

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061005.D
 Acq On : 16 Apr 2020 11:56
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:01 AM

Quant Time: Apr 16 13:02:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	161261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	274107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	246269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	41782	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
35) Dibromofluoromethane	7.56	113	32529	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
50) Toluene-d8	10.08	98	118097	18.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.18%	
62) 4-Bromofluorobenzene	12.39	95	46096	18.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42276	25.555	ug/l	97
3) Chloromethane	2.04	50	59411	20.344	ug/l	98
4) Vinyl Chloride	2.17	62	49281	21.419	ug/l	97
5) Bromomethane	2.55	94	24481	23.868	ug/l	99
6) Chloroethane	2.69	64	28549	21.536	ug/l	99
7) Trichlorofluoromethane	3.00	101	61580	21.654	ug/l	100
8) Diethyl Ether	3.38	74	24007	21.108	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34688	21.170	ug/l	99
10) Methyl Iodide	3.93	142	28871	19.594	ug/l	99
11) Tert butyl alcohol	4.72	59	36177	108.467	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35936	20.527	ug/l	97
13) Acrolein	3.57	56	29019	83.543	ug/l	99
14) Allyl chloride	4.29	41	70854	22.743	ug/l	93
15) Acrylonitrile	4.94	53	103195	106.758	ug/l	99
16) Acetone	3.78	43	96994	119.125	ug/l	99
17) Carbon Disulfide	4.03	76	112079	20.994	ug/l	98
18) Methyl Acetate	4.28	43	59148	25.458	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	122558	20.296	ug/l	99
20) Methylene Chloride	4.52	84	39834	20.567	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38569	20.674	ug/l	97
22) Diisopropyl ether	5.91	45	140921	21.518	ug/l	98
23) Vinyl Acetate	5.86	43	550476	103.595	ug/l	100
24) 1,1-Dichloroethane	5.81	63	75848	21.253	ug/l	99
25) 2-Butanone	6.80	43	141550	109.325	ug/l	99
26) 2,2-Dichloropropane	6.79	77	63544	22.283	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43849	20.627	ug/l	99
28) Bromochloromethane	7.17	49	36107	21.257	ug/l	99
29) Tetrahydrofuran	7.17	42	96834	106.623	ug/l	99
30) Chloroform	7.34	83	70944	20.794	ug/l	99
31) Cyclohexane	7.63	56	74949	20.731	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	60680	20.710	ug/l	99
36) 1,1-Dichloropropene	7.77	75	55614	20.789	ug/l	99
37) Ethyl Acetate	6.89	43	62009	21.343	ug/l	100
38) Carbon Tetrachloride	7.75	117	46969	19.712	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65768	20.607	ug/l	97
40) Benzene	8.02	78	167261	20.735	ug/l	99
41) Methacrylonitrile	7.14	41	24656m	19.863	ug/l	
42) 1,2-Dichloroethane	8.10	62	58625	21.242	ug/l	99
43) Isopropyl Acetate	8.14	43	100034	20.937	ug/l	100
44) Trichloroethene	8.81	130	41472	20.492	ug/l	100
45) 1,2-Dichloropropane	9.10	63	45500	21.335	ug/l	97
46) Dibromomethane	9.19	93	26660	20.778	ug/l	99
47) Bromodichloromethane	9.38	83	55142	20.607	ug/l	98
48) Methyl methacrylate	9.18	41	43516	20.411	ug/l	98
49) 1,4-Dioxane	9.17	88	11586	451.278	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	290844	106.784	ug/l	99
52) Toluene	10.14	92	98814	20.304	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64449	20.953	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	69821	20.643	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	38699	20.671	ug/l	98
56) Ethyl methacrylate	10.42	69	60336	20.647	ug/l	99
57) 1,3-Dichloropropane	10.70	76	68817	21.141	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	137876	98.895	ug/l	99
59) 2-Hexanone	10.74	43	208554	106.334	ug/l	100
60) Dibromochloromethane	10.89	129	39024	20.247	ug/l	99
61) 1,2-Dibromoethane	10.99	107	39230	20.908	ug/l	99
64) Tetrachloroethene	10.62	164	37769	19.589	ug/l	97
65) Chlorobenzene	11.42	112	100711	20.509	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	36674	20.658	ug/l	99
67) Ethyl Benzene	11.50	91	188449	20.635	ug/l	99
68) m/p-Xylenes	11.61	106	137213	40.594	ug/l	99
69) o-Xylene	11.94	106	66215	20.526	ug/l	99
70) Styrene	11.96	104	106893	20.238	ug/l	99
71) Bromoform	12.12	173	27393	20.704	ug/l #	99
73) Isopropylbenzene	12.24	105	177402	21.190	ug/l	100
74) N-amyl acetate	12.06	43	82663	21.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55985	21.999	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49384m	20.558	ug/l	
77) Bromobenzene	12.52	156	41870	20.834	ug/l	98
78) n-propylbenzene	12.58	91	209653	21.128	ug/l	100
79) 2-Chlorotoluene	12.67	91	122540	20.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	148198	20.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19105	20.320	ug/l	99
82) 4-Chlorotoluene	12.77	91	127006	21.067	ug/l	100
83) tert-Butylbenzene	12.99	119	124028	21.039	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	148563	21.137	ug/l	99
85) sec-Butylbenzene	13.17	105	166914	21.005	ug/l	100
86) p-Isopropyltoluene	13.28	119	149179	20.897	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	73659	20.706	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	73788	20.675	ug/l	98
89) n-Butylbenzene	13.61	91	135696	20.950	ug/l	100
90) Hexachloroethane	13.87	117	22555	21.670	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	70581	20.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10783	18.911	ug/l	98

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QLast Update : Thu Apr 16 12:43:37 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	42942	20.629	ug/l	98
94) Hexachlorobutadiene	15.00	225	20999	20.407	ug/l	100
95) Naphthalene	15.13	128	125769	20.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41030	20.007	ug/l	99

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

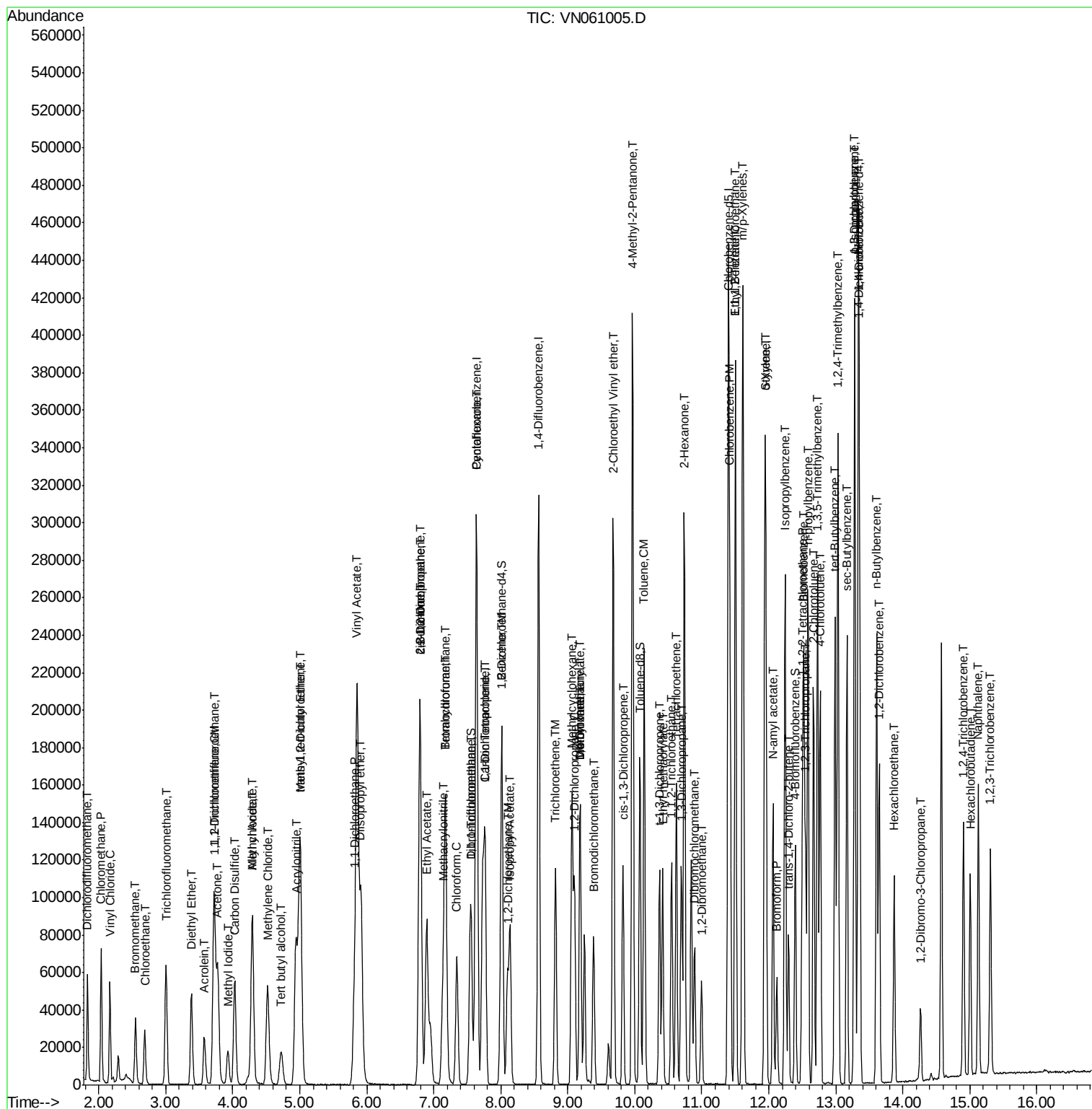
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041620\
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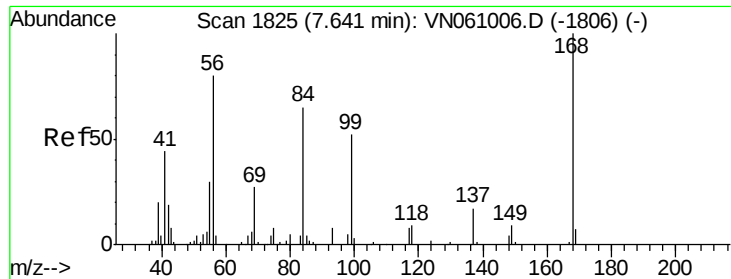
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 161261

Ion Ratio Lower Upper

168 100

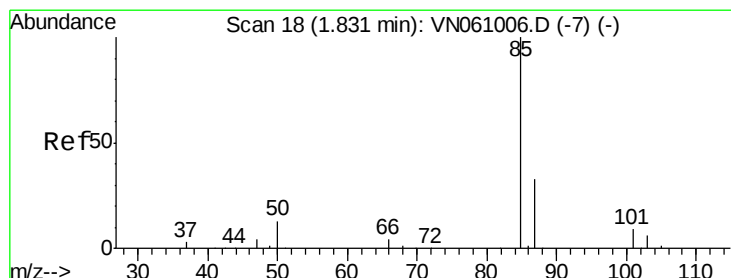
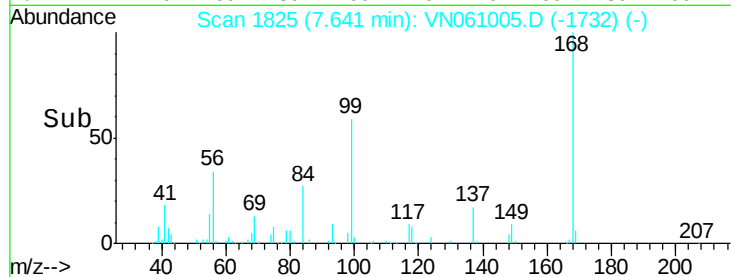
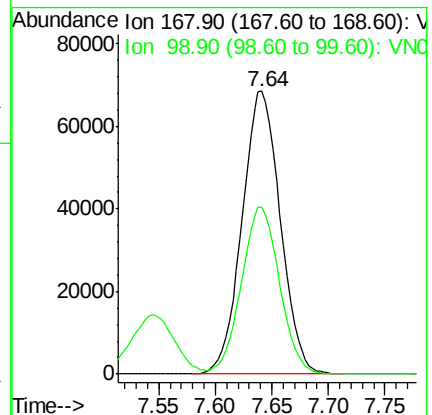
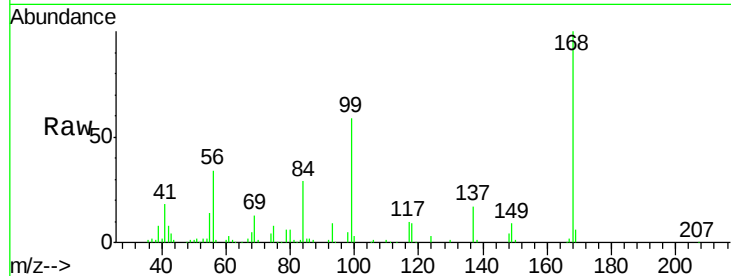
99 58.8 47.4 71.2

Manual Integrations

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4/17/2020 11:53:01 AM



#2

Dichlorodifluoromethane

Concen: 25.555 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061005.D

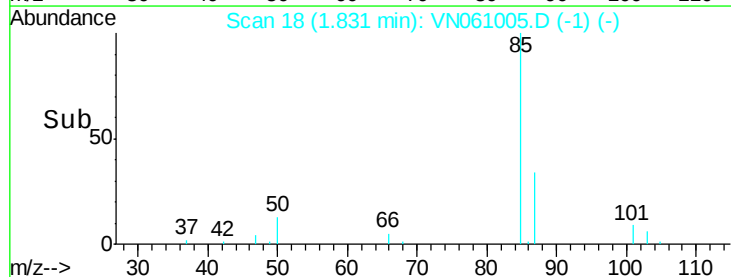
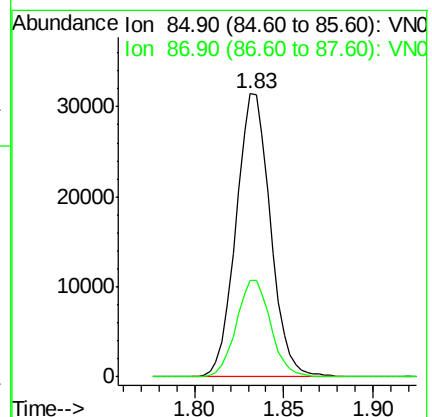
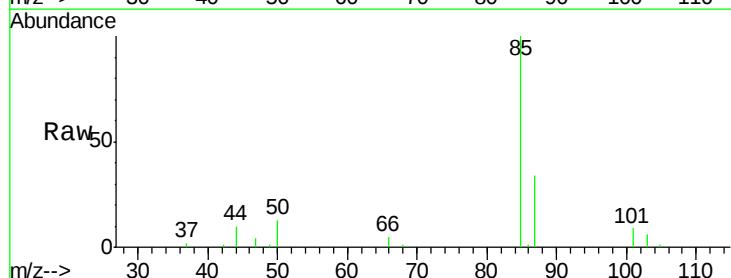
Acq: 16 Apr 2020 11:56

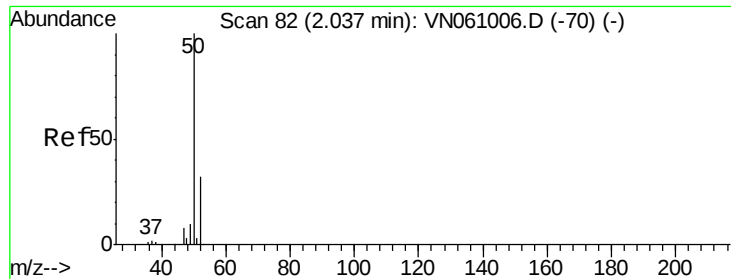
Tgt Ion: 85 Resp: 42276

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.9





#3

Chloromethane

Concen: 20.344 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 59411

Ion Ratio Lower Upper

50 100

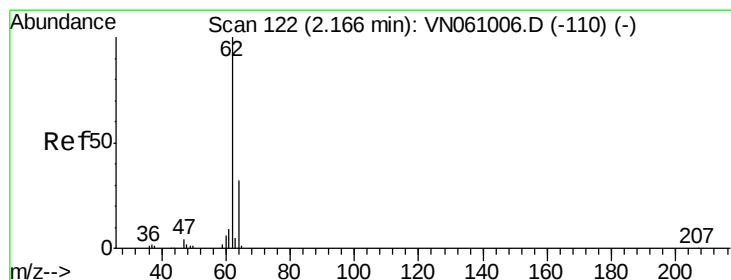
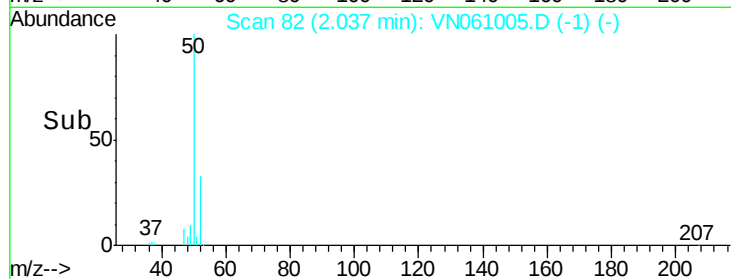
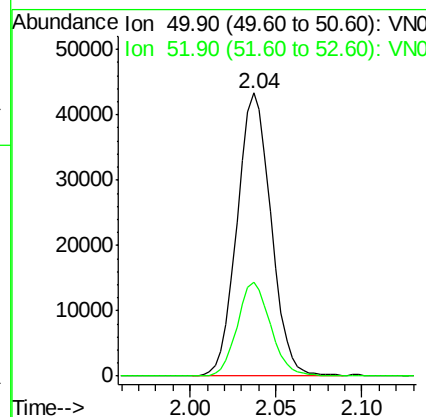
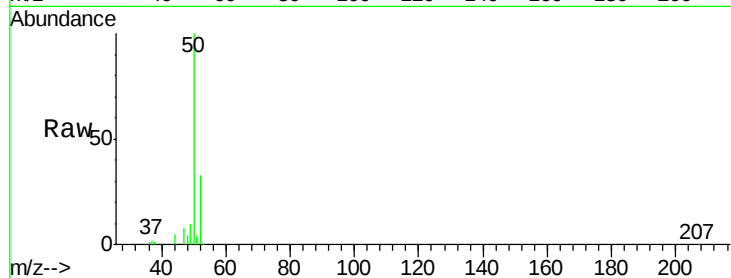
52 33.1 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.419 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN061005.D

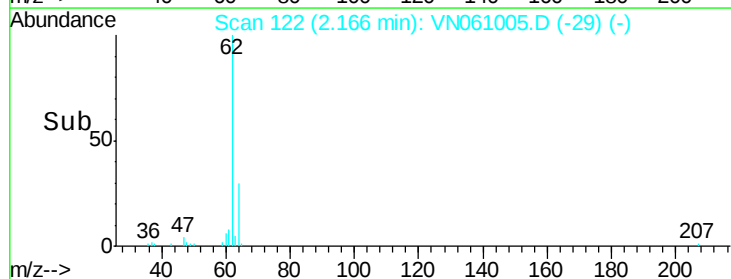
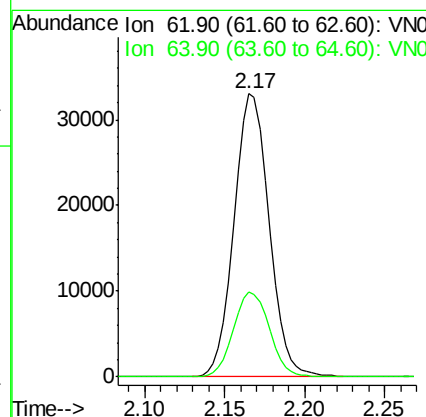
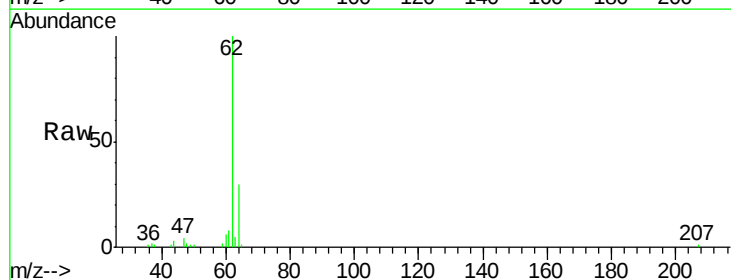
Acq: 16 Apr 2020 11:56

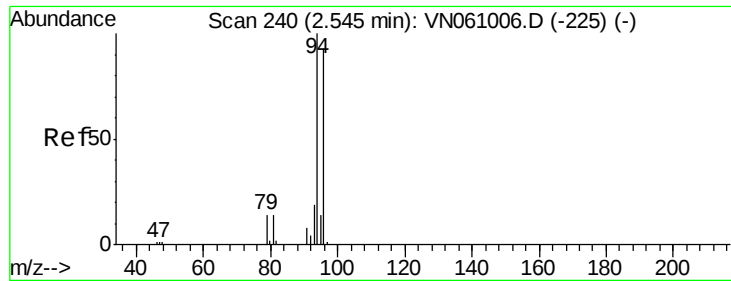
Tgt Ion: 62 Resp: 49281

Ion Ratio Lower Upper

62 100

64 30.1 25.4 38.0





#5

Bromomethane

Concen: 23.868 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 24481

Ion Ratio Lower Upper

94 100

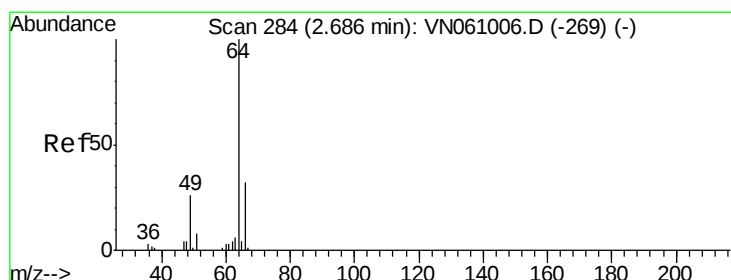
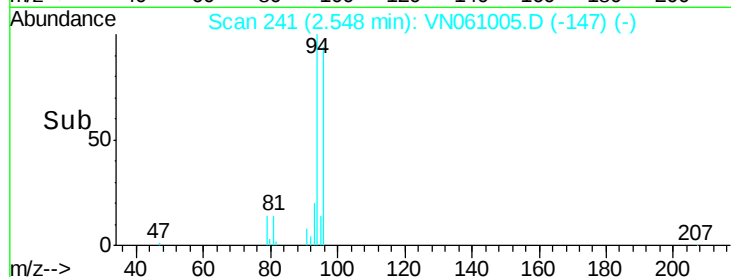
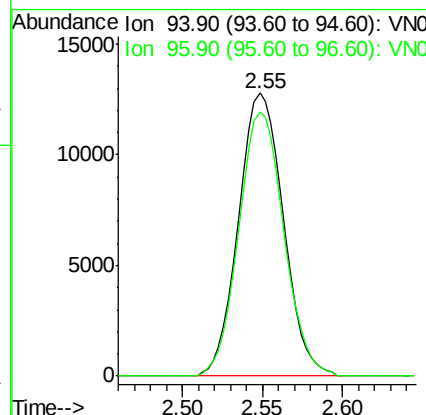
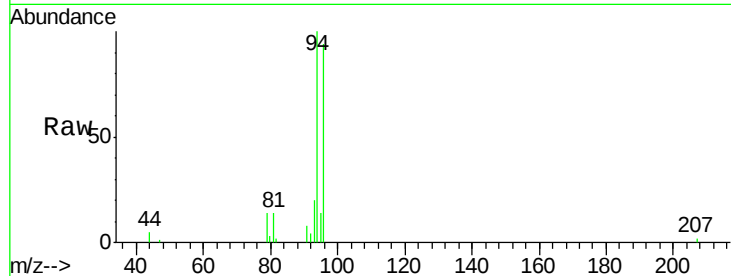
96 93.6 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 21.536 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN061005.D

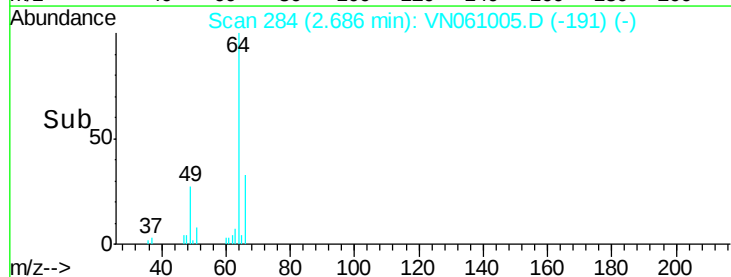
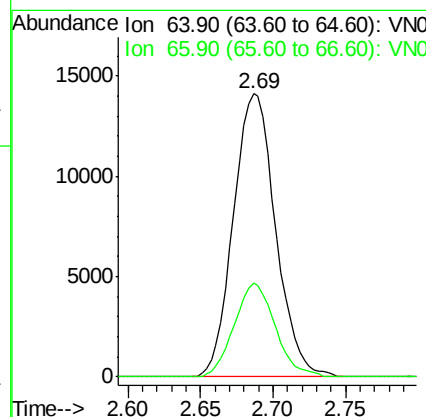
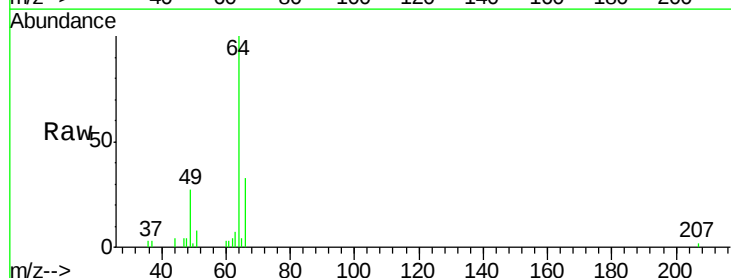
Acq: 16 Apr 2020 11:56

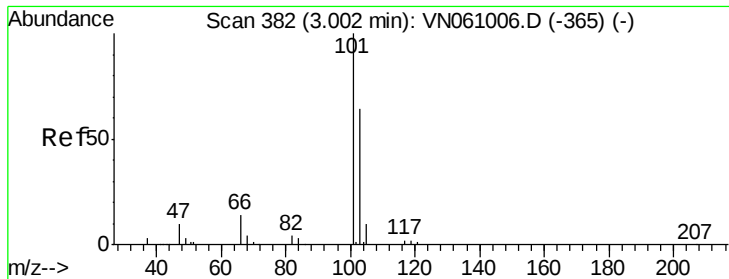
Tgt Ion: 64 Resp: 28549

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.8





#7

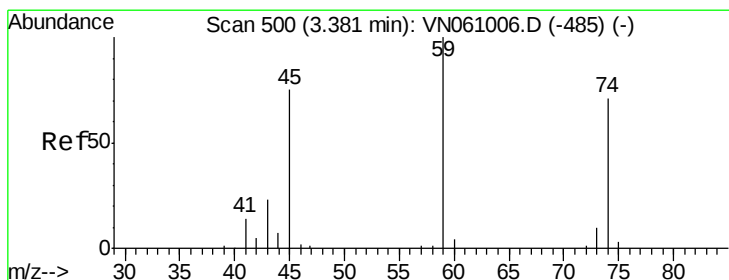
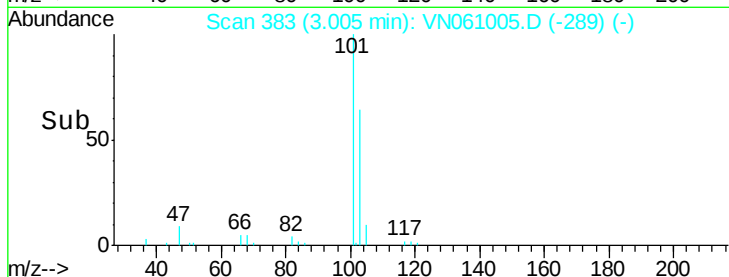
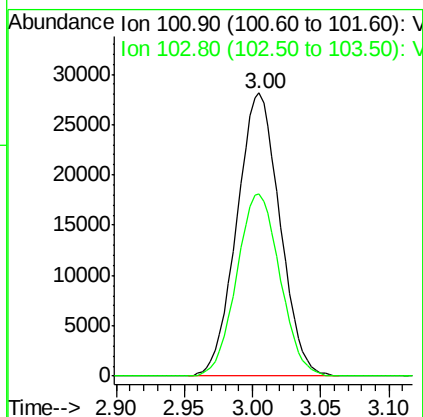
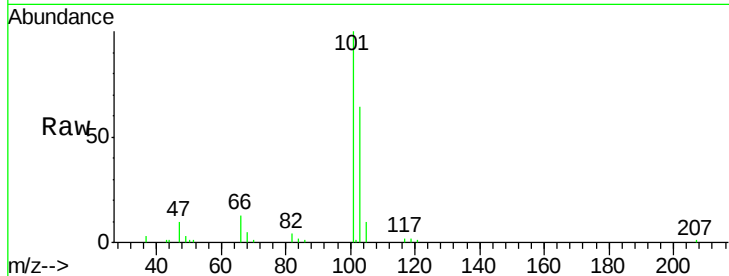
Trichlorofluoromethane
Concen: 21.654 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

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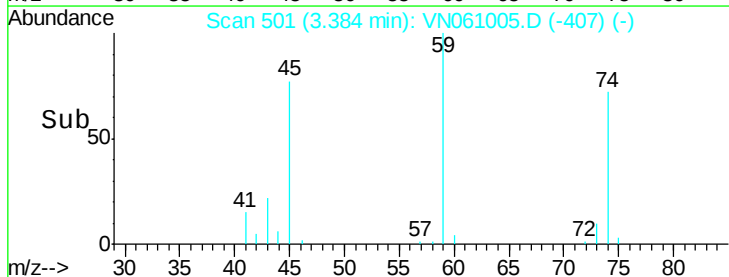
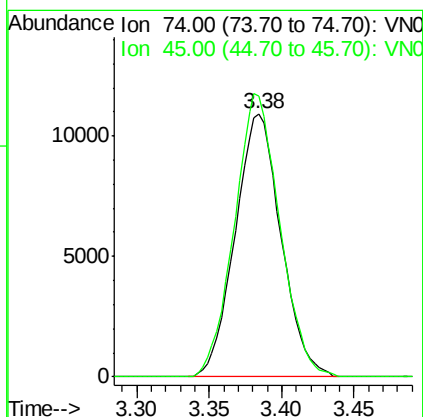
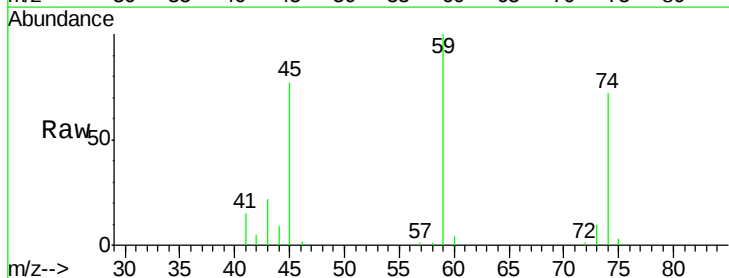
MMDadoda
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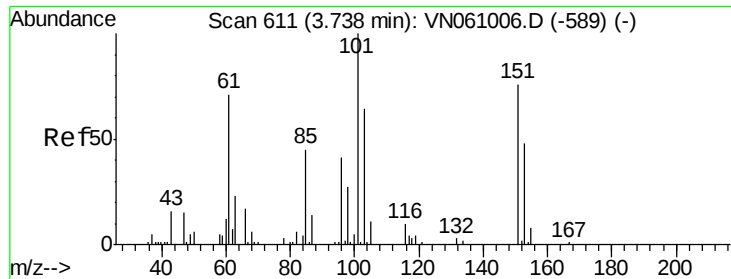


#8

Diethyl Ether
Concen: 21.108 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.170 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

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MSVOA_N

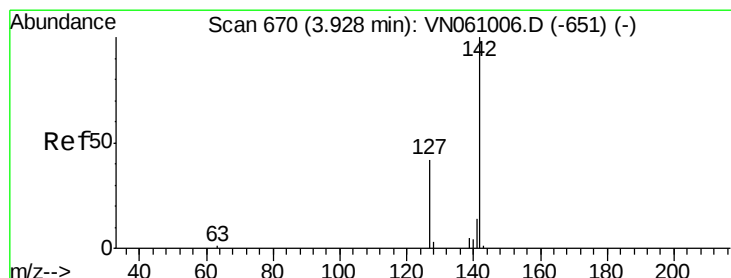
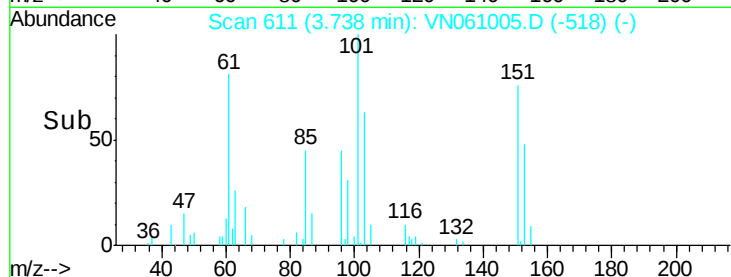
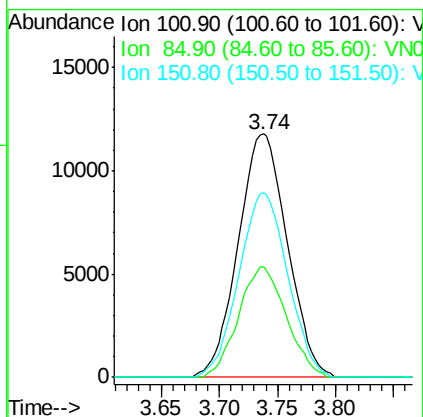
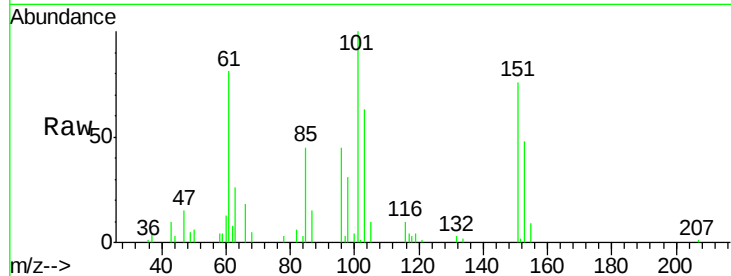
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	34688
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.9	53.9
151	75.5	60.8	91.2

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#10

Methyl Iodide

Concen: 19.594 ug/l

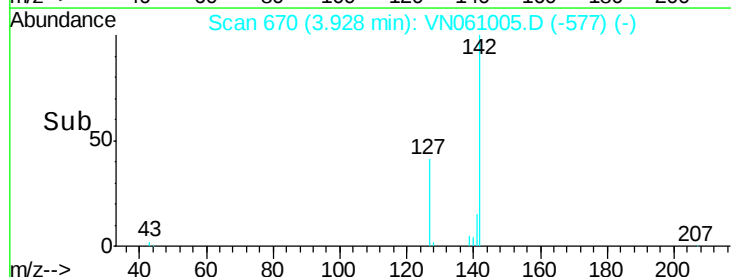
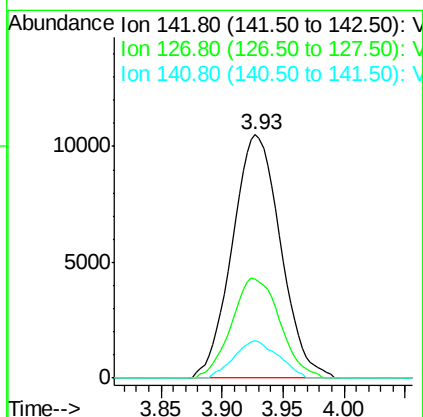
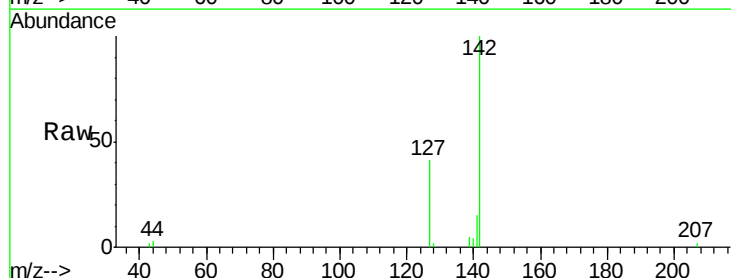
RT: 3.93 min Scan# 670

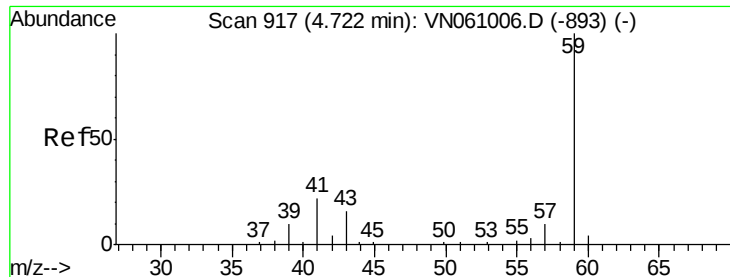
Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	142	Resp:	28871
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.4	50.2
141	14.1	11.0	16.6





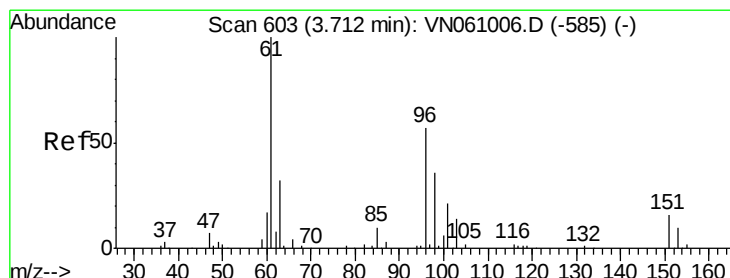
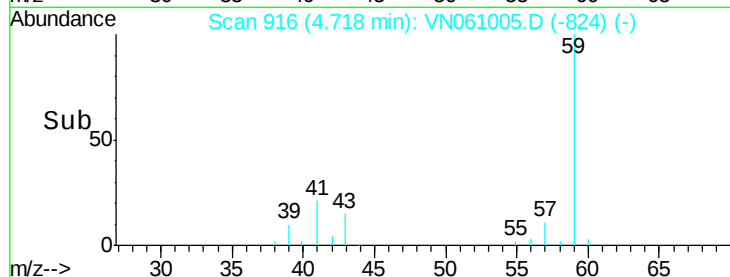
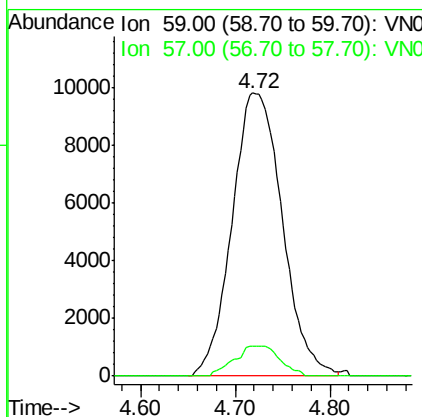
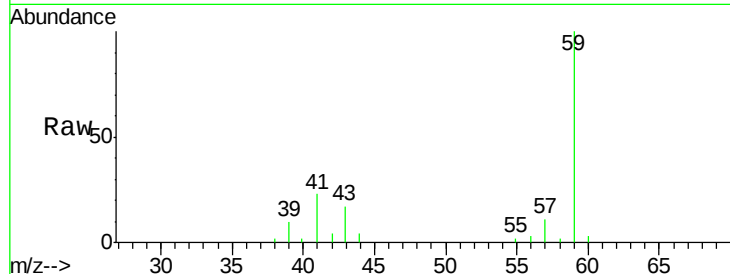
#11
Tert butyl alcohol
Concen: 108.467 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 59 Resp: 36177
Ion Ratio Lower Upper
59 100
57 9.6 8.1 12.1

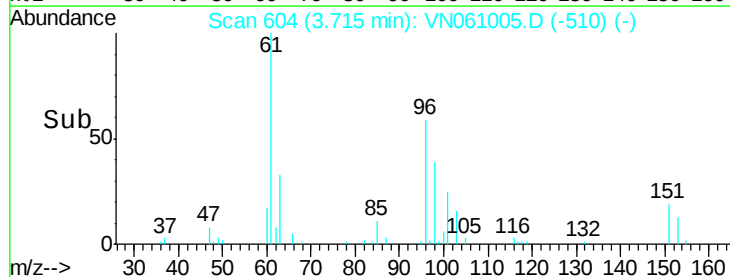
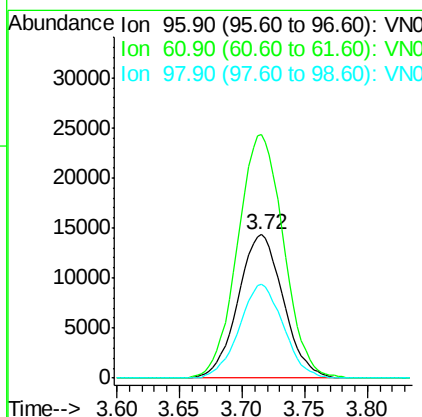
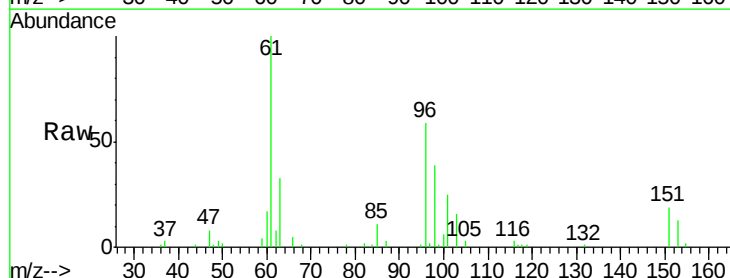
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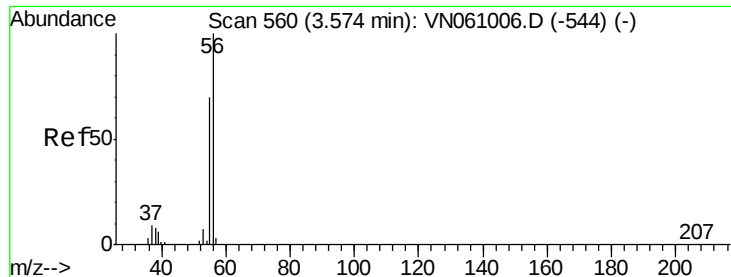
MMDadoda
4/17/2020 11:53:01 AM



#12
1,1-Dichloroethene
Concen: 20.527 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 96 Resp: 35936
Ion Ratio Lower Upper
96 100
61 169.4 139.2 208.8
98 65.4 50.0 75.0





#13

Acrolein

Concen: 83.543 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 29019

Ion Ratio Lower Upper

56 100

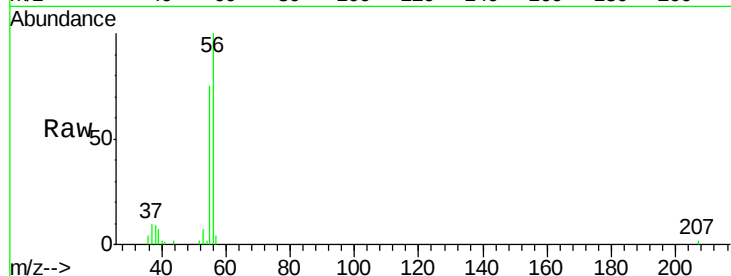
55 71.8 57.0 85.6

Manual Integrations

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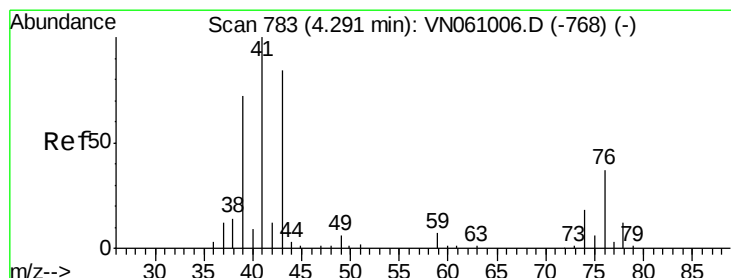
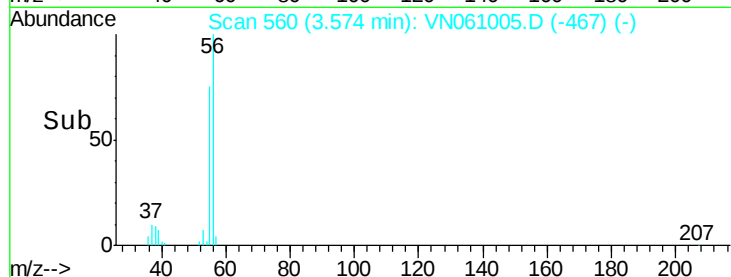
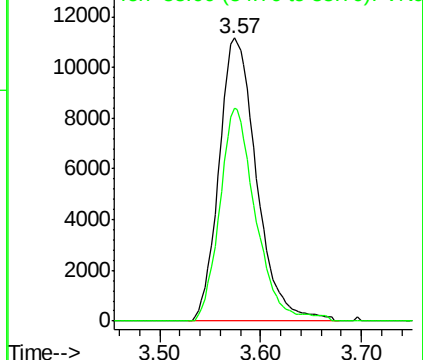
MMDadoda

4/17/2020 11:53:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.743 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

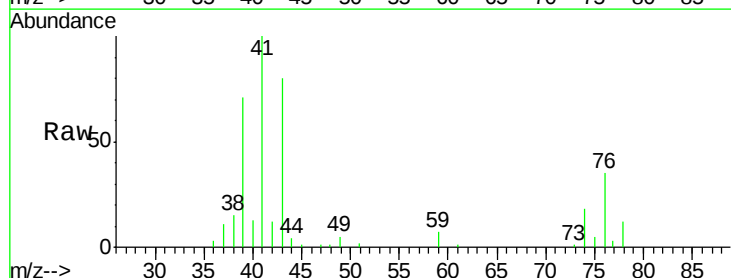
Tgt Ion: 41 Resp: 70854

Ion Ratio Lower Upper

41 100

39 64.6 56.3 84.5

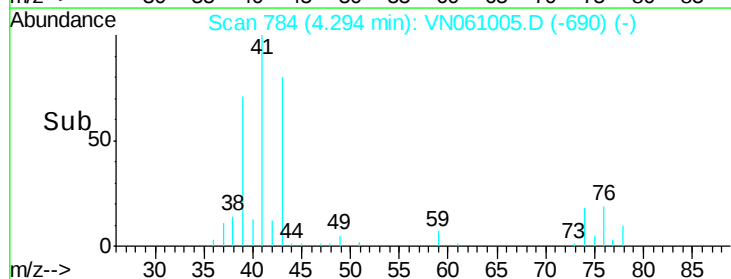
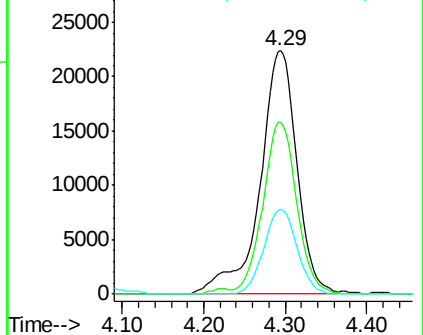
76 31.3 27.7 41.5

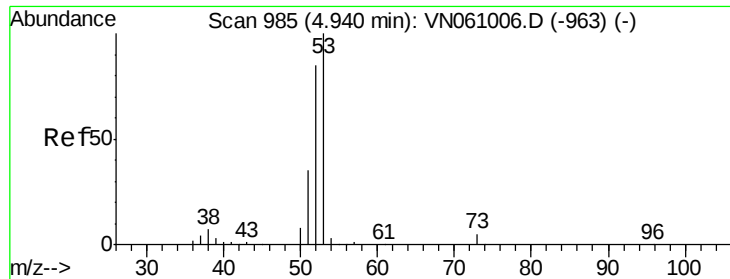


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.758 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

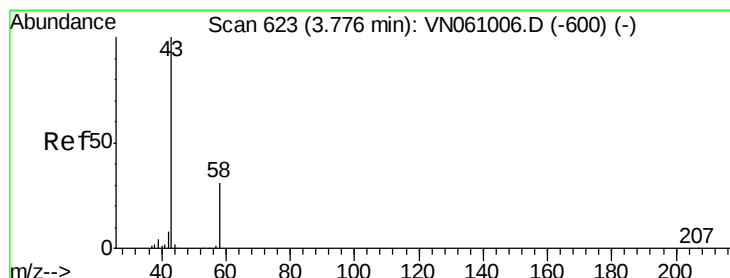
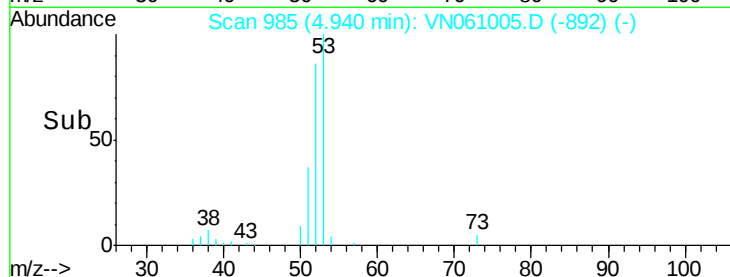
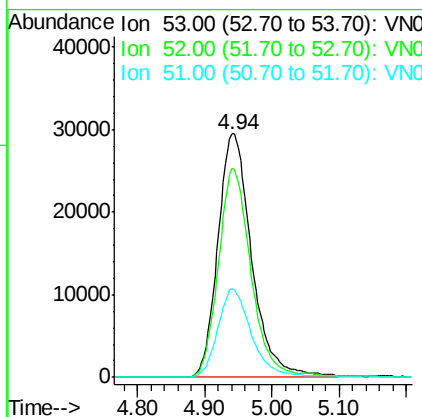
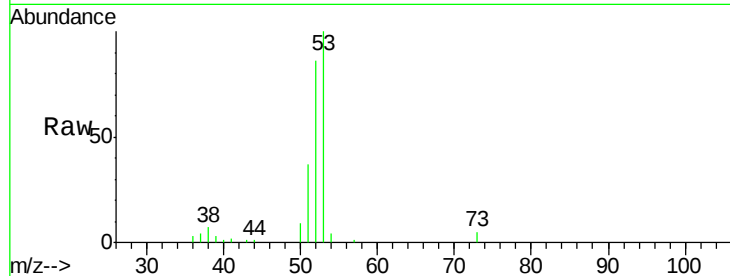
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	103195
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.8	100.2
51	36.0	28.9	43.3

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#16

Acetone

Concen: 119.125 ug/l

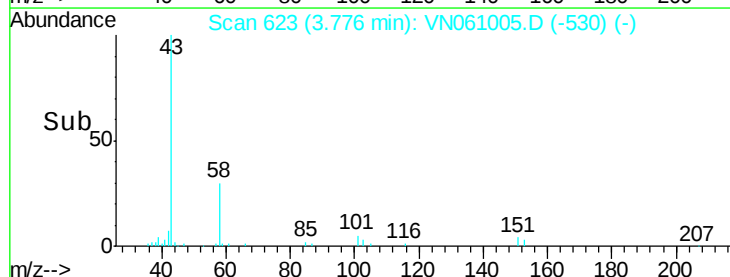
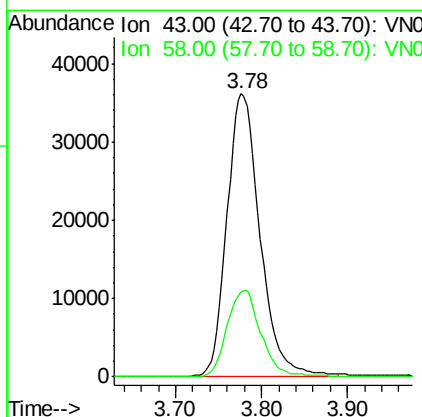
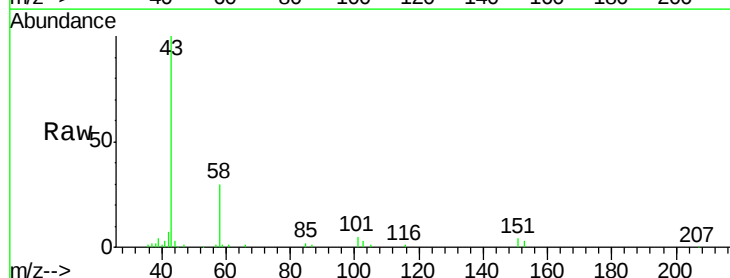
RT: 3.78 min Scan# 623

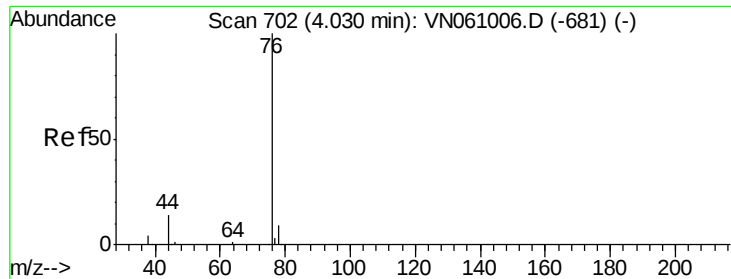
Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	43	Resp:	96994
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	37.0





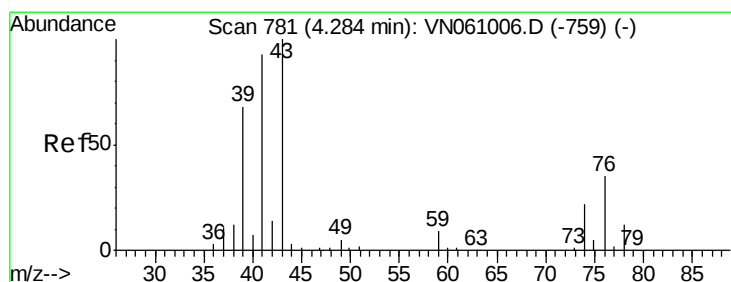
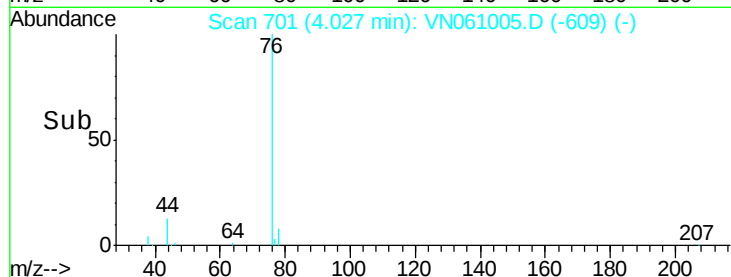
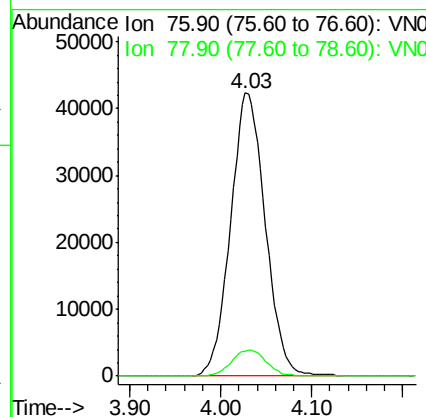
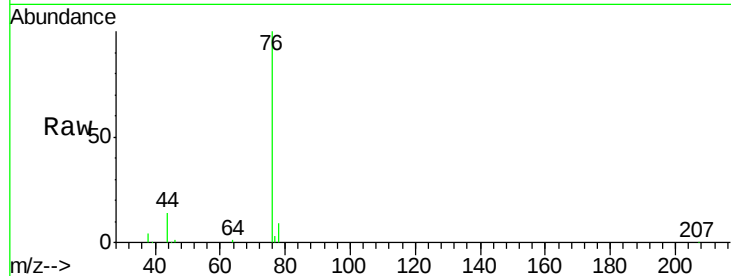
#17
Carbon Disulfide
Concen: 20.994 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 112079
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4

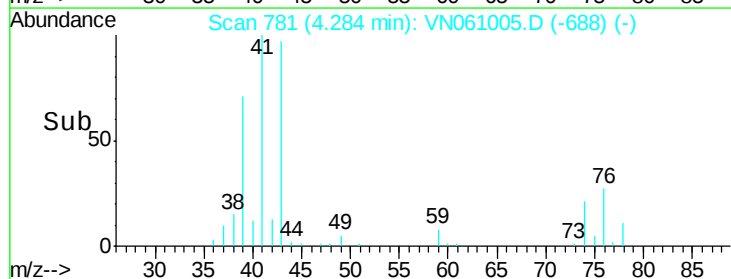
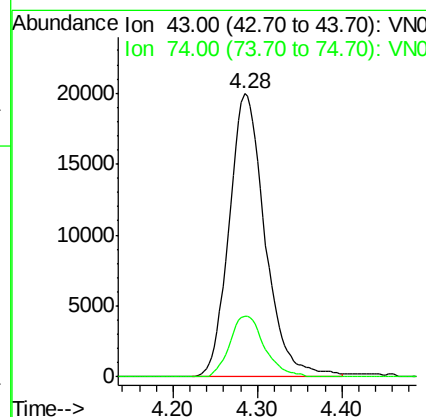
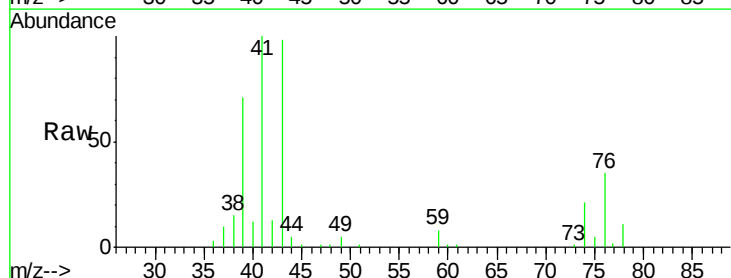
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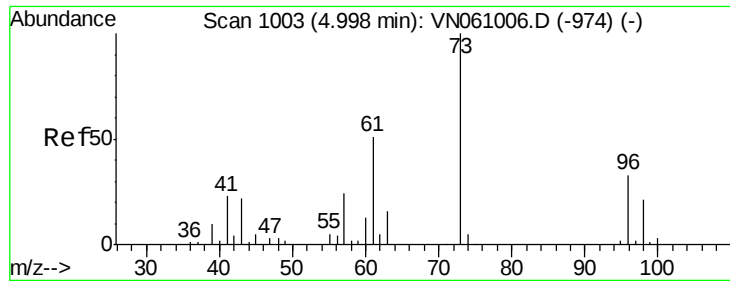
MMDadoda
4/17/2020 11:53:01 AM



#18
Methyl Acetate
Concen: 25.458 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 43 Resp: 59148
Ion Ratio Lower Upper
43 100
74 20.7 17.4 26.0





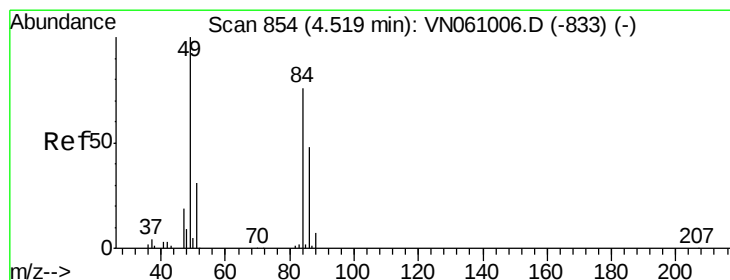
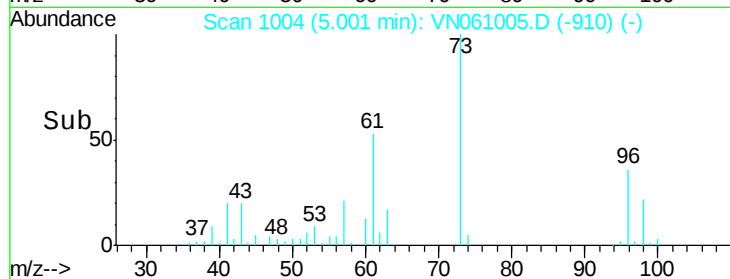
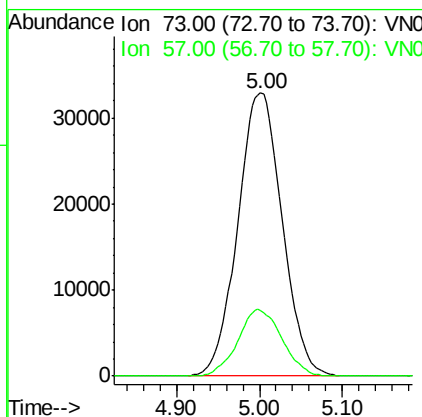
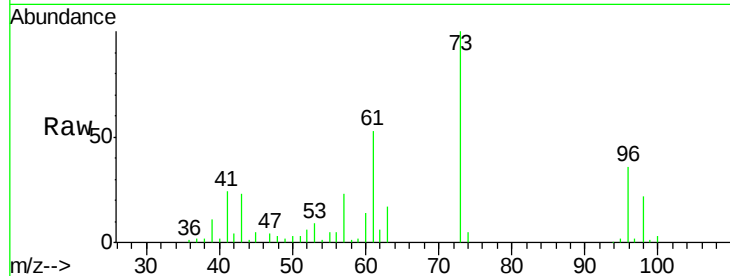
#19
Methvl tert-butvl Ether
Concen: 20.296 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 122558
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4

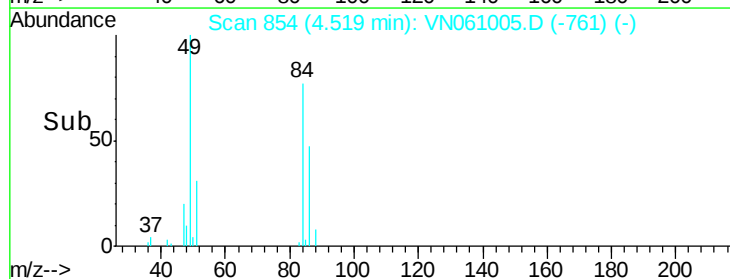
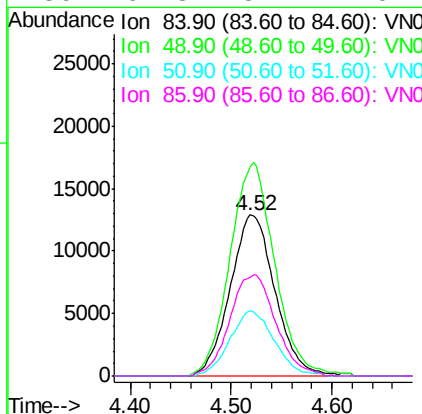
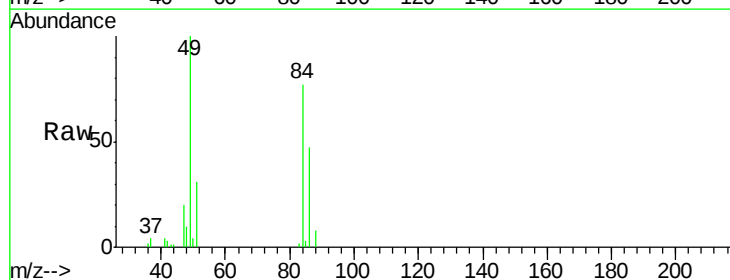
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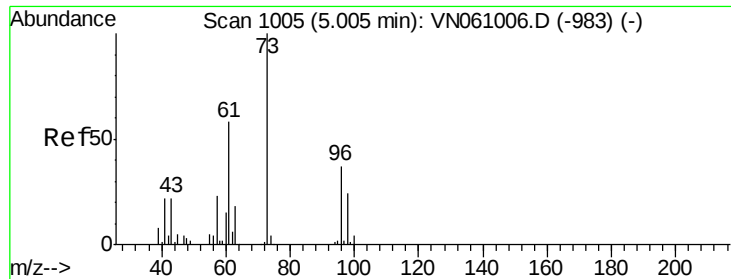
MMDadoda
4/17/2020 11:53:01 AM



#20
Methylene Chloride
Concen: 20.567 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 84 Resp: 39834
Ion Ratio Lower Upper
84 100
49 129.6 105.8 158.6
51 40.8 32.4 48.6
86 61.3 51.1 76.7





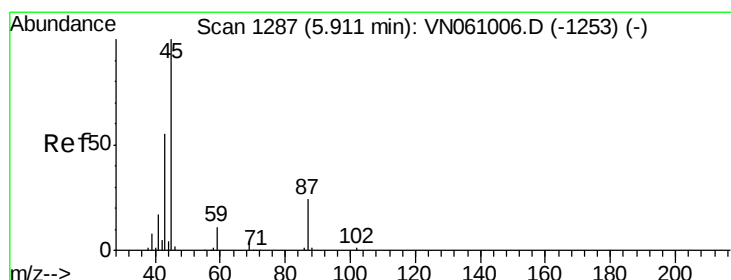
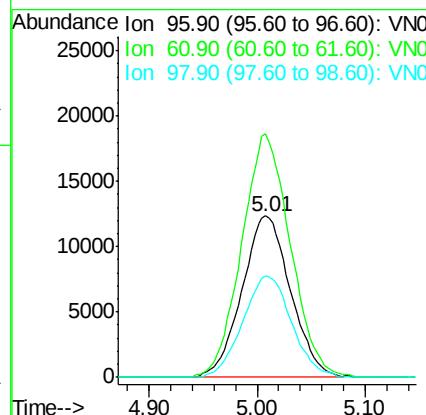
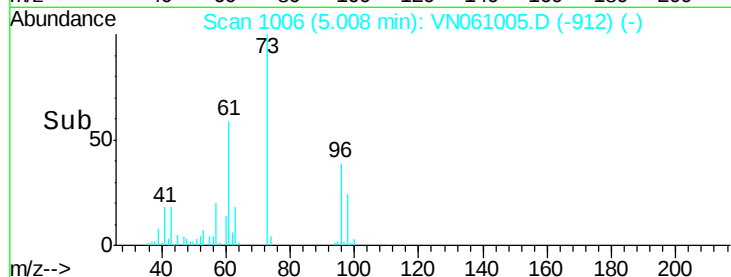
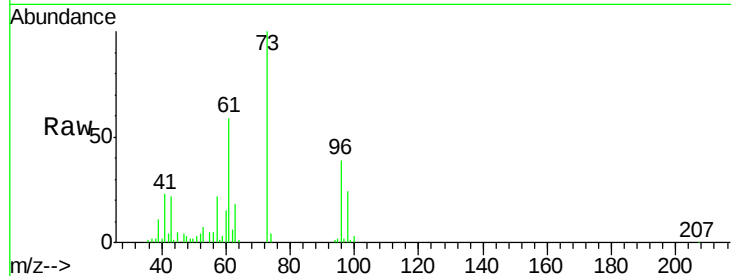
#21
trans-1,2-Dichloroethene
Concen: 20.674 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	124.8	187.2
98	62.7	51.3	76.9

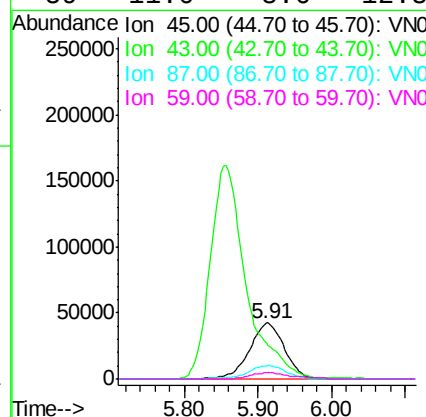
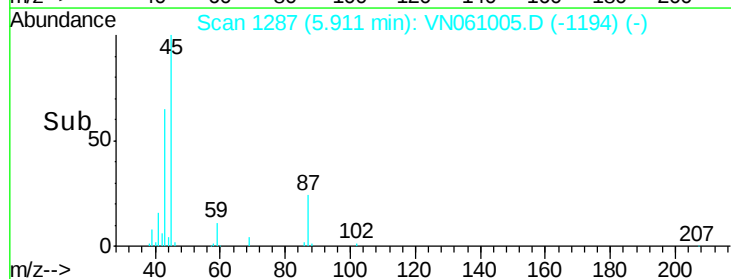
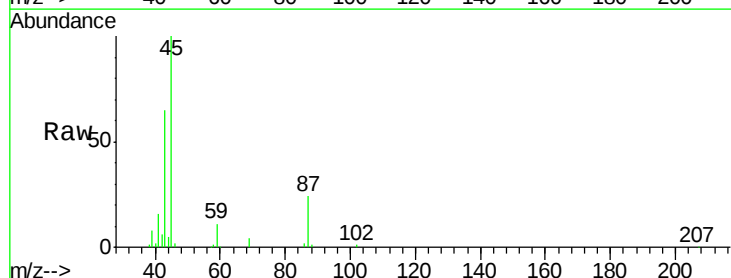
Manual Integrations
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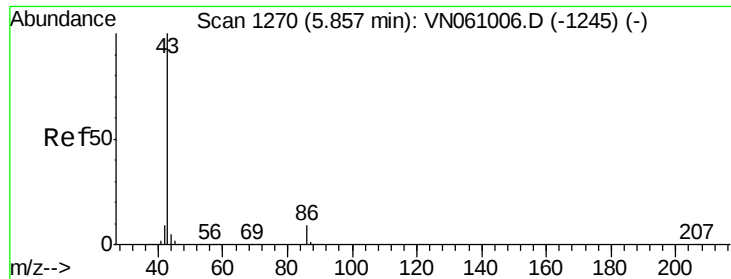
MMDadoda
4/17/2020 11:53:01 AM



#22
Diisopropyl ether
Concen: 21.518 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	48.6	72.8
87	24.1	19.4	29.2
59	11.0	8.6	12.8





#23

Vinyl Acetate

Concen: 103.595 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 550476

Ion Ratio Lower Upper

43 100

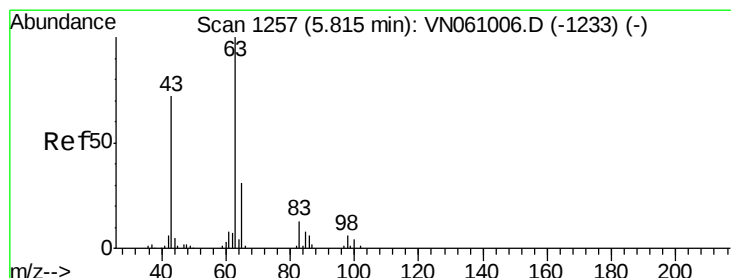
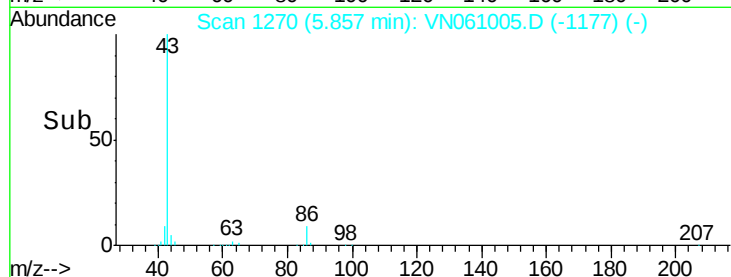
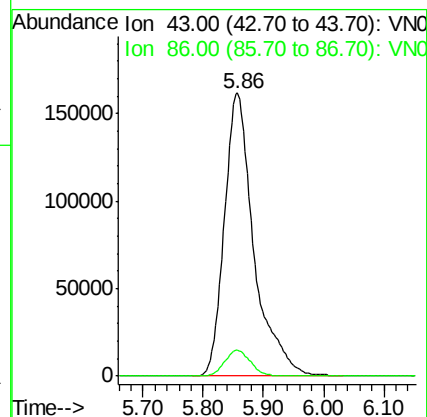
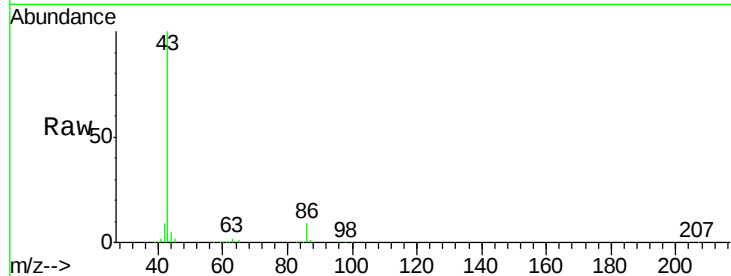
86 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:01 AM



#24

1,1-Dichloroethane

Concen: 21.253 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

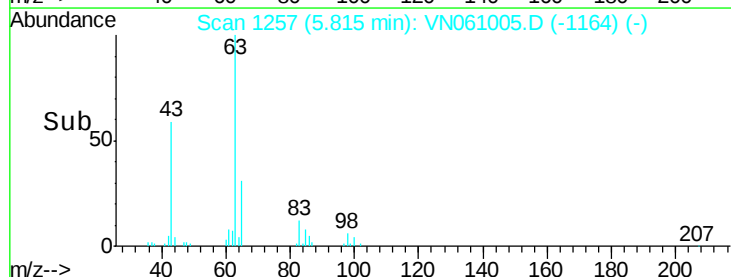
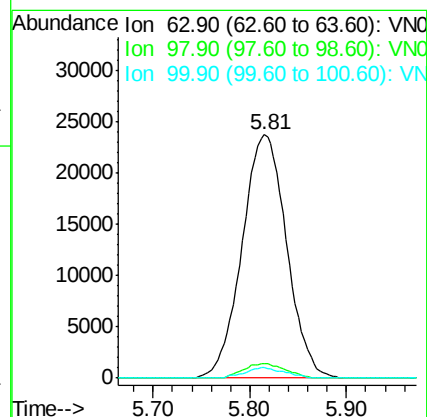
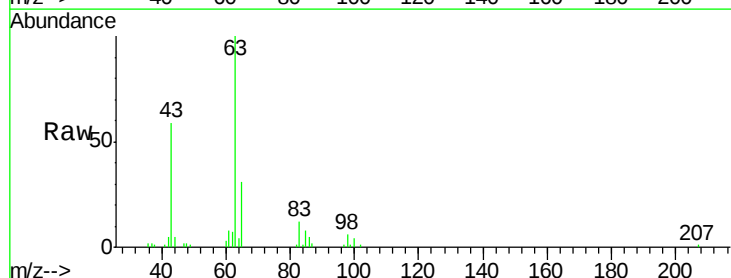
Tgt Ion: 63 Resp: 75848

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.2 2.0 5.8





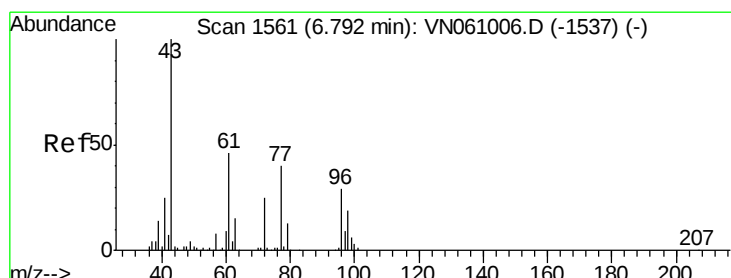
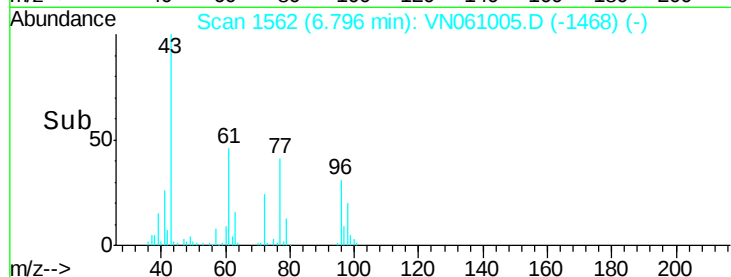
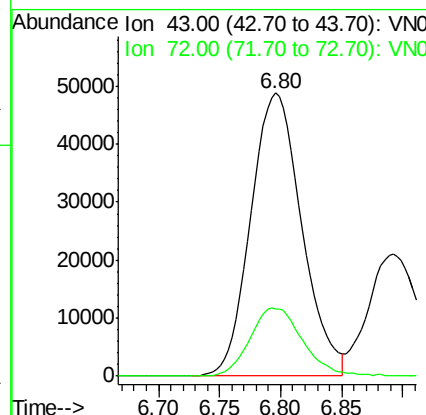
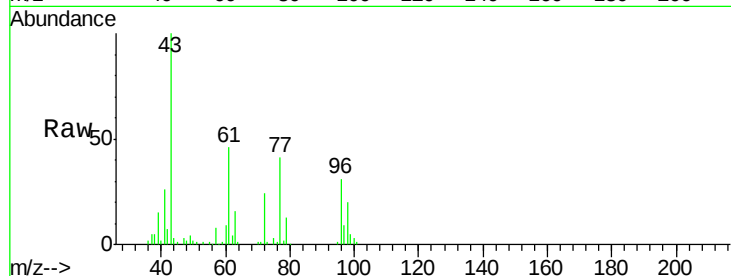
#25
2-Butanone
Concen: 109.325 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 141550
Ion Ratio Lower Upper
43 100
72 23.9 19.6 29.4

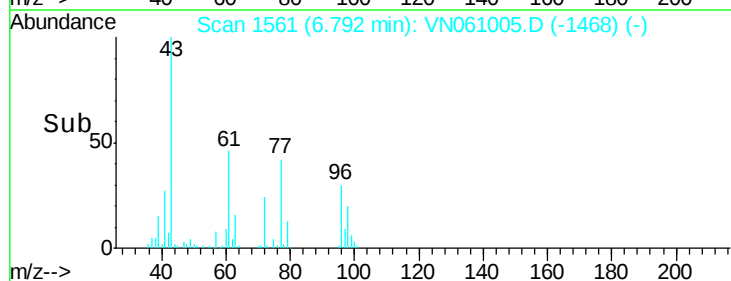
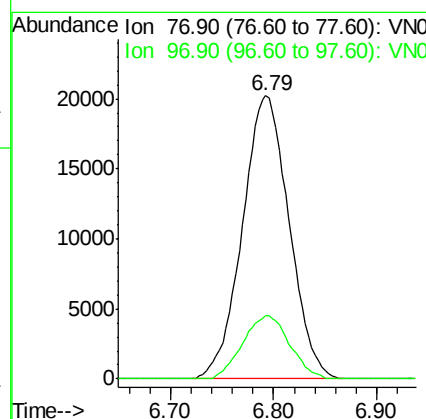
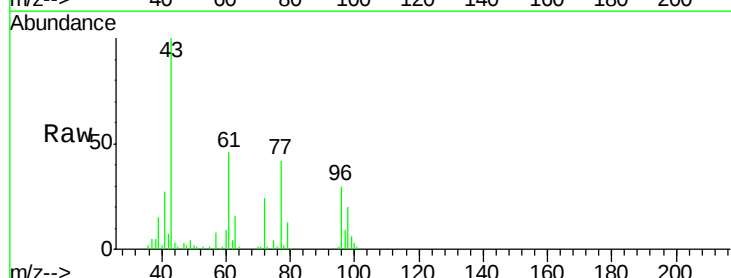
Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:01 AM



#26
2,2-Dichloropropane
Concen: 22.283 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 77 Resp: 63544
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.627 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

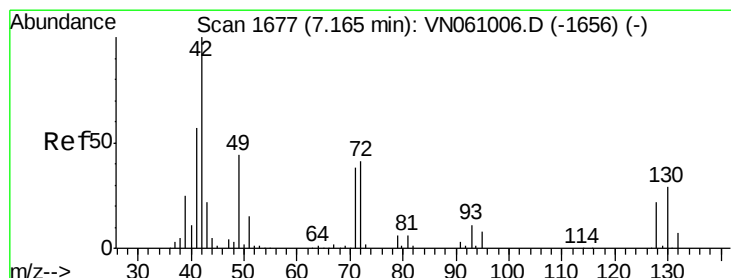
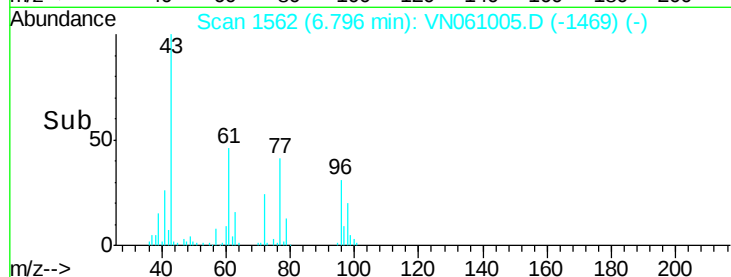
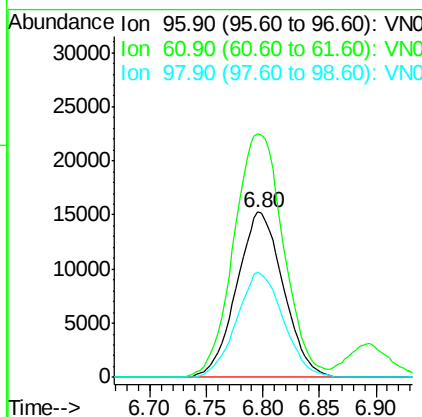
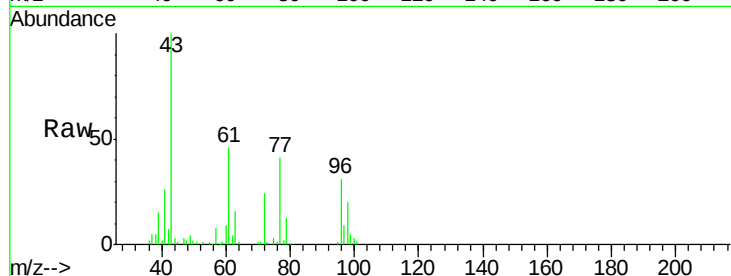
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	43849
Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	317.4
98	63.8	0.0	127.8

Manual Integrations
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MMDadoda
4/17/2020 11:53:01 AM



#28

Bromochloromethane

Concen: 21.257 ug/l

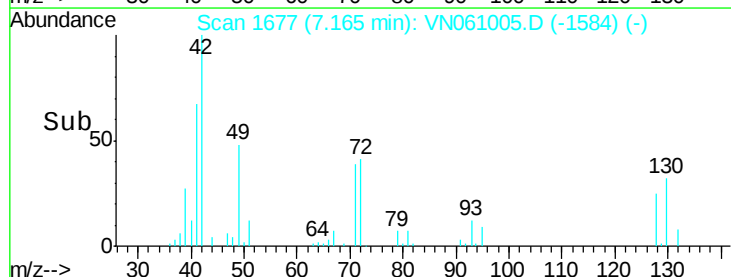
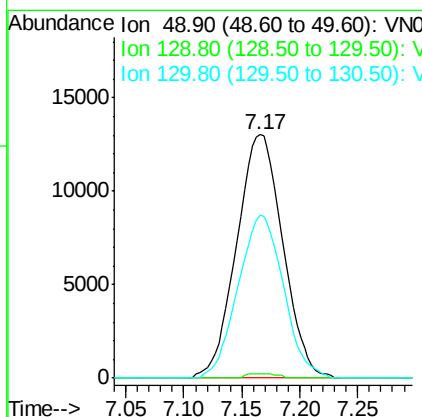
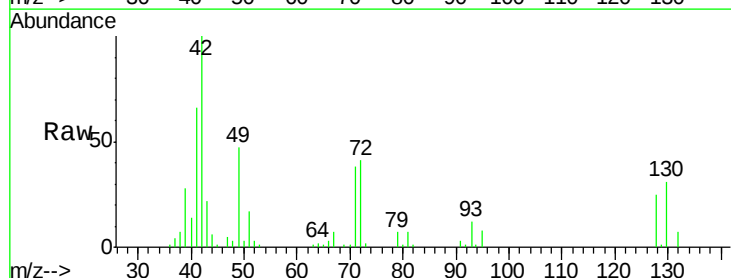
RT: 7.17 min Scan# 1677

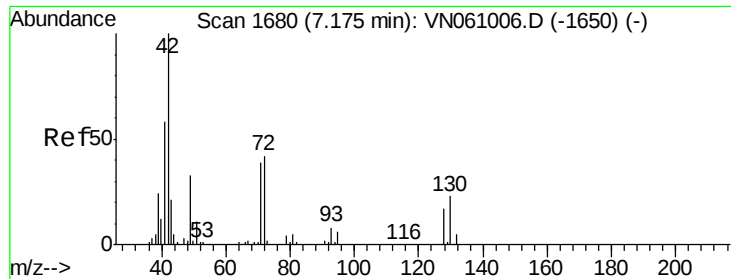
Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	49	Resp:	36107
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	65.6	52.9	79.3





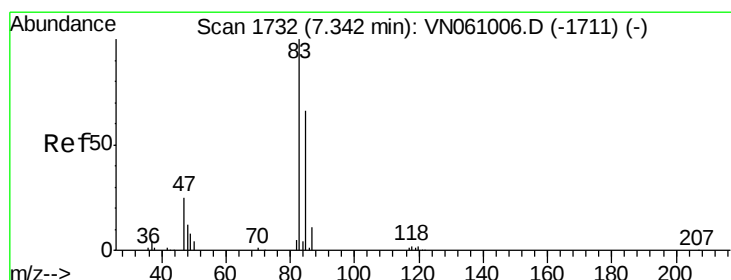
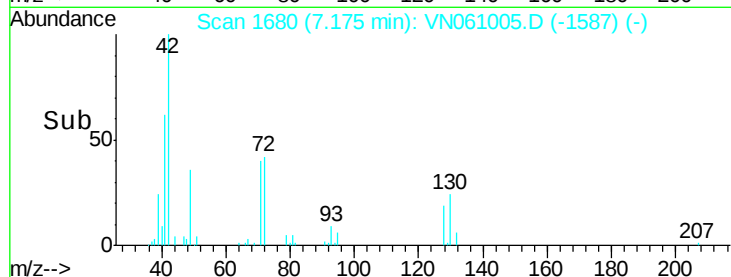
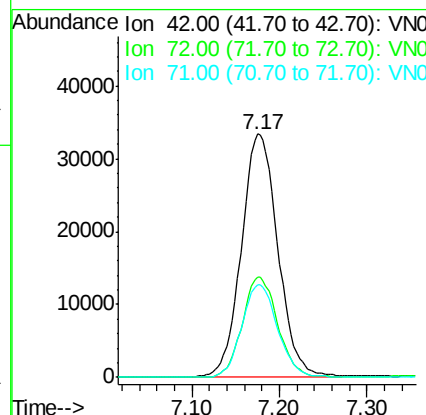
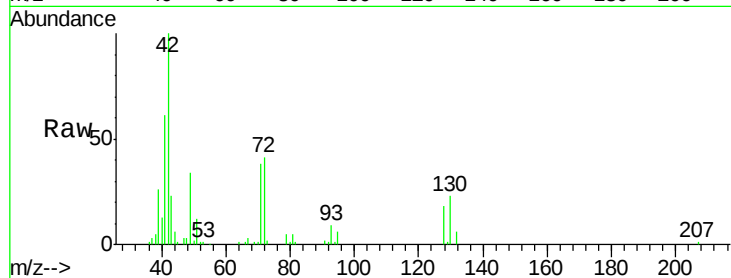
#29
Tetrahydrofuran
Concen: 106.623 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.1	48.1
71	37.4	30.5	45.7

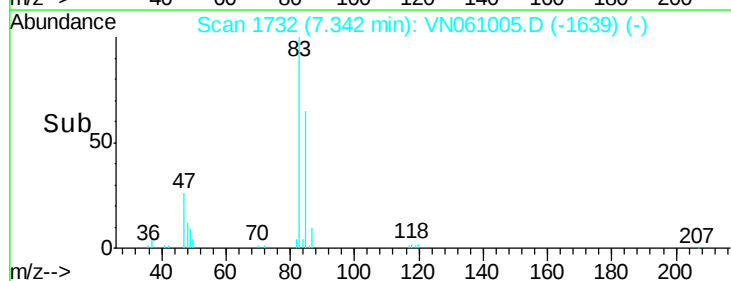
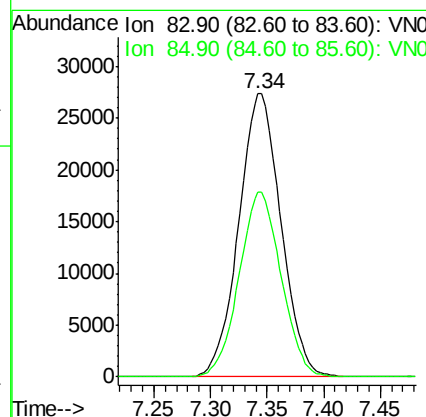
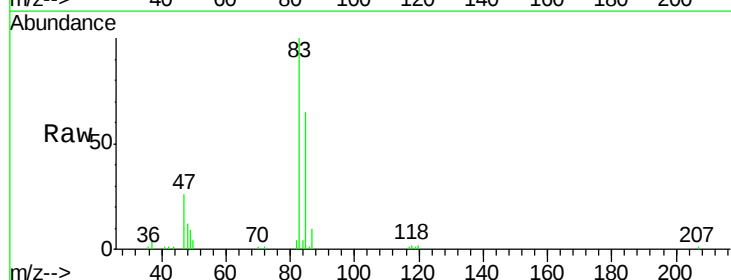
Manual Integrations
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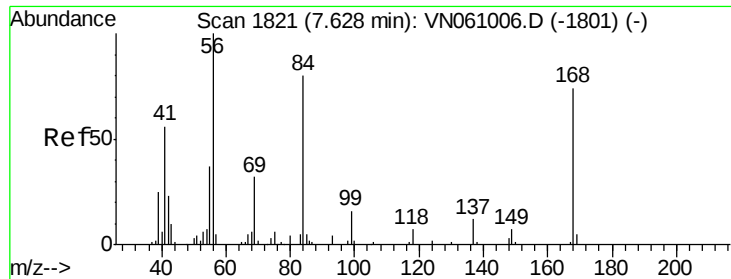
MMDadoda
4/17/2020 11:53:01 AM



#30
Chloroform
Concen: 20.794 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.8	79.2





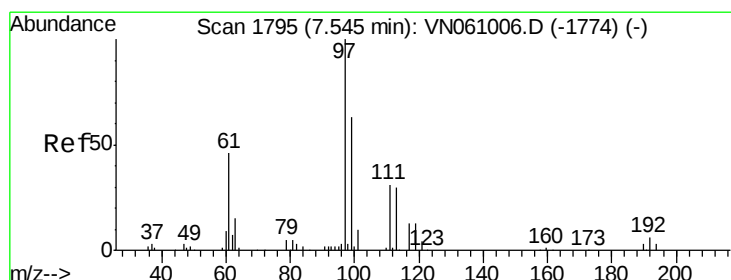
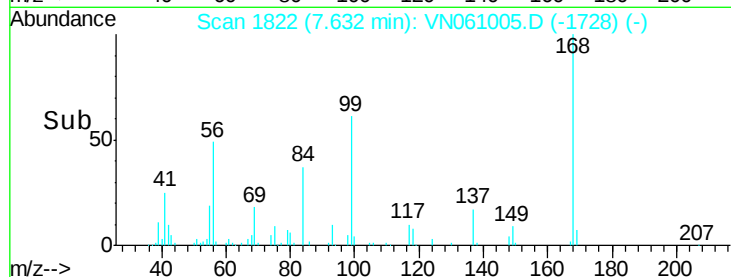
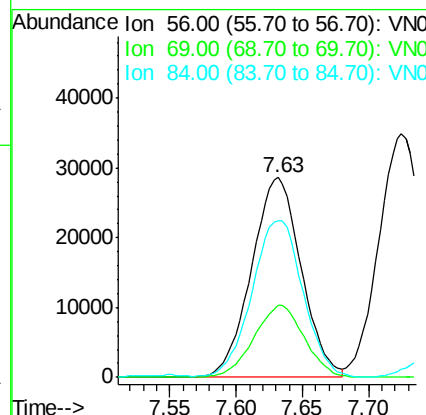
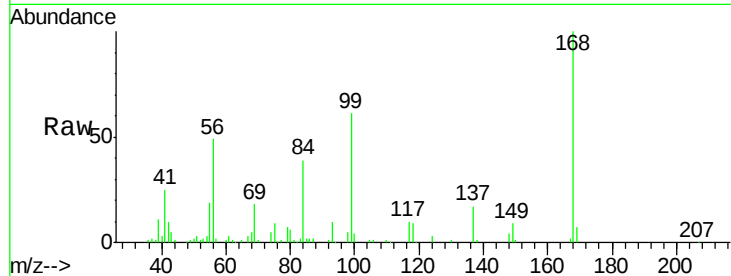
#31
Cyclohexane
Concen: 20.731 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	25.6	38.4
84	78.2	63.4	95.2

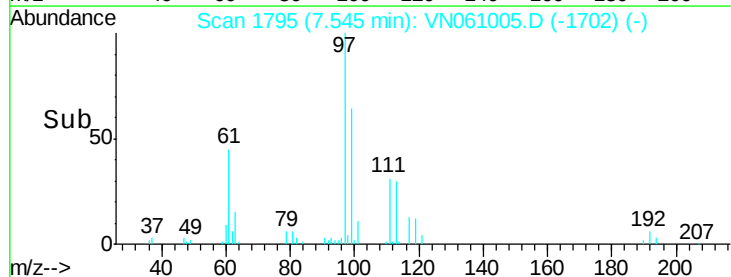
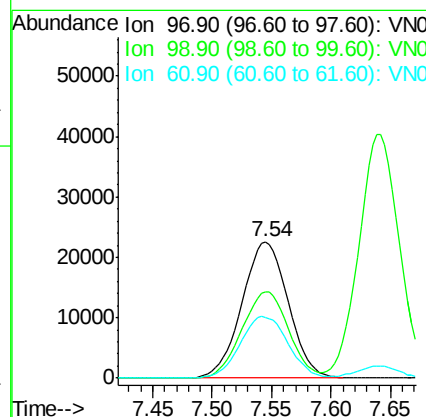
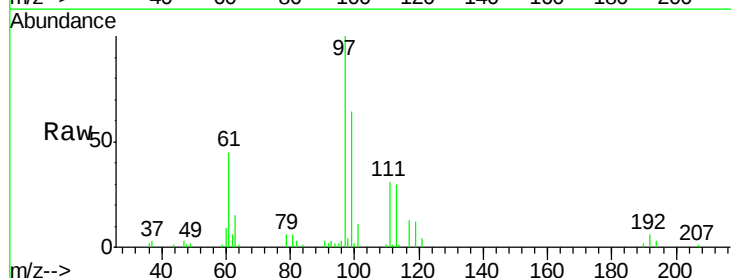
Manual Integrations
APPROVED

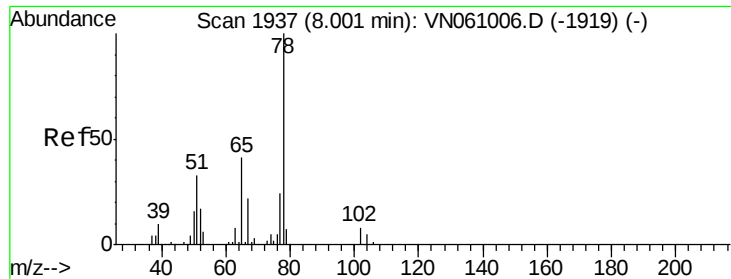
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.710 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	46.8	37.0	55.6





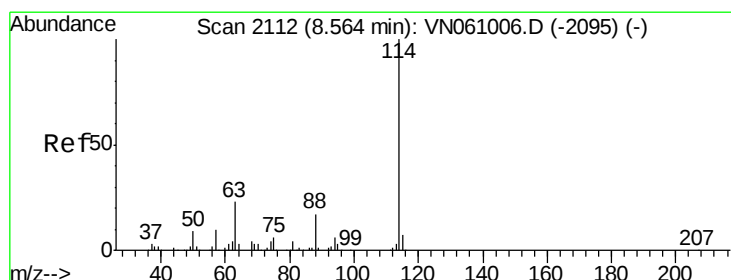
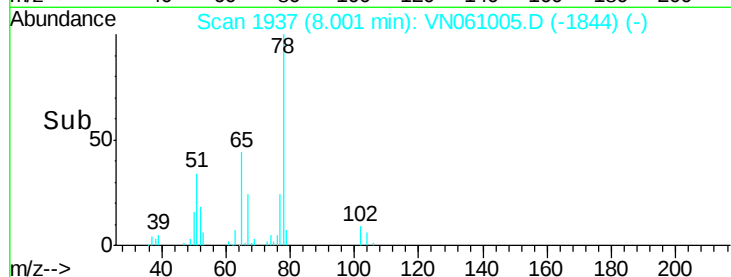
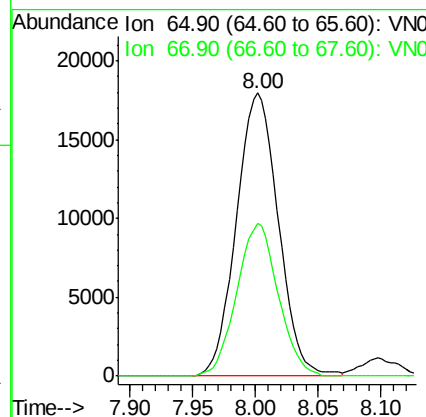
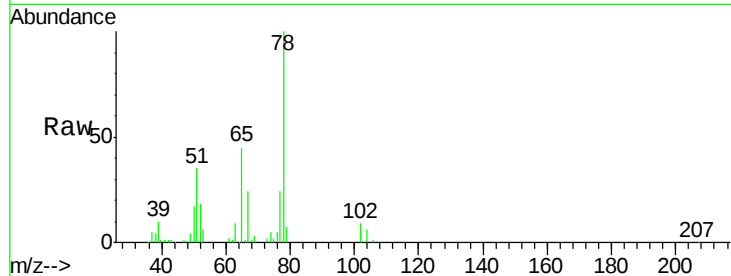
#33
 1,2-Dichloroethane-d4
 Concen: 19.342 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.0

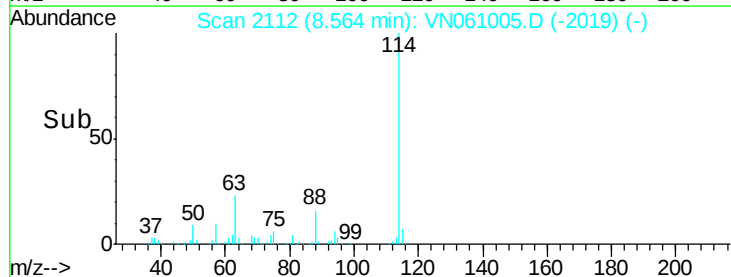
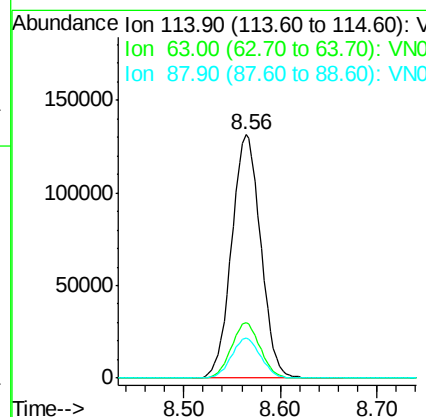
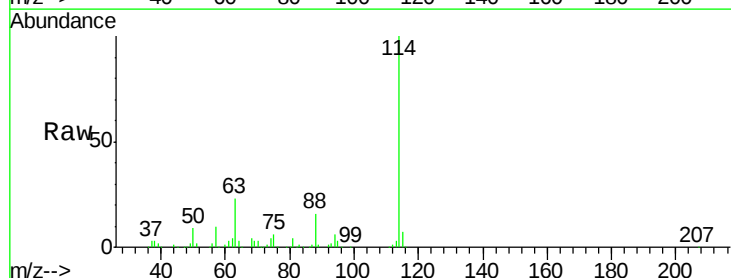
Manual Integrations
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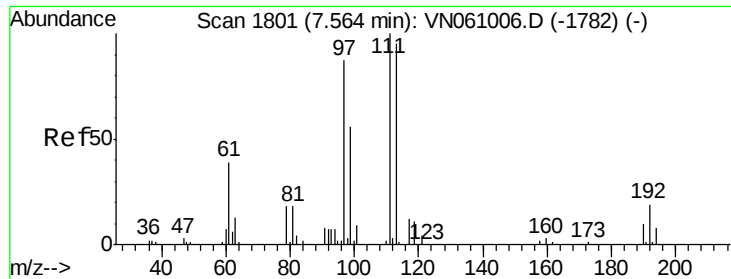
MMDadoda
 4/17/2020 11:53:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	46.2
88	16.2	0.0	33.4





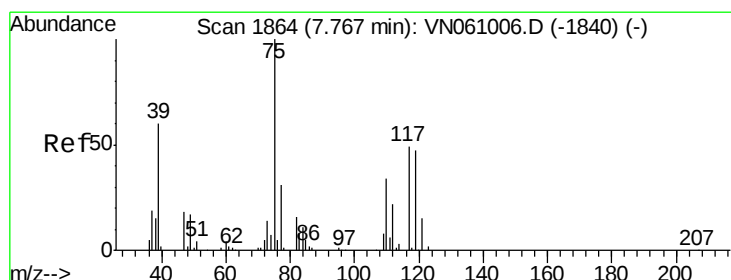
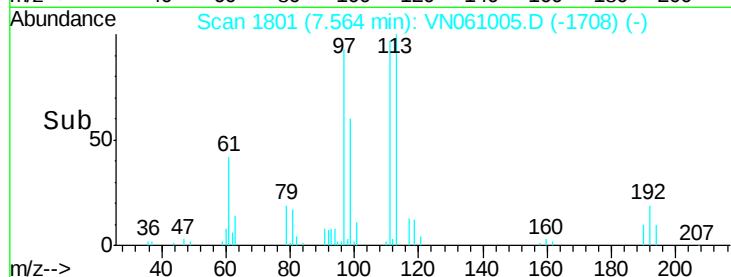
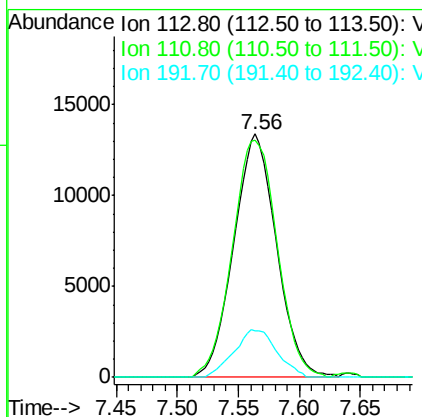
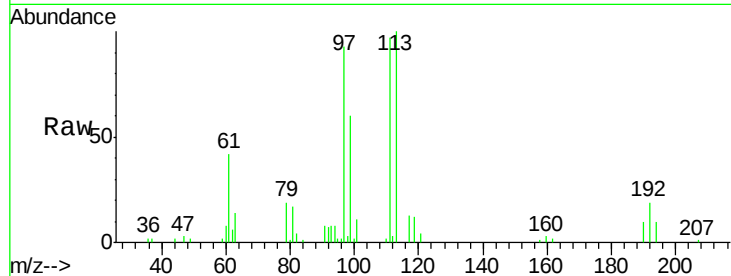
#35
Dibromofluoromethane
Concen: 19.937 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	32529		
111	102.2		83.4	125.2
192	19.6		15.5	23.3

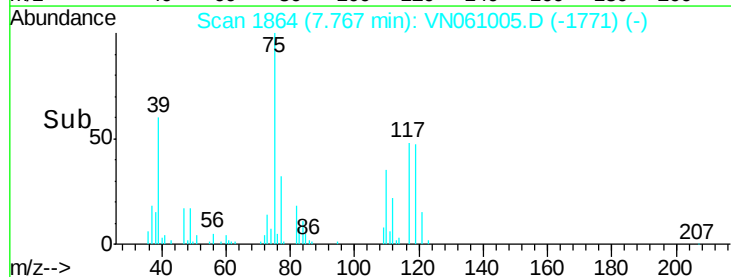
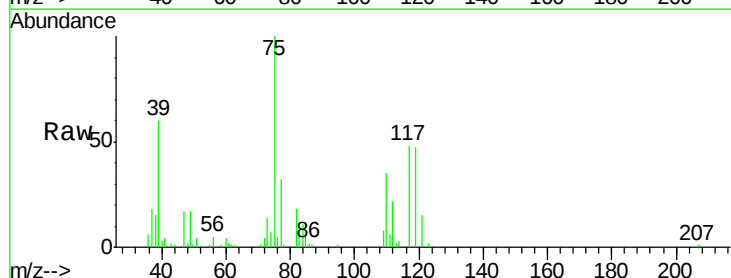
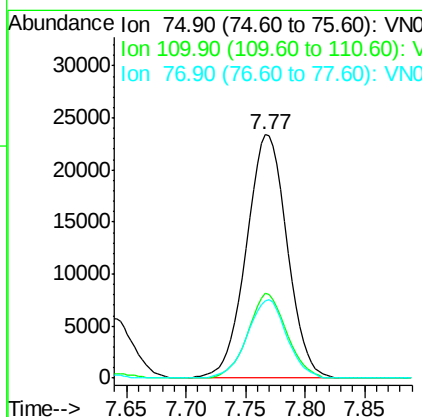
Manual Integrations
APPROVED

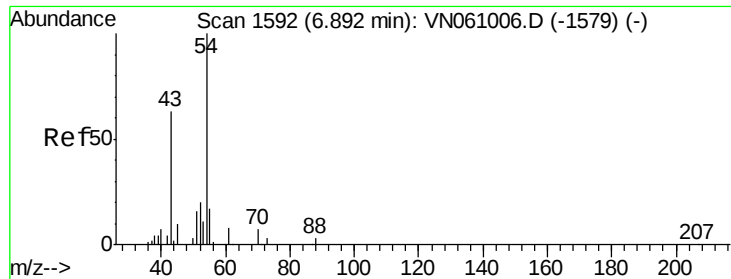
MMDadoda
4/17/2020 11:53:01 AM



#36
1,1-Dichloropropene
Concen: 20.789 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55614		
110	32.9		16.8	50.3
77	31.2		24.7	37.1





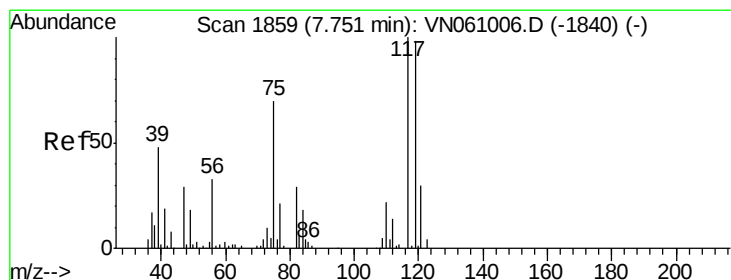
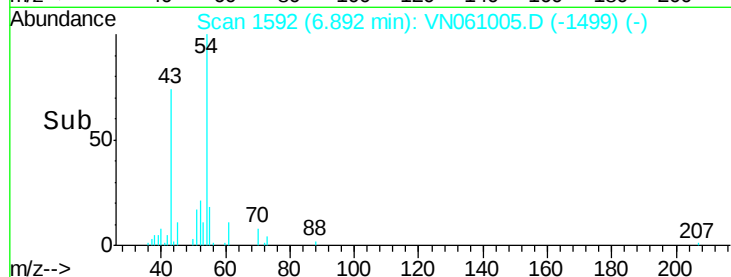
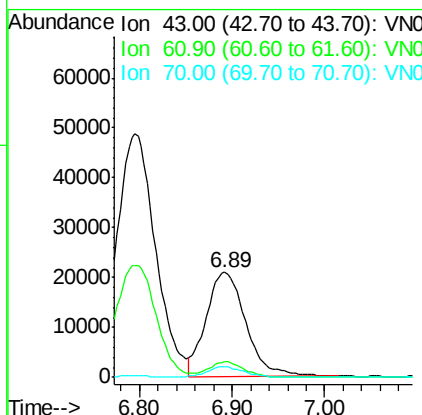
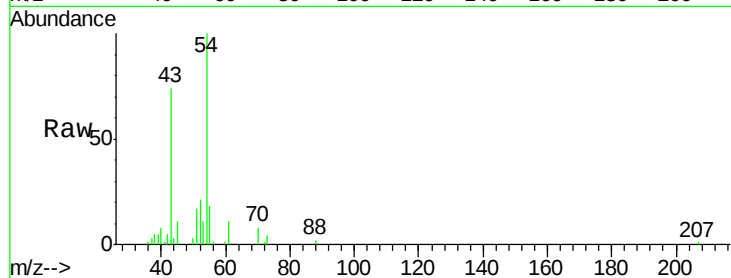
#37
Ethyl Acetate
Concen: 21.343 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.9	16.3
70	9.4	7.7	11.5

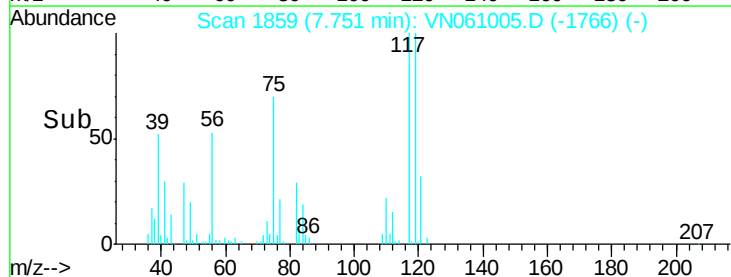
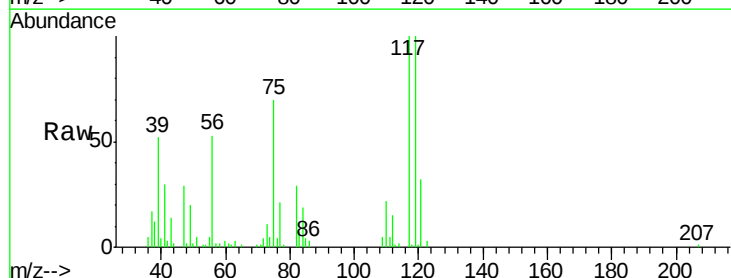
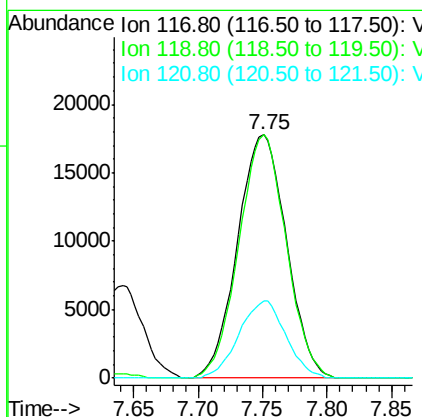
Manual Integrations
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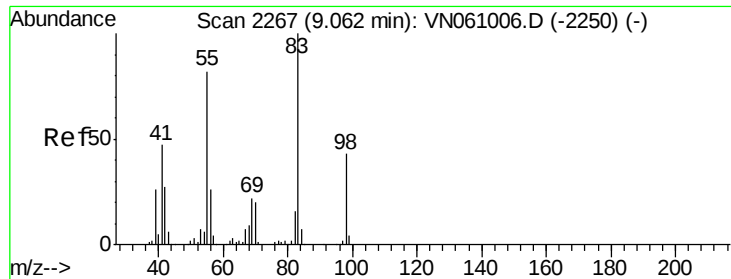
MMDadoda
4/17/2020 11:53:01 AM



#38
Carbon Tetrachloride
Concen: 19.712 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	78.1	117.1
121	31.7	24.0	36.0





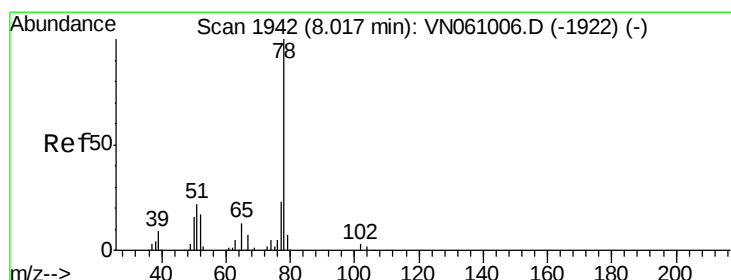
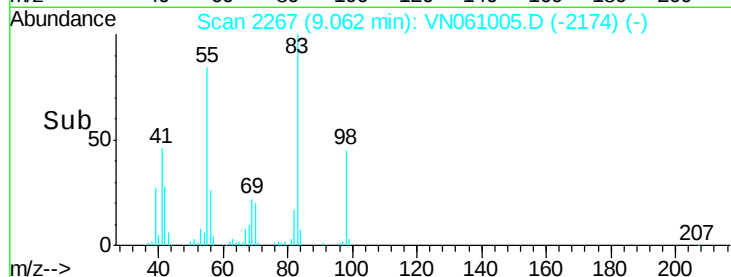
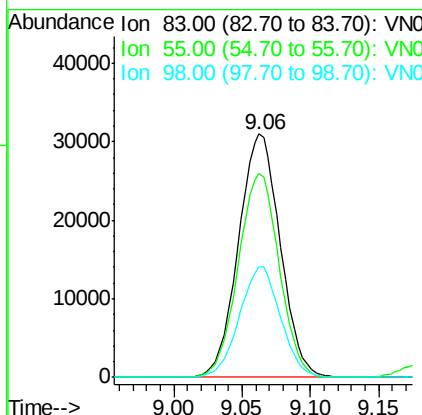
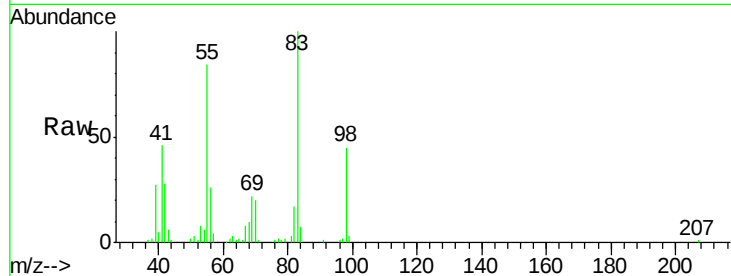
#39
Methvlcvclohexane
Concen: 20.607 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	65.4	98.0
98	45.4	34.6	51.8

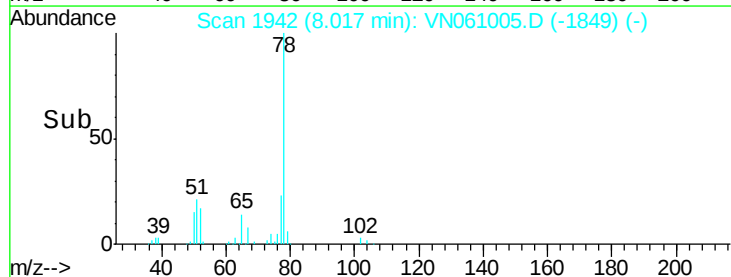
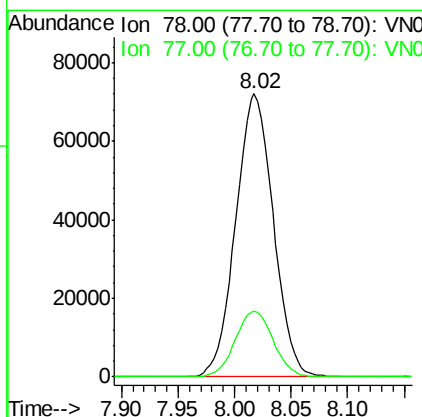
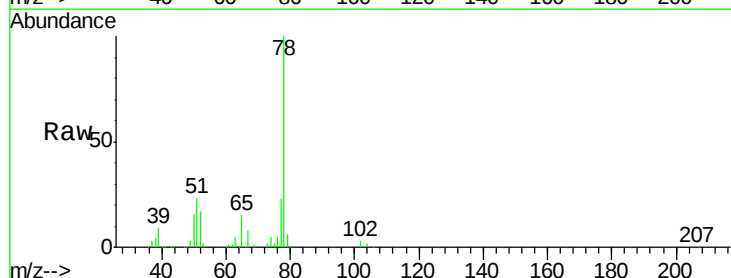
Manual Integrations
APPROVED

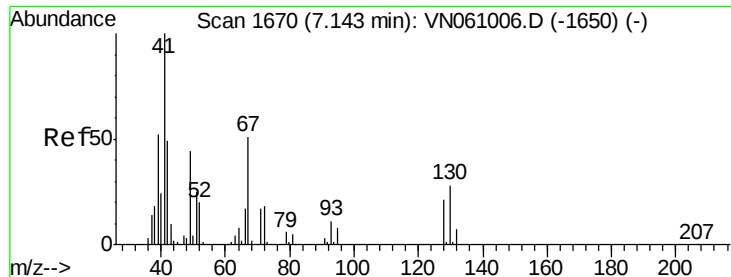
MMDadoda
4/17/2020 11:53:01 AM



#40
Benzene
Concen: 20.735 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





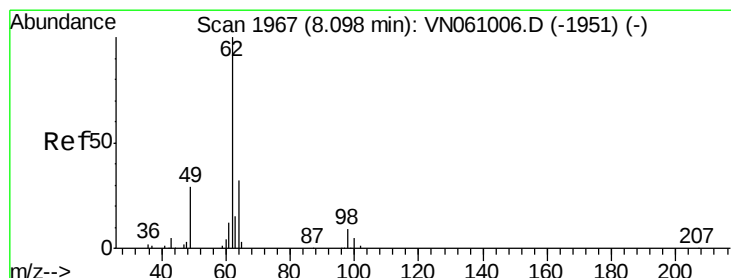
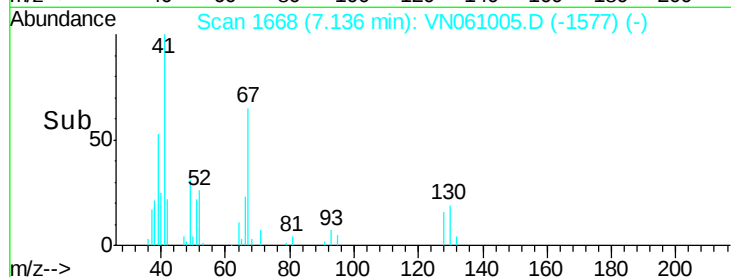
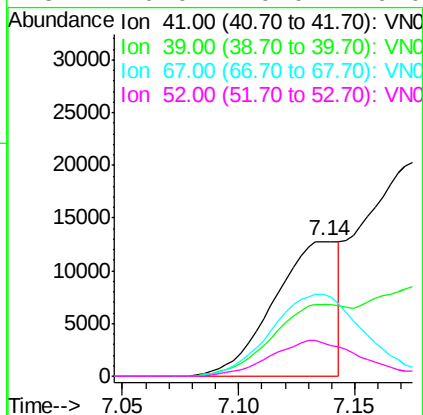
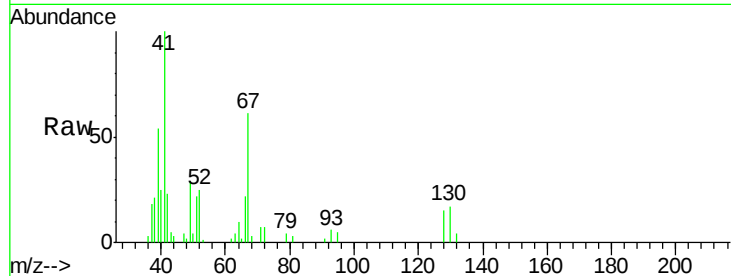
#41
Methacrylonitrile
Concen: 19.863 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	24656
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

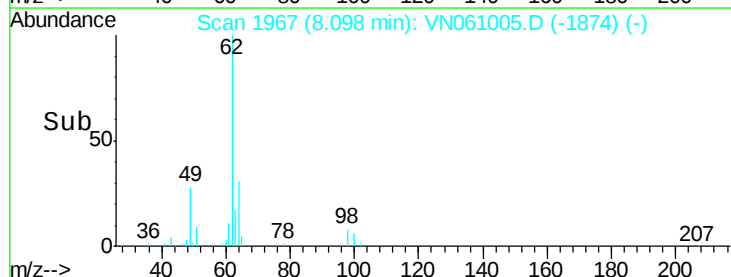
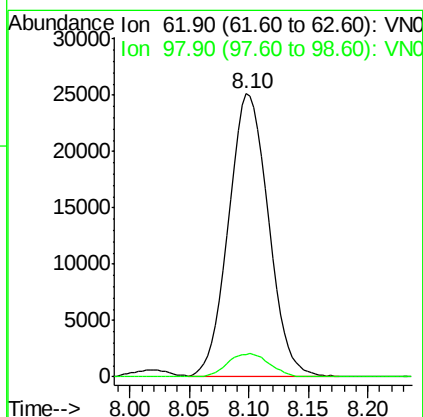
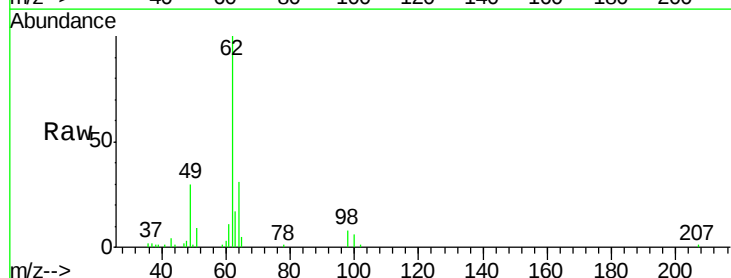
Manual Integrations
APPROVED

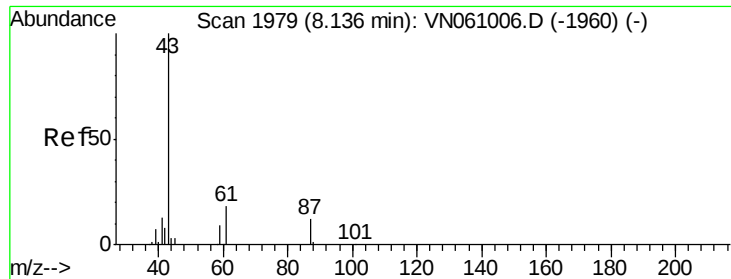
MMDadoda
4/17/2020 11:53:01 AM



#42
1,2-Dichloroethane
Concen: 21.242 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	62	Resp	58625
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.2





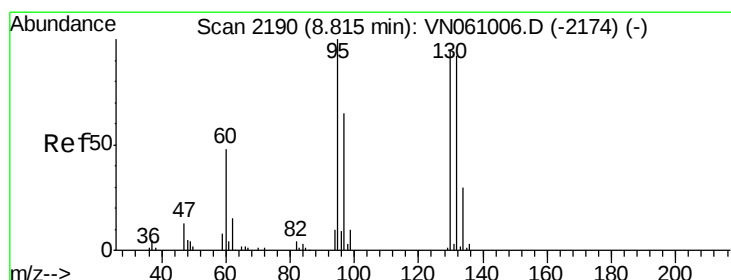
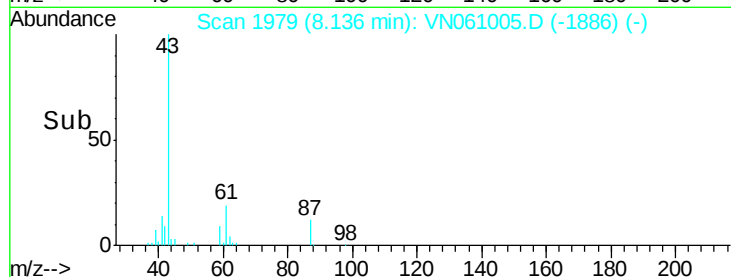
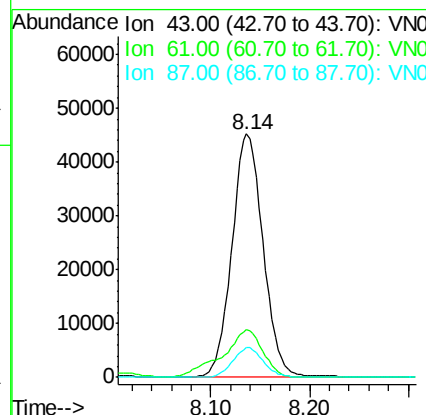
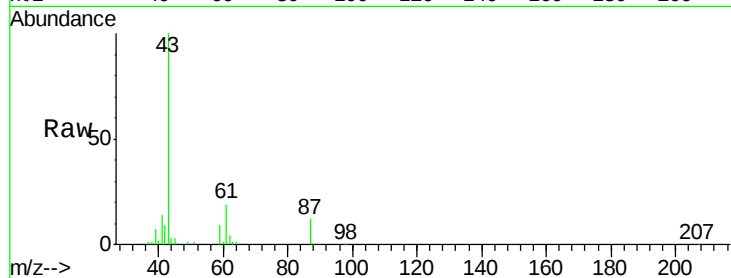
#43
Isopropyl Acetate
Concen: 20.937 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
61	25.2	20.3	30.5	
87	11.9	9.4	14.2	

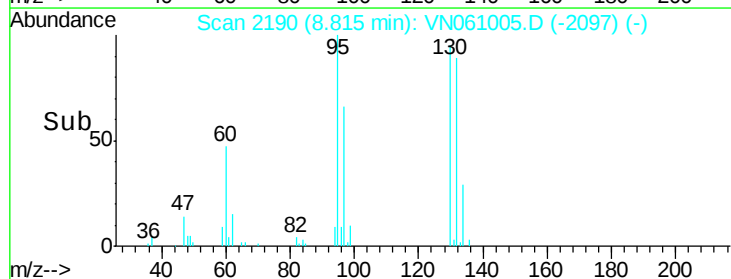
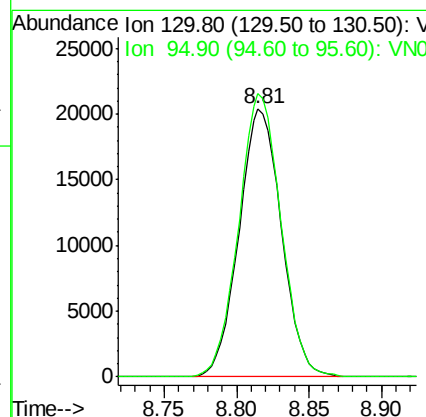
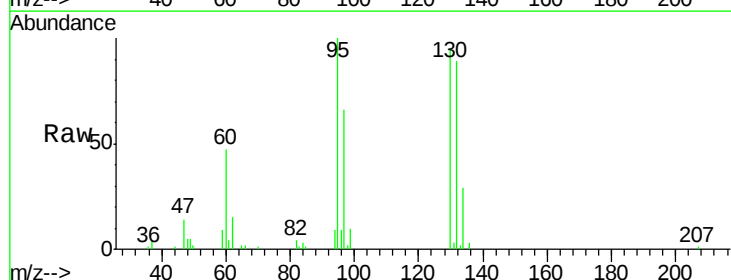
Manual Integrations
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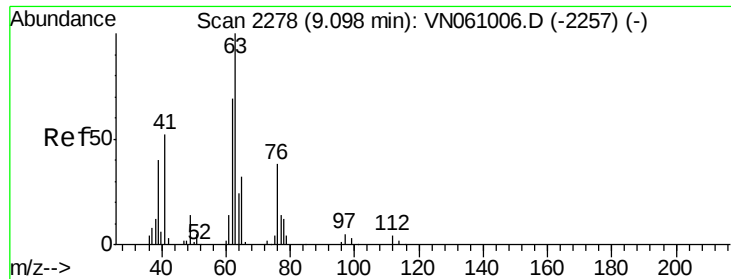
MMDadoda
4/17/2020 11:53:01 AM



#44
Trichloroethene
Concen: 20.492 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
130	100			
95	105.5	0.0	210.0	





#45

1,2-Dichloropropane

Concen: 21.335 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 45500

Ion Ratio Lower Upper

63 100

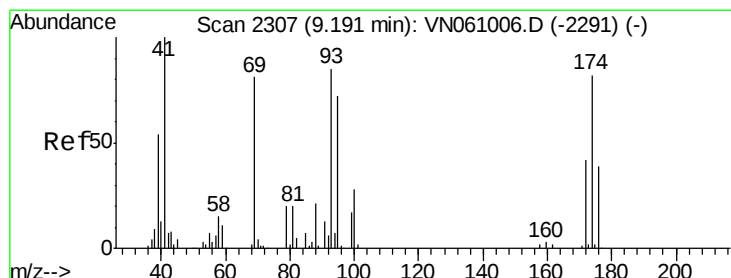
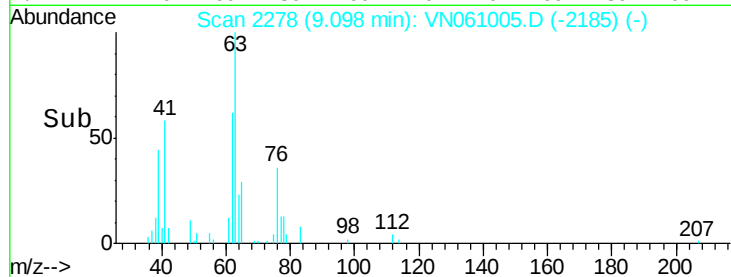
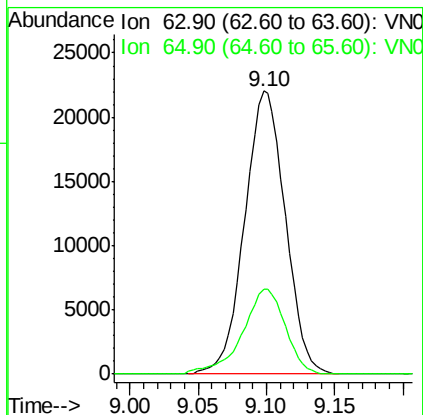
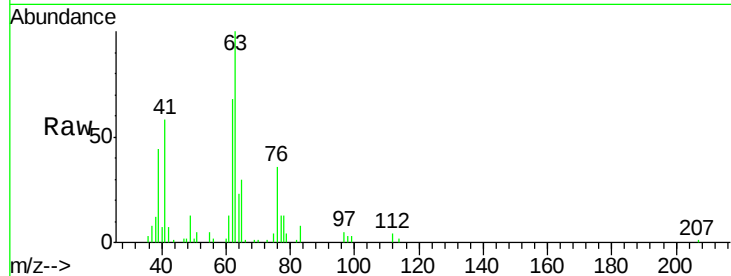
65 30.1 25.2 37.8

Manual Integrations

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MMDadoda

4/17/2020 11:53:01 AM



#46

Dibromomethane

Concen: 20.778 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

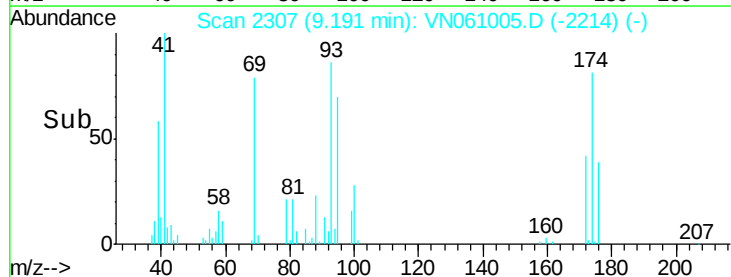
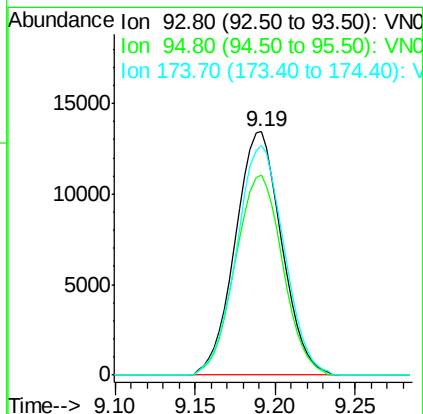
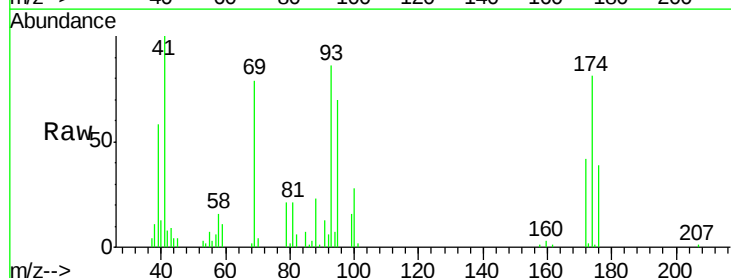
Tgt Ion: 93 Resp: 26660

Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 96.7 76.2 114.4





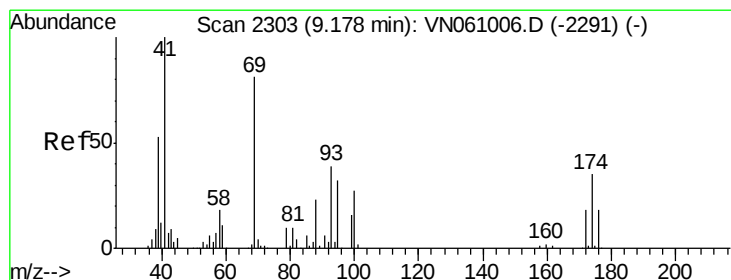
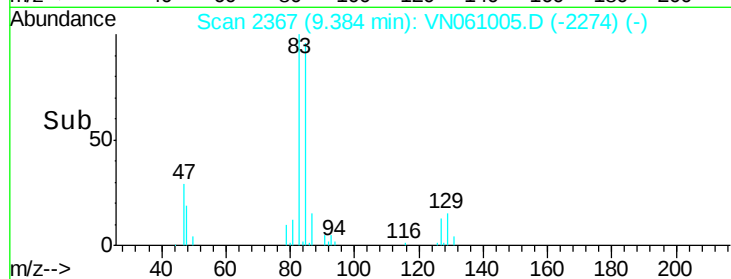
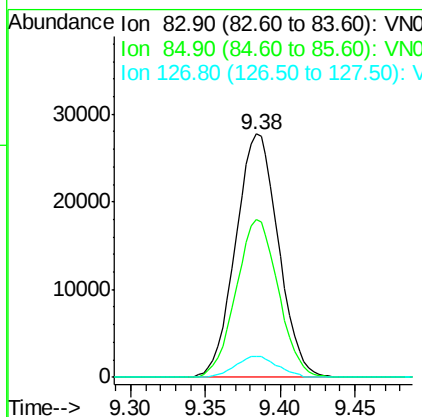
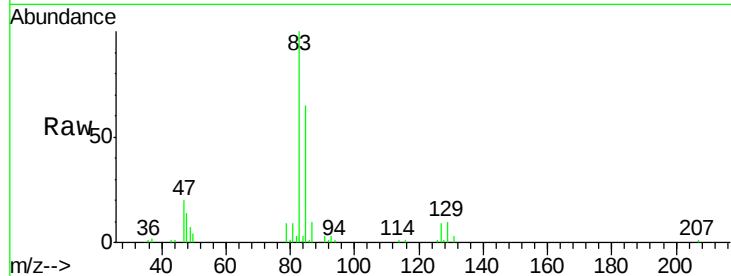
#47
Bromodichloromethane
Concen: 20.607 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	55142
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	50.6	76.0
127	8.7	6.1	9.1

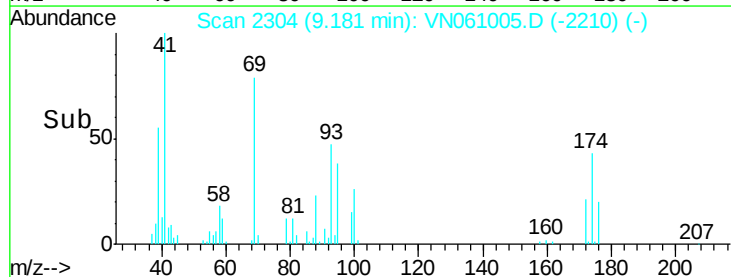
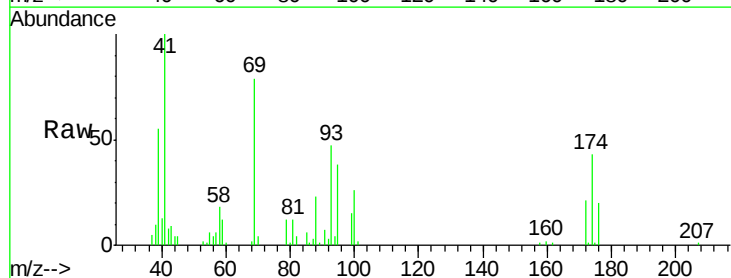
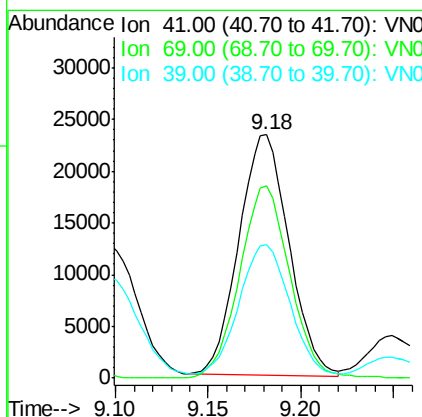
Manual Integrations
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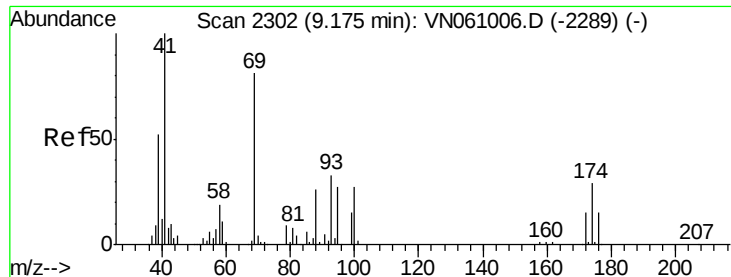
MMDadoda
4/17/2020 11:53:01 AM



#48
Methyl methacrylate
Concen: 20.411 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	41	Resp	43516
Ion Ratio	100	Lower	Upper
41	100		
69	80.2	65.3	97.9
39	54.8	45.2	67.8





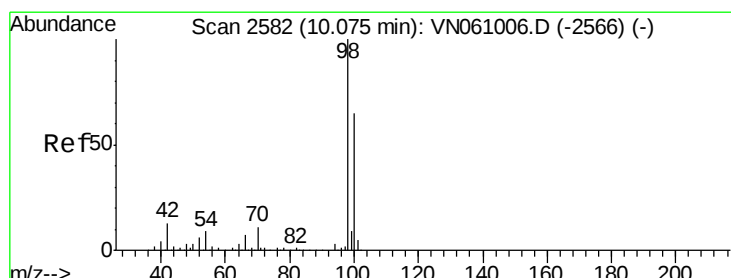
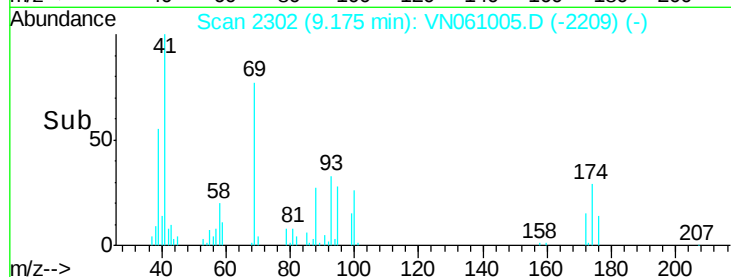
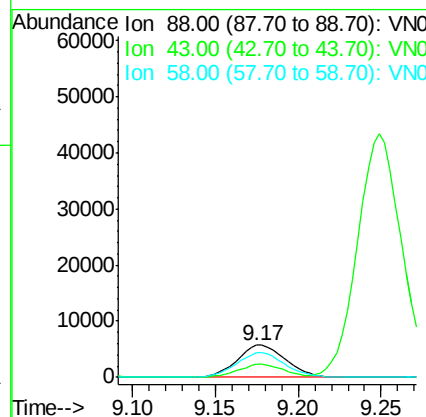
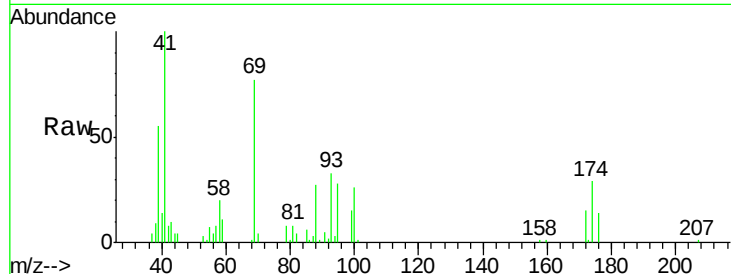
#49
1,4-Dioxane
Concen: 451.278 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.9	46.3
58	76.8	59.8	89.8

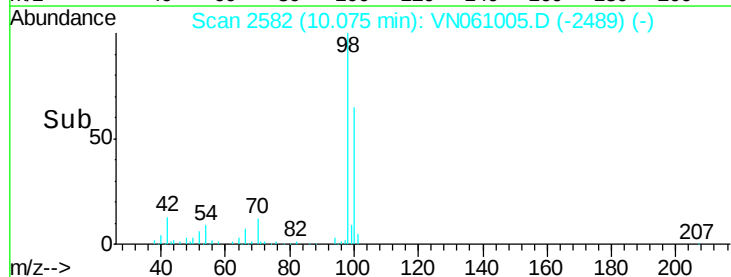
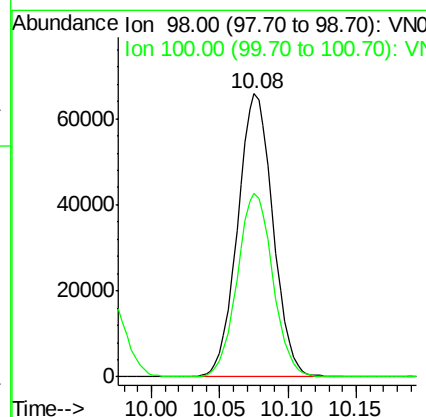
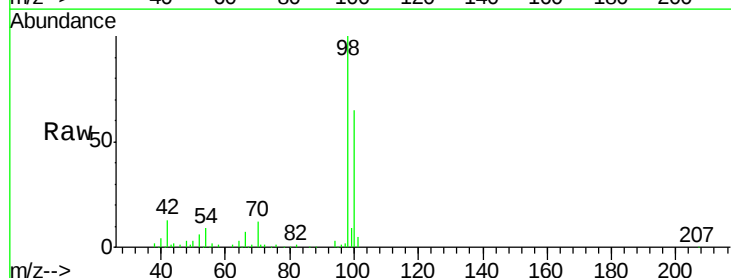
Manual Integrations
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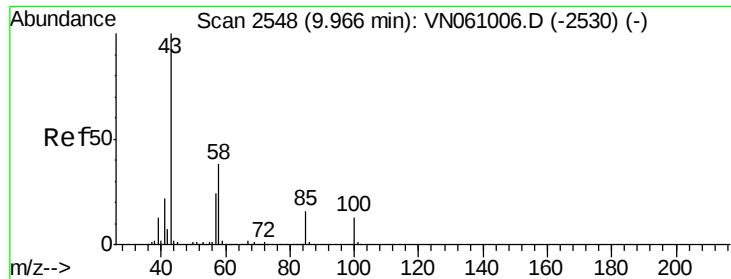
MMDadoda
4/17/2020 11:53:01 AM



#50
Toluene-d8
Concen: 18.089 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 106.784 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 290844

Ion Ratio Lower Upper

43 100

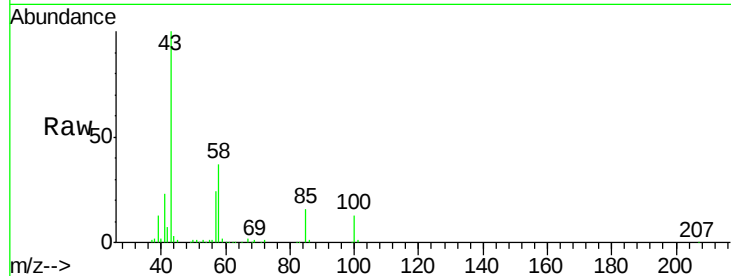
58 37.4 30.3 45.5

Manual Integrations

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MMDadoda

4/17/2020 11:53:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

9.97

150000

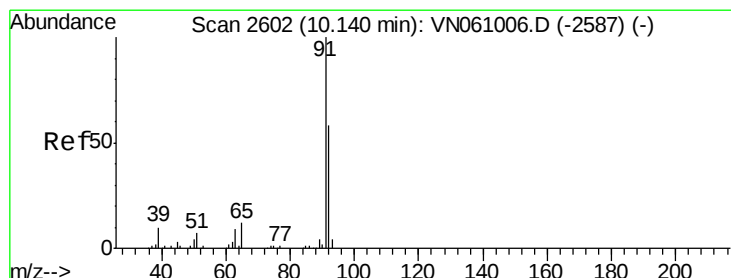
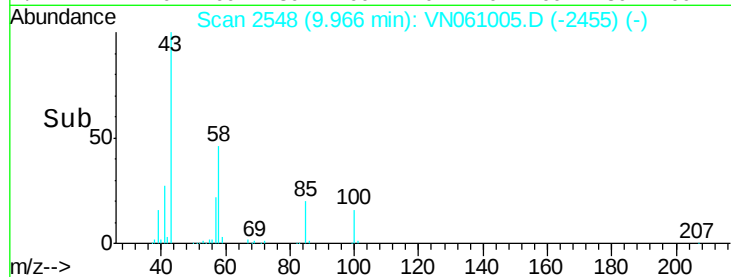
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 20.304 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN061005.D

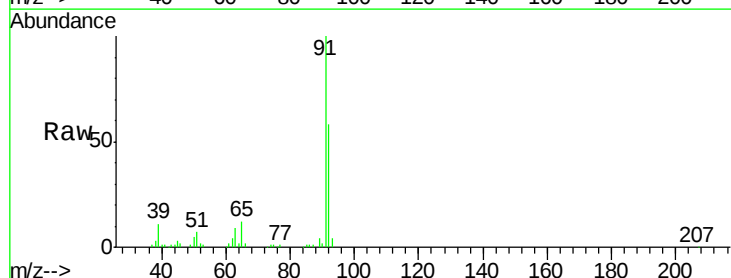
Acq: 16 Apr 2020 11:56

Tgt Ion: 92 Resp: 98814

Ion Ratio Lower Upper

92 100

91 174.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN061006.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN061006.D (-2587) (-)

10.14

100000

80000

60000

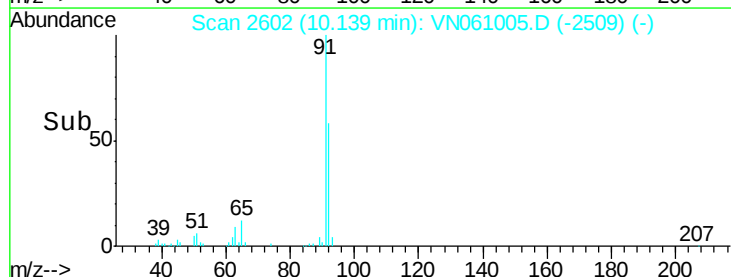
40000

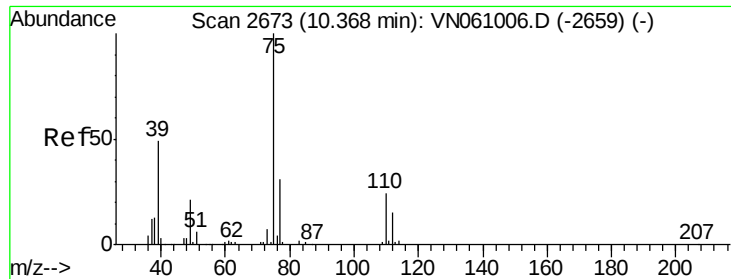
20000

0

10.05 10.10 10.15 10.20

Time-->





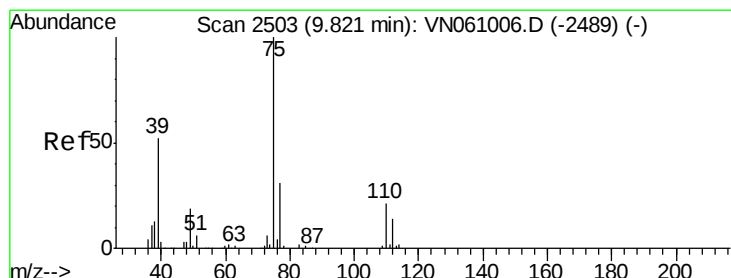
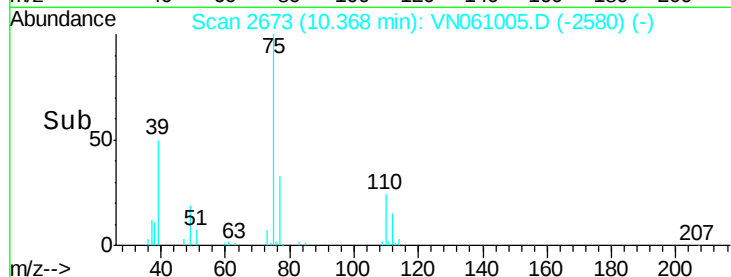
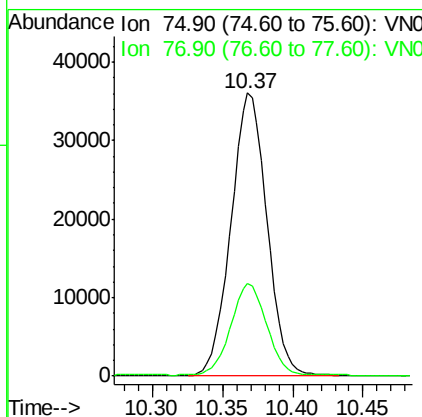
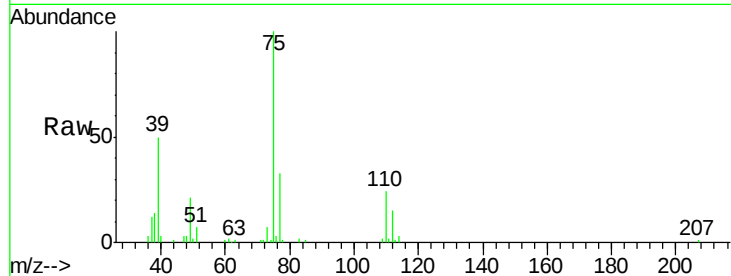
#53
t-1,3-Dichloropropene
Concen: 20.953 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 64449
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6

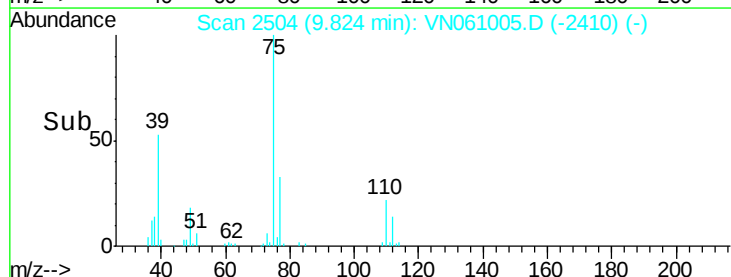
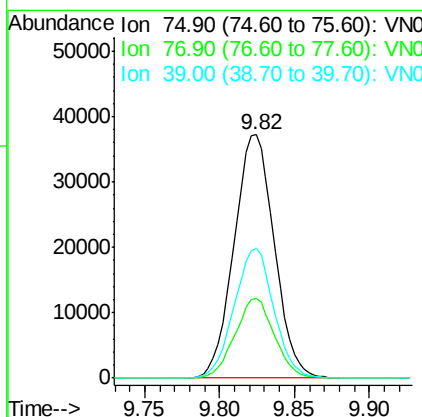
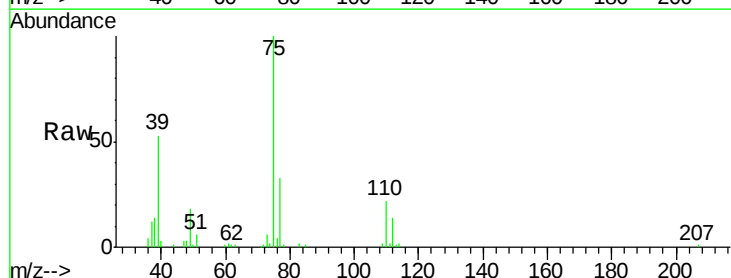
Manual Integrations
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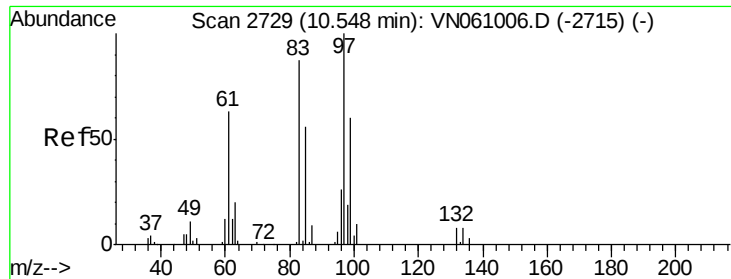
MMDadoda
4/17/2020 11:53:01 AM



#54
cis-1,3-Dichloropropene
Concen: 20.643 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 75 Resp: 69821
Ion Ratio Lower Upper
75 100
77 33.0 25.0 37.6
39 53.4 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 20.671 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

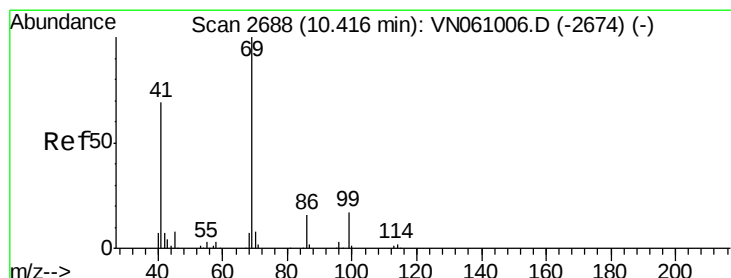
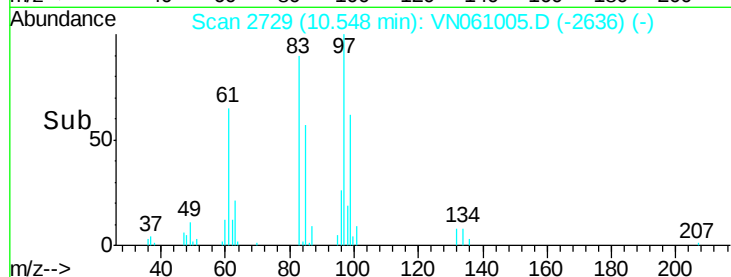
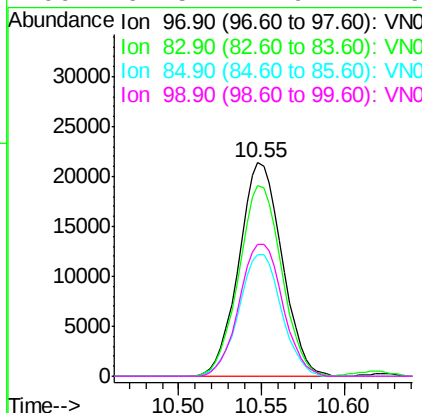
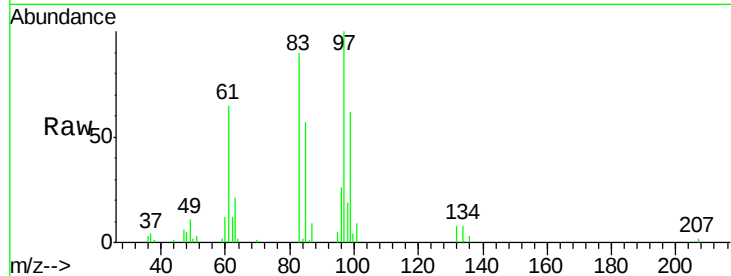
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	38699
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.5	104.3
85	57.1	45.0	67.4
99	61.5	47.9	71.9

Manual Integrations
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MMDadoda
4/17/2020 11:53:01 AM



#56

Ethyl methacrylate

Concen: 20.647 ug/l

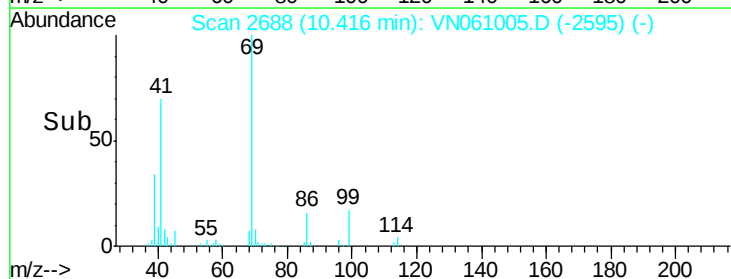
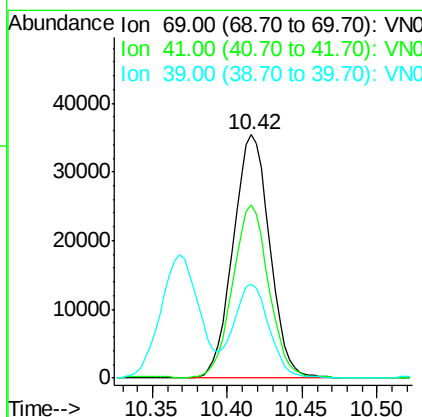
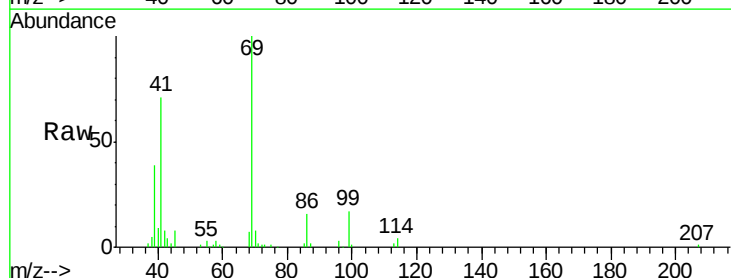
RT: 10.42 min Scan# 2688

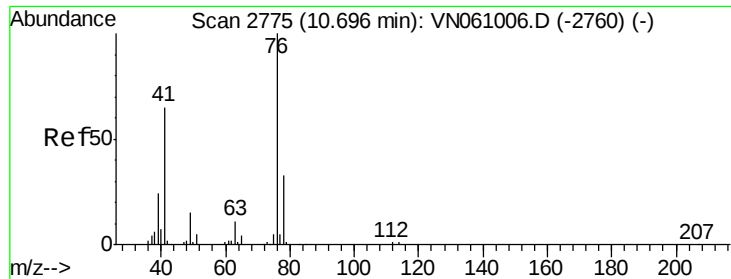
Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	69	Resp:	60336
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.7	85.1
39	37.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 21.141 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 68817

Ion Ratio Lower Upper

76 100

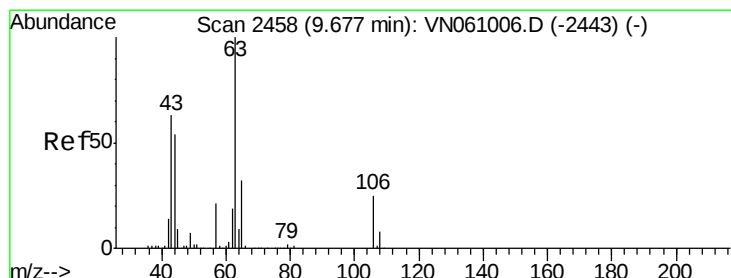
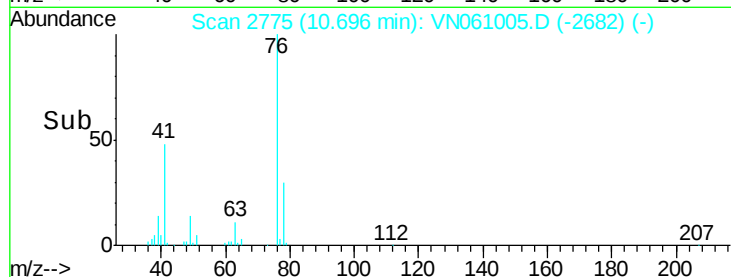
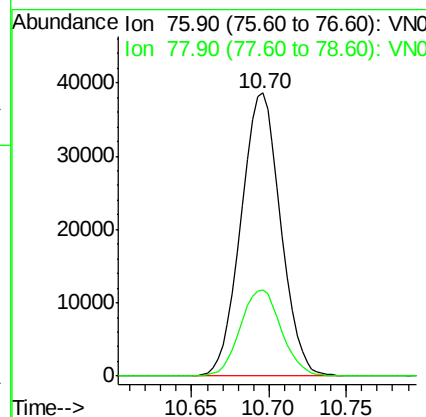
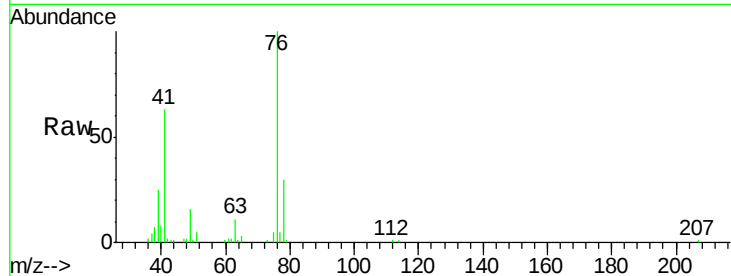
78 31.5 25.4 38.0

Manual Integrations

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4/17/2020 11:53:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.895 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN061005.D

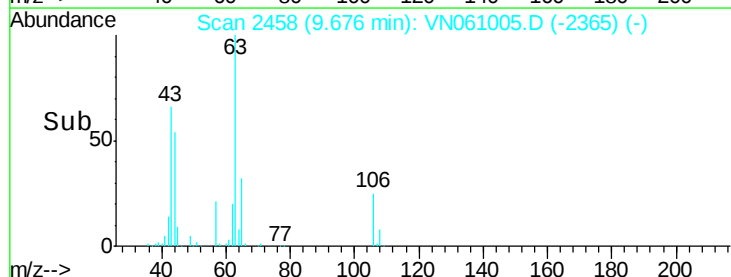
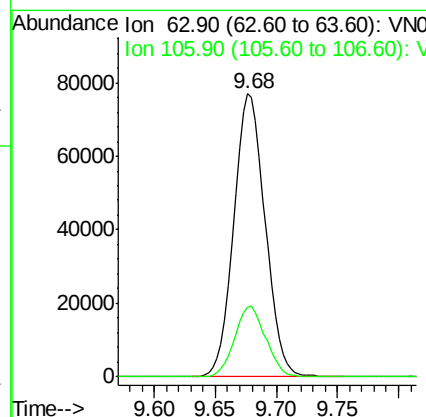
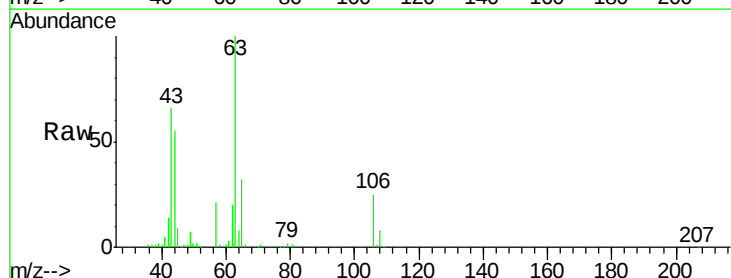
Acq: 16 Apr 2020 11:56

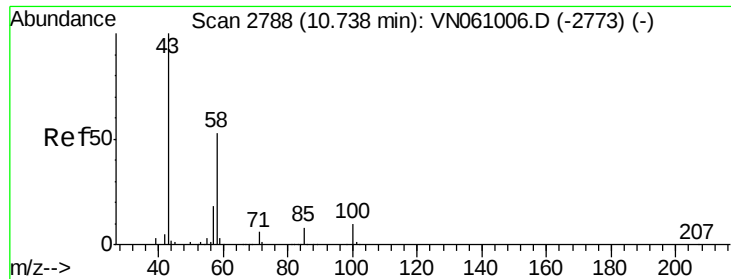
Tgt Ion: 63 Resp: 137876

Ion Ratio Lower Upper

63 100

106 24.7 19.5 29.3





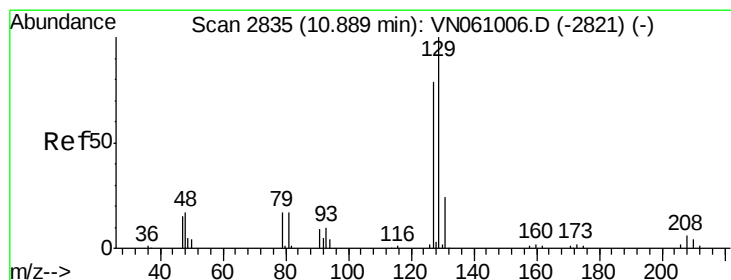
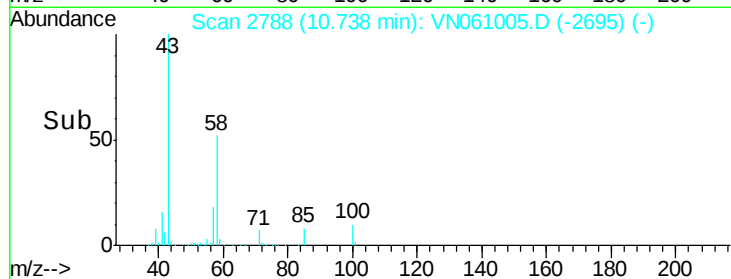
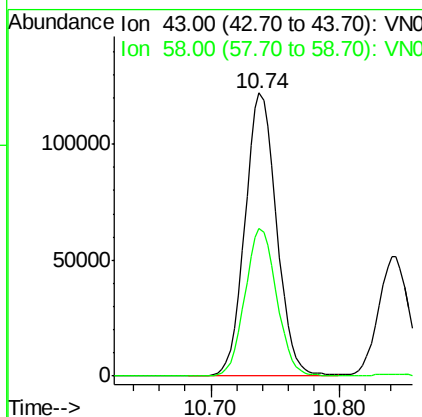
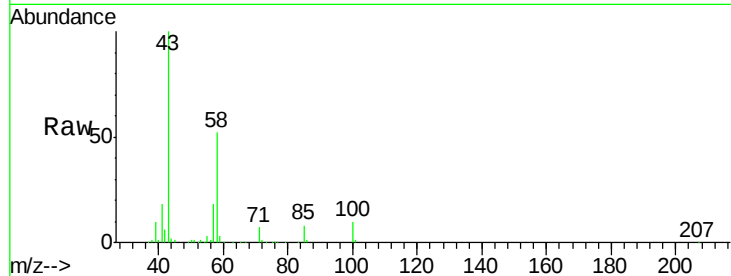
#59
2-Hexanone
Concen: 106.334 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	208554
Ion Ratio	100	Lower	Upper
43	100		
58	52.4	26.4	79.0

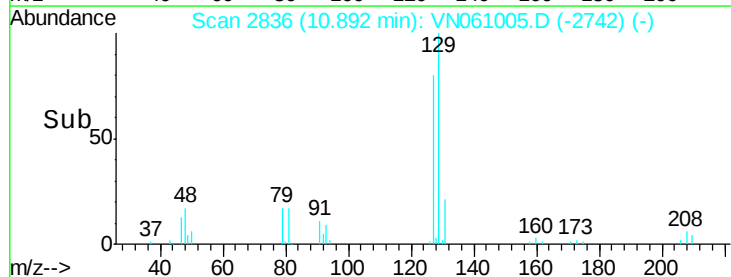
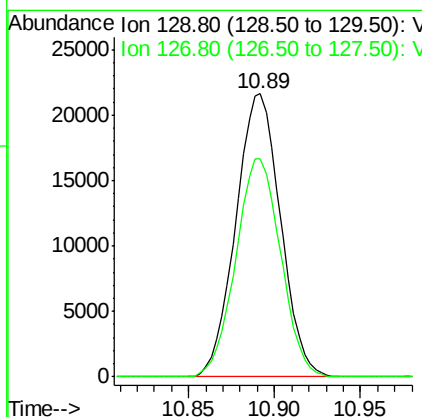
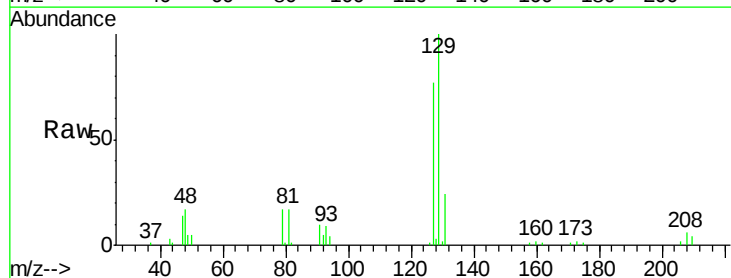
Manual Integrations
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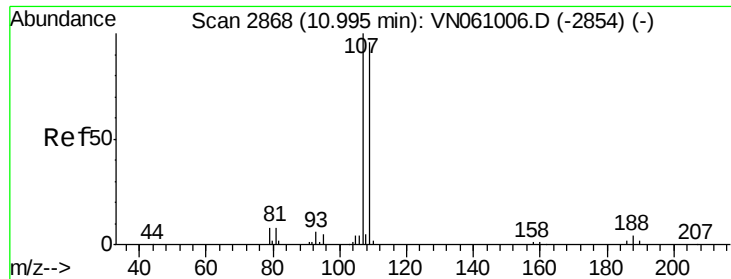
MMDadoda
4/17/2020 11:53:01 AM



#60
Dibromochloromethane
Concen: 20.247 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	129	Resp	39024
Ion Ratio	100	Lower	Upper
129	100		
127	77.1	39.0	116.9





#61

1,2-Dibromoethane

Concen: 20.908 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 39230

Ion Ratio Lower Upper

107 100

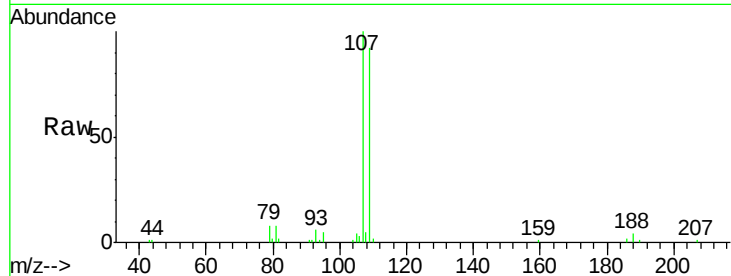
109 93.5 75.9 113.9

Manual Integrations

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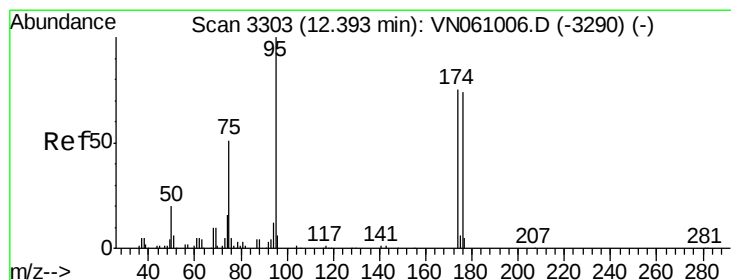
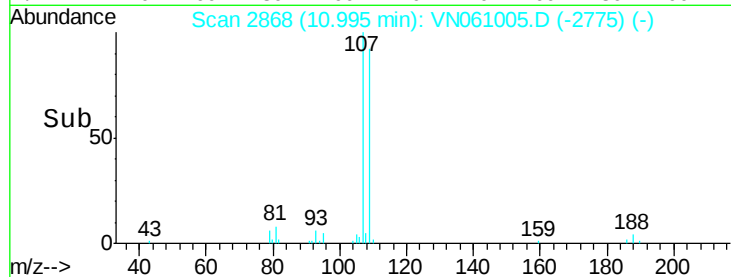
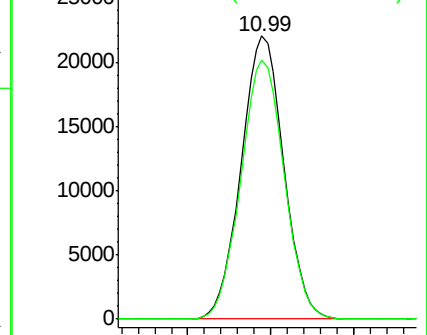
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.954 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

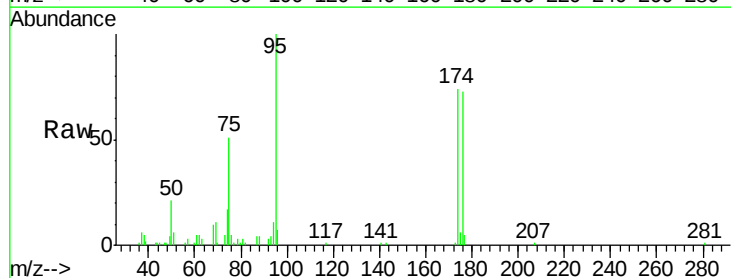
Tgt Ion: 95 Resp: 46096

Ion Ratio Lower Upper

95 100

174 75.2 0.0 151.2

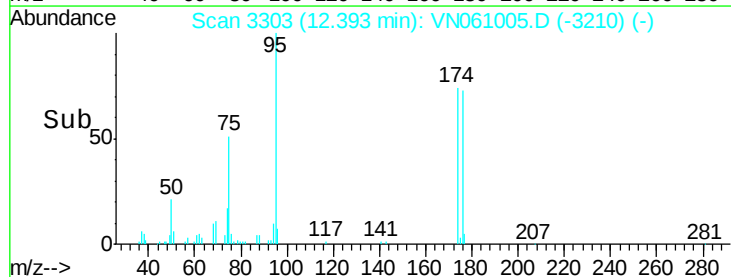
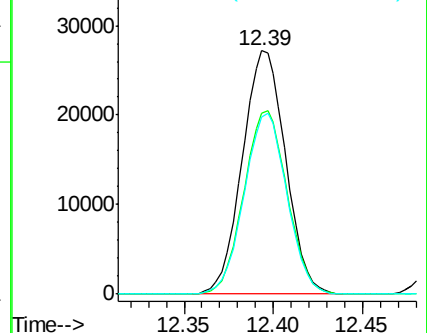
176 73.5 0.0 148.2

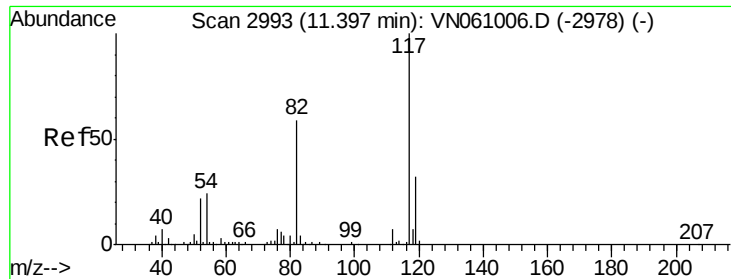


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





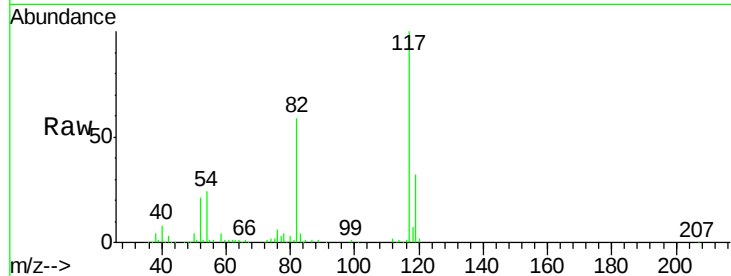
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.1	70.7
119	31.5	25.7	38.5

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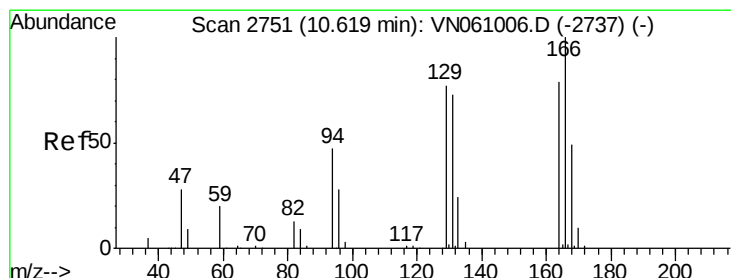
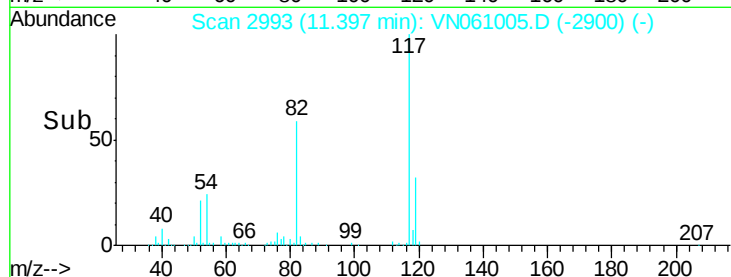
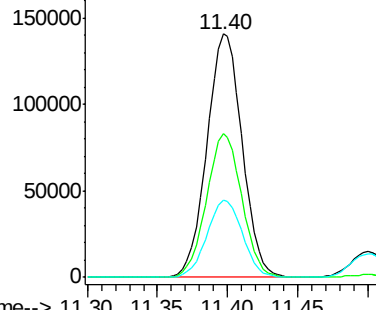


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.589 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	101.6	152.4
129	94.1	78.5	117.7
131	91.3	74.3	111.5

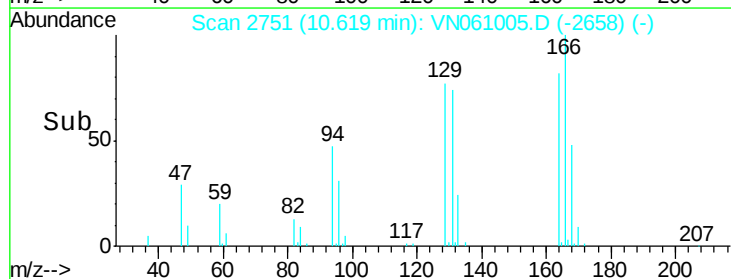
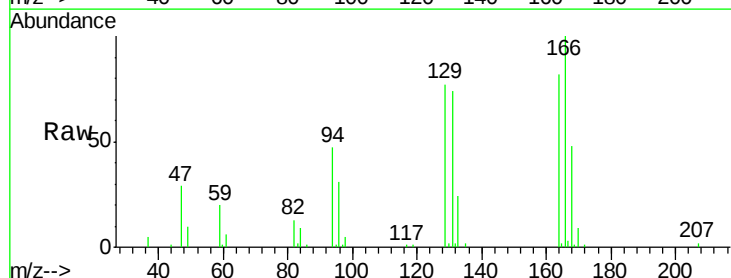
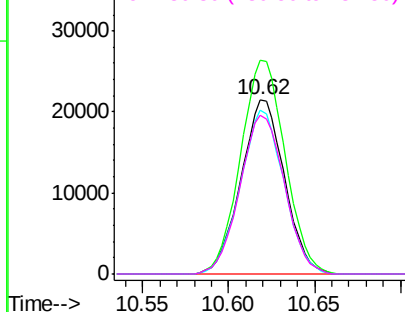
Abundance

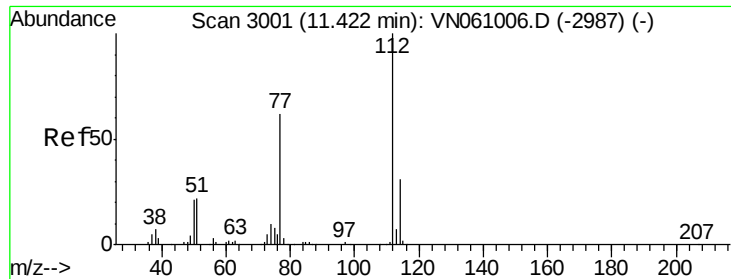
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





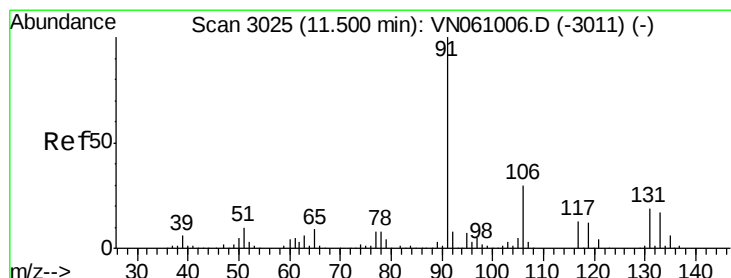
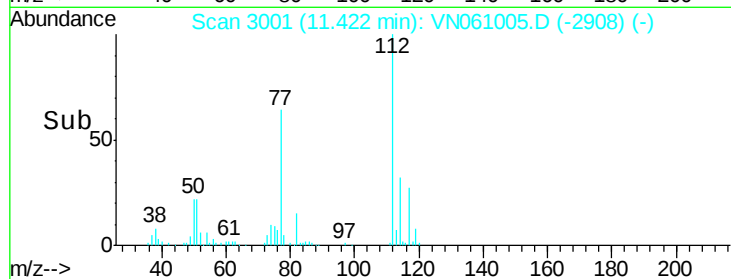
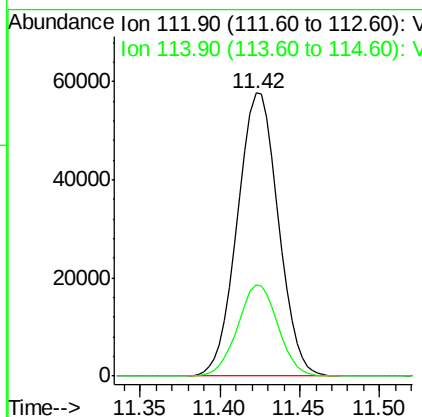
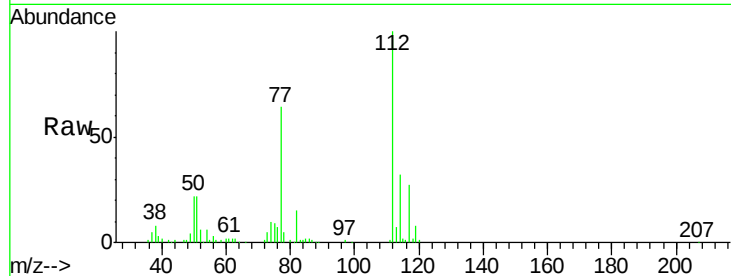
#65
Chlorobenzene
Concen: 20.509 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.1	37.7

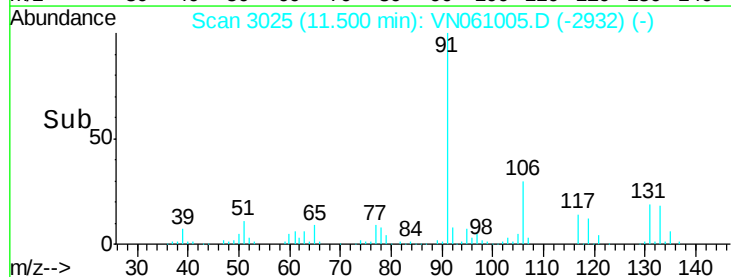
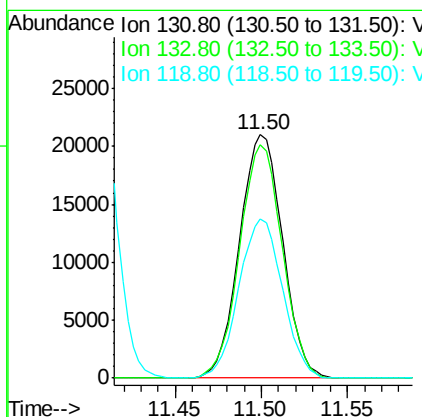
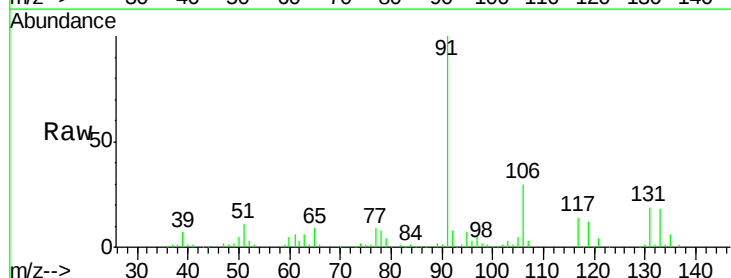
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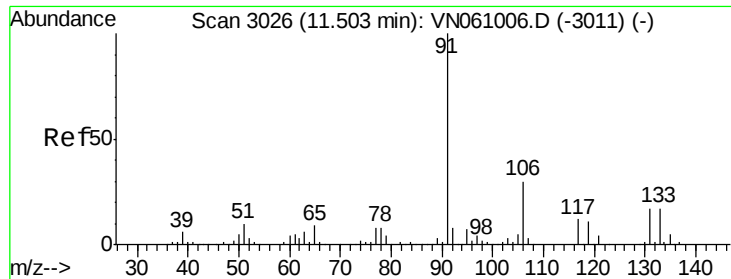
MMDadoda
4/17/2020 11:53:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.658 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.9	143.8
119	66.0	33.3	99.8





#67

Ethyl Benzene

Concen: 20.635 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 188449

Ion Ratio Lower Upper

91 100

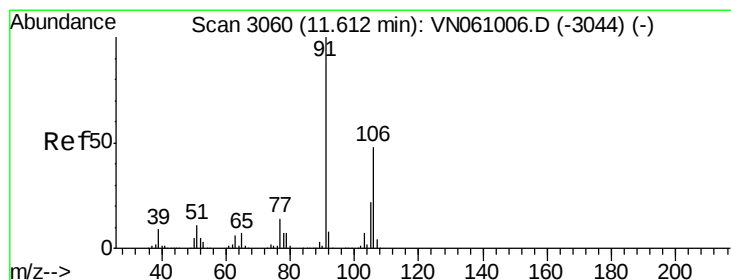
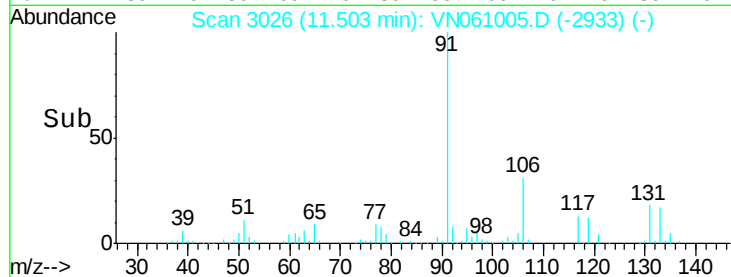
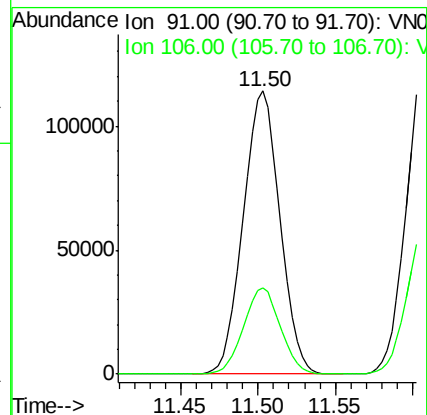
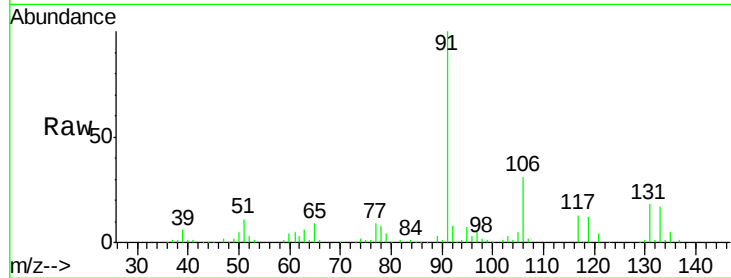
106 30.5 23.8 35.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.594 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN061005.D

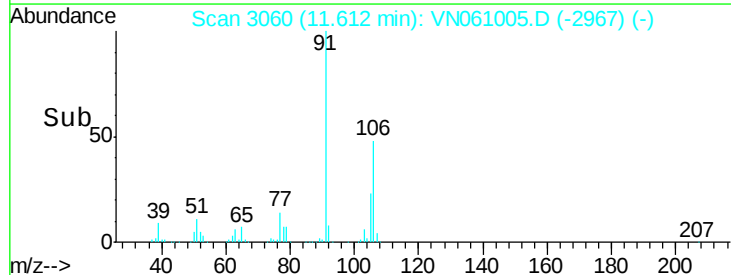
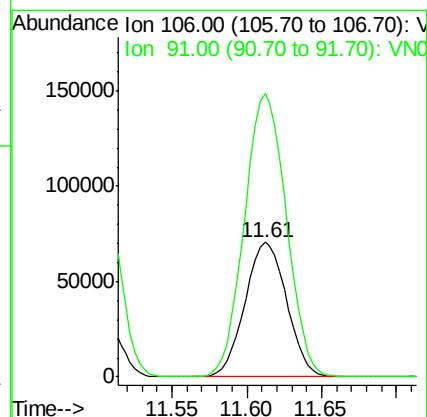
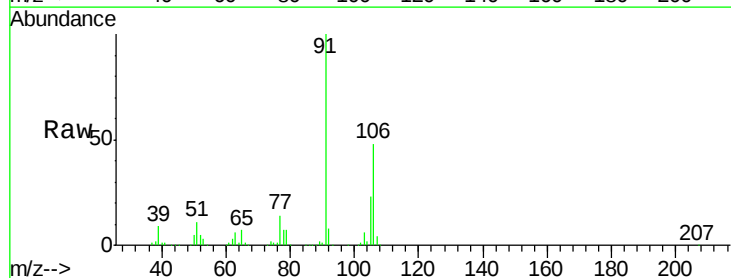
Acq: 16 Apr 2020 11:56

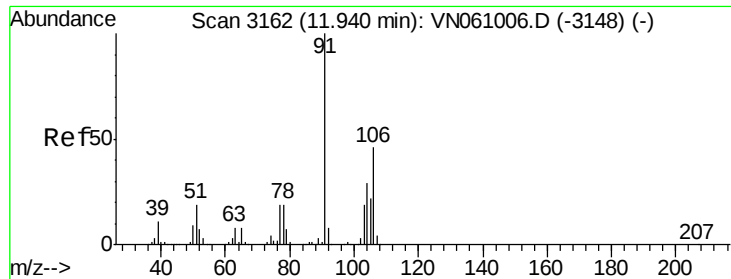
Tgt Ion: 106 Resp: 137213

Ion Ratio Lower Upper

106 100

91 211.2 167.9 251.9





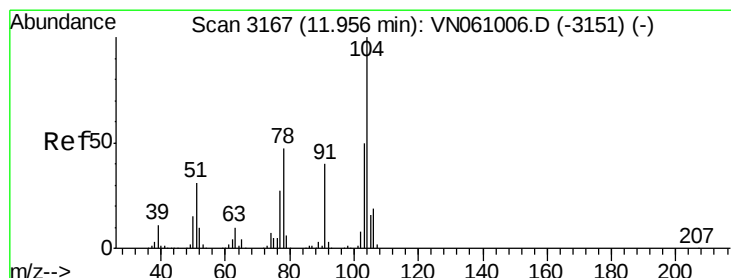
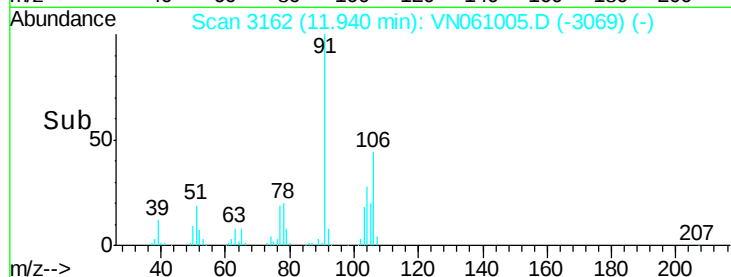
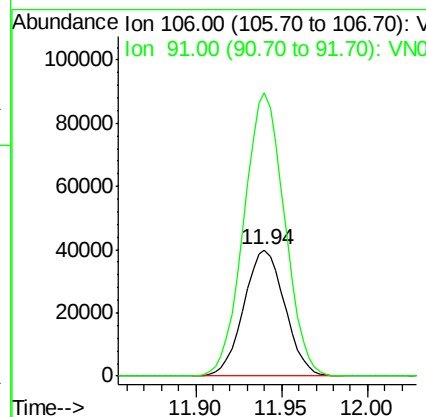
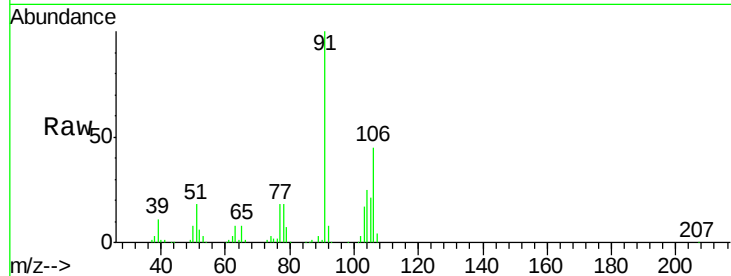
#69
o-Xylene
Concen: 20.526 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 66215
Ion Ratio Lower Upper
106 100
91 222.6 110.7 332.1

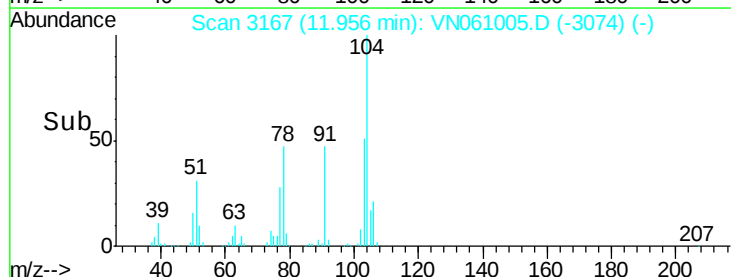
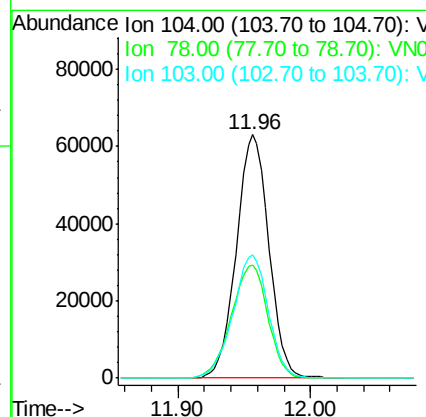
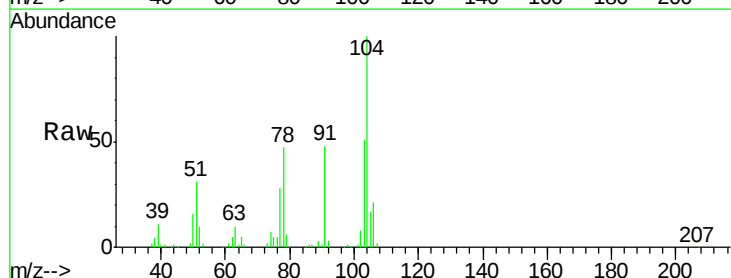
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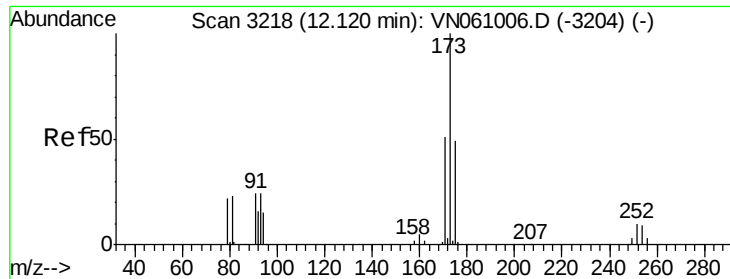
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#70
Styrene
Concen: 20.238 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion:104 Resp: 106893
Ion Ratio Lower Upper
104 100
78 52.2 42.2 63.4
103 55.1 44.4 66.6





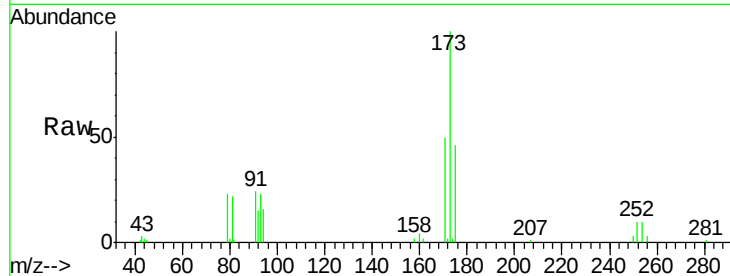
#71
Bromoform
Concen: 20.704 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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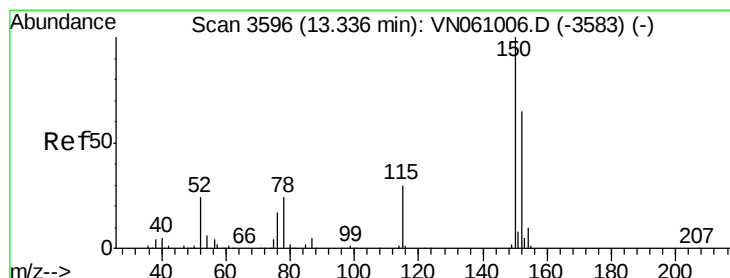
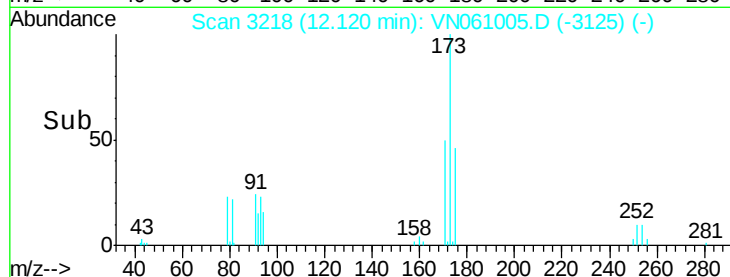
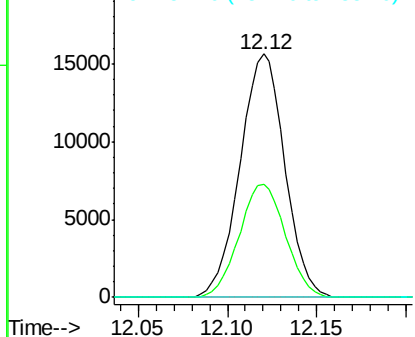


Abundance

Ion 172.70 (172.40 to 173.40): V

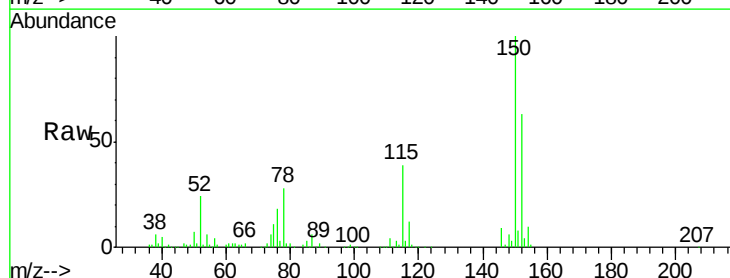
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.8	92.4
150	163.3	0.0	349.0

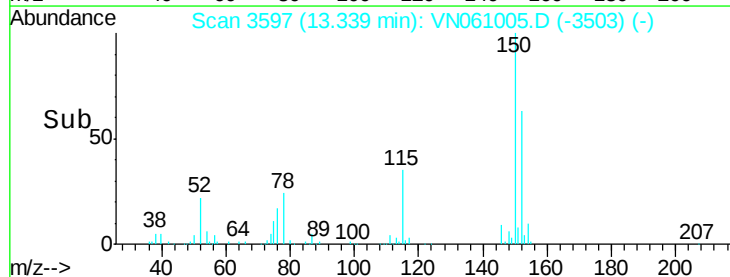
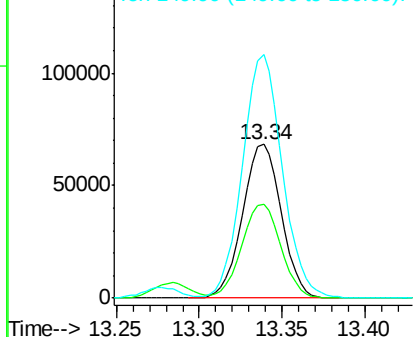


Abundance

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: 21.190 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 177402

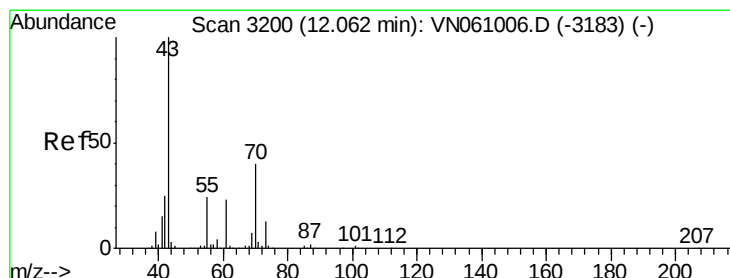
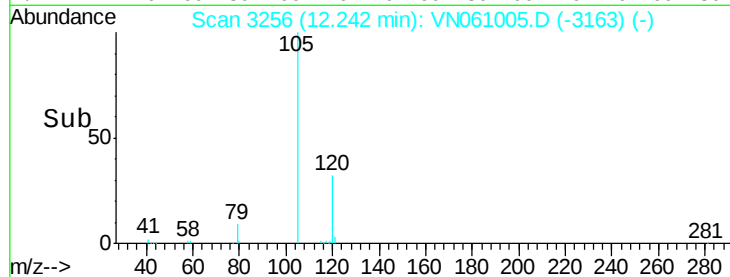
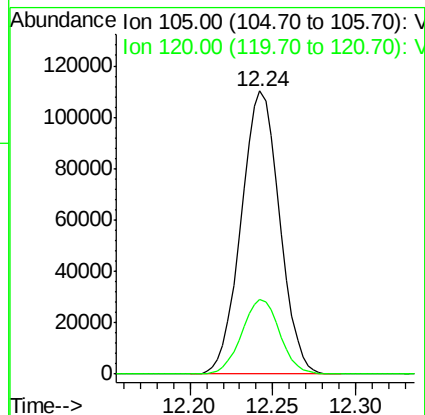
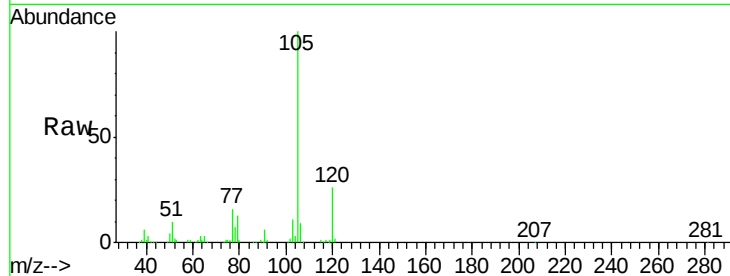
Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9

Manual Integrations
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4/17/2020 11:53:01 AM



#74

N-ethyl acetate

Concen: 21.279 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Tgt Ion: 43 Resp: 82663

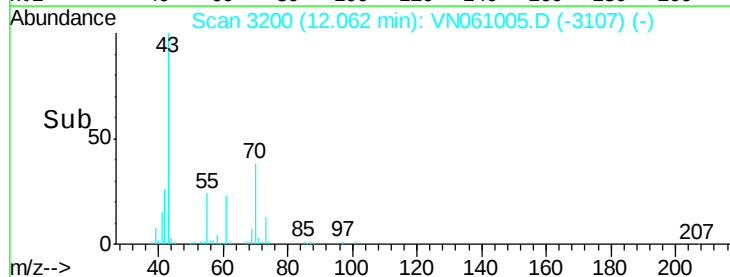
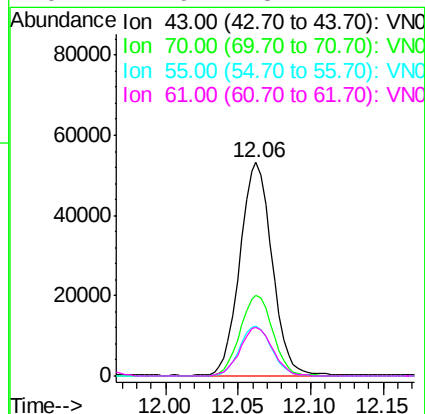
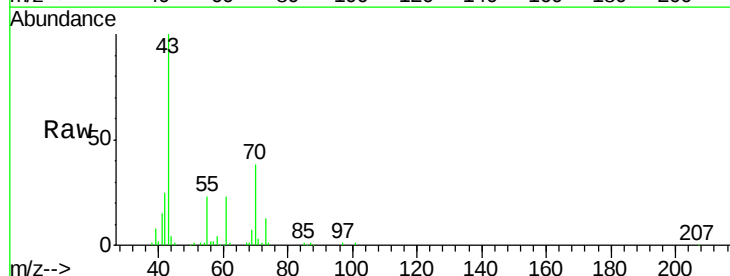
Ion Ratio Lower Upper

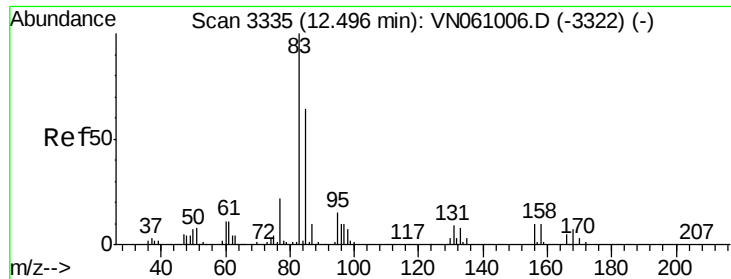
43 100

70 38.1 31.0 46.6

55 23.3 18.6 27.8

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.999 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

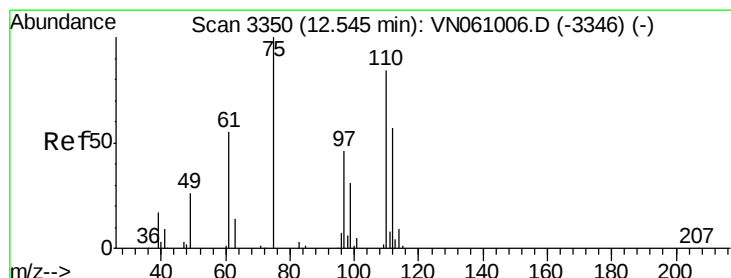
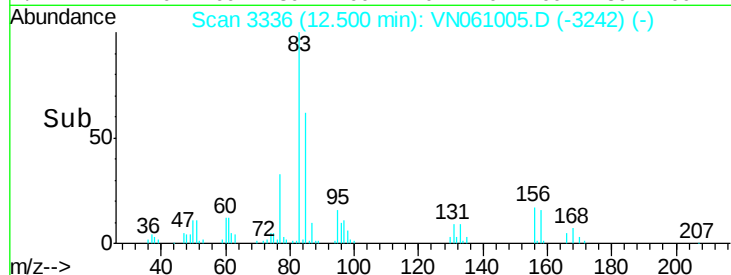
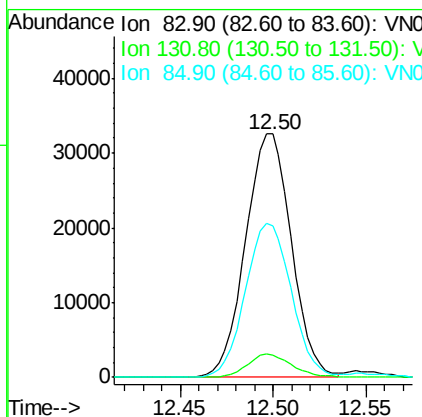
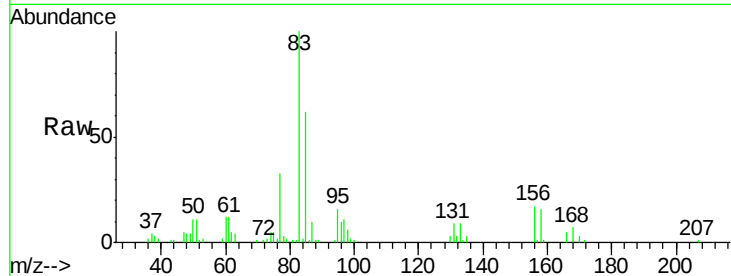
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	55985
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	63.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.558 ug/l m

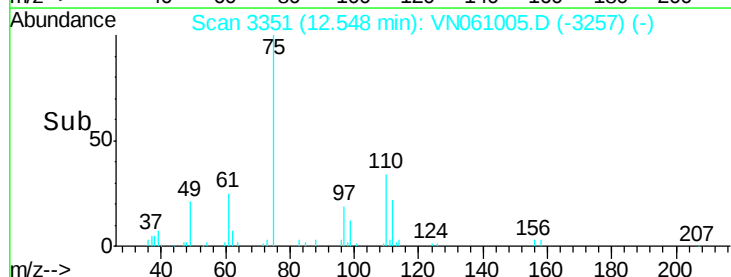
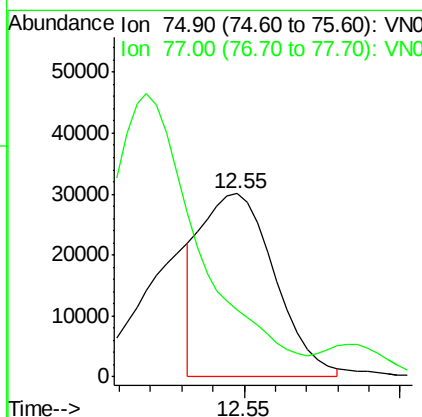
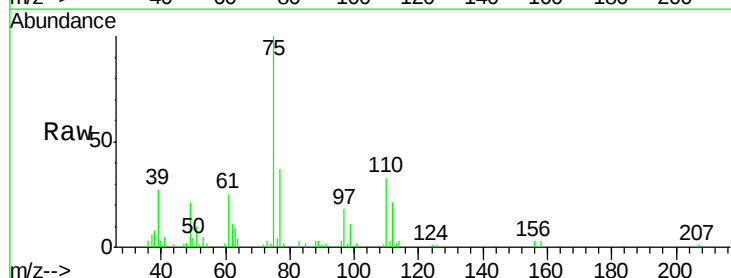
RT: 12.55 min Scan# 3351

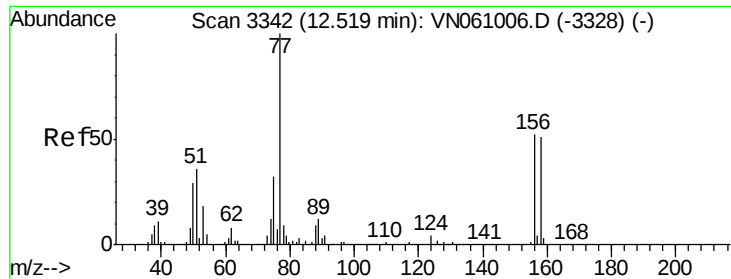
Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	75	Resp:	49384
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.834 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 41870

Ion Ratio Lower Upper

156 100

77 227.0 115.6 346.8

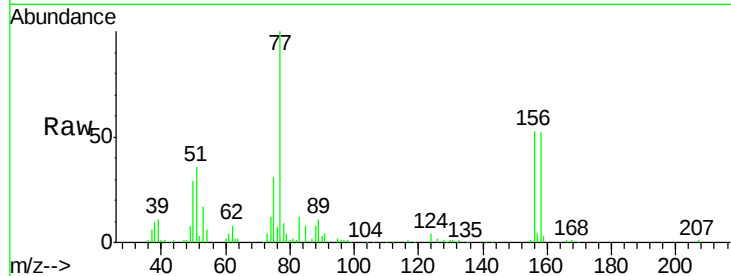
158 96.8 48.9 146.6

Manual Integrations

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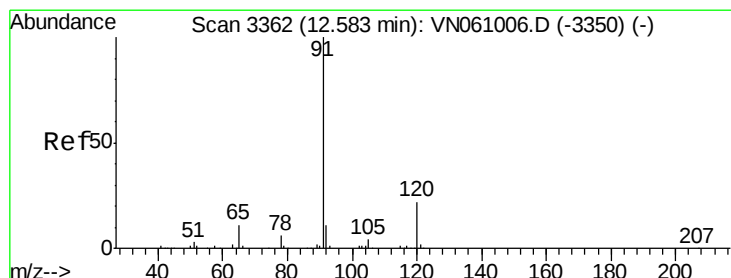
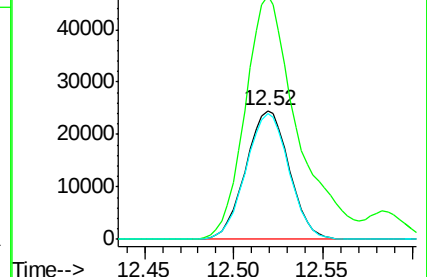
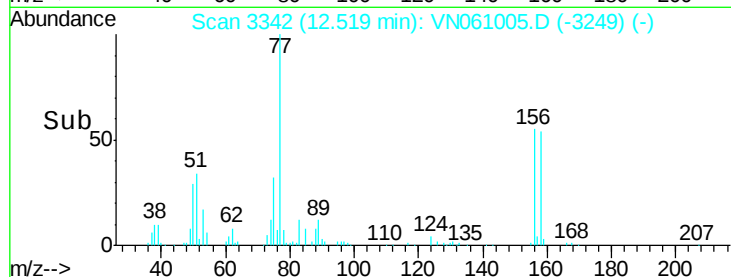
4/17/2020 11:53:01 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.128 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN061005.D

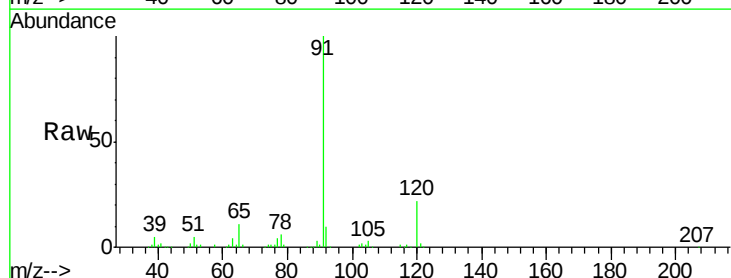
Acq: 16 Apr 2020 11:56

Tgt Ion: 91 Resp: 209653

Ion Ratio Lower Upper

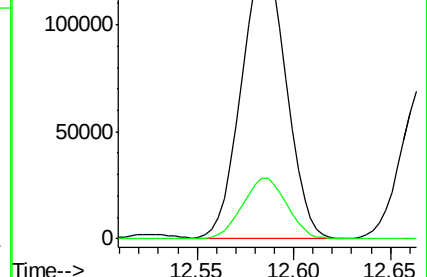
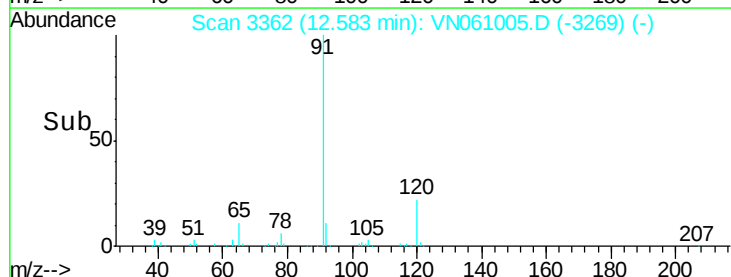
91 100

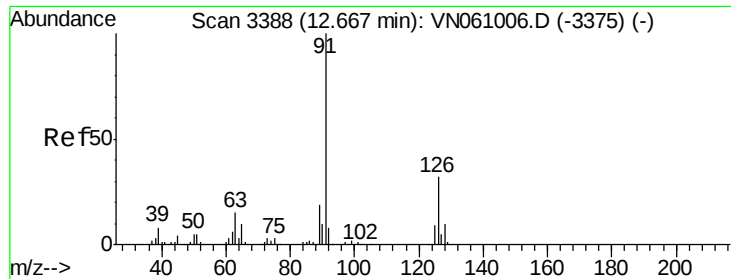
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.749 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 122540

Ion Ratio Lower Upper

91 100

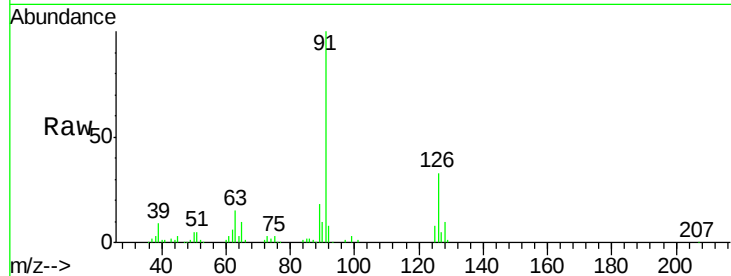
126 32.2 16.1 48.2

Manual Integrations

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4/17/2020 11:53:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3375) (-)

Ion 125.90 (125.60 to 126.60): VN061006.D (-3375) (-)

150000

100000

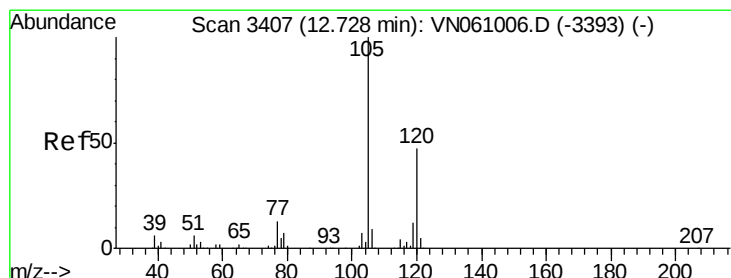
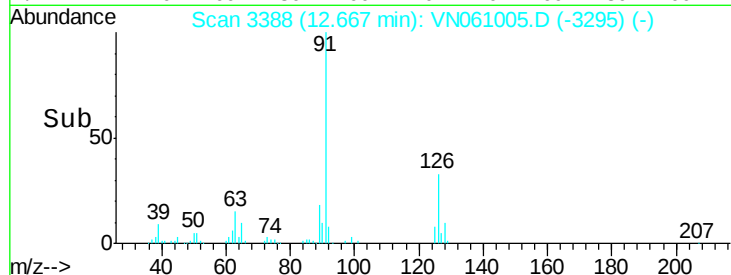
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.843 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061005.D

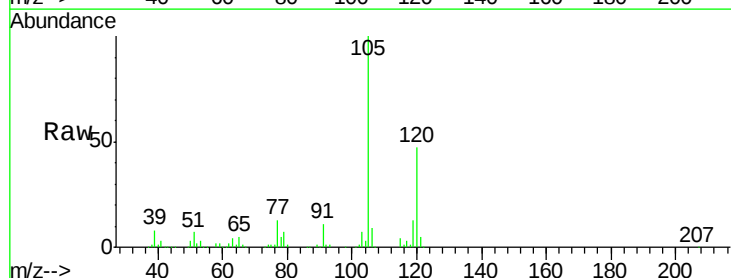
Acq: 16 Apr 2020 11:56

Tgt Ion: 105 Resp: 148198

Ion Ratio Lower Upper

105 100

120 47.2 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN061006.D (-3393) (-)

100000

80000

60000

40000

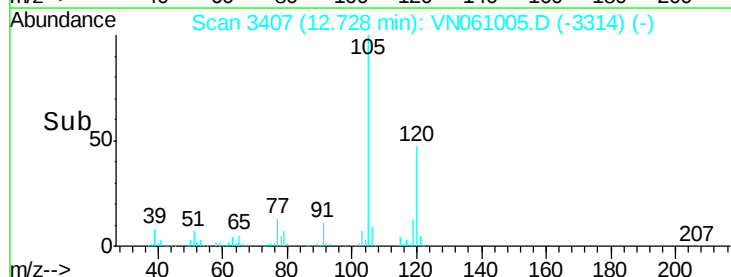
20000

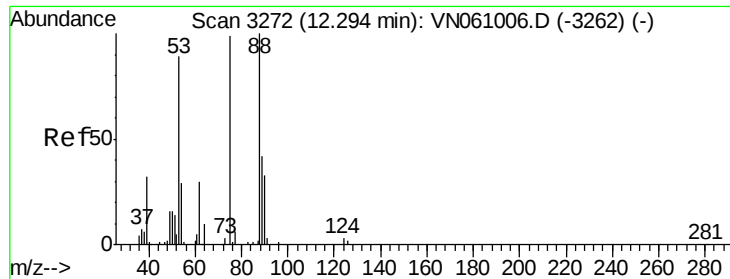
0

12.65 12.70 12.75 12.80

12.73

Time-->





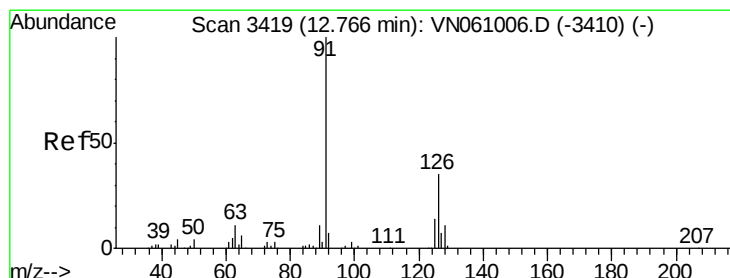
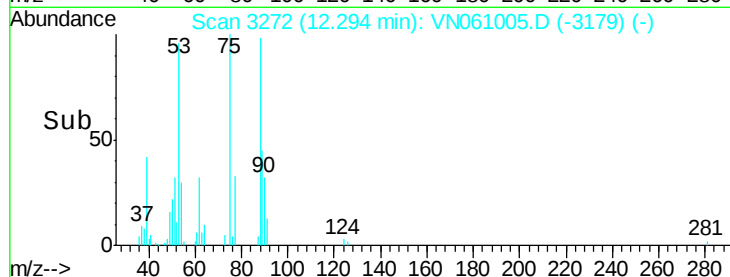
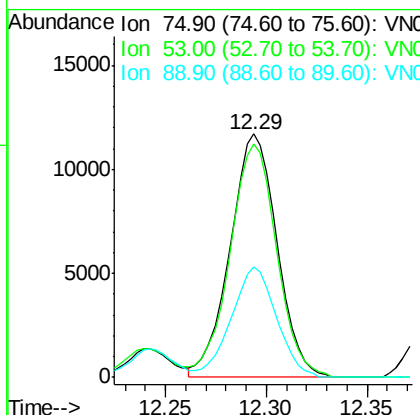
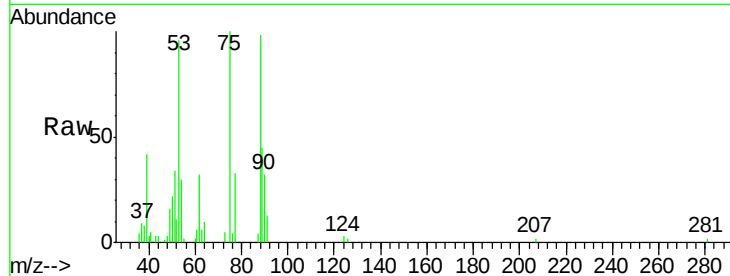
#81
trans-1,4-Dichloro-2-butene
Concen: 20.320 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	74.7	112.1
89	43.5	34.6	52.0

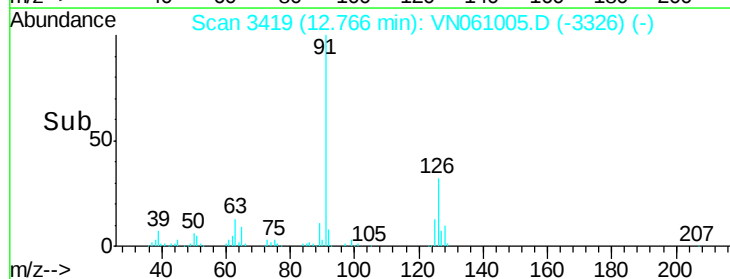
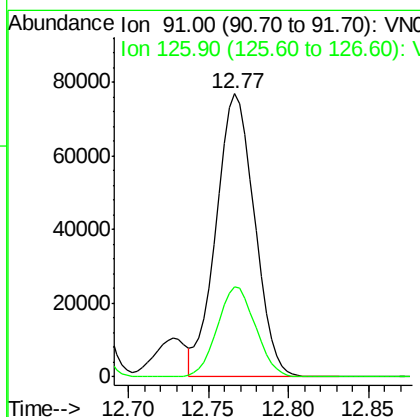
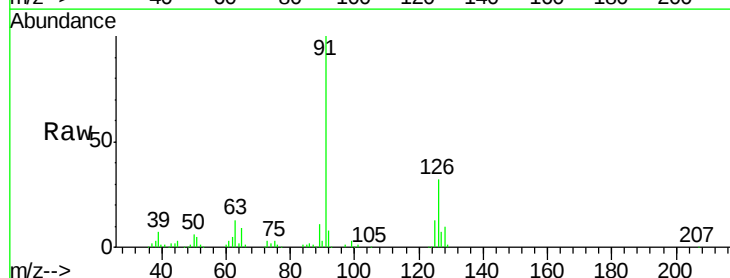
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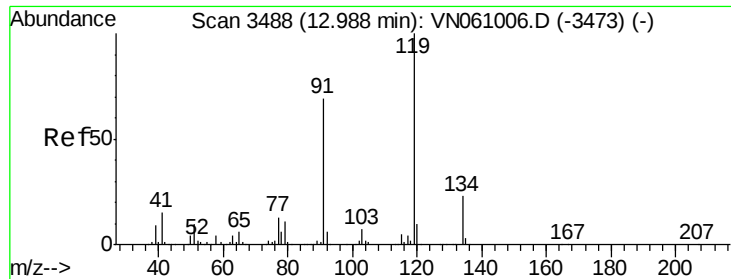
MMDadoda
4/17/2020 11:53:01 AM



#82
4-Chlorotoluene
Concen: 21.067 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





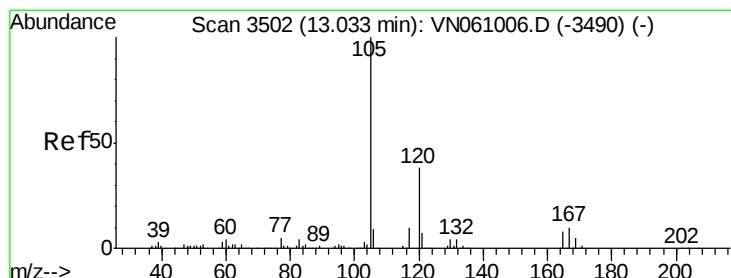
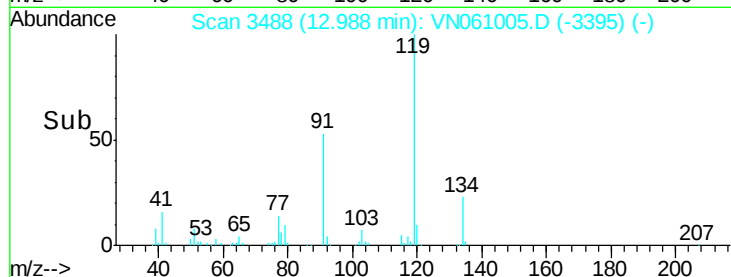
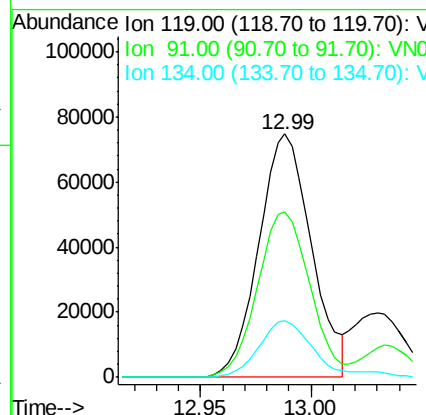
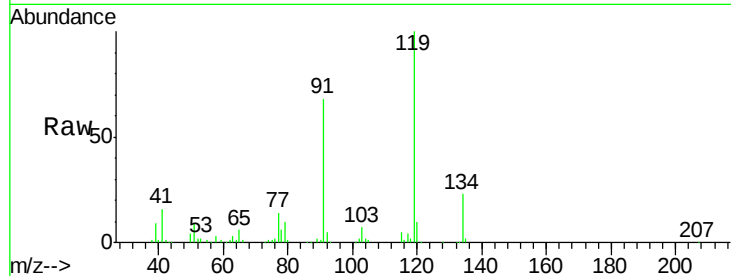
#83
tert-Butylbenzene
Concen: 21.039 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.1	102.3
134	24.9	12.4	37.2

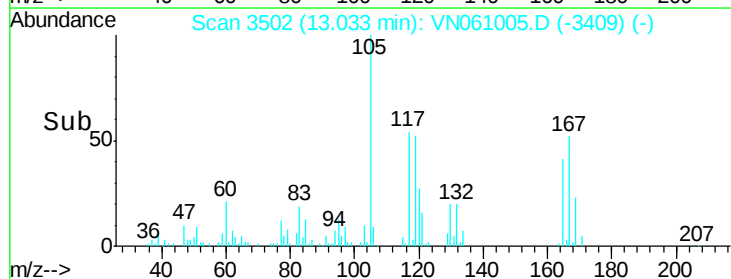
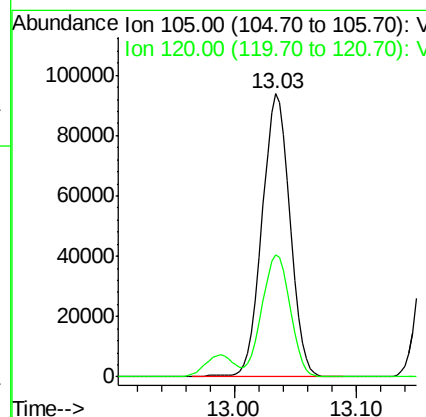
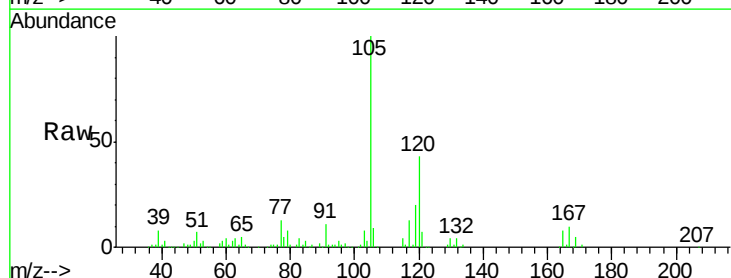
Manual Integrations
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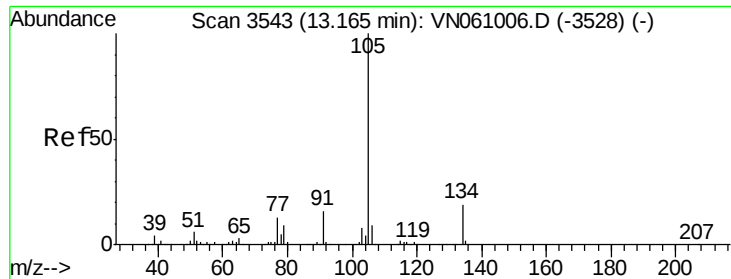
MMDadoda
4/17/2020 11:53:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.137 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





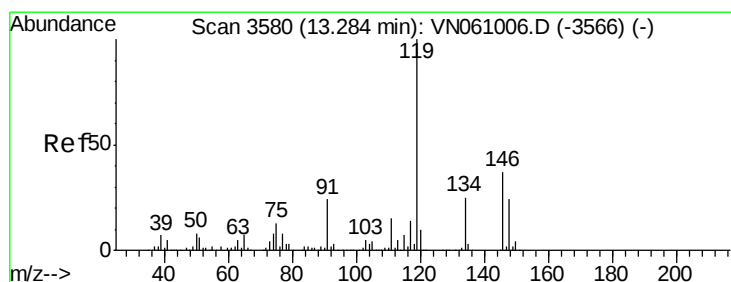
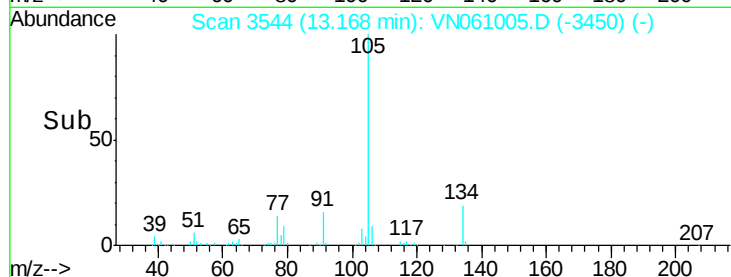
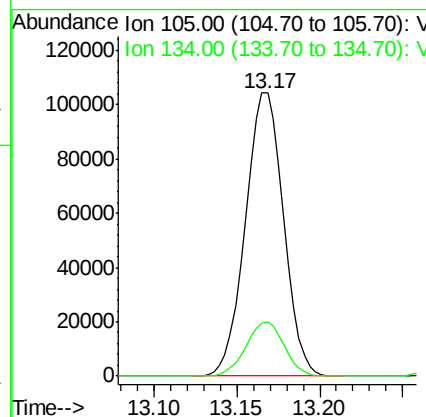
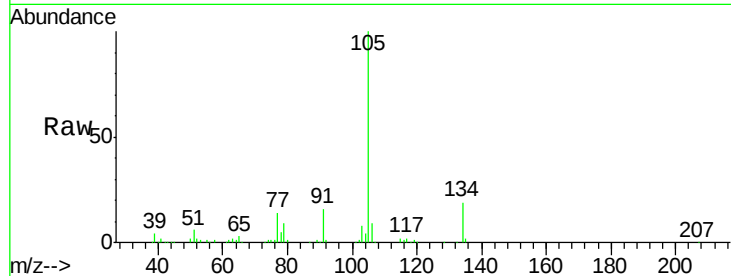
#85
 sec-Butylbenzene
 Concen: 21.005 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.5	28.5

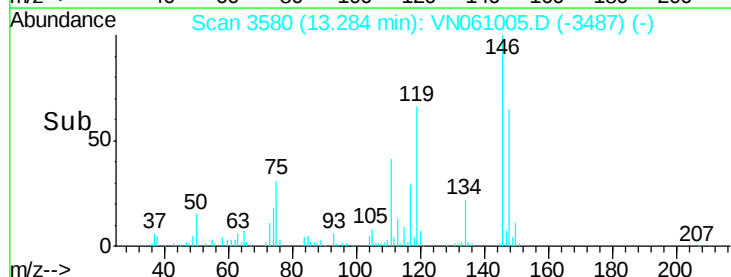
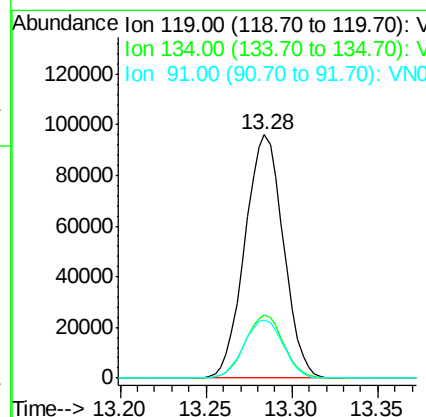
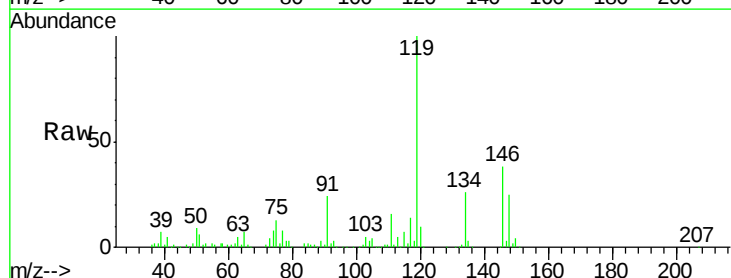
Manual Integrations
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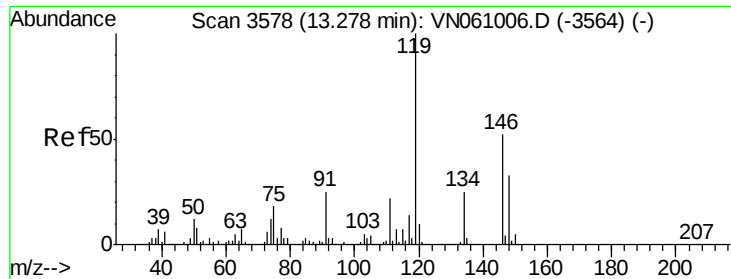
MMDadoda
 4/17/2020 11:53:01 AM



#86
 p-Isopropyltoluene
 Concen: 20.897 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.5	12.3	36.8





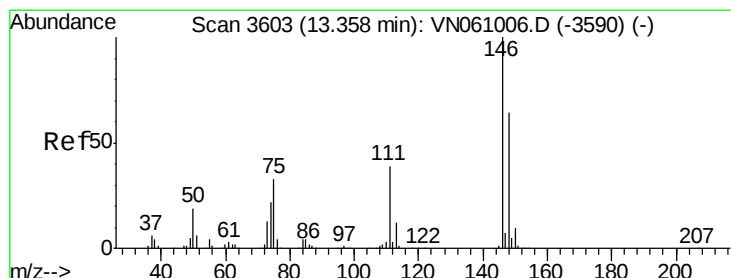
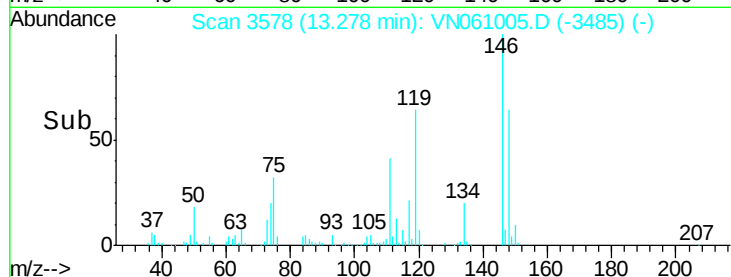
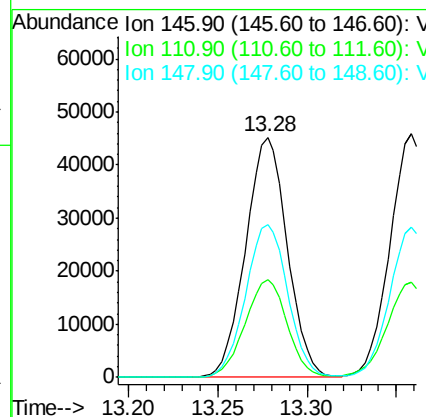
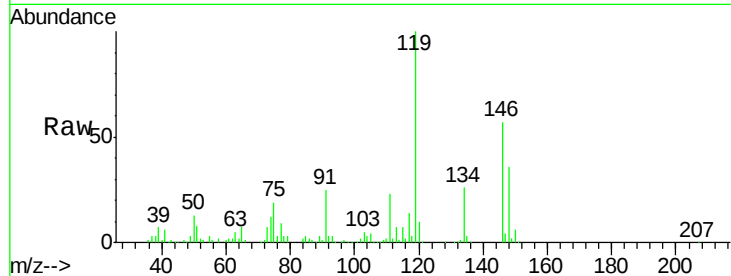
#87
 1,3-Dichlorobenzene
 Concen: 20.706 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.4	31.8	95.3

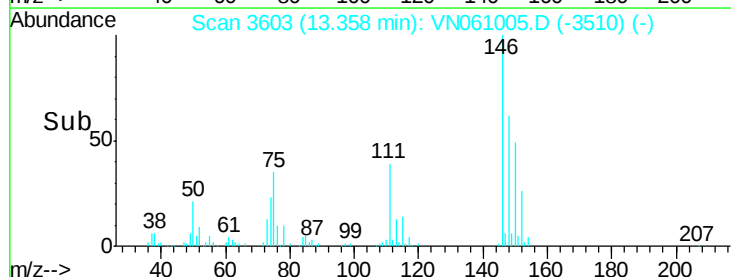
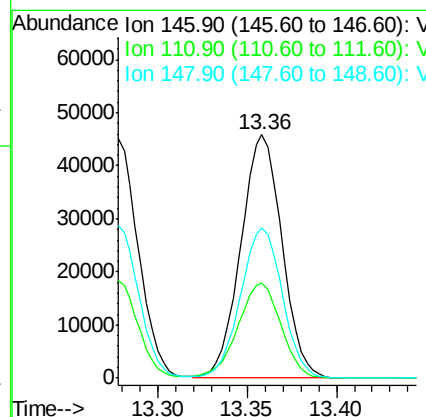
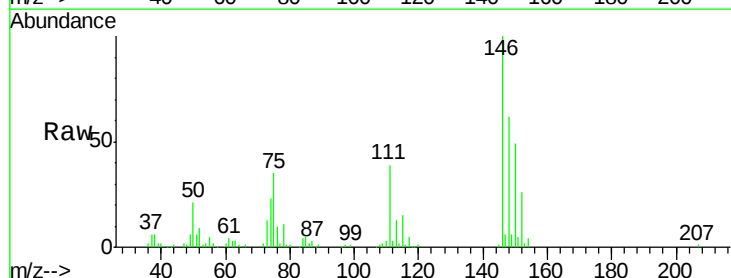
Manual Integrations
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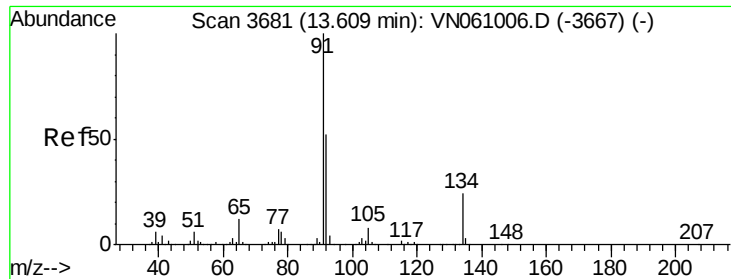
MMDadoda
 4/17/2020 11:53:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.675 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.3
148	62.7	32.1	96.3





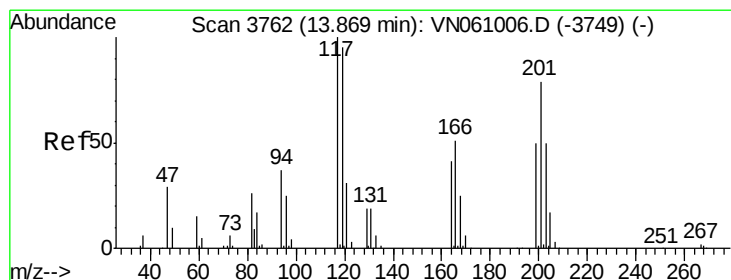
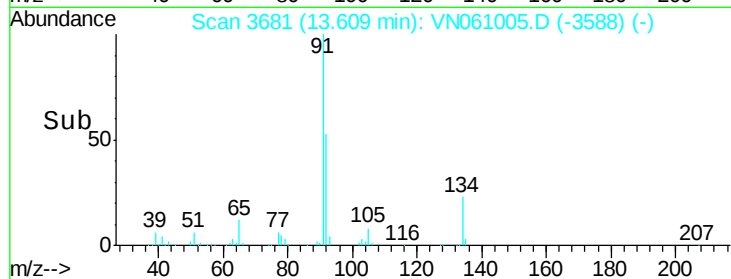
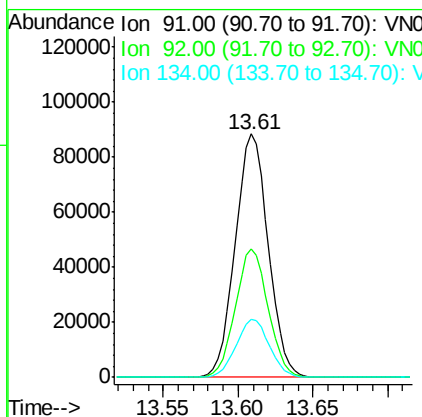
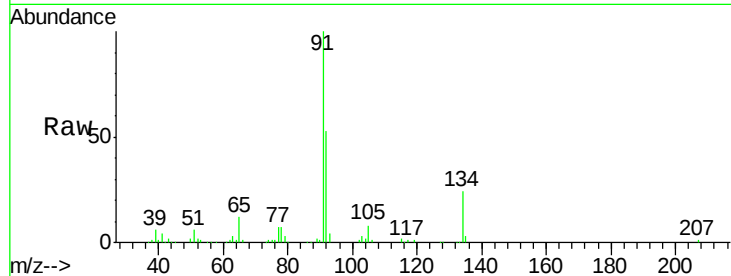
#89
n-Butylbenzene
Concen: 20.950 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	24.0	12.3	36.8

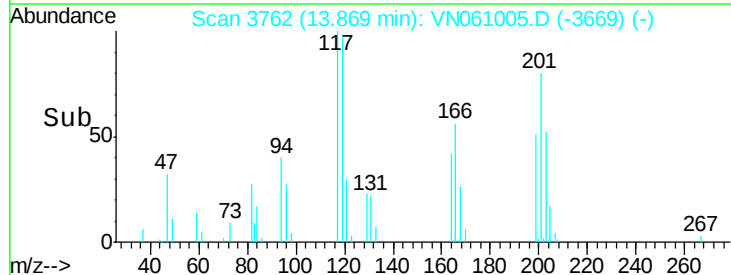
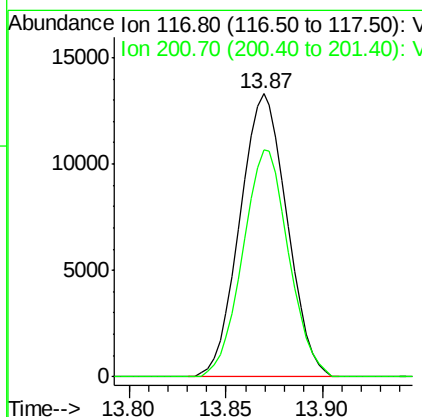
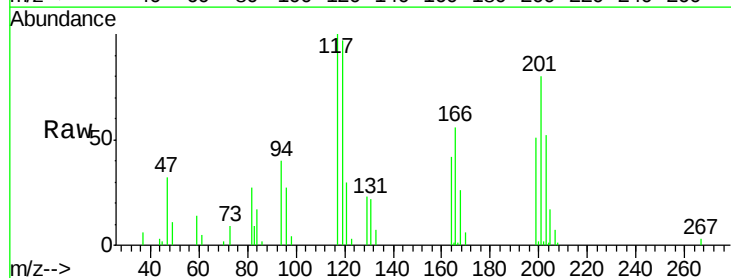
Manual Integrations
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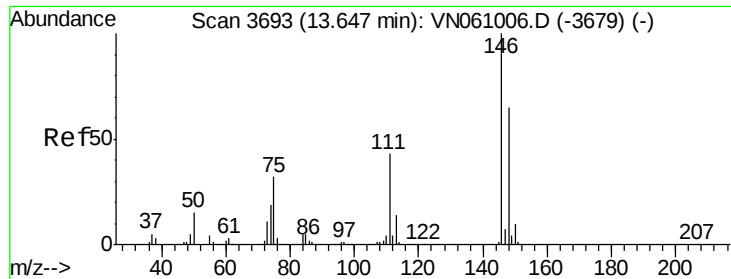
MMDadoda
4/17/2020 11:53:01 AM



#90
Hexachloroethane
Concen: 21.670 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.3	117.9





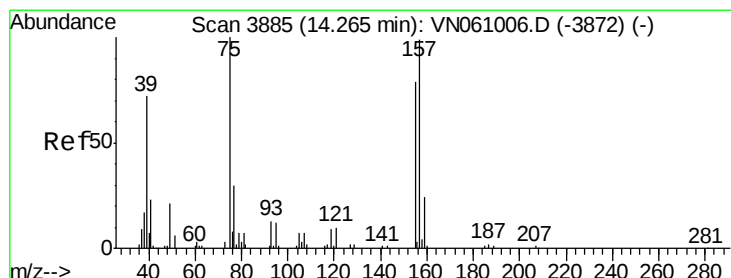
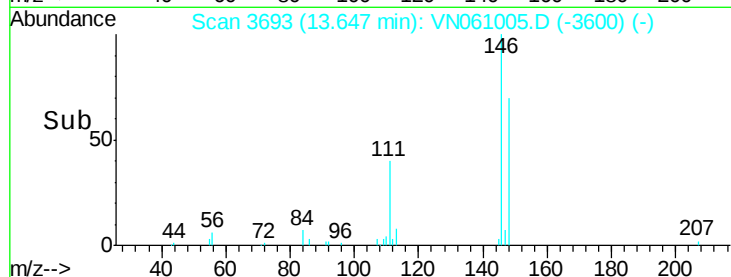
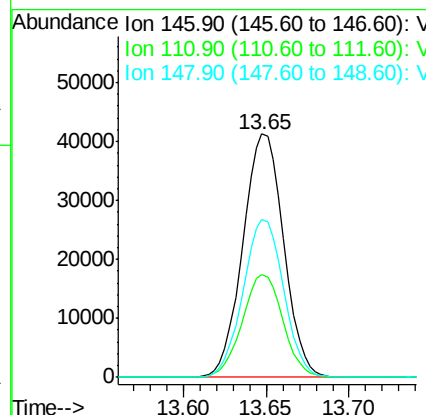
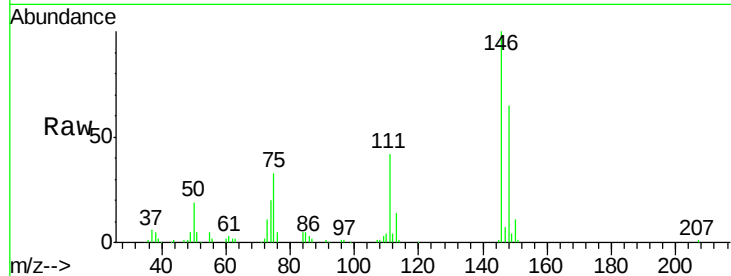
#91
 1,2-Dichlorobenzene
 Concen: 20.810 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	64.6	32.0	96.0

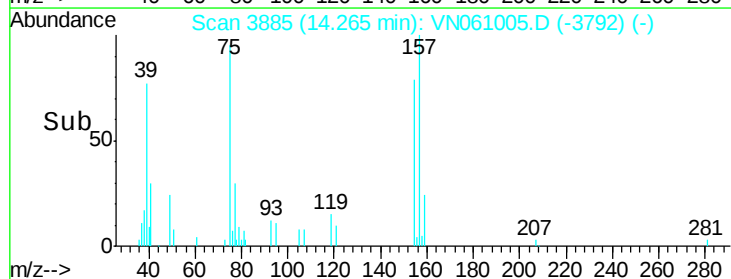
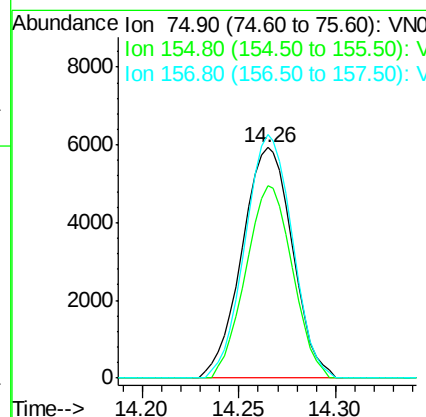
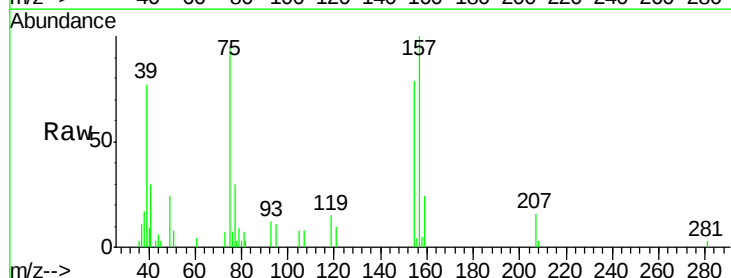
Manual Integrations
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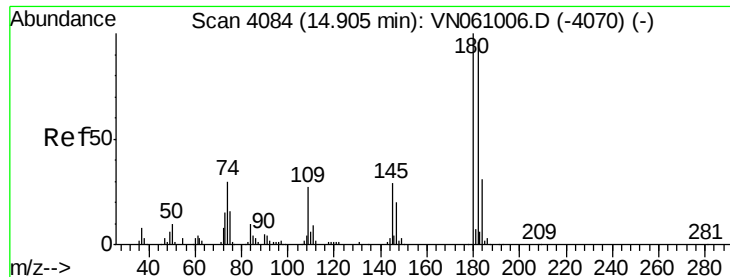
MMDadoda
 4/17/2020 11:53:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.911 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	39.5	118.5
157	98.8	50.1	150.4





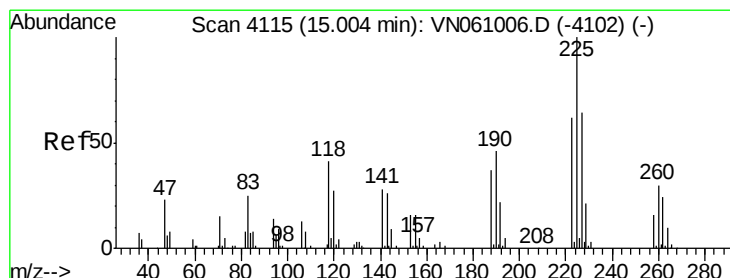
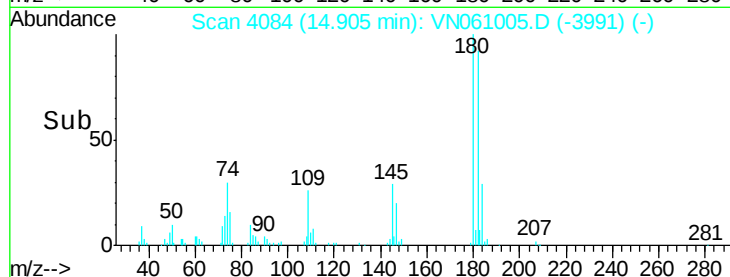
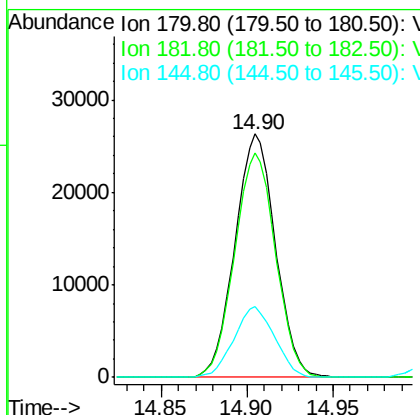
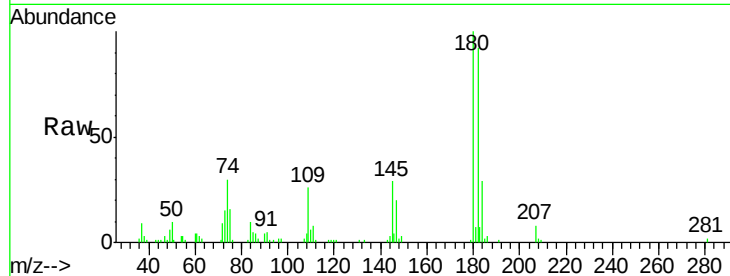
#93
 1,2,4-Trichlorobenzene
 Concen: 20.629 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42942		
182	93.1		47.8	143.3
145	29.1		15.3	45.8

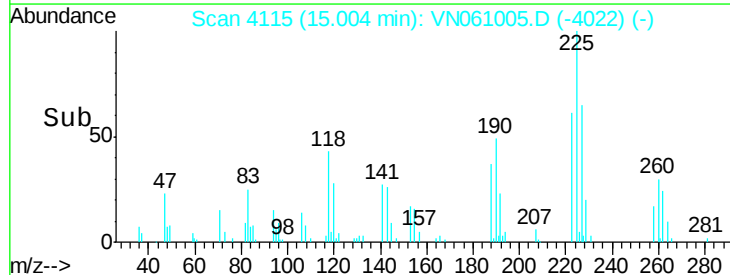
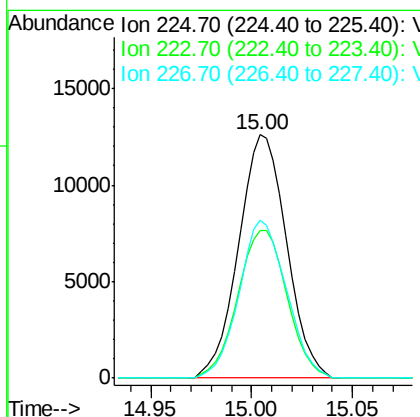
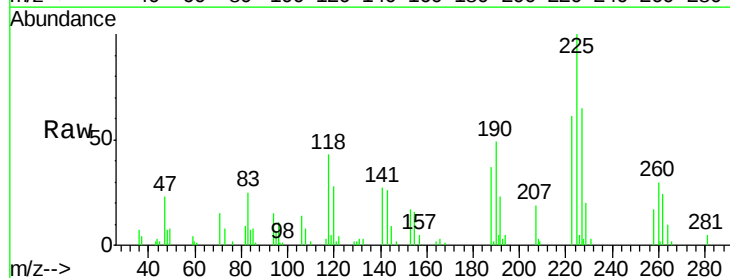
Manual Integrations
 APPROVED

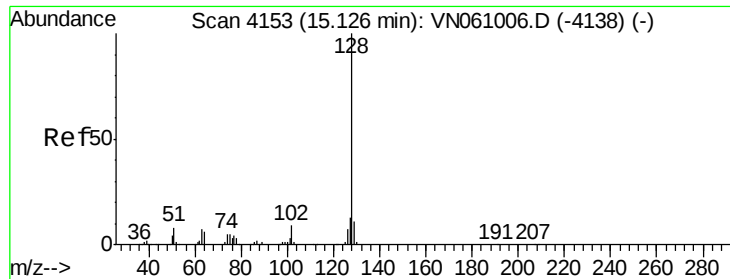
MMDadoda
 4/17/2020 11:53:01 AM



#94
 Hexachlorobutadiene
 Concen: 20.407 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20999		
223	62.4		31.3	93.8
227	63.7		31.9	95.5





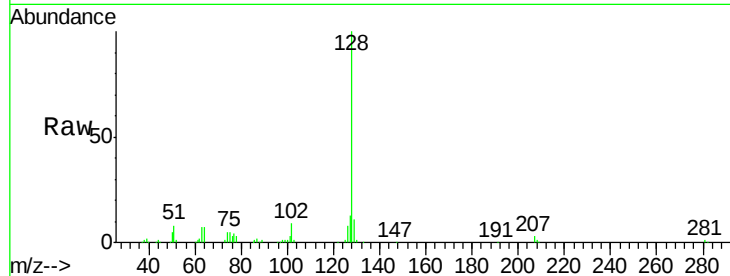
#95
Naphthalene
Concen: 20.192 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

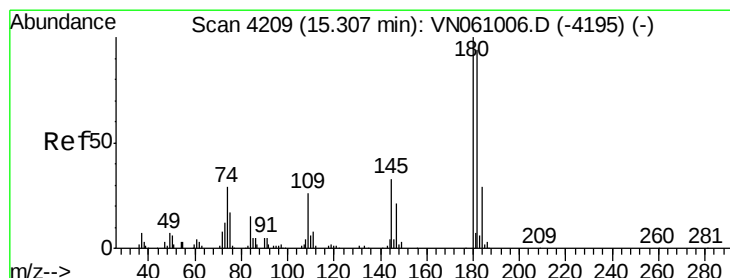
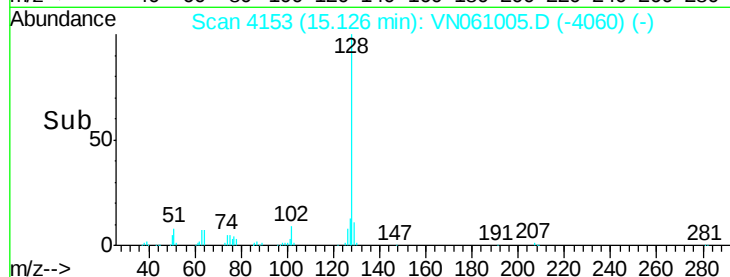
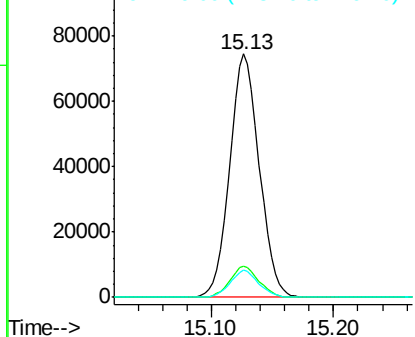
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:01 AM

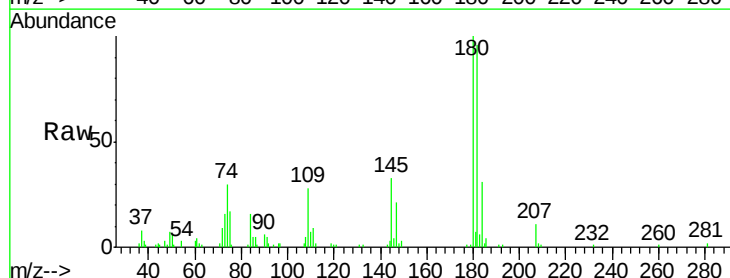


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.007 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	32.8	16.4	49.2



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

