

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061067.D
 Acq On : 17 Apr 2020 21:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:17 AM

Quant Time: Apr 20 06:03:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	152920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	264138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	99704	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.56	113	77999	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.08	98	280603	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.39	95	111322	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	100730	49.838	ug/l	99
3) Chloromethane	2.04	50	137371	50.649	ug/l	99
4) Vinyl Chloride	2.17	62	116157	51.536	ug/l	100
5) Bromomethane	2.54	94	55736	49.312	ug/l	99
6) Chloroethane	2.68	64	68959	53.039	ug/l	98
7) Trichlorofluoromethane	3.00	101	146447	52.191	ug/l	99
8) Diethyl Ether	3.38	74	58890	52.805	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	81440	49.469	ug/l	100
10) Methyl Iodide	3.93	142	82818	57.023	ug/l	98
11) Tert butyl alcohol	4.72	59	96875	279.069	ug/l	100
12) 1,1-Dichloroethene	3.72	96	85629	51.170	ug/l	99
13) Acrolein	3.57	56	69871	238.384	ug/l	99
14) Allyl chloride	4.29	41	155362	49.068	ug/l	99
15) Acrylonitrile	4.94	53	269458	286.286	ug/l	99
16) Acetone	3.78	43	216910	251.881	ug/l	100
17) Carbon Disulfide	4.03	76	258269	49.322	ug/l	98
18) Methyl Acetate	4.28	43	159484	59.059	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	302428	51.830	ug/l	98
20) Methylene Chloride	4.52	84	97291	51.745	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	92191	51.508	ug/l	98
22) Diisopropyl ether	5.91	45	346846	52.745	ug/l	98
23) Vinyl Acetate	5.86	43	1360272	263.787	ug/l	100
24) 1,1-Dichloroethane	5.82	63	184190	51.860	ug/l	100
25) 2-Butanone	6.80	43	366864	278.009	ug/l	100
26) 2,2-Dichloropropane	6.79	77	135148	45.701	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	105469	51.327	ug/l	99
28) Bromochloromethane	7.17	49	84059	51.560	ug/l	98
29) Tetrahydrofuran	7.18	42	251152	280.344	ug/l	100
30) Chloroform	7.35	83	172554	52.088	ug/l	99
31) Cyclohexane	7.63	56	174987	48.013	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	149331	52.115	ug/l	99
36) 1,1-Dichloropropene	7.77	75	134868	49.481	ug/l	100
37) Ethyl Acetate	6.89	43	154519	52.209	ug/l	100
38) Carbon Tetrachloride	7.75	117	118972	52.439	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	158222	48.554	ug/l	98
40) Benzene	8.02	78	404601	50.036	ug/l	100
41) Methacrylonitrile	7.14	41	73613m	59.632	ug/l	
42) 1,2-Dichloroethane	8.10	62	140563	51.029	ug/l	99
43) Isopropyl Acetate	8.14	43	253936	52.755	ug/l	100
44) Trichloroethene	8.82	130	98870	48.661	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111851	51.212	ug/l	96
46) Dibromomethane	9.19	93	66615	52.900	ug/l	99
47) Bromodichloromethane	9.38	83	136283	51.230	ug/l	97
48) Methyl methacrylate	9.18	41	115618	54.353	ug/l	99
49) 1,4-Dioxane	9.18	88	32590	1101.970	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	767210	276.491	ug/l	100
52) Toluene	10.14	92	242812	50.054	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	156066	50.506	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	168268	49.908	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94810	51.646	ug/l	96
56) Ethyl methacrylate	10.42	69	157779	54.657	ug/l	99
57) 1,3-Dichloropropane	10.70	76	168190	51.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	360824	275.077	ug/l	100
59) 2-Hexanone	10.74	43	563843	281.761	ug/l	99
60) Dibromochloromethane	10.89	129	99991	53.023	ug/l	98
61) 1,2-Dibromoethane	10.99	107	98228	52.511	ug/l	98
64) Tetrachloroethene	10.62	164	91872	49.749	ug/l	98
65) Chlorobenzene	11.42	112	245262	49.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	89521	50.225	ug/l	100
67) Ethyl Benzene	11.50	91	468703	50.014	ug/l	99
68) m/p-Xylenes	11.61	106	341523	100.839	ug/l	99
69) o-Xylene	11.94	106	164640	50.560	ug/l	99
70) Styrene	11.96	104	274525	52.366	ug/l	100
71) Bromoform	12.12	173	71032	53.389	ug/l #	99
73) Isopropylbenzene	12.24	105	444464	49.155	ug/l	99
74) N-amyl acetate	12.06	43	213942	50.880	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	143482	51.983	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	134720m	54.267	ug/l	
77) Bromobenzene	12.52	156	103969	49.247	ug/l	99
78) n-propylbenzene	12.58	91	527255	49.840	ug/l	100
79) 2-Chlorotoluene	12.67	91	305891	49.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	375806	50.282	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	49583	49.264	ug/l	98
82) 4-Chlorotoluene	12.77	91	318353	49.472	ug/l	100
83) tert-Butylbenzene	12.99	119	314211	49.990	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	370515	50.152	ug/l	99
85) sec-Butylbenzene	13.17	105	427458	50.192	ug/l	99
86) p-Isopropyltoluene	13.28	119	376426	49.637	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	185818	49.388	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	185000	48.876	ug/l	100
89) n-Butylbenzene	13.61	91	349664	49.582	ug/l	99
90) Hexachloroethane	13.87	117	57523	49.439	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	180216	50.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29339	54.923	ug/l	99

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QLast Update : Fri Apr 17 03:49:39 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	106768	50.234	ug/l	99
94) Hexachlorobutadiene	15.00	225	51779	47.357	ug/l	100
95) Naphthalene	15.13	128	323892	52.254	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	103615	50.587	ug/l	99

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

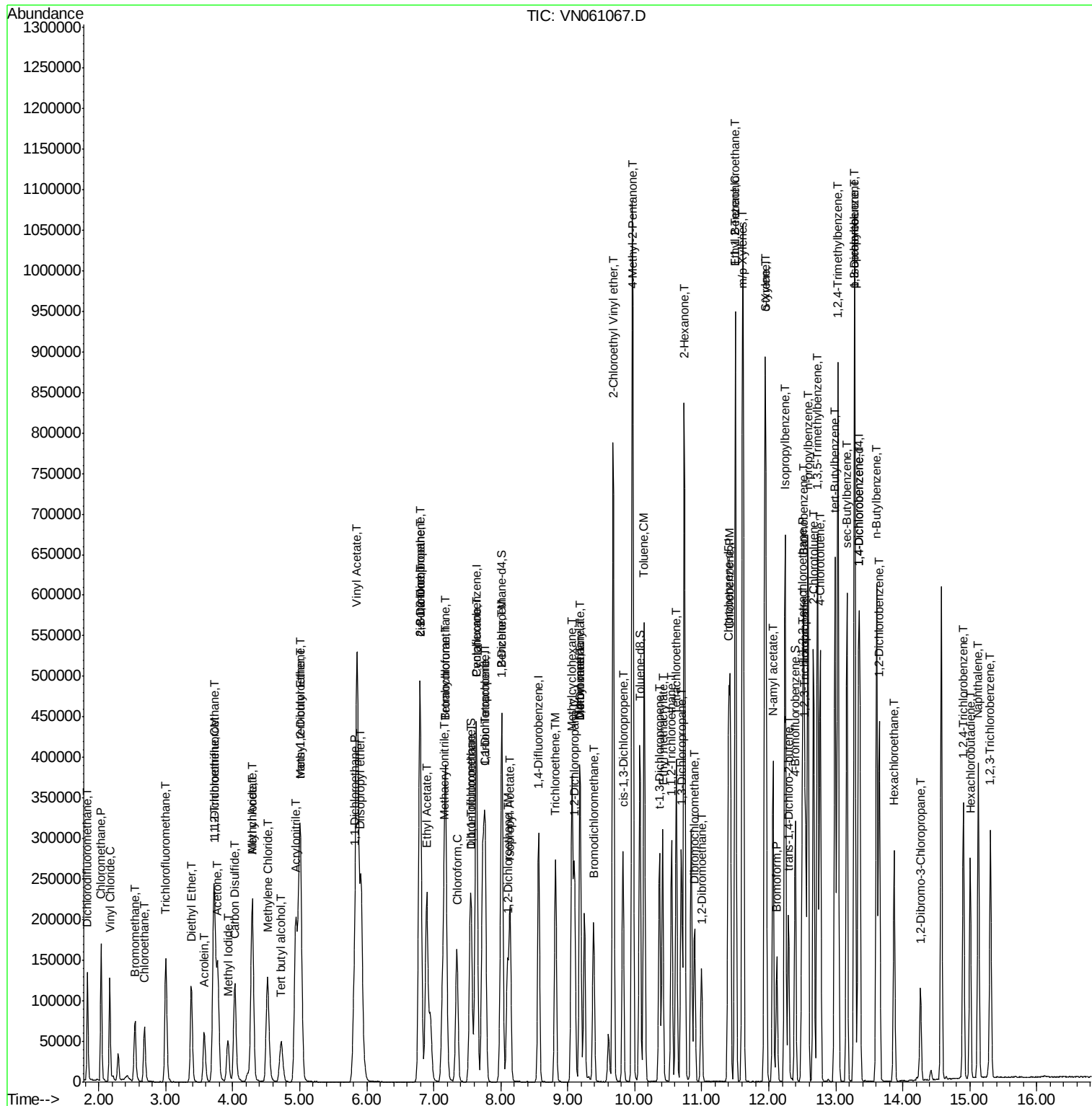
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041720\
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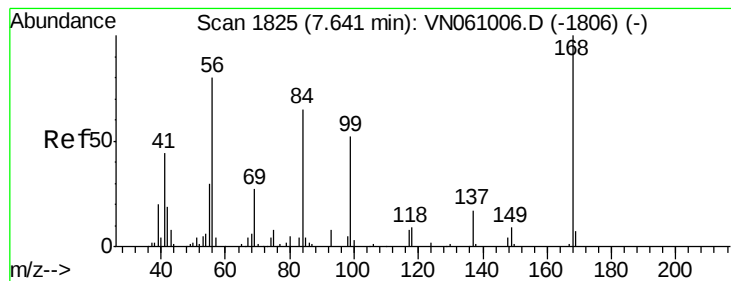
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 152920

Ion Ratio Lower Upper

168 100

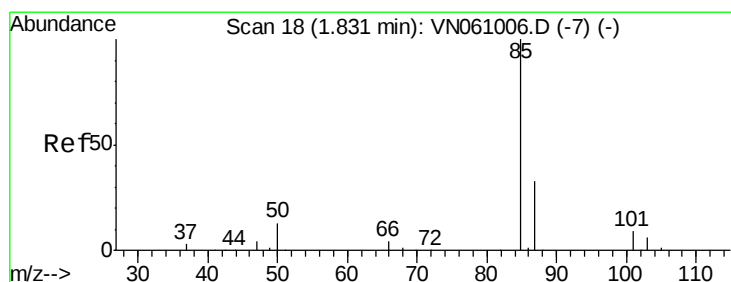
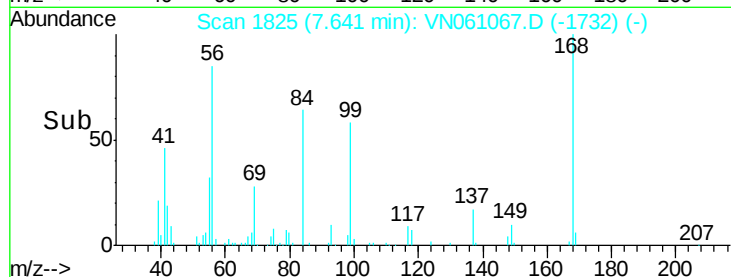
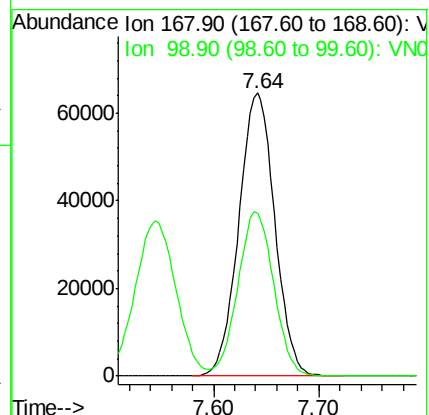
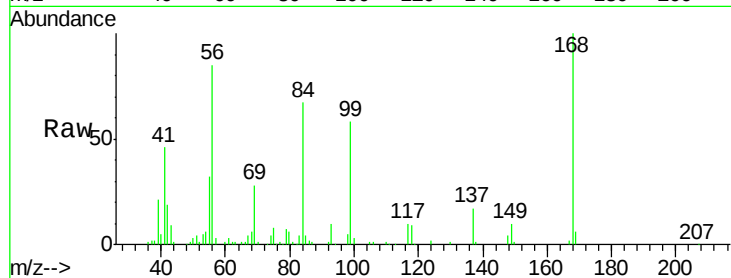
99 57.8 47.4 71.2

Manual Integrations

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4/20/2020 10:21:17 AM



#2

Dichlorodifluoromethane

Concen: 49.838 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061067.D

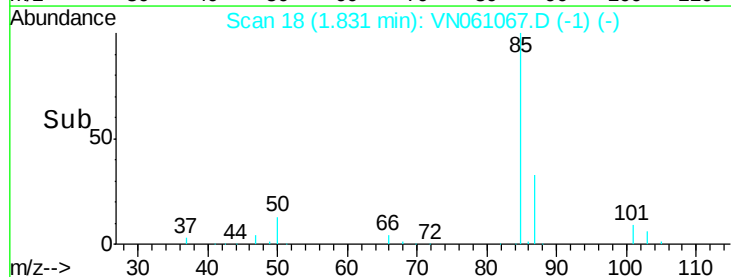
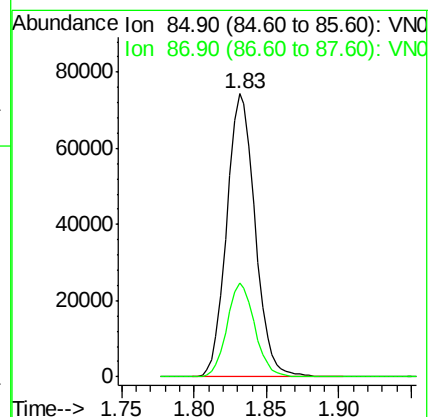
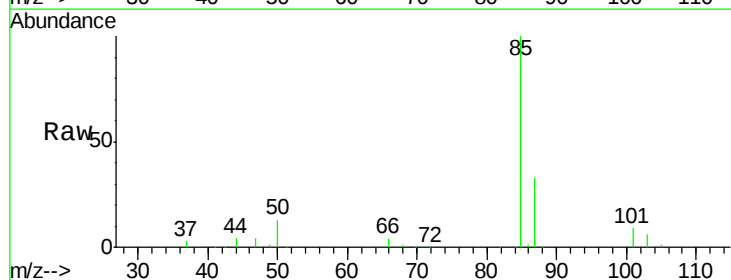
Acq: 17 Apr 2020 21:49

Tgt Ion: 85 Resp: 100730

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.9





#3

Chloromethane

Concen: 50.649 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137371

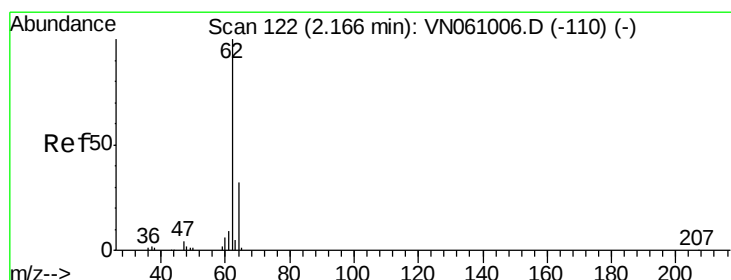
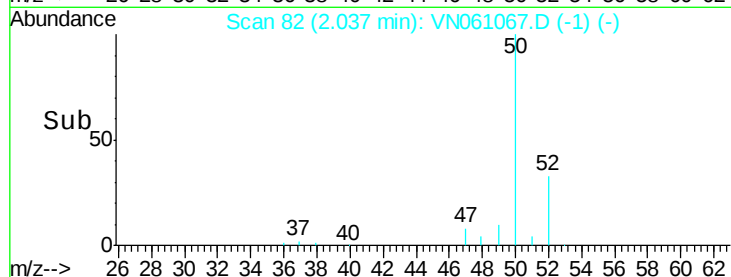
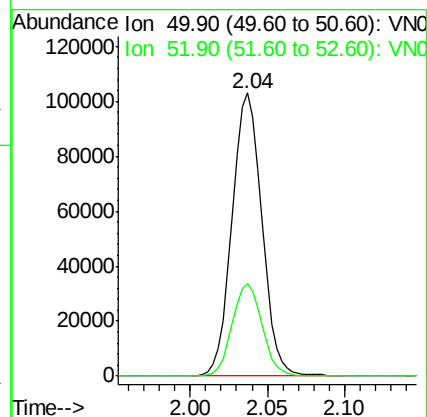
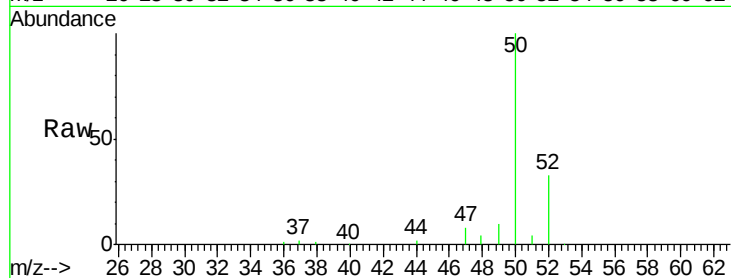
Ion Ratio Lower Upper

50 100

52 32.6 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 51.536 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061067.D

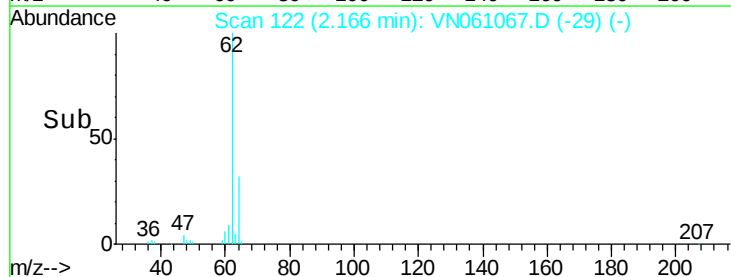
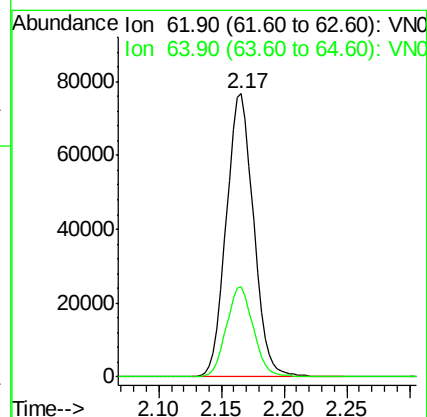
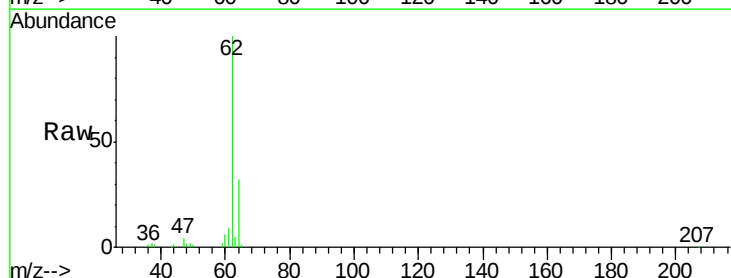
Acq: 17 Apr 2020 21:49

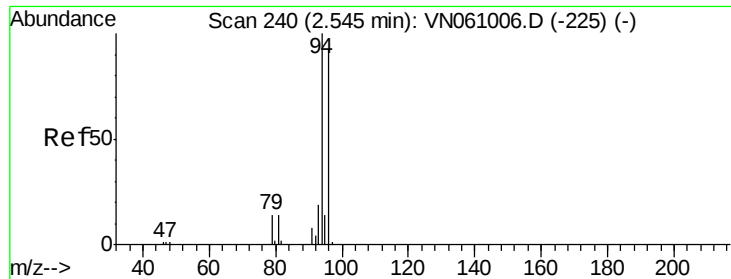
Tgt Ion: 62 Resp: 116157

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 49.312 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55736

Ion Ratio Lower Upper

94 100

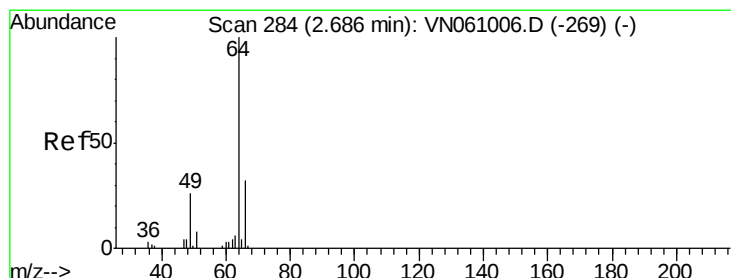
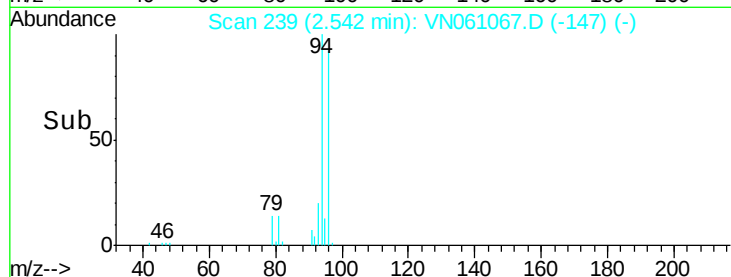
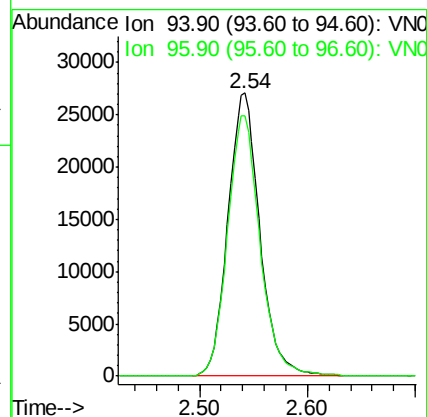
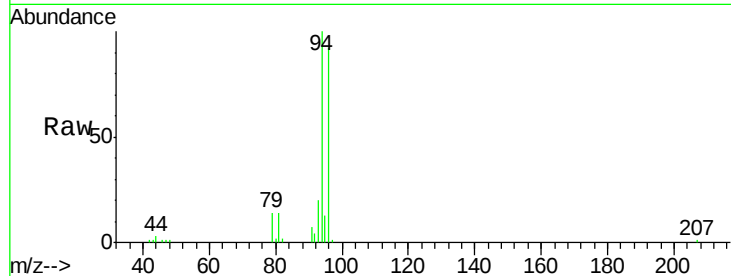
96 91.9 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 53.039 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061067.D

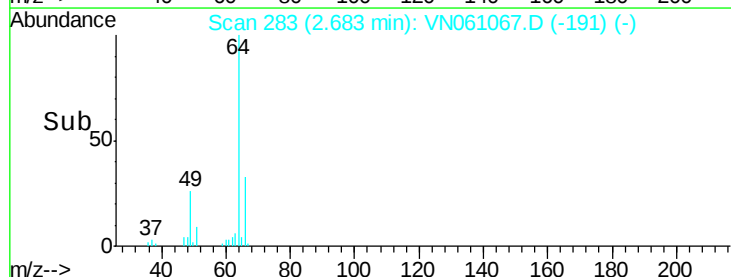
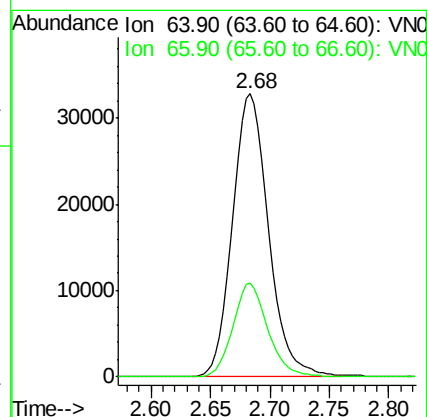
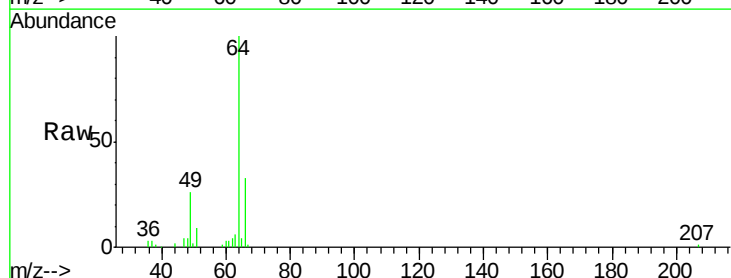
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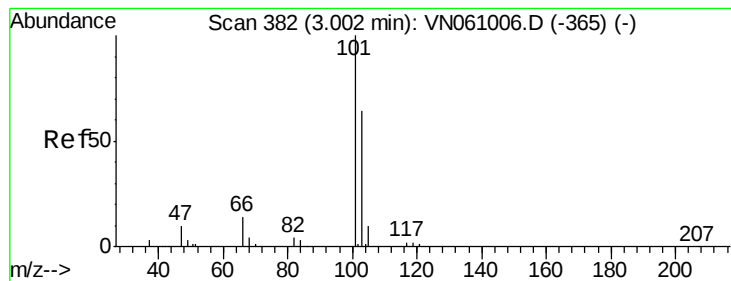
Tgt Ion: 64 Resp: 68959

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.8





#7

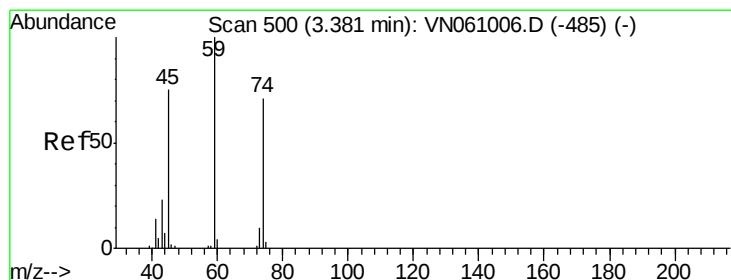
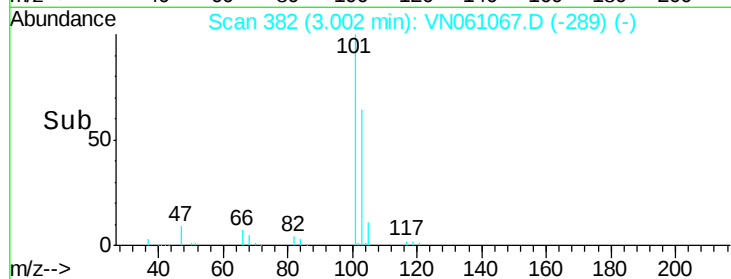
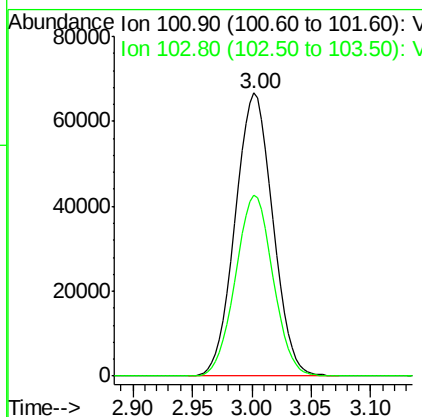
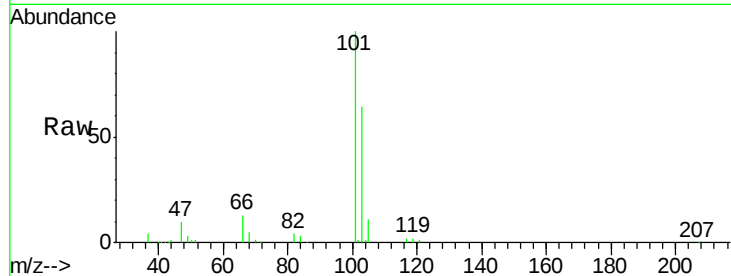
Trichlorofluoromethane
Concen: 52.191 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN061067.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		146447		
103	63.8	51.4	77.2		

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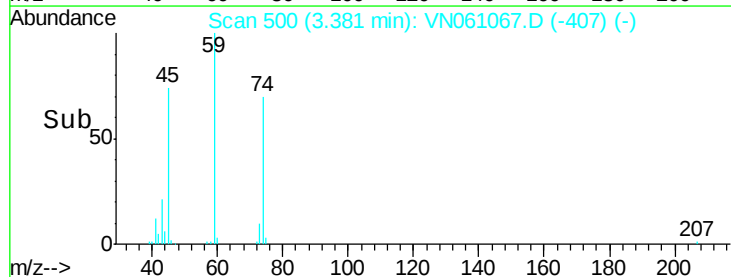
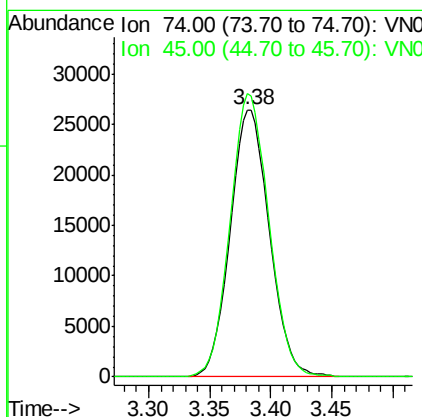
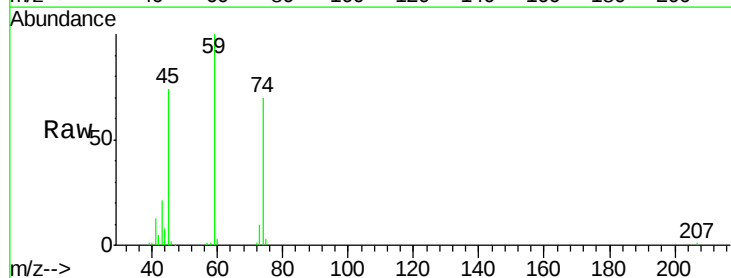
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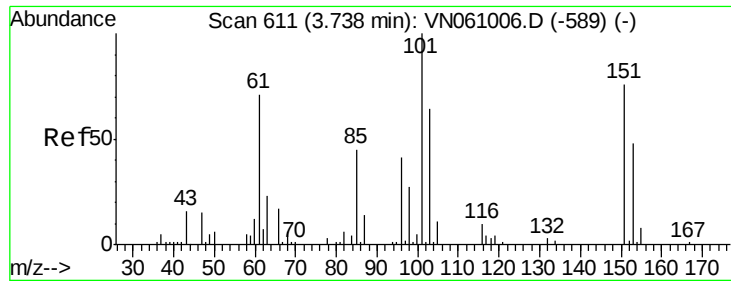


#8

Diethyl Ether
Concen: 52.805 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.00 min
Lab File: VN061067.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58890		
45	104.9	52.9	158.8		





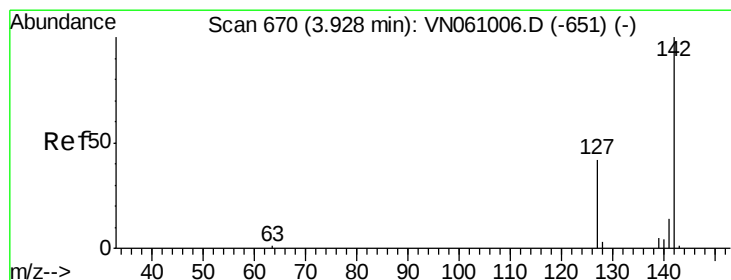
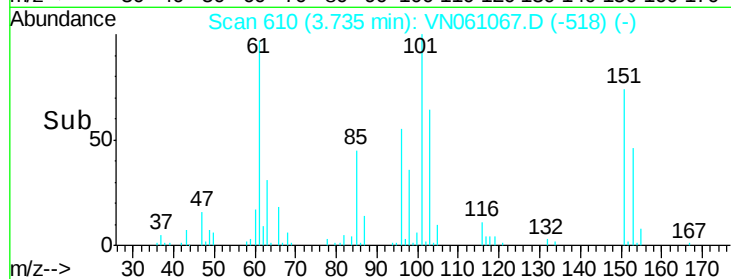
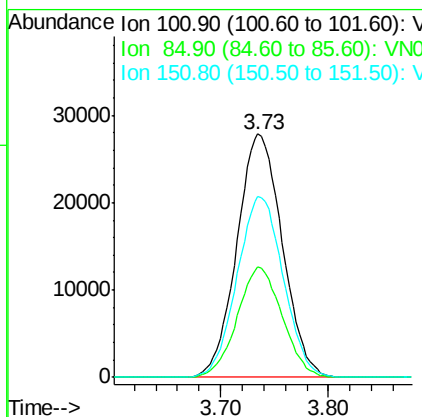
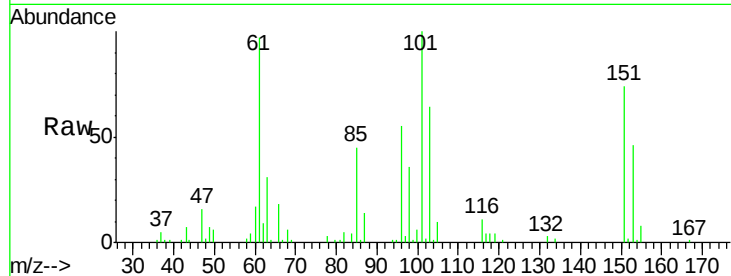
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.469 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.9	53.9
151	75.6	60.8	91.2

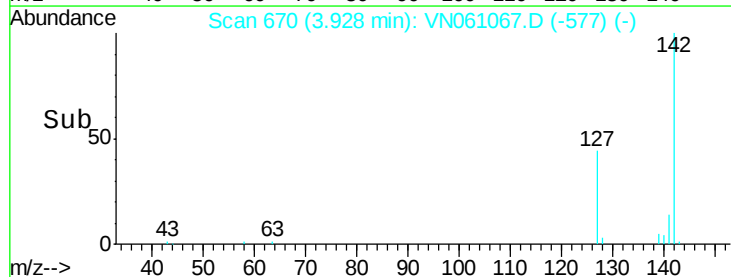
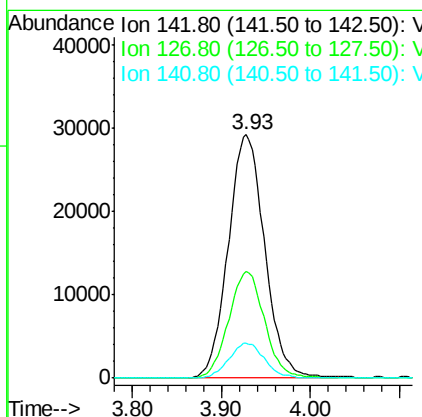
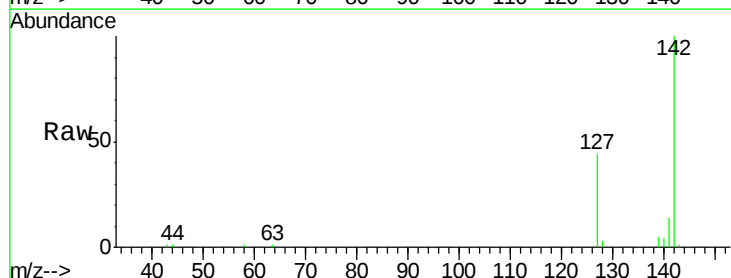
Manual Integrations
APPROVED

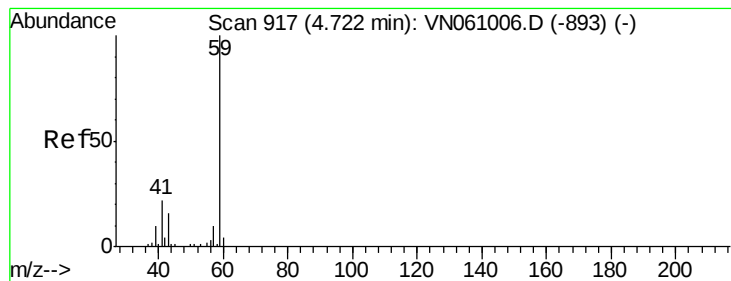
MMDadoda
4/20/2020 10:21:17 AM



#10
Methyl Iodide
Concen: 57.023 ug/l
RT: 3.93 min Scan# 670
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.0	33.4	50.2
141	14.0	11.0	16.6





#11

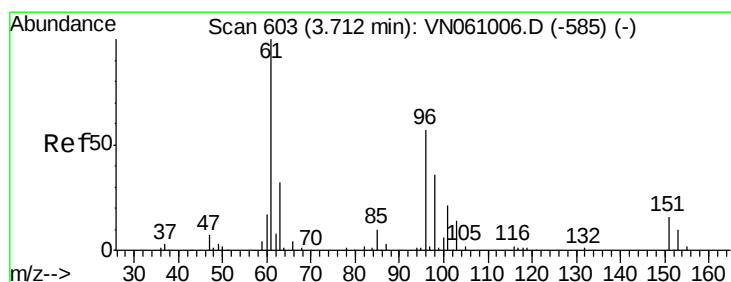
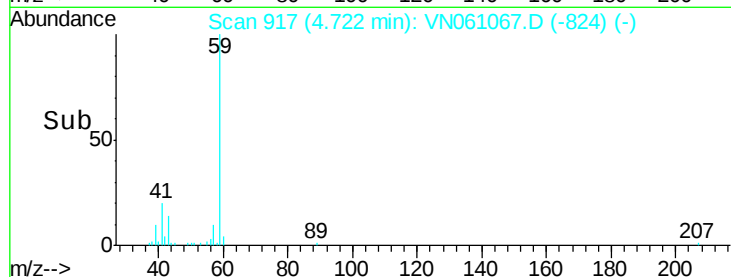
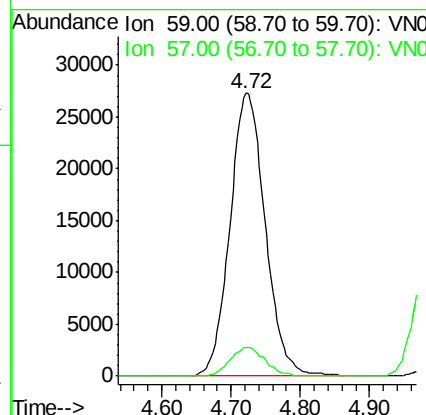
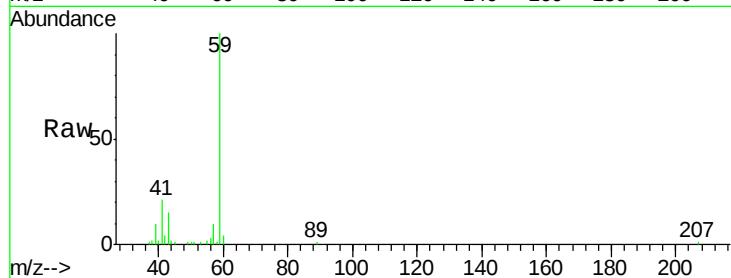
Tert butyl alcohol
 Concen: 279.069 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
 APPROVED

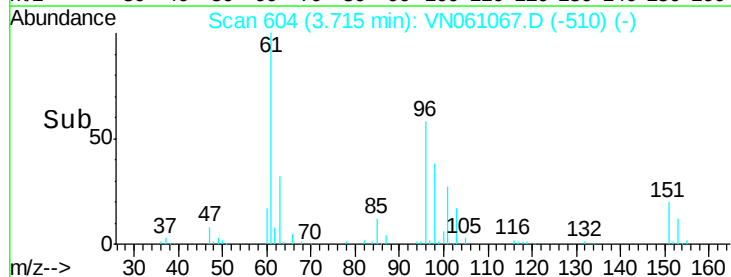
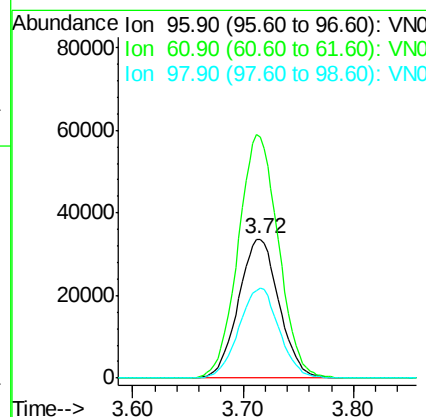
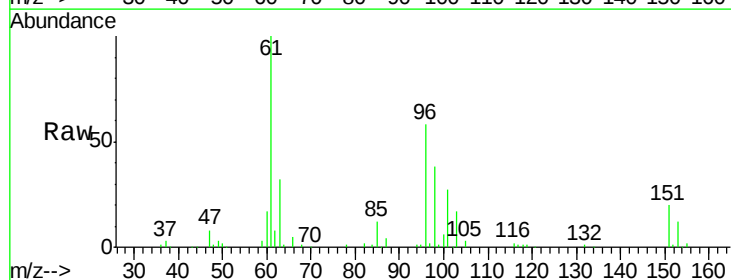
MMDadoda
 4/20/2020 10:21:17 AM



#12

1,1-Dichloroethene
 Concen: 51.170 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.4	139.2	208.8
98	65.1	50.0	75.0





#13

Acrolein

Concen: 238.384 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69871

Ion Ratio Lower Upper

56 100

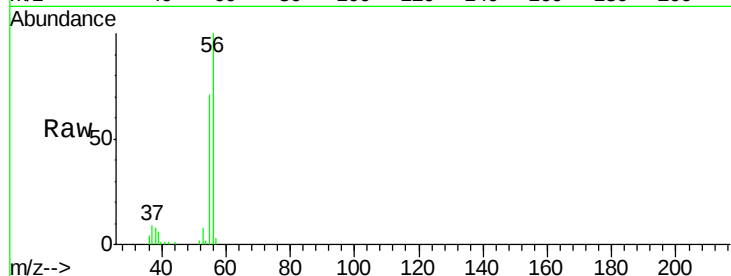
55 70.7 57.0 85.6

Manual Integrations

APPROVED

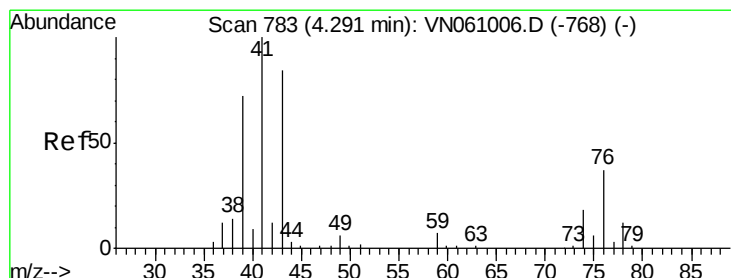
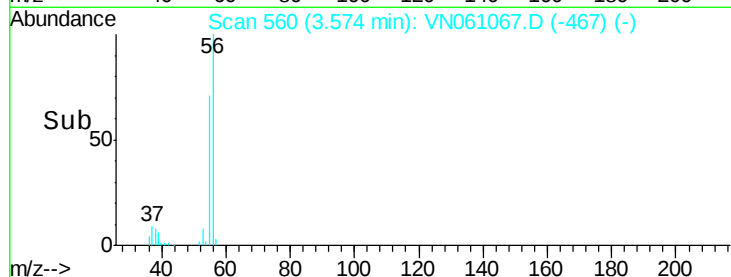
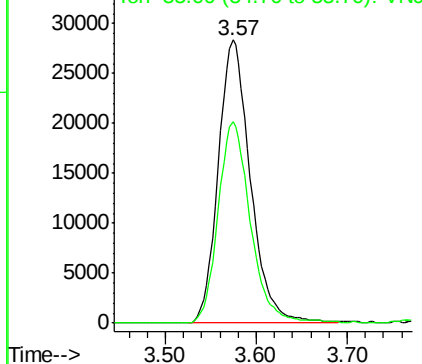
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.068 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

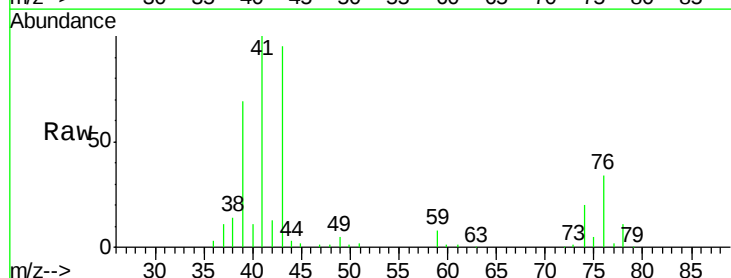
Tgt Ion: 41 Resp: 155362

Ion Ratio Lower Upper

41 100

39 71.3 56.3 84.5

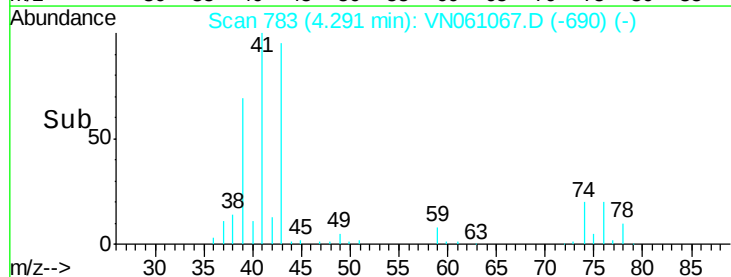
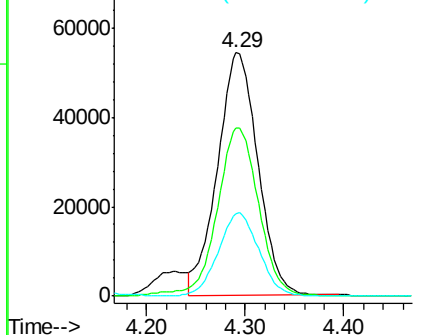
76 34.3 27.7 41.5

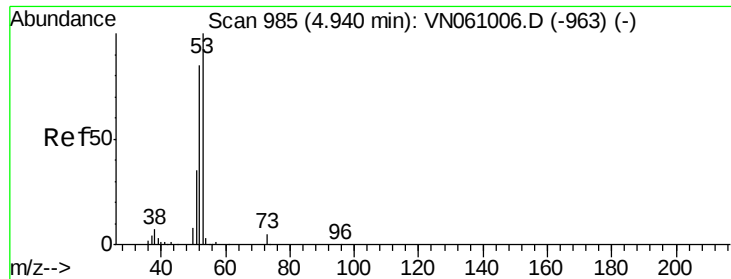


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 286.286 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

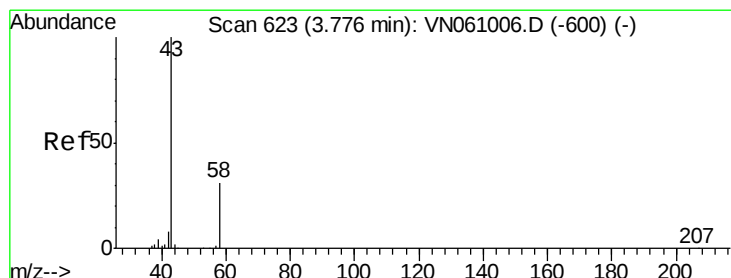
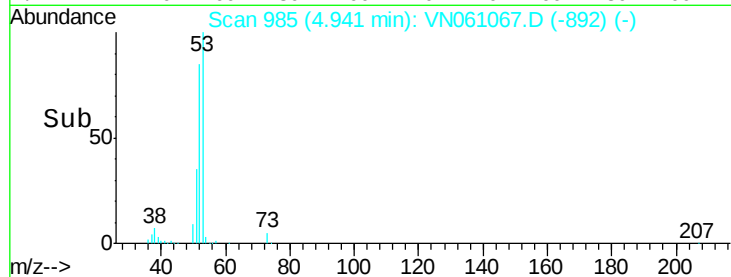
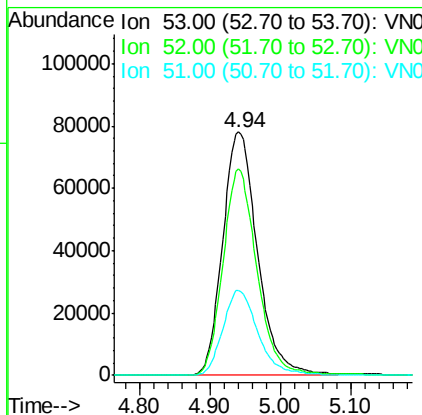
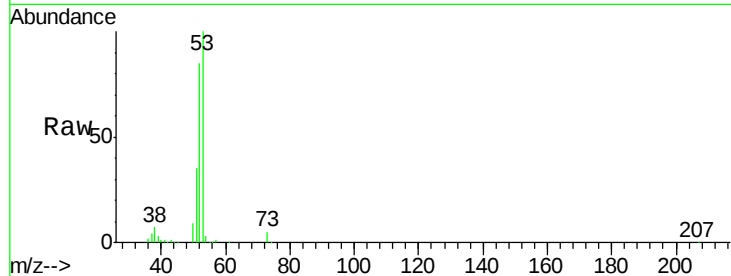
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	269458
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.8	100.2
51	35.2	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 251.881 ug/l

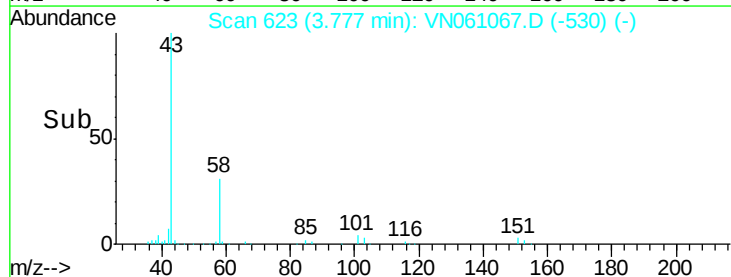
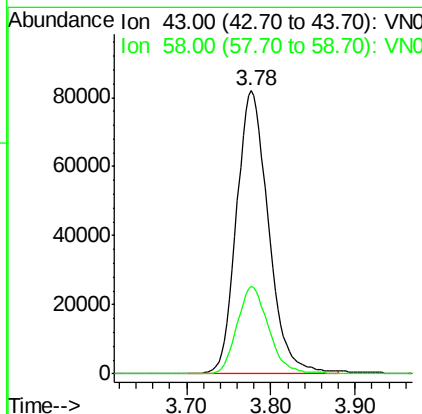
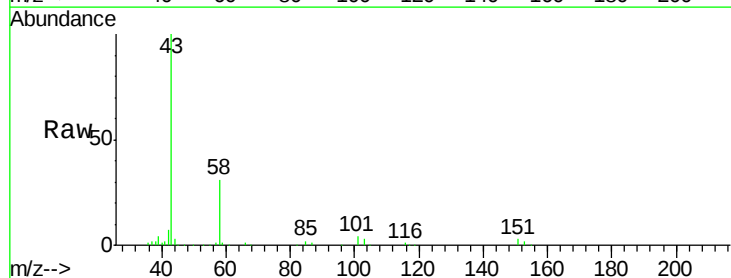
RT: 3.78 min Scan# 623

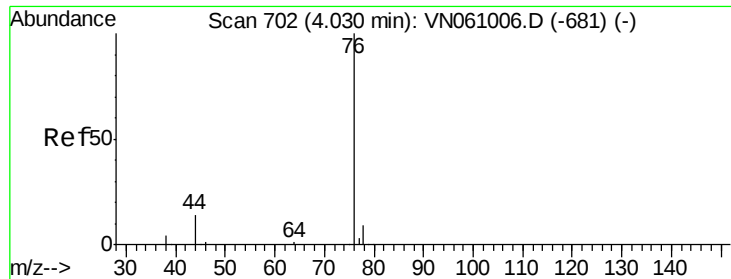
Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Tgt Ion:	43	Resp:	216910
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.6	37.0





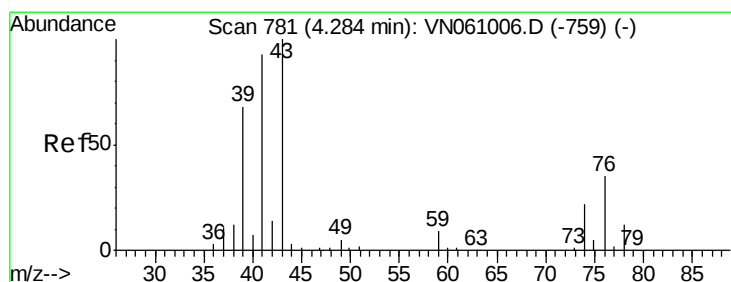
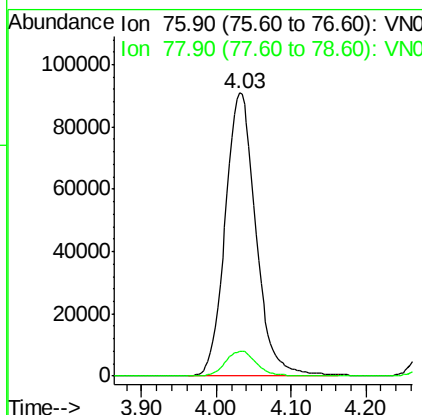
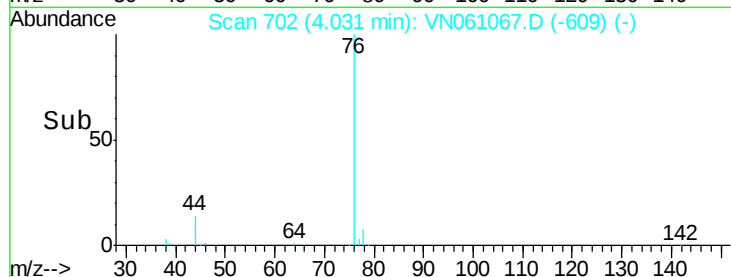
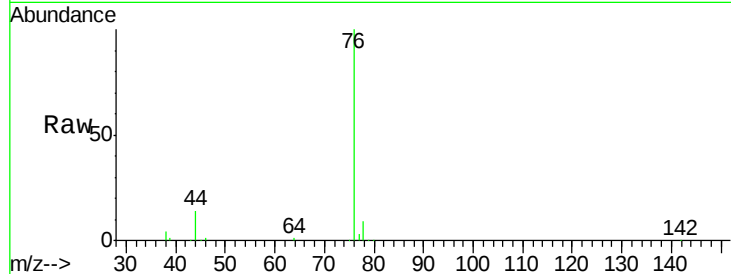
#17
Carbon Disulfide
Concen: 49.322 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	76	Resp	258269
Ion Ratio	Lower	Upper	
76	100		
78	8.7	7.6	11.4

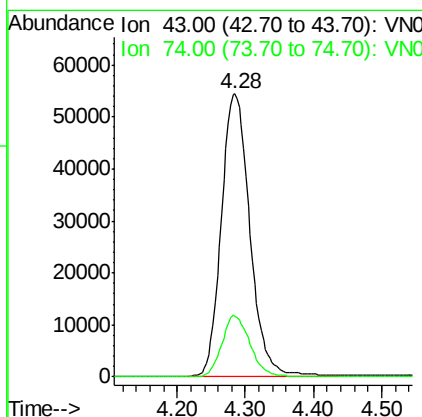
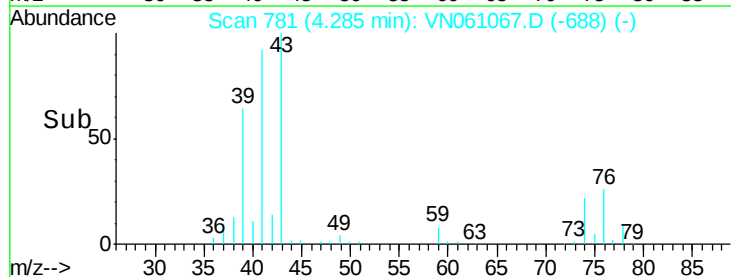
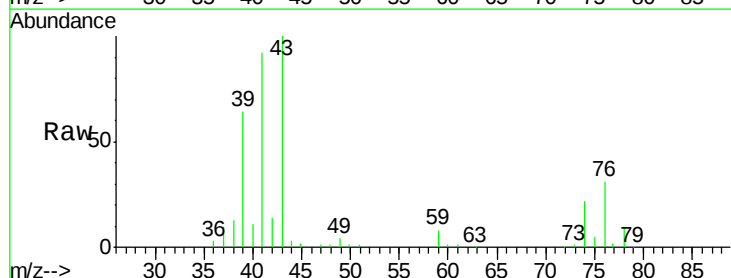
Manual Integrations
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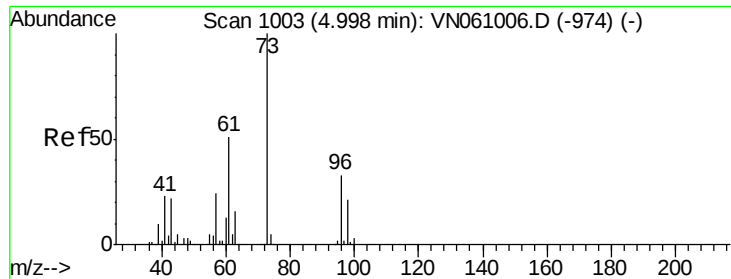
MMDadoda
4/20/2020 10:21:17 AM



#18
Methyl Acetate
Concen: 59.059 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	43	Resp	159484
Ion Ratio	Lower	Upper	
43	100		
74	21.2	17.4	26.0





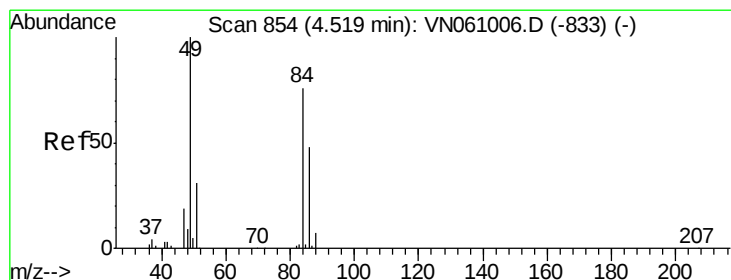
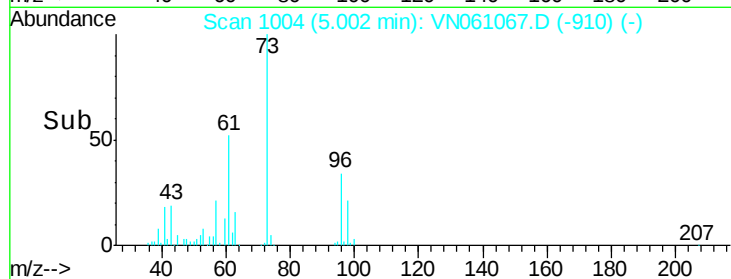
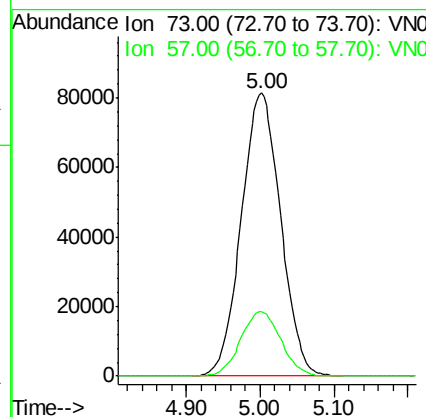
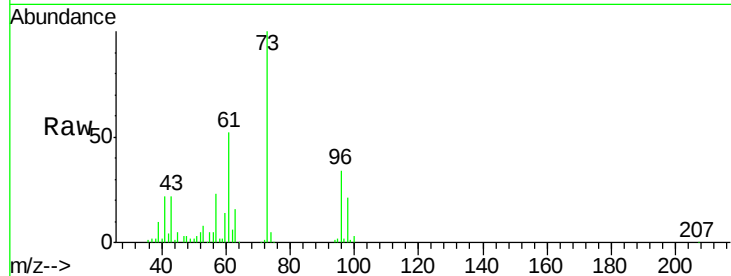
#19
Methvl tert-butvl Ether
Concen: 51.830 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 302428
Ion Ratio Lower Upper
73 100
57 22.8 19.0 28.4

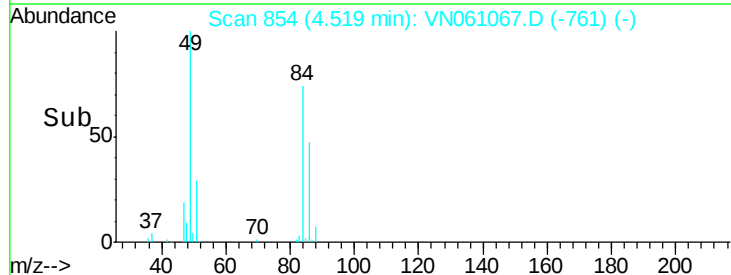
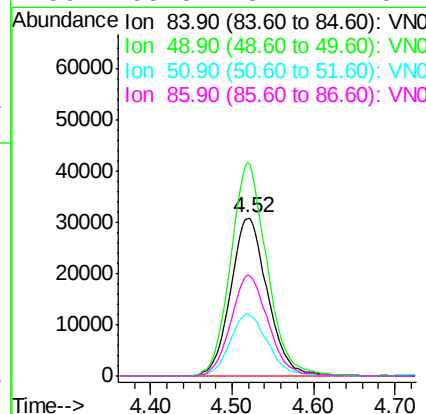
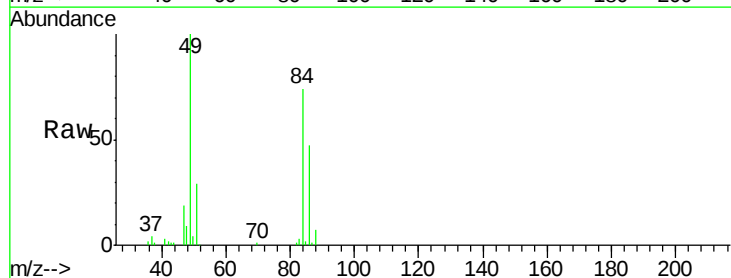
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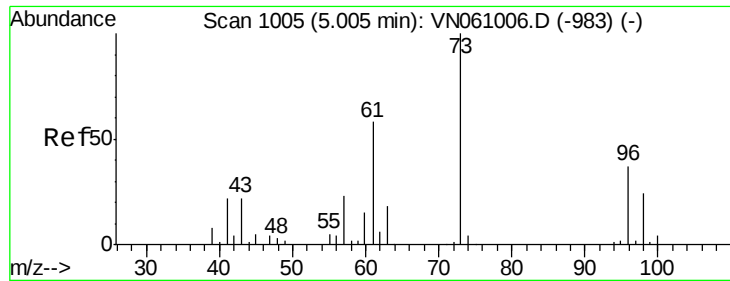
MMDadoda
4/20/2020 10:21:17 AM



#20
Methylene Chloride
Concen: 51.745 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion: 84 Resp: 97291
Ion Ratio Lower Upper
84 100
49 135.4 105.8 158.6
51 39.4 32.4 48.6
86 63.8 51.1 76.7





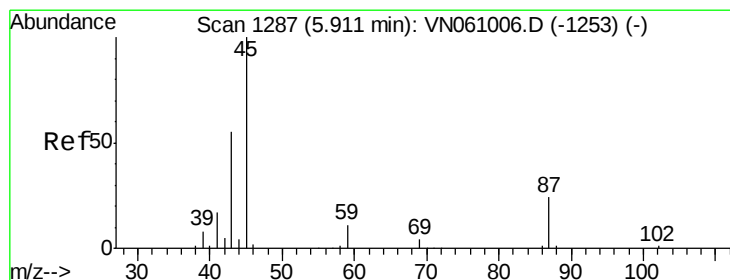
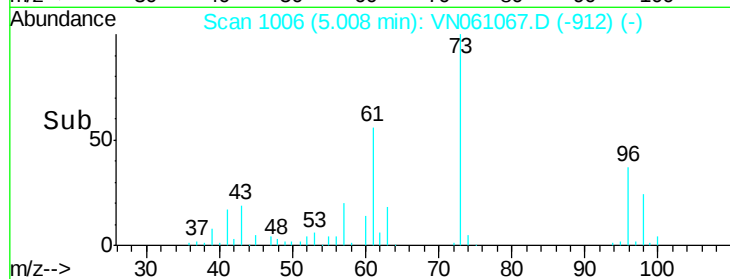
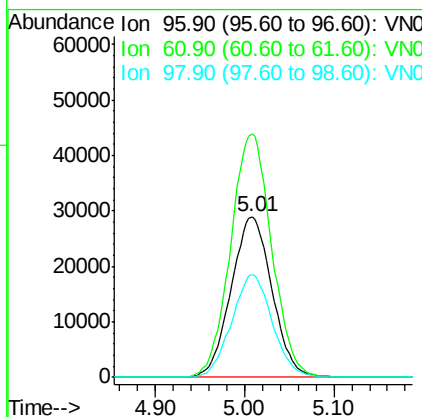
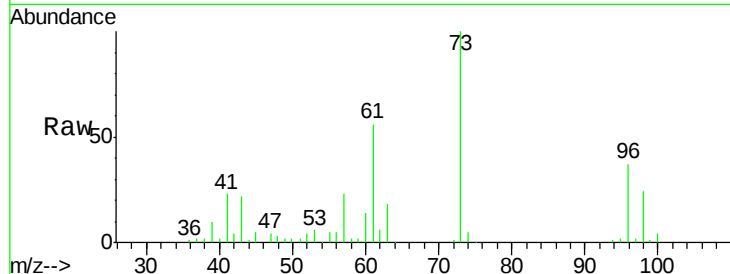
#21
trans-1,2-Dichloroethene
Concen: 51.508 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	124.8	187.2
98	64.5	51.3	76.9

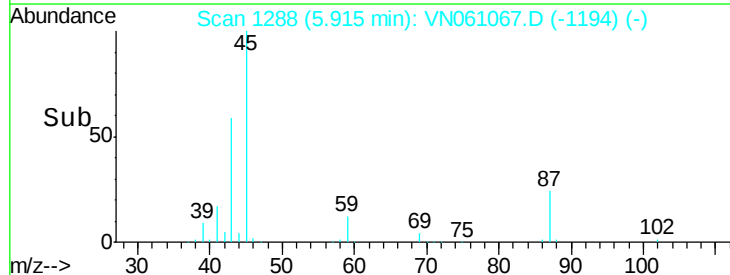
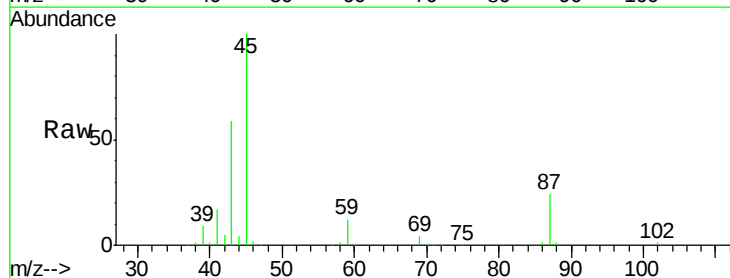
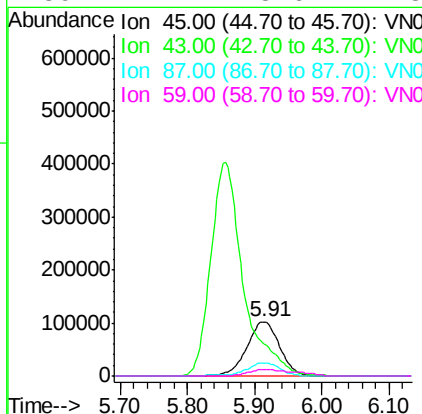
Manual Integrations
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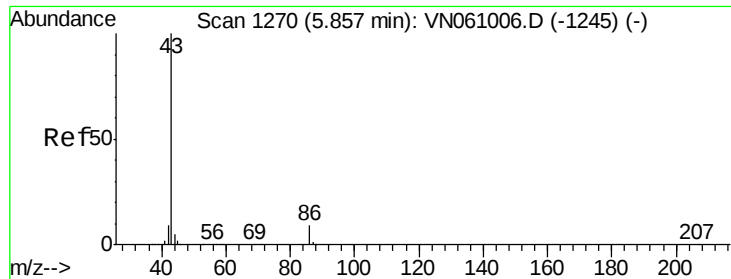
MMDadoda
4/20/2020 10:21:17 AM



#22
Diisopropyl ether
Concen: 52.745 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	48.6	72.8
87	24.3	19.4	29.2
59	11.4	8.6	12.8





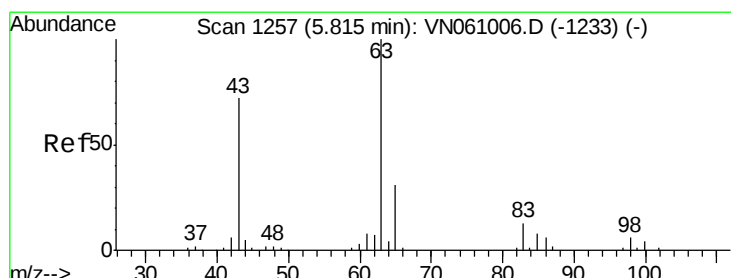
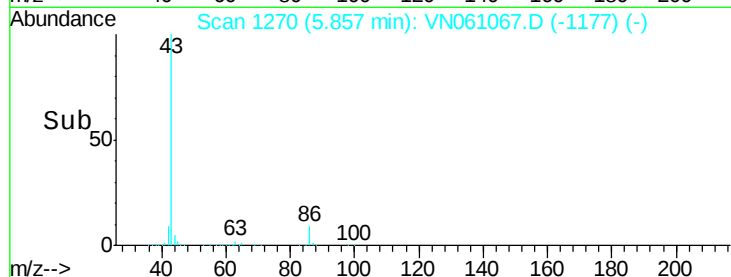
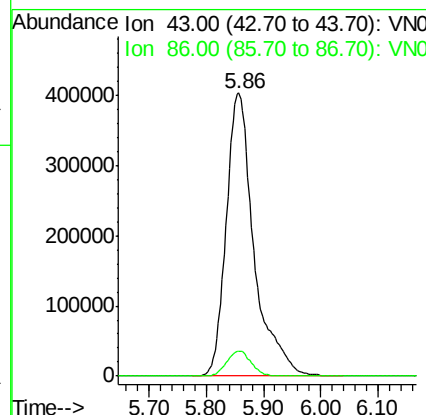
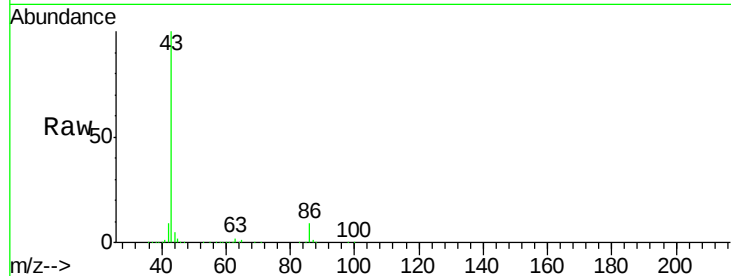
#23
 Vinyl Acetate
 Concen: 263.787 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1360272
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.3 10.9

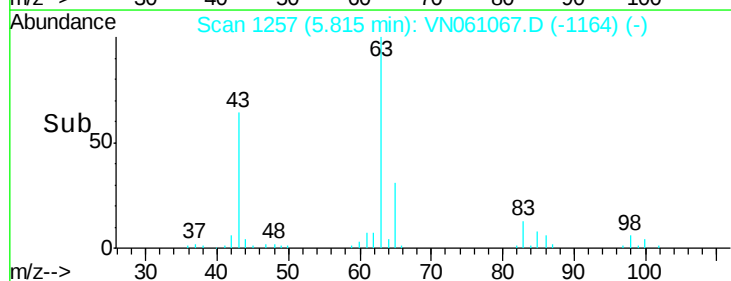
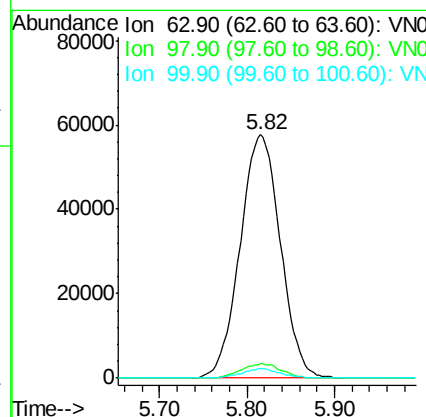
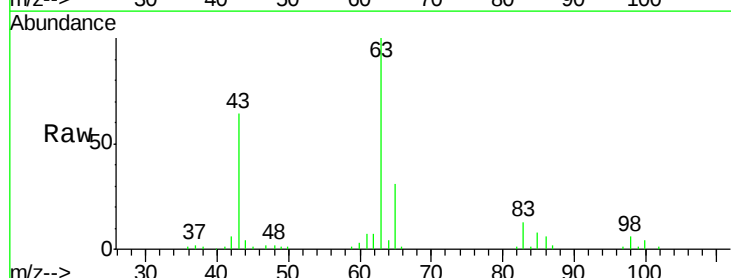
Manual Integrations
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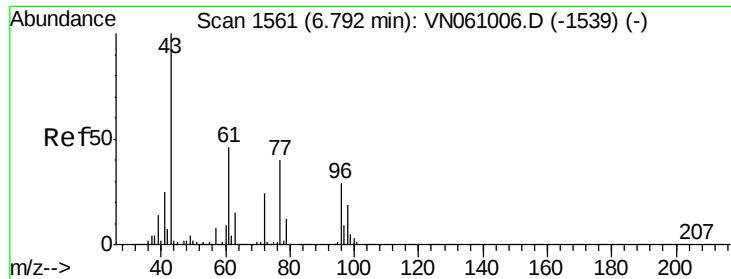
MMDadoda
 4/20/2020 10:21:17 AM



#24
 1,1-Dichloroethane
 Concen: 51.860 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion: 63 Resp: 184190
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.8
 100 4.0 2.0 5.8





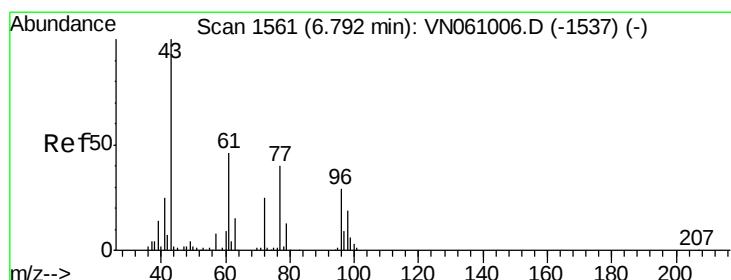
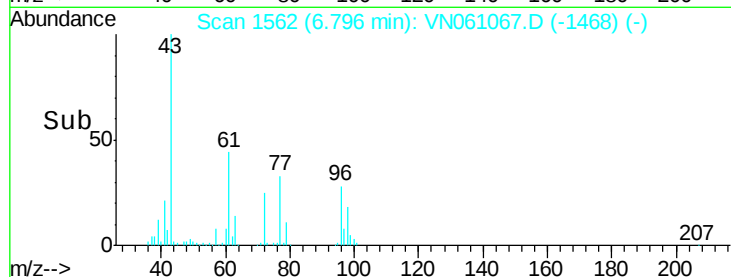
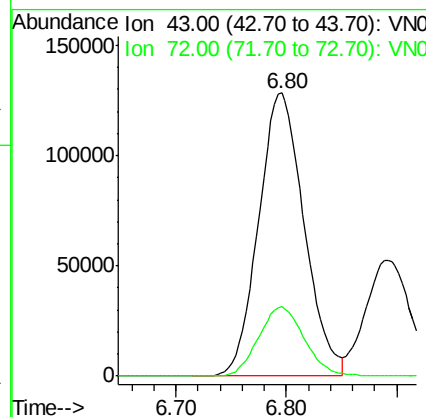
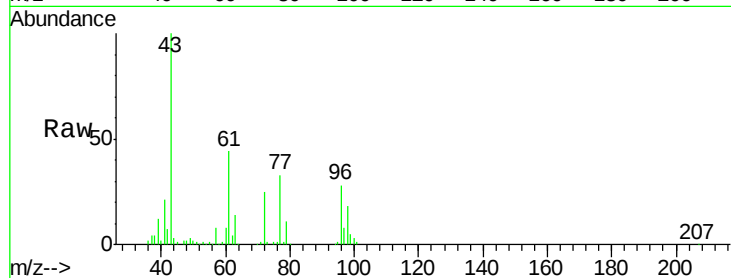
#25
2-Butanone
Concen: 278.009 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.6	29.4

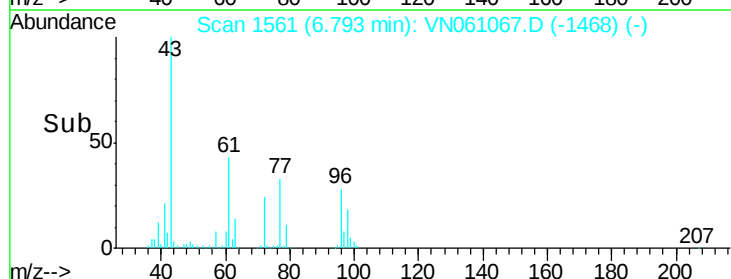
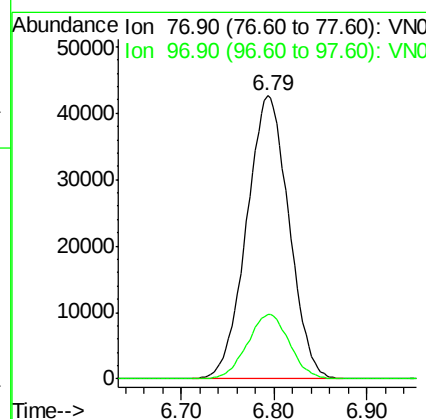
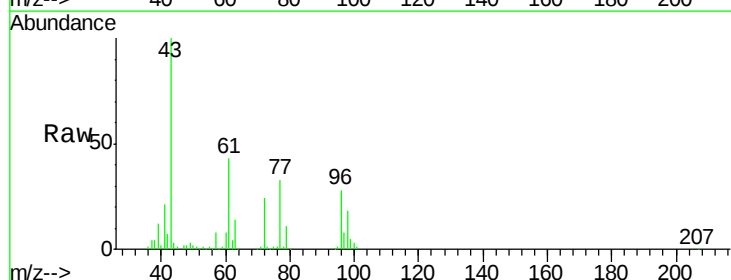
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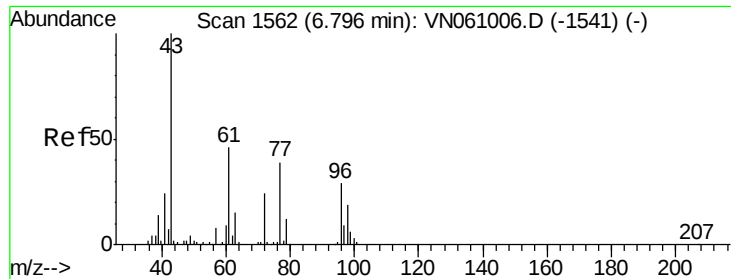
MMDadoda
4/20/2020 10:21:17 AM



#26
2,2-Dichloropropane
Concen: 45.701 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.2	33.6





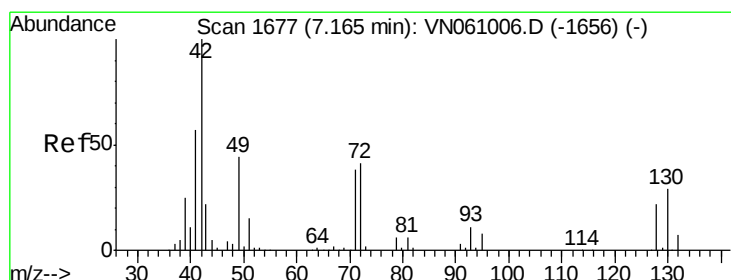
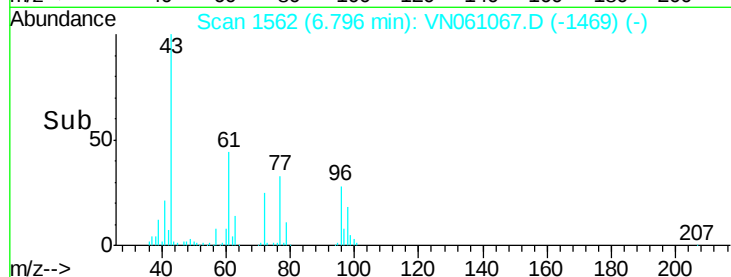
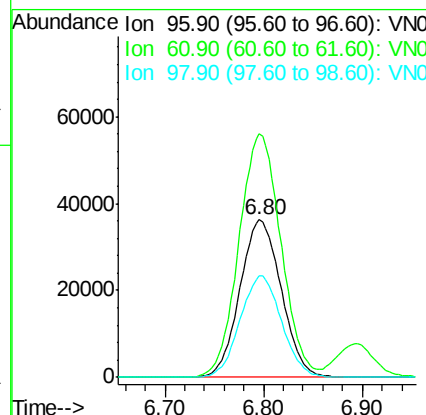
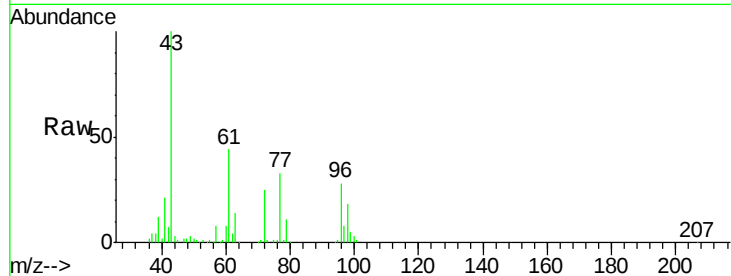
#27
 cis-1,2-Dichloroethene
 Concen: 51.327 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.5	0.0	317.4	
98	64.4	0.0	127.8	

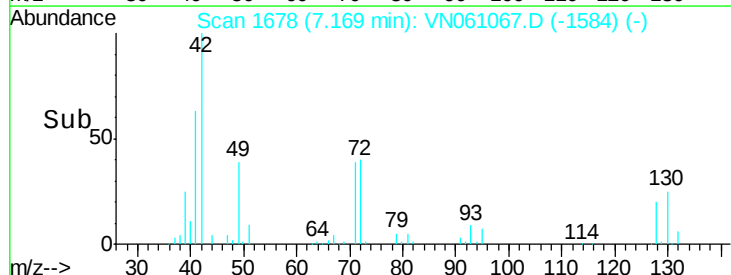
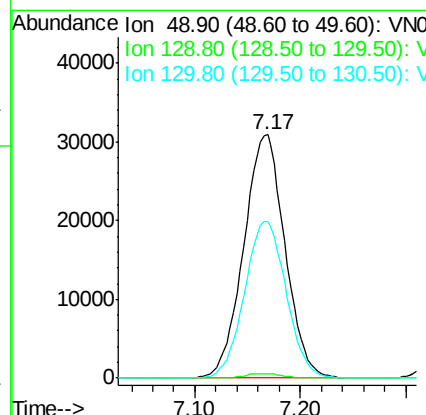
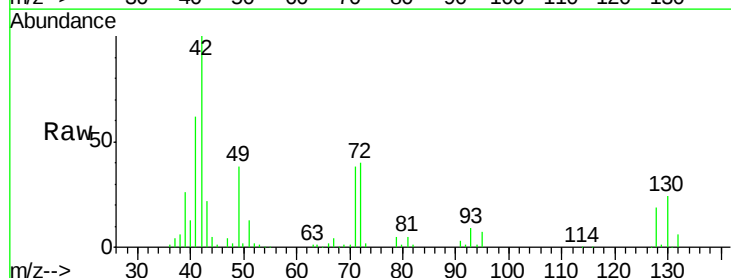
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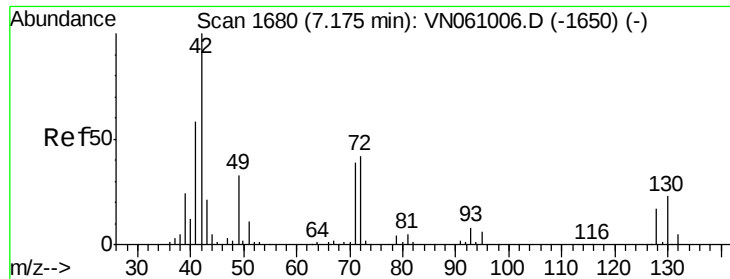
MMDadoda
 4/20/2020 10:21:17 AM



#28
 Bromochloromethane
 Concen: 51.560 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.0	
130	64.8	52.9	79.3	





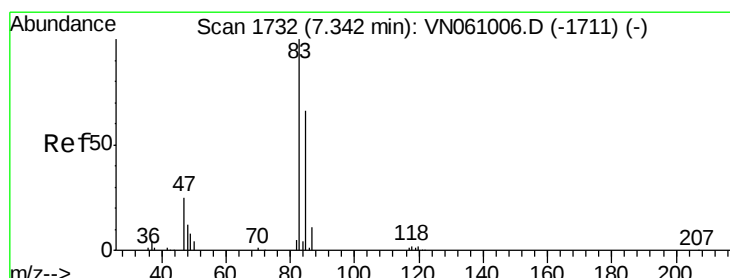
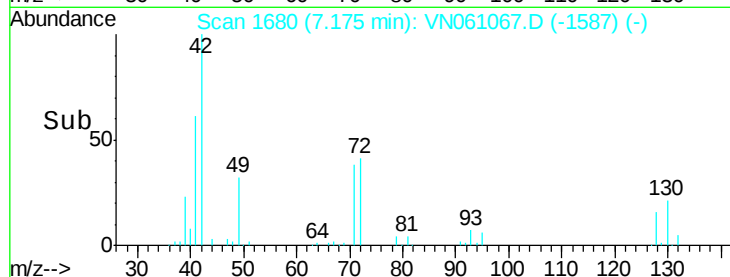
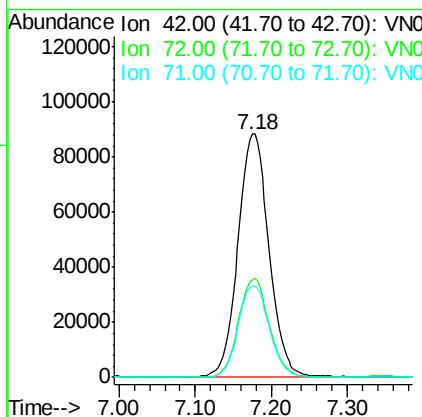
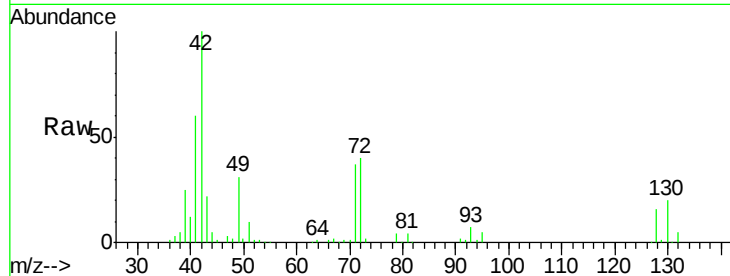
#29
Tetrahydrofuran
Concen: 280.344 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	251152		
72	40.1		32.1	48.1
71	37.8		30.5	45.7

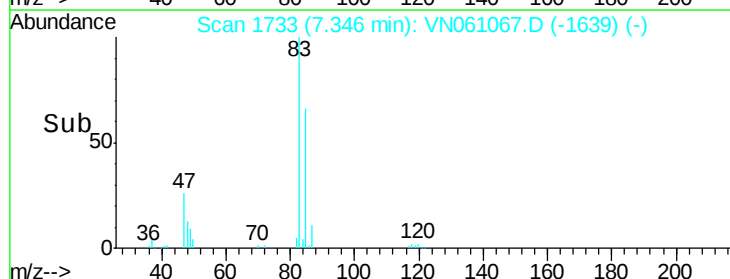
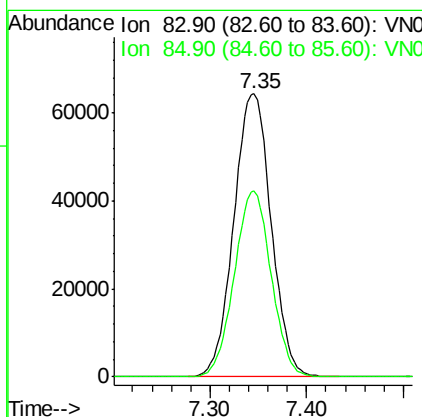
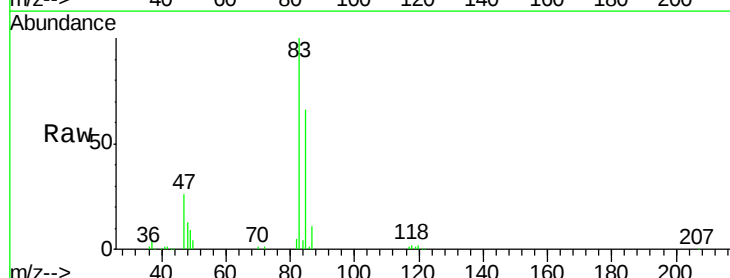
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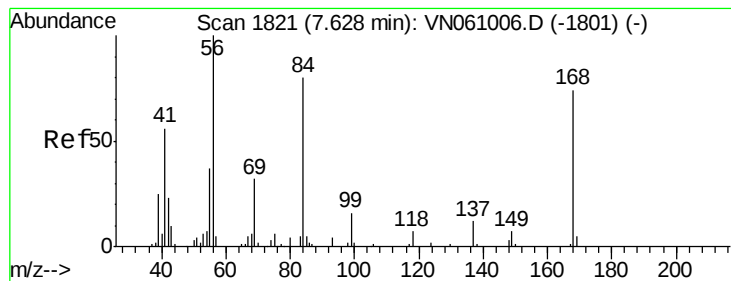
MMDadoda
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#30
Chloroform
Concen: 52.088 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	172554		
85	65.6		52.8	79.2





#31

Cyclohexane

Concen: 48.013 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 174987

Ion Ratio Lower Upper

56 100

69 31.7 25.6 38.4

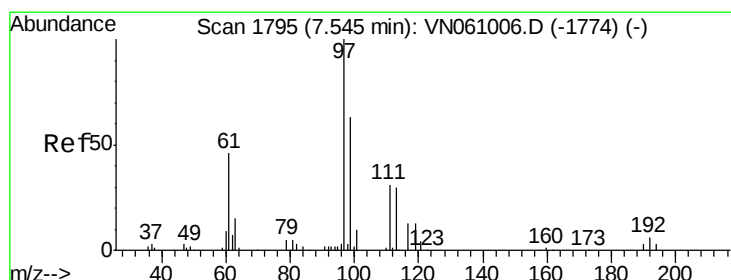
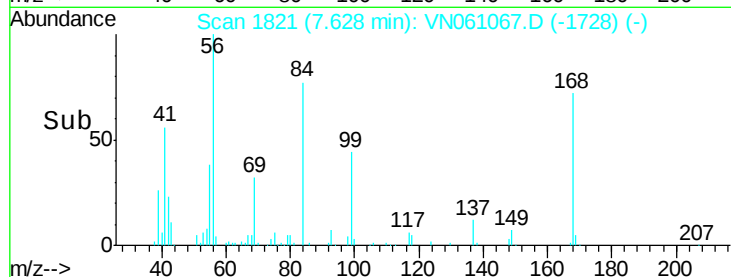
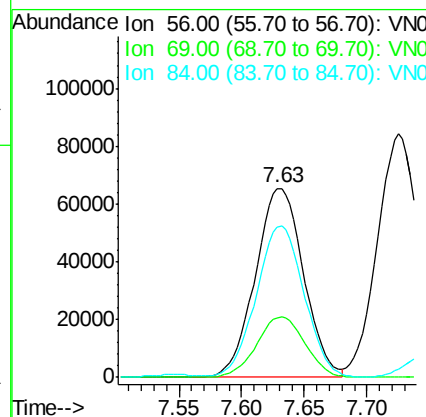
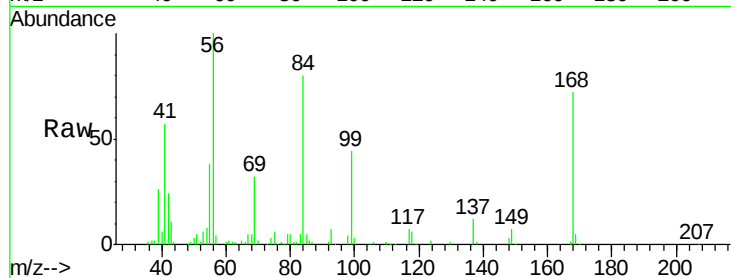
84 78.9 63.4 95.2

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#32

1,1,1-Trichloroethane

Concen: 52.115 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

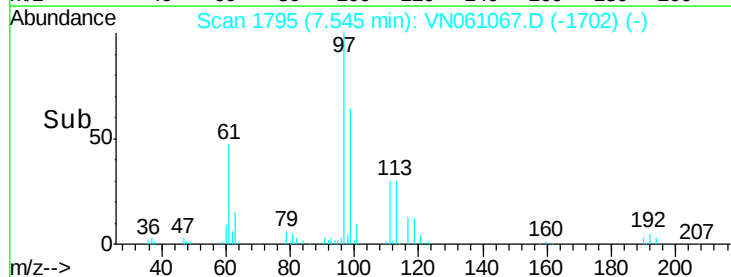
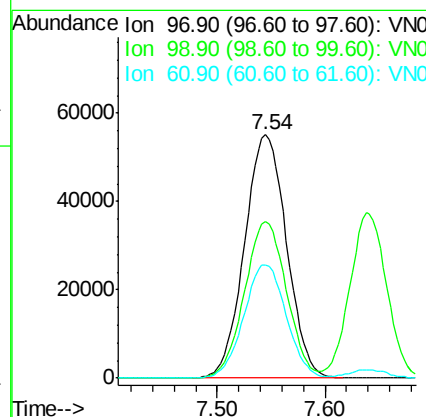
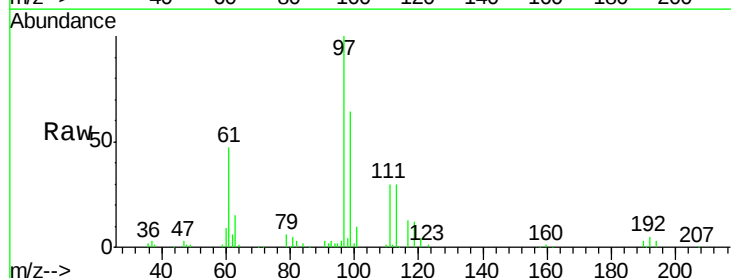
Tgt Ion: 97 Resp: 149331

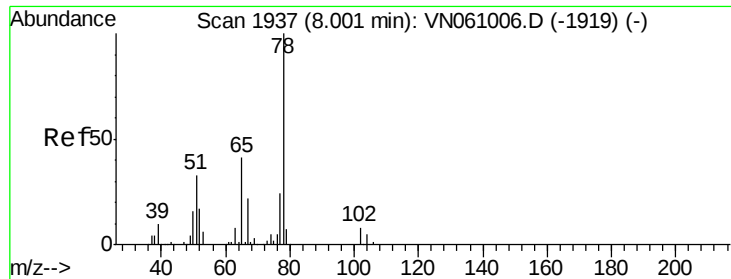
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 47.0 37.0 55.6





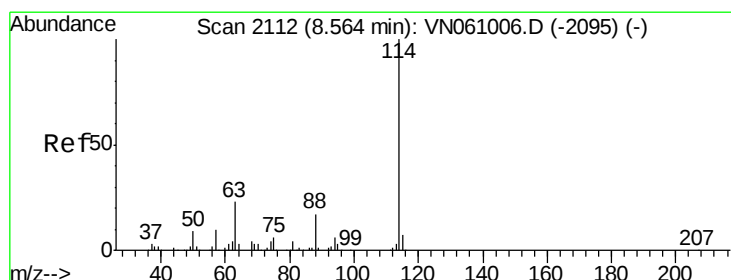
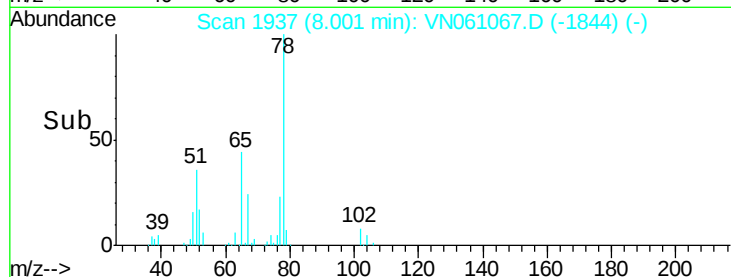
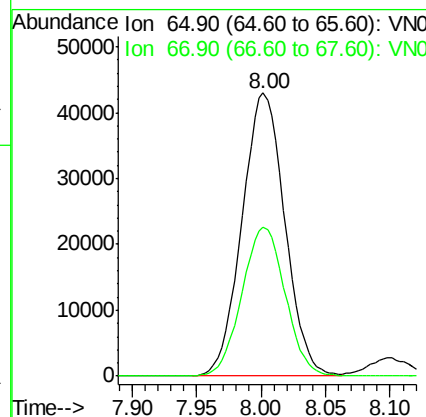
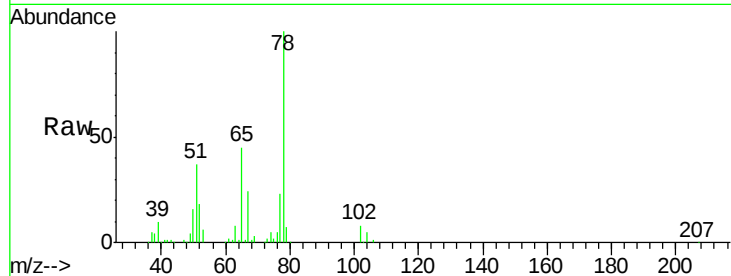
#33
 1,2-Dichloroethane-d4
 Concen: 50.960 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.0

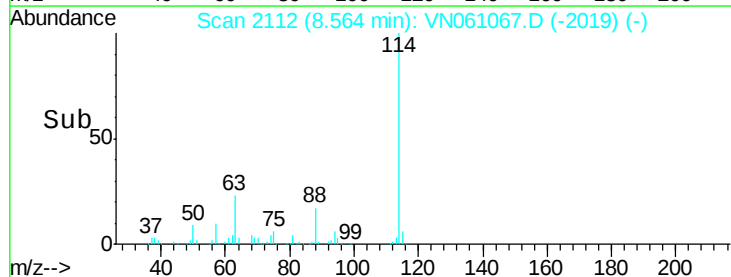
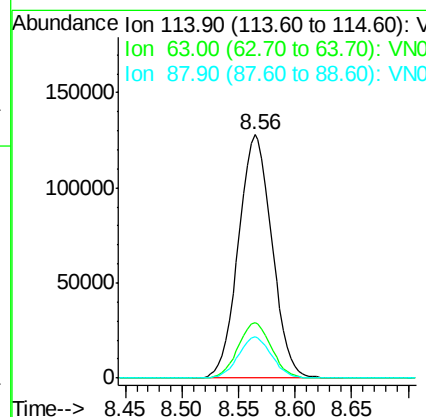
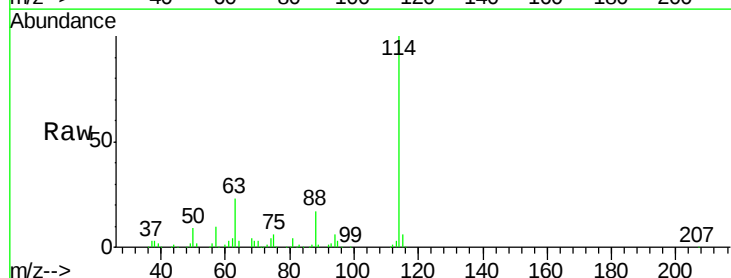
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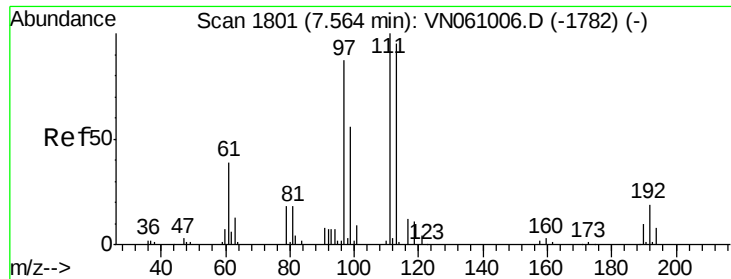
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	46.2
88	16.8	0.0	33.4





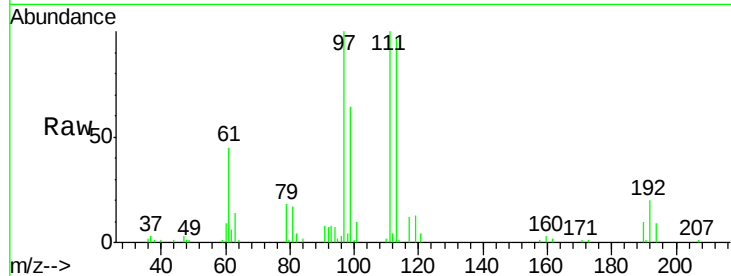
#35
 Dibromofluoromethane
 Concen: 50.566 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

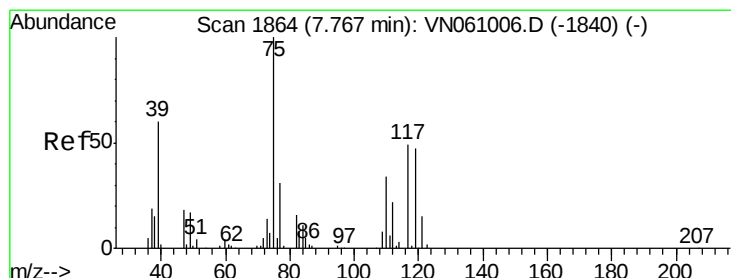
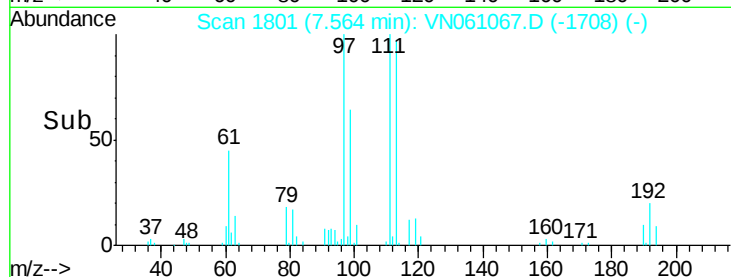
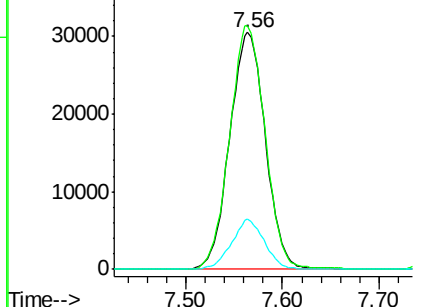
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.4	125.2
192	19.5	15.5	23.3

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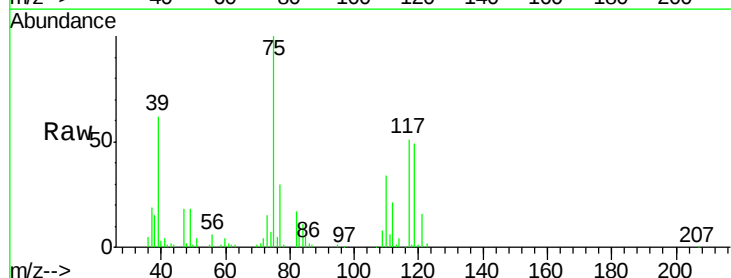


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

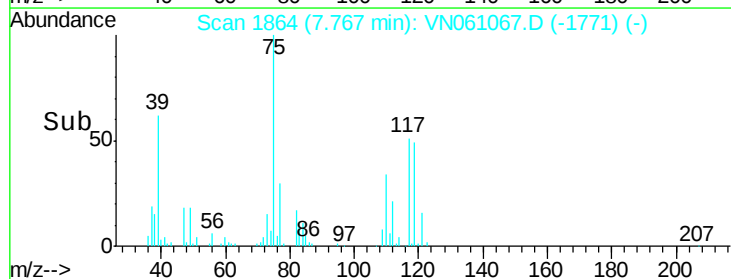
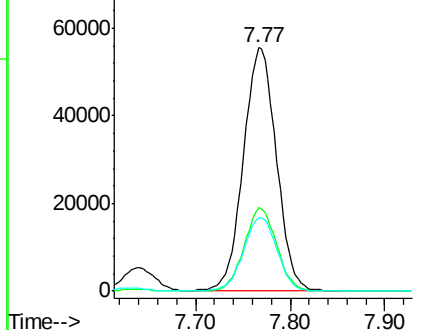


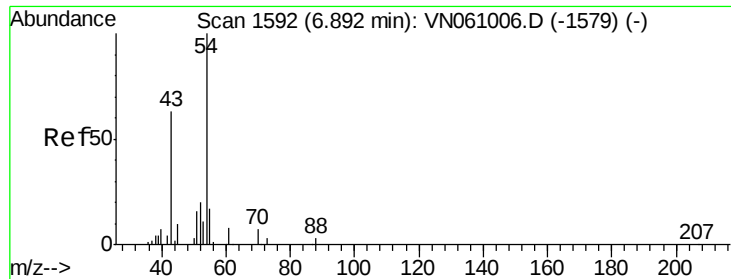
#36
 1,1-Dichloropropene
 Concen: 49.481 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.8	50.3
77	30.7	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





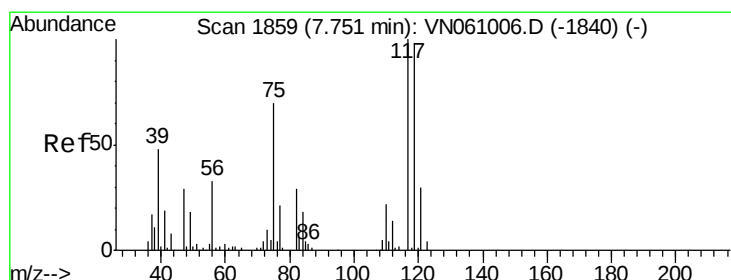
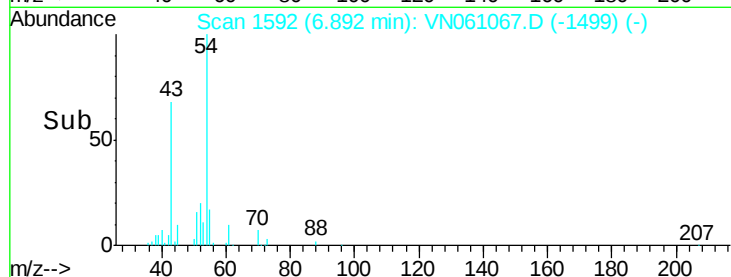
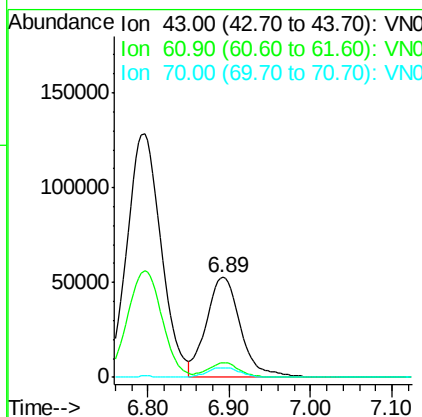
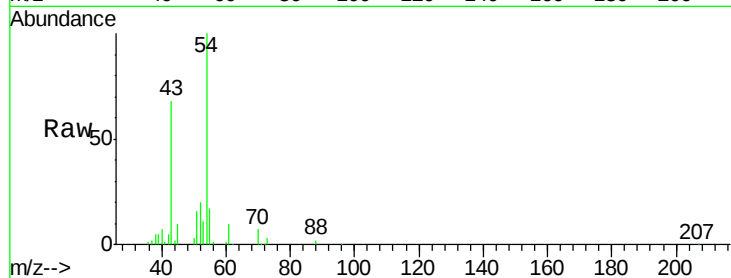
#37
Ethyl Acetate
Concen: 52.209 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.5	7.7	11.5

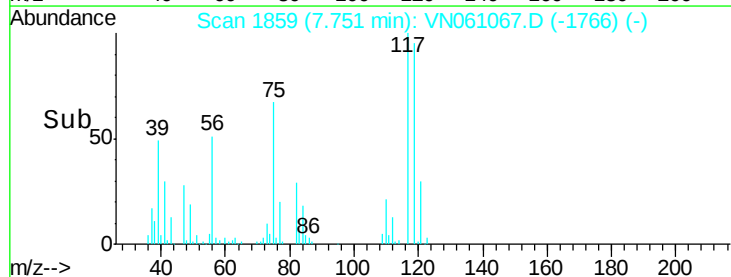
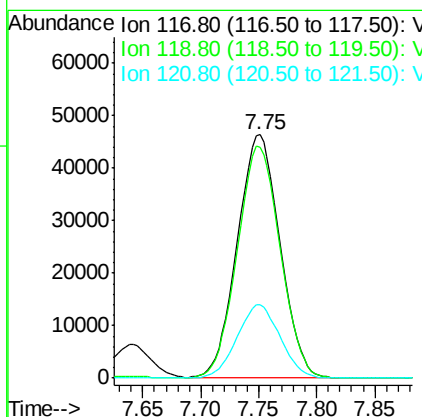
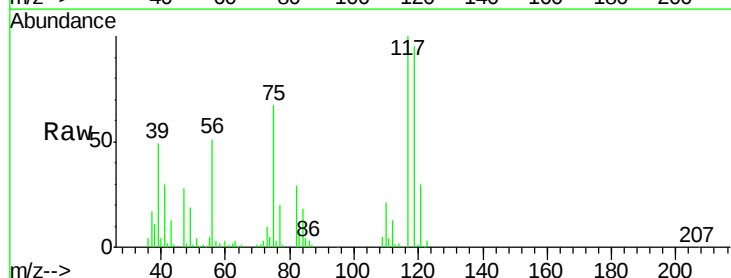
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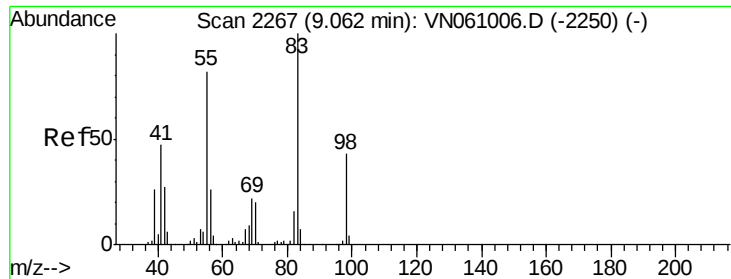
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#38
Carbon Tetrachloride
Concen: 52.439 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.1	117.1
121	30.1	24.0	36.0





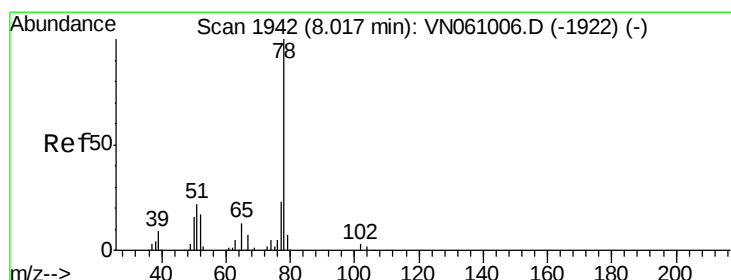
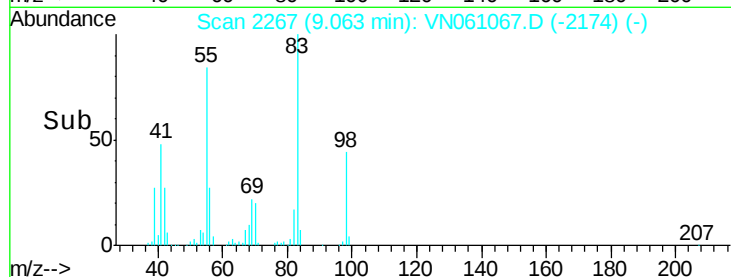
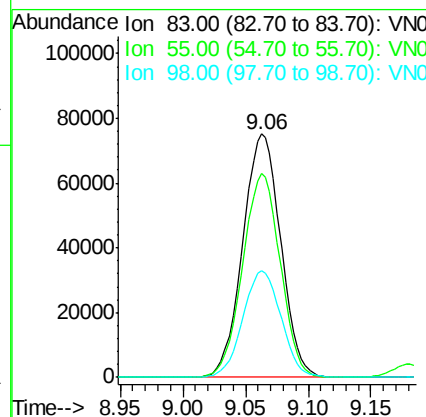
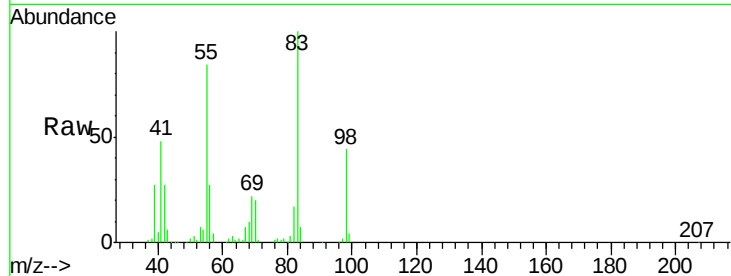
#39
Methvlcvclohexane
Concen: 48.554 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	65.4	98.0
98	43.9	34.6	51.8

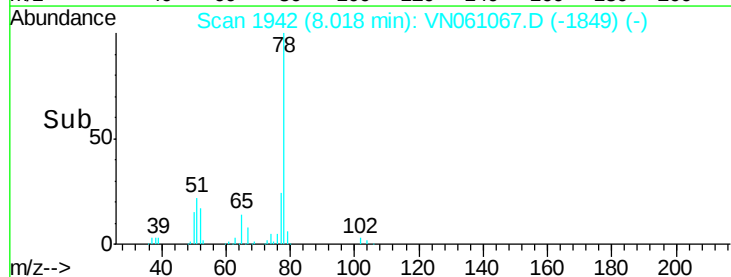
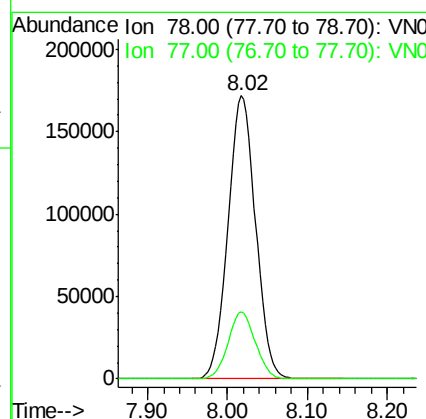
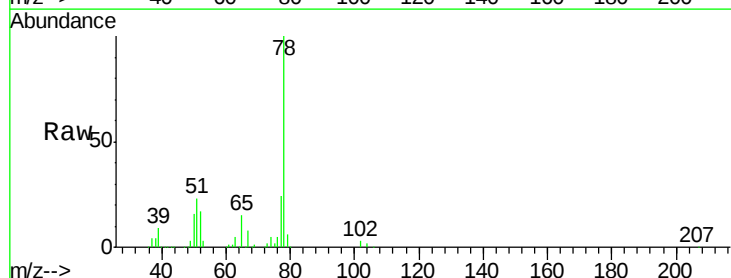
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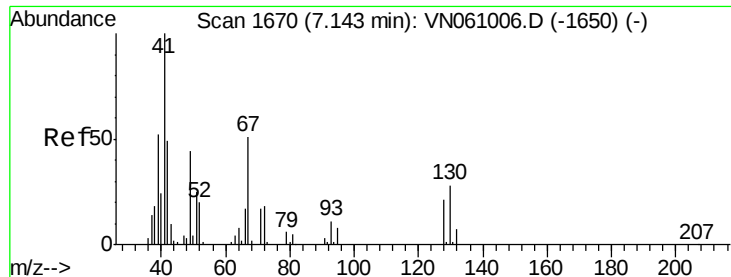
MMDadoda
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#40
Benzene
Concen: 50.036 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





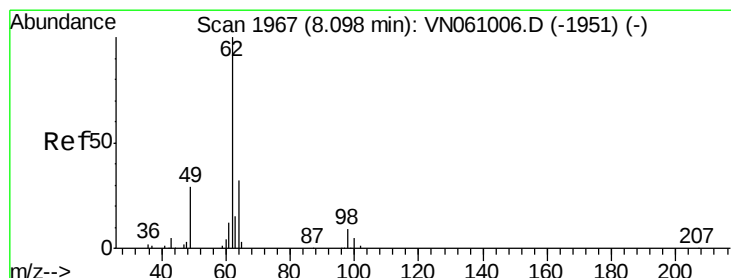
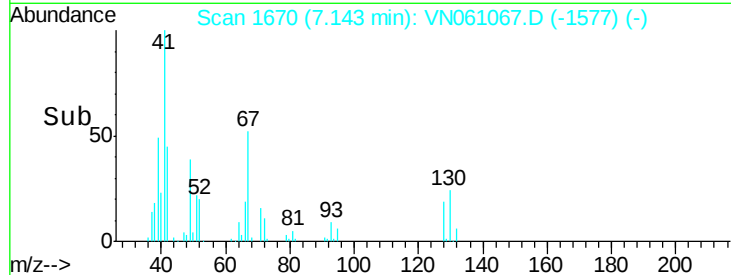
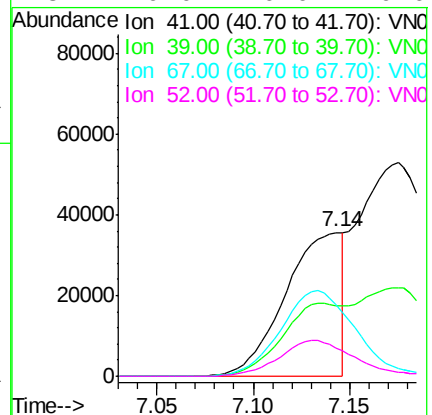
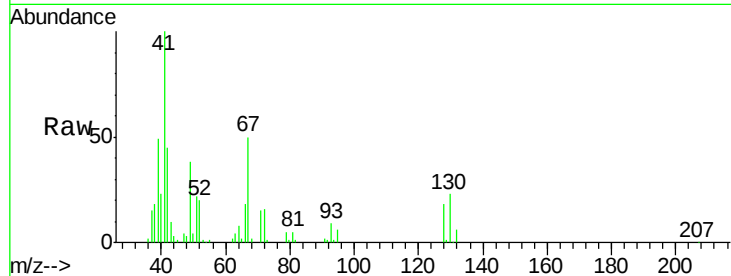
#41
Methacrylonitrile
Concen: 59.632 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	73613
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

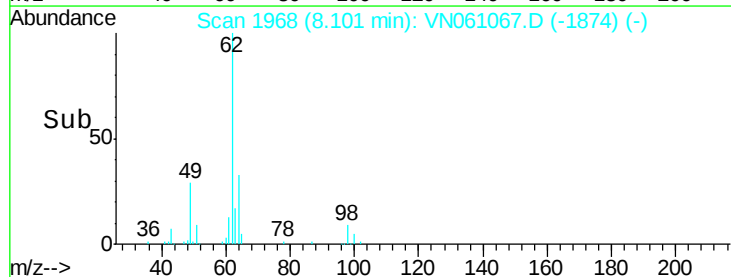
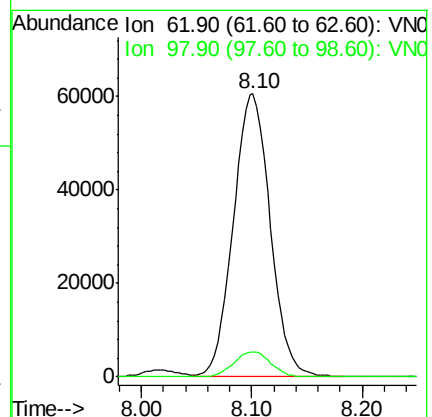
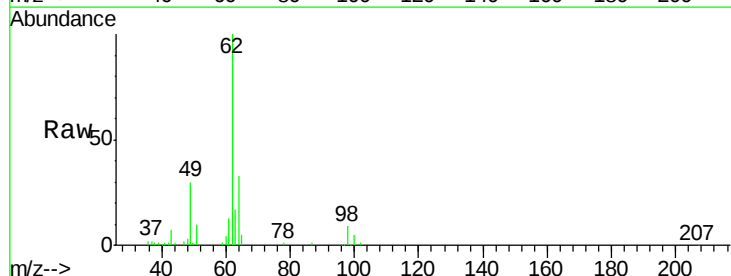
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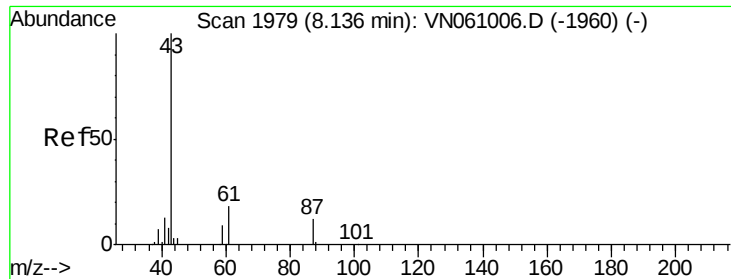
MMDadoda
4/20/2020 10:21:17 AM



#42
1,2-Dichloroethane
Concen: 51.029 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	62	Resp	140563
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	17.2





#43

Isopropyl Acetate

Concen: 52.755 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

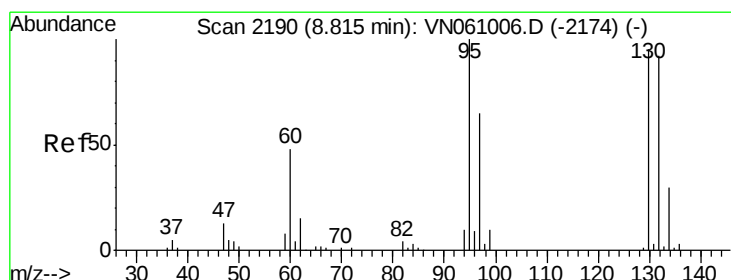
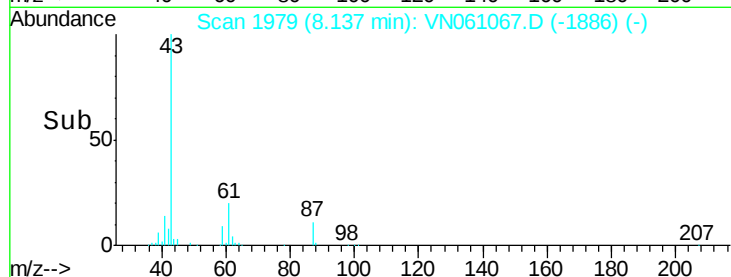
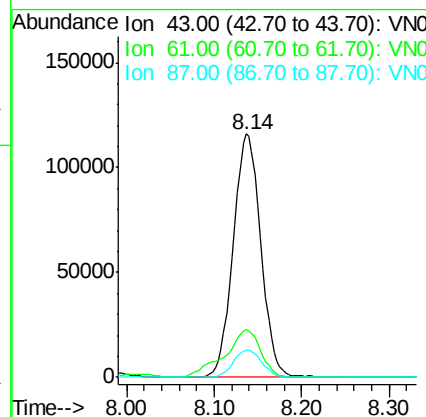
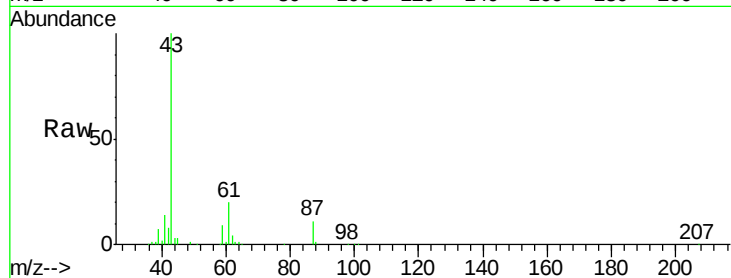
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	253936
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.3	30.5
87	11.5	9.4	14.2

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4/20/2020 10:21:17 AM



#44

Trichloroethene

Concen: 48.661 ug/l

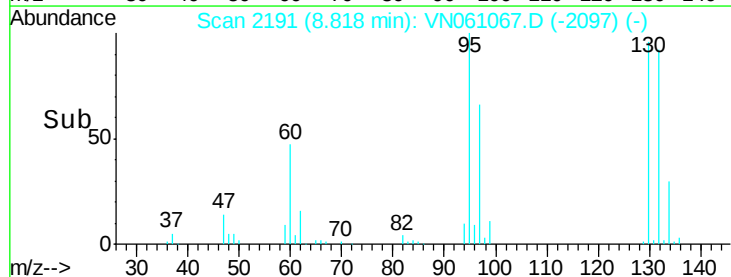
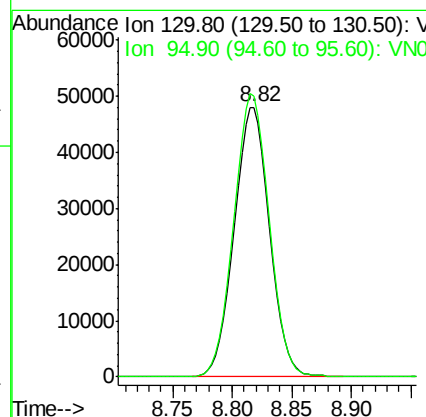
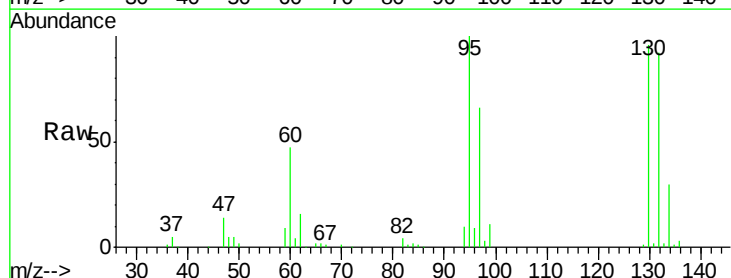
RT: 8.82 min Scan# 2191

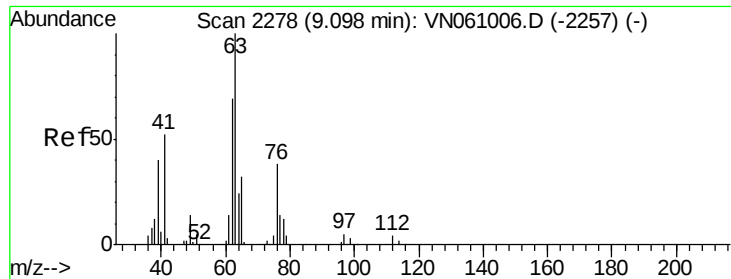
Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Tgt Ion:	130	Resp:	98870
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	210.0





#45

1,2-Dichloropropane

Concen: 51.212 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 111851

Ion Ratio Lower Upper

63 100

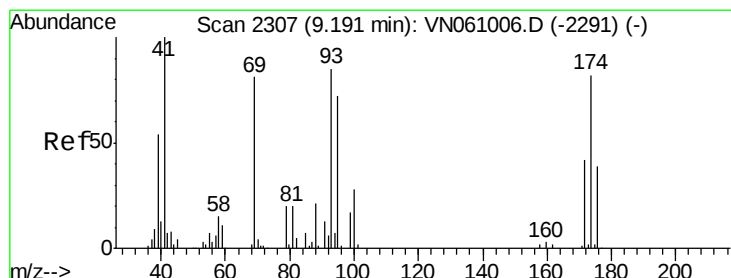
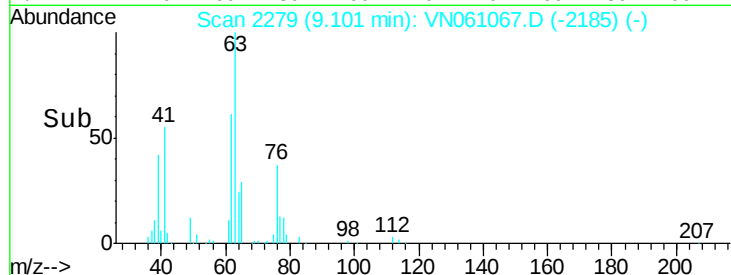
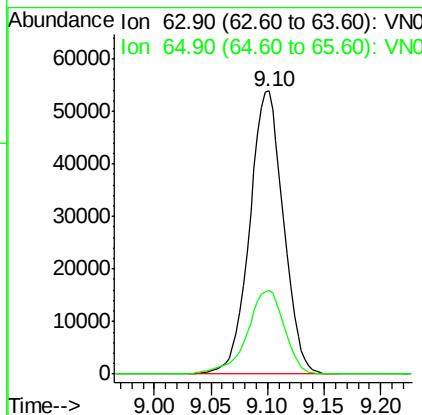
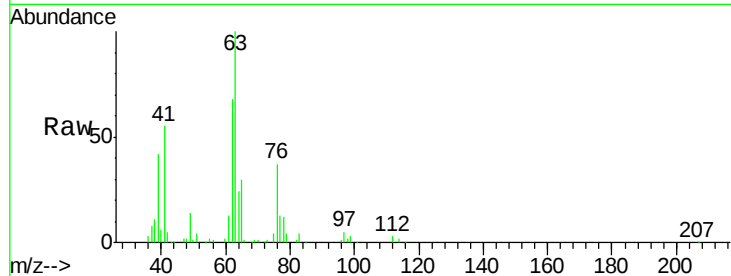
65 29.5 25.2 37.8

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#46

Dibromomethane

Concen: 52.900 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

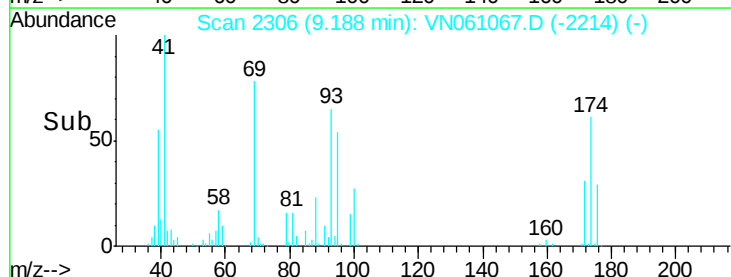
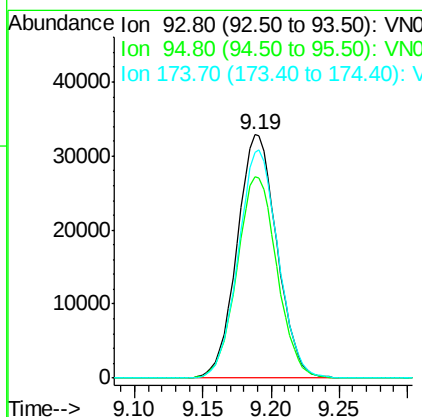
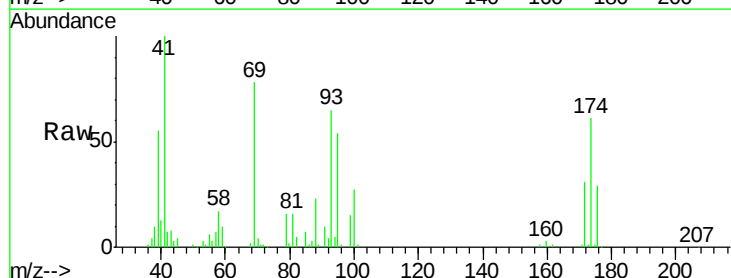
Tgt Ion: 93 Resp: 66615

Ion Ratio Lower Upper

93 100

95 83.0 66.8 100.2

174 93.6 76.2 114.4





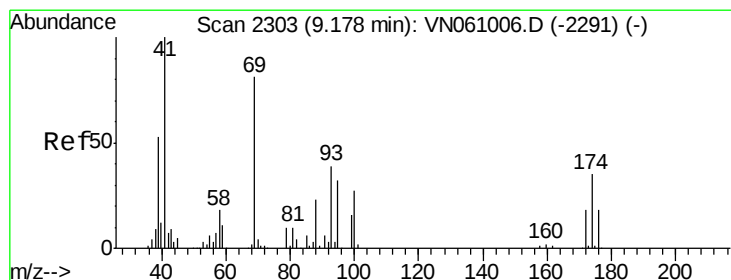
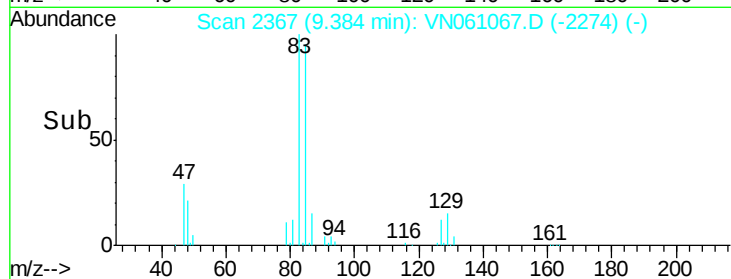
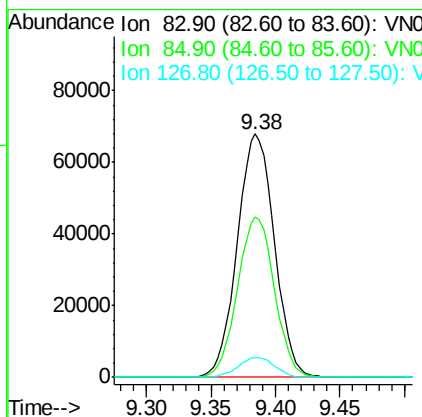
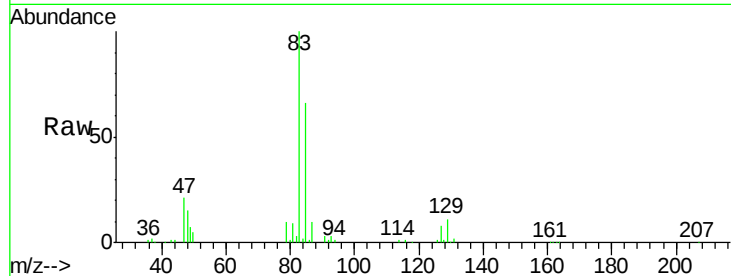
#47
Bromodichloromethane
Concen: 51.230 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	136283
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	50.6	76.0
127	8.1	6.1	9.1

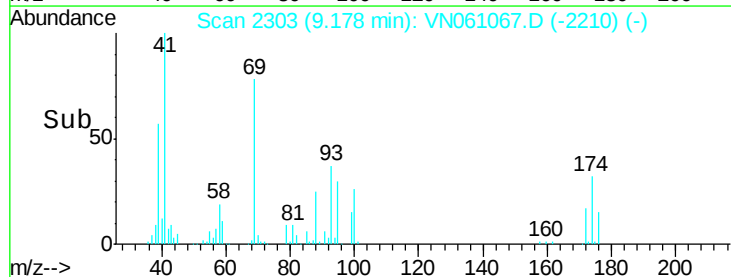
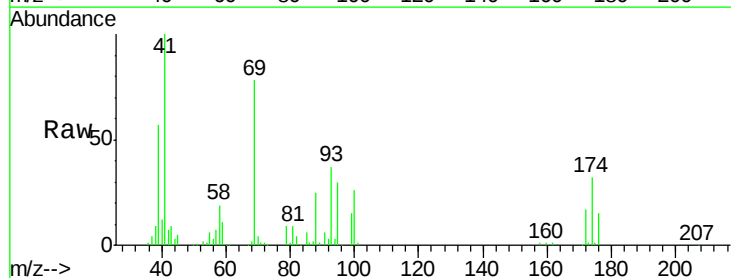
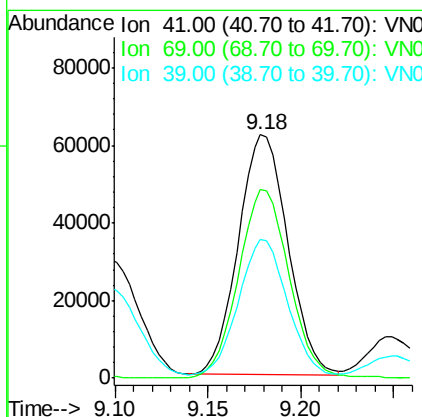
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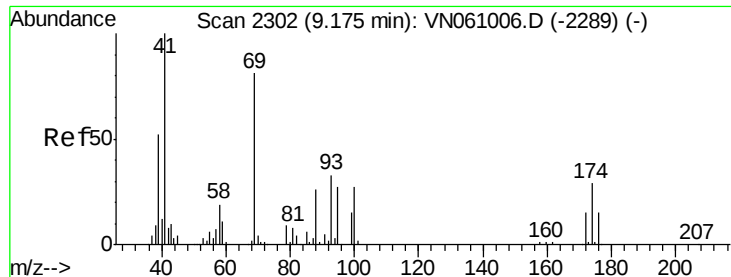
MMDadoda
4/20/2020 10:21:17 AM



#48
Methyl methacrylate
Concen: 54.353 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	41	Resp	115618
Ion Ratio	100	Lower	Upper
41	100		
69	80.3	65.3	97.9
39	55.5	45.2	67.8





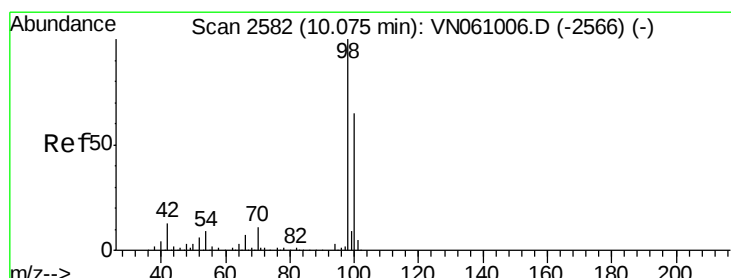
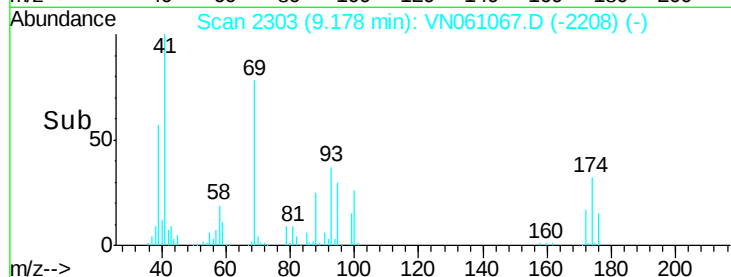
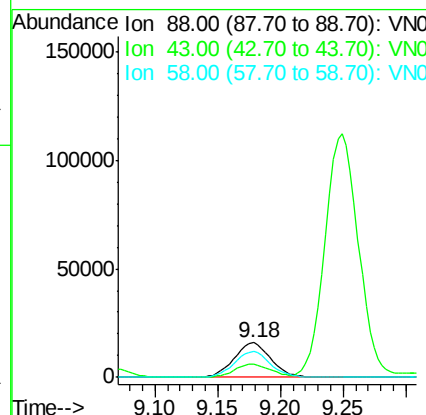
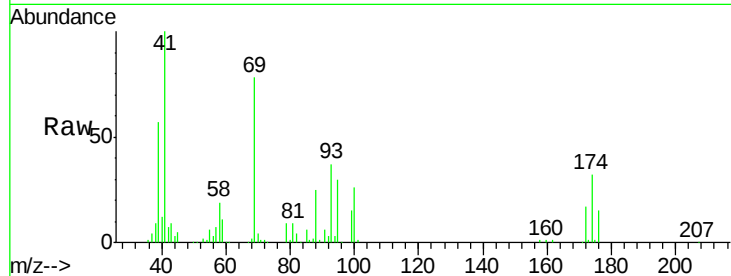
#49
1,4-Dioxane
Concen: 1101.970 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.2		30.9	46.3
58	73.8		59.8	89.8

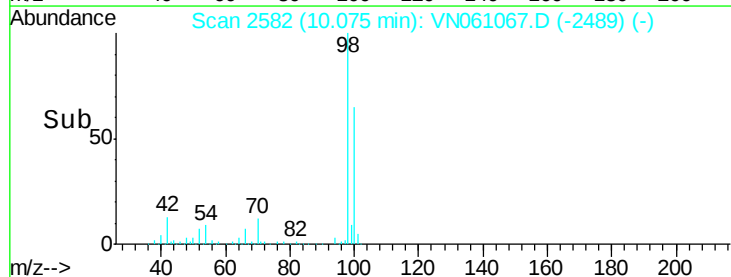
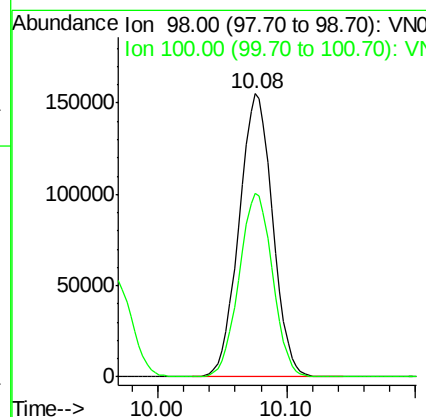
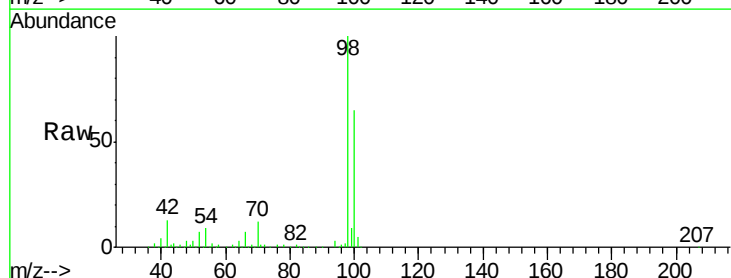
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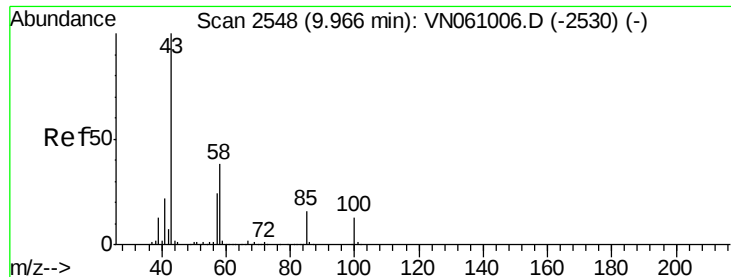
MMDadoda
4/20/2020 10:21:17 AM



#50
Toluene-d8
Concen: 48.140 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7		51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 276.491 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 767210

Ion Ratio Lower Upper

43 100

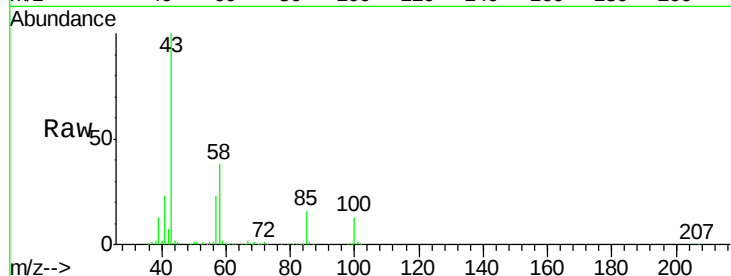
58 37.9 30.3 45.5

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

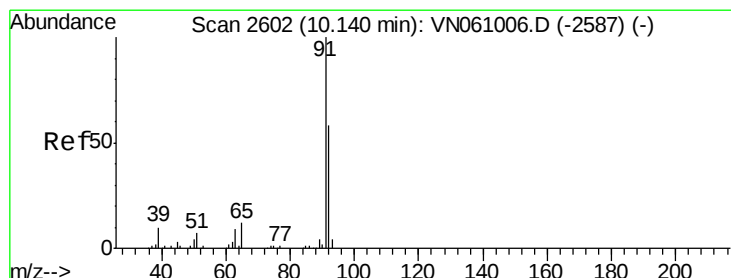
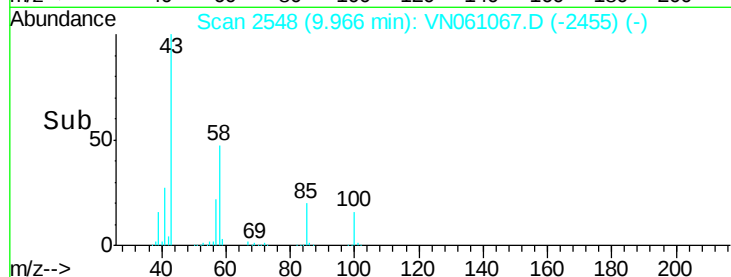
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.054 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061067.D

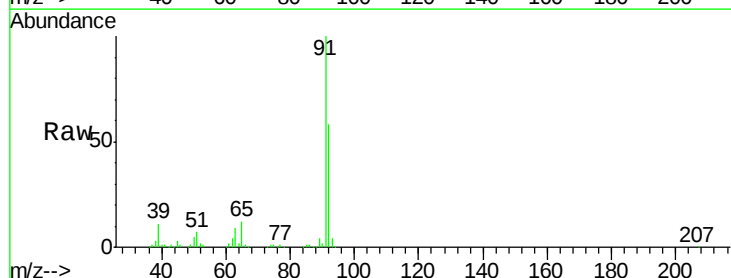
Acq: 17 Apr 2020 21:49

Tgt Ion: 92 Resp: 242812

Ion Ratio Lower Upper

92 100

91 173.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

250000

200000

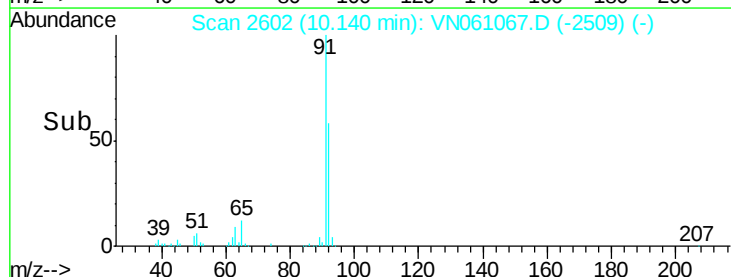
150000

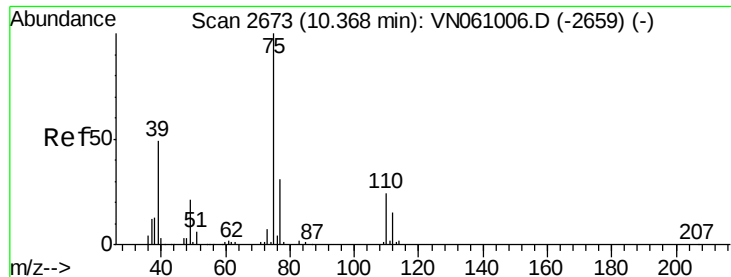
100000

50000

0

Time-->





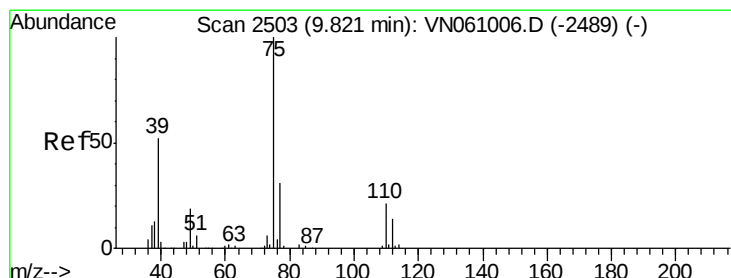
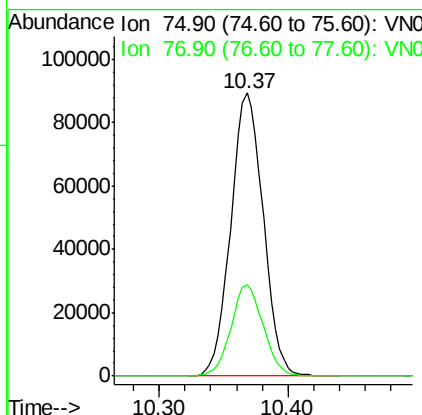
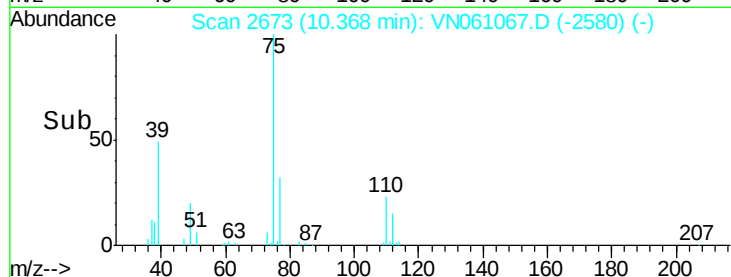
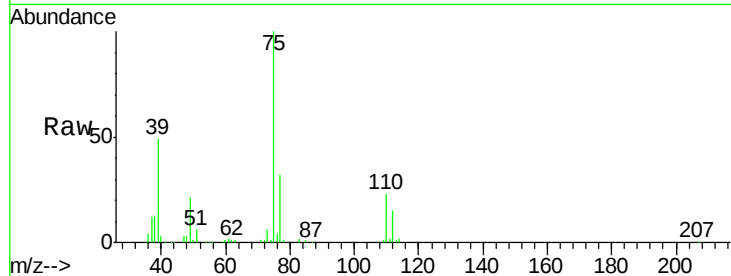
#53
t-1,3-Dichloropropene
Concen: 50.506 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 156066
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6

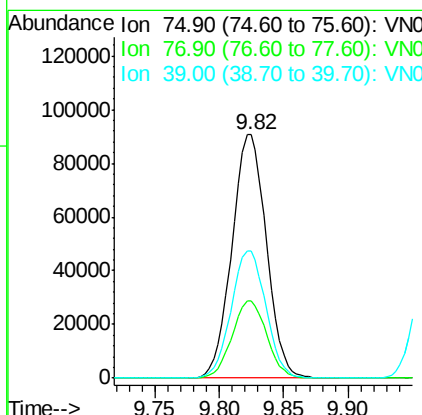
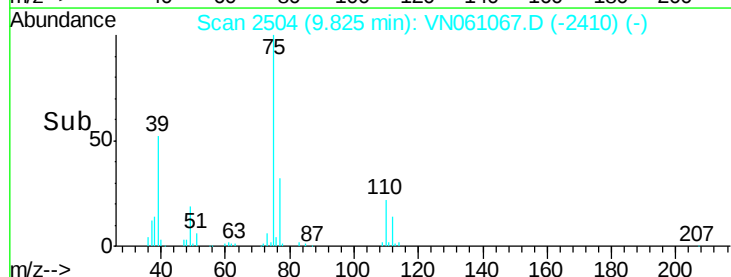
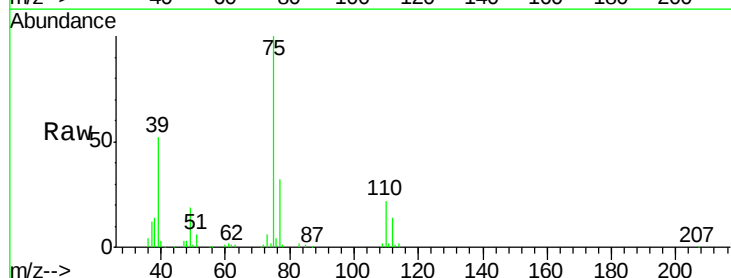
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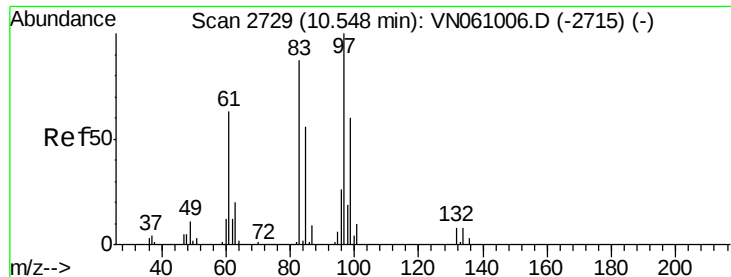
MMDadoda
4/20/2020 10:21:17 AM



#54
cis-1,3-Dichloropropene
Concen: 49.908 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion: 75 Resp: 168268
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 52.1 41.4 62.2





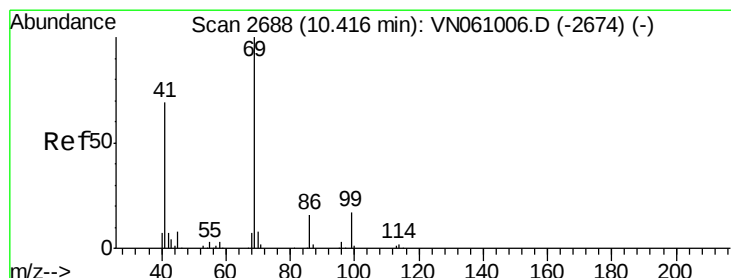
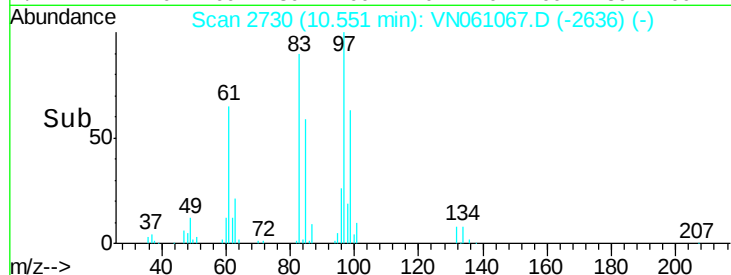
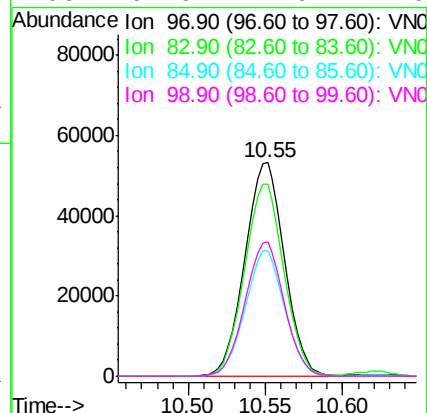
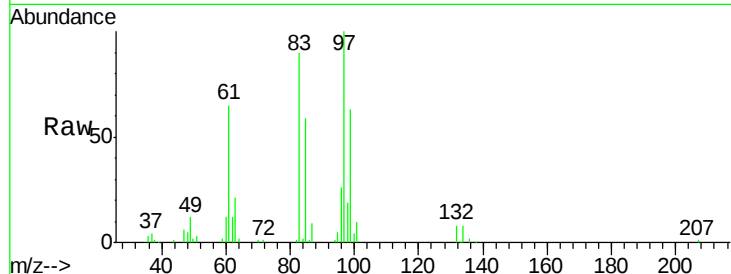
#55
 1,1,2-Trichloroethane
 Concen: 51.646 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.5	104.3
85	59.0	45.0	67.4
99	62.9	47.9	71.9

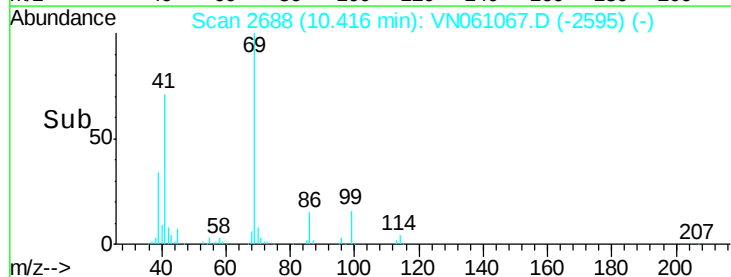
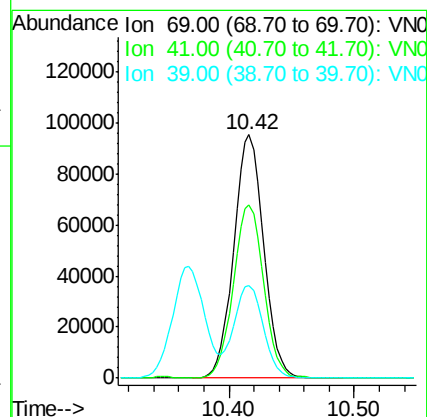
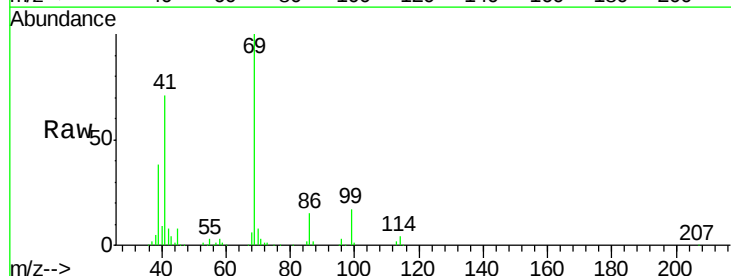
Manual Integrations
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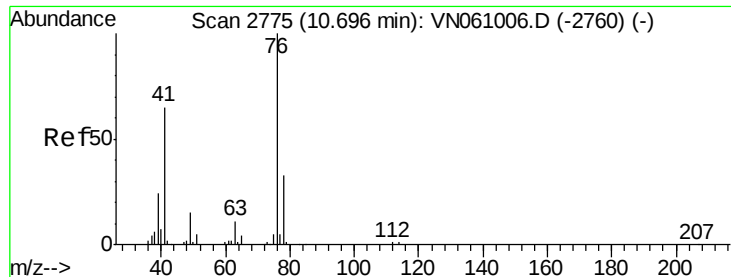
MMDadoda
 4/20/2020 10:21:17 AM



#56
 Ethyl methacrylate
 Concen: 54.657 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.7	85.1
39	37.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.364 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 168190

Ion Ratio Lower Upper

76 100

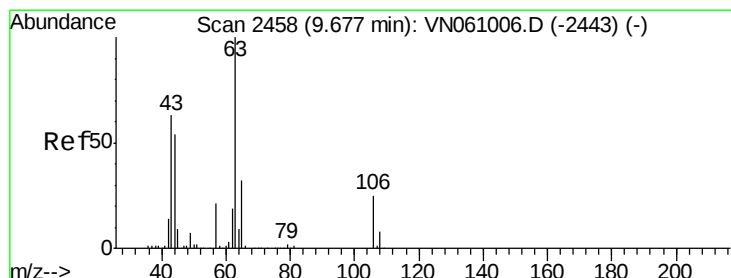
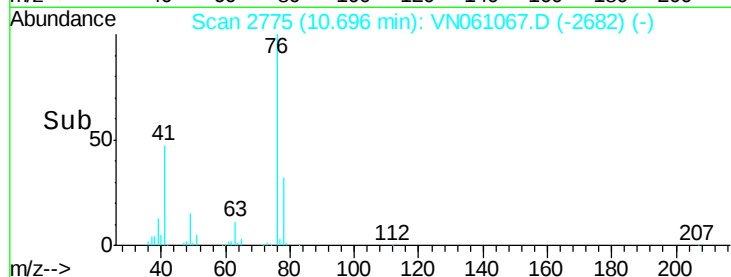
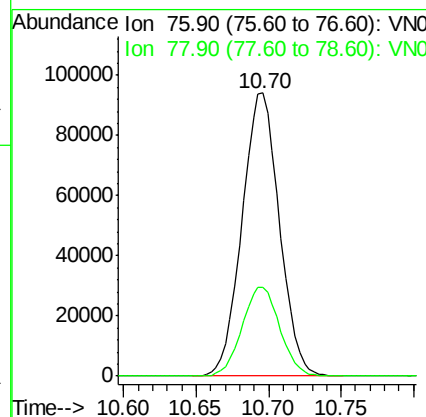
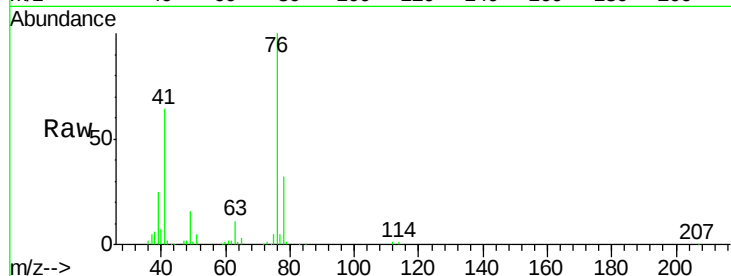
78 31.8 25.4 38.0

Manual Integrations

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4/20/2020 10:21:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 275.077 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN061067.D

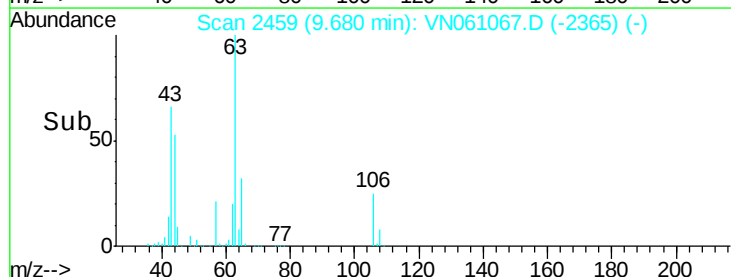
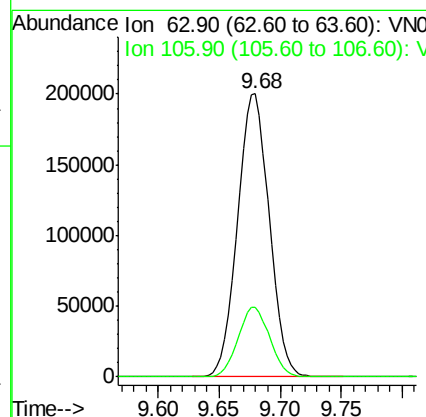
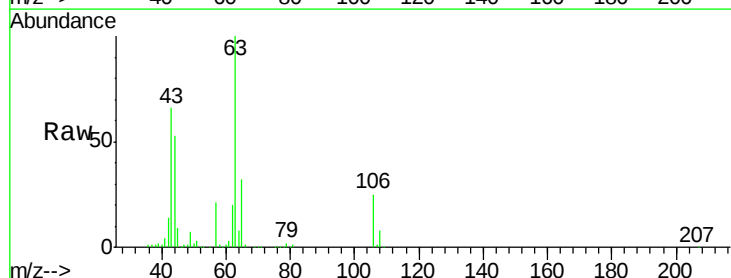
Acq: 17 Apr 2020 21:49

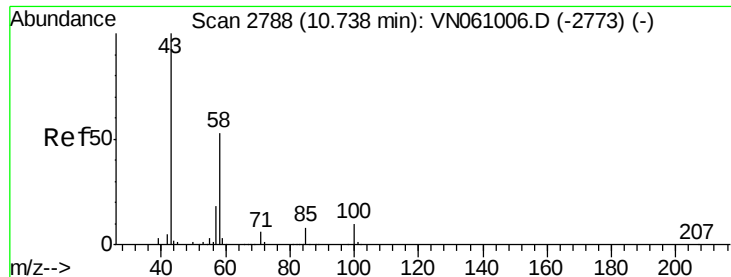
Tgt Ion: 63 Resp: 360824

Ion Ratio Lower Upper

63 100

106 24.5 19.5 29.3





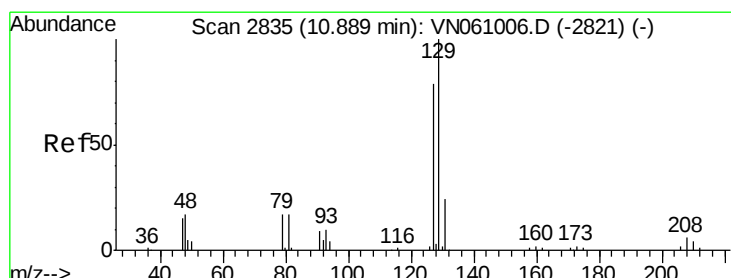
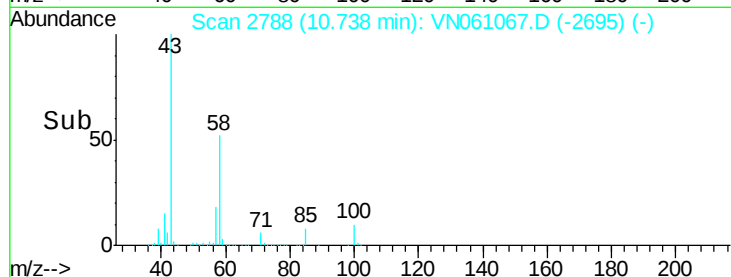
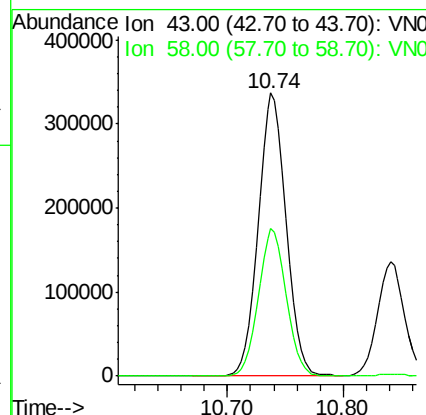
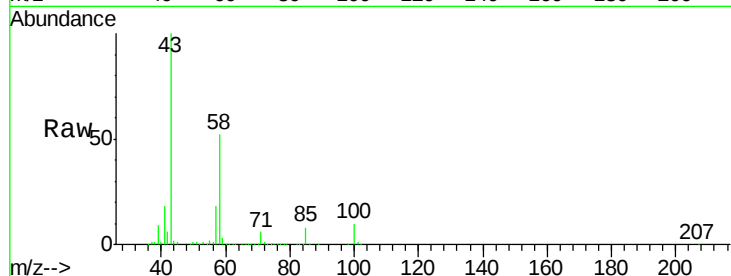
#59
2-Hexanone
Concen: 281.761 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 563843
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

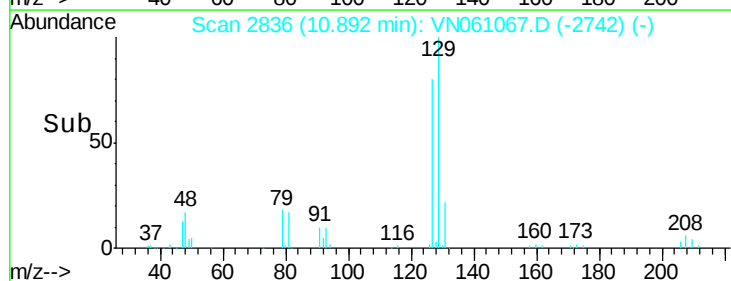
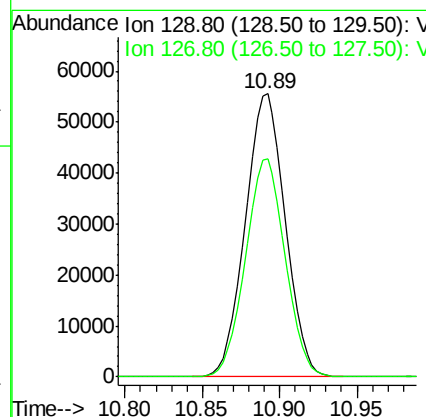
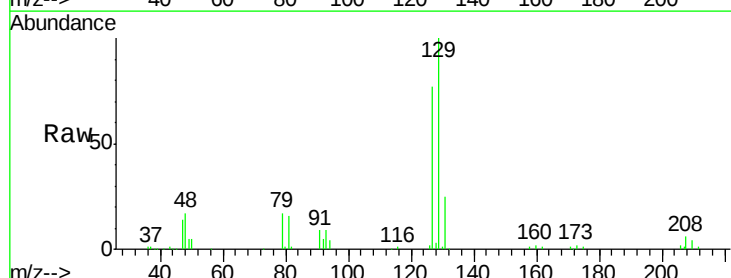
Manual Integrations
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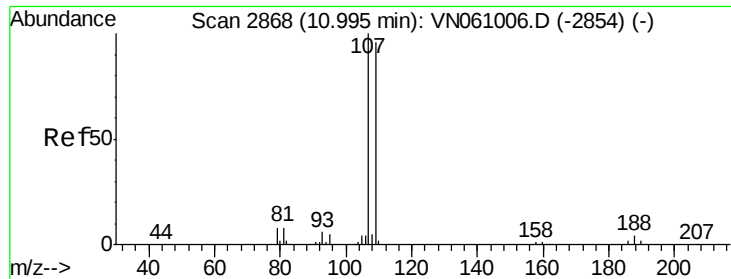
MMDadoda
4/20/2020 10:21:17 AM



#60
Dibromochloromethane
Concen: 53.023 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion: 129 Resp: 99991
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9





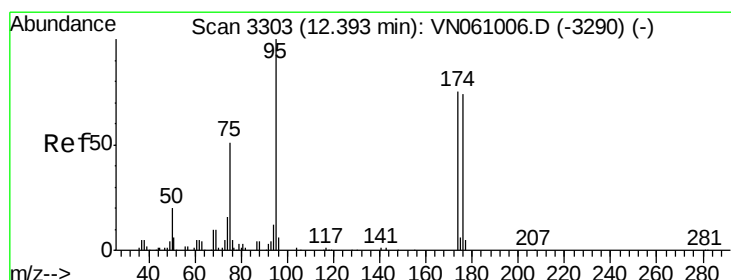
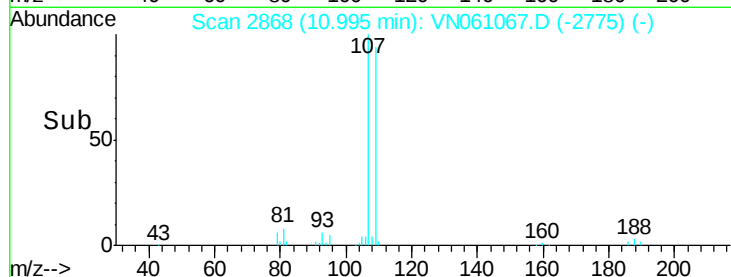
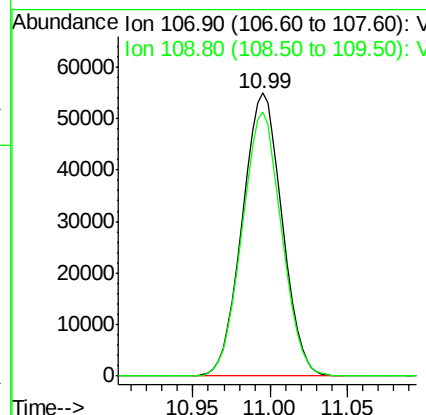
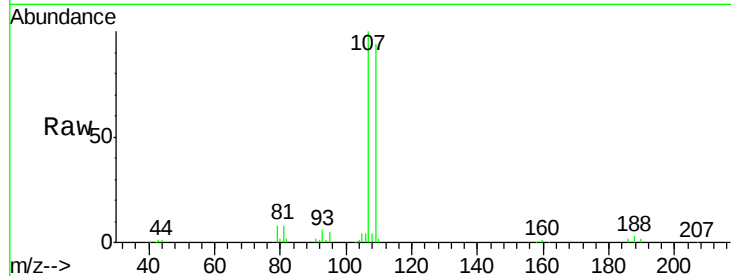
#61
 1,2-Dibromoethane
 Concen: 52.511 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 98228
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.9 113.9

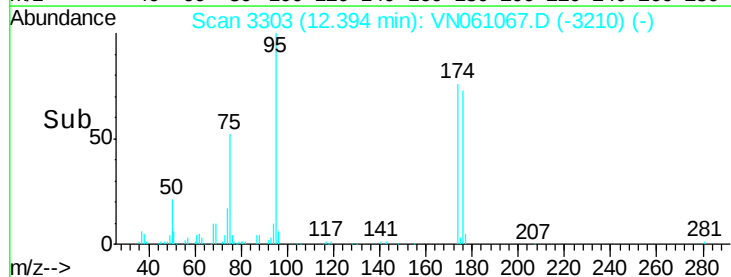
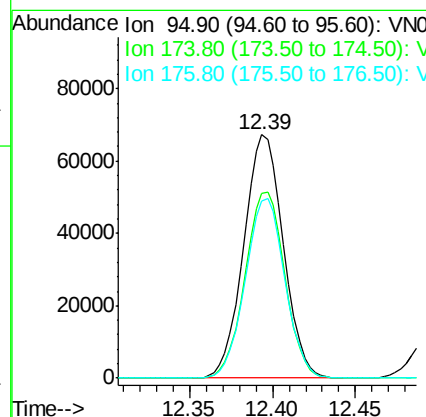
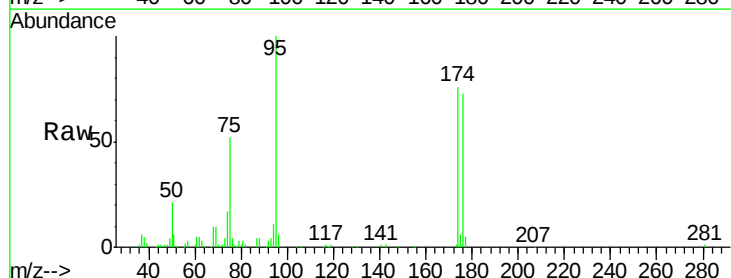
Manual Integrations
 APPROVED

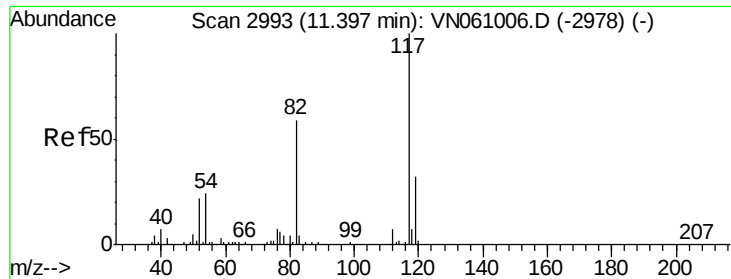
MMDadoda
 4/20/2020 10:21:17 AM



#62
 4-Bromofluorobenzene
 Concen: 48.729 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion: 95 Resp: 111322
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 151.2
 176 73.8 0.0 148.2





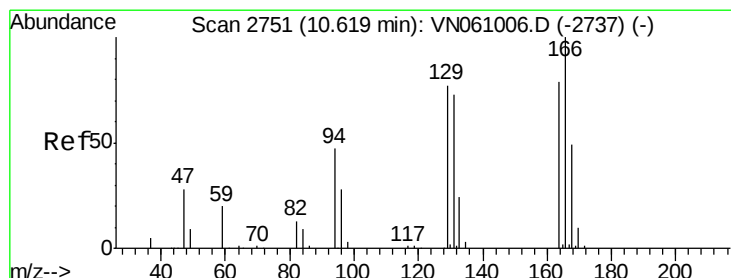
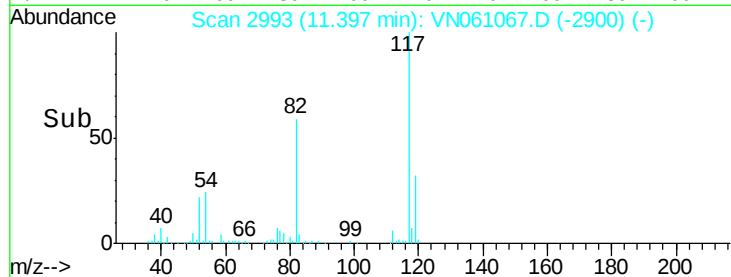
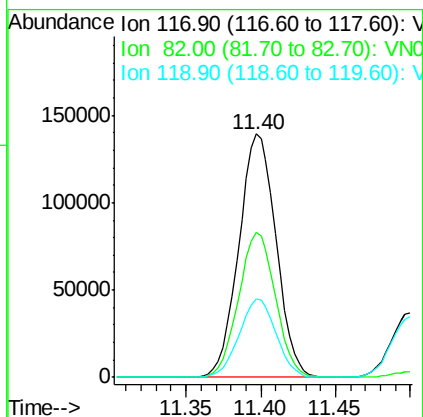
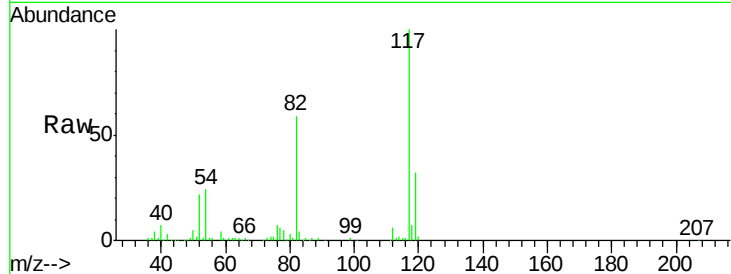
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.1	70.7
119	32.1	25.7	38.5

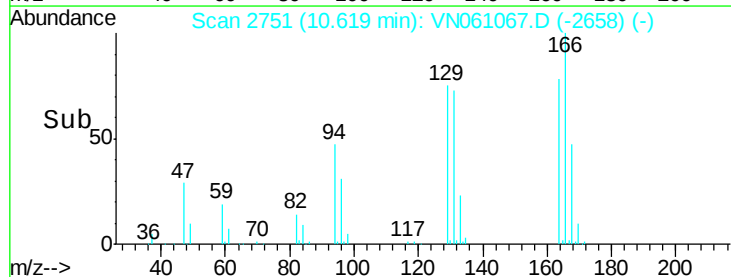
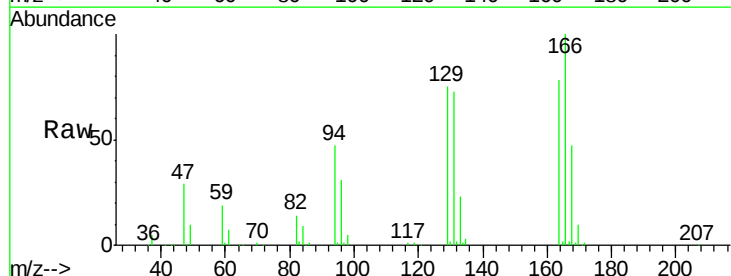
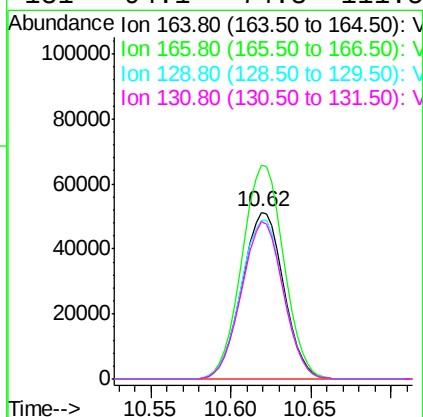
Manual Integrations
APPROVED

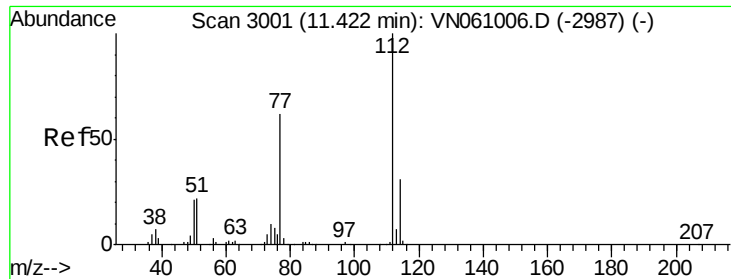
MMDadoda
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#64
Tetrachloroethene
Concen: 49.749 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.6	152.4
129	95.4	78.5	117.7
131	94.1	74.3	111.5





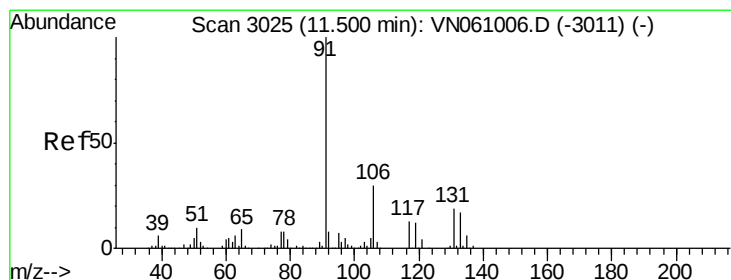
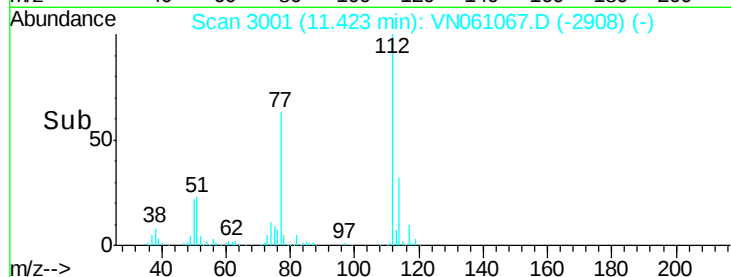
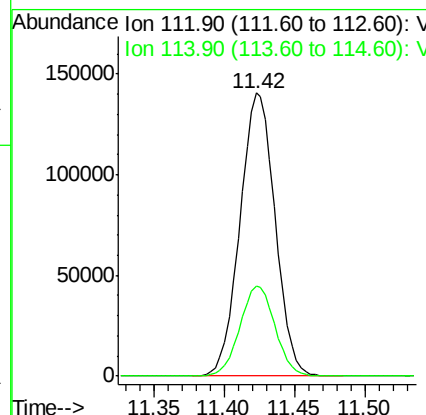
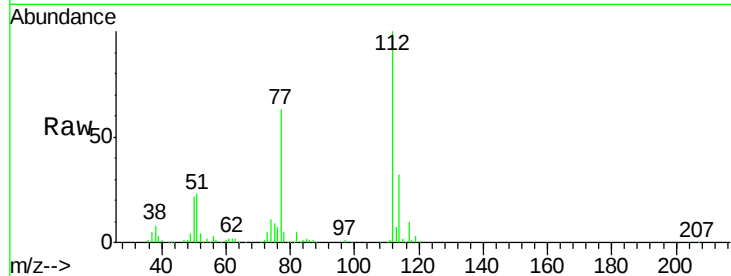
#65
Chlorobenzene
Concen: 49.229 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

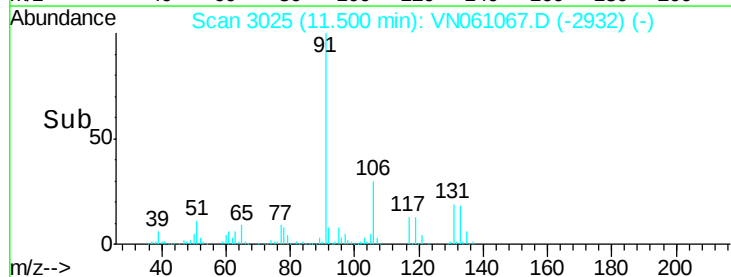
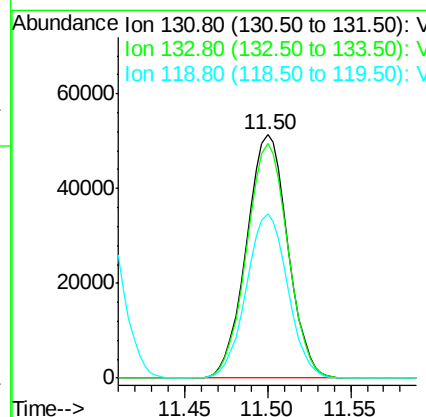
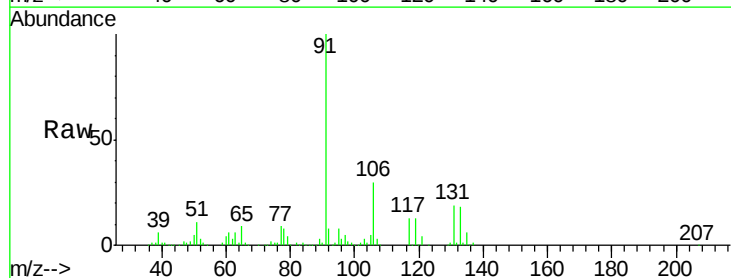
Manual Integrations
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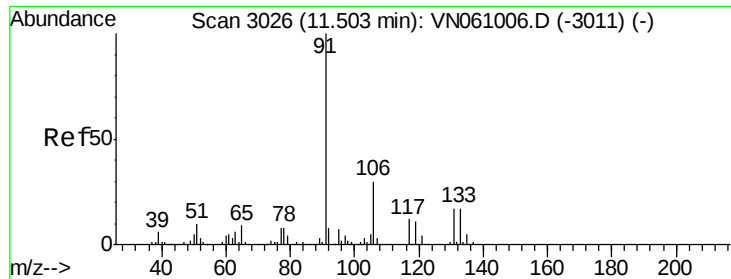
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.225 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.9	143.8
119	67.1	33.3	99.8





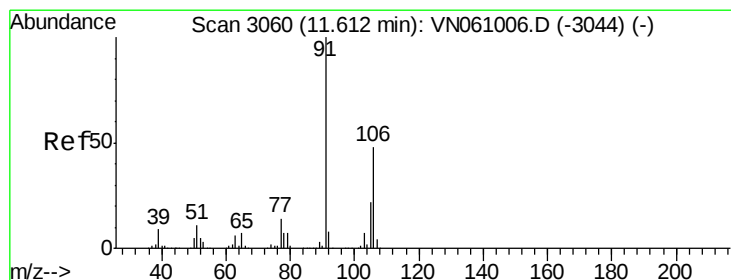
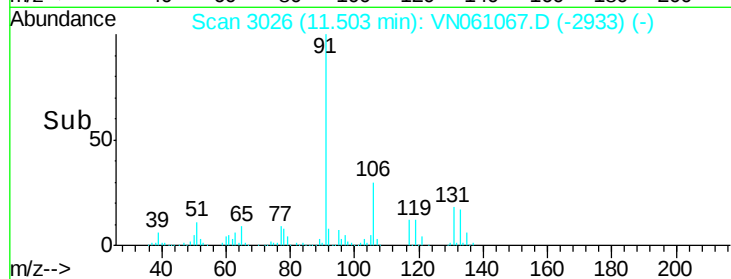
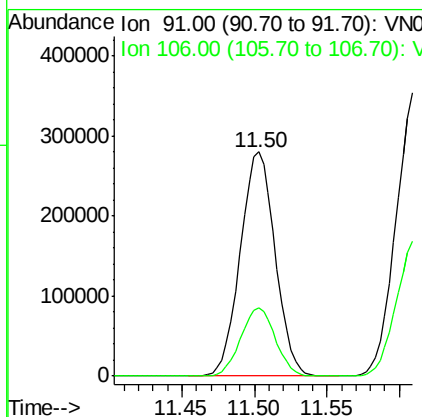
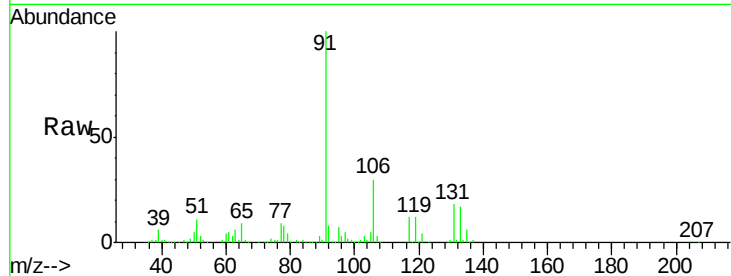
#67
Ethyl Benzene
Concen: 50.014 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 468703
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8

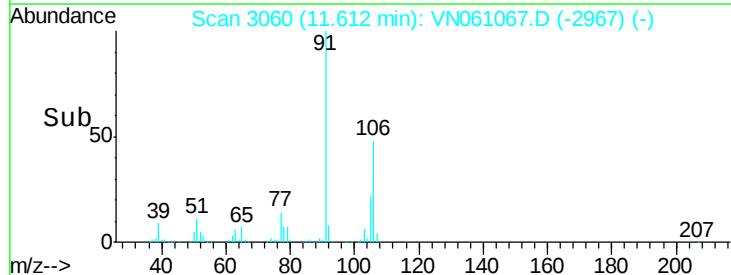
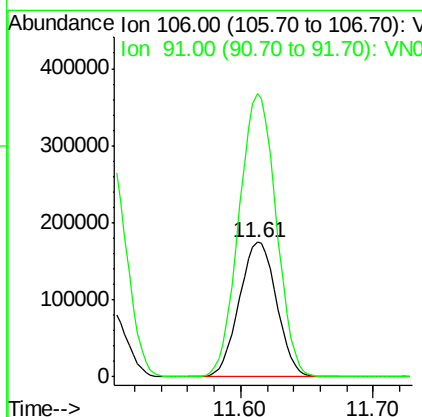
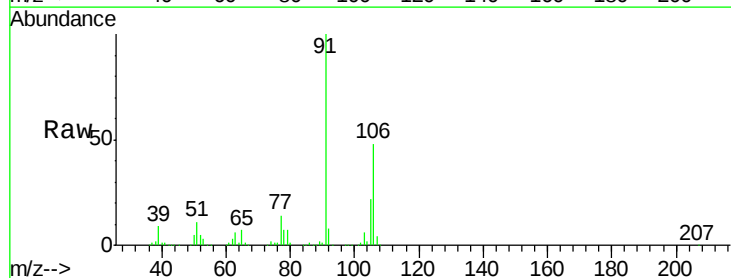
Manual Integrations
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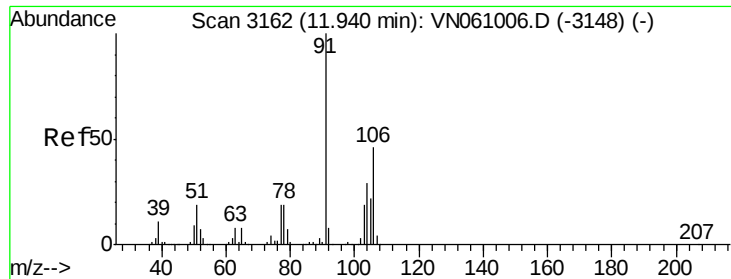
MMDadoda
4/20/2020 10:21:17 AM



#68
m/p-Xylenes
Concen: 100.839 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion: 106 Resp: 341523
Ion Ratio Lower Upper
106 100
91 209.0 167.9 251.9





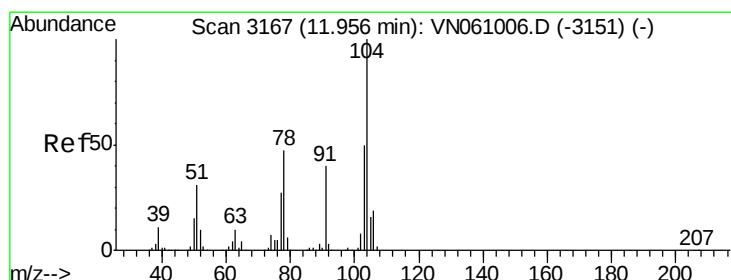
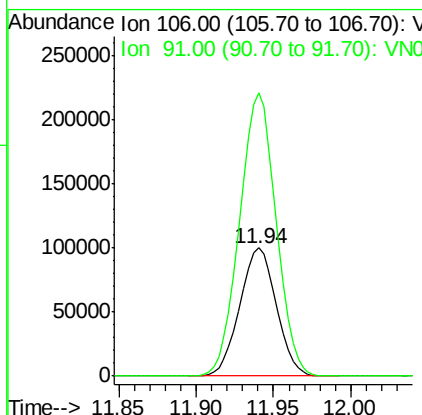
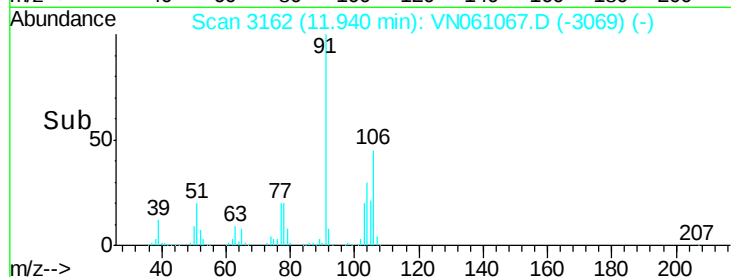
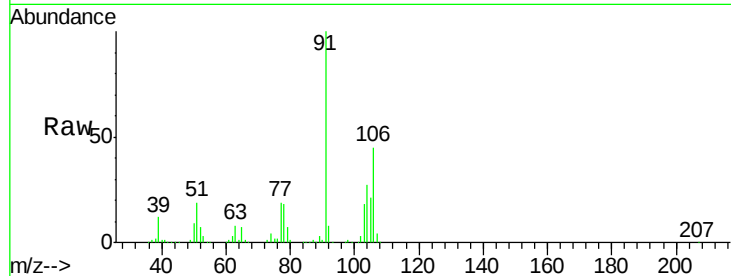
#69
o-Xylene
Concen: 50.560 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	164640		
91	91	220.2	110.7	332.1	

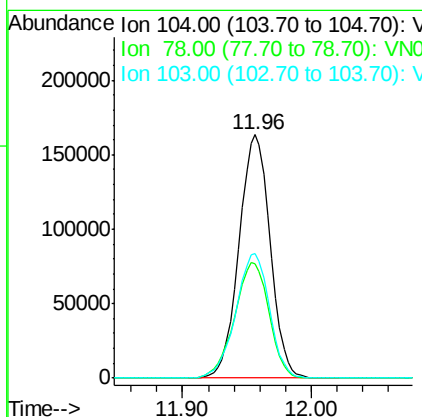
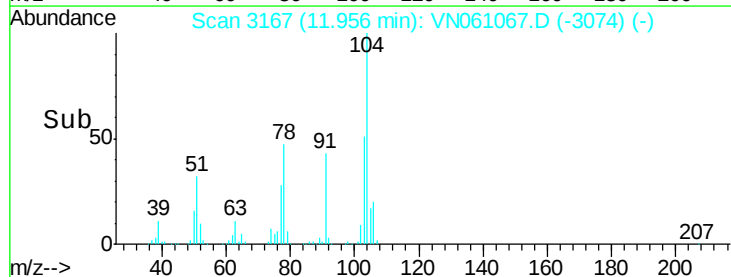
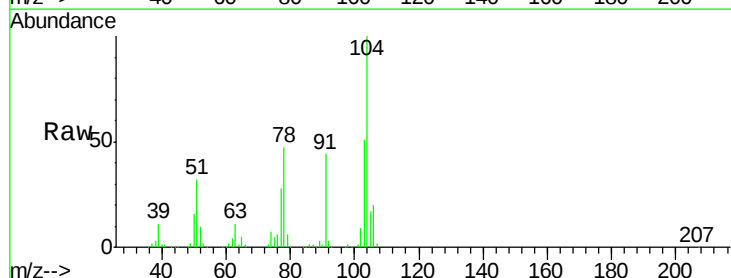
Manual Integrations
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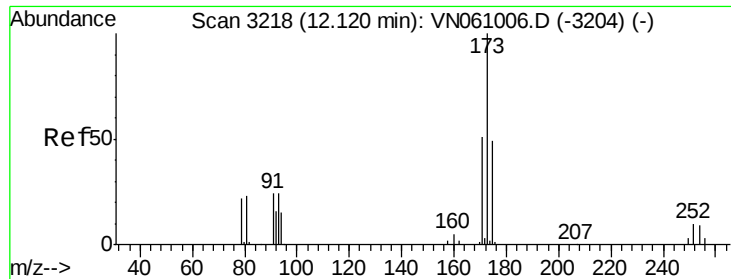
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#70
Styrene
Concen: 52.366 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	274525		
78	78	52.6	42.2	63.4	
103	103	55.4	44.4	66.6	





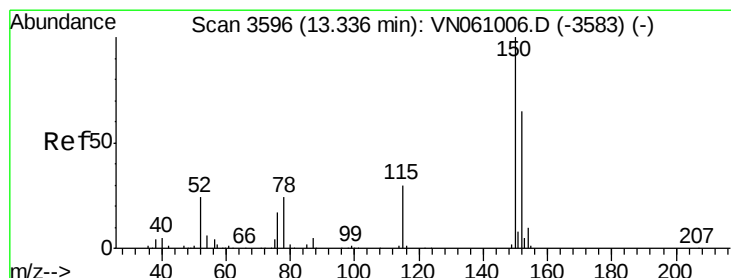
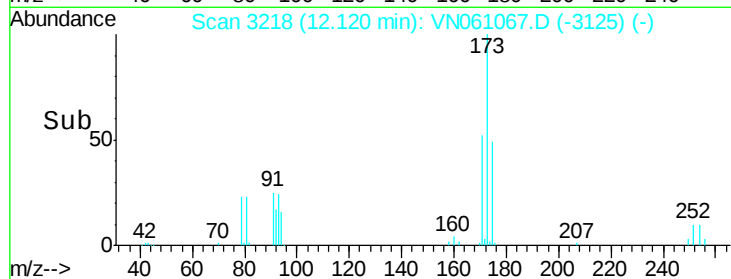
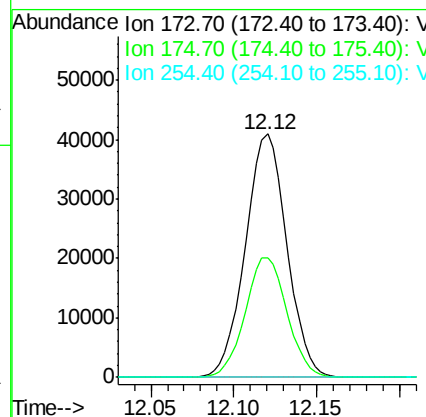
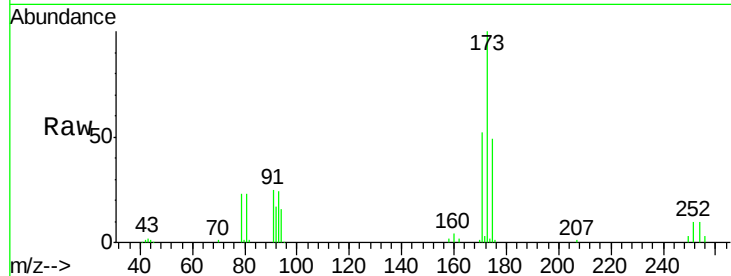
#71
Bromoform
Concen: 53.389 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.5	73.5
254	0.0	0.0	0.0

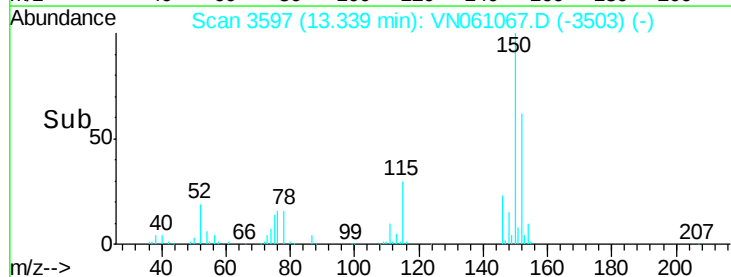
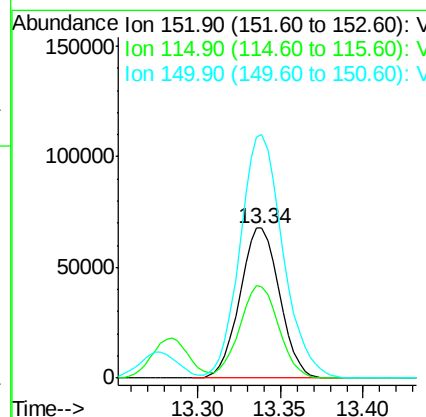
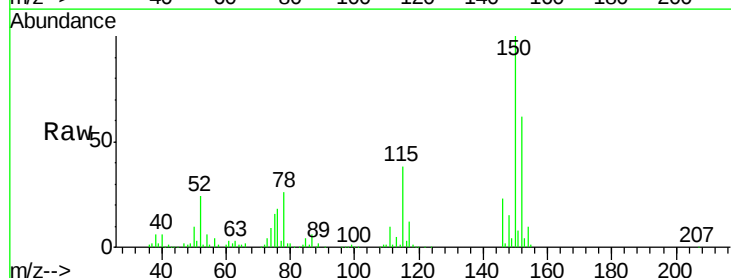
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.8	92.4
150	175.7	0.0	349.0





#73

Isopropylbenzene

Concen: 49.155 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 444464

Ion Ratio Lower Upper

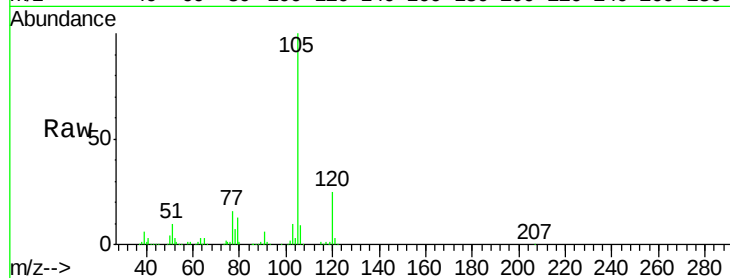
105 100

120 25.5 13.0 38.9

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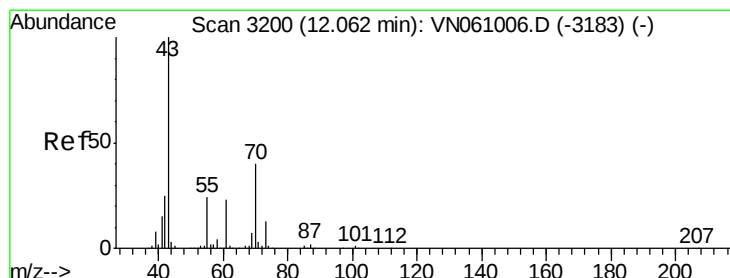
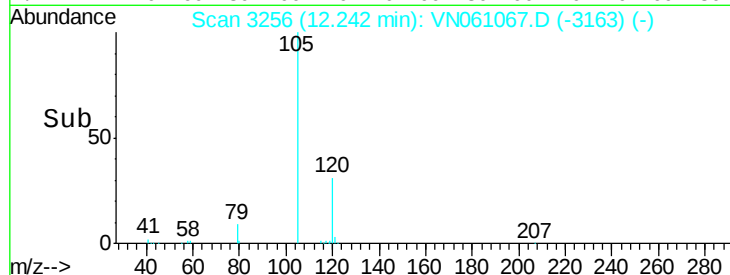
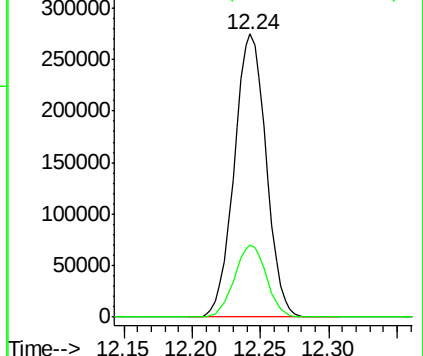
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.880 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Tgt Ion: 43 Resp: 213942

Ion Ratio Lower Upper

43 100

70 38.3 31.0 46.6

55 23.1 18.6 27.8

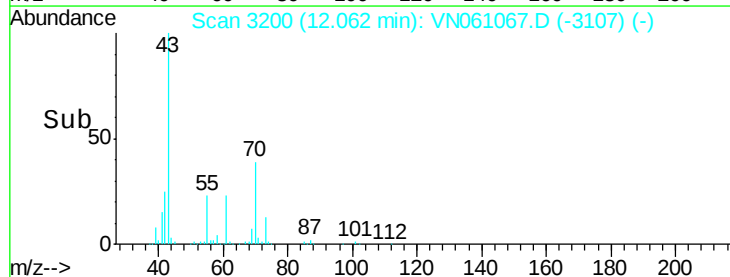
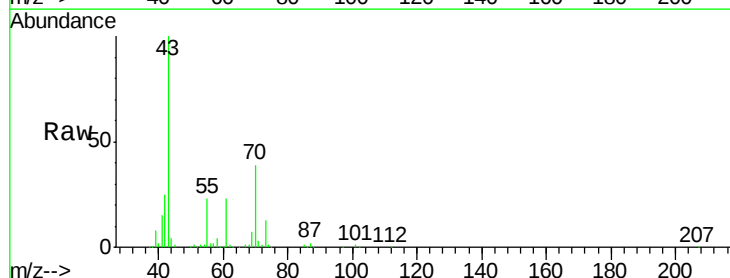
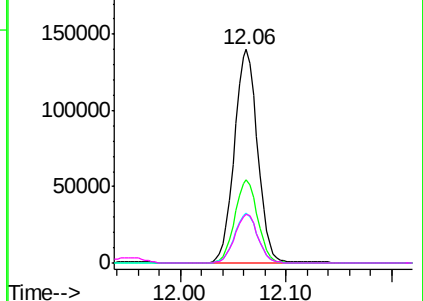
61 22.8 18.2 27.4

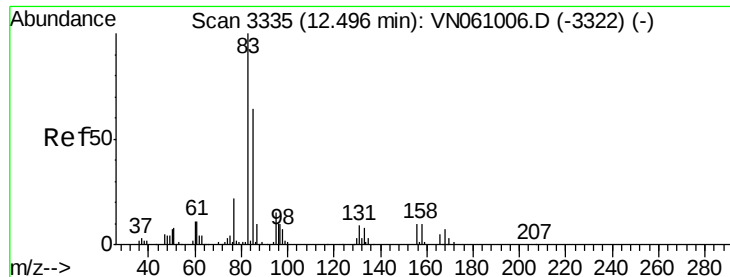
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.983 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 143482

Ion Ratio Lower Upper

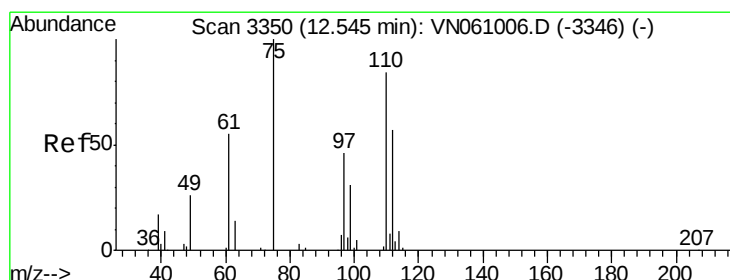
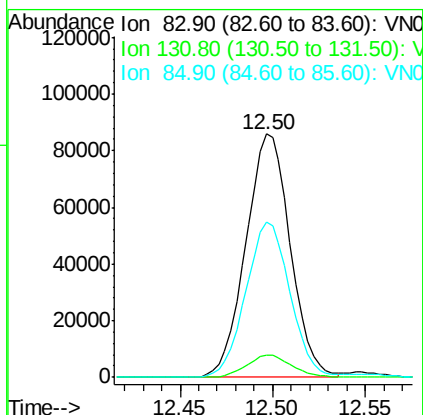
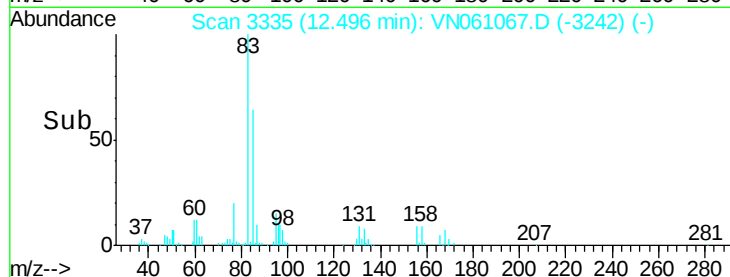
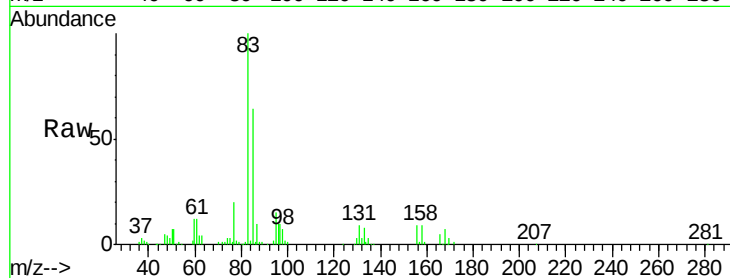
83 100

131 9.3 4.8 14.3

85 63.6 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.267 ug/l m

RT: 12.54 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN061067.D

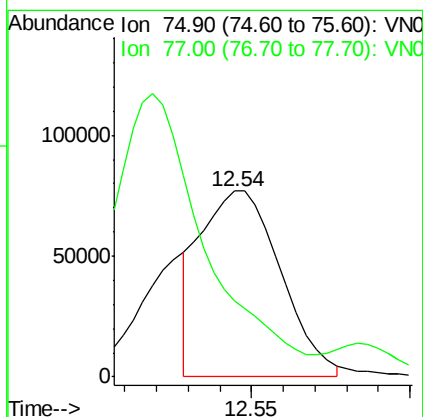
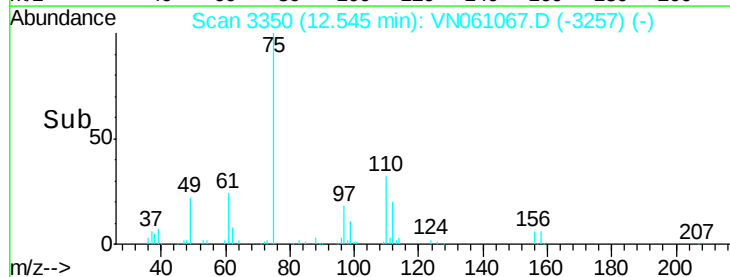
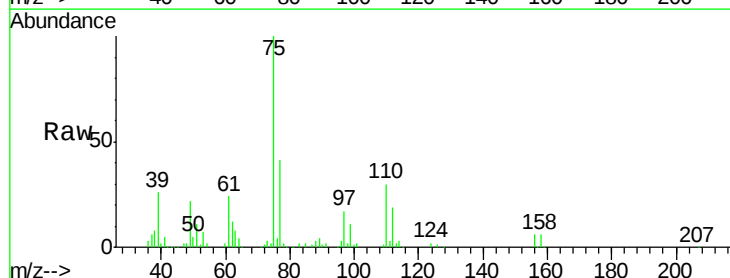
Acq: 17 Apr 2020 21:49

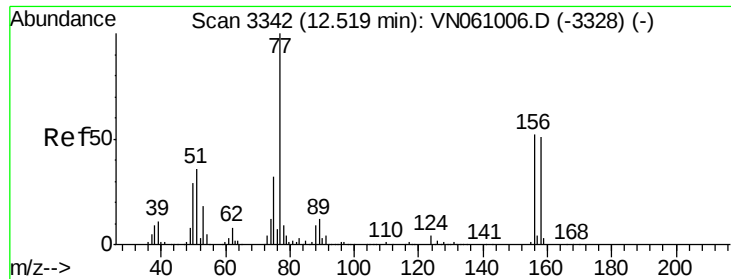
Tgt Ion: 75 Resp: 134720

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.247 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

Instrument :

MSVOA_N

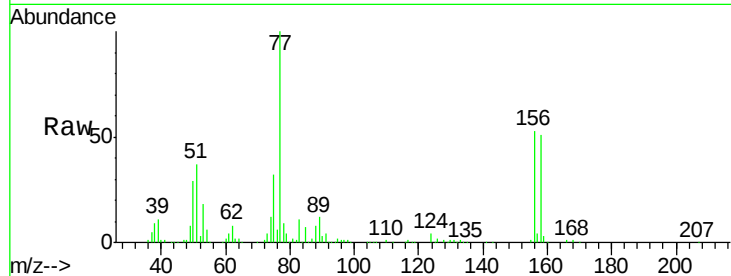
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.3	115.6	346.8
158	97.1	48.9	146.6

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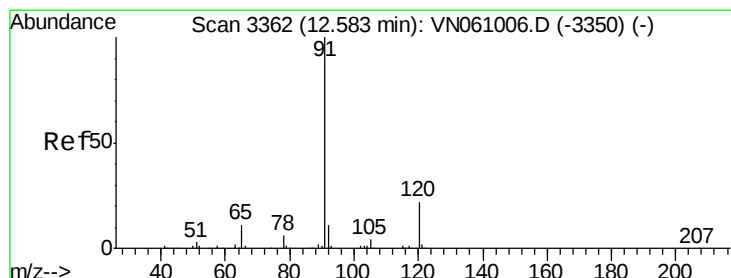
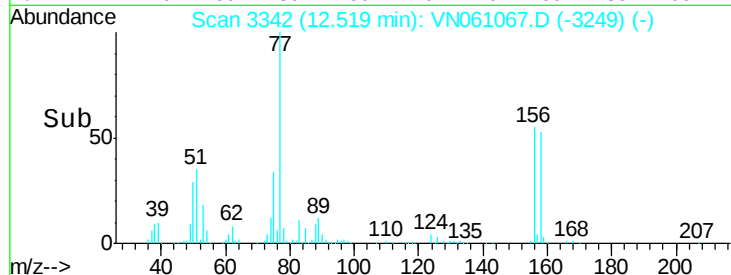
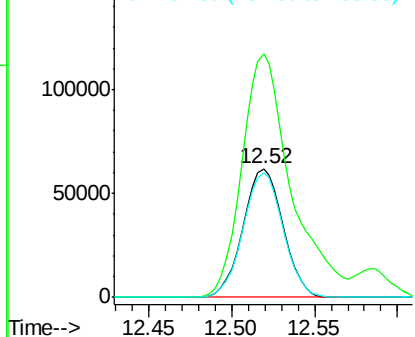


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.840 ug/l

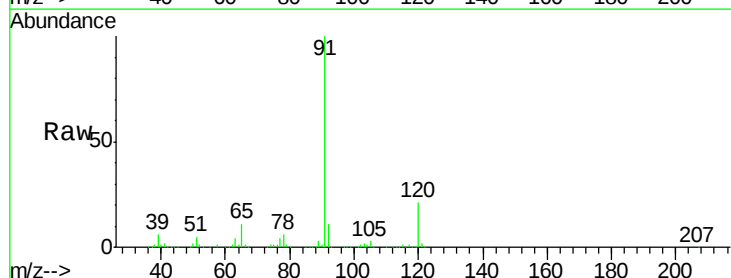
RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061067.D

Acq: 17 Apr 2020 21:49

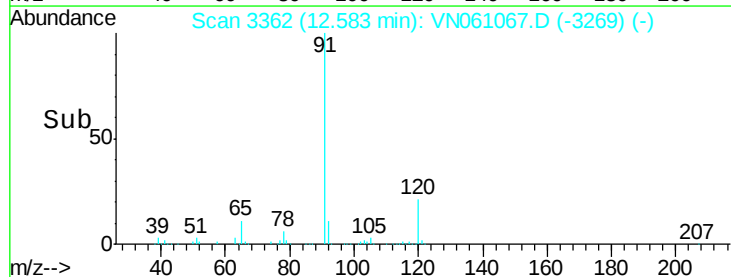
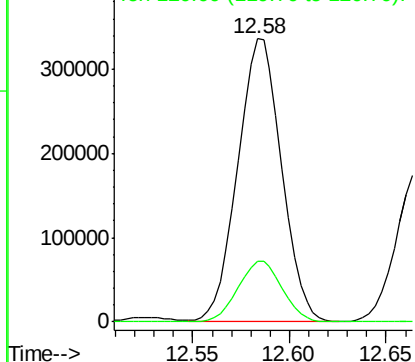
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7

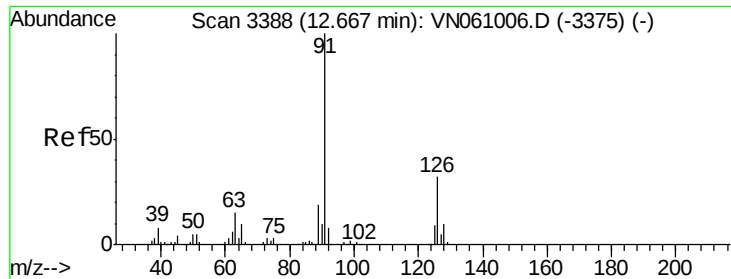


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





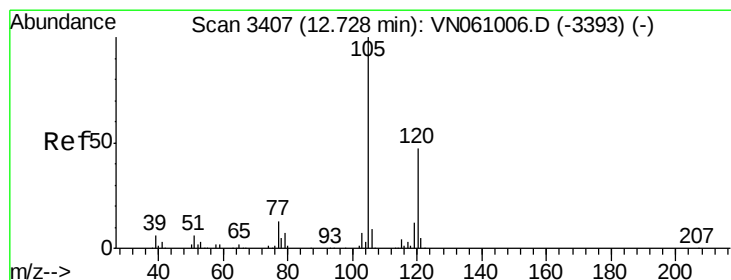
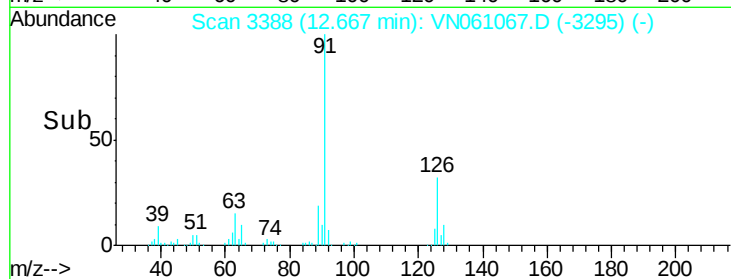
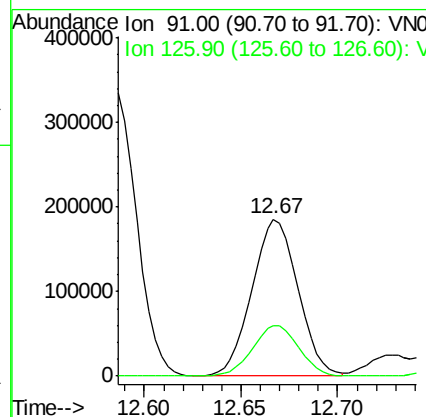
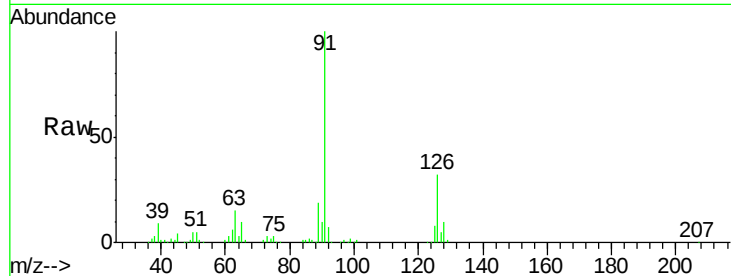
#79
 2-Chlorotoluene
 Concen: 49.301 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 305891
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.2

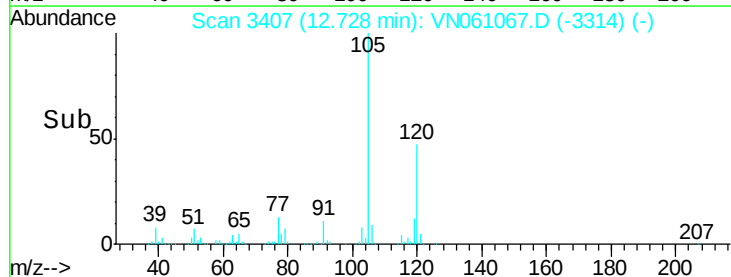
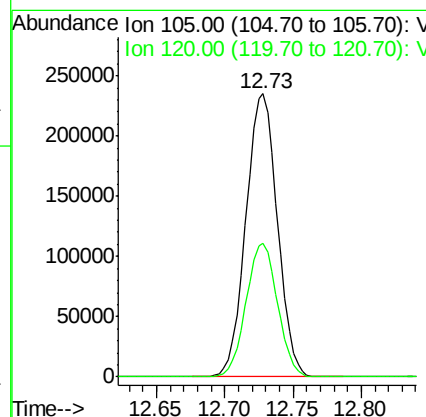
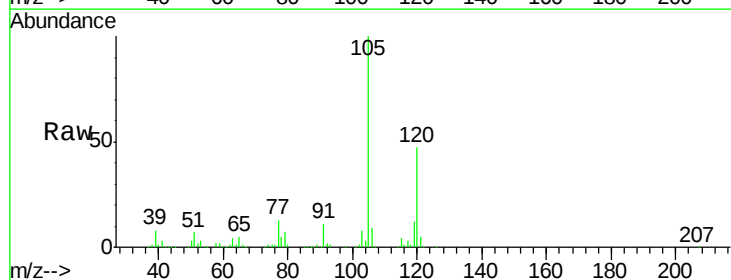
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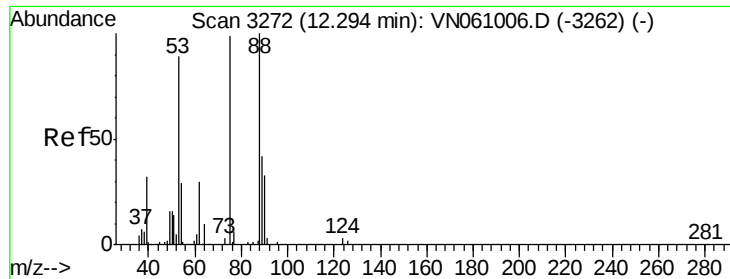
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.282 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion: 105 Resp: 375806
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.6 70.8





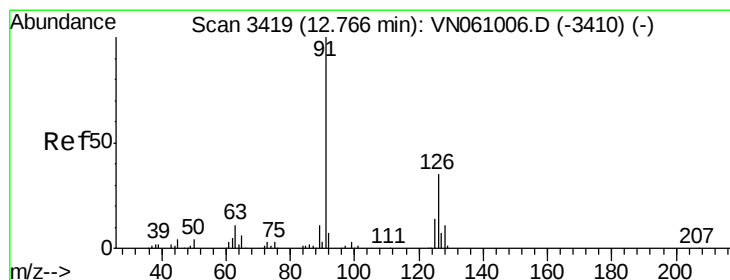
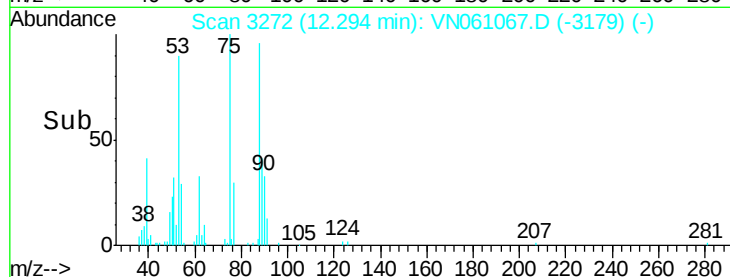
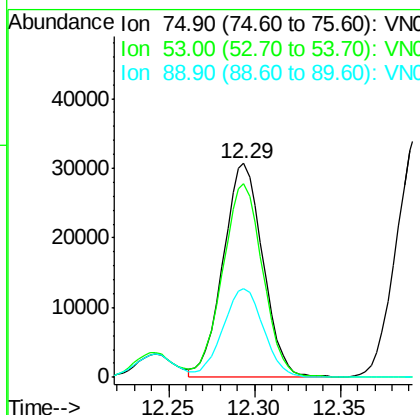
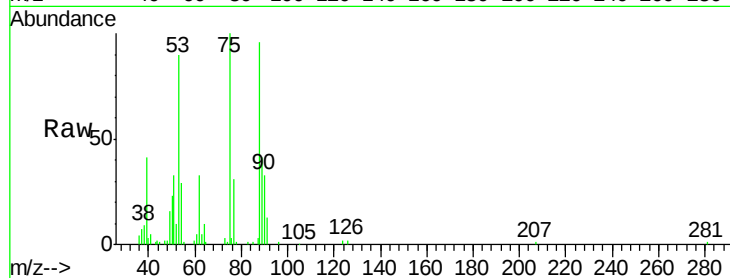
#81
trans-1,4-Dichloro-2-butene
Concen: 49.264 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	74.7	112.1
89	42.3	34.6	52.0

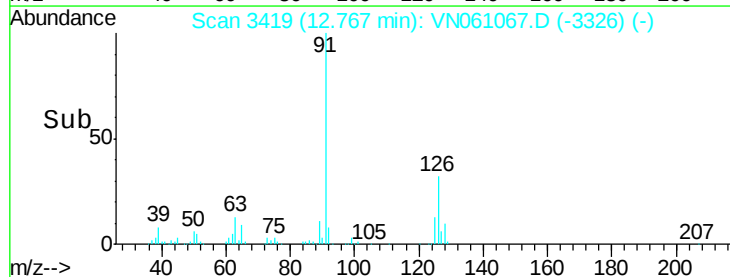
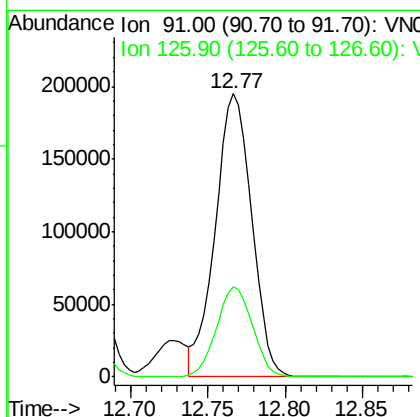
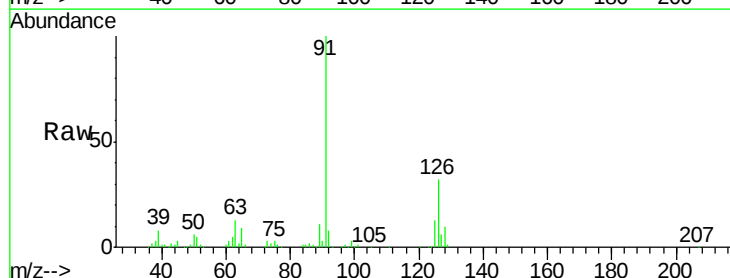
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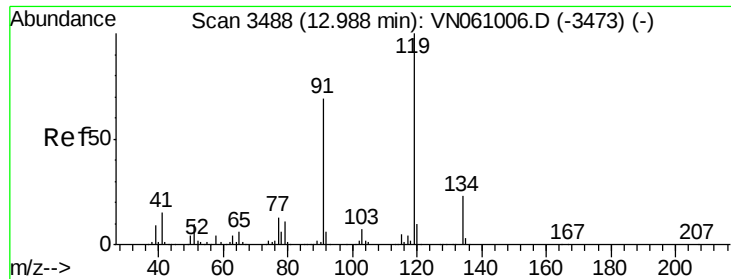
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#82
4-Chlorotoluene
Concen: 49.472 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.6





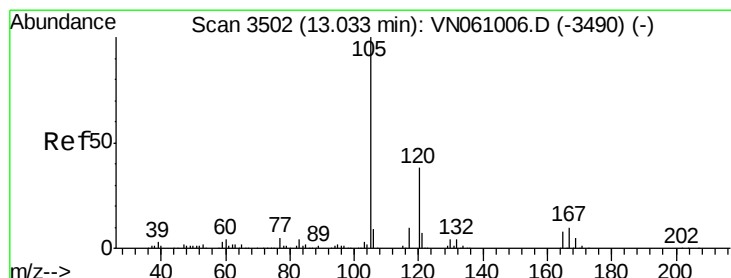
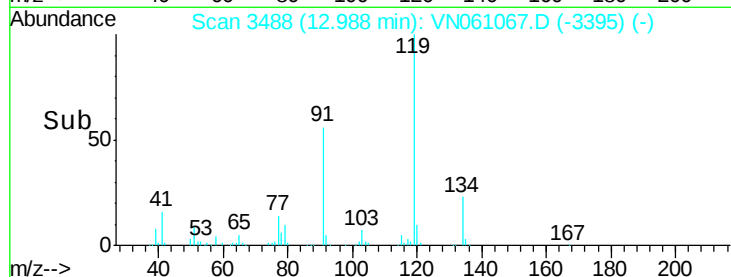
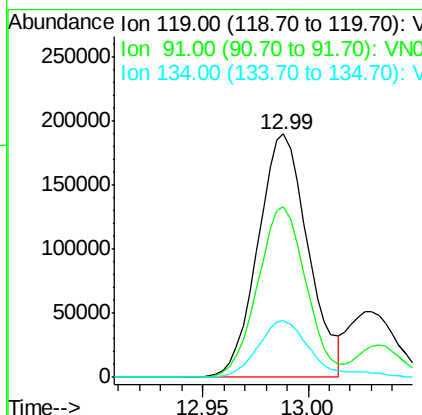
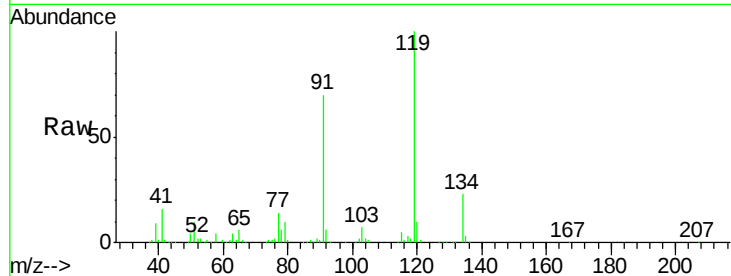
#83
 tert-Butylbenzene
 Concen: 49.990 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	314211		
91	68.2	34.1	102.3	
134	24.7	12.4	37.2	

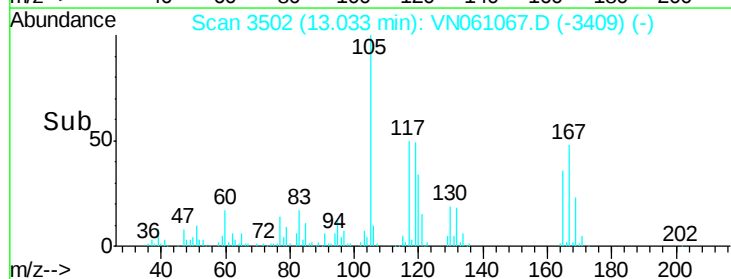
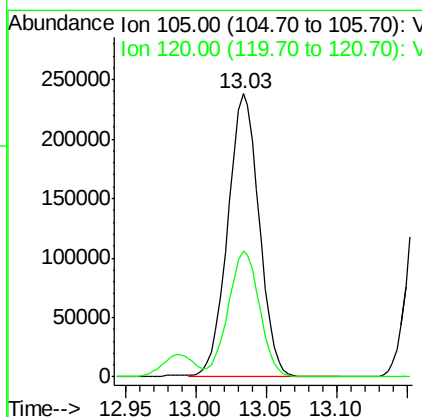
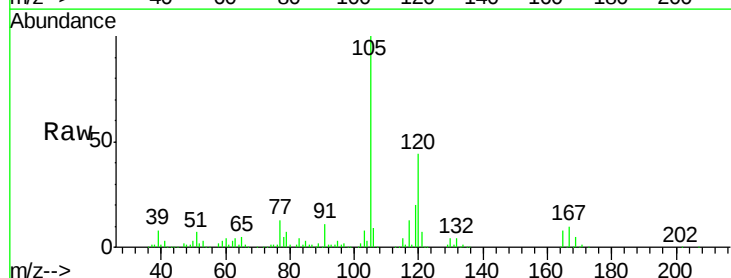
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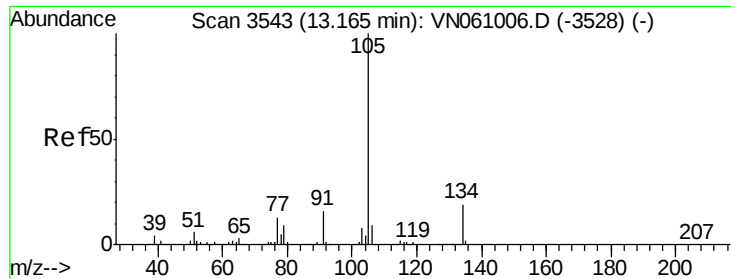
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.152 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	370515		
120	44.7	22.1	66.5	





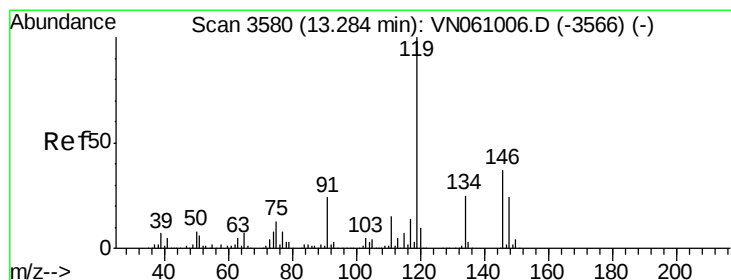
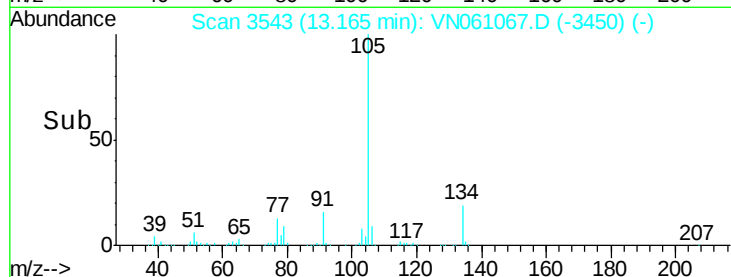
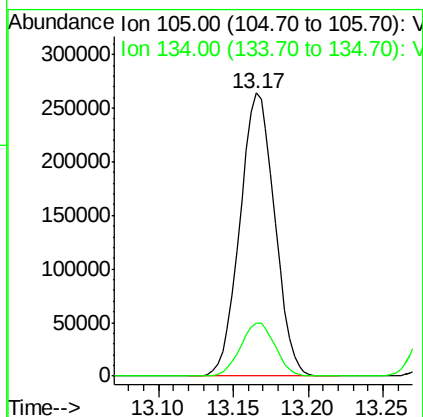
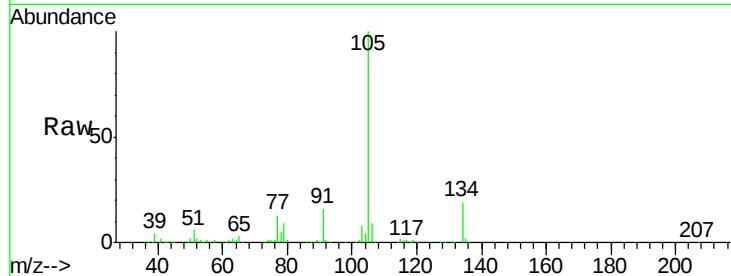
#85
 sec-Butylbenzene
 Concen: 50.192 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.5	28.5

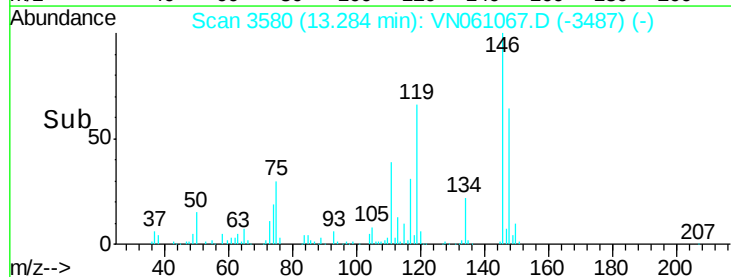
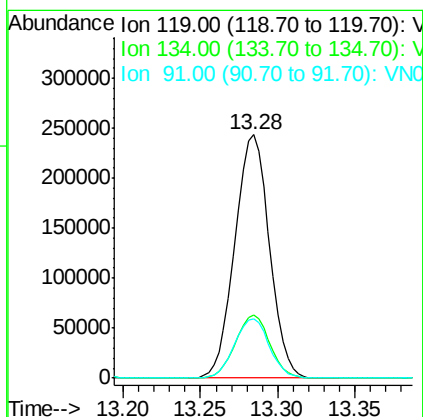
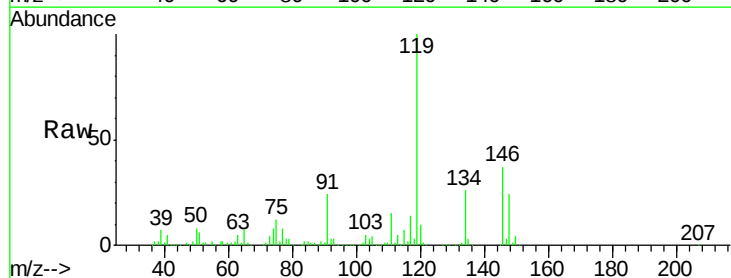
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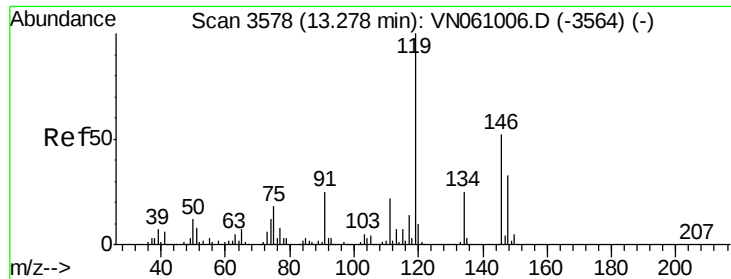
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#86
 p-Isopropyltoluene
 Concen: 49.637 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.7	12.3	36.8





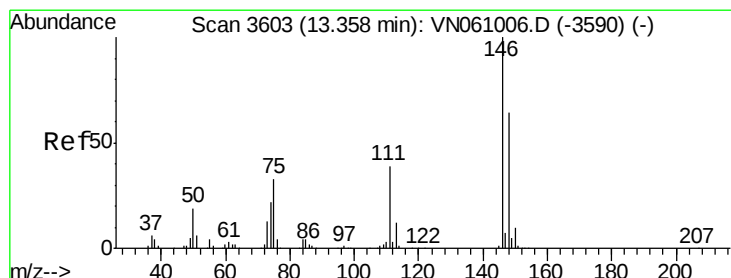
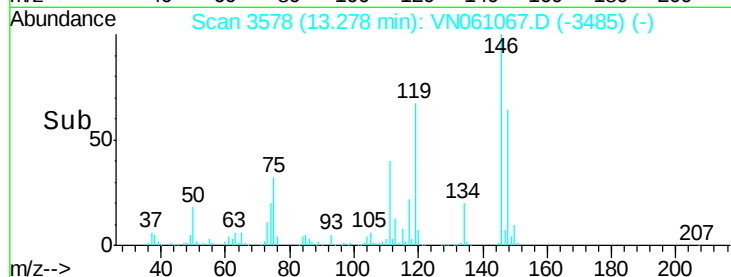
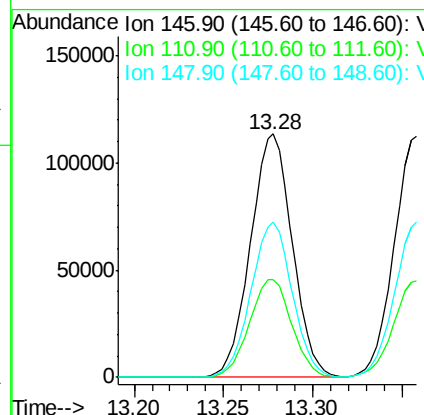
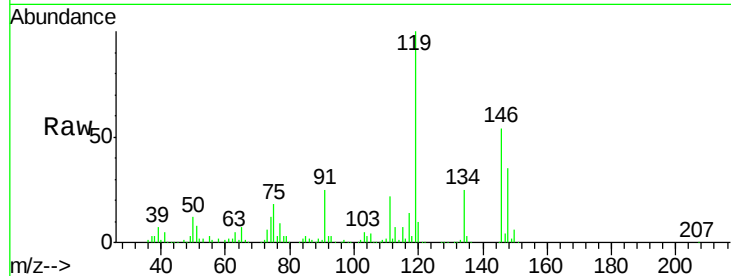
#87
 1,3-Dichlorobenzene
 Concen: 49.388 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185818		
111	40.8	20.6	61.8	
148	63.2	31.8	95.3	

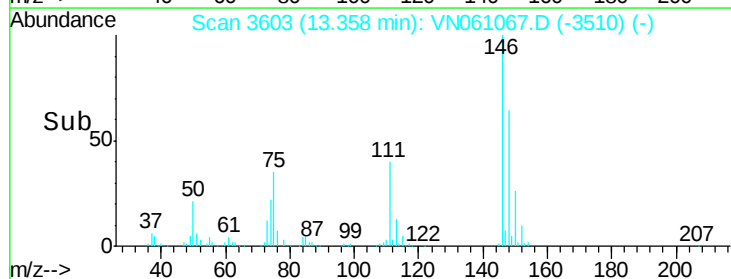
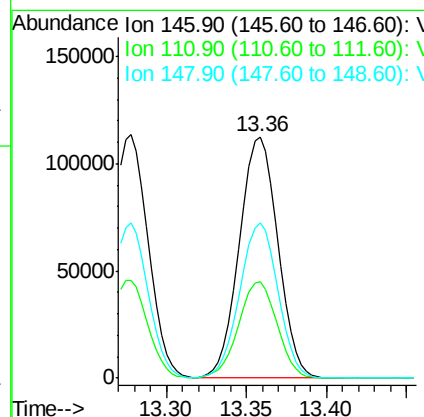
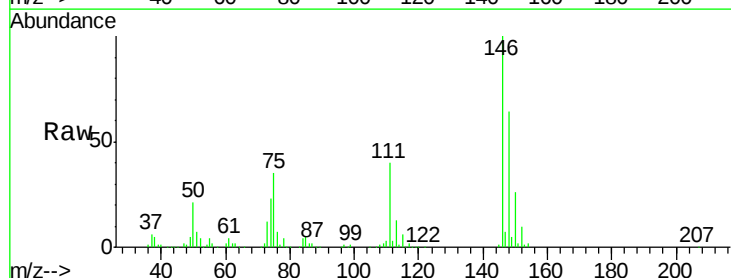
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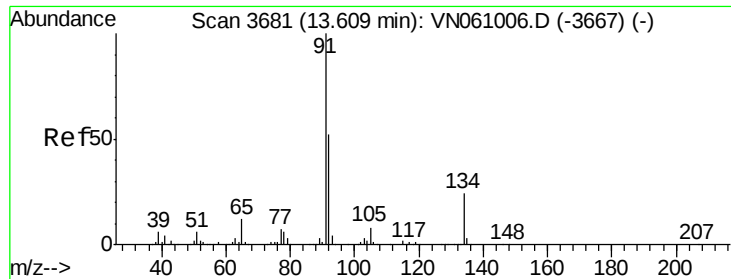
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#88
 1,4-Dichlorobenzene
 Concen: 48.876 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185000		
111	39.9	20.1	60.3	
148	64.1	32.1	96.3	





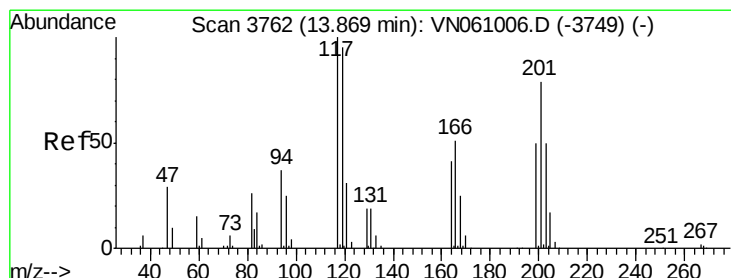
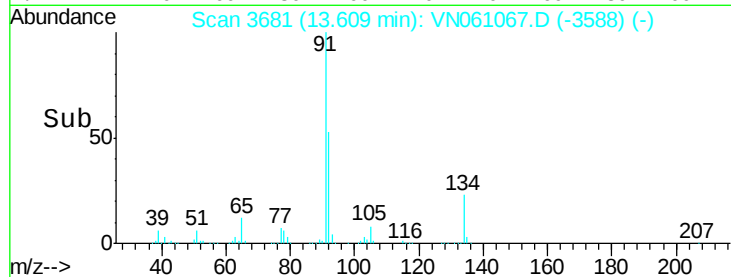
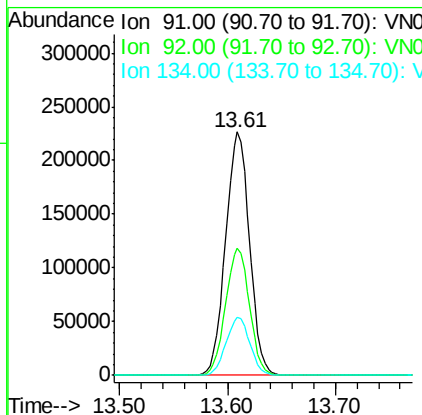
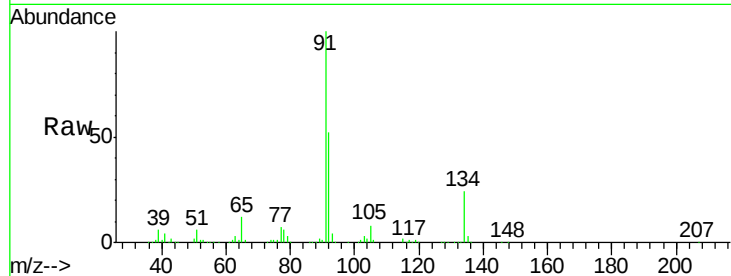
#89
n-Butylbenzene
Concen: 49.582 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	23.7	12.3	36.8

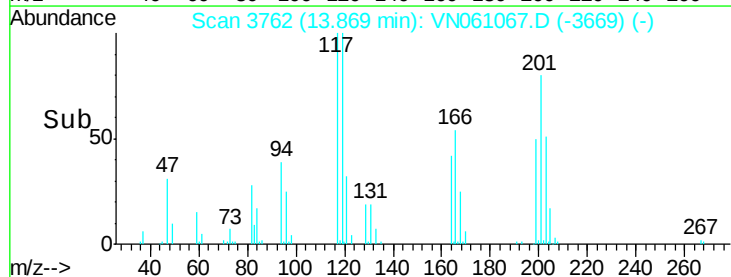
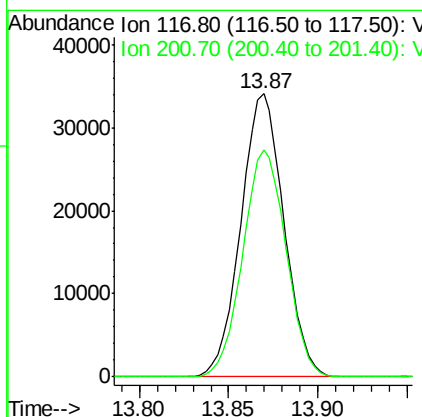
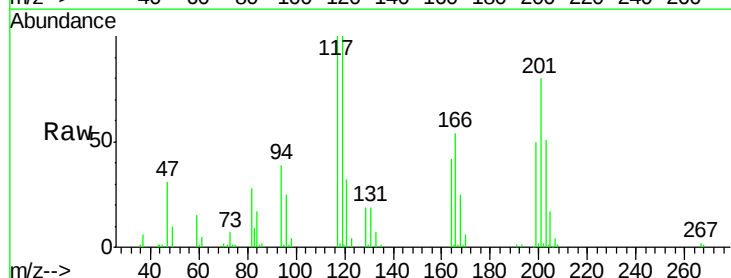
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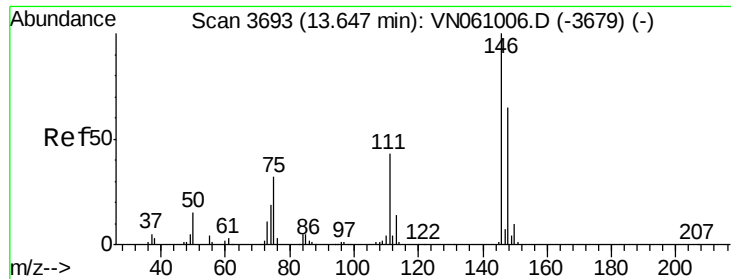
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#90
Hexachloroethane
Concen: 49.439 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	39.3	117.9





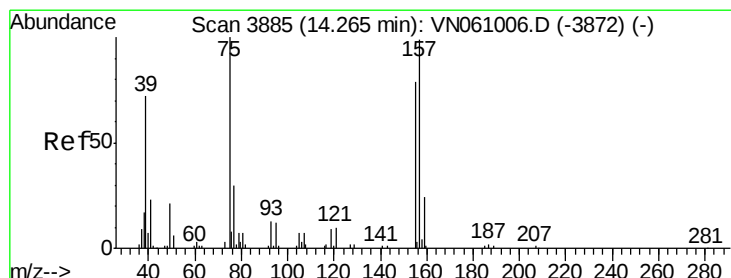
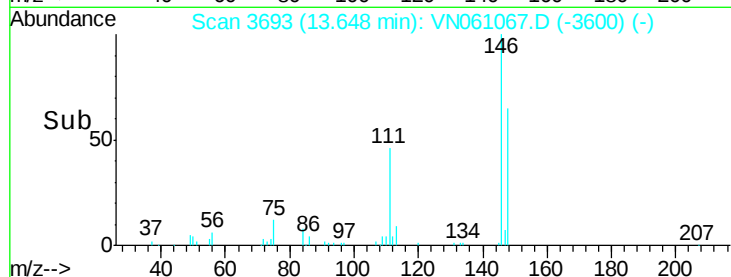
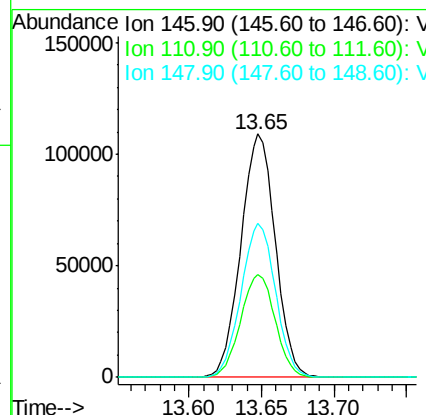
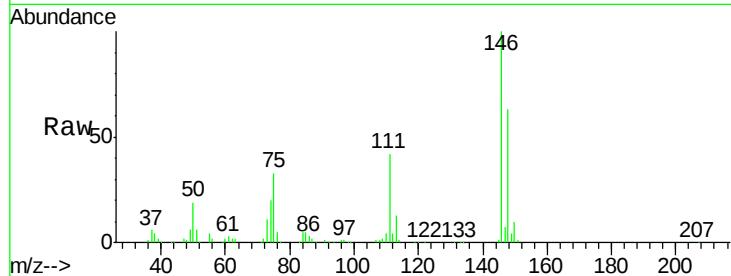
#91
 1,2-Dichlorobenzene
 Concen: 50.187 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	63.2	32.0	96.0

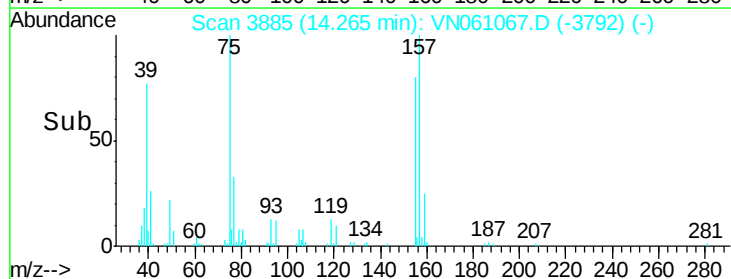
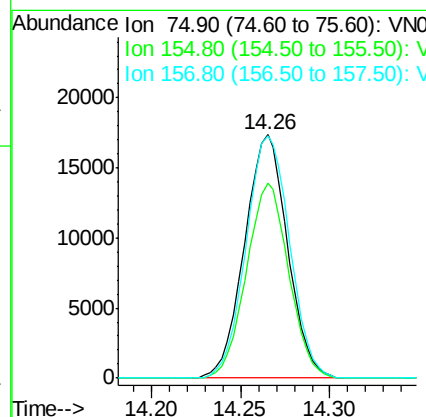
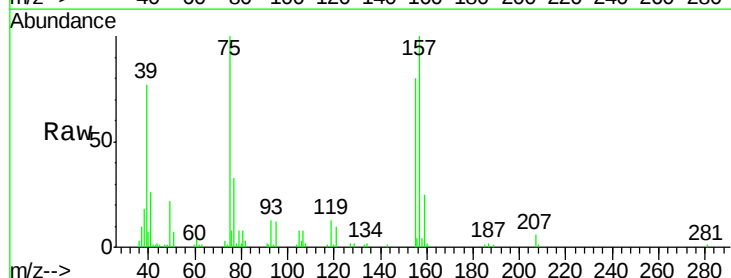
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.923 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.5	118.5
157	100.8	50.1	150.4





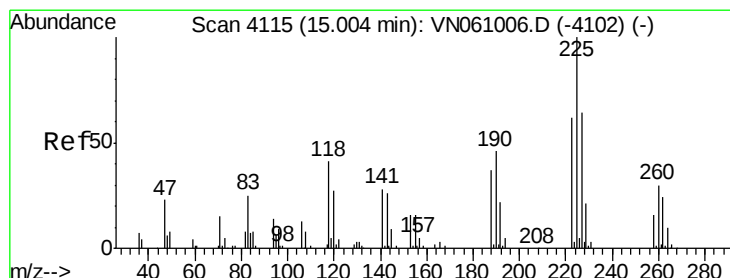
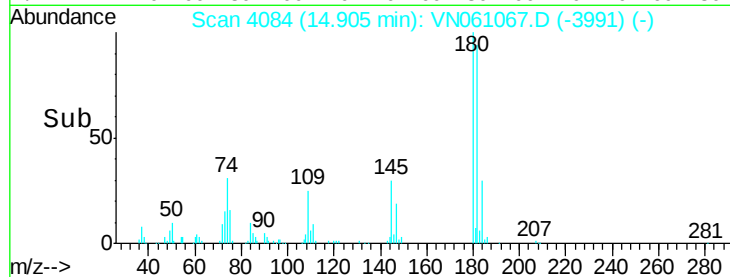
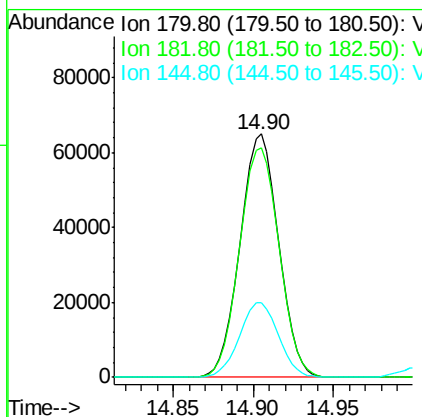
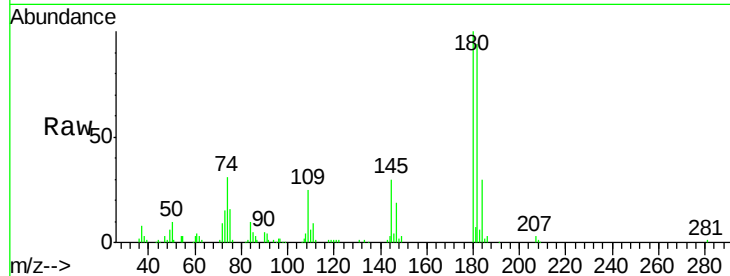
#93
 1,2,4-Trichlorobenzene
 Concen: 50.234 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106768		
182	96.9		47.8	143.3
145	31.1		15.3	45.8

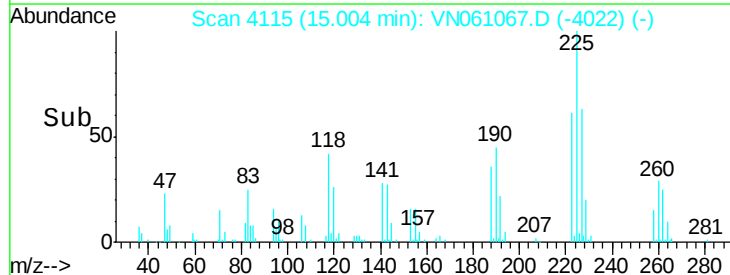
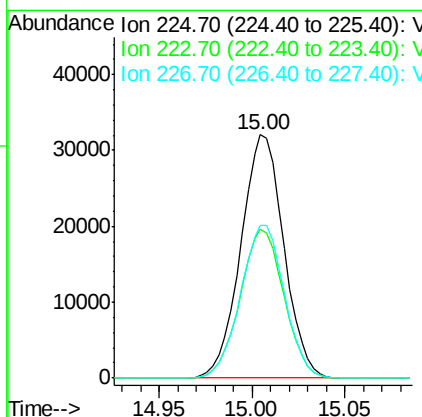
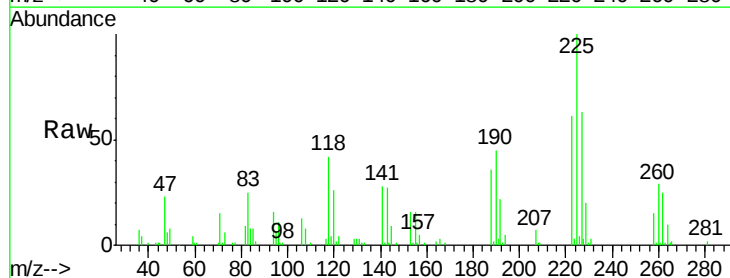
Manual Integrations
 APPROVED

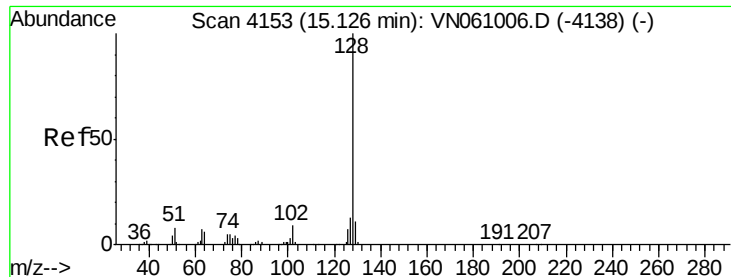
MMDadoda
 4/20/2020 10:21:17 AM



#94
 Hexachlorobutadiene
 Concen: 47.357 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061067.D
 Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51779		
223	62.2		31.3	93.8
227	64.0		31.9	95.5





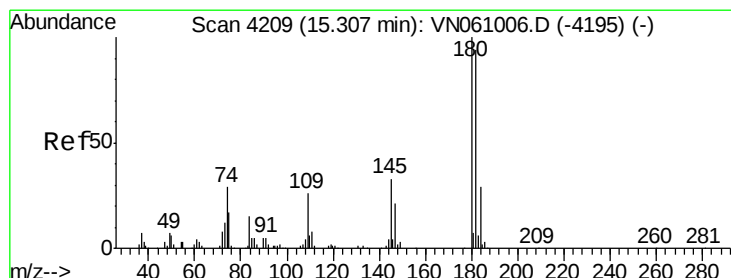
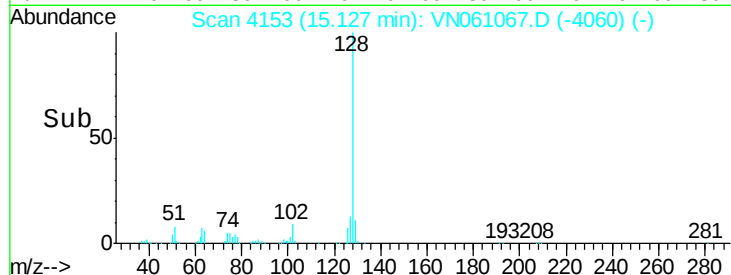
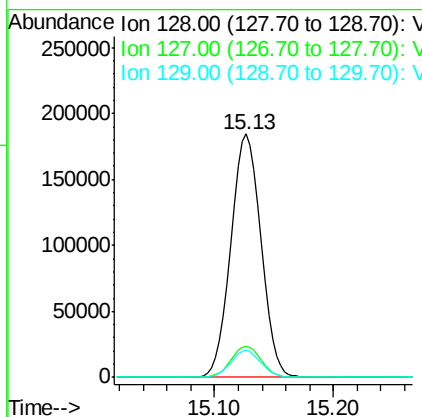
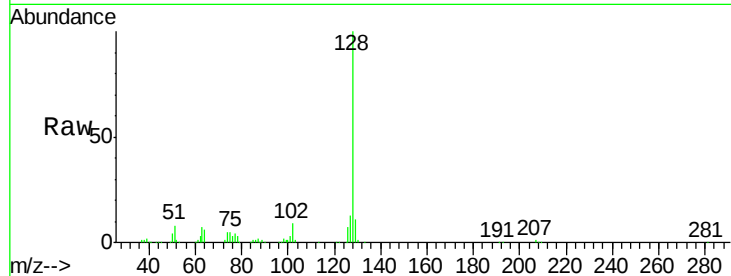
#95
Naphthalene
Concen: 52.254 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:21:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.587 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN061067.D
Acq: 17 Apr 2020 21:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.8
145	32.8	16.4	49.2

