

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061118.D
 Acq On : 20 Apr 2020 22:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:46 PM

Quant Time: Apr 21 06:45:30 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	154511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	261097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110986	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	93781	47.44	ug/l	0.00
Spiked Amount						
			Recovery	=	94.88%	
35) Dibromofluoromethane	7.56	113	74440	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	
50) Toluene-d8	10.08	98	271463	47.11	ug/l	0.00
Spiked Amount						
			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.39	95	107512	47.61	ug/l	0.00
Spiked Amount						
			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96914	47.474	ug/l	99
3) Chloromethane	2.04	50	129296	47.181	ug/l	99
4) Vinyl Chloride	2.17	62	108107	47.471	ug/l	98
5) Bromomethane	2.55	94	56265	49.267	ug/l	98
6) Chloroethane	2.69	64	65485	49.848	ug/l	100
7) Trichlorofluoromethane	3.00	101	140613	49.596	ug/l	99
8) Diethyl Ether	3.38	74	55003	48.812	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80292	48.270	ug/l	100
10) Methyl Iodide	3.93	142	75054	51.145	ug/l	98
11) Tert butyl alcohol	4.73	59	68827	196.229	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81855	48.411	ug/l	99
13) Acrolein	3.57	56	67290	227.214	ug/l	100
14) Allyl chloride	4.29	41	146041	45.649	ug/l	98
15) Acrylonitrile	4.94	53	233246	245.261	ug/l	99
16) Acetone	3.78	43	185072	212.697	ug/l	99
17) Carbon Disulfide	4.03	76	248999	47.062	ug/l	98
18) Methyl Acetate	4.28	43	140255	51.404	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	284293	48.221	ug/l	98
20) Methylene Chloride	4.52	84	92552	48.717	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	88738	49.068	ug/l	97
22) Diisopropyl ether	5.91	45	328307	49.411	ug/l	99
23) Vinyl Acetate	5.86	43	1254491	240.769	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174795	48.708	ug/l	100
25) 2-Butanone	6.79	43	304757	228.566	ug/l	99
26) 2,2-Dichloropropane	6.79	77	133795	44.778	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100896	48.595	ug/l	99
28) Bromochloromethane	7.17	49	80271	48.730	ug/l	100
29) Tetrahydrofuran	7.18	42	211035	233.138	ug/l	100
30) Chloroform	7.34	83	166769	49.823	ug/l	99
31) Cyclohexane	7.63	56	167974	45.615	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	143008	49.394	ug/l	99
36) 1,1-Dichloropropene	7.77	75	131607	48.846	ug/l	99
37) Ethyl Acetate	6.89	43	134128	45.847	ug/l	99
38) Carbon Tetrachloride	7.75	117	114953	51.257	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	153214	47.565	ug/l	99
40) Benzene	8.02	78	386871	48.401	ug/l	99
41) Methacrylonitrile	7.14	41	58791m	48.179	ug/l	
42) 1,2-Dichloroethane	8.10	62	135665	49.824	ug/l	100
43) Isopropyl Acetate	8.14	43	229294	48.191	ug/l	99
44) Trichloroethene	8.82	130	95821	47.710	ug/l	99
45) 1,2-Dichloropropane	9.10	63	104892	48.585	ug/l	99
46) Dibromomethane	9.19	93	62776	50.432	ug/l	99
47) Bromodichloromethane	9.38	83	131801	50.122	ug/l	99
48) Methyl methacrylate	9.18	41	102447	48.722	ug/l	99
49) 1,4-Dioxane	9.18	88	20681	712.352	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	667746	243.448	ug/l	100
52) Toluene	10.14	92	234536	48.911	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	150858	49.389	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	161902	48.579	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	90262	49.741	ug/l	98
56) Ethyl methacrylate	10.42	69	143439	50.268	ug/l	99
57) 1,3-Dichloropropane	10.70	76	160019	49.438	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	300055	231.413	ug/l	100
59) 2-Hexanone	10.74	43	476265	240.769	ug/l	100
60) Dibromochloromethane	10.89	129	95819	51.403	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91912	49.707	ug/l	100
64) Tetrachloroethene	10.62	164	91419	49.548	ug/l	99
65) Chlorobenzene	11.42	112	237618	47.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86967	48.836	ug/l	99
67) Ethyl Benzene	11.50	91	451896	48.264	ug/l	99
68) m/p-Xylenes	11.61	106	331646	98.011	ug/l	99
69) o-Xylene	11.94	106	158355	48.674	ug/l	100
70) Styrene	11.96	104	263492	50.307	ug/l	99
71) Bromoform	12.12	173	67018	50.417	ug/l #	100
73) Isopropylbenzene	12.24	105	429412	48.294	ug/l	99
74) N-amyl acetate	12.06	43	192776	46.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	130599	48.116	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113607m	46.537	ug/l	
77) Bromobenzene	12.52	156	99885	48.113	ug/l	99
78) n-propylbenzene	12.58	91	509975	49.022	ug/l	100
79) 2-Chlorotoluene	12.67	91	295849	48.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	360515	49.053	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	43811	44.266	ug/l	99
82) 4-Chlorotoluene	12.77	91	308859	48.809	ug/l	100
83) tert-Butylbenzene	12.99	119	299711	48.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	360220	49.584	ug/l	100
85) sec-Butylbenzene	13.17	105	413589	49.385	ug/l	100
86) p-Isopropyltoluene	13.28	119	364772	48.914	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	178405	48.220	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	179483	48.221	ug/l	99
89) n-Butylbenzene	13.61	91	340204	49.057	ug/l	99
90) Hexachloroethane	13.87	117	56605	49.473	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	173526	49.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25478	48.502	ug/l	98

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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	104947	50.213	ug/l	100
94) Hexachlorobutadiene	15.00	225	50058	46.558	ug/l	99
95) Naphthalene	15.13	128	300638	49.323	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	100004	49.650	ug/l	100

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

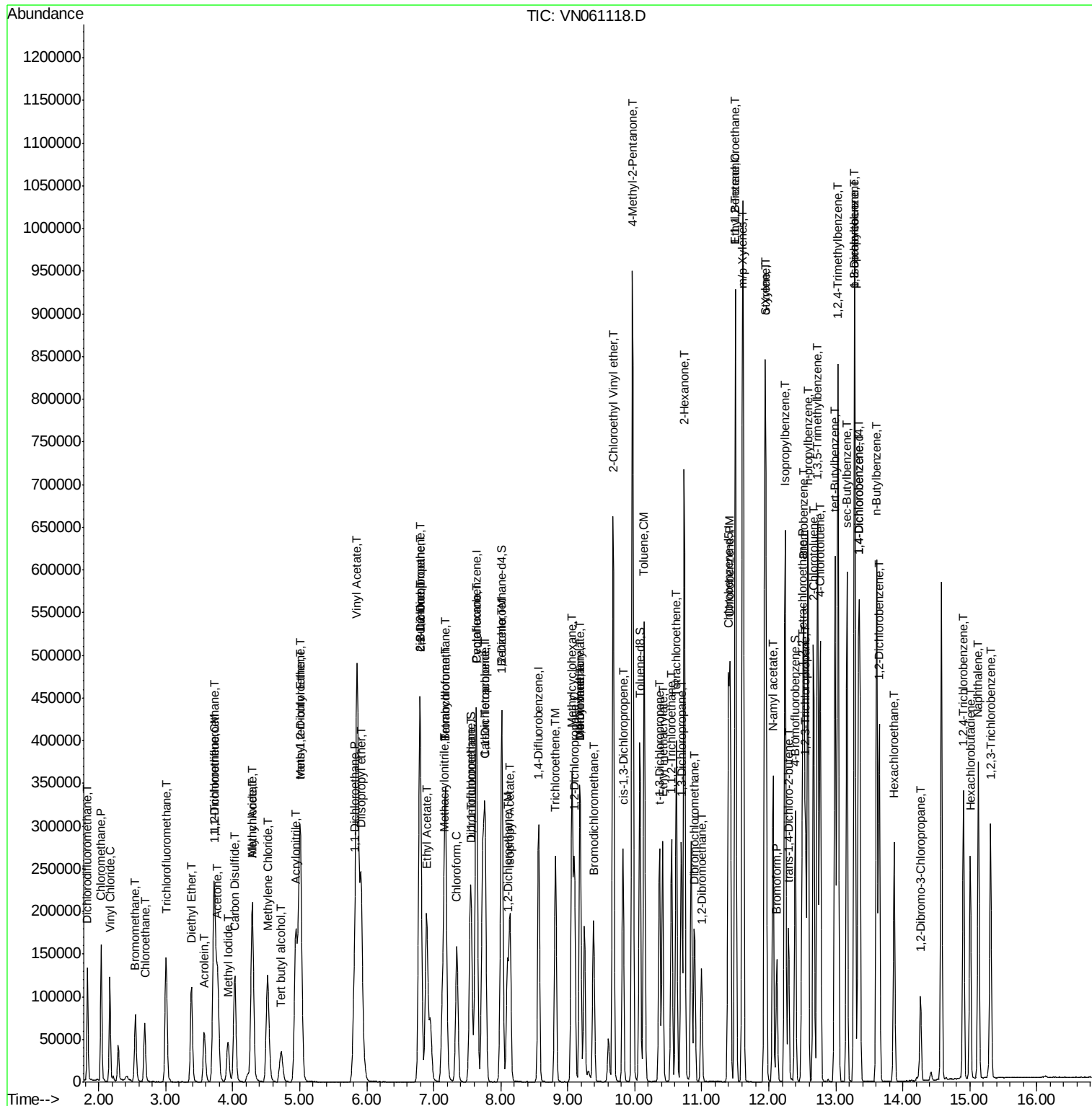
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
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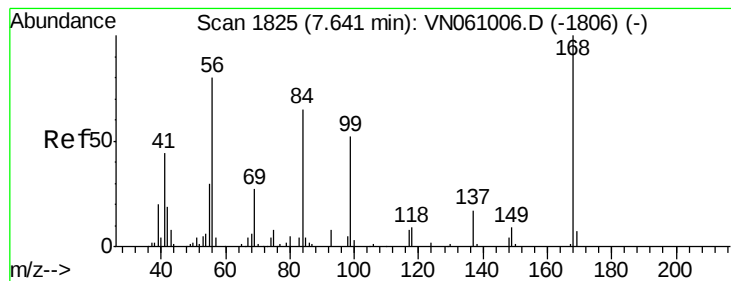
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 154511

Ion Ratio Lower Upper

168 100

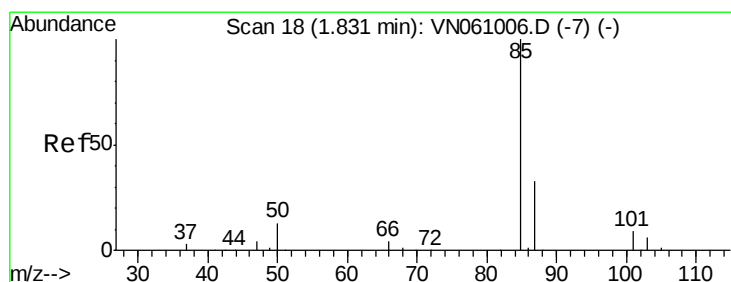
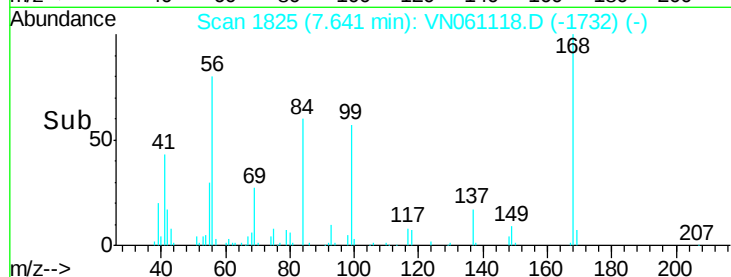
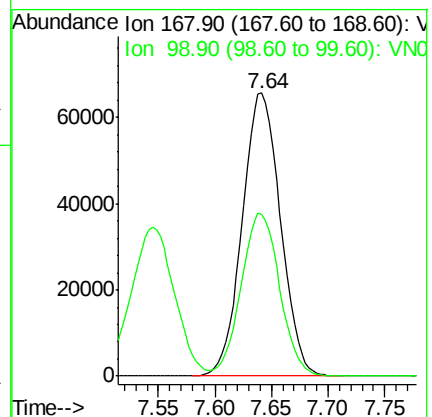
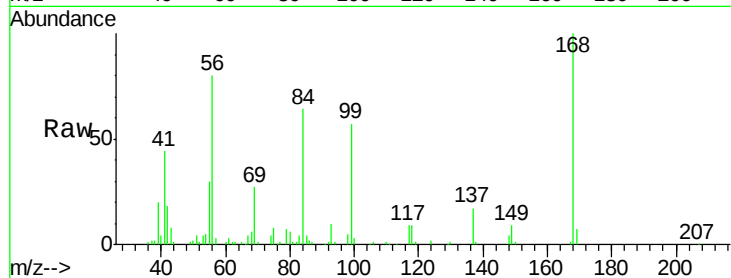
99 57.2 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.474 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061118.D

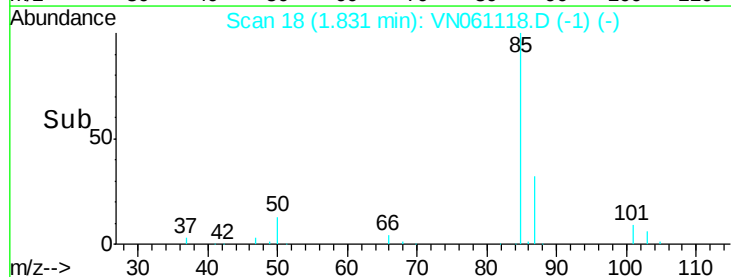
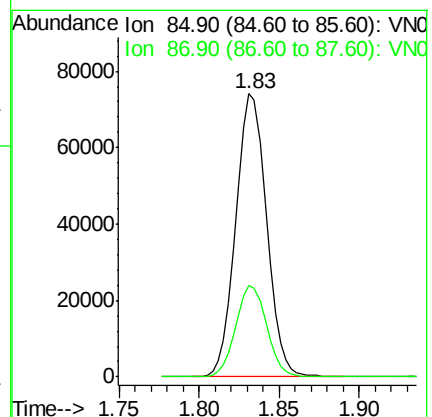
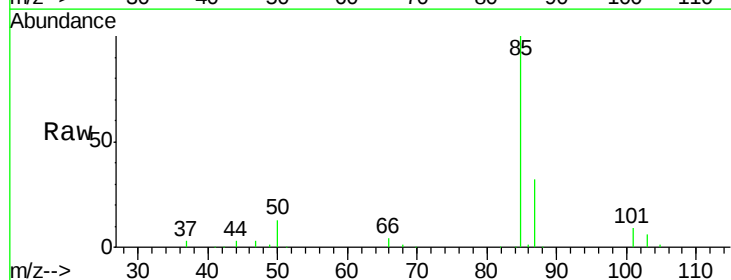
Acq: 20 Apr 2020 22:16

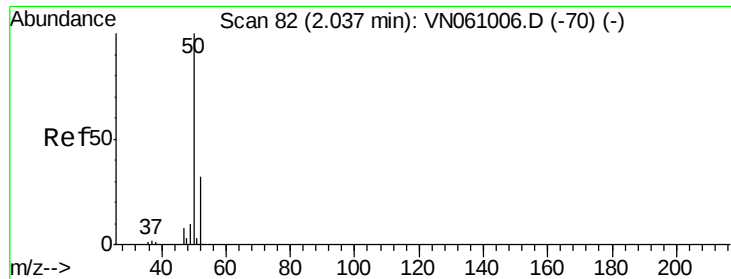
Tgt Ion: 85 Resp: 96914

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9





#3

Chloromethane

Concen: 47.181 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 129296

Ion Ratio Lower Upper

50 100

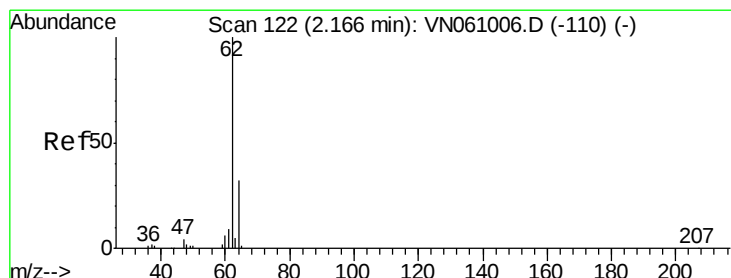
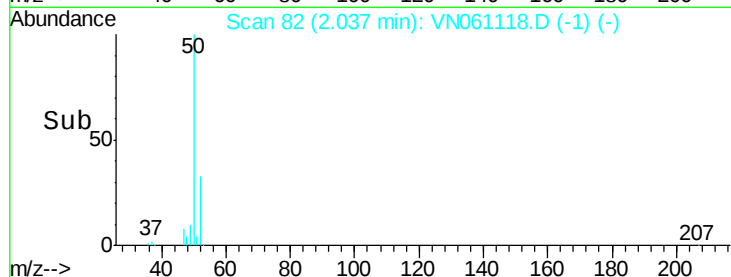
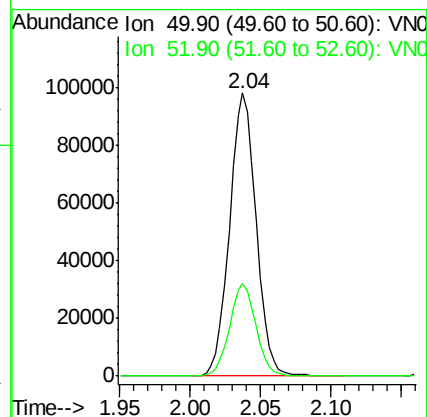
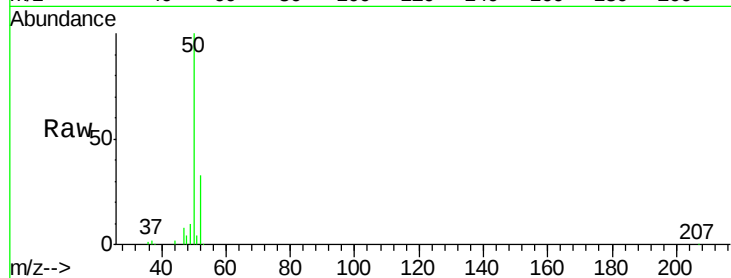
52 32.7 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.471 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061118.D

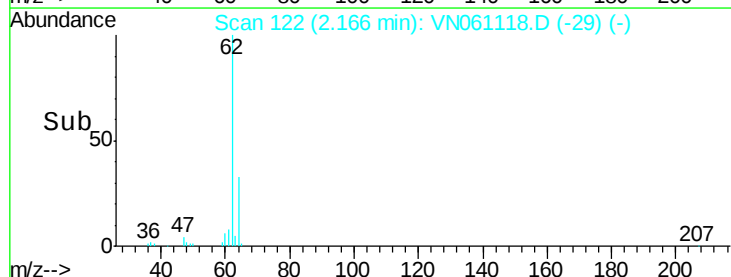
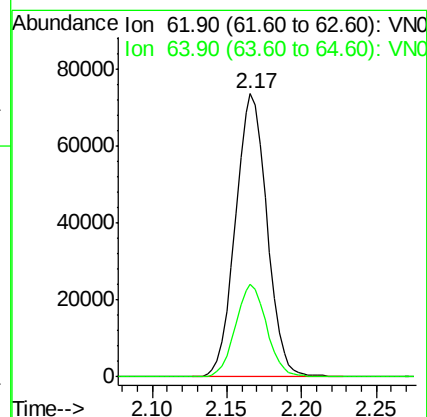
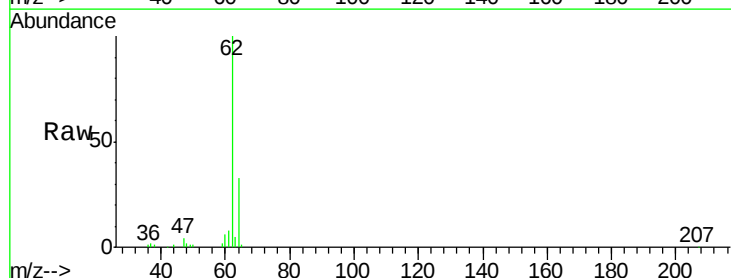
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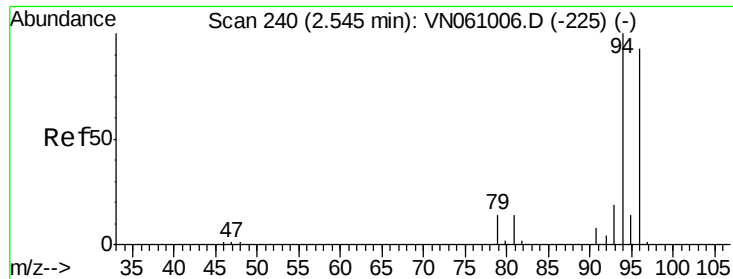
Tgt Ion: 62 Resp: 108107

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0





#5

Bromomethane

Concen: 49.267 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

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VSTDCCC050

Tot Ion: 94 Resp: 56265

Ion Ratio Lower Upper

94 100

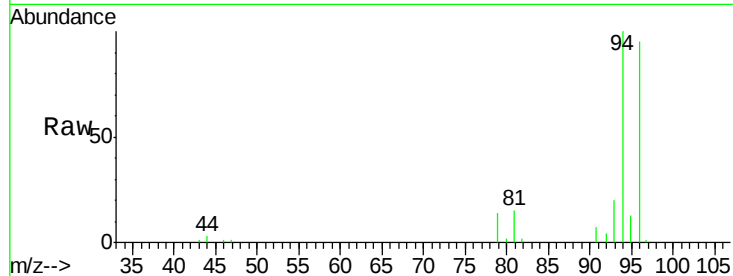
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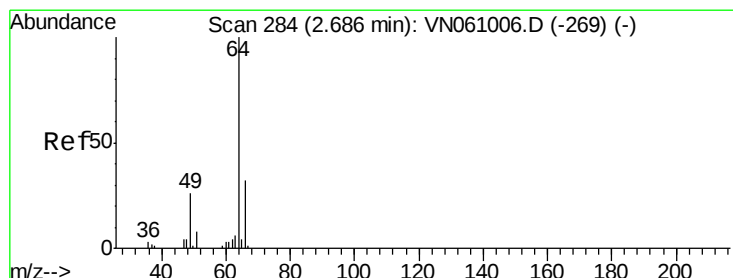
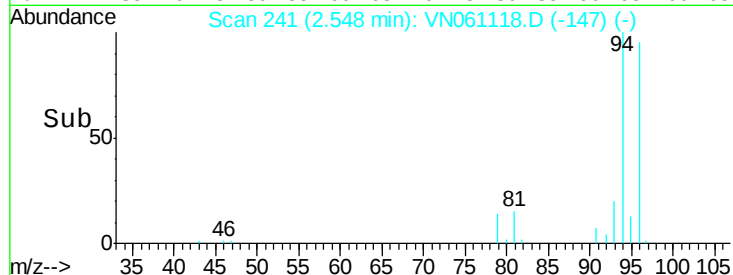
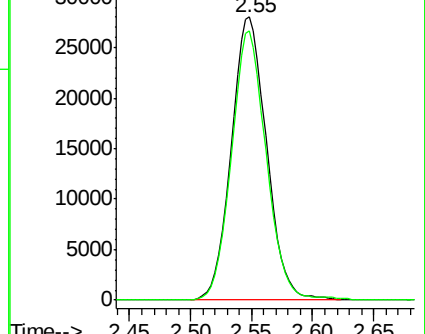
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.848 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061118.D

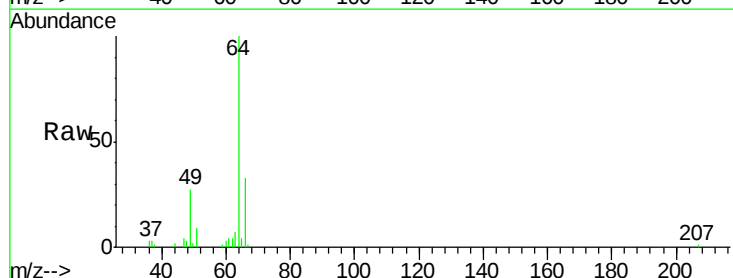
Acq: 20 Apr 2020 22:16

Tgt Ion: 64 Resp: 65485

Ion Ratio Lower Upper

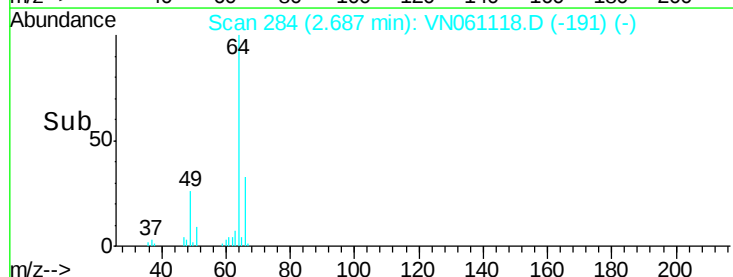
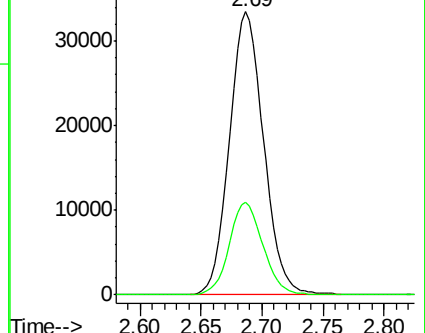
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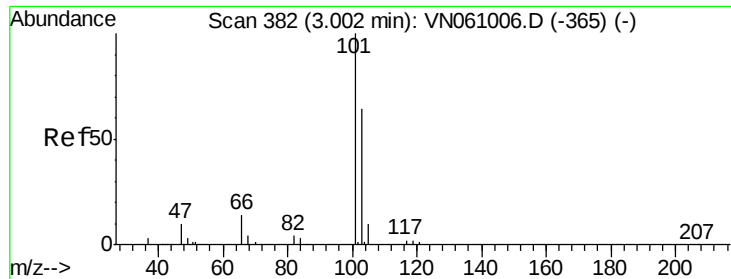
66 32.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

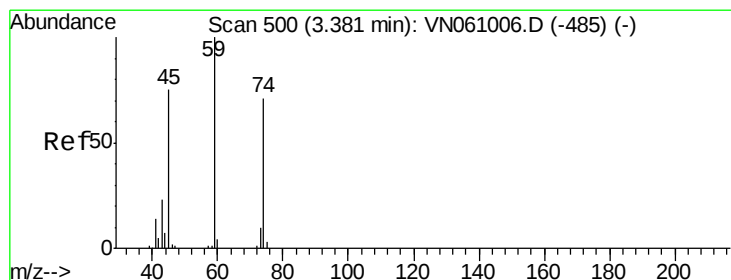
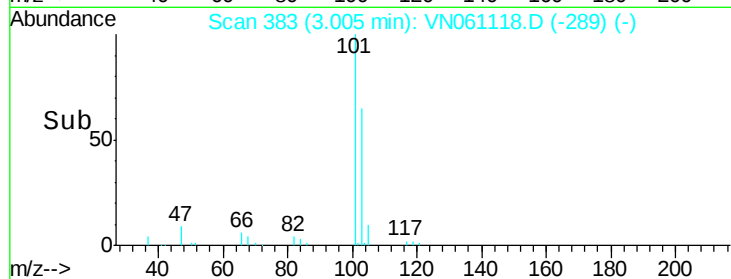
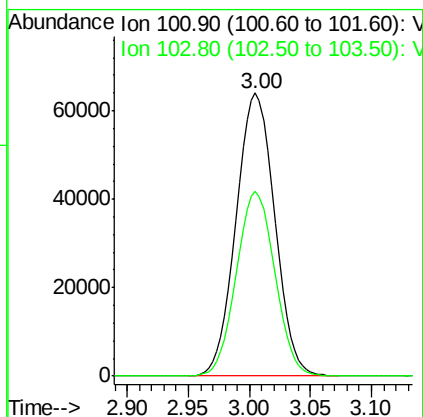
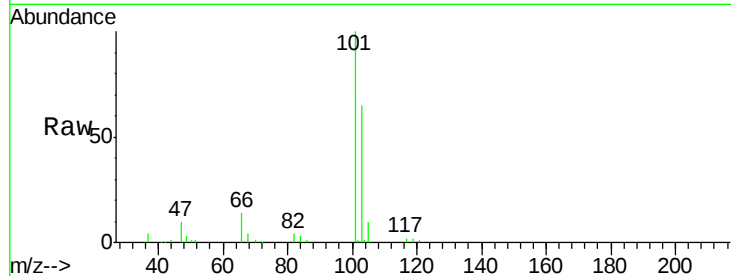
Trichlorofluoromethane
 Concen: 49.596 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

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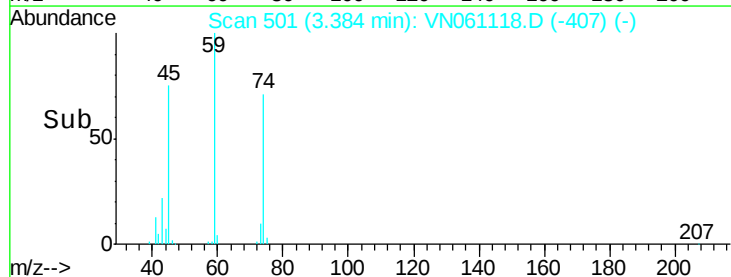
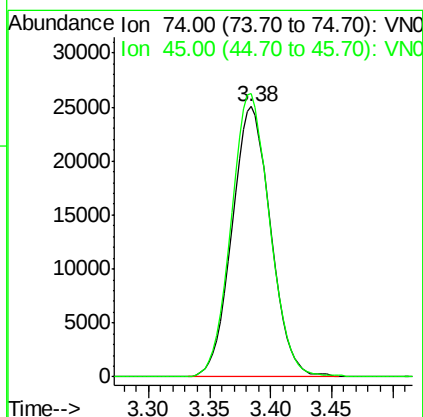
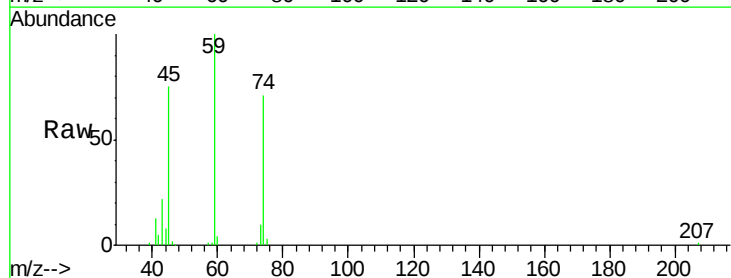
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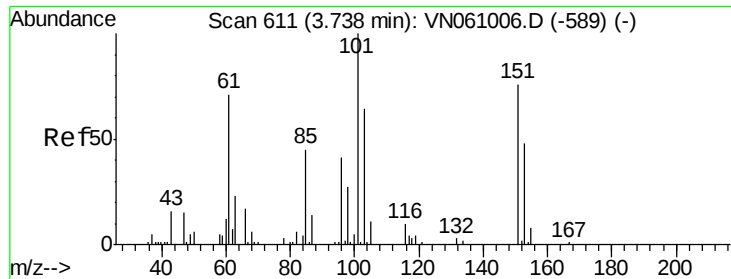


#8

Diethyl Ether
 Concen: 48.812 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.270 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

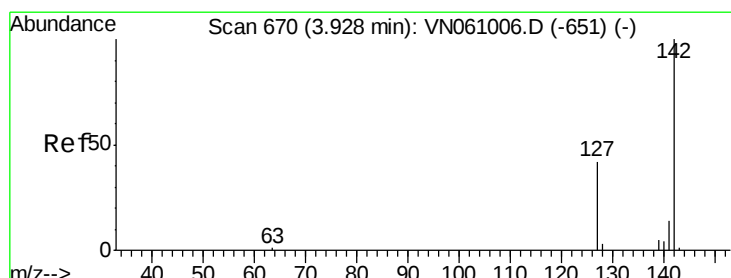
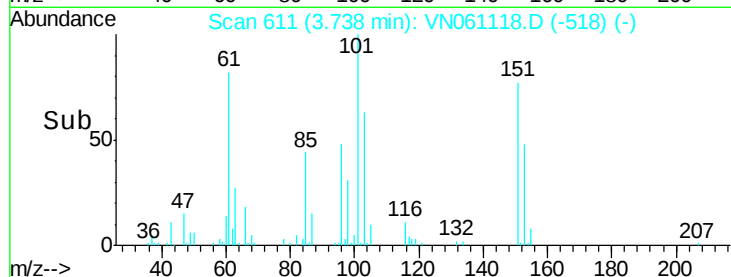
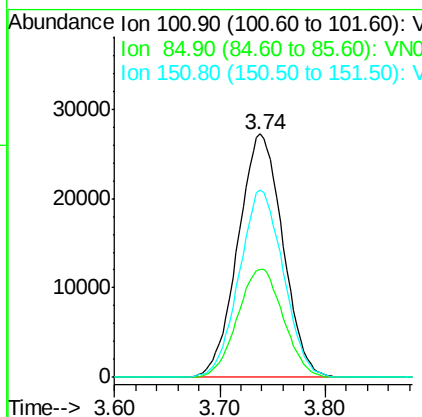
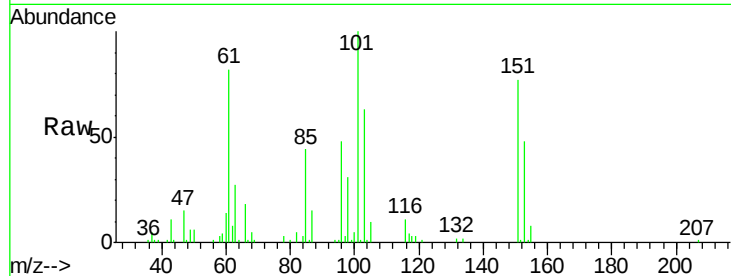
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	80292
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.9	53.9
151	75.9	60.8	91.2

Manual Integrations
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#10

Methyl Iodide

Concen: 51.145 ug/l

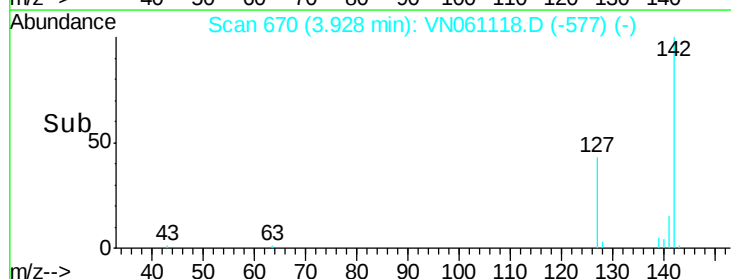
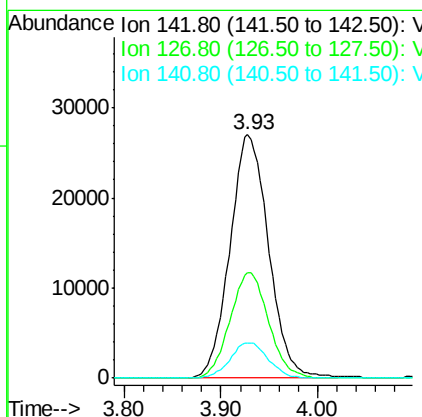
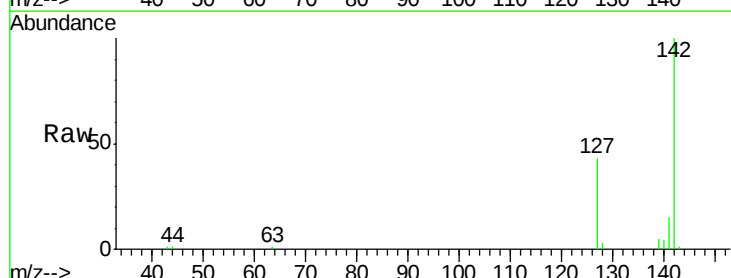
RT: 3.93 min Scan# 670

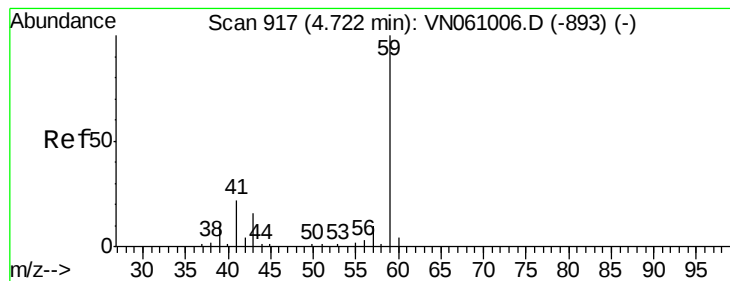
Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion:	142	Resp:	75054
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.4	50.2
141	14.2	11.0	16.6





#11

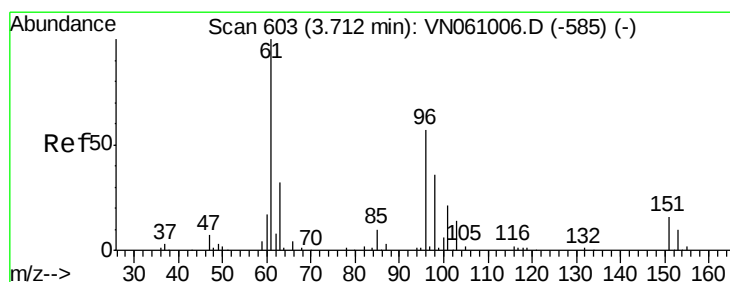
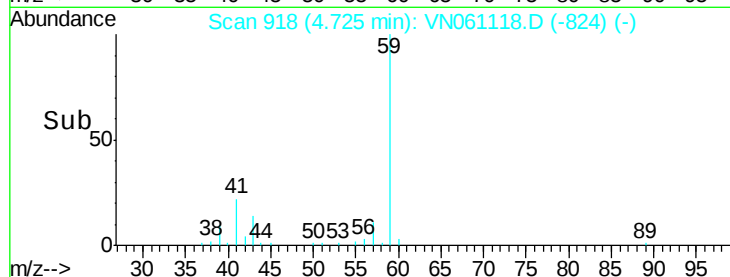
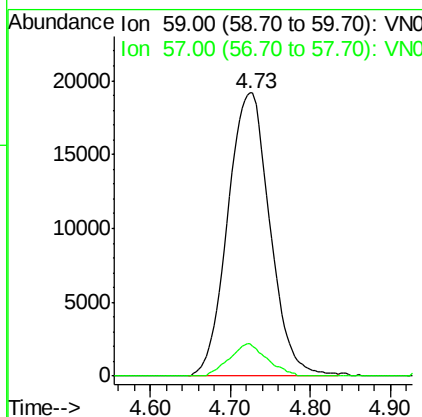
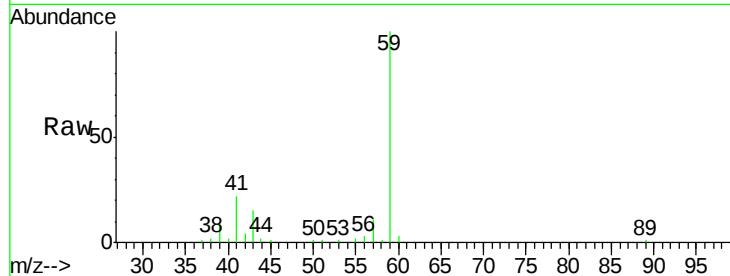
Tert butyl alcohol
 Concen: 196.229 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

Manual Integrations
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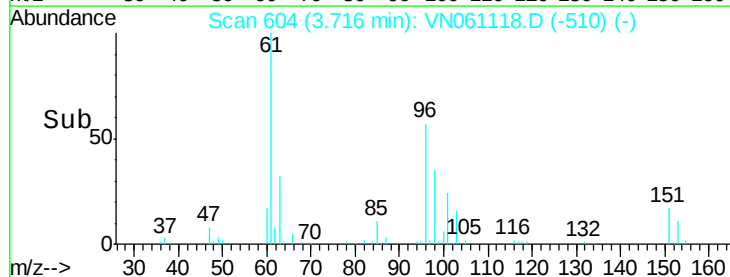
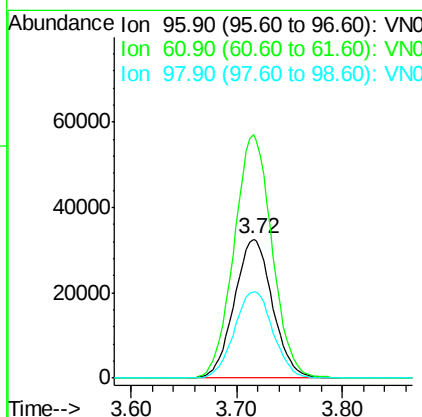
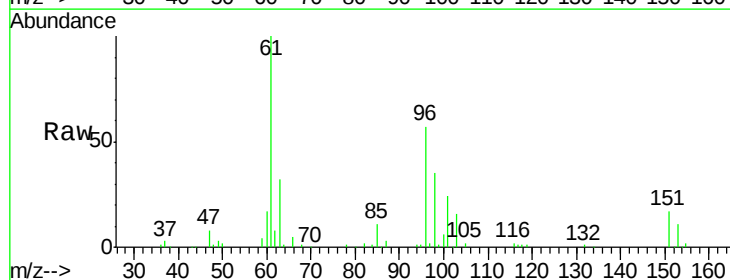
MMDadoda
 4/21/2020 12:02:46 PM

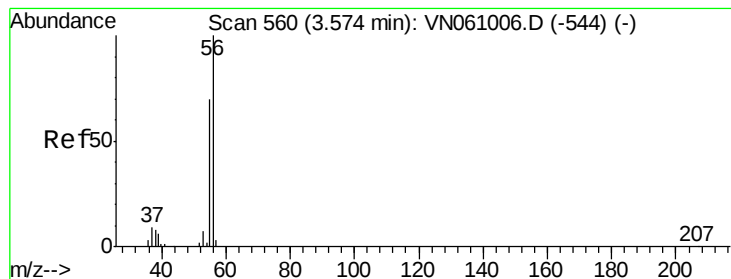


#12

1,1-Dichloroethene
 Concen: 48.411 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	139.2	208.8
98	62.2	50.0	75.0





#13

Acrolein

Concen: 227.214 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67290

Ion Ratio Lower Upper

56 100

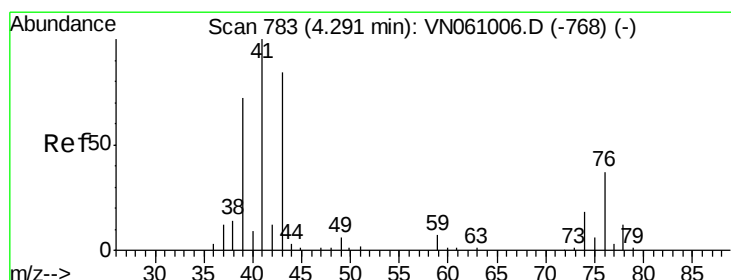
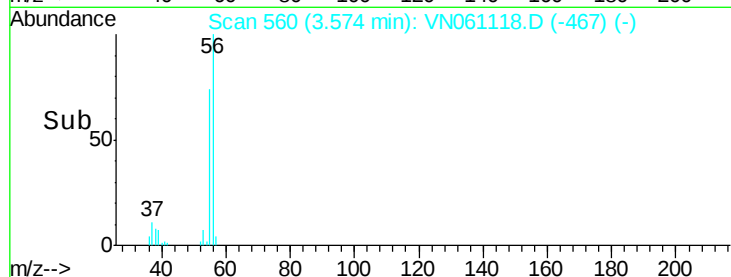
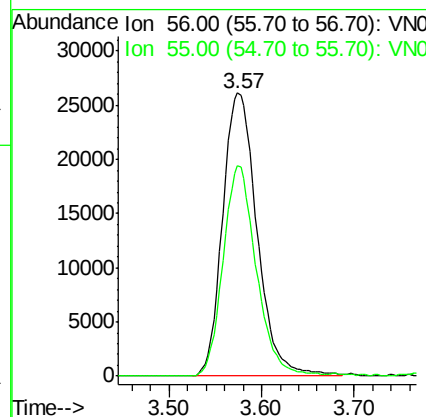
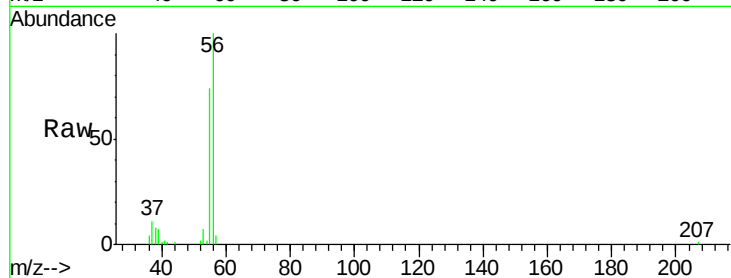
55 71.6 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.649 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

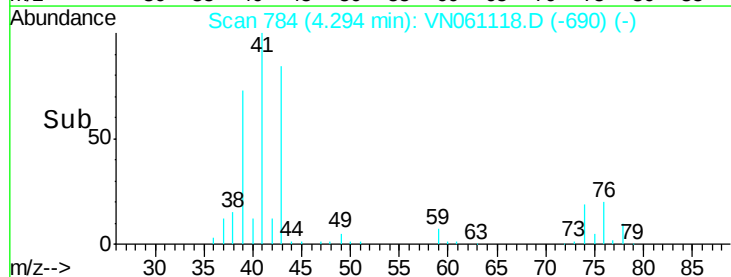
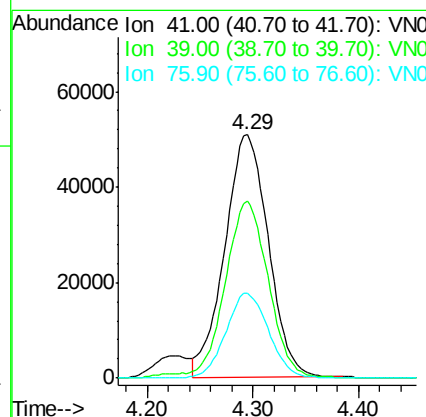
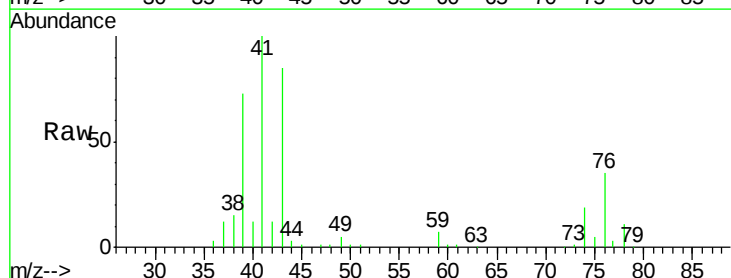
Tgt Ion: 41 Resp: 146041

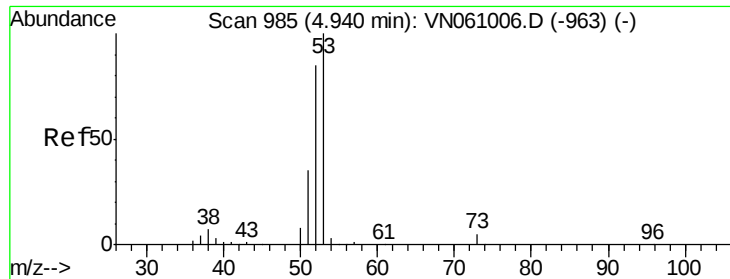
Ion Ratio Lower Upper

41 100

39 73.0 56.3 84.5

76 34.3 27.7 41.5





#15

Acrylonitrile

Concen: 245.261 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

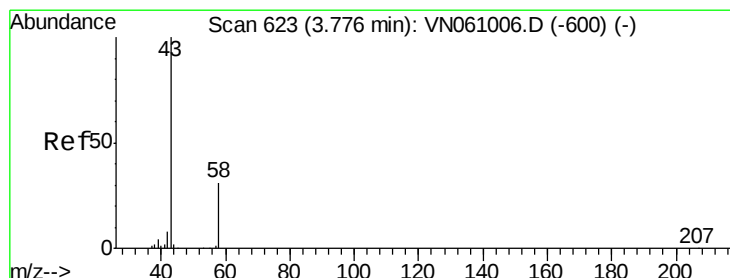
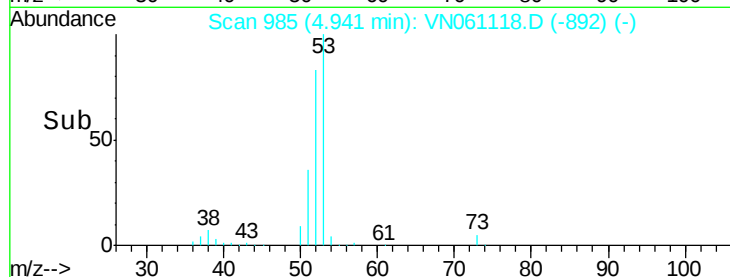
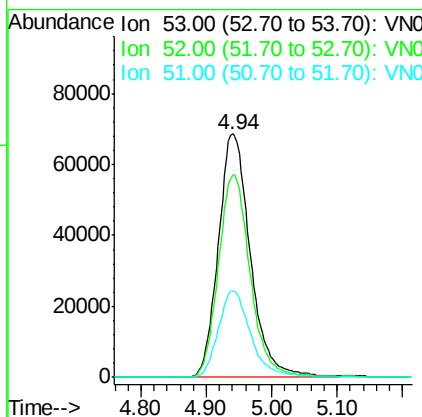
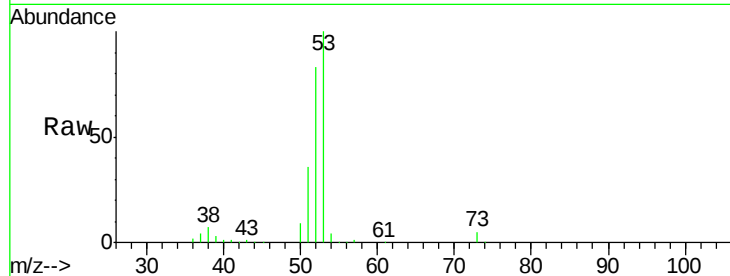
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	233246
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.8	100.2
51	36.1	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 212.697 ug/l

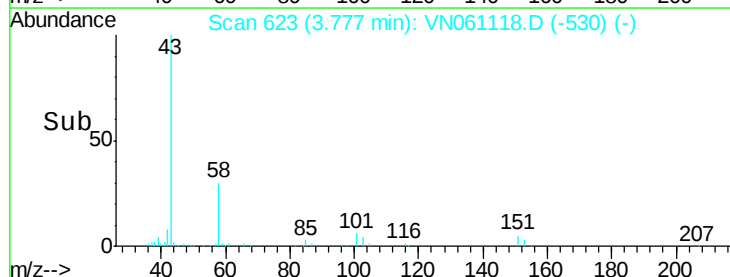
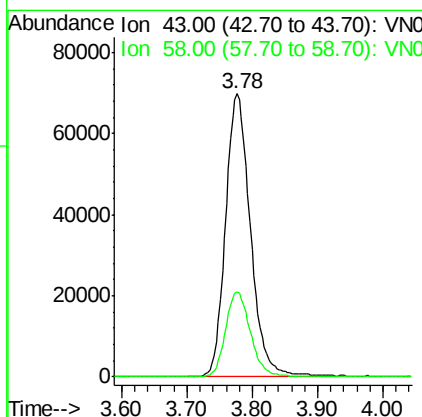
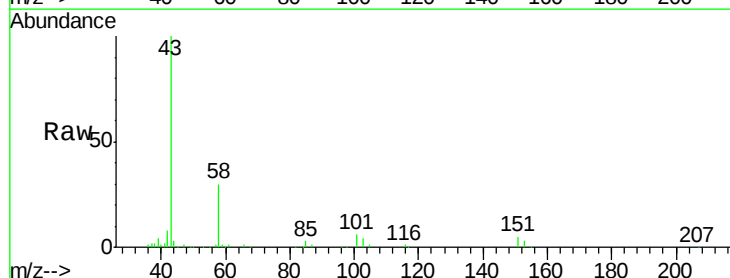
RT: 3.78 min Scan# 623

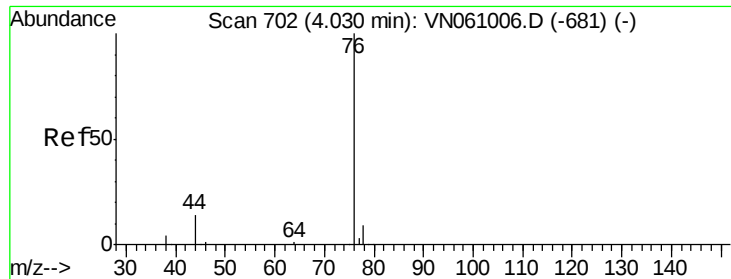
Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion:	43	Resp:	185072
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.6	37.0





#17

Carbon Disulfide

Concen: 47.062 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 248999

Ion Ratio Lower Upper

76 100

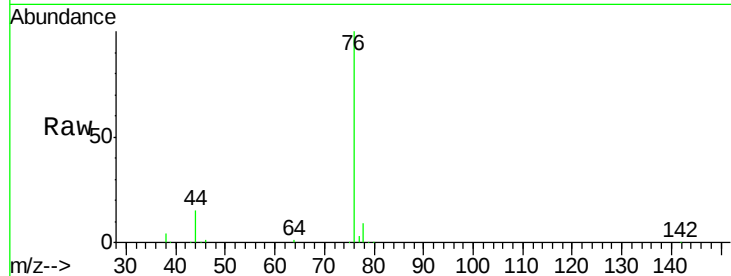
78 8.9 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061118.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN061118.D (-681) (-)

4.03

100000

80000

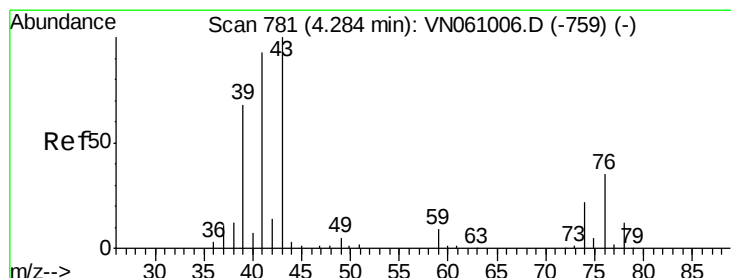
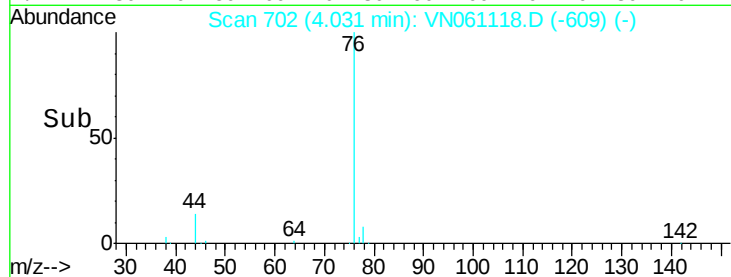
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.404 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061118.D

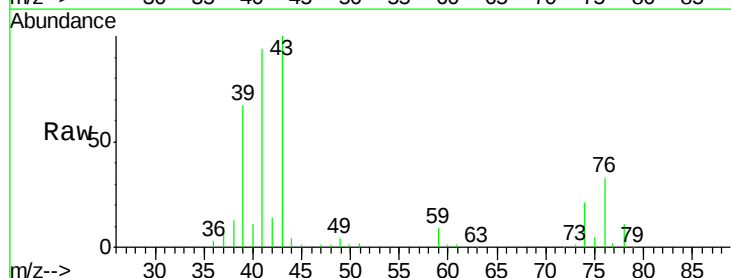
Acq: 20 Apr 2020 22:16

Tgt Ion: 43 Resp: 140255

Ion Ratio Lower Upper

43 100

74 21.8 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN061118.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN061118.D (-688) (-)

4.28

50000

40000

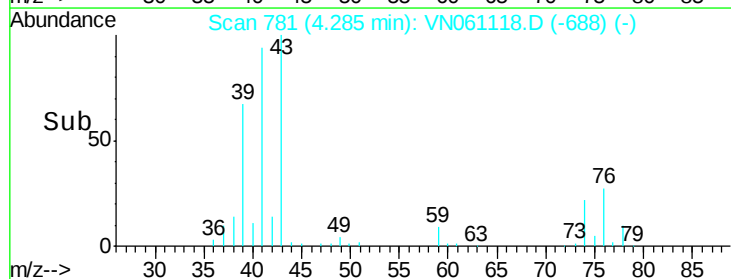
30000

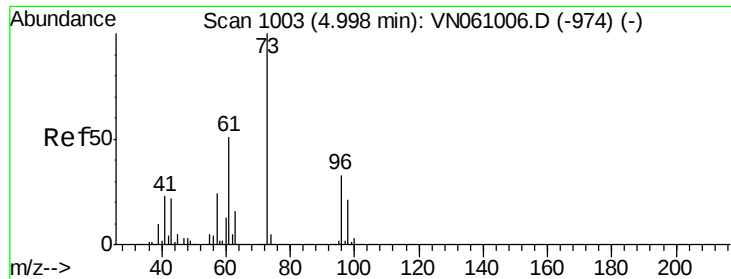
20000

10000

0

Time-->





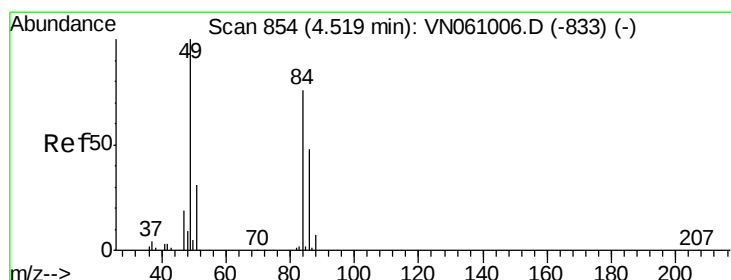
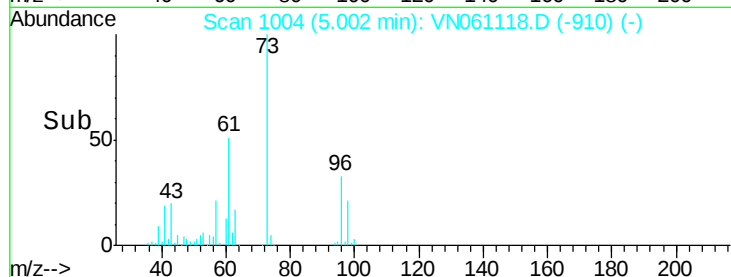
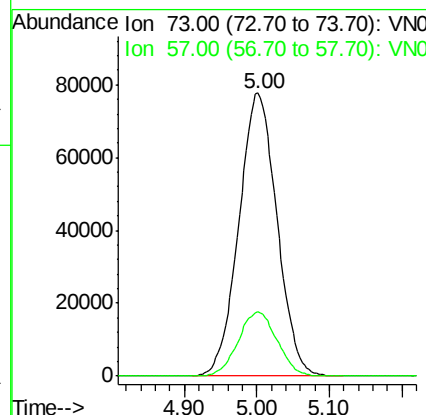
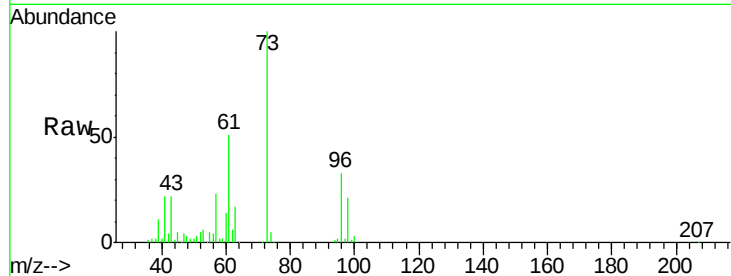
#19
Methvl tert-butvl Ether
Concen: 48.221 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 284293
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.4

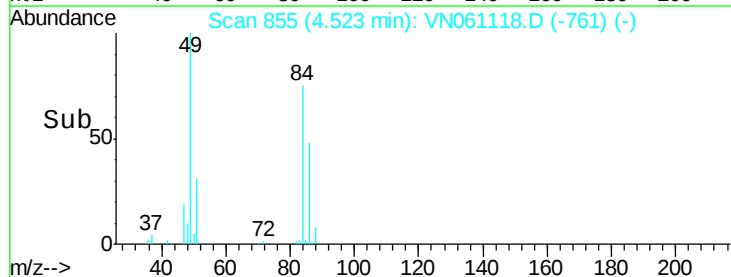
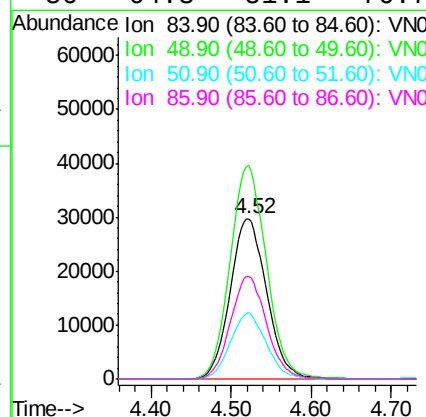
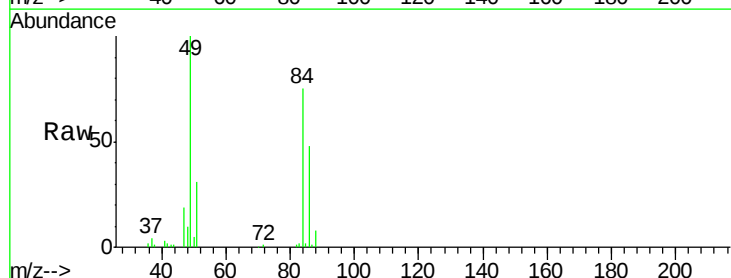
Manual Integrations
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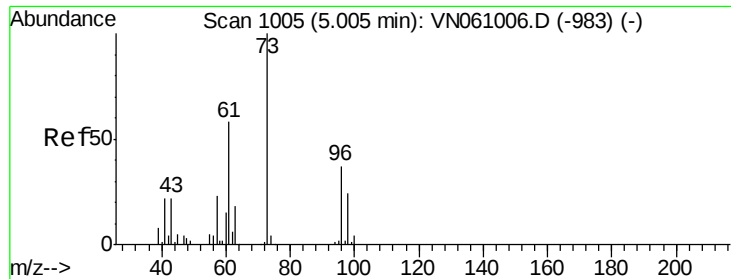
MMDadoda
4/21/2020 12:02:46 PM



#20
Methylene Chloride
Concen: 48.717 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 84 Resp: 92552
Ion Ratio Lower Upper
84 100
49 133.3 105.8 158.6
51 41.4 32.4 48.6
86 64.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.068 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

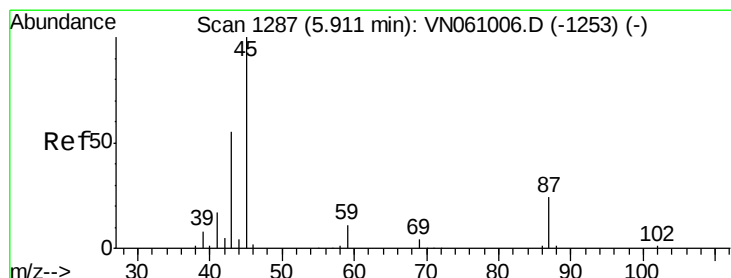
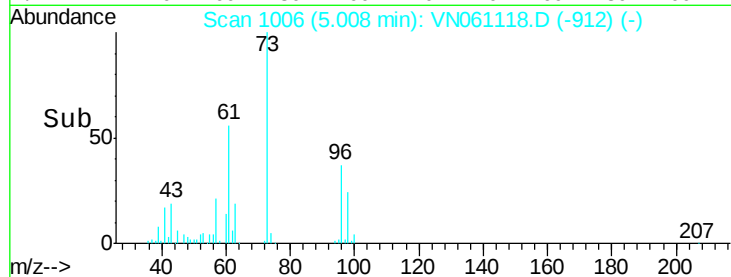
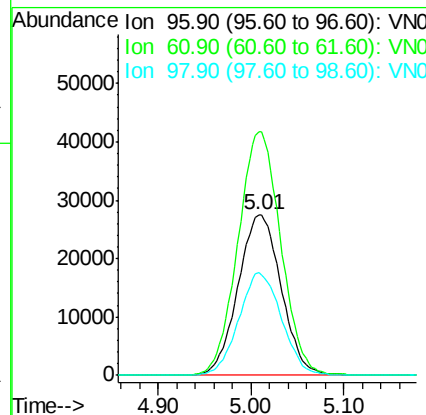
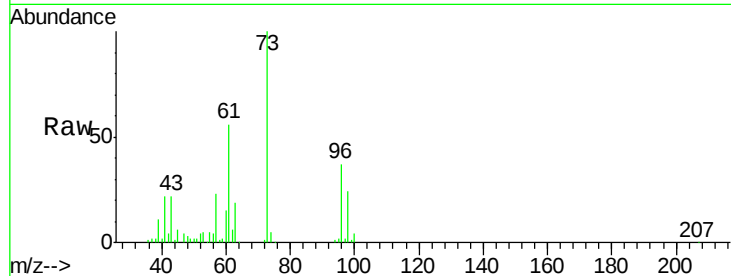
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	88738
Ion	Ratio	Lower	Upper
96	100		
61	151.2	124.8	187.2
98	63.6	51.3	76.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.411 ug/l

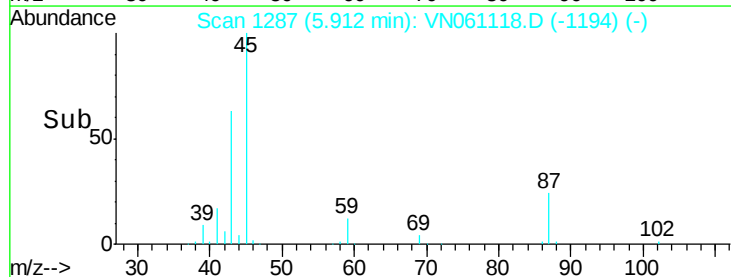
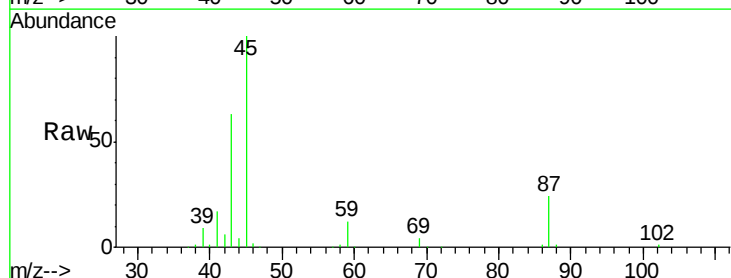
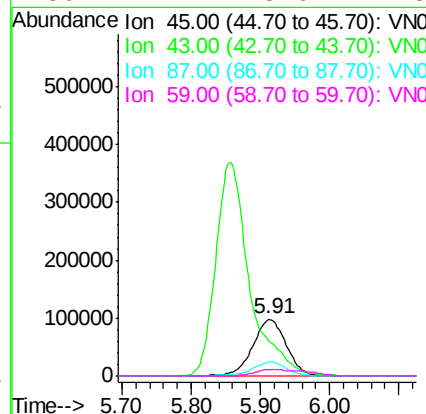
RT: 5.91 min Scan# 1287

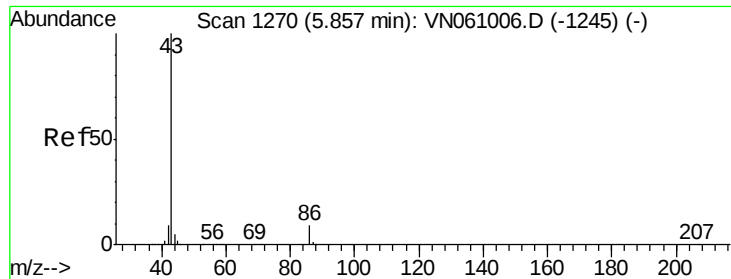
Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion:	45	Resp:	328307
Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.6	72.8
87	24.5	19.4	29.2
59	11.4	8.6	12.8





#23

Vinyl Acetate

Concen: 240.769 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1254491

Ion Ratio Lower Upper

43 100

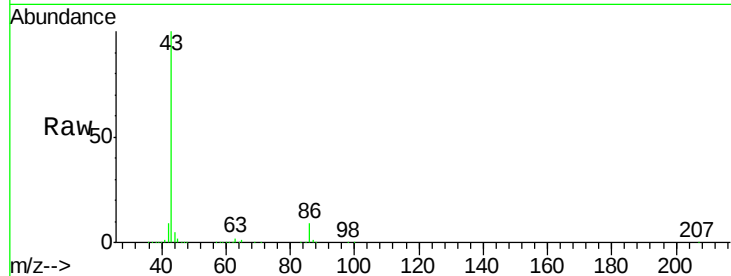
86 9.2 7.3 10.9

Manual Integrations

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MMDadoda

4/21/2020 12:02:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VN061118.D (-1177) (-)

Ion 86.00 (85.70 to 86.70): VN061118.D (-1177) (-)

5.86

400000

300000

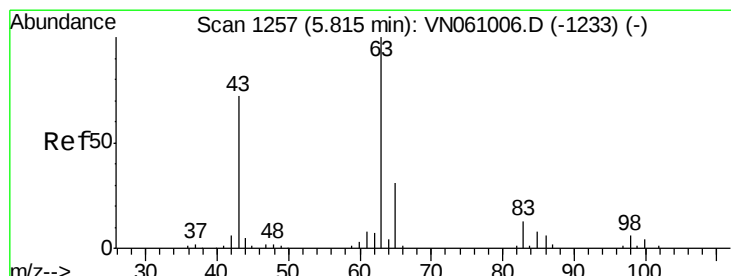
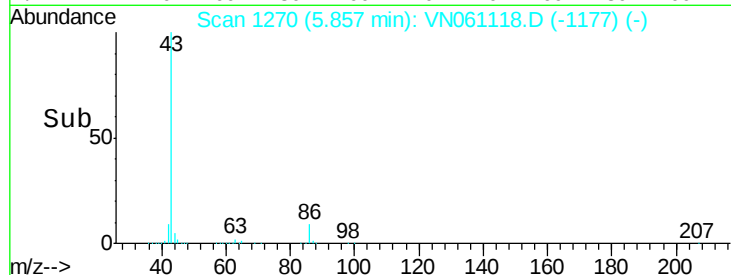
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 48.708 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

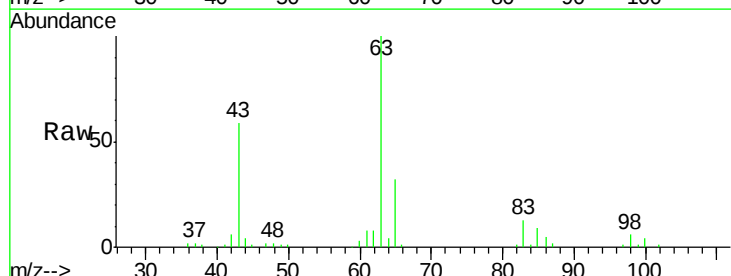
Tgt Ion: 63 Resp: 174795

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061118.D (-1164) (-)

Ion 97.90 (97.60 to 98.60): VN061118.D (-1164) (-)

Ion 99.90 (99.60 to 100.60): VN061118.D (-1164) (-)

5.82

60000

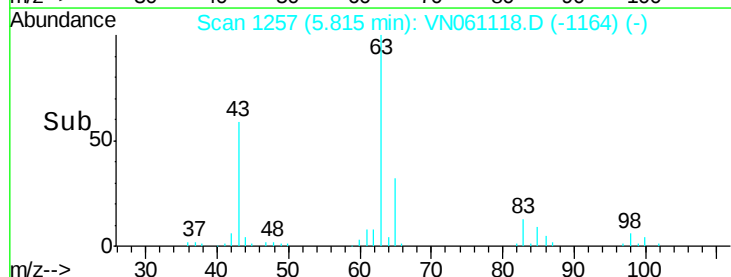
40000

20000

0

5.70 5.80 5.90

Time-->





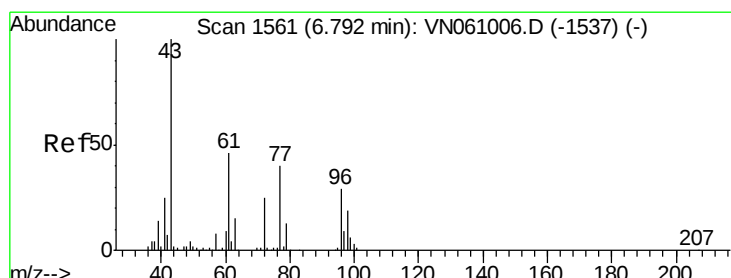
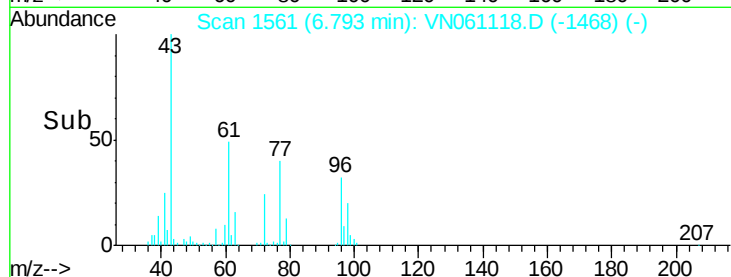
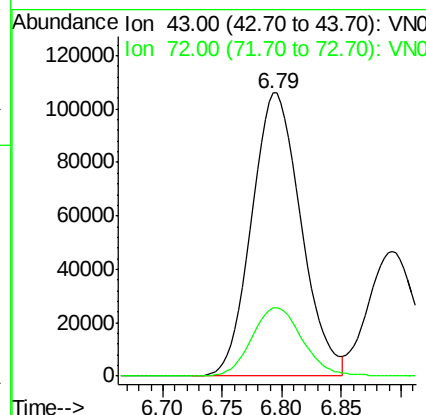
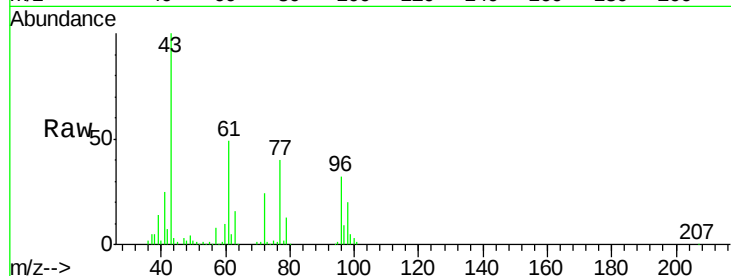
#25
2-Butanone
Concen: 228.566 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 304757
Ion Ratio Lower Upper
43 100
72 24.2 19.6 29.4

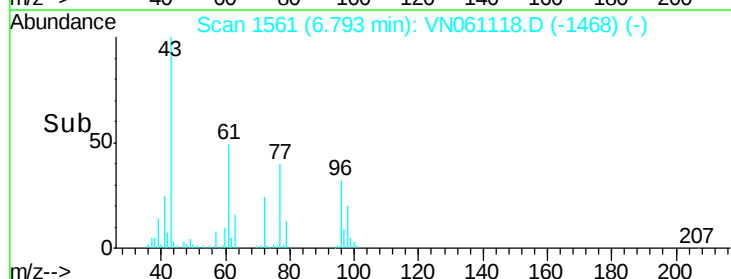
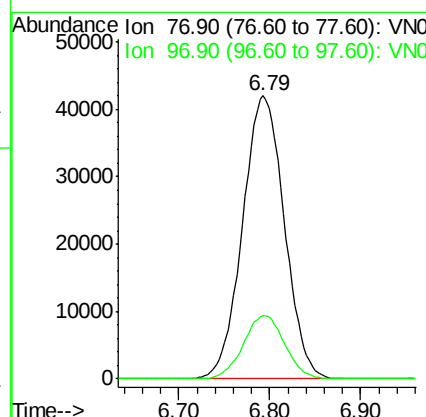
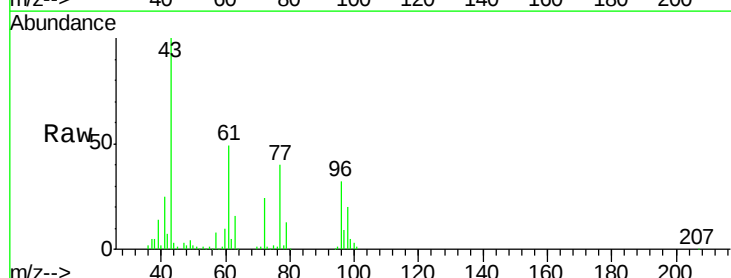
Manual Integrations
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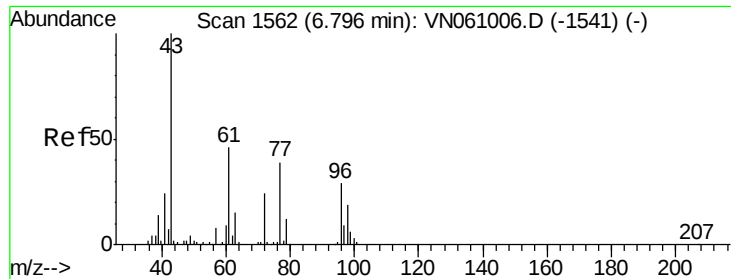
MMDadoda
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#26
2,2-Dichloropropane
Concen: 44.778 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 77 Resp: 133795
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.595 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

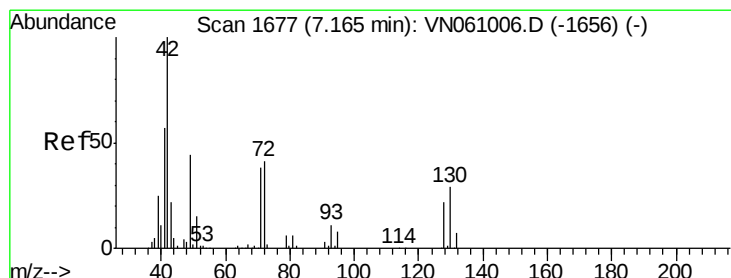
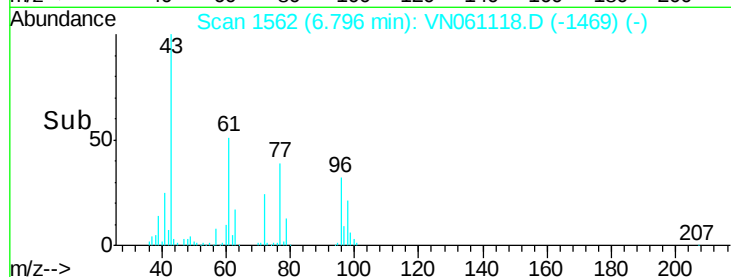
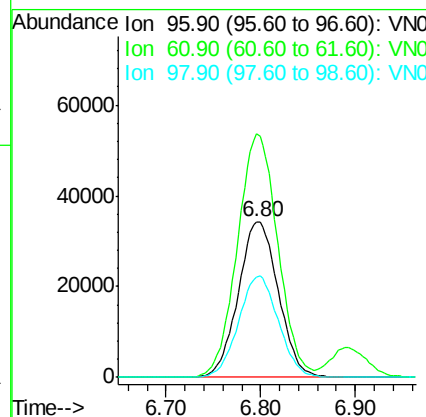
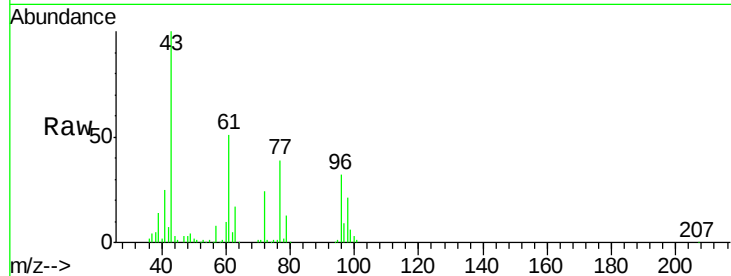
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	100896
Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	317.4
98	64.8	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.730 ug/l

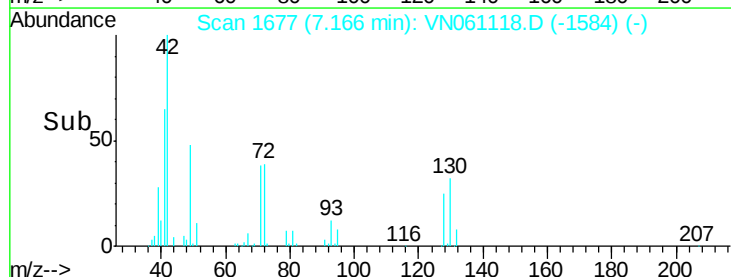
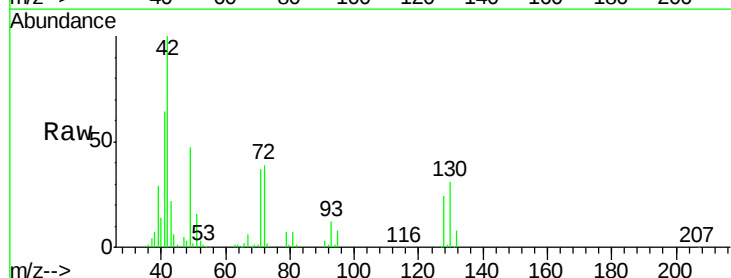
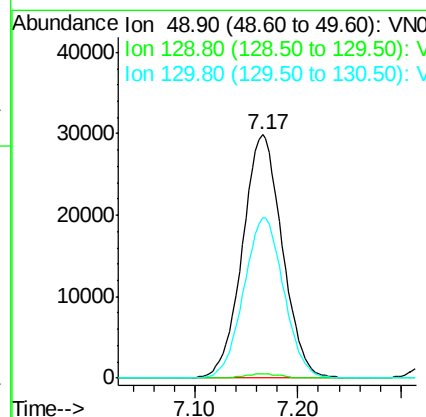
RT: 7.17 min Scan# 1677

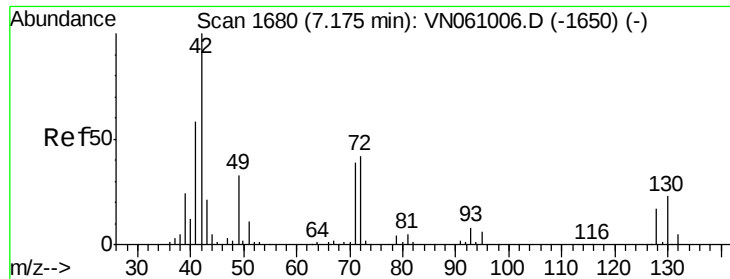
Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion:	49	Resp:	80271
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	66.1	52.9	79.3





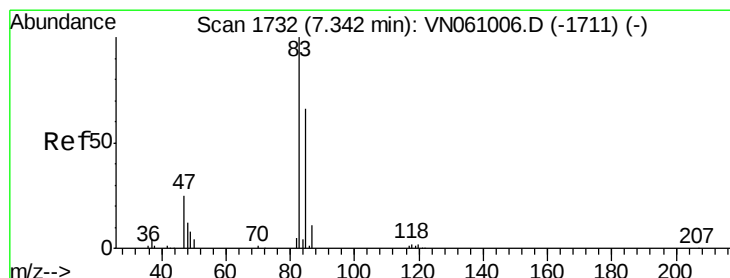
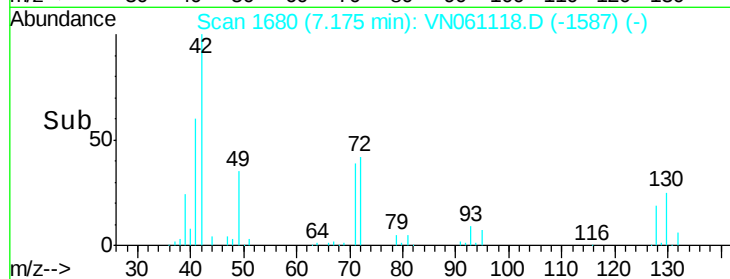
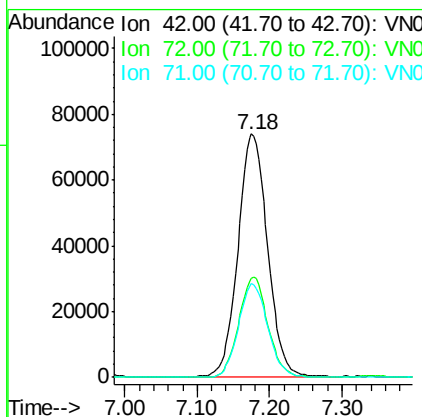
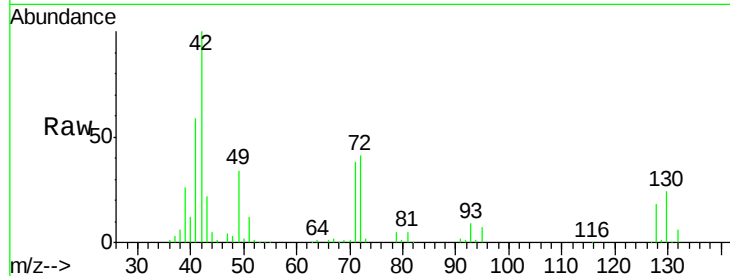
#29
Tetrahydrofuran
Concen: 233.138 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.1	48.1
71	37.8	30.5	45.7

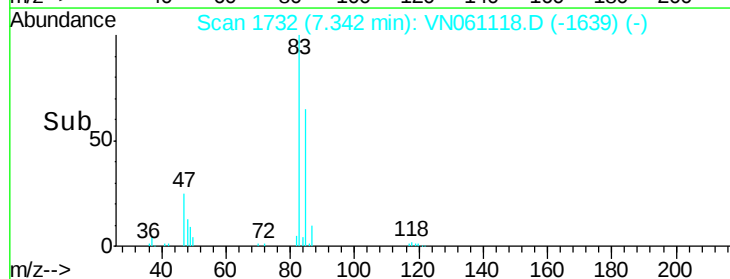
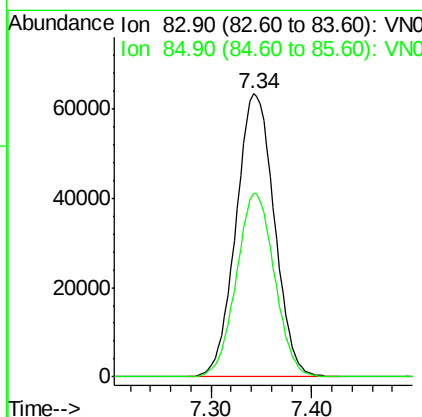
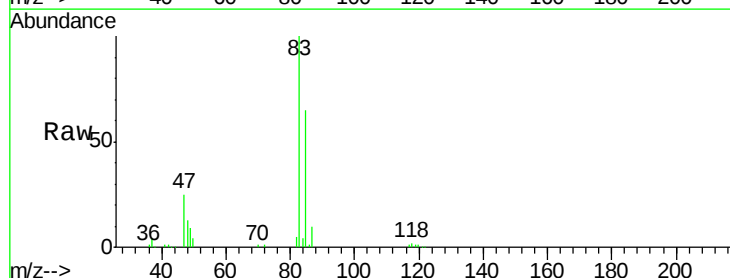
Manual Integrations
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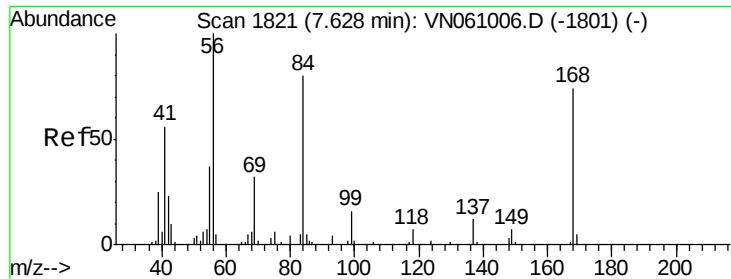
MMDadoda
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#30
Chloroform
Concen: 49.823 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2





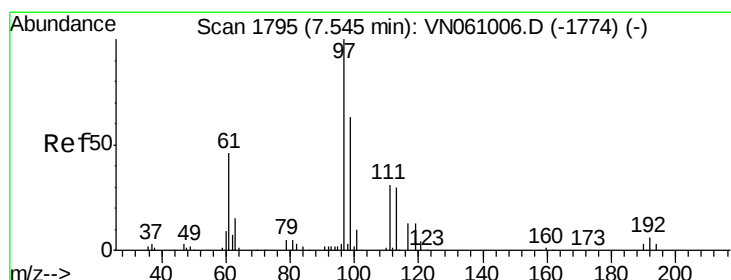
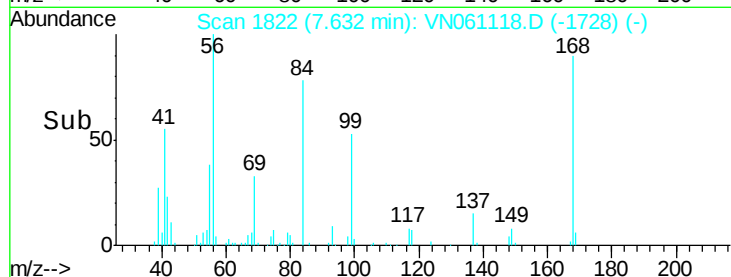
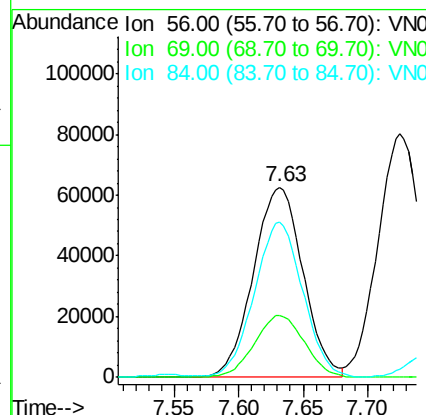
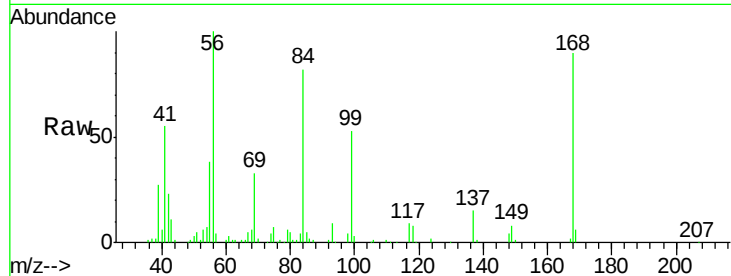
#31
Cyclohexane
Concen: 45.615 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.6	38.4
84	80.8	63.4	95.2

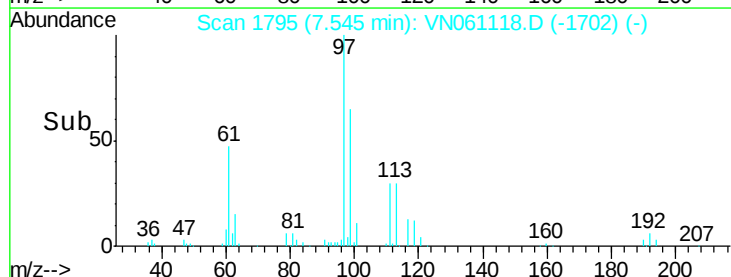
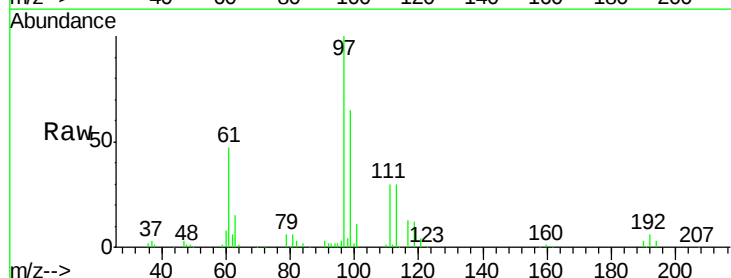
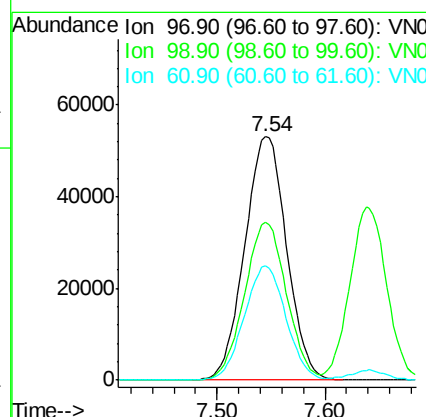
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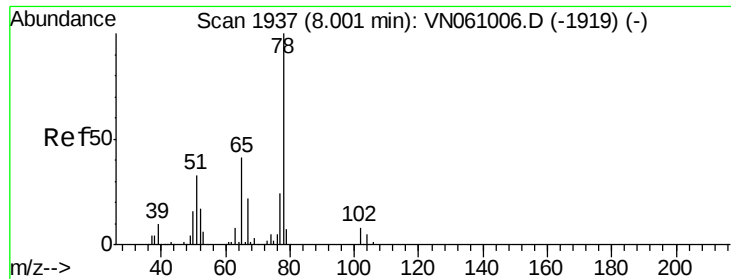
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#32
1,1,1-Trichloroethane
Concen: 49.394 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	46.9	37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 47.439 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 93781

Ion Ratio Lower Upper

65 100

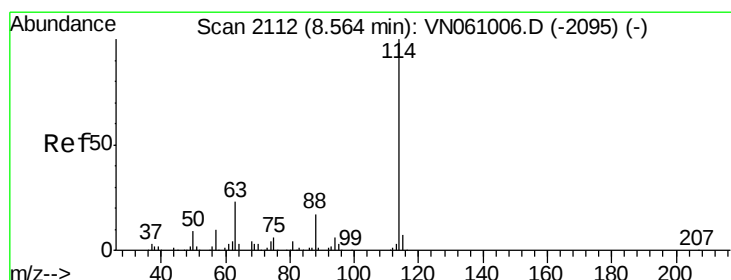
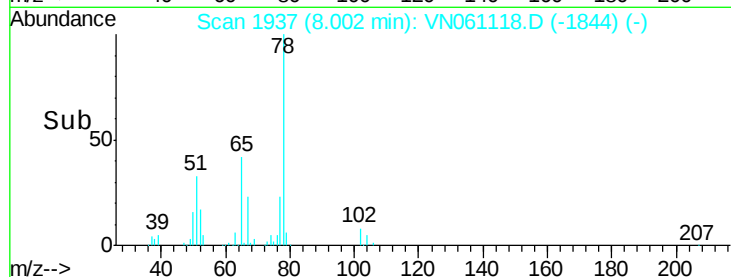
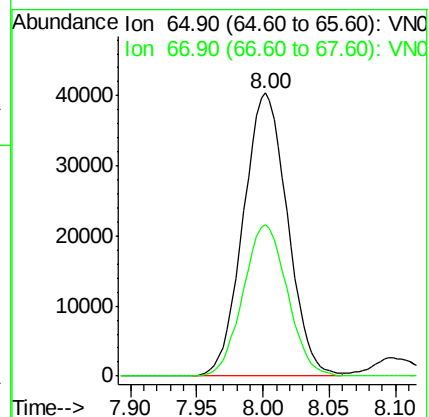
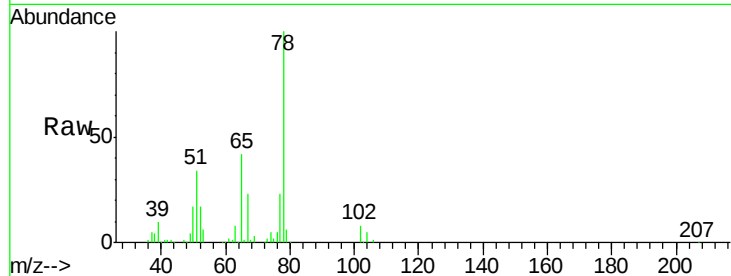
67 53.4 0.0 107.0

Manual Integrations

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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: VN061118.D

Acq: 20 Apr 2020 22:16

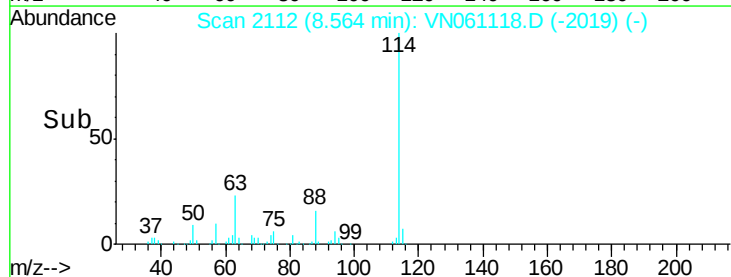
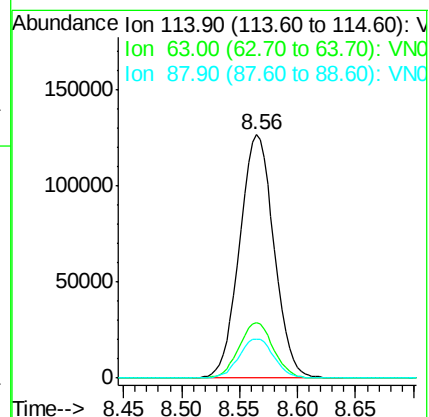
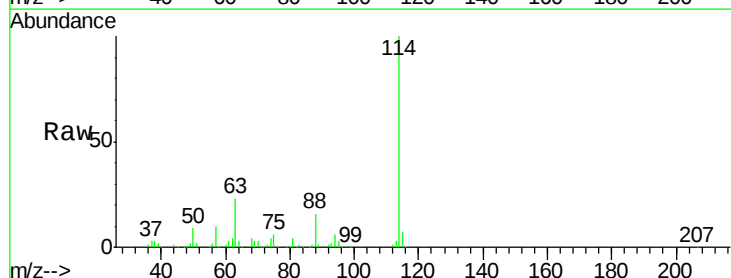
Tgt Ion: 114 Resp: 261097

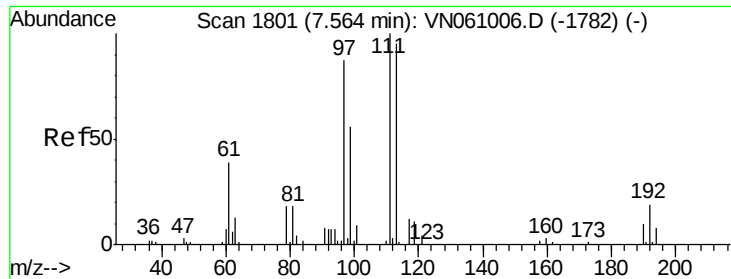
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.2

88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.820 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

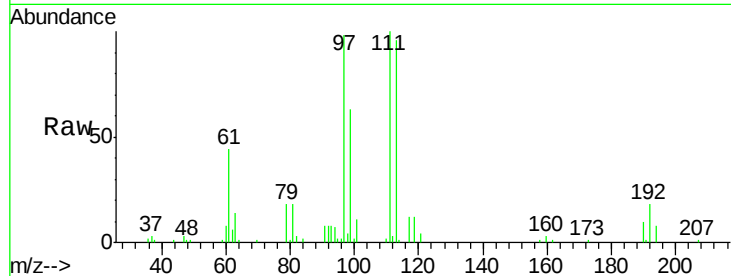
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.2
192	19.1	15.5	23.3

Manual Integrations
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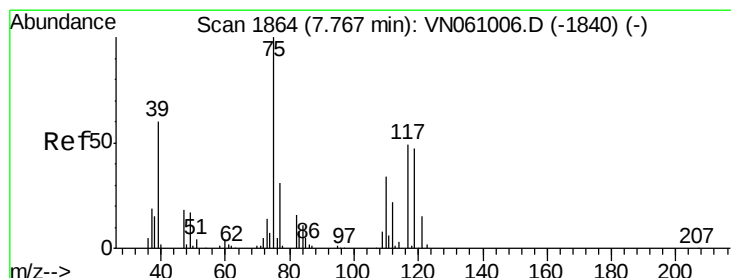
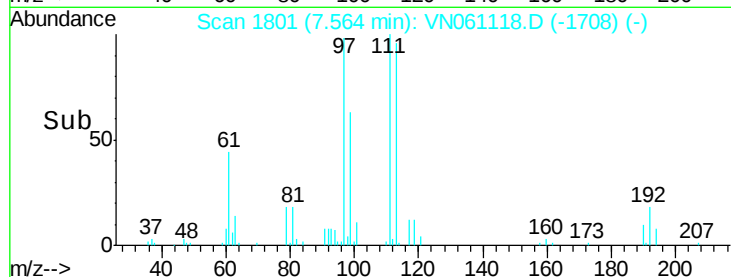
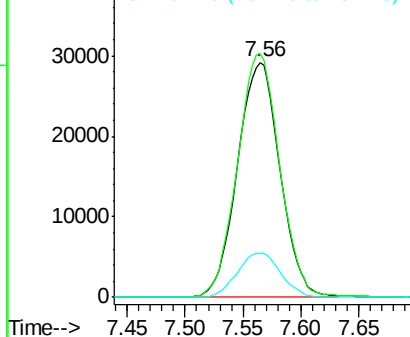


Abundance

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: 48.846 ug/l

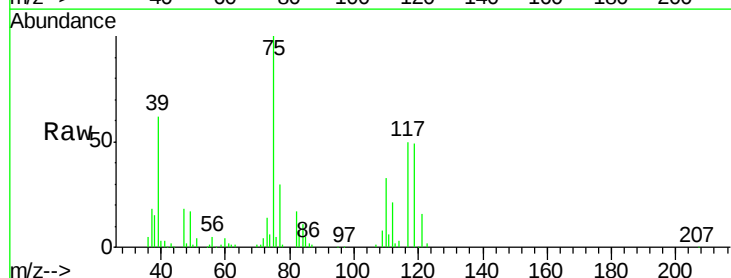
RT: 7.77 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.8	50.3
77	30.6	24.7	37.1

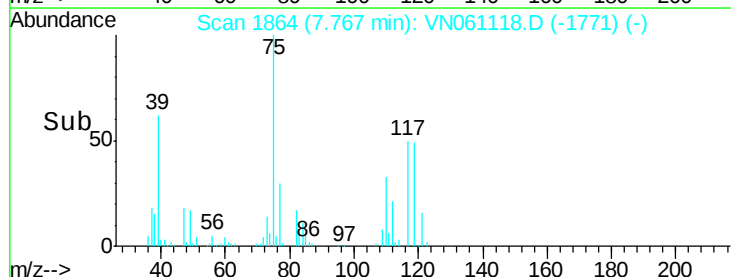
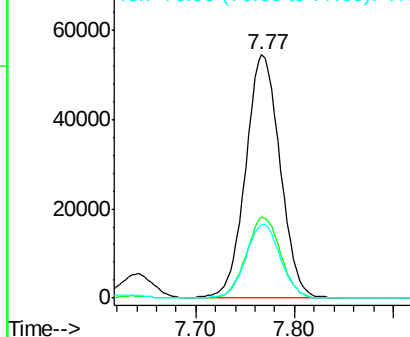


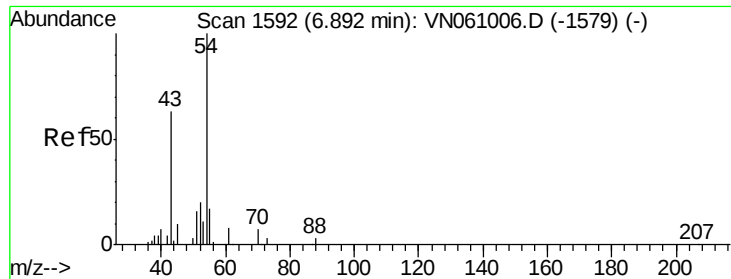
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





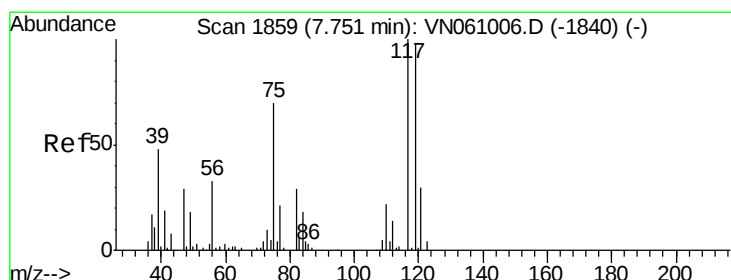
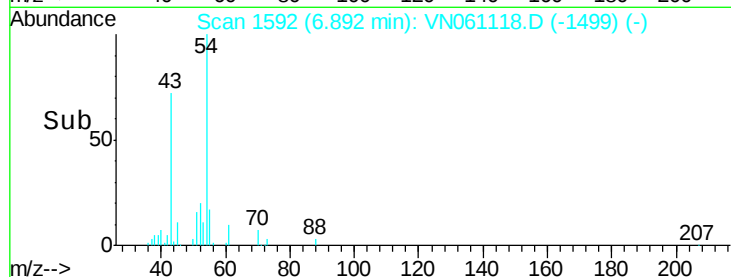
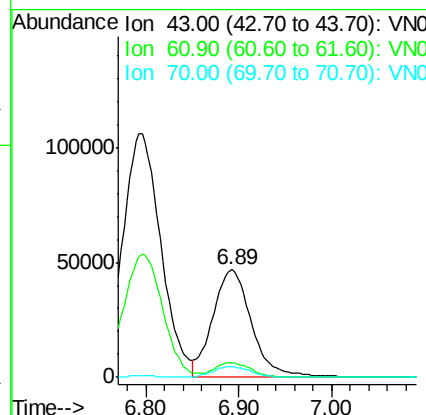
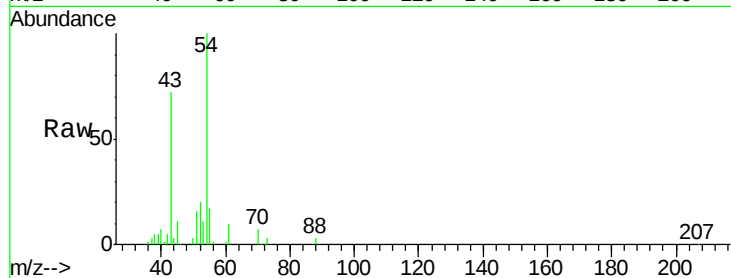
#37
Ethyl Acetate
Concen: 45.847 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.4	10.9	16.3	
70	9.9	7.7	11.5	

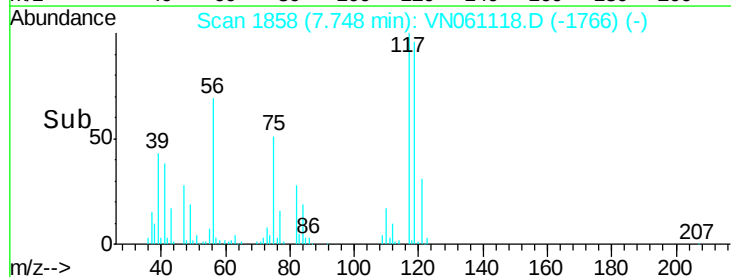
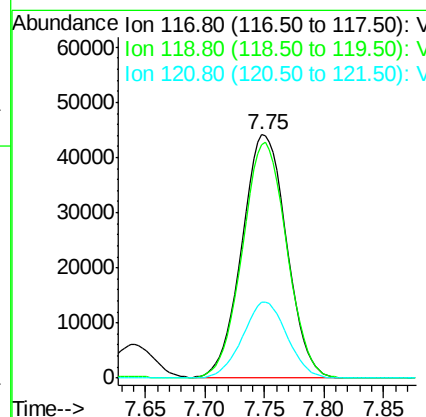
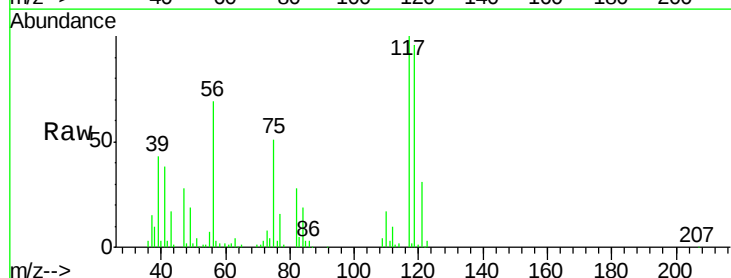
Manual Integrations
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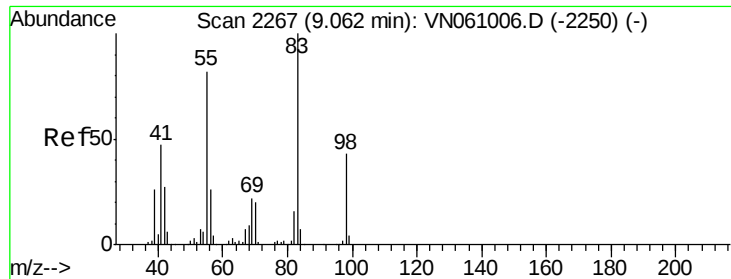
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.257 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.9	78.1	117.1	
121	31.1	24.0	36.0	





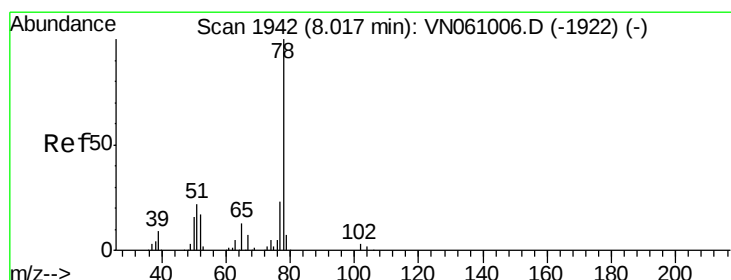
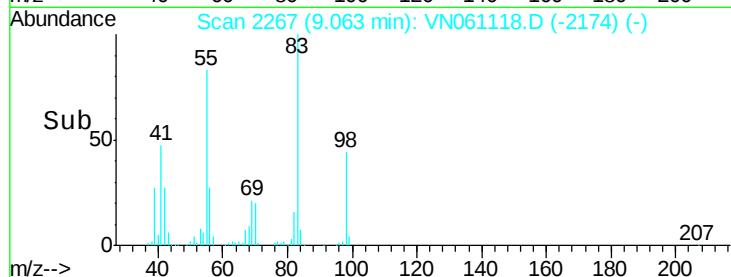
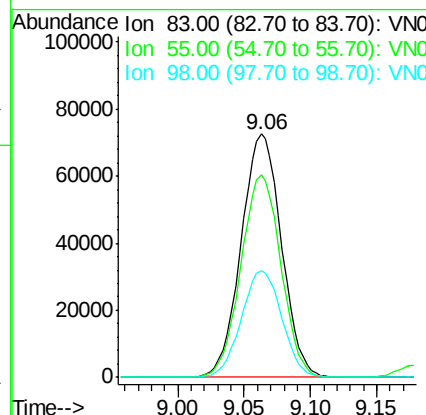
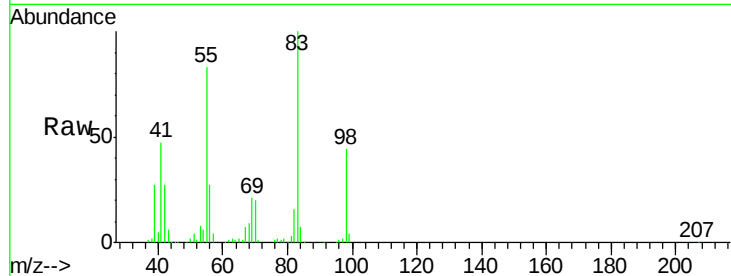
#39
Methvlcvclohexane
Concen: 47.565 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153214		
55	83.2		65.4	98.0
98	43.8		34.6	51.8

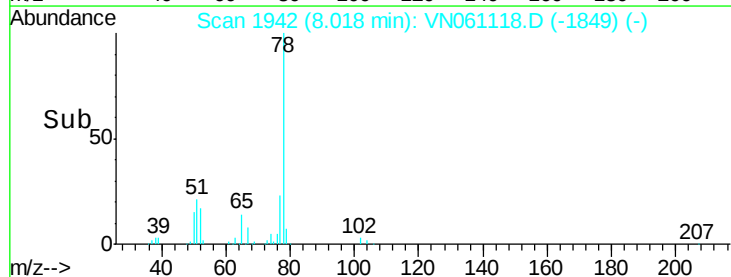
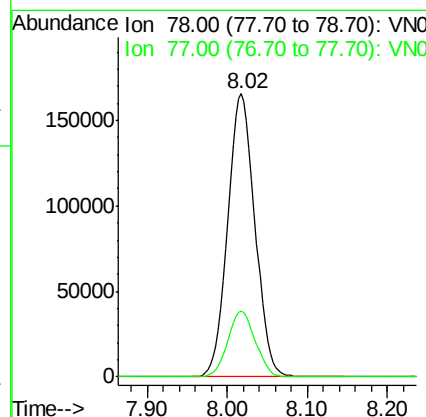
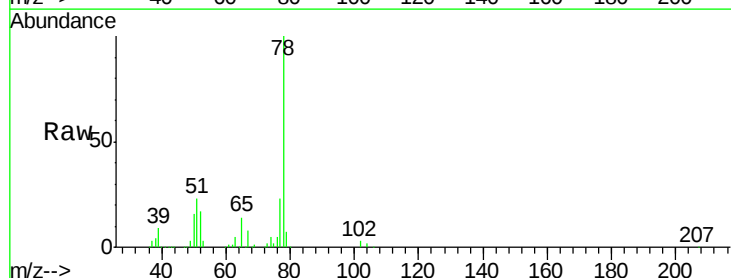
Manual Integrations
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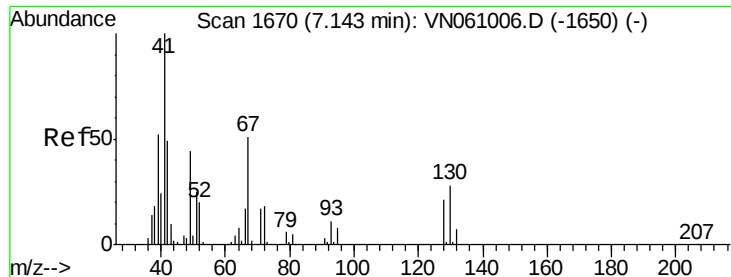
MMDadoda
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#40
Benzene
Concen: 48.401 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	386871		
77	23.2		18.8	28.2





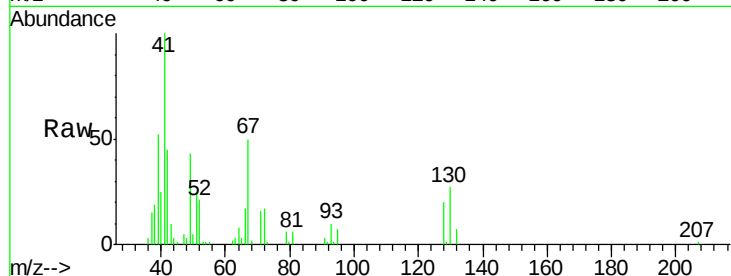
#41
Methacrylonitrile
Concen: 48.179 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	58791
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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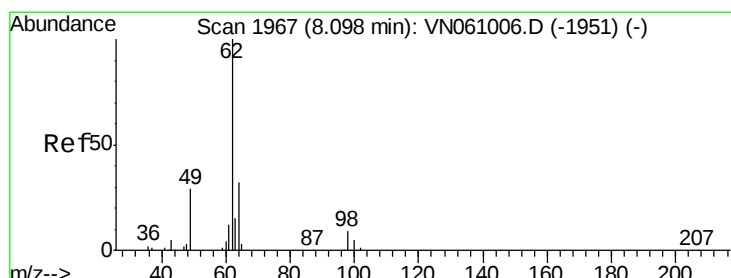
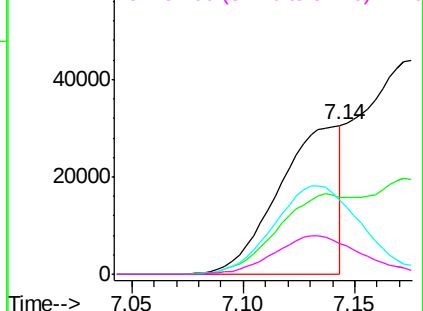
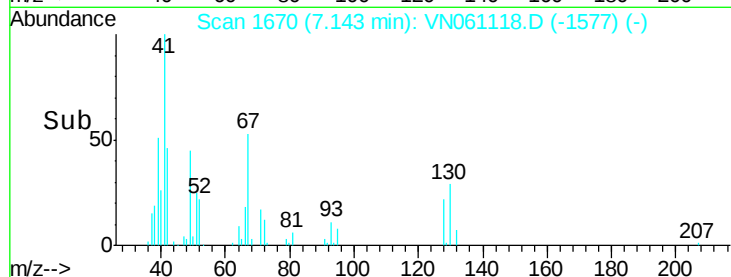


Abundance Ion 41.00 (40.70 to 41.70): VN061118.D (-1577) (-)

Ion 39.00 (38.70 to 39.70): VN061118.D (-1577) (-)

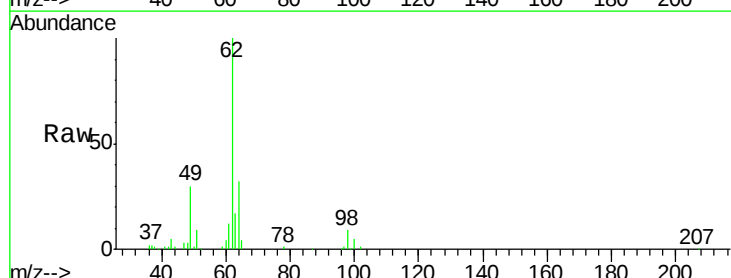
Ion 67.00 (66.70 to 67.70): VN061118.D (-1577) (-)

Ion 52.00 (51.70 to 52.70): VN061118.D (-1577) (-)



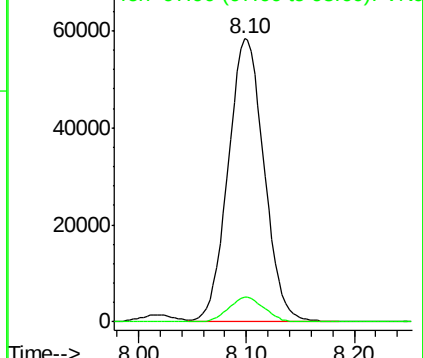
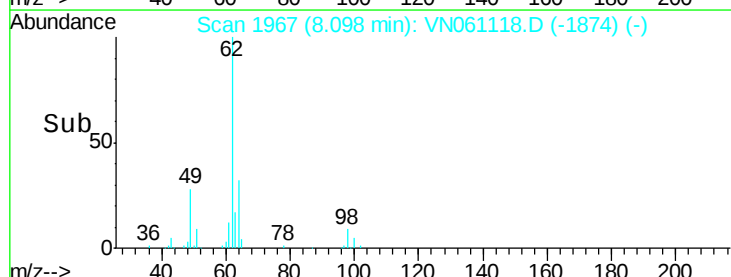
#42
1,2-Dichloroethane
Concen: 49.824 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

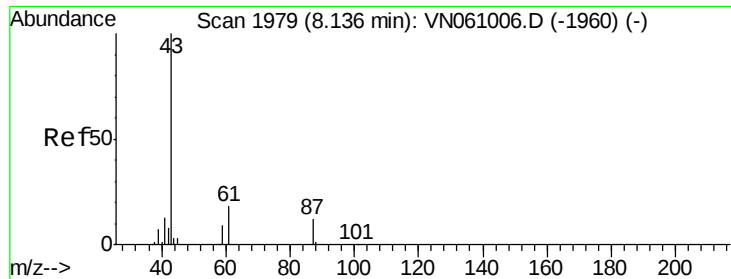
Tgt Ion	62	Resp	135665
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN061118.D (-1874) (-)

Ion 97.90 (97.60 to 98.60): VN061118.D (-1874) (-)





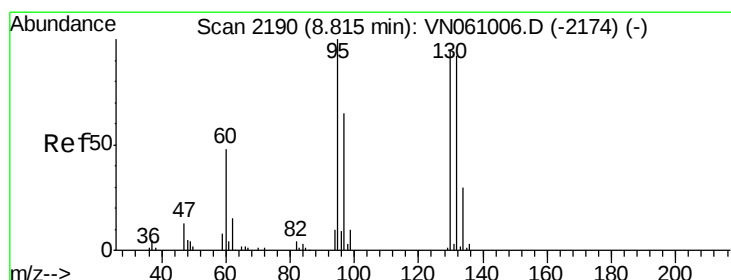
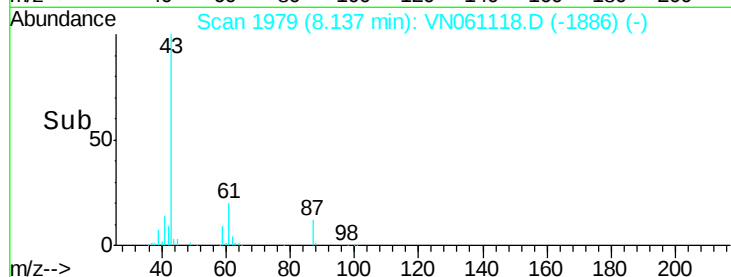
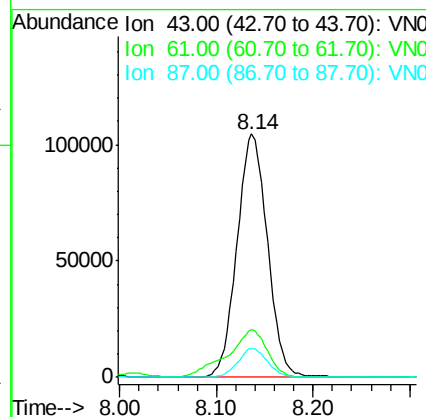
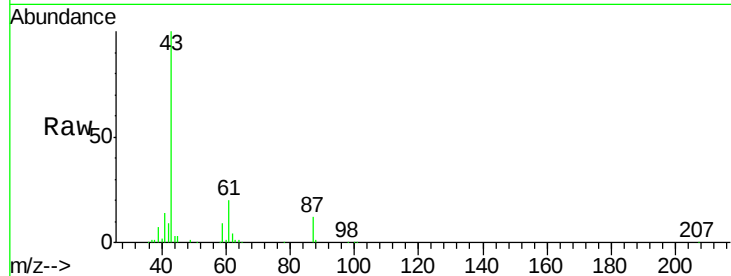
#43
Isopropyl Acetate
Concen: 48.191 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.3	30.5
87	11.6	9.4	14.2

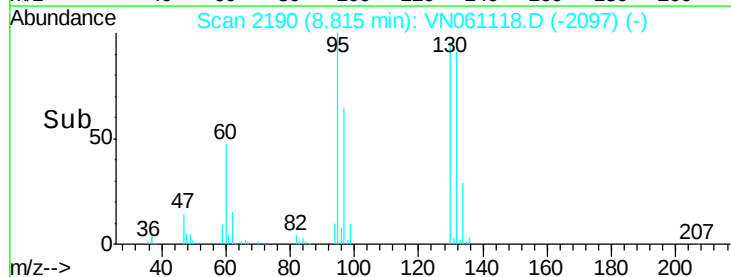
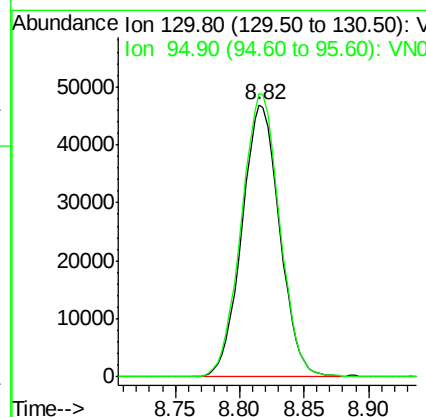
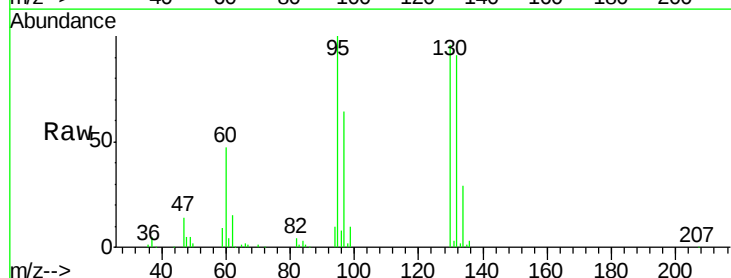
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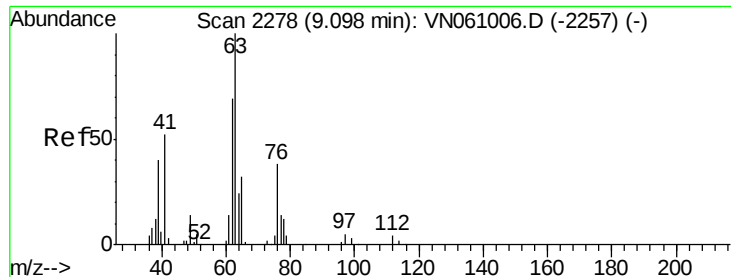
MMDadoda
4/21/2020 12:02:46 PM



#44
Trichloroethene
Concen: 47.710 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	210.0





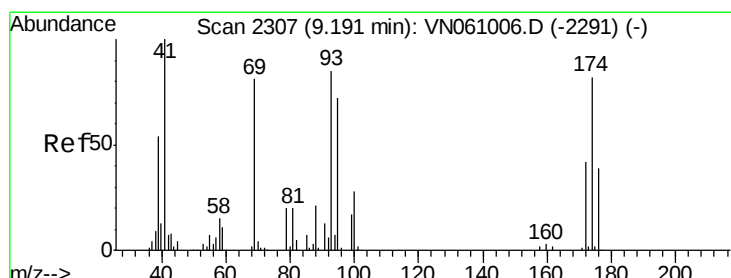
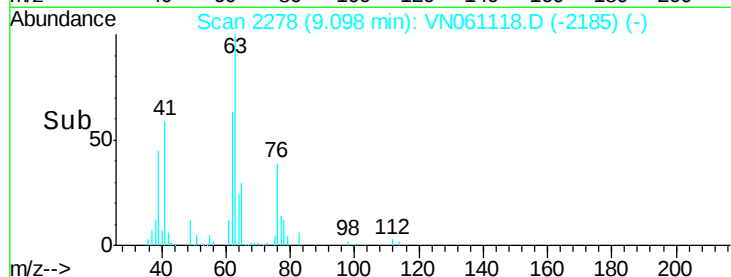
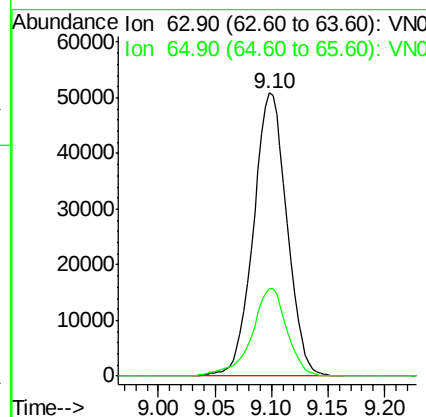
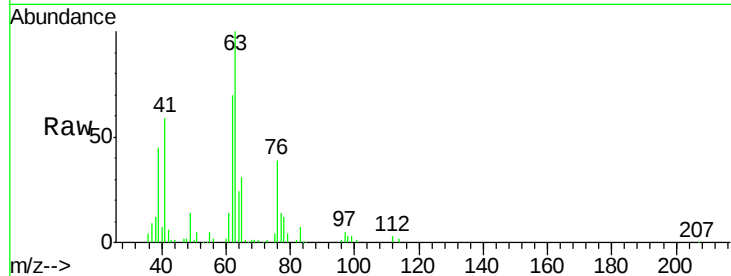
#45
 1,2-Dichloropropane
 Concen: 48.585 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.2	37.8

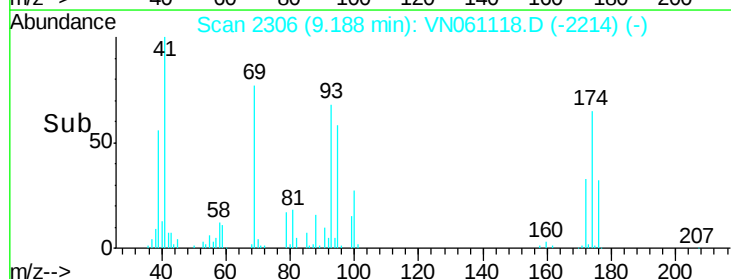
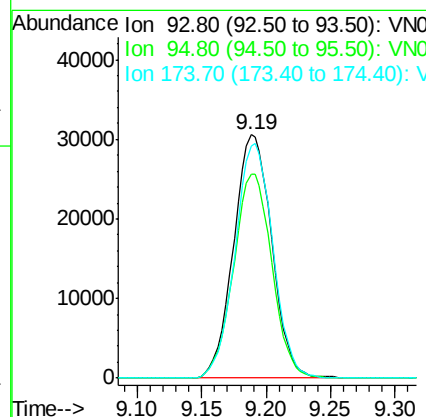
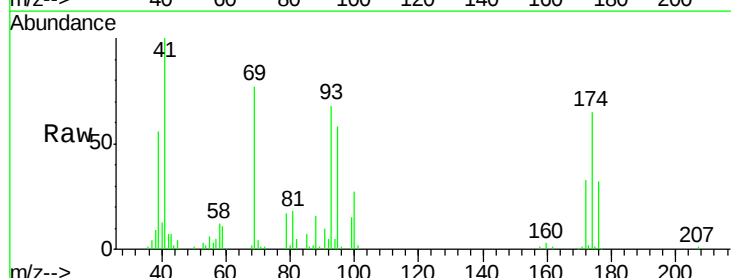
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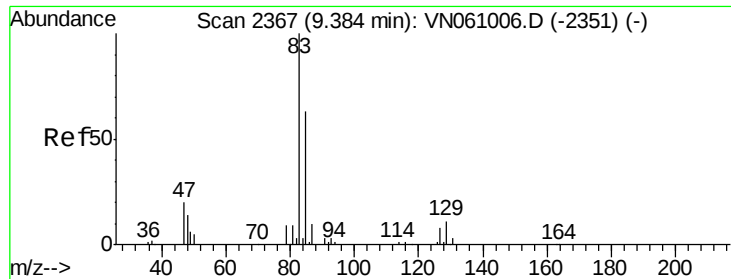
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#46
 Dibromomethane
 Concen: 50.432 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.8	100.2
174	95.6	76.2	114.4





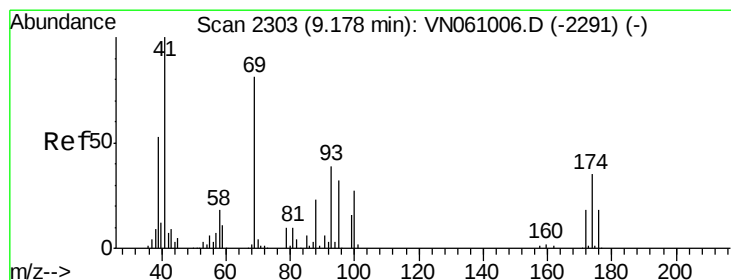
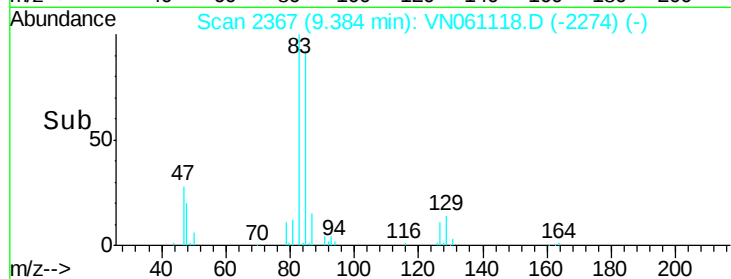
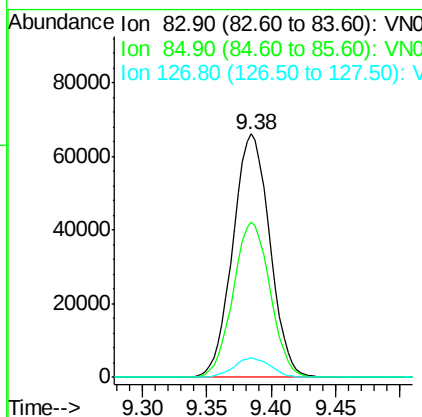
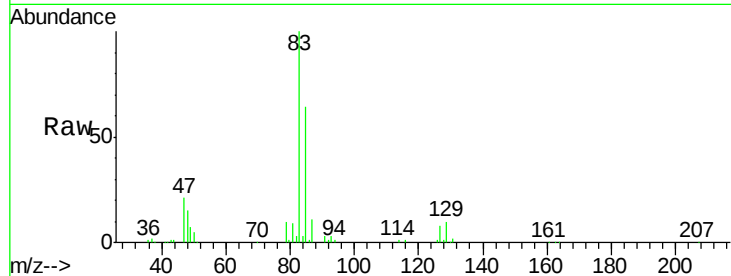
#47
Bromodichloromethane
Concen: 50.122 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	131801
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	50.6	76.0
127	7.9	6.1	9.1

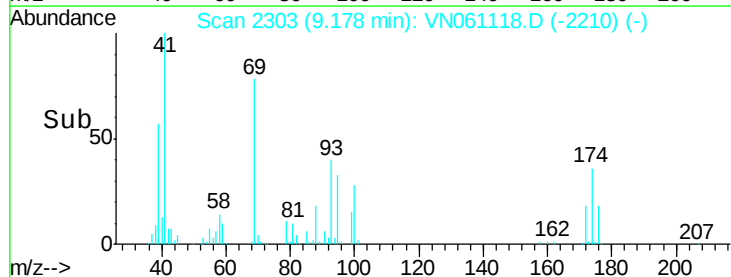
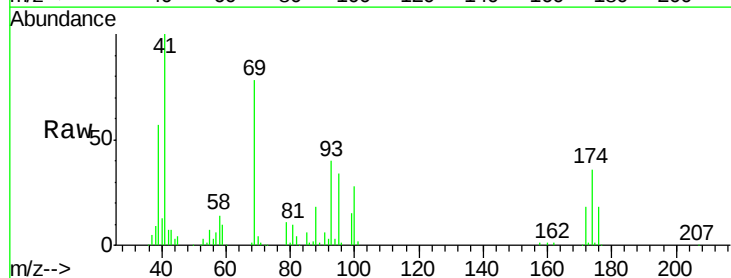
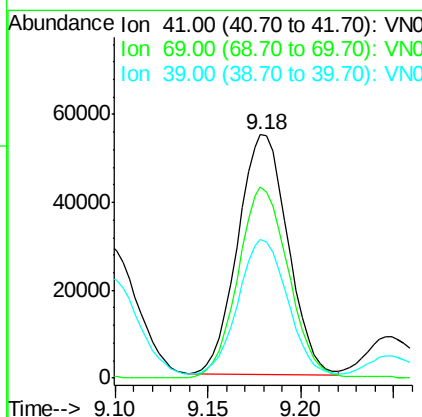
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#48
Methyl methacrylate
Concen: 48.722 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	41	Resp	102447
Ion Ratio	100	Lower	Upper
41	100		
69	80.5	65.3	97.9
39	55.4	45.2	67.8





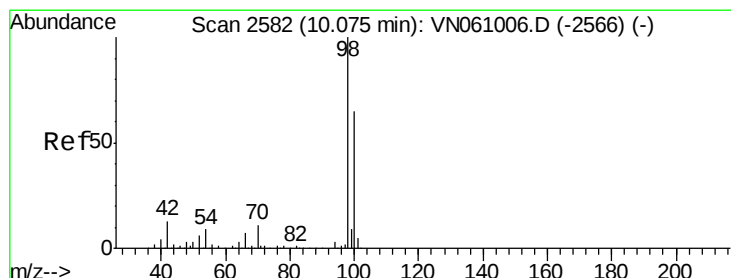
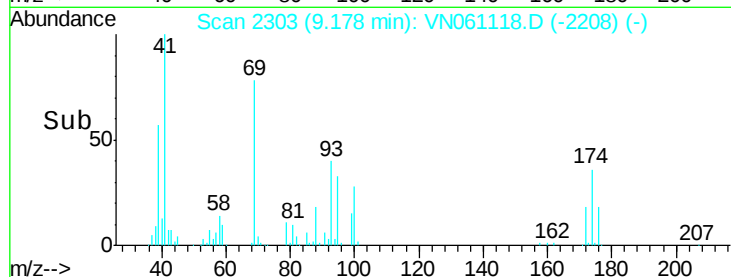
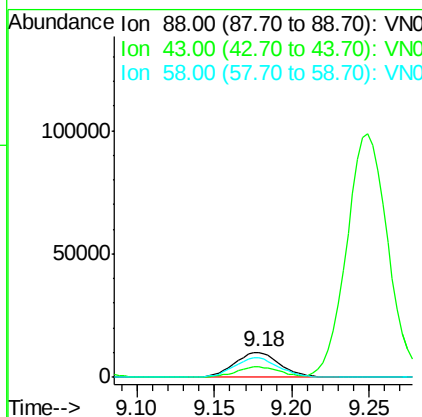
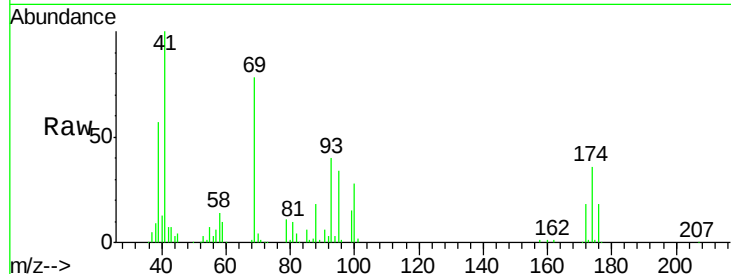
#49
1,4-Dioxane
Concen: 712.352 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	20681		
43	40.1		30.9	46.3
58	77.3		59.8	89.8

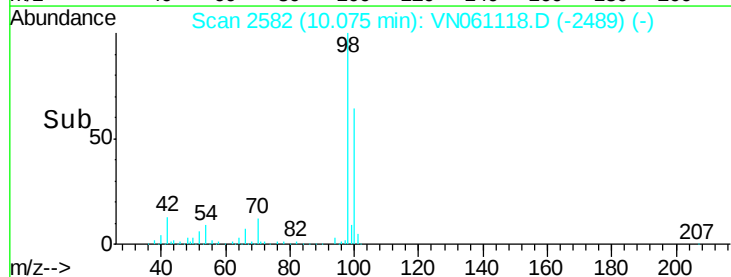
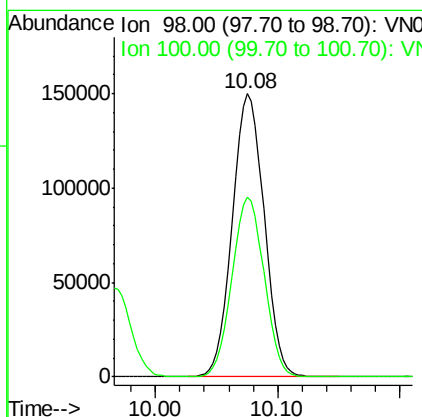
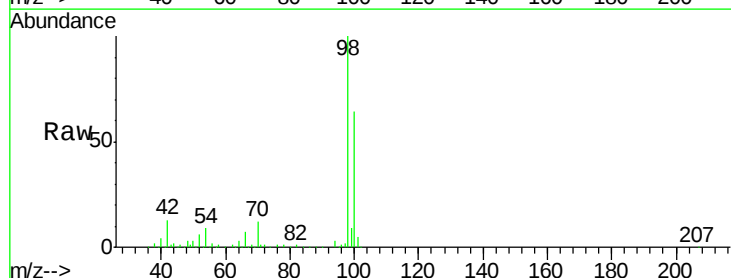
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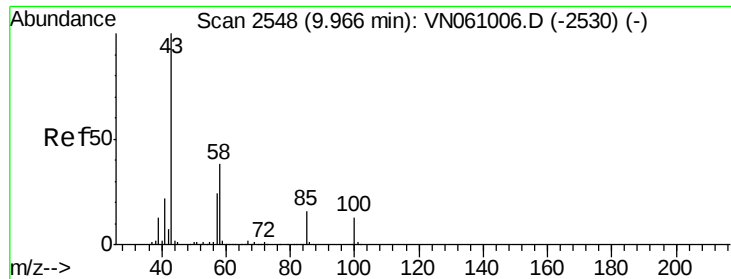
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#50
Toluene-d8
Concen: 47.114 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	271463		
100	64.3		51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 243.448 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 667746

Ion Ratio Lower Upper

43 100

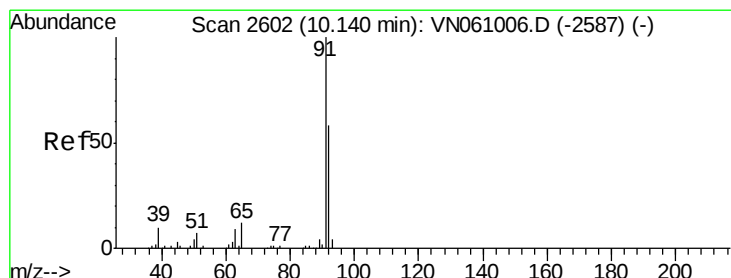
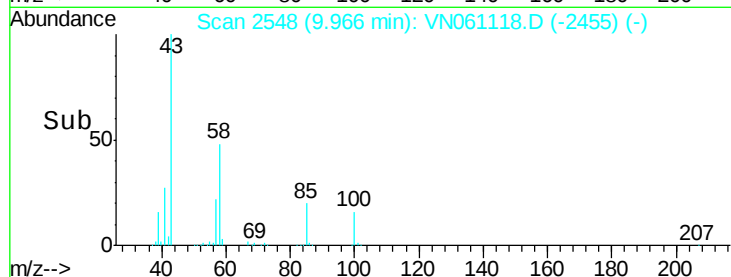
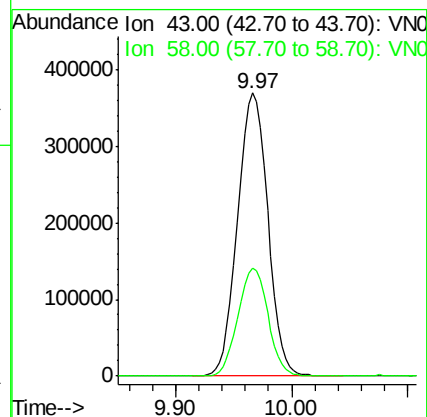
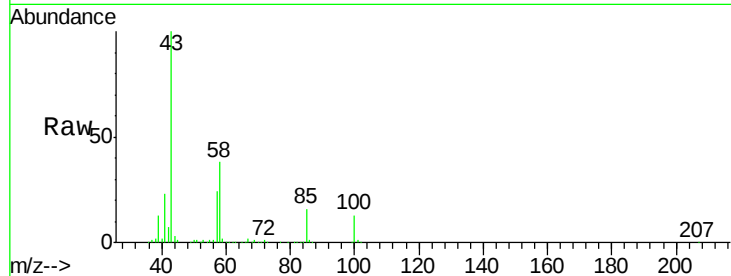
58 37.9 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 48.911 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061118.D

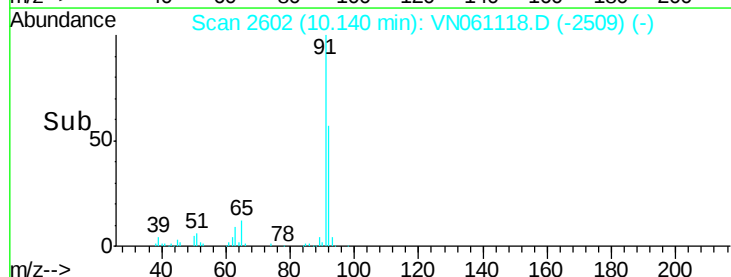
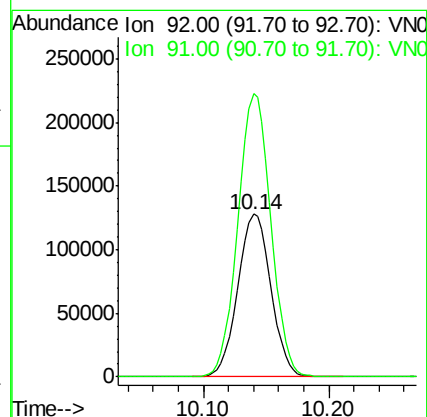
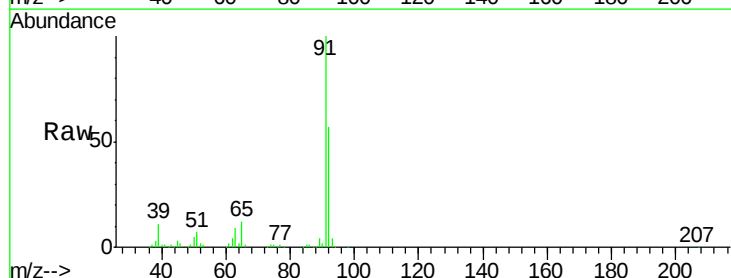
Acq: 20 Apr 2020 22:16

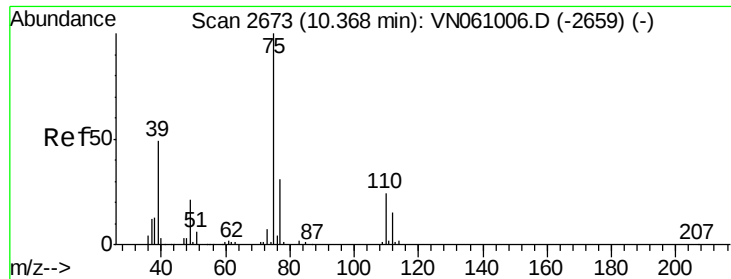
Tgt Ion: 92 Resp: 234536

Ion Ratio Lower Upper

92 100

91 173.4 137.7 206.5





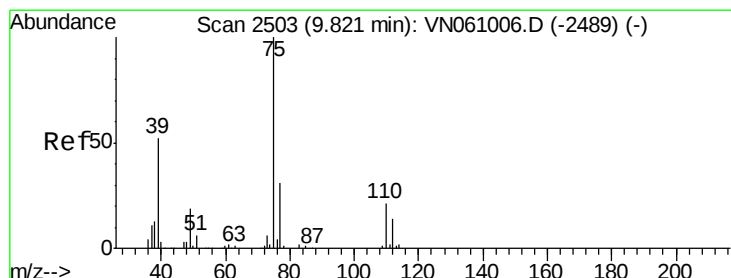
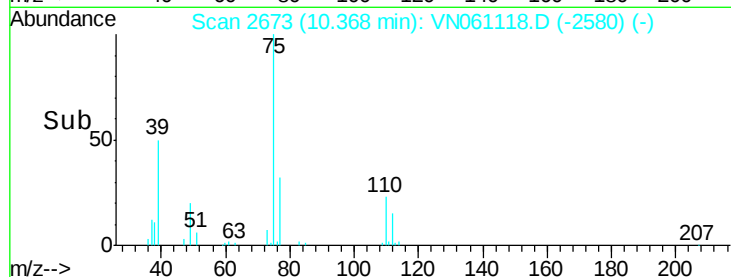
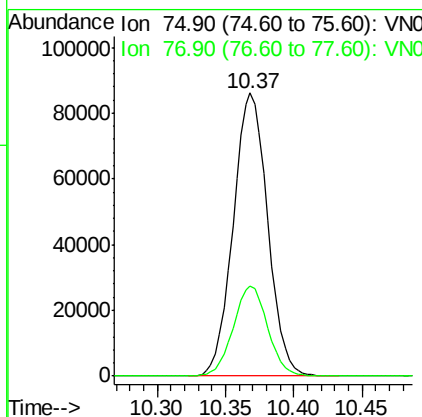
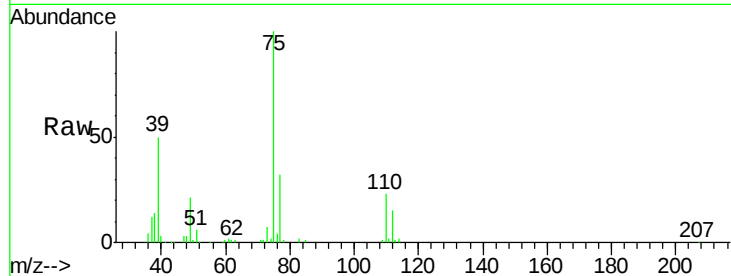
#53
t-1,3-Dichloropropene
Concen: 49.389 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6

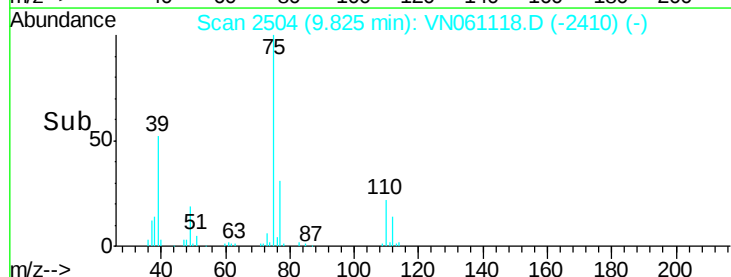
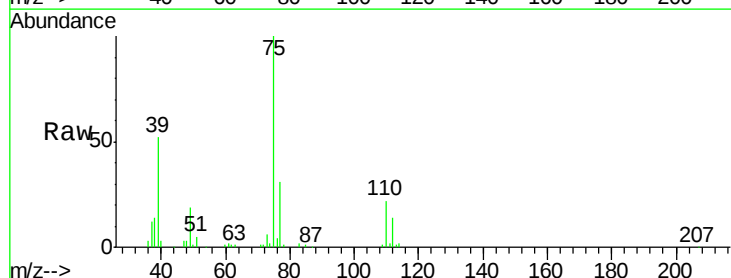
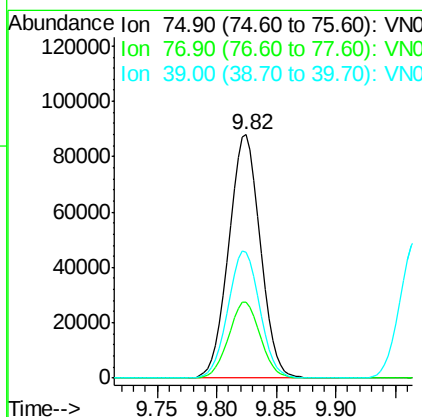
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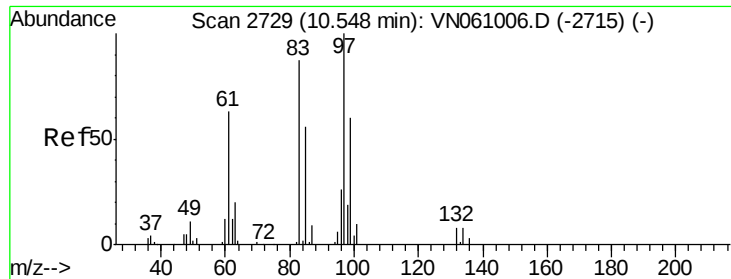
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#54
cis-1,3-Dichloropropene
Concen: 48.579 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.6
39	51.7	41.4	62.2





#55

1,1,2-Trichloroethane

Concen: 49.741 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

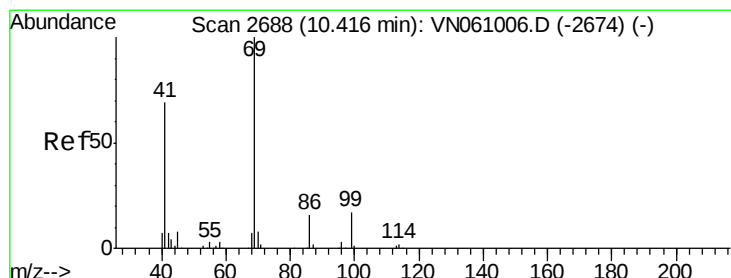
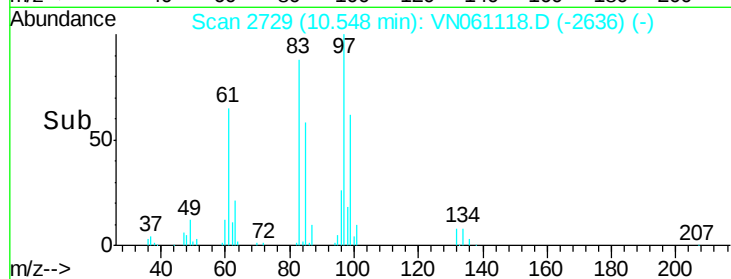
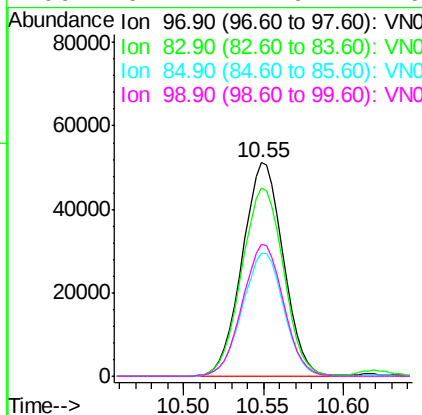
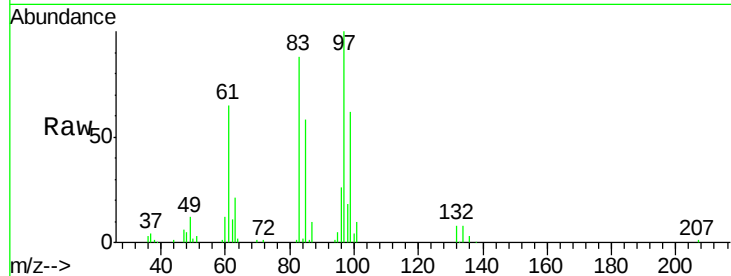
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	90262
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.5	104.3
85	57.8	45.0	67.4
99	61.7	47.9	71.9

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#56

Ethyl methacrylate

Concen: 50.268 ug/l

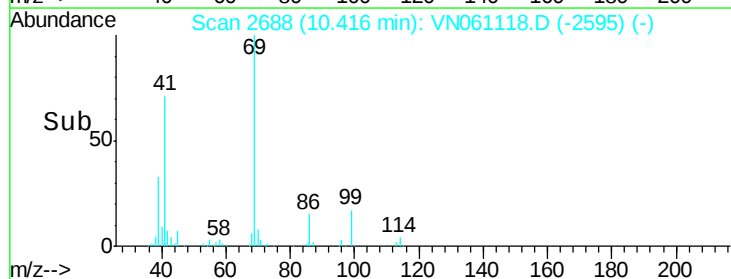
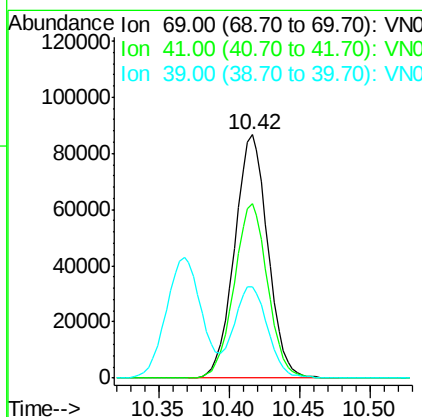
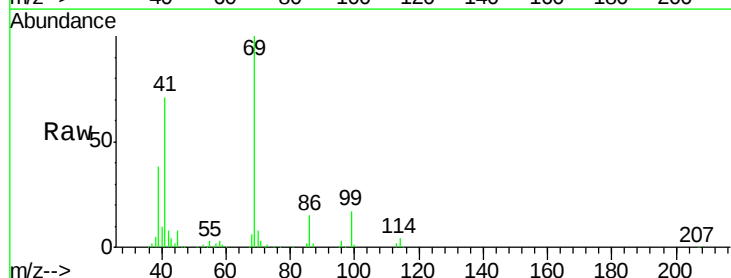
RT: 10.42 min Scan# 2688

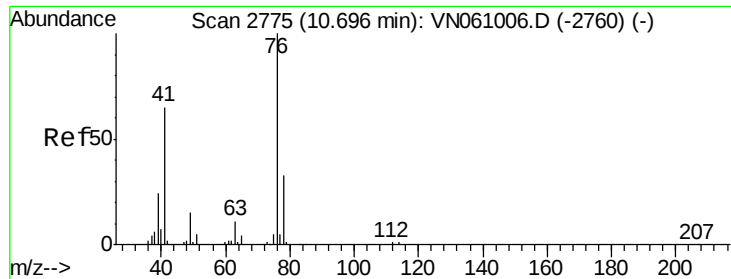
Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion:	69	Resp:	143439
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.7	85.1
39	37.6	29.4	44.0





#57

1,3-Dichloropropane

Concen: 49.438 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 160019

Ion Ratio Lower Upper

76 100

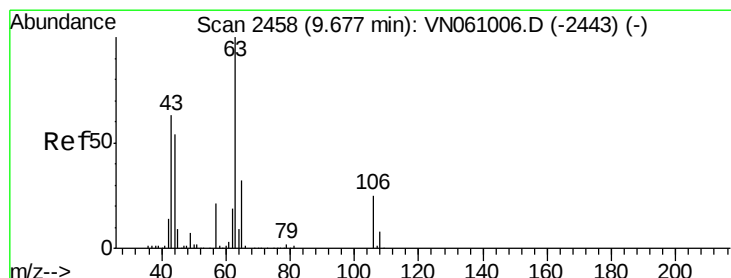
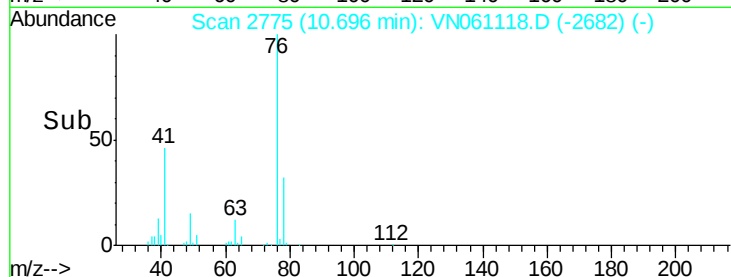
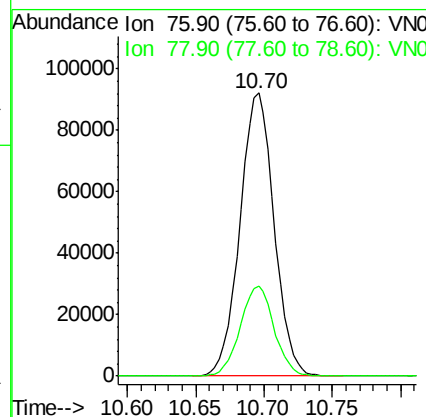
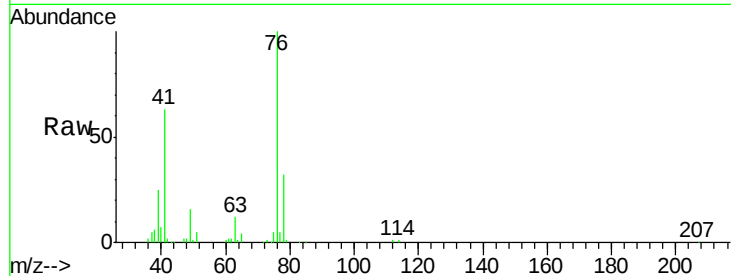
78 31.6 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 231.413 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061118.D

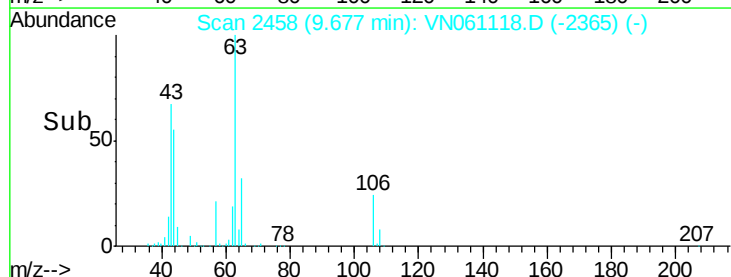
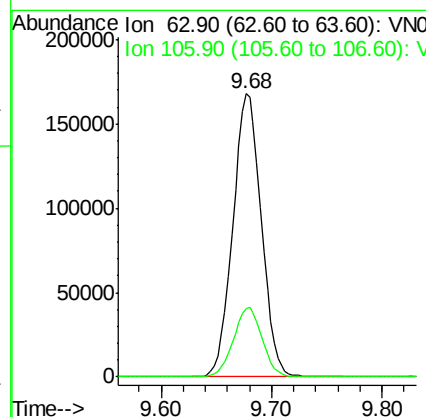
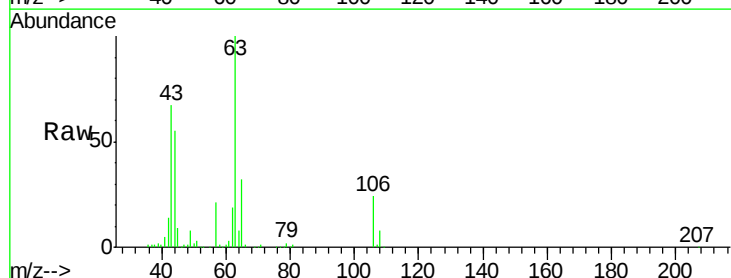
Acq: 20 Apr 2020 22:16

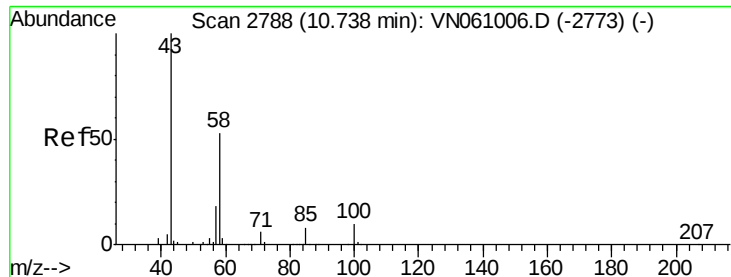
Tgt Ion: 63 Resp: 300055

Ion Ratio Lower Upper

63 100

106 24.6 19.5 29.3





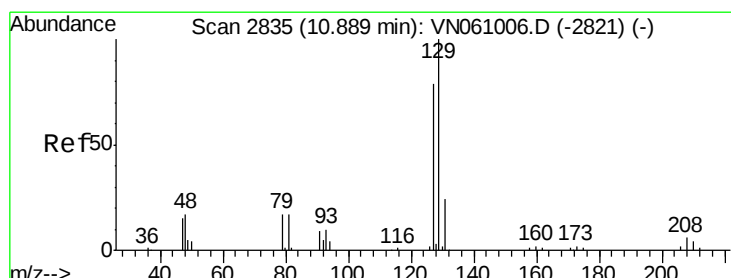
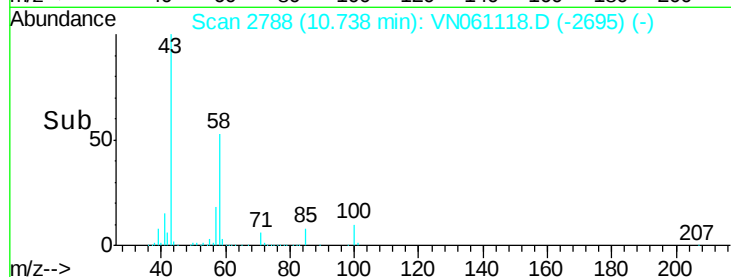
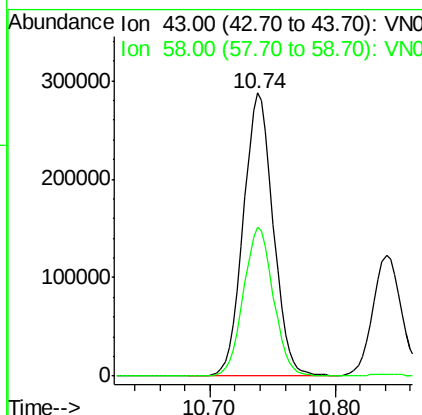
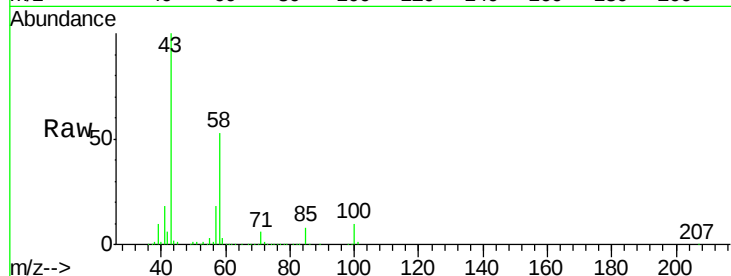
#59
2-Hexanone
Concen: 240.769 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 476265
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

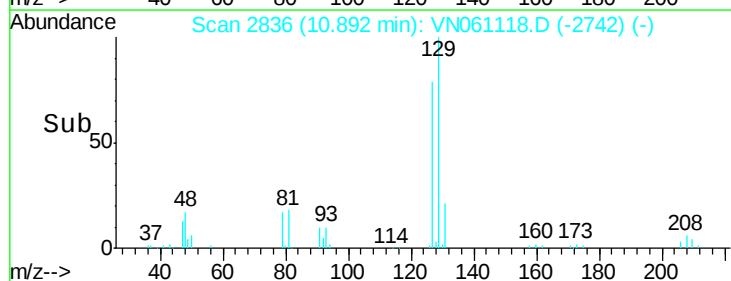
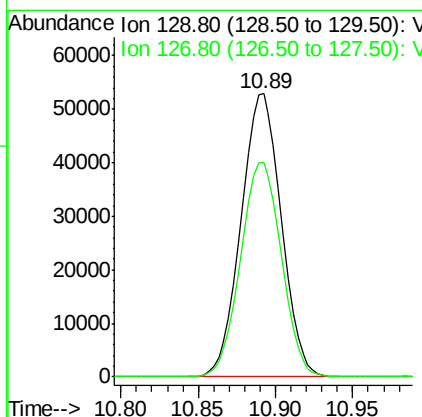
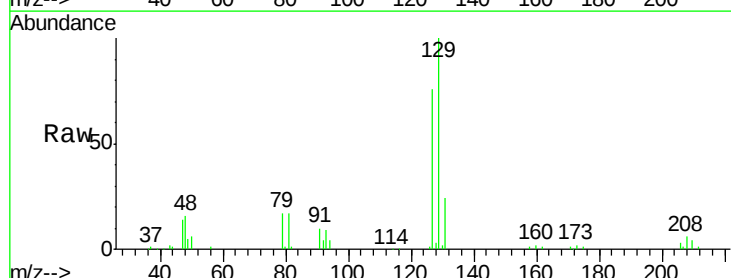
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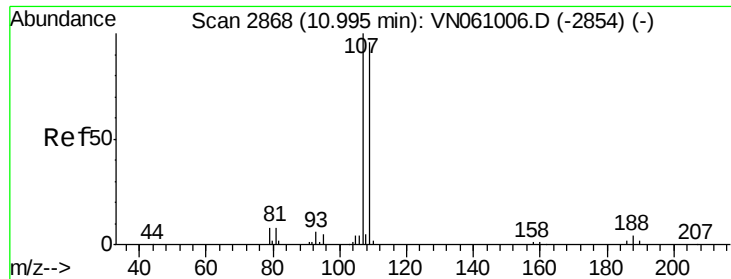
MMDadoda
4/21/2020 12:02:46 PM



#60
Dibromochloromethane
Concen: 51.403 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 129 Resp: 95819
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.707 ug/l

RT: 11.00 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 91912

Ion Ratio Lower Upper

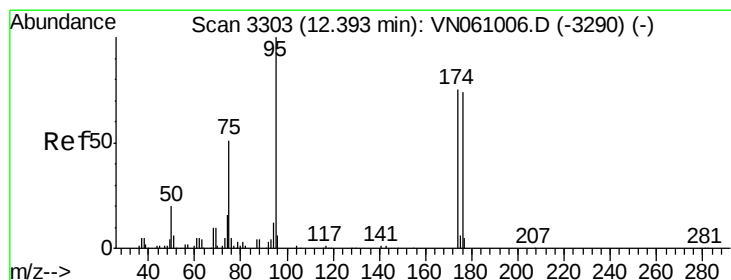
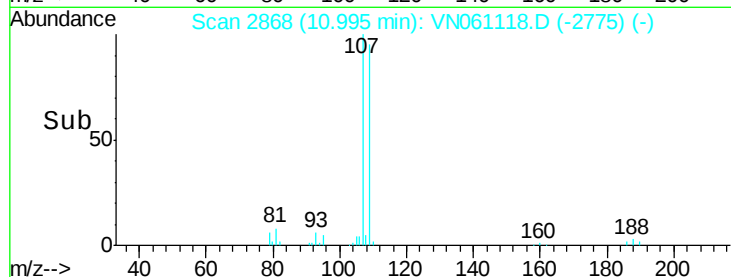
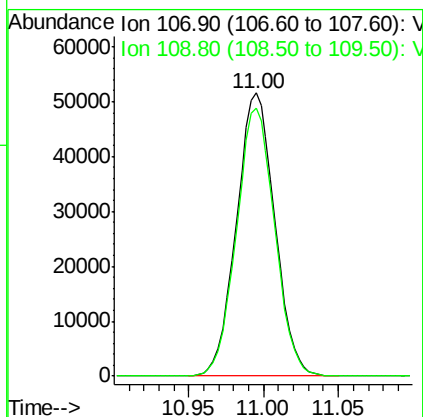
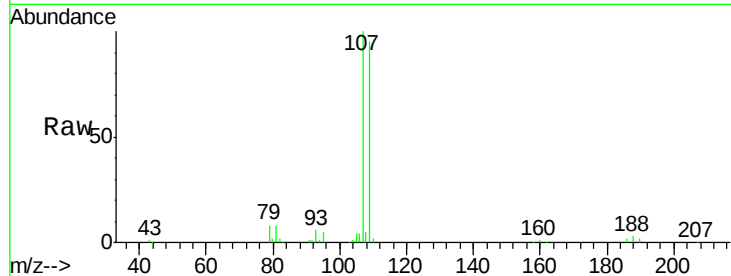
107 100

109 94.5 75.9 113.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.609 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

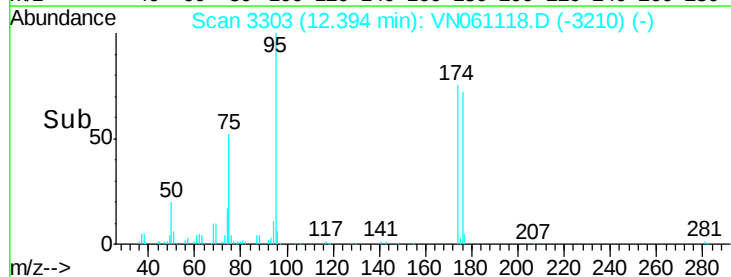
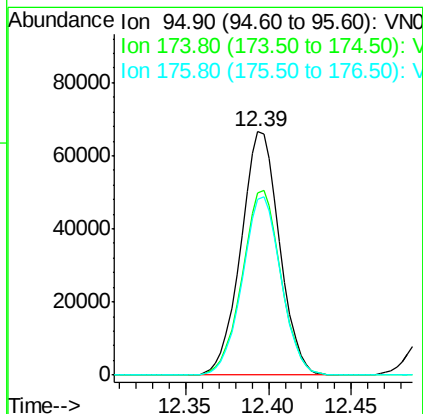
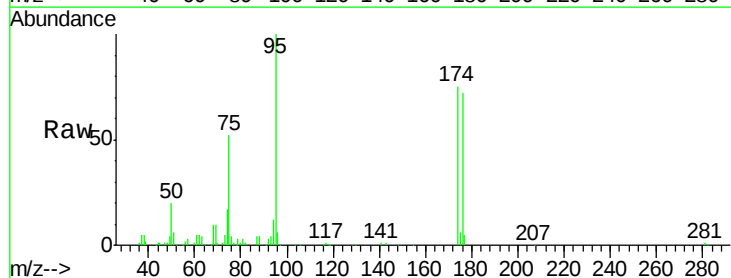
Tgt Ion: 95 Resp: 107512

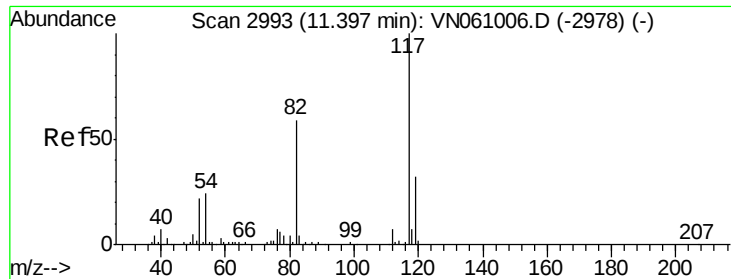
Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.2

176 73.5 0.0 148.2





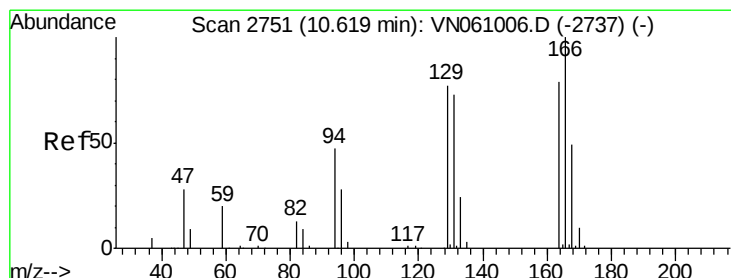
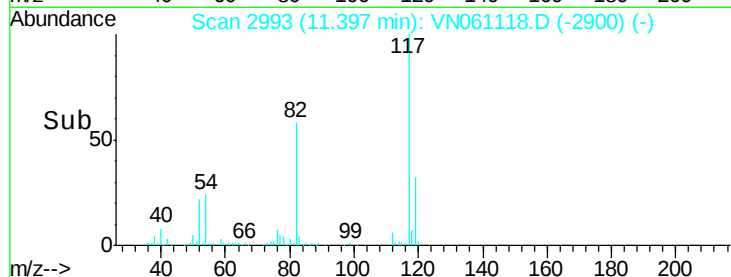
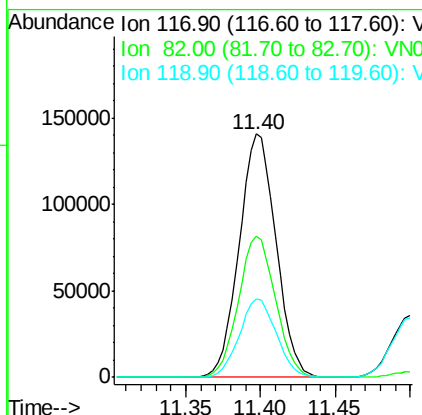
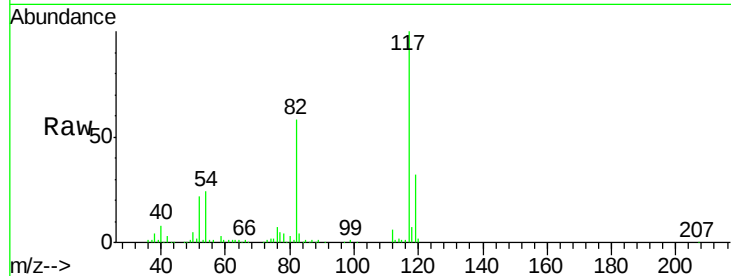
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	241117		
82	58.1	47.1	70.7	
119	32.3	25.7	38.5	

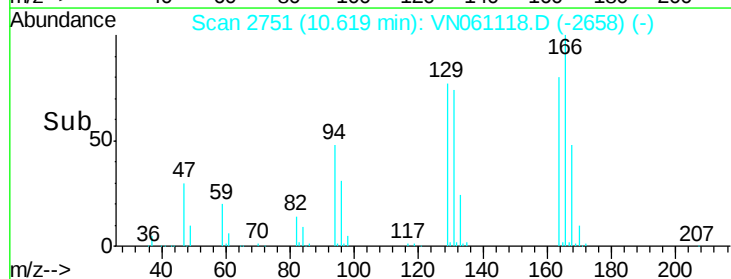
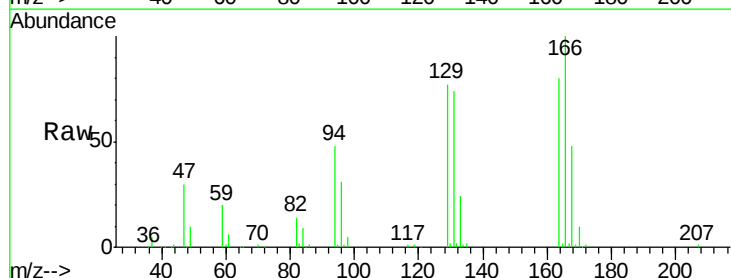
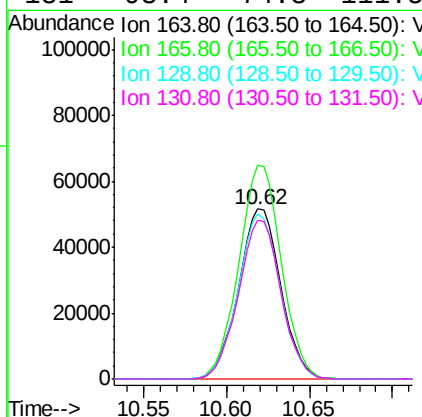
Manual Integrations
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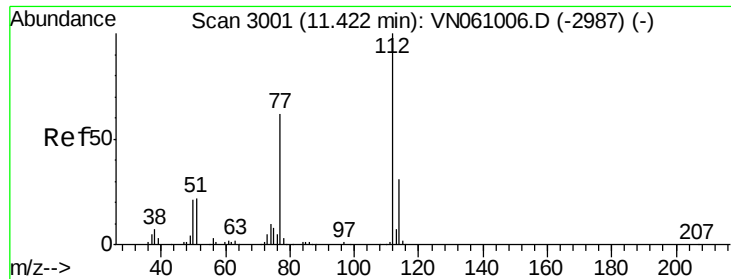
MMDadoda
4/21/2020 12:02:46 PM



#64
Tetrachloroethene
Concen: 49.548 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91419		
166	125.7	101.6	152.4	
129	96.9	78.5	117.7	
131	93.4	74.3	111.5	





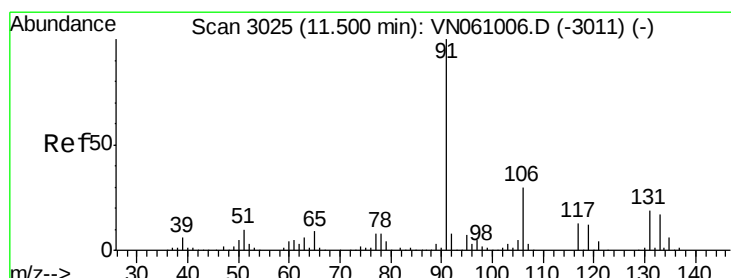
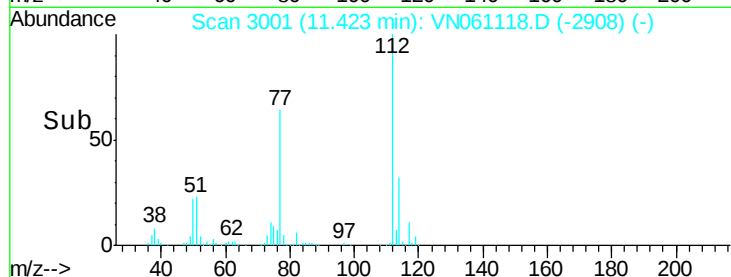
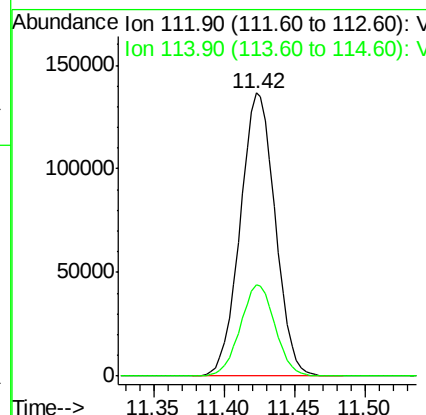
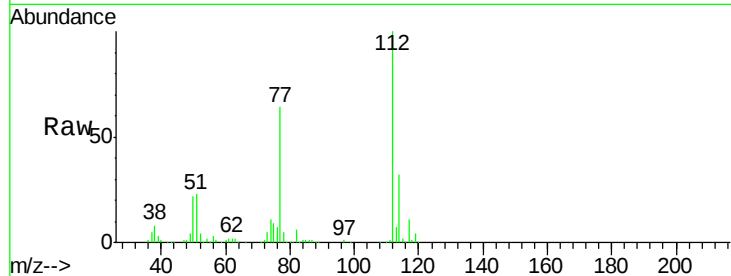
#65
Chlorobenzene
Concen: 47.738 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

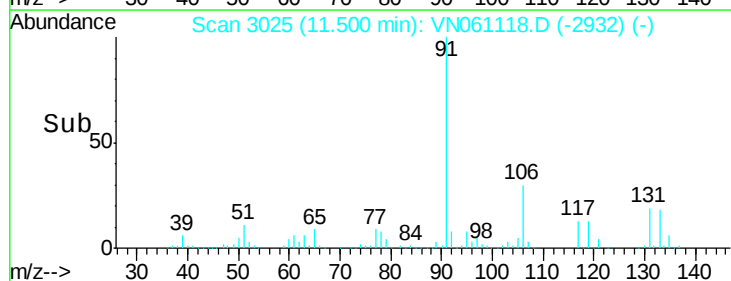
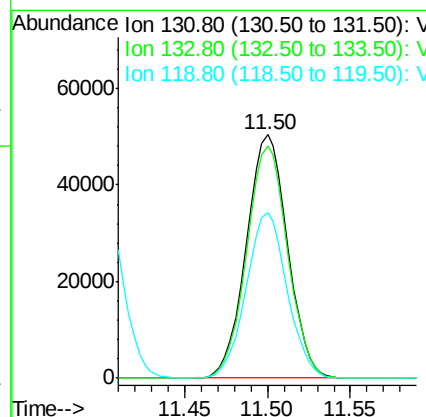
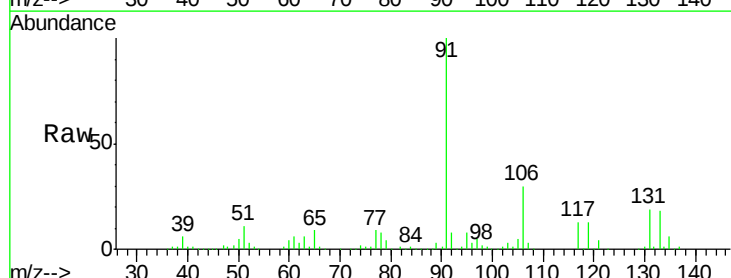
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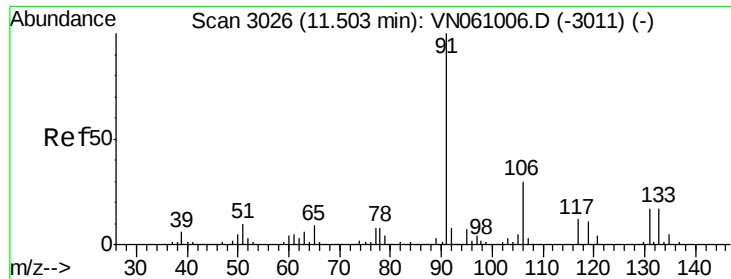
MMDadoda
4/21/2020 12:02:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.836 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.8
119	67.4	33.3	99.8





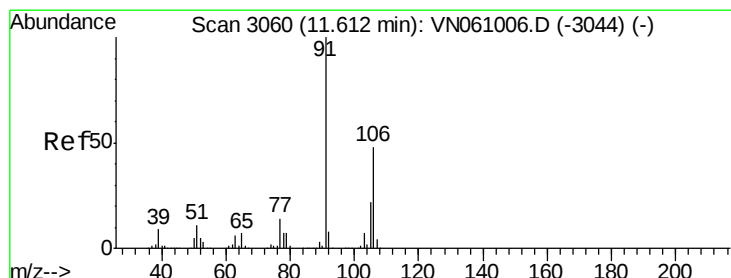
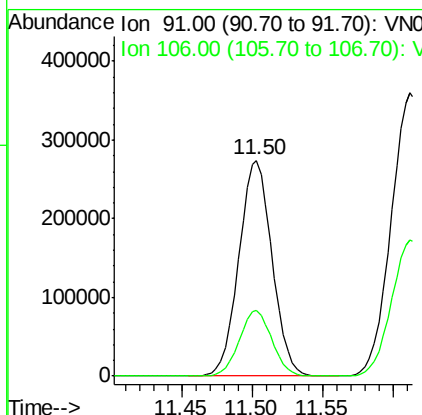
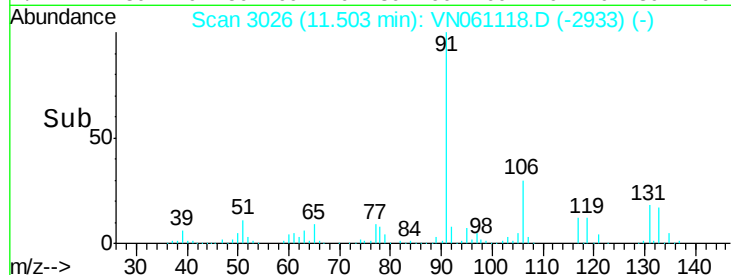
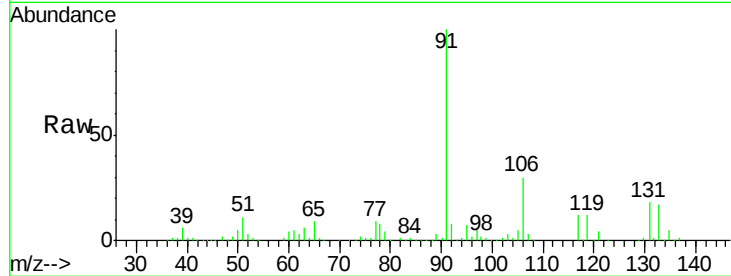
#67
Ethyl Benzene
Concen: 48.264 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 451896
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8

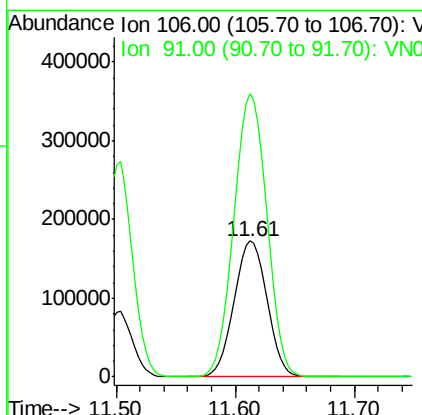
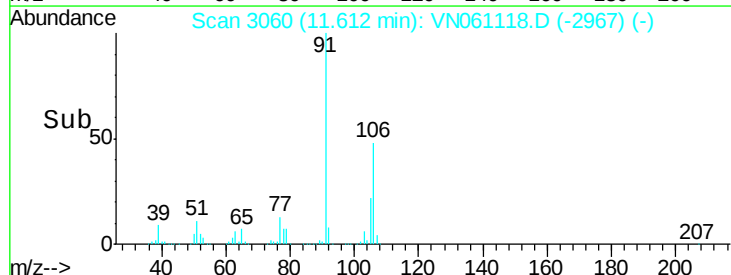
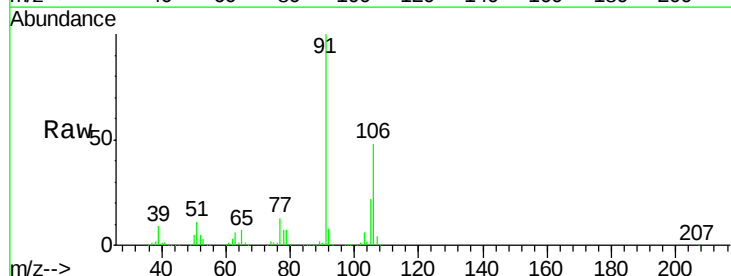
Manual Integrations
APPROVED

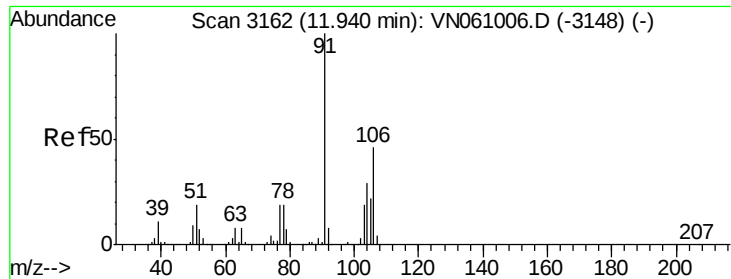
MMDadoda
4/21/2020 12:02:46 PM



#68
m/p-Xylenes
Concen: 98.011 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion: 106 Resp: 331646
Ion Ratio Lower Upper
106 100
91 209.1 167.9 251.9





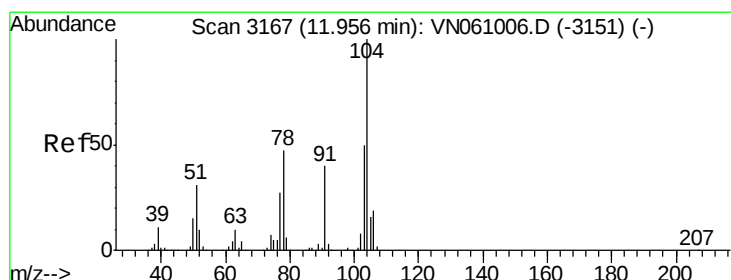
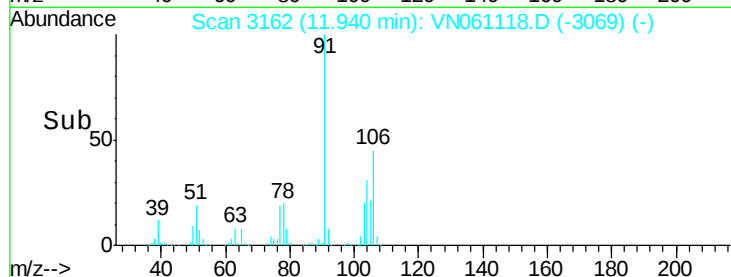
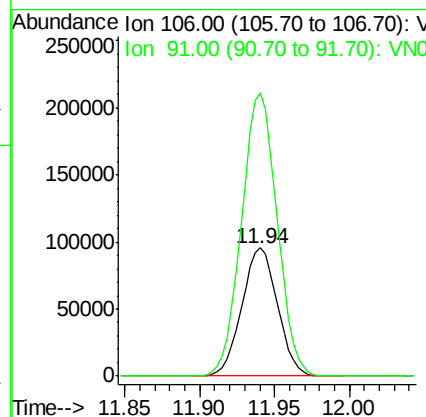
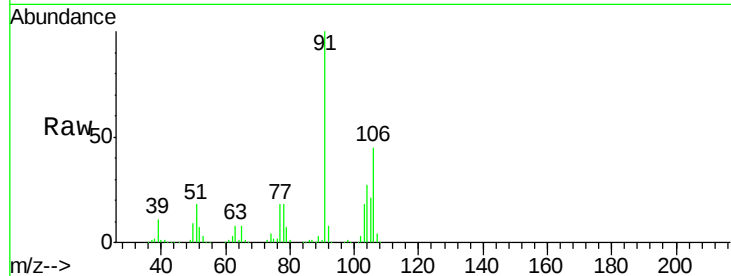
#69
o-Xylene
Concen: 48.674 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		158355		
91	220.8	110.7	332.1		

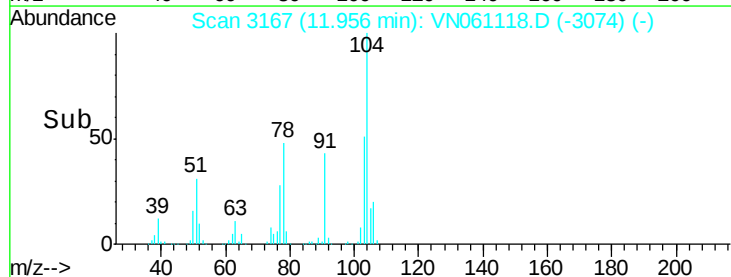
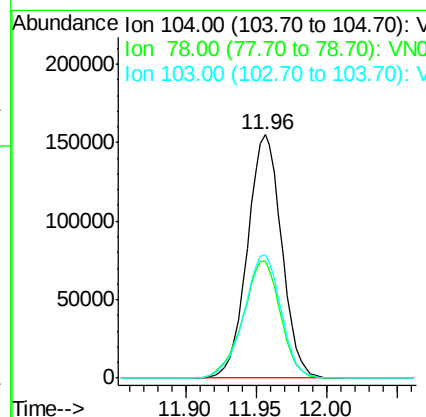
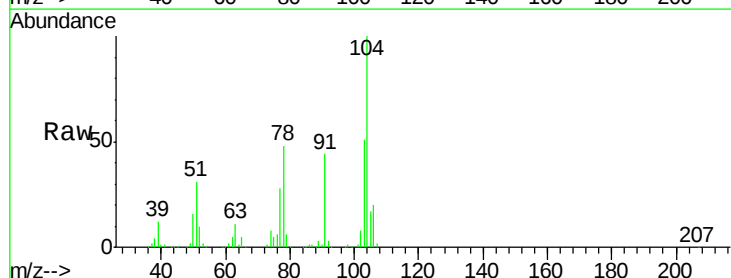
Manual Integrations
APPROVED

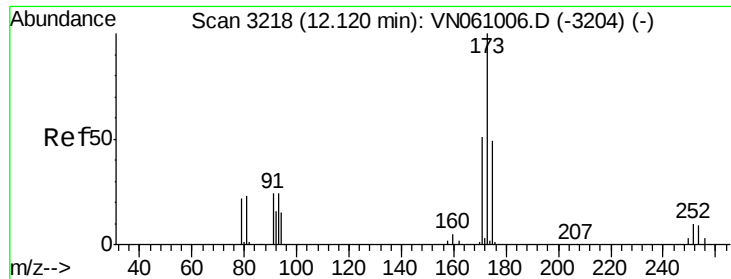
MMDadoda
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#70
Styrene
Concen: 50.307 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		263492		
78	52.6	42.2	63.4		
103	54.8	44.4	66.6		





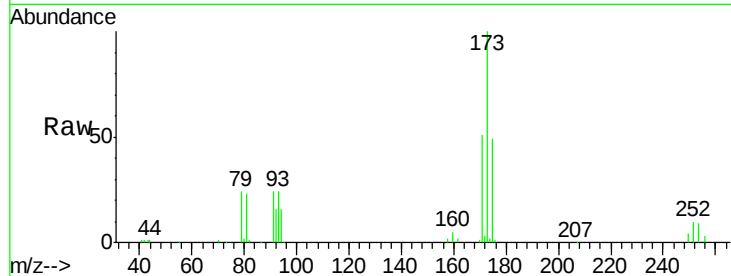
#71
Bromoform
Concen: 50.417 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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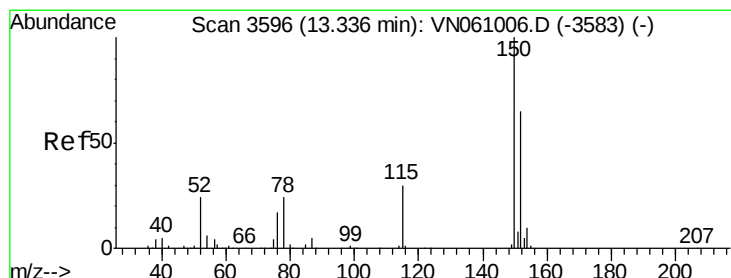
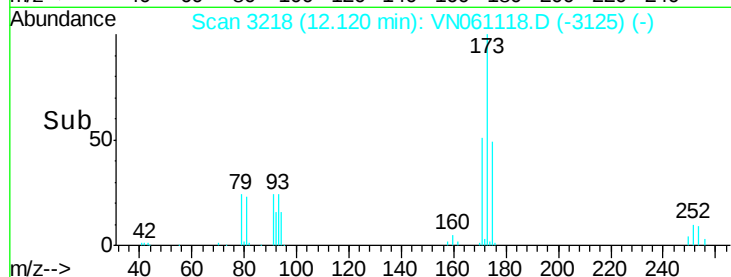
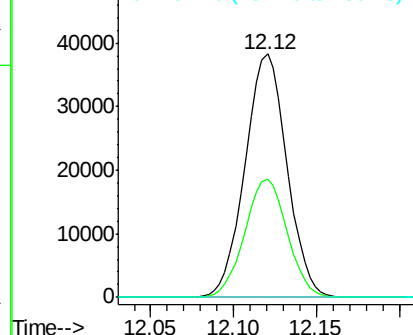


Abundance

Ion 172.70 (172.40 to 173.40): V

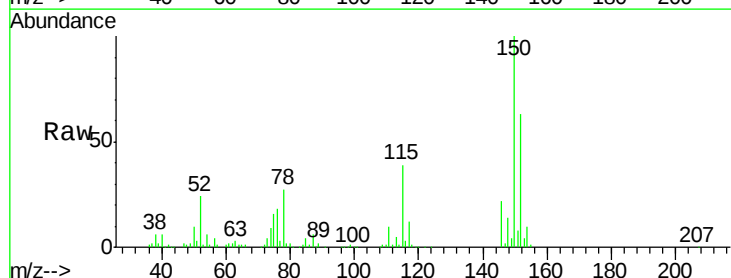
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.8	92.4
150	174.2	0.0	349.0

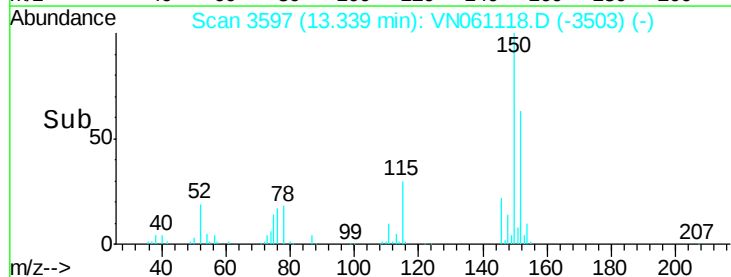
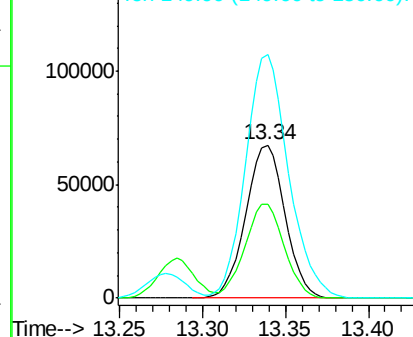


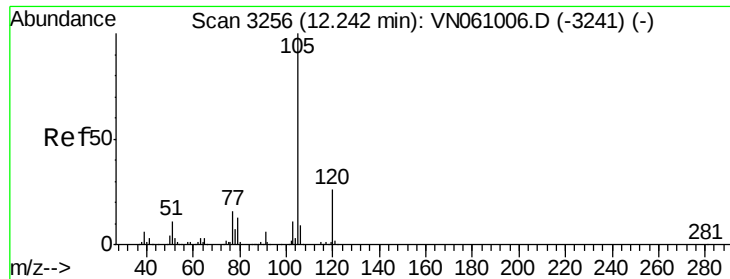
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.294 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 429412

Ion Ratio Lower Upper

105 100

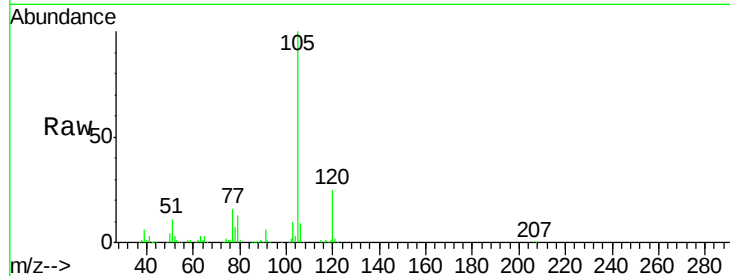
120 25.6 13.0 38.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

250000

200000

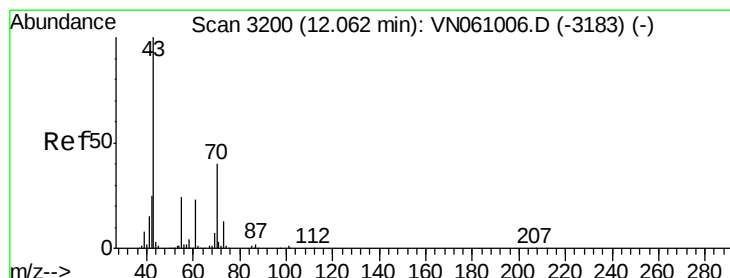
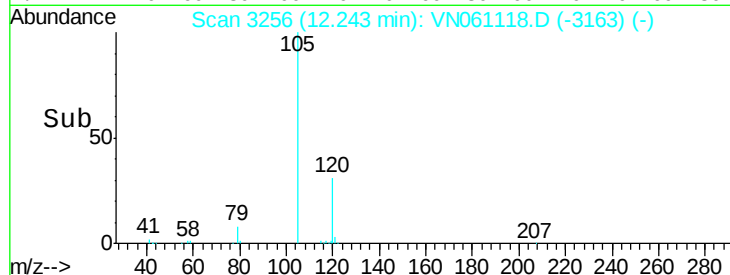
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 46.622 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion: 43 Resp: 192776

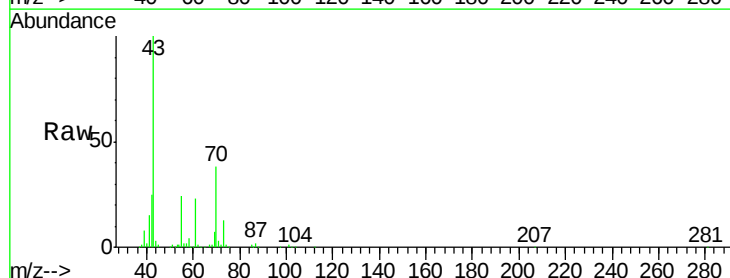
Ion Ratio Lower Upper

43 100

70 38.5 31.0 46.6

55 23.5 18.6 27.8

61 23.1 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

12.06

200000

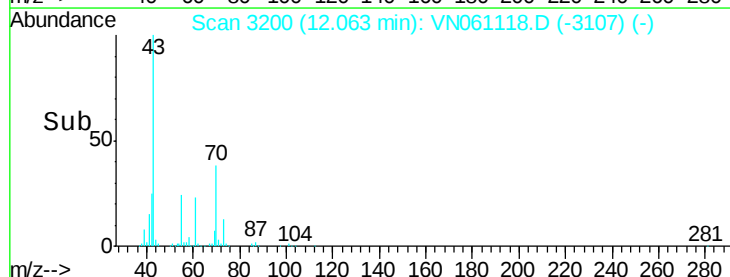
150000

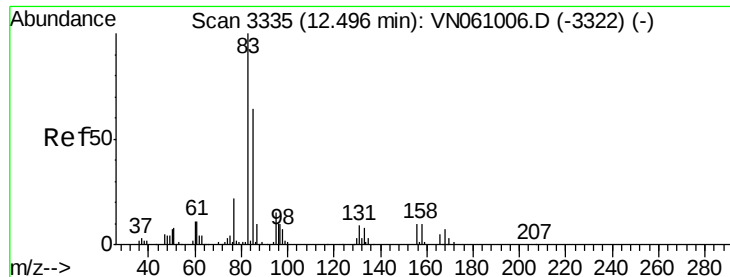
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 48.116 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 130599
Ion Ratio Lower Upper

83 100

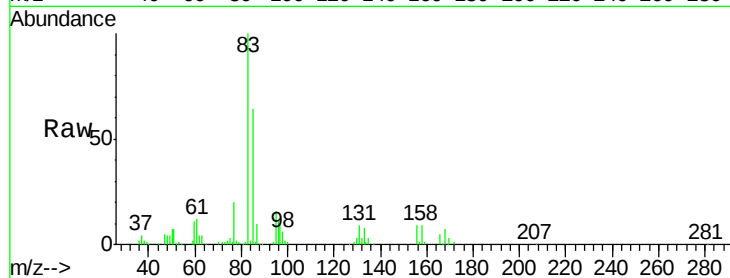
131 9.5 4.8 14.3

85 64.1 32.3 96.8

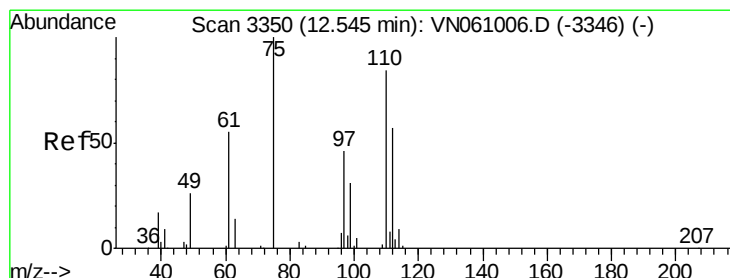
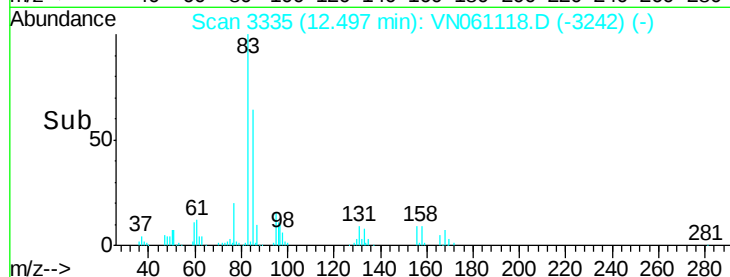
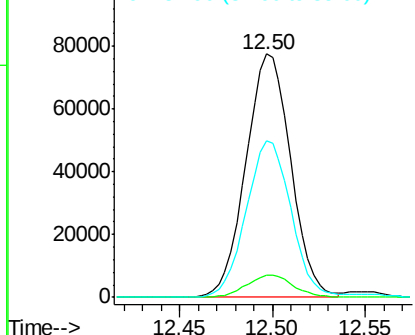
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Abundance Ion 82.90 (82.60 to 83.60): VN061118.D (-3322) (-)
Ion 130.80 (130.50 to 131.50): VN061118.D (-3322) (-)
Ion 84.90 (84.60 to 85.60): VN061118.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 46.537 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

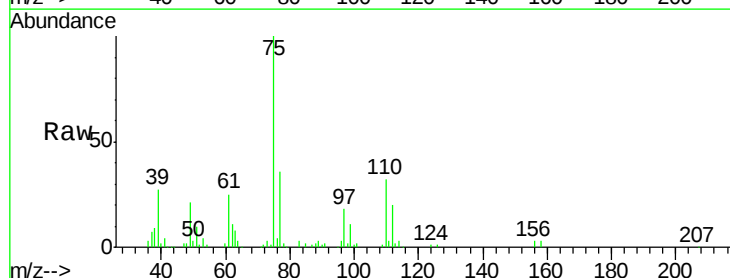
Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

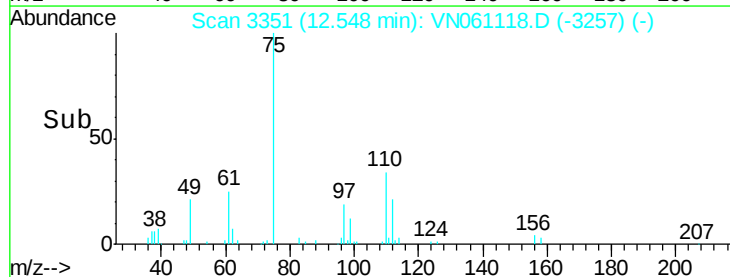
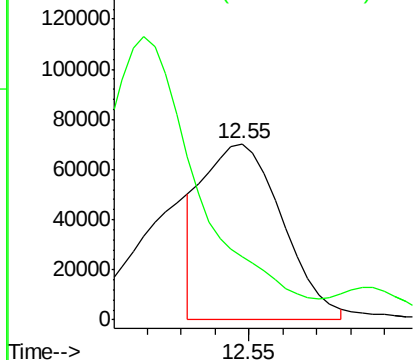
Tgt Ion: 75 Resp: 113607
Ion Ratio Lower Upper

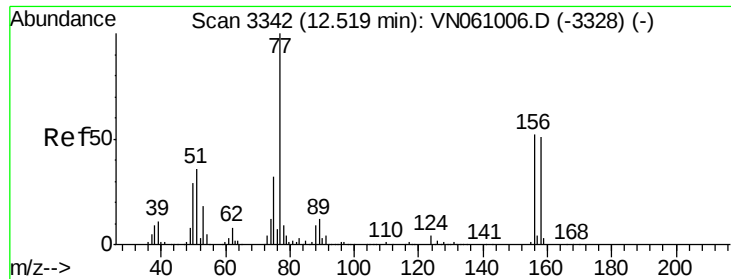
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061118.D (-3351) (-)
Ion 77.00 (76.70 to 77.70): VN061118.D (-3351) (-)





#77

Bromobenzene

Concen: 48.113 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

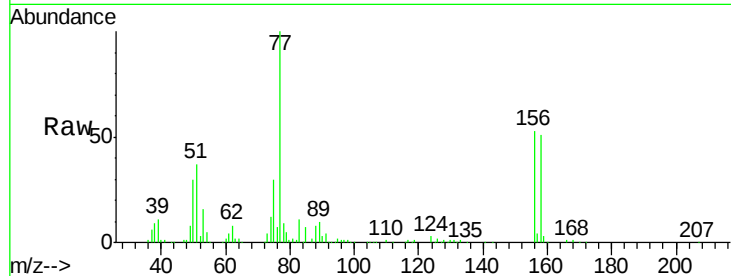
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	228.3		115.6	346.8	
158	97.2		48.9	146.6	

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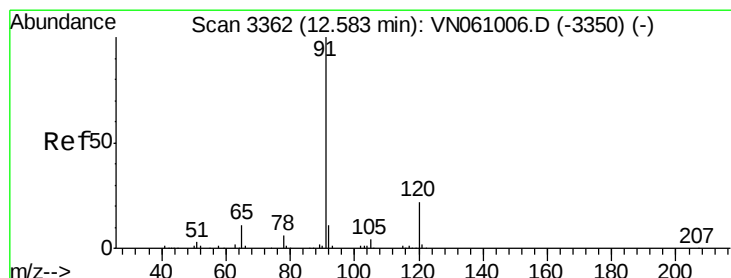
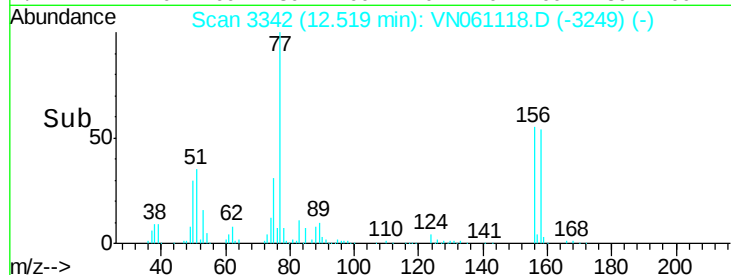
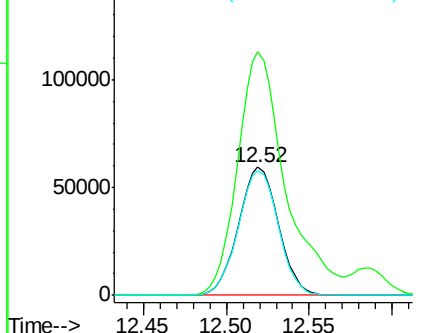
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.022 ug/l

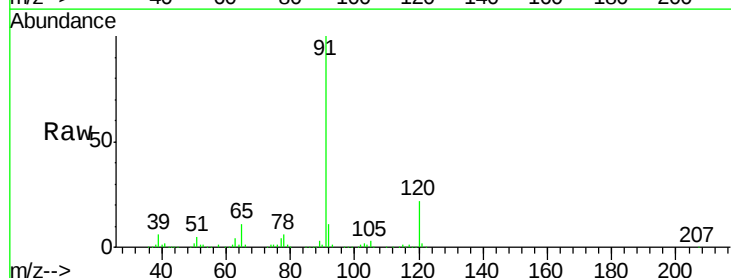
RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061118.D

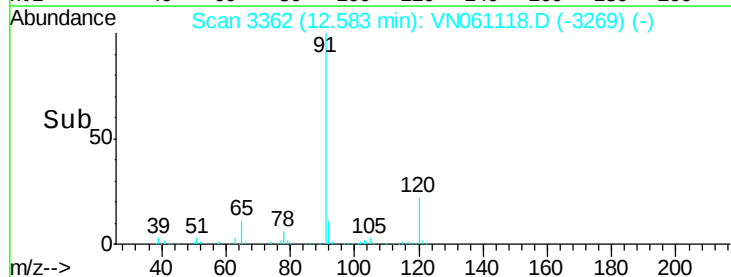
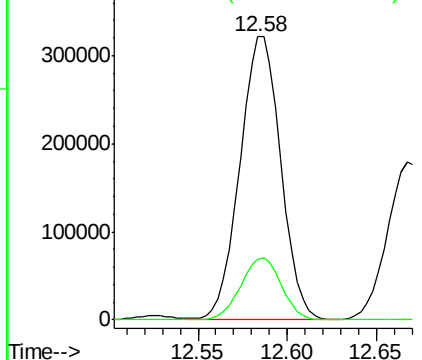
Acq: 20 Apr 2020 22:16

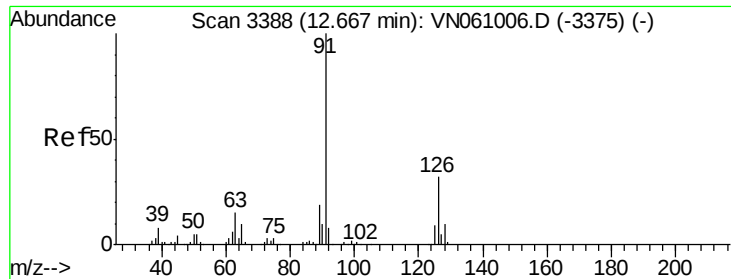
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9		10.9	32.7	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.489 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 295849

Ion Ratio Lower Upper

91 100

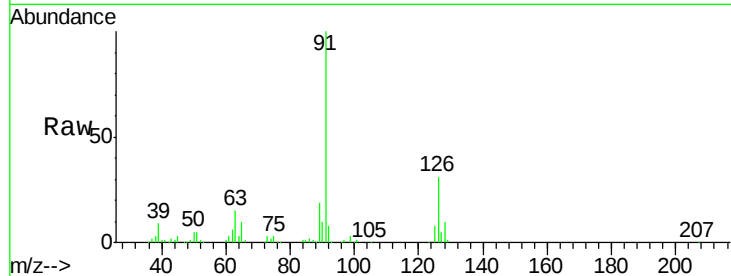
126 31.9 16.1 48.2

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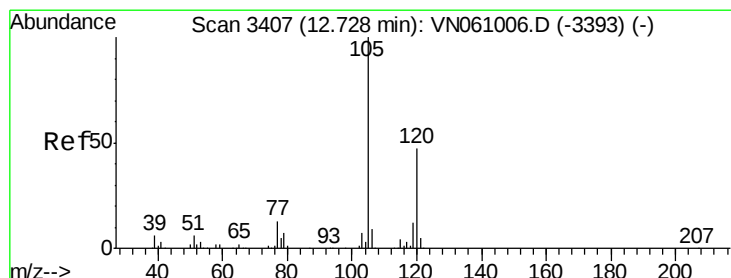
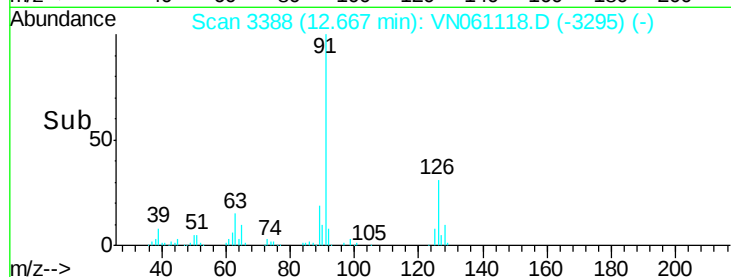
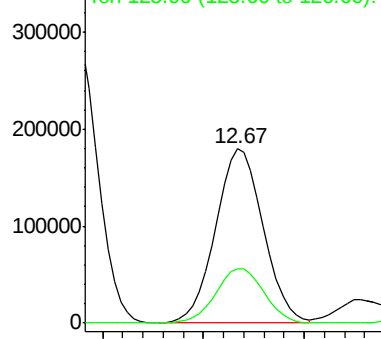
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Abundance Ion 91.00 (90.70 to 91.70): VN061118.D (-3295) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.053 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061118.D

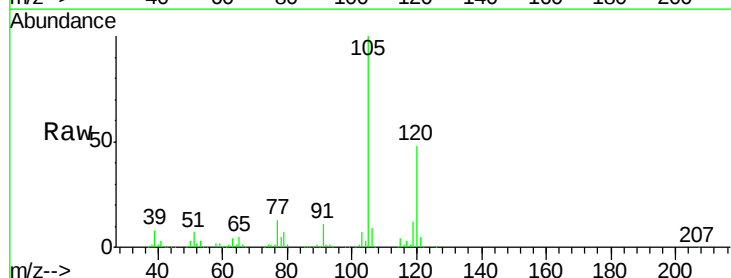
Acq: 20 Apr 2020 22:16

Tgt Ion: 105 Resp: 360515

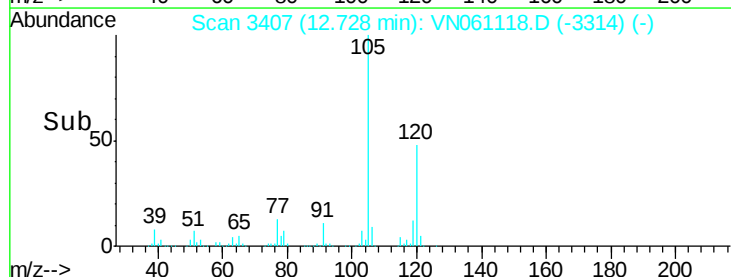
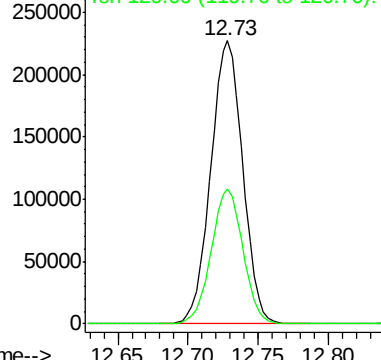
Ion Ratio Lower Upper

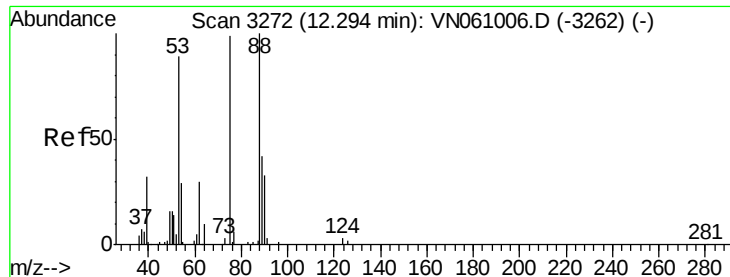
105 100

120 47.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061118.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.266 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Instrument :

MSVOA_N

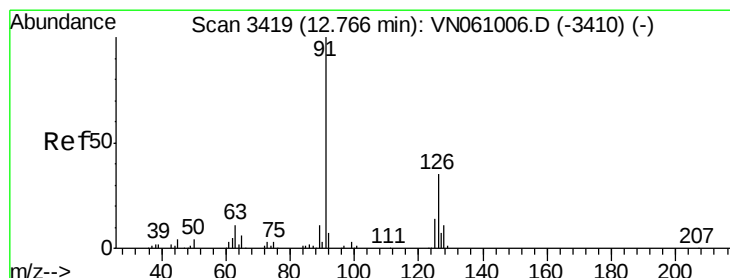
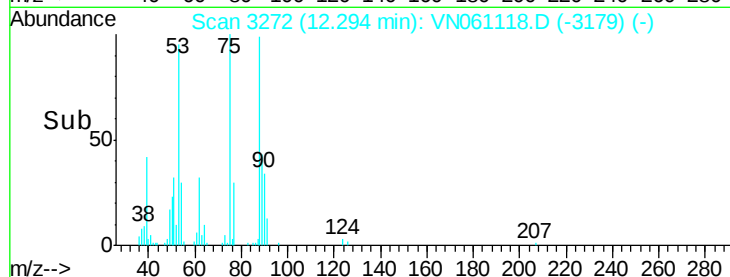
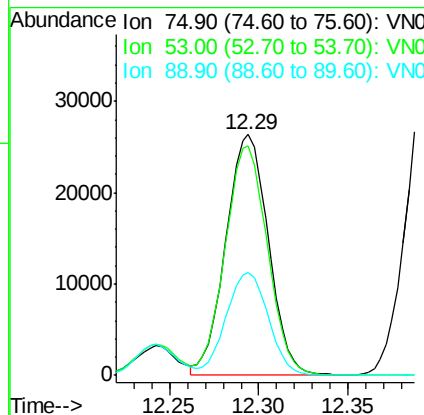
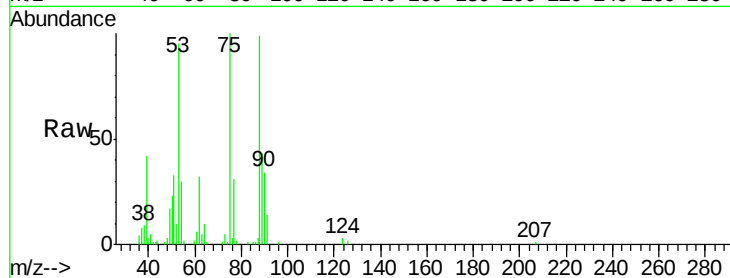
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	43811
Ion Ratio	Lower	Upper	
75	100		
53	94.8	74.7	112.1
89	42.4	34.6	52.0

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#82

4-Chlorotoluene

Concen: 48.809 ug/l

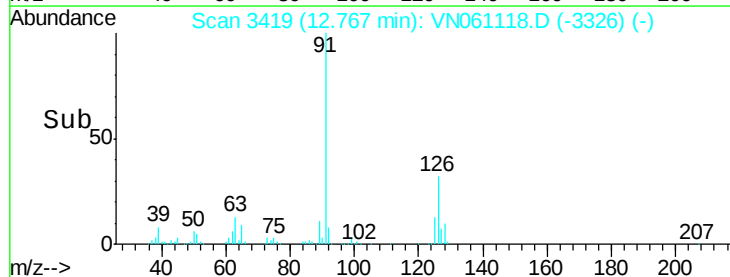
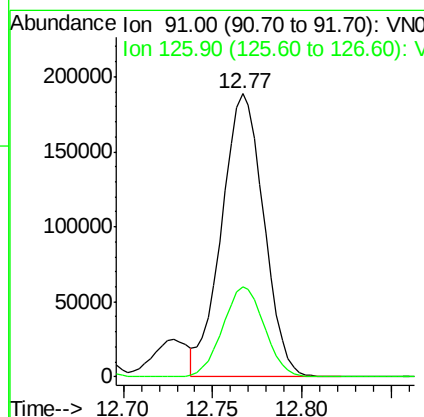
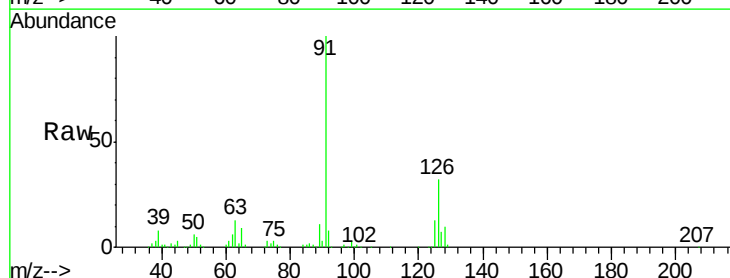
RT: 12.77 min Scan# 3419

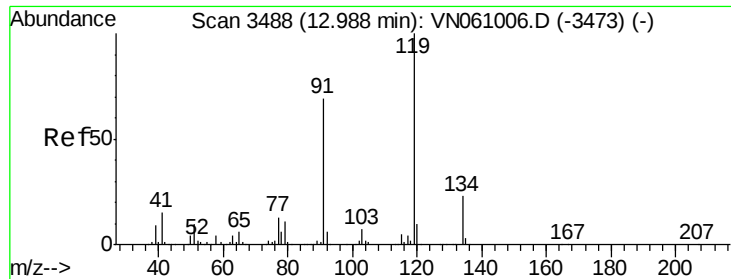
Delta R.T. 0.00 min

Lab File: VN061118.D

Acq: 20 Apr 2020 22:16

Tgt Ion:	91	Resp:	308859
Ion Ratio	Lower	Upper	
91	100		
126	31.6	15.9	47.6





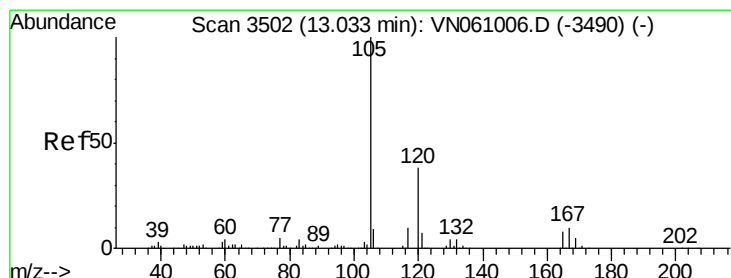
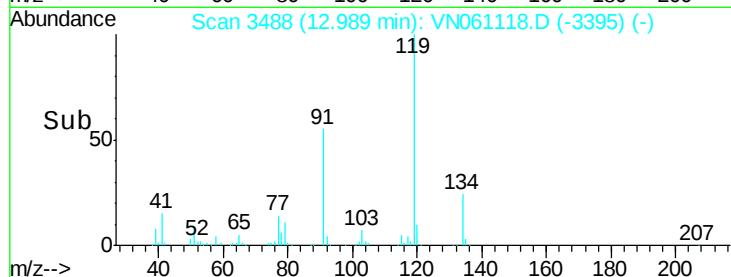
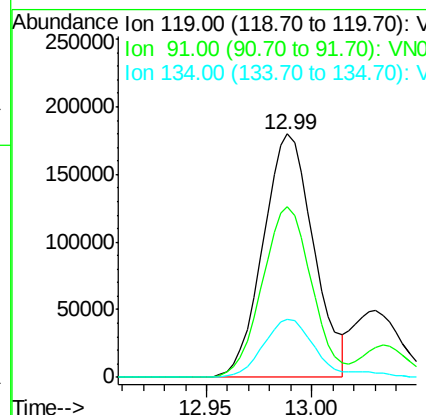
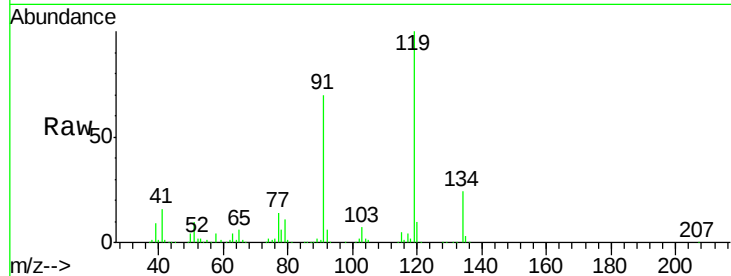
#83
tert-Butylbenzene
Concen: 48.490 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299711		
91	68.8	34.1	102.3	
134	25.2	12.4	37.2	

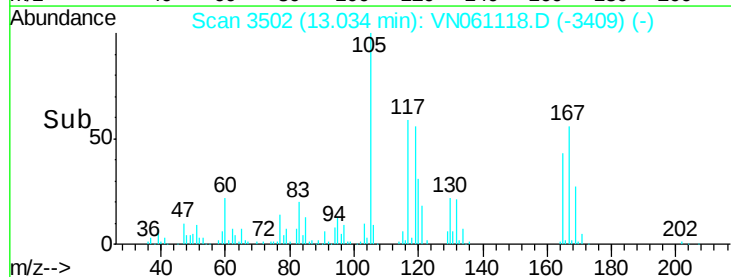
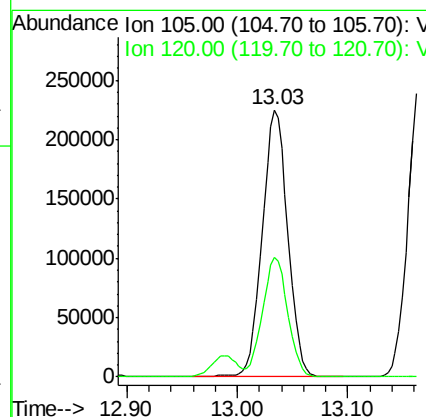
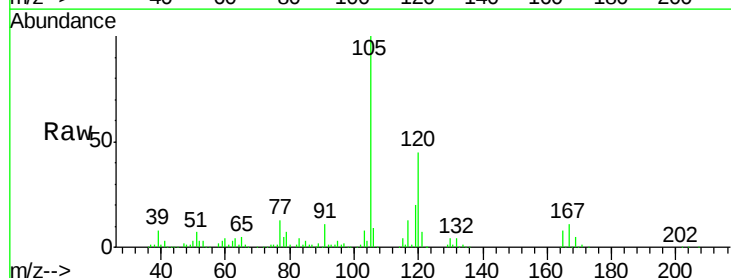
Manual Integrations
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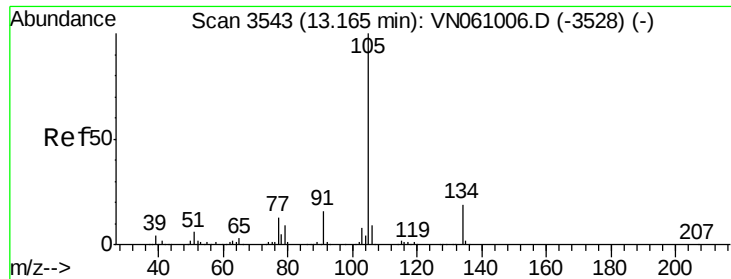
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#84
1,2,4-Trimethylbenzene
Concen: 49.584 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360220		
120	44.5	22.1	66.5	





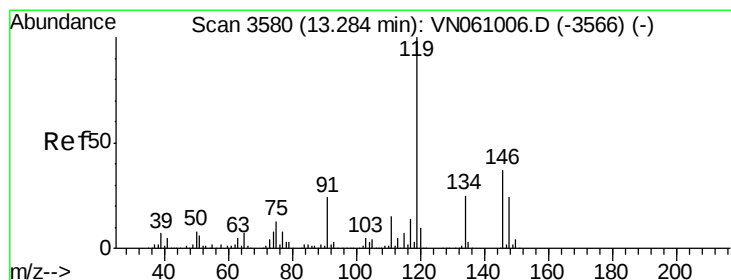
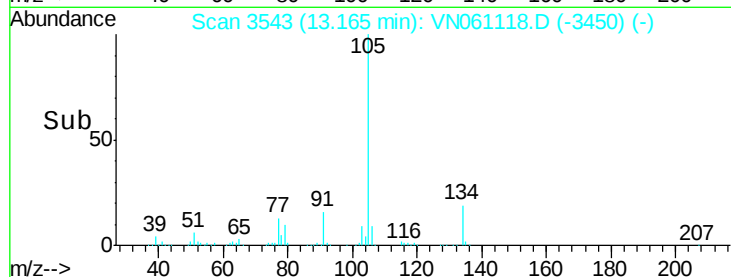
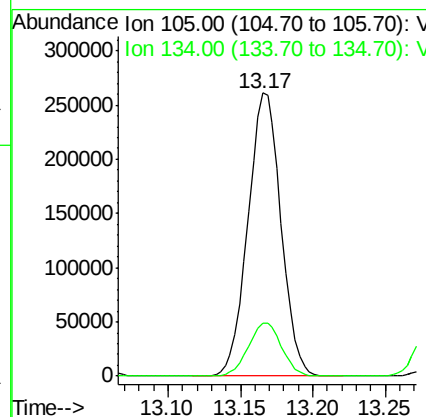
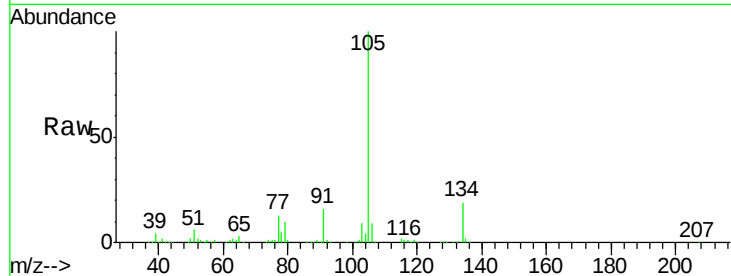
#85
 sec-Butylbenzene
 Concen: 49.385 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.5	28.5

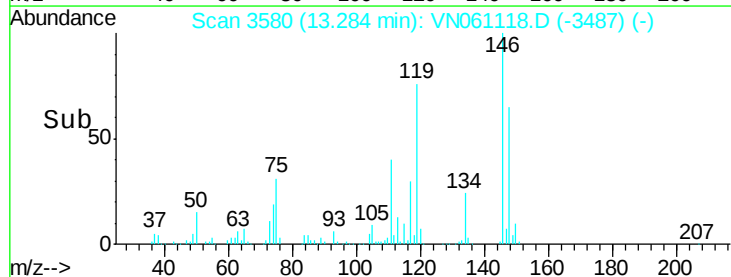
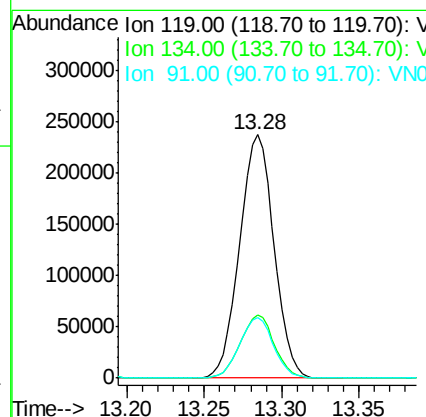
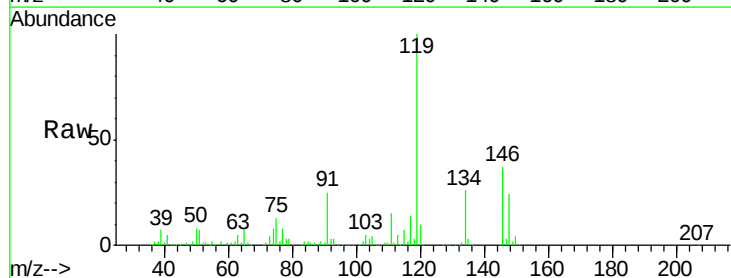
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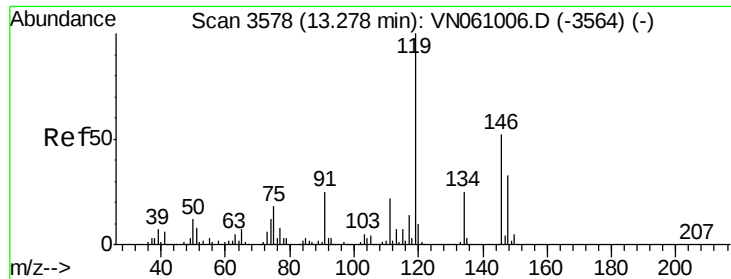
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#86
 p-Isopropyltoluene
 Concen: 48.914 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

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





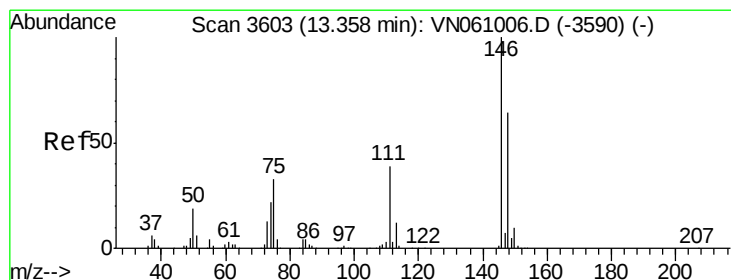
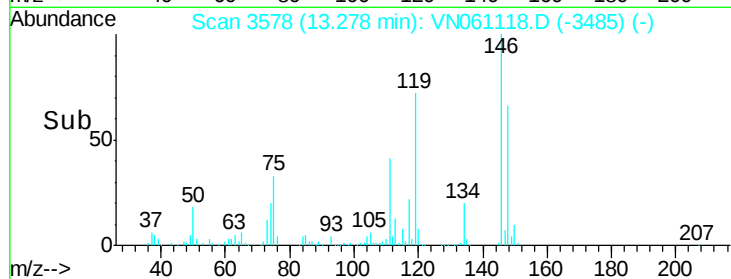
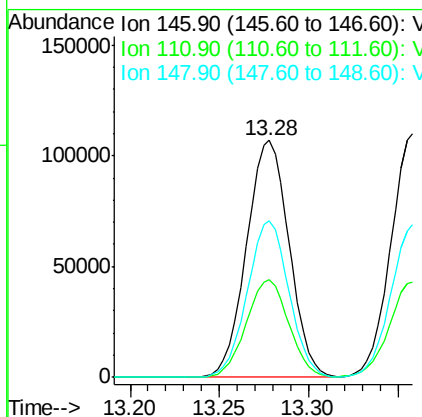
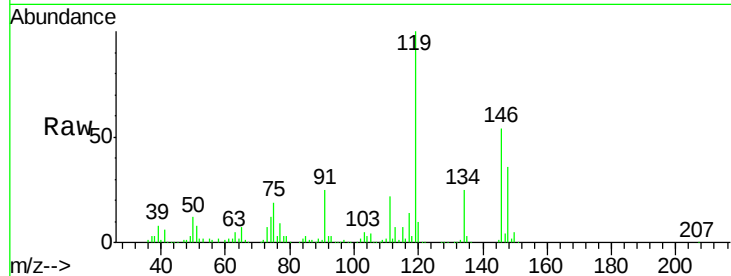
#87
 1,3-Dichlorobenzene
 Concen: 48.220 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.5	31.8	95.3

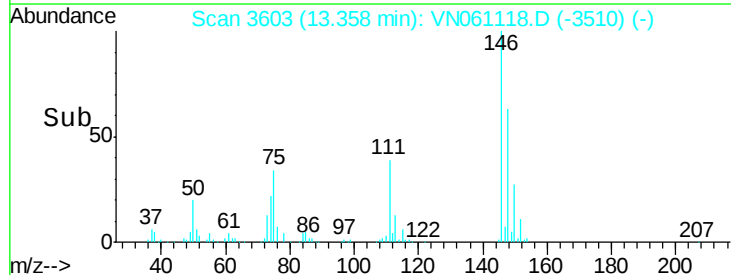
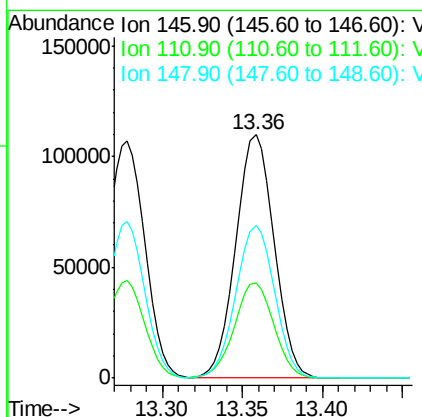
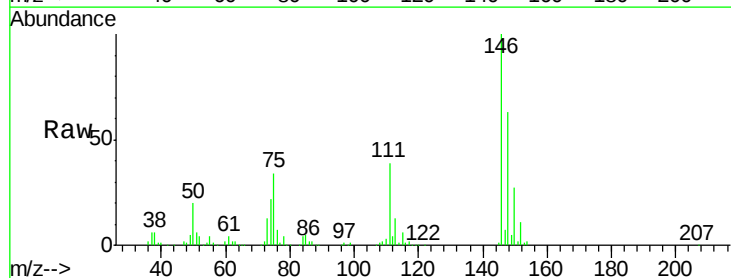
Manual Integrations
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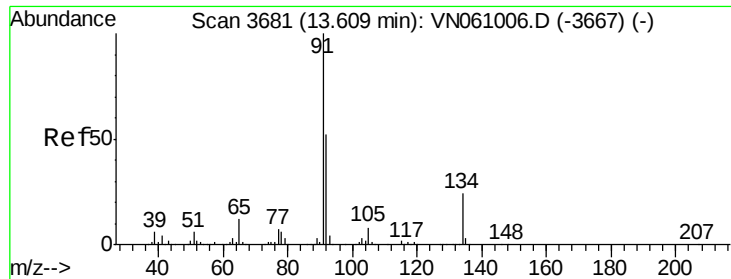
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#88
 1,4-Dichlorobenzene
 Concen: 48.221 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	63.3	32.1	96.3





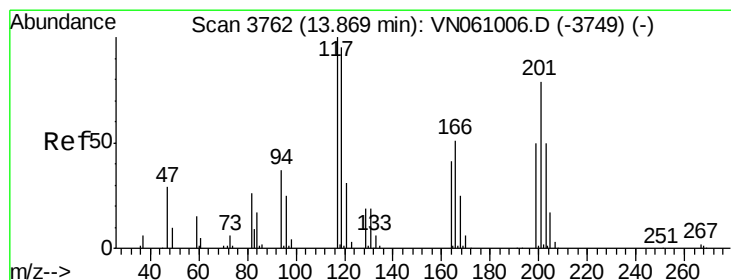
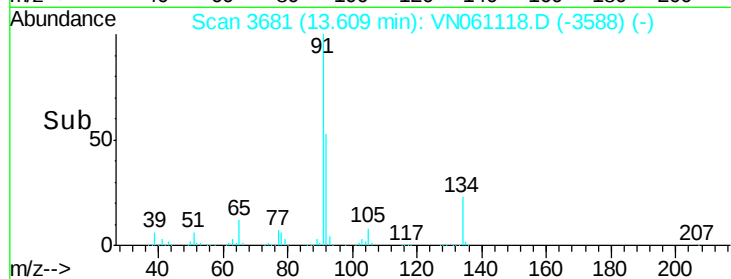
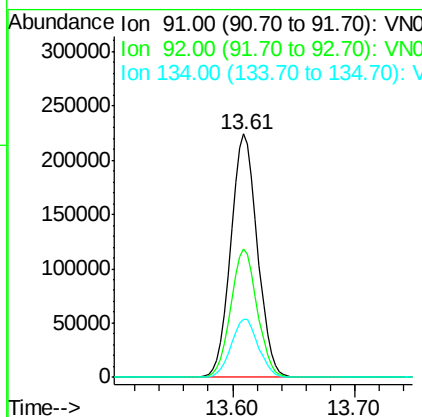
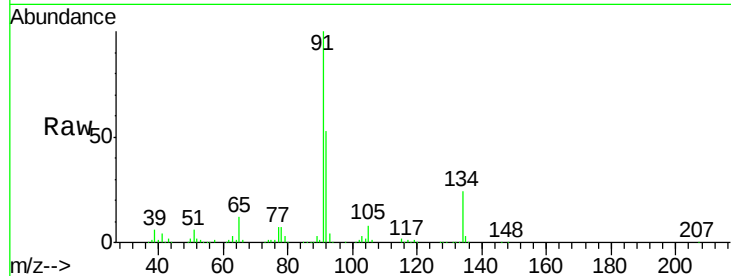
#89
n-Butylbenzene
Concen: 49.057 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.1	78.2
134	24.3	12.3	36.8

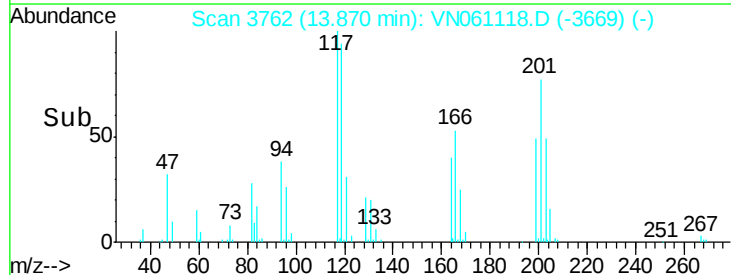
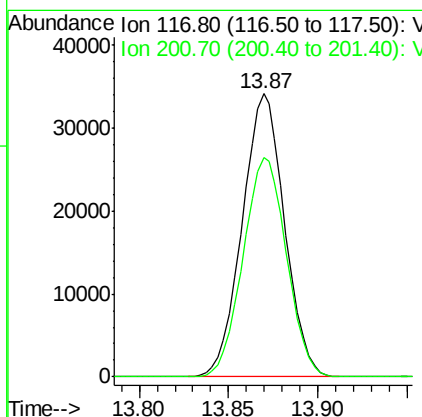
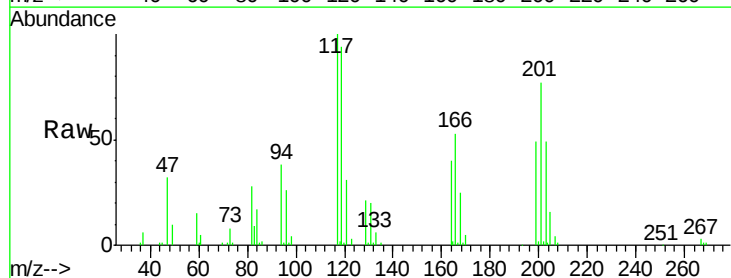
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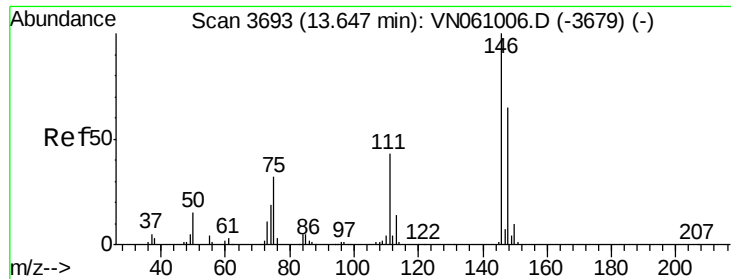
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#90
Hexachloroethane
Concen: 49.473 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.3	117.9





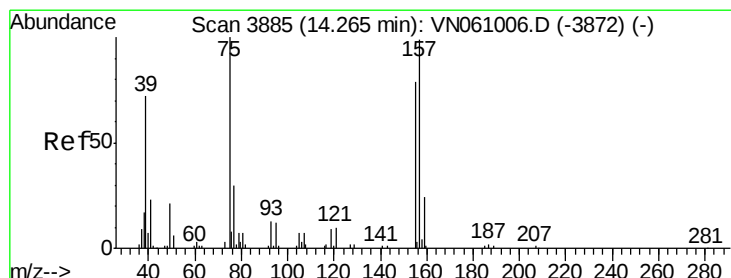
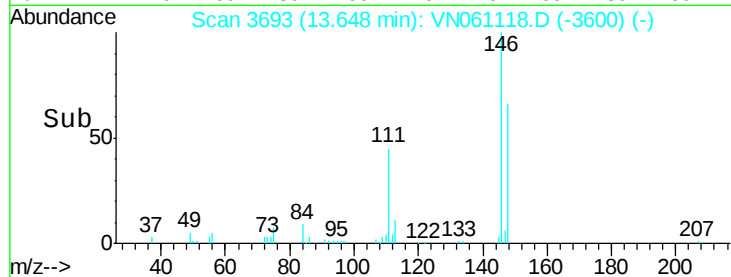
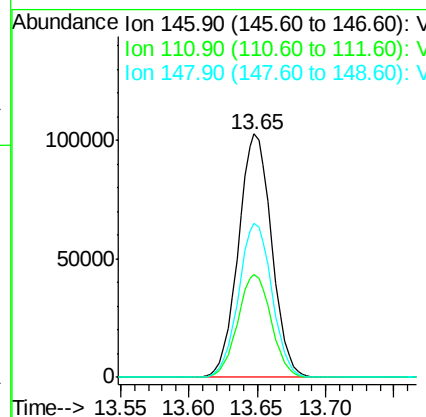
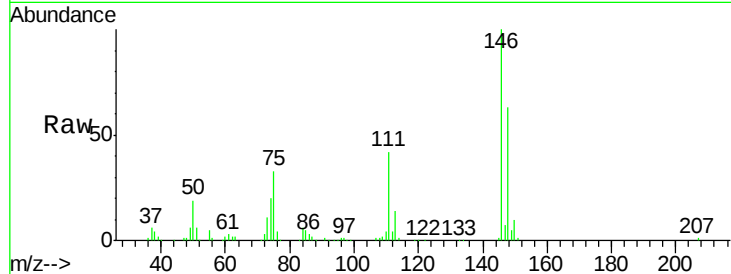
#91
 1,2-Dichlorobenzene
 Concen: 49.141 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	63.4	32.0	96.0

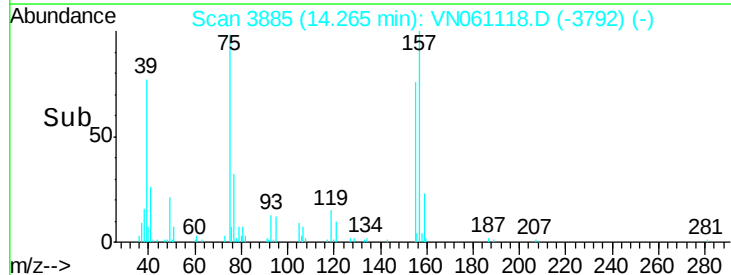
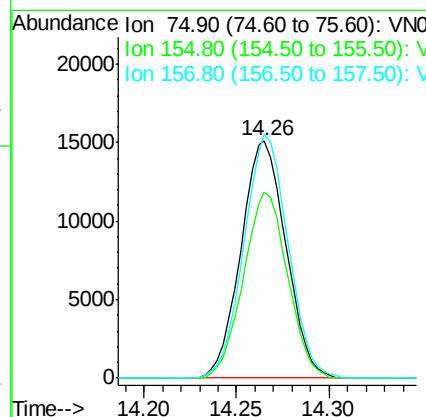
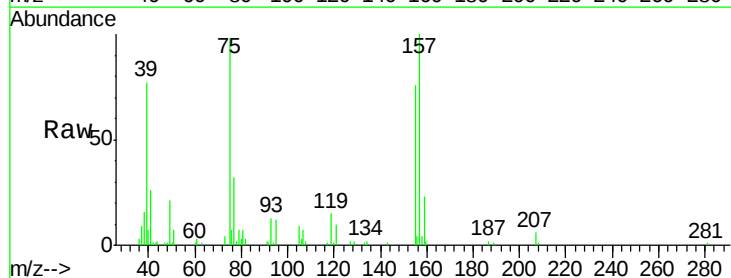
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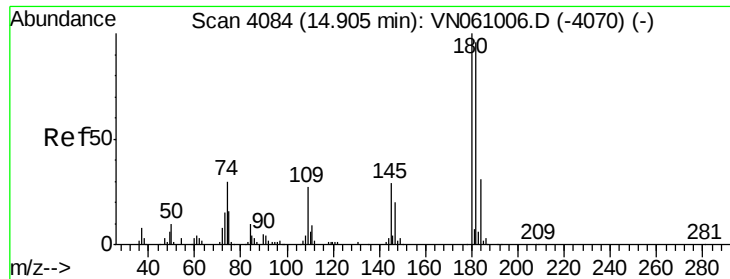
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.502 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	39.5	118.5
157	100.5	50.1	150.4





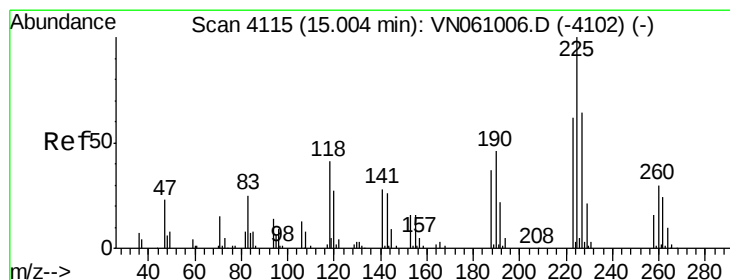
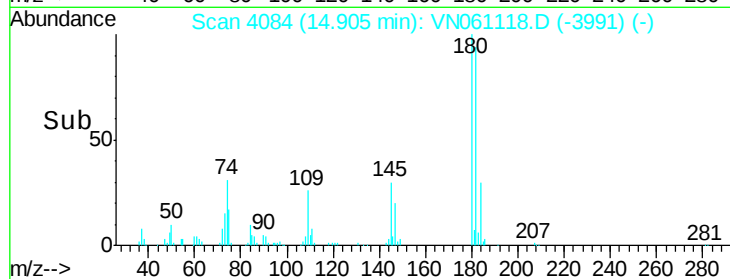
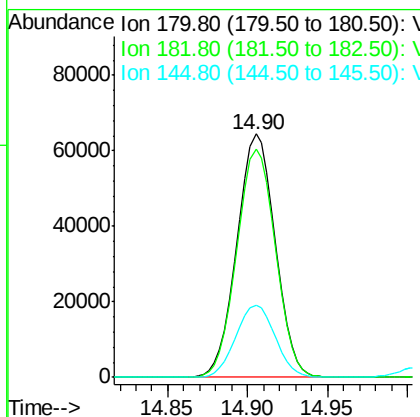
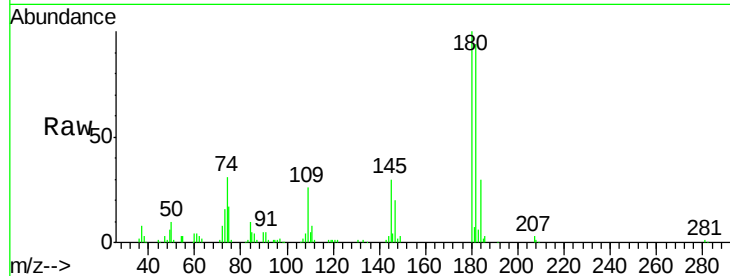
#93
 1,2,4-Trichlorobenzene
 Concen: 50.213 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104947		
182	94.9	47.8	143.3	
145	30.5	15.3	45.8	

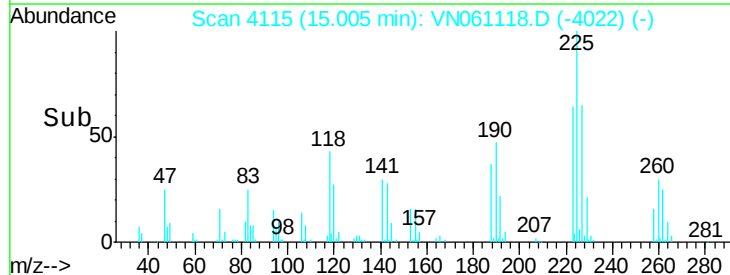
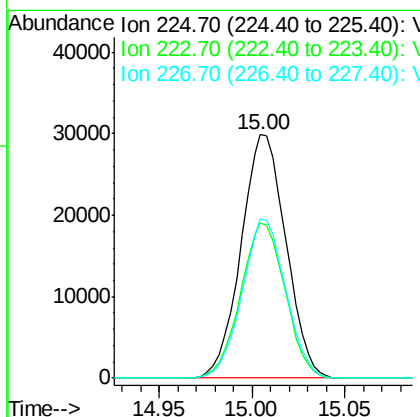
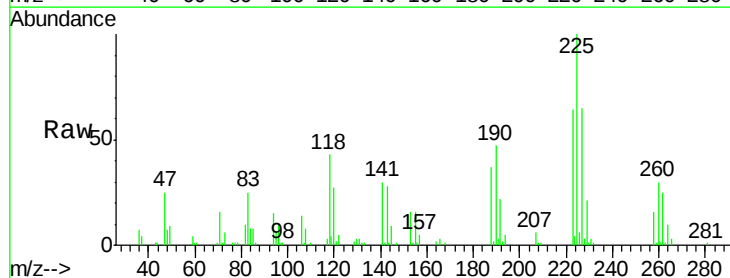
Manual Integrations
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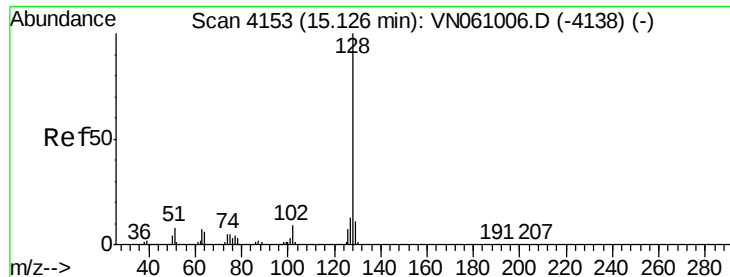
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#94
 Hexachlorobutadiene
 Concen: 46.558 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061118.D
 Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50058		
223	63.0	31.3	93.8	
227	63.4	31.9	95.5	





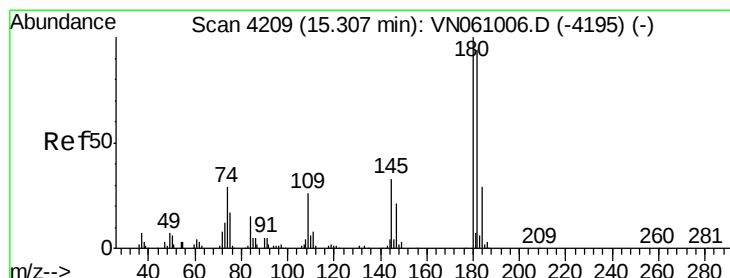
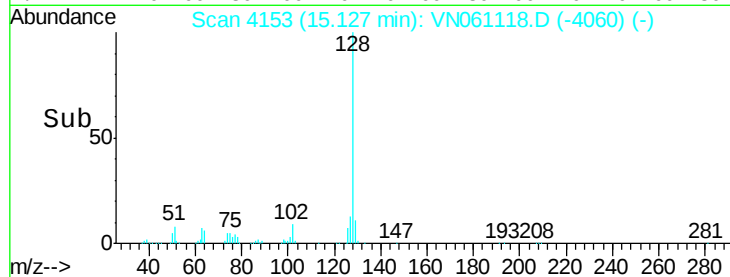
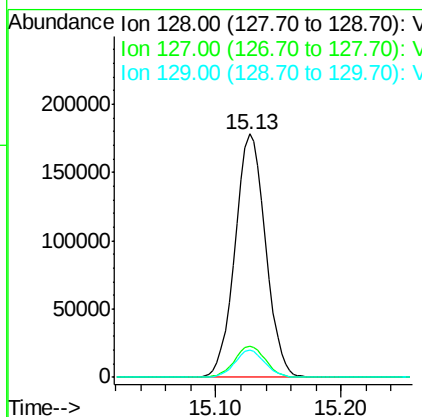
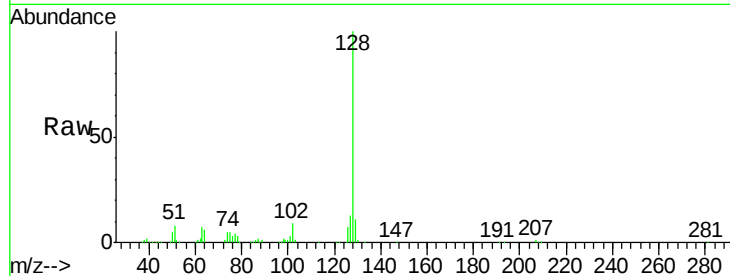
#95
Naphthalene
Concen: 49.323 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.650 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061118.D
Acq: 20 Apr 2020 22:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	32.7	16.4	49.2

