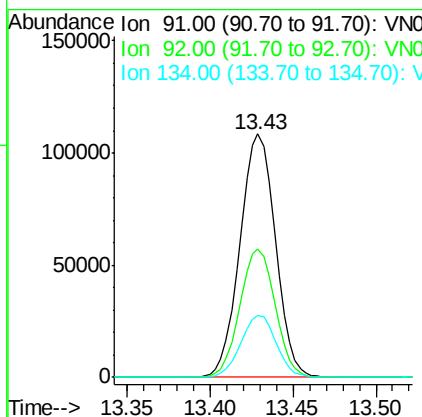
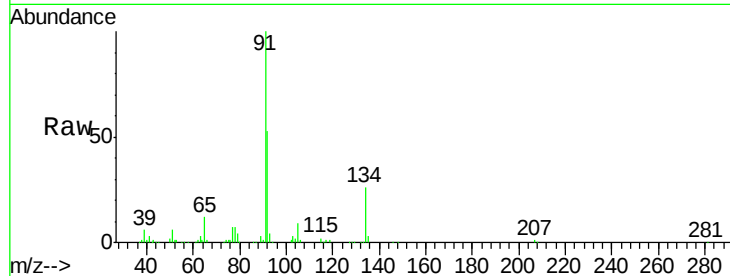
#89
n-Butylbenzene
Concen: 18.900 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_N
ClientSampled :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	25.5	12.6	37.6

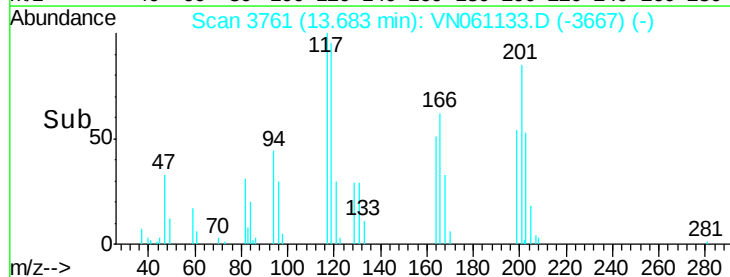
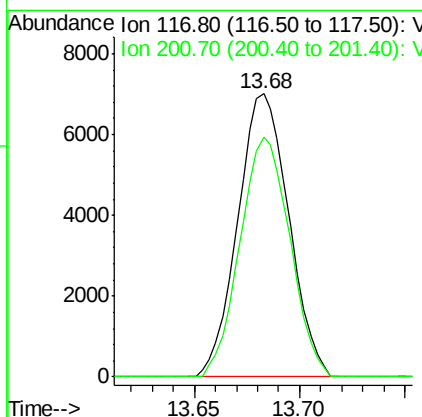
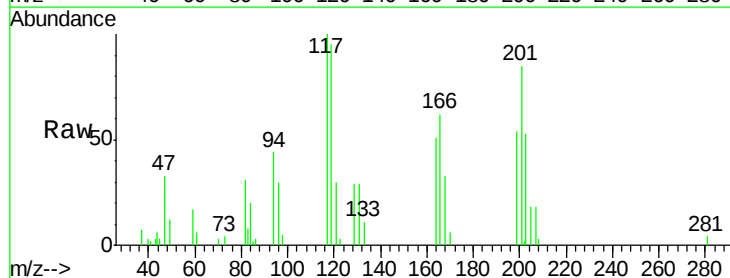
Manual Integrations
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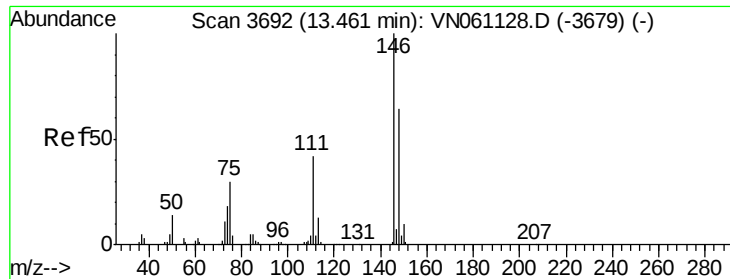
MMDadoda
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#90
Hexachloroethane
Concen: 15.359 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	41.4	124.4





#91

1,2-Dichlorobenzene

Concen: 19.418 ug/l

RT: 13.46 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

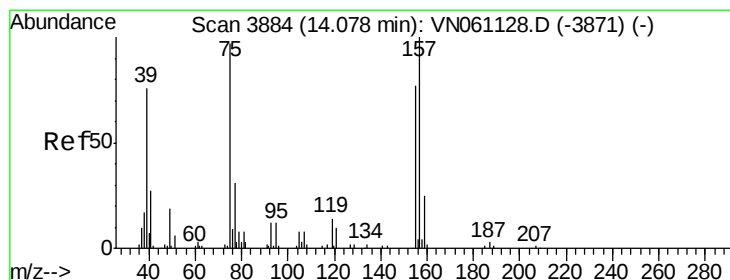
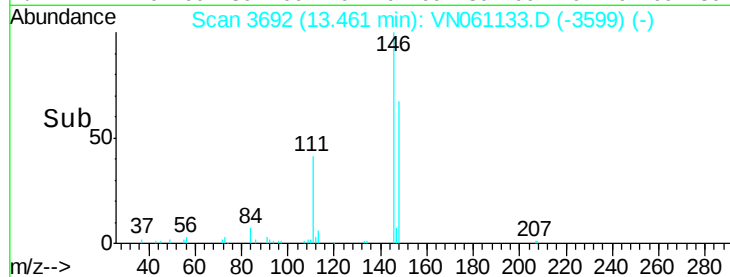
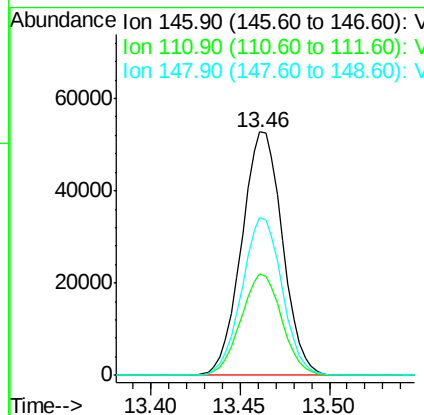
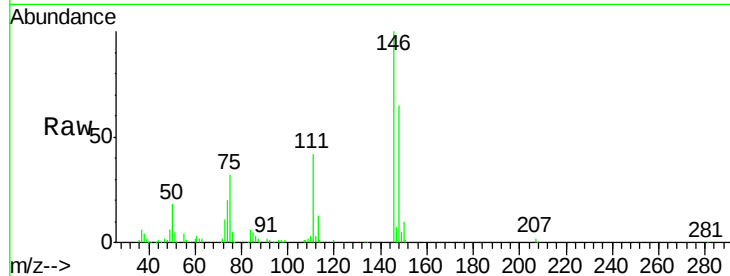
ClientSampleId :

VN0422WBS01

Tot Ion:	146	Resp:	84172
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.8	62.2
148	63.7	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.042 ug/l

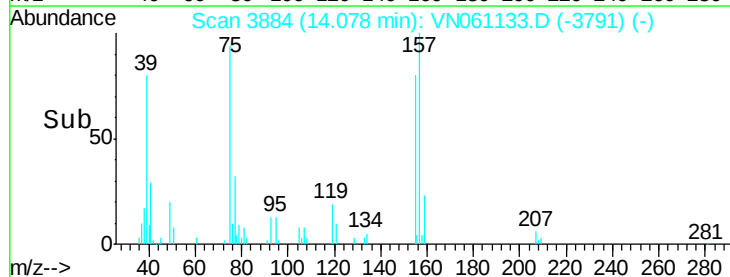
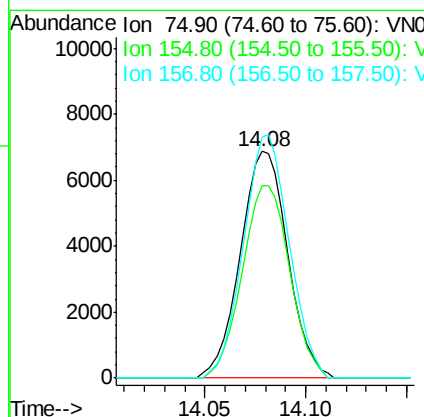
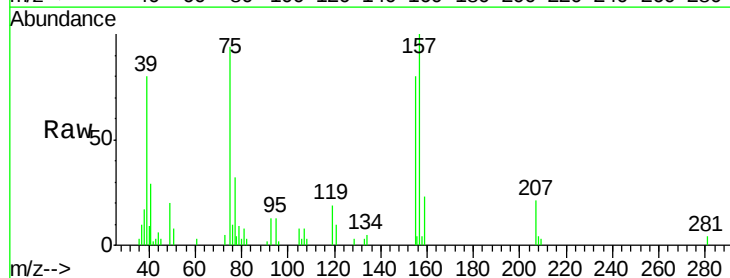
RT: 14.08 min Scan# 3884

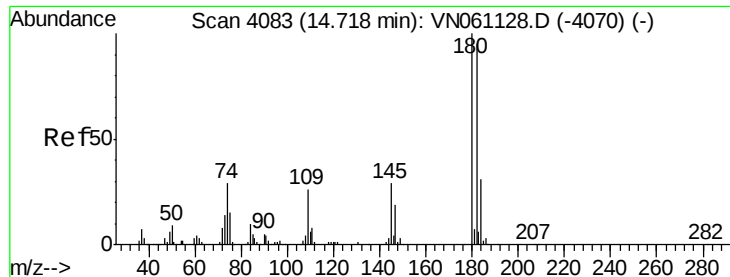
Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion:	75	Resp:	11324
Ion Ratio	Lower	Upper	
75	100		
155	84.8	40.3	120.9
157	103.5	51.6	154.8





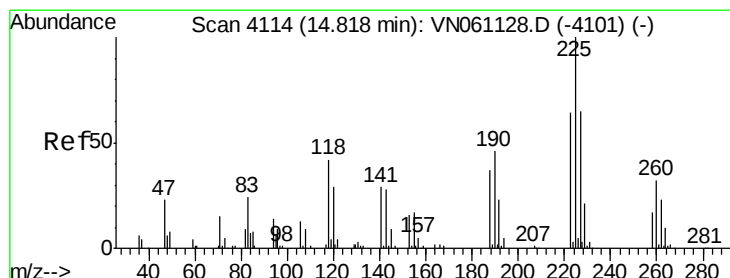
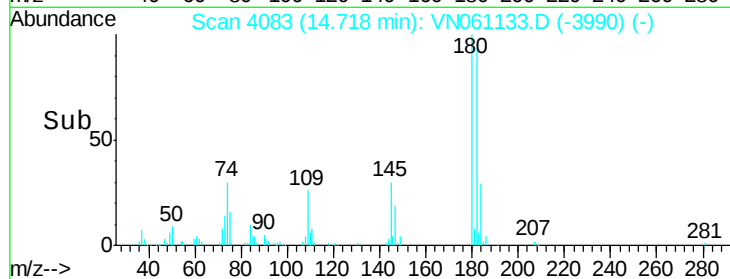
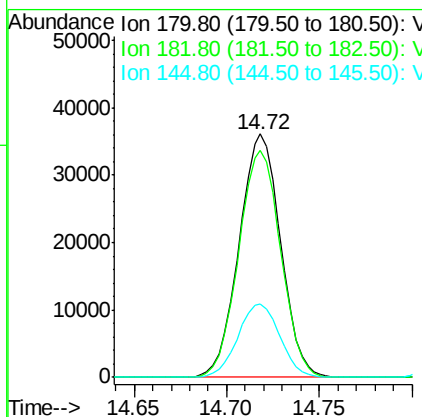
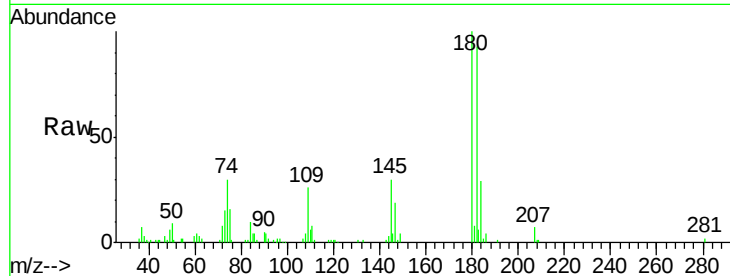
#93
 1,2,4-Trichlorobenzene
 Concen: 19.257 ug/l
 RT: 14.72 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion:	180	Resp:	55830
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.7
145	30.4	15.2	45.5

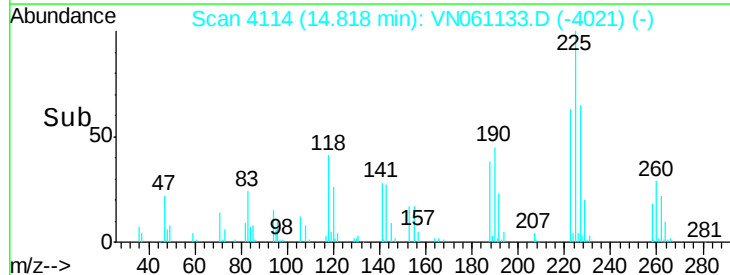
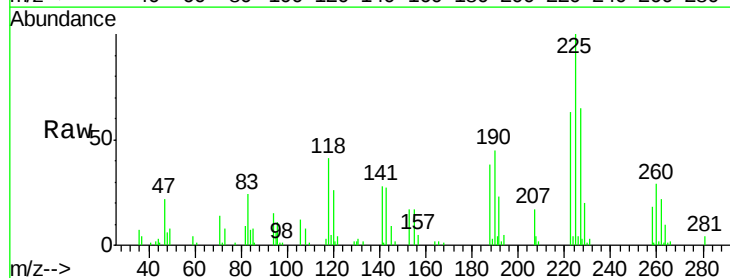
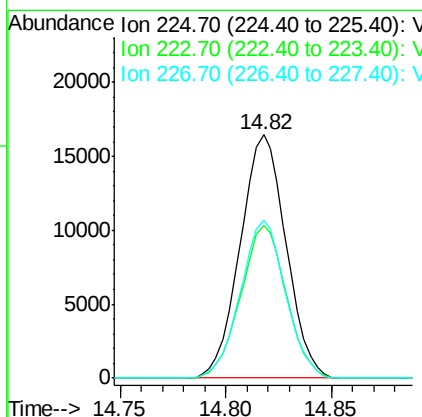
Manual Integrations
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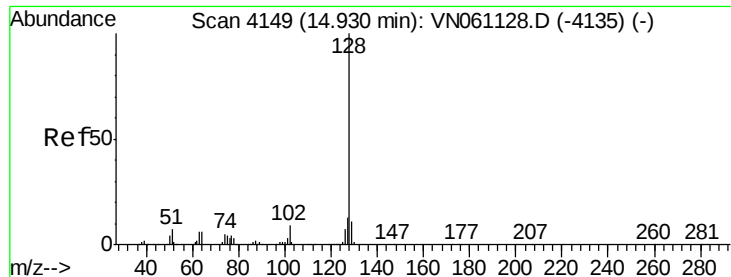
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#94
 Hexachlorobutadiene
 Concen: 19.579 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion:	225	Resp:	24754
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.6	95.0
227	63.7	32.0	96.2





#95

Naphthalene

Concen: 18.873 ug/l

RT: 14.93 min Scan# 4149

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_N

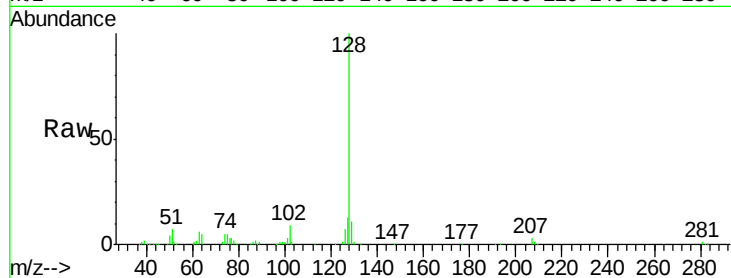
ClientSampleId :

VN0422WBS01

Tot Ion:	128	Resp:	168939
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.9	8.6	12.8

Manual Integrations
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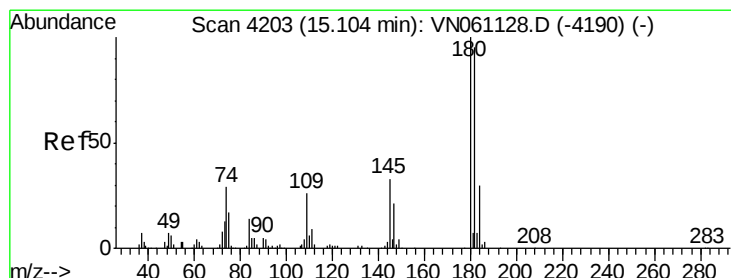
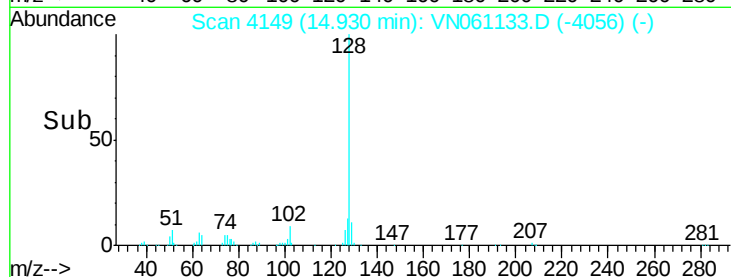
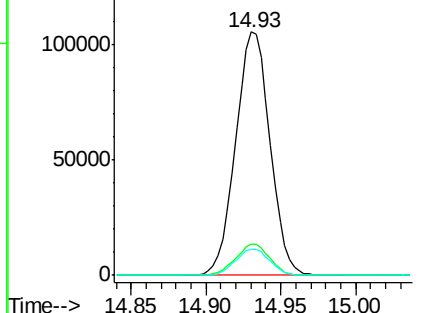
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.204 ug/l

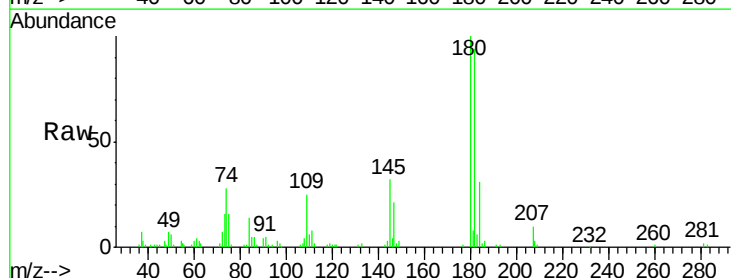
RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion:	180	Resp:	53501
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.7	143.1
145	33.0	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

