

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061116.D
 Acq On : 20 Apr 2020 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 21 04:04:00 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	151378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110457	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	95335	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.56	113	74918	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.08	98	268779	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.40	95	107935	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	96555	48.270	ug/l	99
3) Chloromethane	2.04	50	129753	48.328	ug/l	99
4) Vinyl Chloride	2.17	62	110460	49.508	ug/l	99
5) Bromomethane	2.55	94	56141	50.176	ug/l	96
6) Chloroethane	2.69	64	65737	51.076	ug/l	100
7) Trichlorofluoromethane	3.00	101	140187	50.469	ug/l	100
8) Diethyl Ether	3.38	74	54197	49.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78768	48.333	ug/l	100
10) Methyl Iodide	3.93	142	75271	52.355	ug/l	99
11) Tert butyl alcohol	4.72	59	71356	207.650	ug/l	99
12) 1,1-Dichloroethene	3.72	96	82547	49.830	ug/l	99
13) Acrolein	3.57	56	67101	231.265	ug/l	99
14) Allyl chloride	4.29	41	146389	46.705	ug/l	99
15) Acrylonitrile	4.94	53	229363	246.170	ug/l	99
16) Acetone	3.78	43	181459	212.861	ug/l	100
17) Carbon Disulfide	4.03	76	251185	48.457	ug/l	99
18) Methyl Acetate	4.28	43	131451	49.174	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	281881	48.801	ug/l	99
20) Methylene Chloride	4.52	84	91949	49.402	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	88113	49.731	ug/l	97
22) Diisopropyl ether	5.91	45	326458	50.150	ug/l	99
23) Vinyl Acetate	5.86	43	1267820	248.363	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173765	49.423	ug/l	99
25) 2-Butanone	6.80	43	299986	229.644	ug/l	100
26) 2,2-Dichloropropane	6.79	77	132843	45.379	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100757	49.533	ug/l	99
28) Bromochloromethane	7.17	49	81785	50.677	ug/l	100
29) Tetrahydrofuran	7.18	42	205311	231.509	ug/l	99
30) Chloroform	7.35	83	165040	50.327	ug/l	100
31) Cyclohexane	7.63	56	167450	46.413	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	141355	49.834	ug/l	99
36) 1,1-Dichloropropene	7.77	75	130878	49.591	ug/l	100
37) Ethyl Acetate	6.89	43	133193	46.479	ug/l	100
38) Carbon Tetrachloride	7.75	117	113280	51.567	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	152833	48.438	ug/l	99
40) Benzene	8.02	78	384793	49.147	ug/l	100
41) Methacrylonitrile	7.18	41	188896	158.036	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	133726	50.138	ug/l	100
43) Isopropyl Acetate	8.14	43	226604	48.621	ug/l	100
44) Trichloroethene	8.81	130	94363	47.966	ug/l	99
45) 1,2-Dichloropropane	9.10	63	103604	48.991	ug/l	98
46) Dibromomethane	9.19	93	62429	51.202	ug/l	100
47) Bromodichloromethane	9.38	83	130053	50.491	ug/l	98
48) Methyl methacrylate	9.18	41	101286	49.176	ug/l	99
49) 1,4-Dioxane	9.18	88	23357	819.239	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	654080	243.450	ug/l	99
52) Toluene	10.14	92	230479	49.070	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	148515	49.638	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	160774	49.249	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	88358	49.710	ug/l	94
56) Ethyl methacrylate	10.42	69	141288	50.549	ug/l	98
57) 1,3-Dichloropropane	10.70	76	157985	49.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	311250	245.064	ug/l	100
59) 2-Hexanone	10.74	43	467236	241.141	ug/l	99
60) Dibromochloromethane	10.89	129	94441	51.723	ug/l	99
61) 1,2-Dibromoethane	10.99	107	90766	50.113	ug/l	98
64) Tetrachloroethene	10.62	164	88965	49.401	ug/l	99
65) Chlorobenzene	11.42	112	235172	48.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86324	49.664	ug/l	99
67) Ethyl Benzene	11.50	91	451013	49.352	ug/l	100
68) m/p-Xylenes	11.61	106	327318	99.106	ug/l	100
69) o-Xylene	11.94	106	156114	49.162	ug/l	99
70) Styrene	11.96	104	263315	51.507	ug/l	99
71) Bromoform	12.12	173	66565	51.306	ug/l #	100
73) Isopropylbenzene	12.24	105	425776	48.114	ug/l	99
74) N-amyl acetate	12.06	43	196219	47.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129378	47.895	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171296	70.504	ug/l #	100
77) Bromobenzene	12.52	156	99915	48.358	ug/l	98
78) n-propylbenzene	12.58	91	505283	48.804	ug/l	100
79) 2-Chlorotoluene	12.67	91	294984	48.579	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	359191	49.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	43633	44.297	ug/l	99
82) 4-Chlorotoluene	12.77	91	308308	48.955	ug/l	100
83) tert-Butylbenzene	12.99	119	299649	48.712	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	356906	49.363	ug/l	99
85) sec-Butylbenzene	13.17	105	410256	49.222	ug/l	99
86) p-Isopropyltoluene	13.28	119	363246	48.942	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	179272	48.687	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	177529	47.924	ug/l	100
89) n-Butylbenzene	13.61	91	339954	49.256	ug/l	99
90) Hexachloroethane	13.87	117	56885	49.956	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	172433	49.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25202	48.206	ug/l	98

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QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

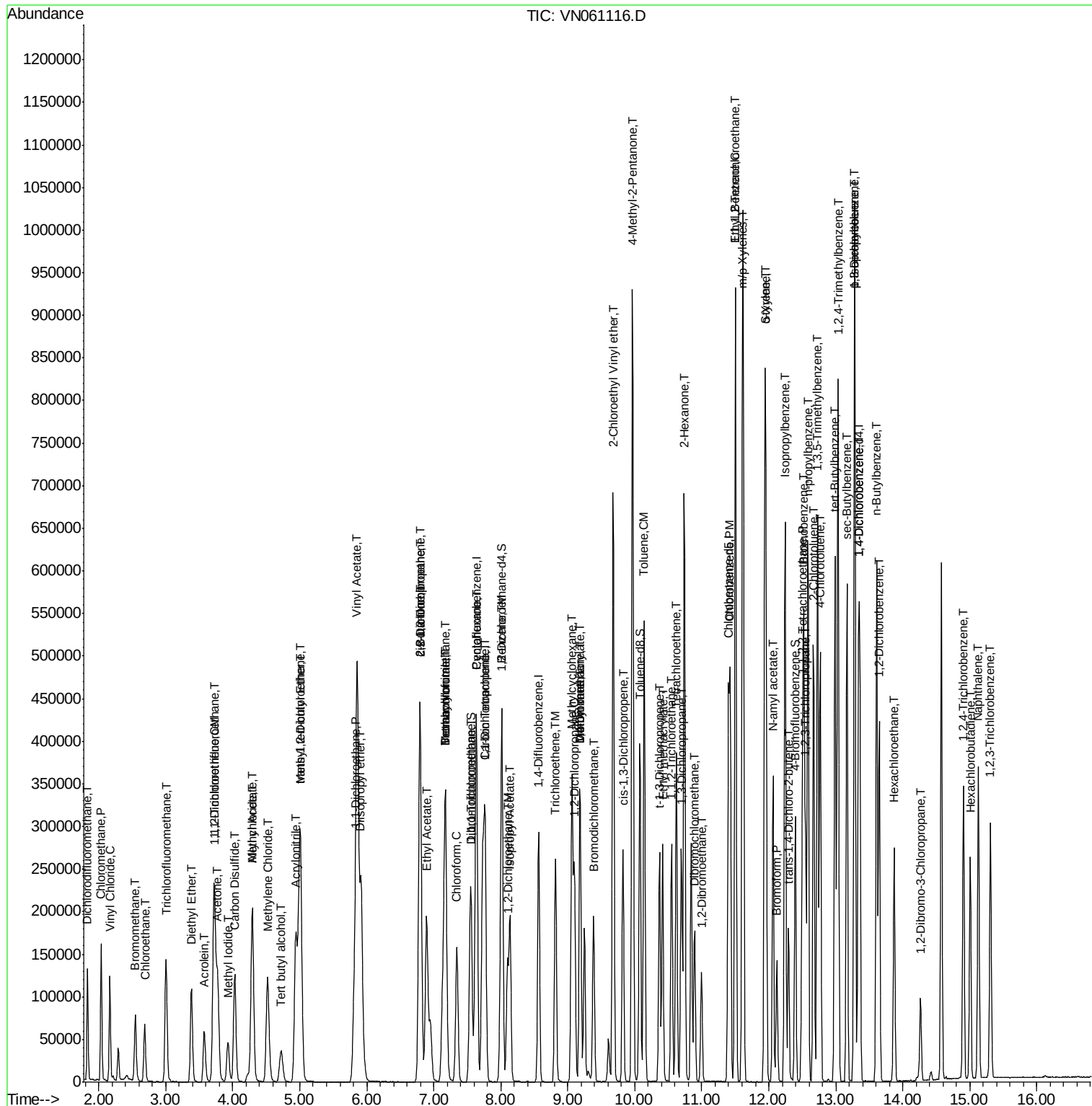
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	105828	50.877	ug/l	99
94) Hexachlorobutadiene	15.01	225	50908	47.575	ug/l	99
95) Naphthalene	15.13	128	308370	50.833	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	101632	50.700	ug/l	99

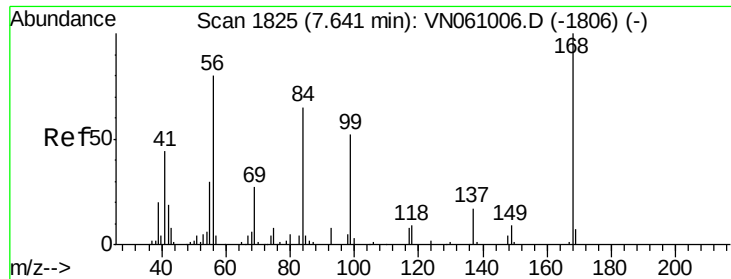
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

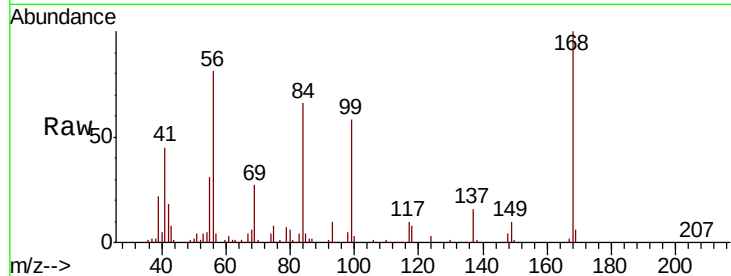
VSTDCCC050EC

Tot Ion:168 Resp: 151378

Ion Ratio Lower Upper

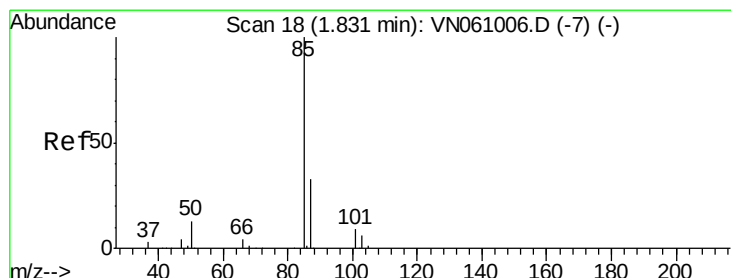
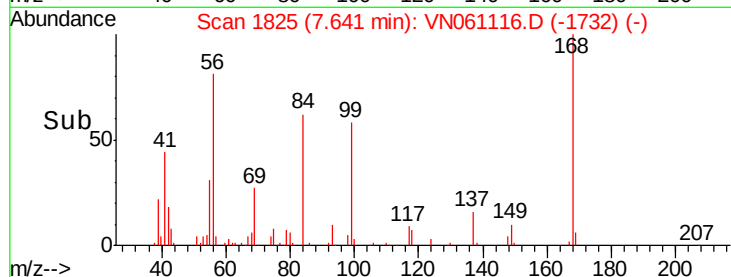
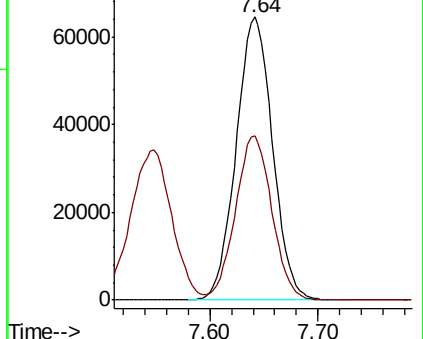
168 100

99 58.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.270 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061116.D

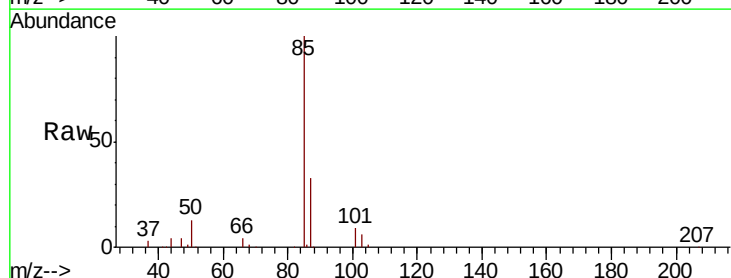
Acq: 20 Apr 2020 20:46

Tgt Ion: 85 Resp: 96555

Ion Ratio Lower Upper

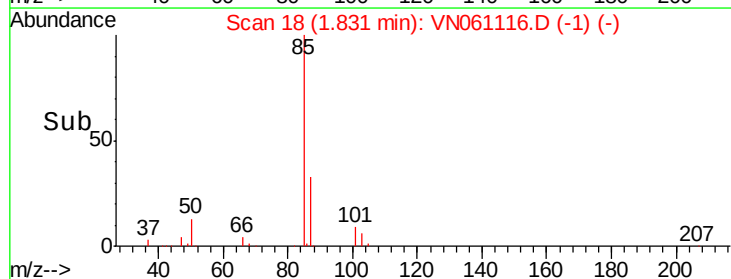
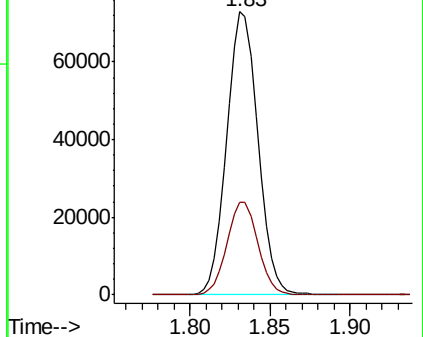
85 100

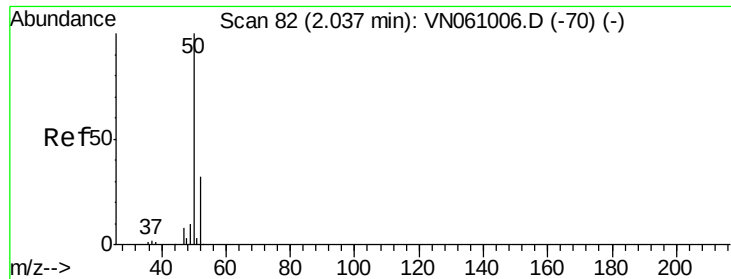
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.328 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

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ClientSampleId :

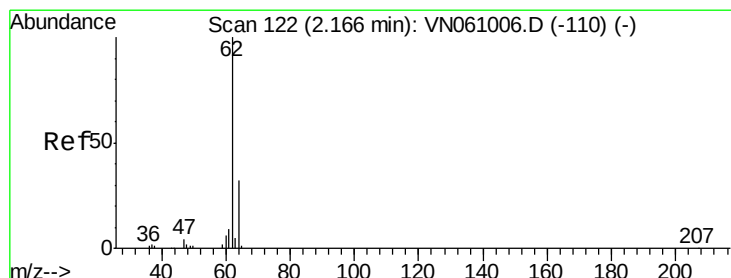
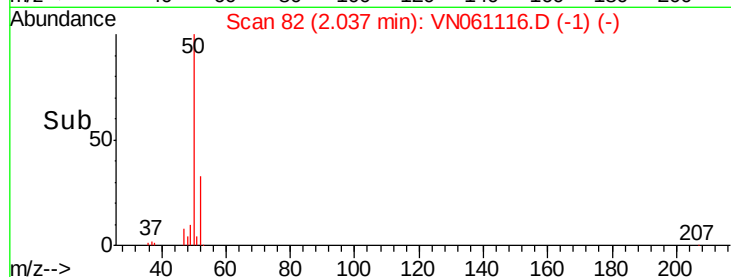
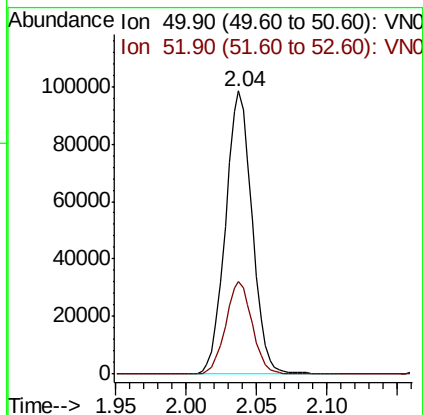
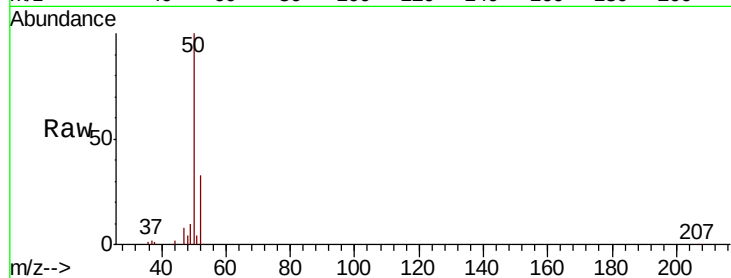
VSTDCCC050EC

Tot Ion: 50 Resp: 129753

Ion Ratio Lower Upper

50 100

52 32.8 25.6 38.4



#4

Vinyl Chloride

Concen: 49.508 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061116.D

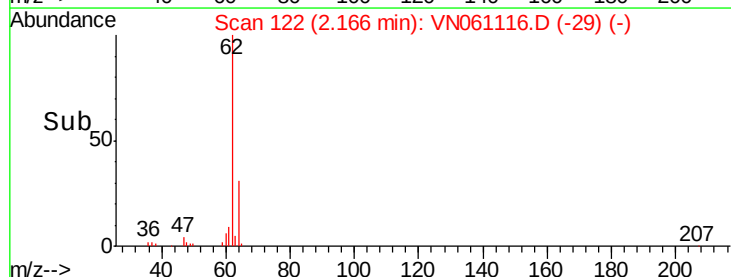
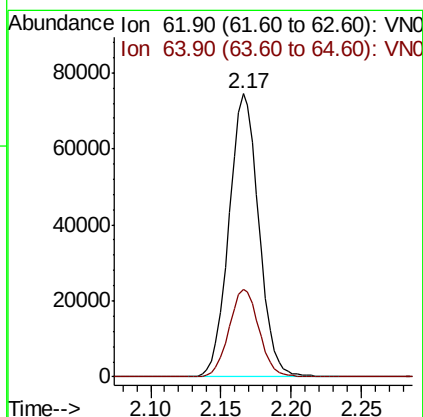
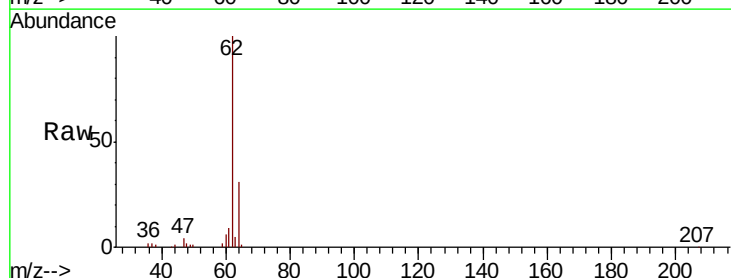
Acq: 20 Apr 2020 20:46

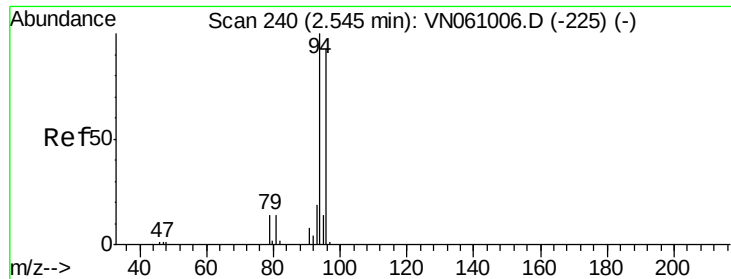
Tgt Ion: 62 Resp: 110460

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0





#5

Bromomethane

Concen: 50.176 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

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ClientSampleId :

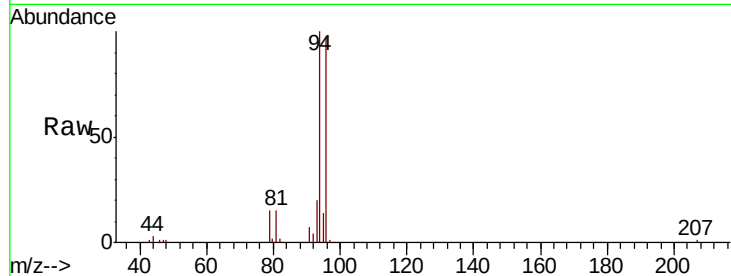
VSTDCCC050EC

Tot Ion: 94 Resp: 56141

Ion Ratio Lower Upper

94 100

96 96.6 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

30000

25000

20000

15000

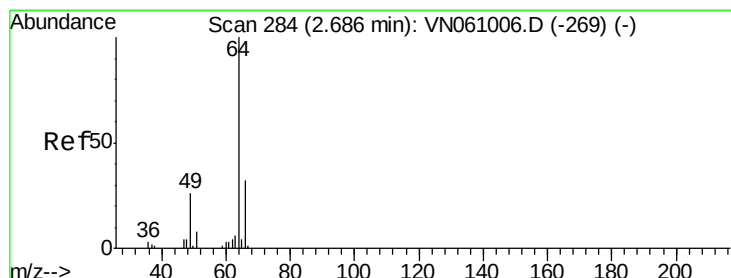
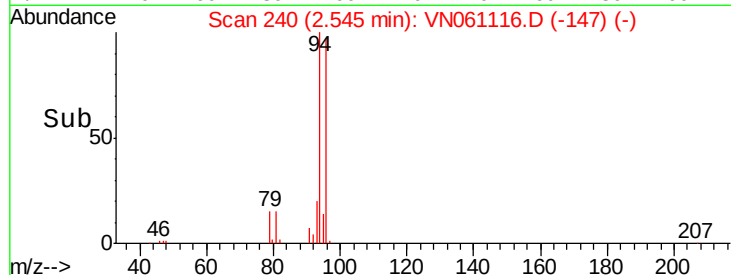
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 51.076 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061116.D

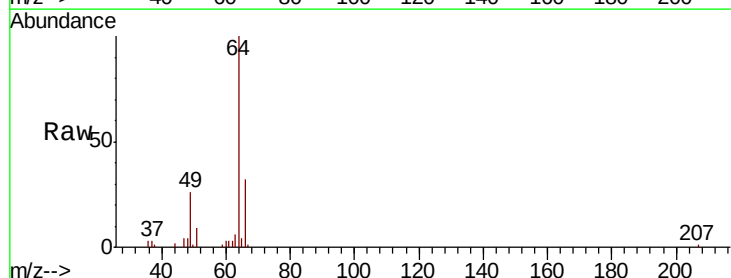
Acq: 20 Apr 2020 20:46

Tgt Ion: 64 Resp: 65737

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

30000

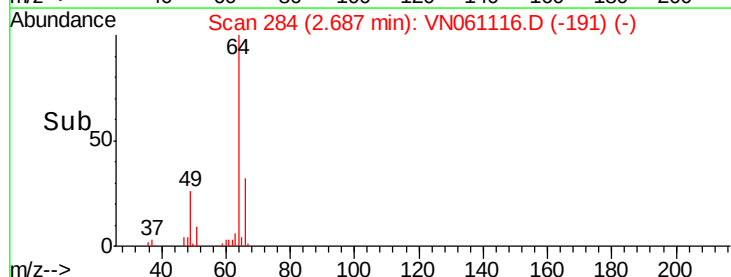
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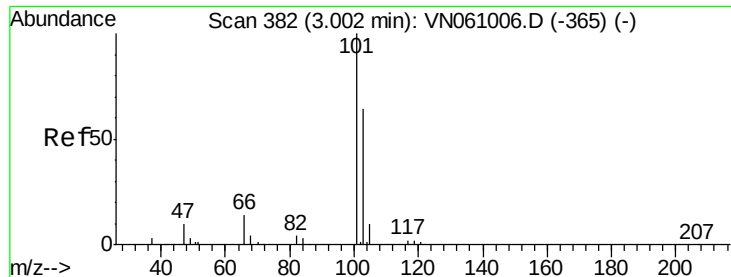
10000

0

Time-->

2.60 2.70 2.80



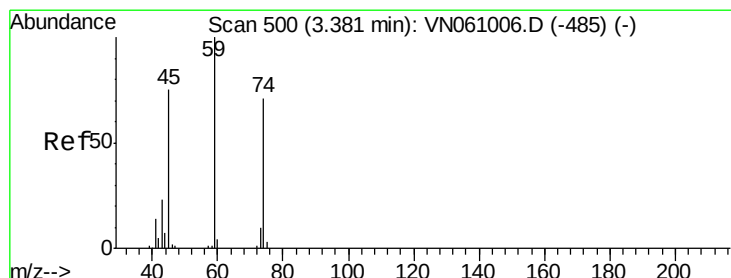
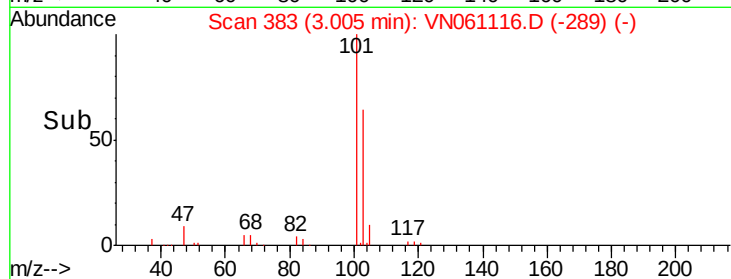
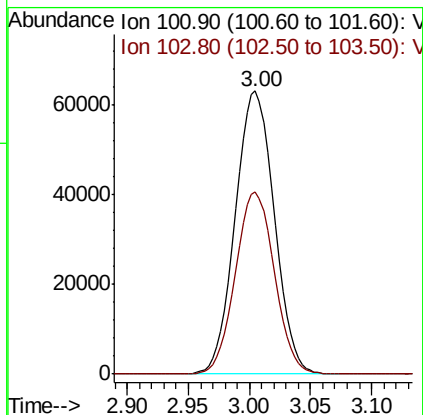
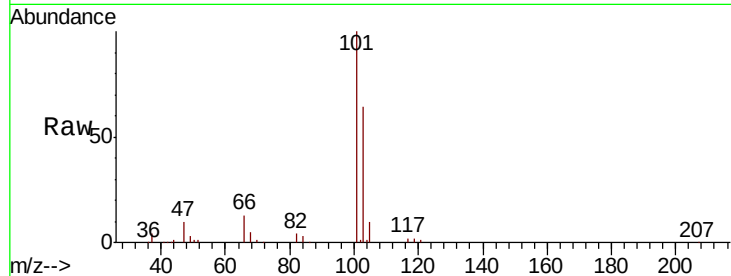


#7

Trichlorofluoromethane
 Concen: 50.469 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061116.D
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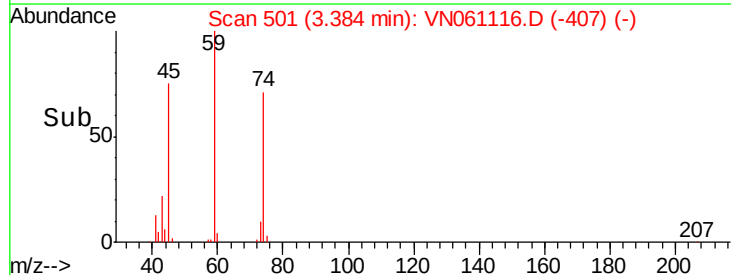
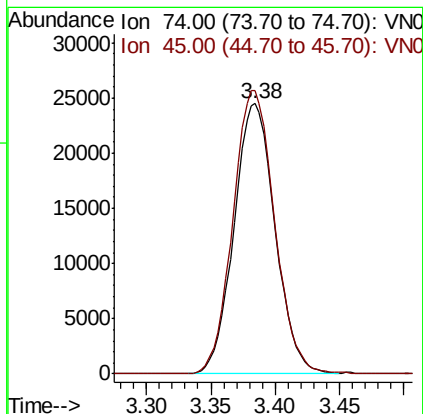
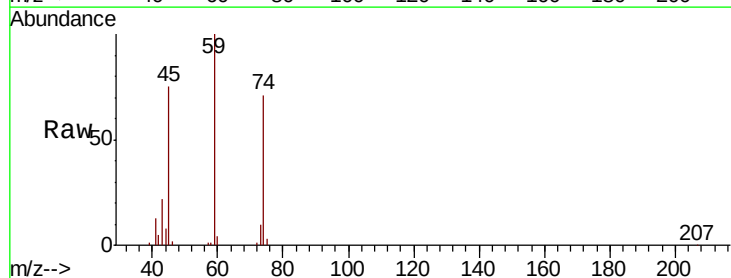
Tot Ion:101 Resp: 140187
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.2

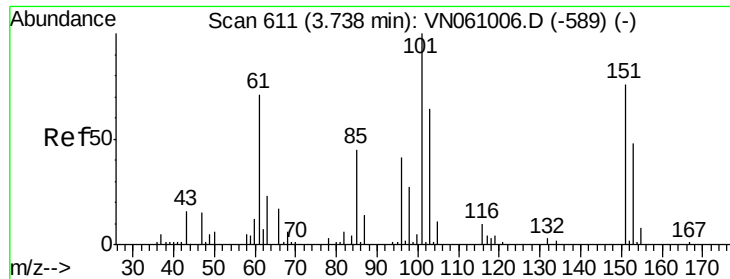


#8

Diethyl Ether
 Concen: 49.092 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 74 Resp: 54197
 Ion Ratio Lower Upper
 74 100
 45 106.6 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.333 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

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VSTDCCC050EC

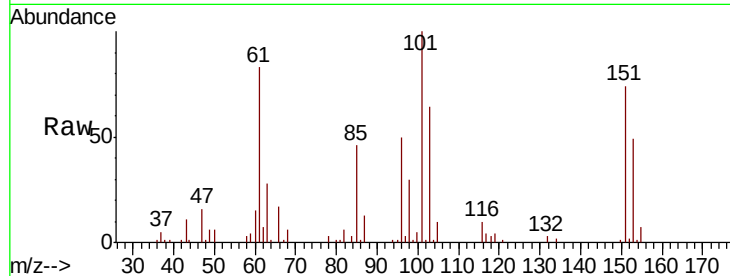
Tot Ion:101 Resp: 78768

Ion Ratio Lower Upper

101 100

85 45.4 35.9 53.9

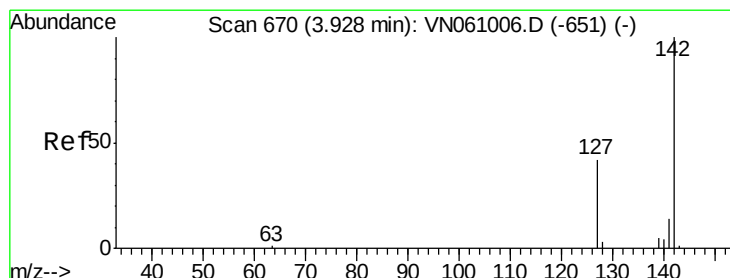
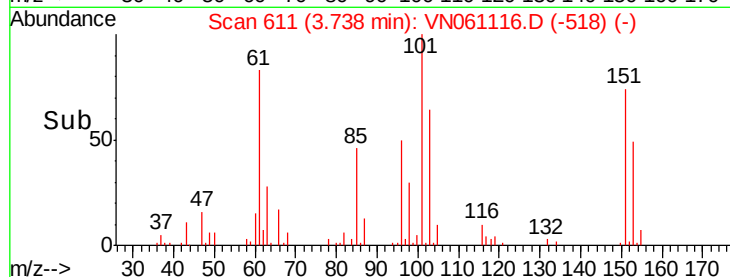
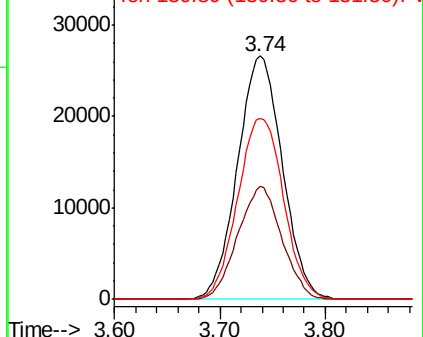
151 76.1 60.8 91.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.355 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

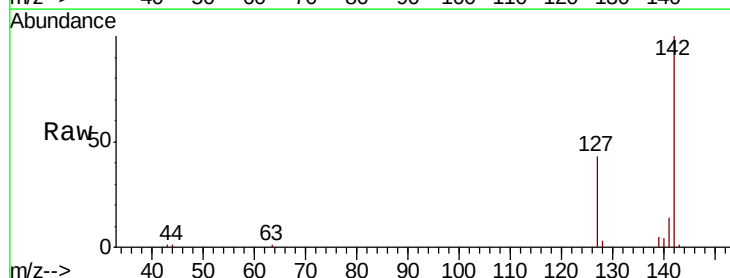
Tgt Ion:142 Resp: 75271

Ion Ratio Lower Upper

142 100

127 42.7 33.4 50.2

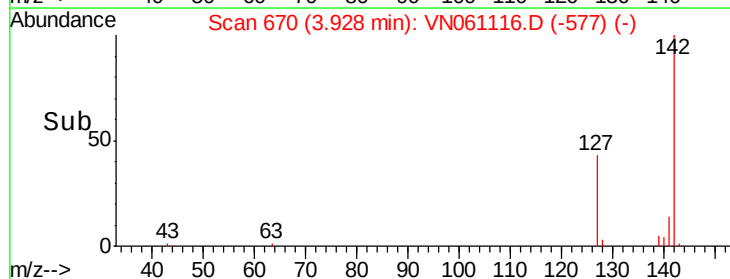
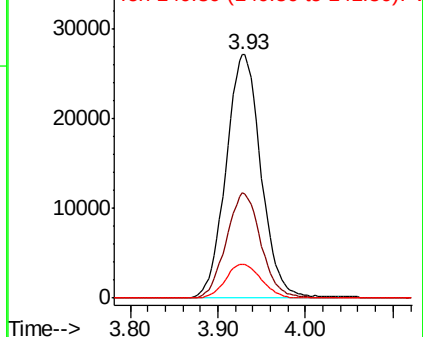
141 14.1 11.0 16.6

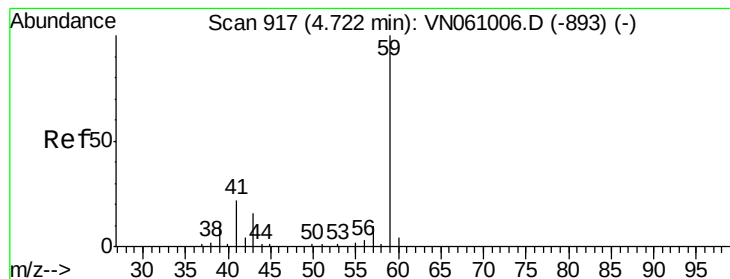


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



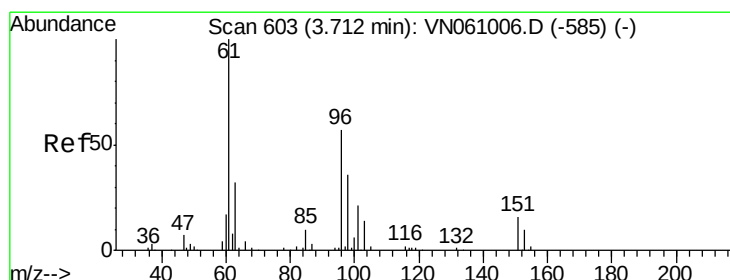
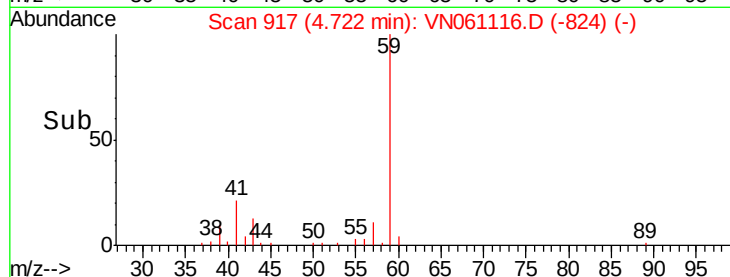
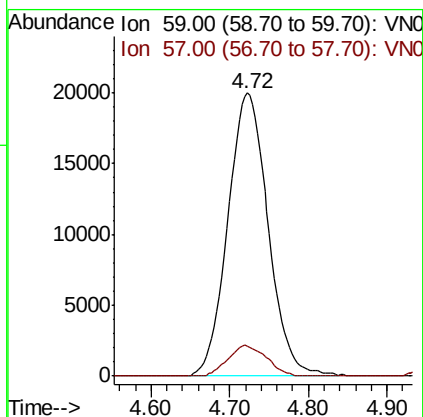
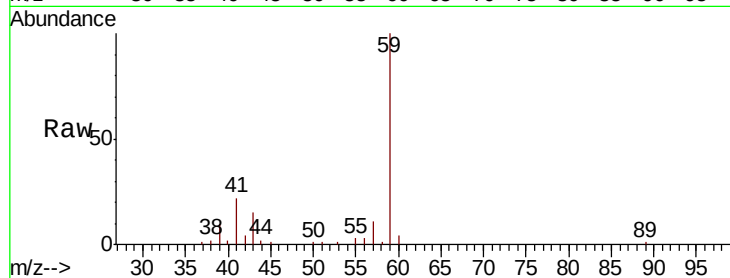


#11

Tert butyl alcohol
 Concen: 207.650 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

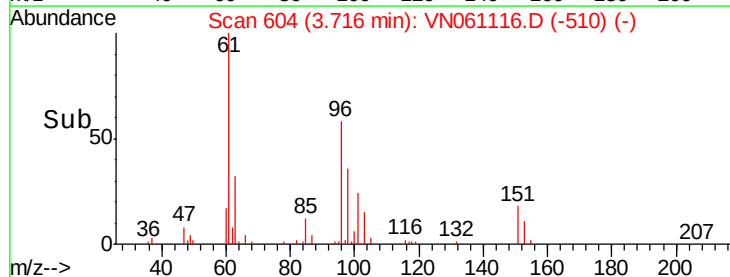
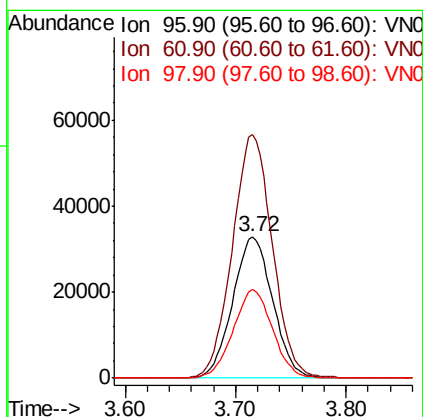
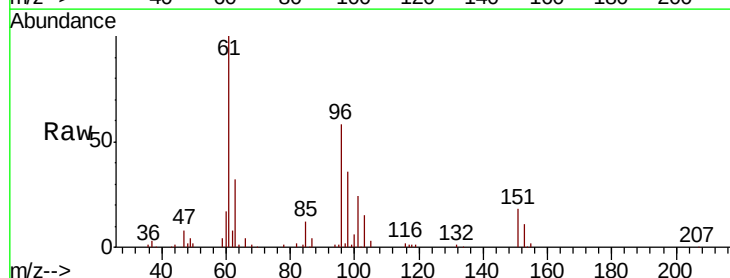
Tot Ion: 59 Resp: 71356
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.1 12.1

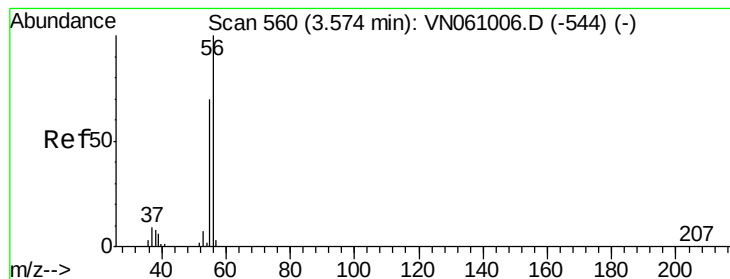


#12

1,1-Dichloroethene
 Concen: 49.830 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 96 Resp: 82547
 Ion Ratio Lower Upper
 96 100
 61 171.6 139.2 208.8
 98 62.3 50.0 75.0





#13

Acrolein

Concen: 231.265 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

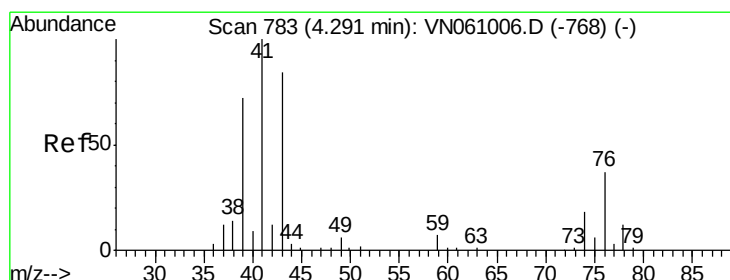
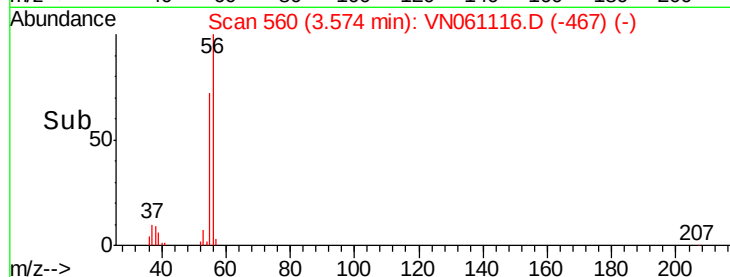
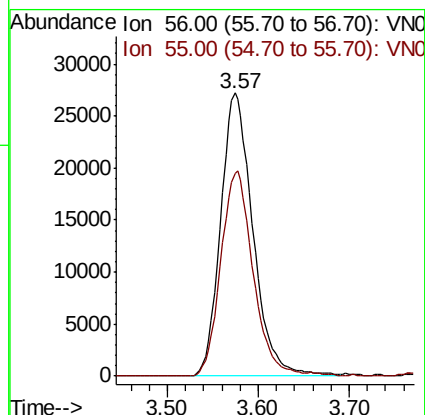
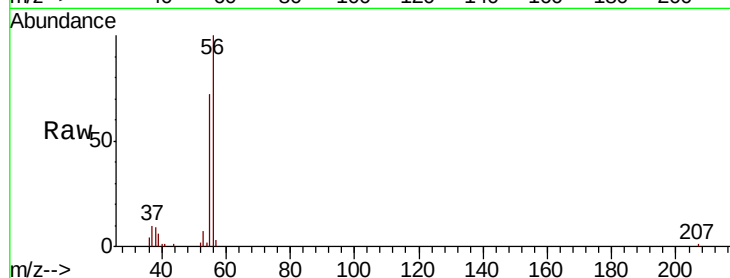
VSTDCCC050EC

Tot Ion: 56 Resp: 67101

Ion Ratio Lower Upper

56 100

55 72.1 57.0 85.6



#14

Allyl chloride

Concen: 46.705 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

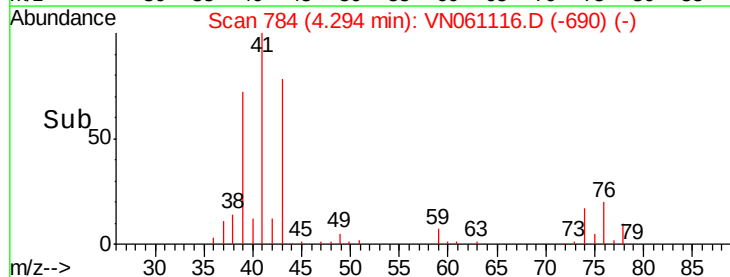
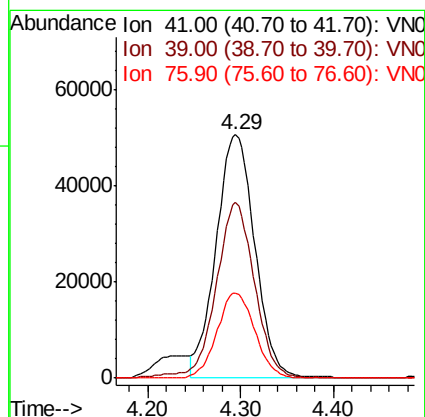
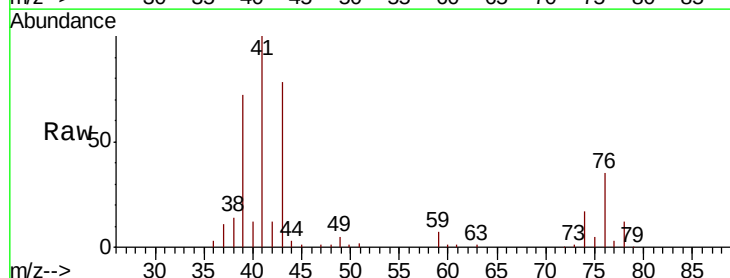
Tgt Ion: 41 Resp: 146389

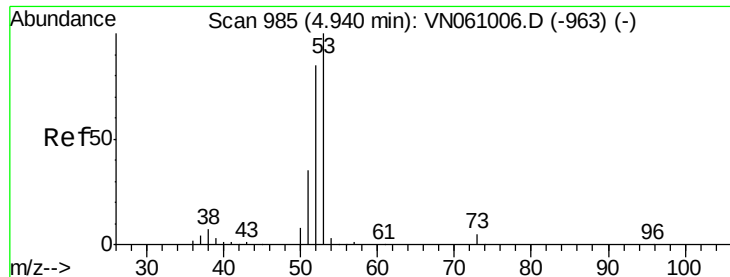
Ion Ratio Lower Upper

41 100

39 71.9 56.3 84.5

76 34.1 27.7 41.5





#15

Acrylonitrile

Concen: 246.170 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

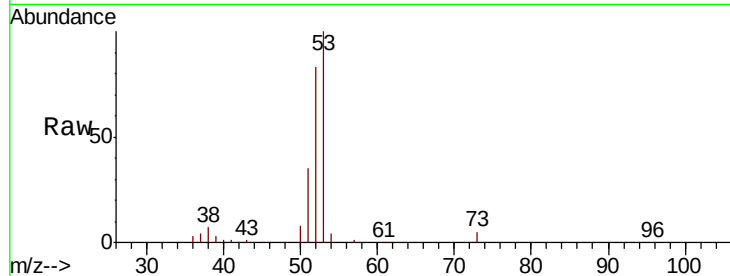
Tot Ion: 53 Resp: 229363

Ion Ratio Lower Upper

53 100

52 82.2 66.8 100.2

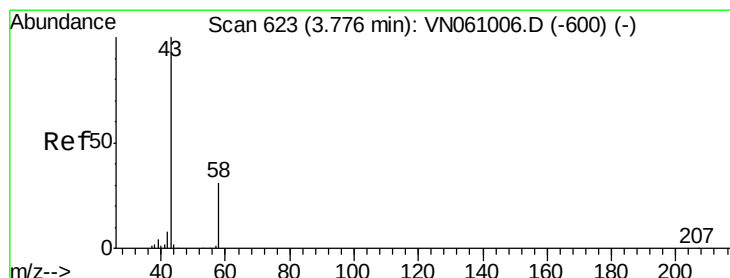
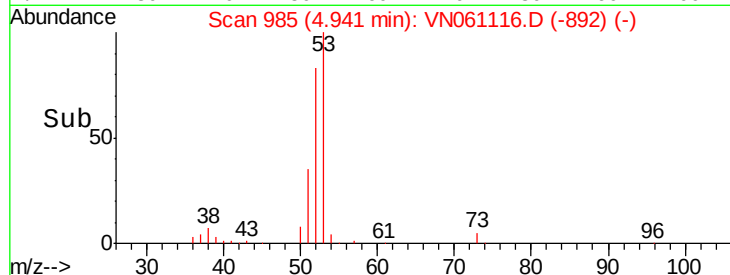
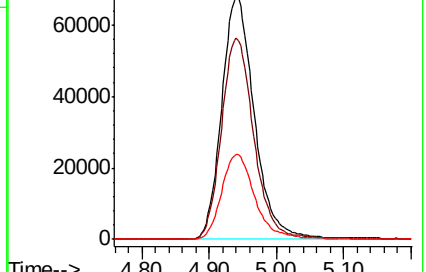
51 35.9 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061116.D (-892) (-)

Ion 52.00 (51.70 to 52.70): VN061116.D (-892) (-)

Ion 51.00 (50.70 to 51.70): VN061116.D (-892) (-)



#16

Acetone

Concen: 212.861 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061116.D

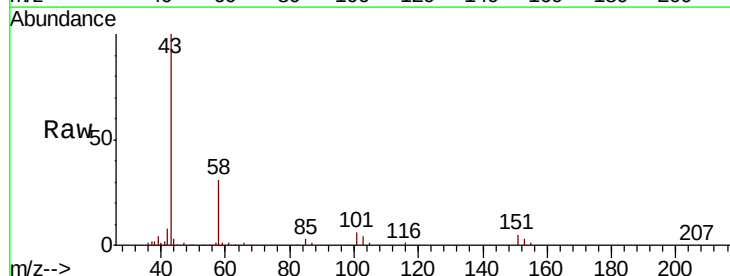
Acq: 20 Apr 2020 20:46

Tgt Ion: 43 Resp: 181459

Ion Ratio Lower Upper

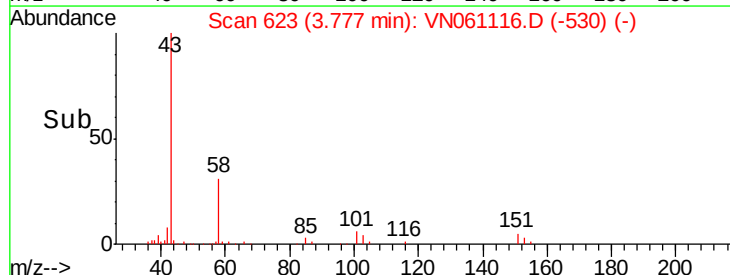
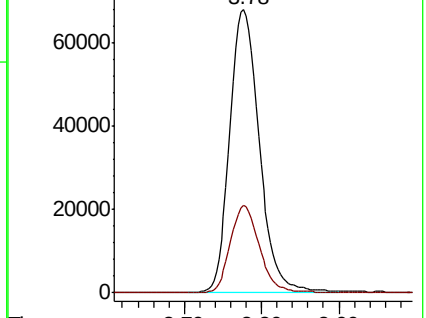
43 100

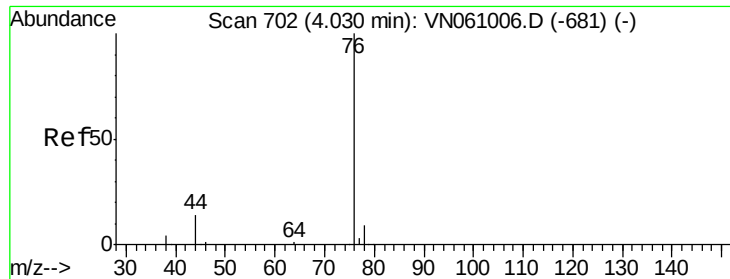
58 30.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061116.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061116.D (-530) (-)

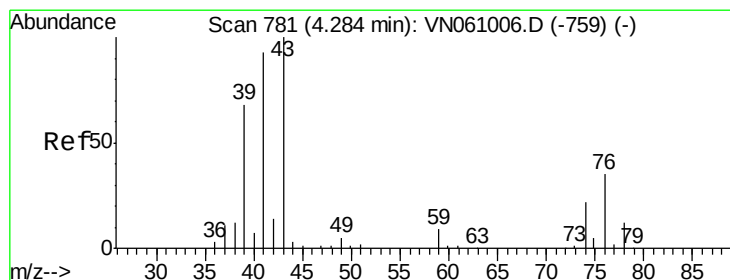
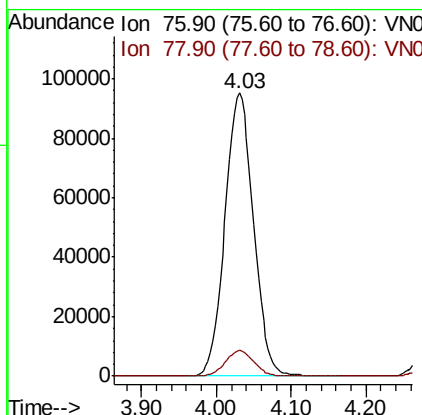
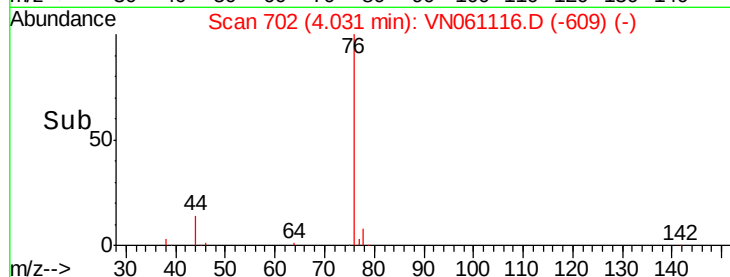
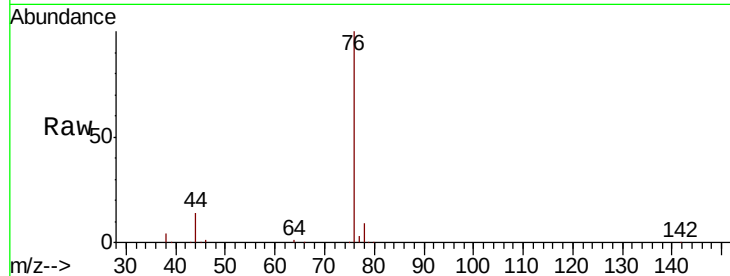




#17
Carbon Disulfide
Concen: 48.457 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

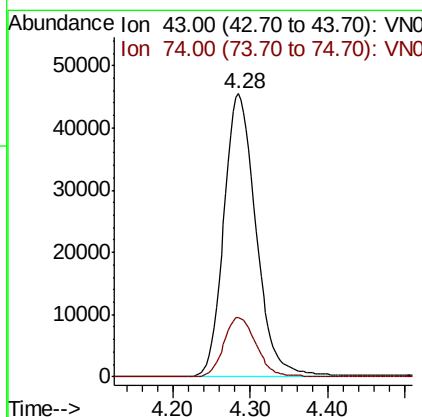
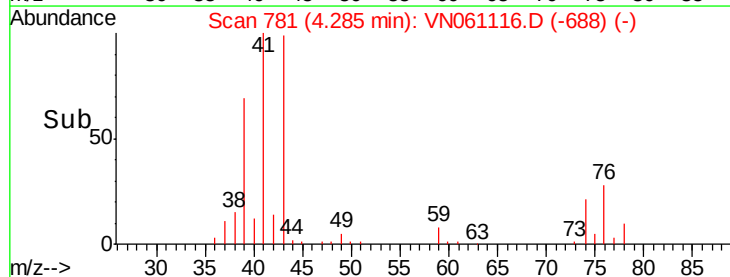
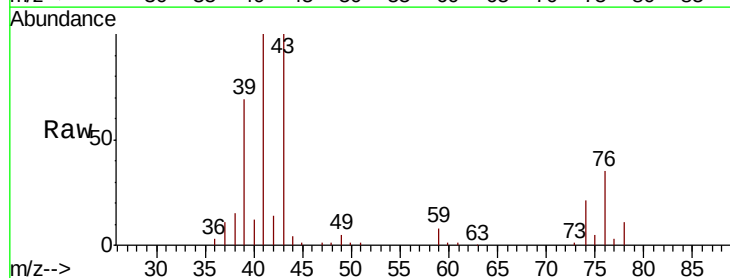
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

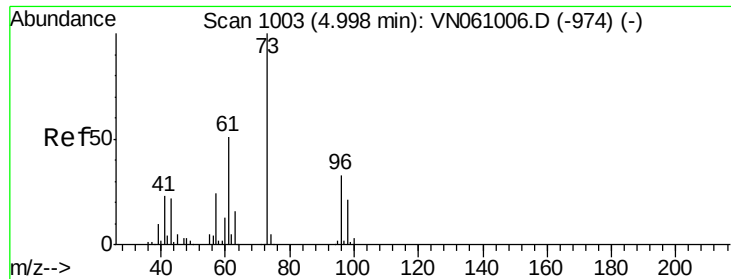
Tot Ion: 76 Resp: 251185
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#18
Methyl Acetate
Concen: 49.174 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 43 Resp: 131451
Ion Ratio Lower Upper
43 100
74 21.0 17.4 26.0

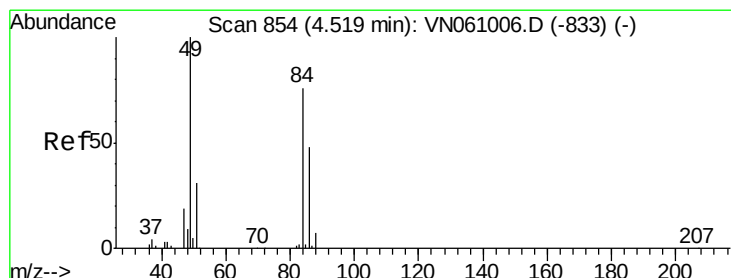
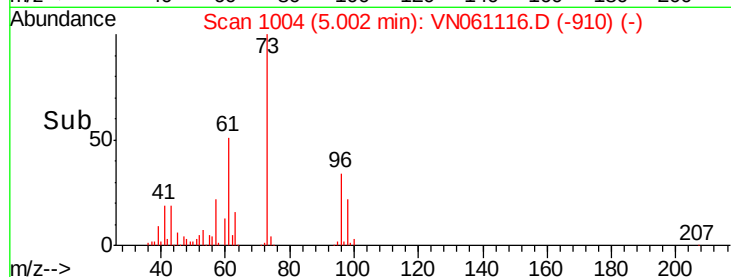
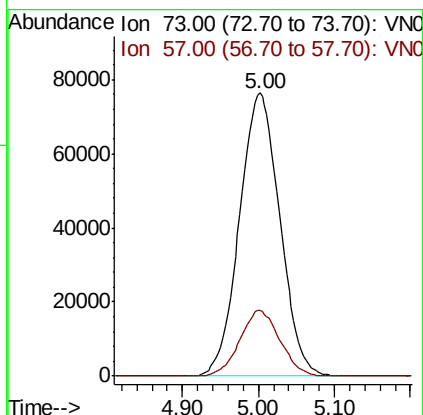
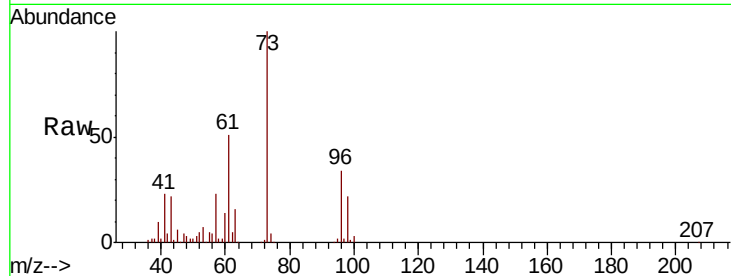




#19
Methyl tert-butyl Ether
Concen: 48.801 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

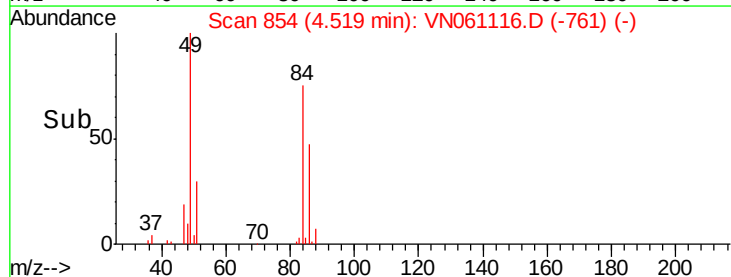
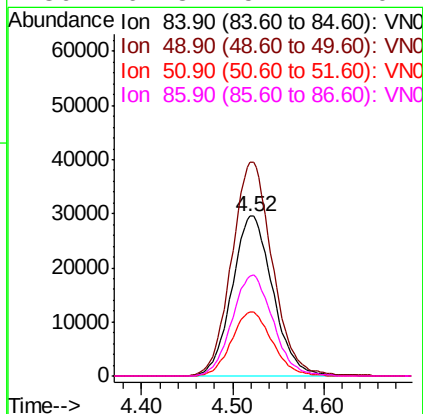
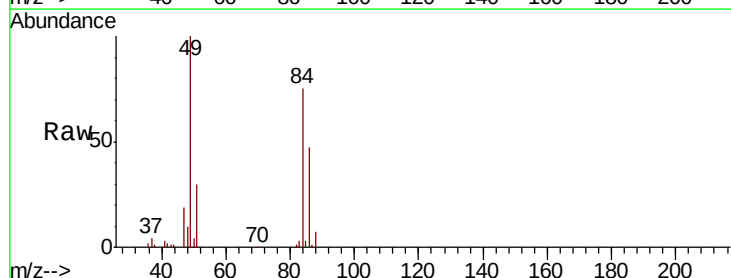
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

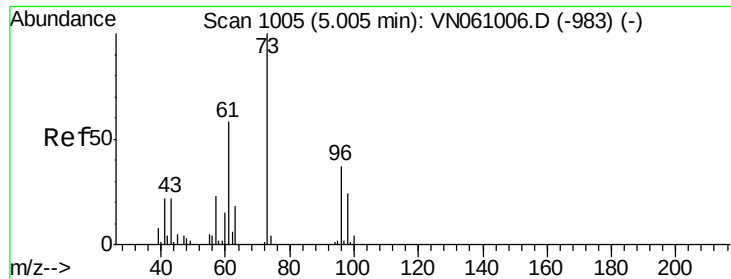
Tot Ion: 73 Resp: 281881
Ion Ratio Lower Upper
73 100
57 23.4 19.0 28.4



#20
Methylene Chloride
Concen: 49.402 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 84 Resp: 91949
Ion Ratio Lower Upper
84 100
49 133.9 105.8 158.6
51 40.5 32.4 48.6
86 62.8 51.1 76.7

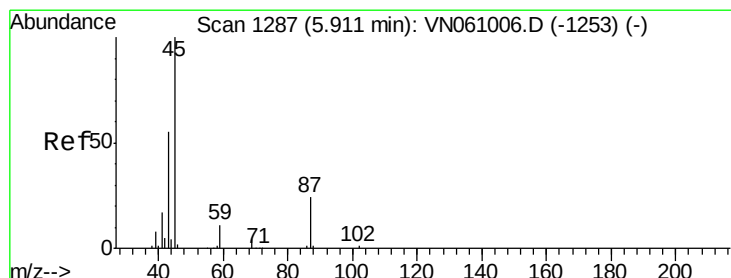
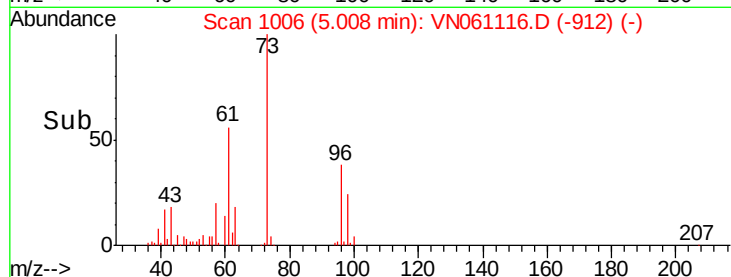
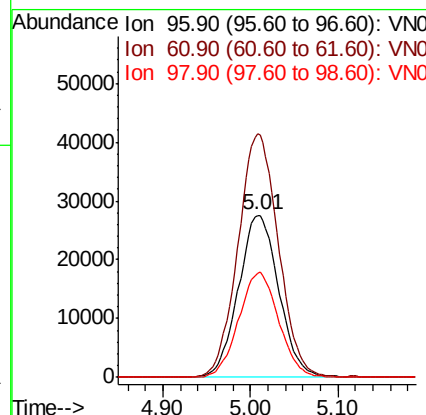
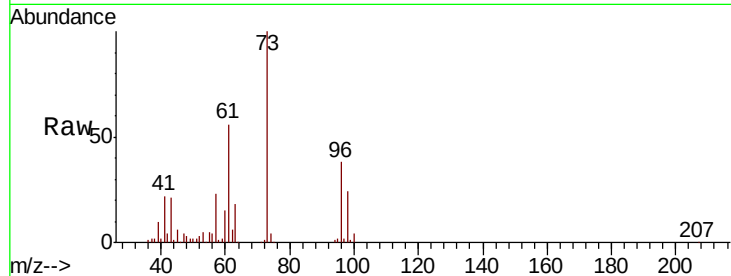




#21
trans-1,2-Dichloroethene
Concen: 49.731 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

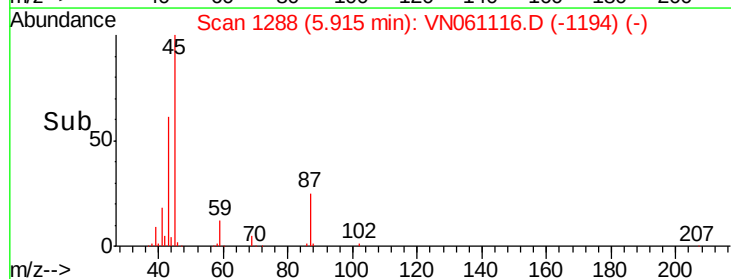
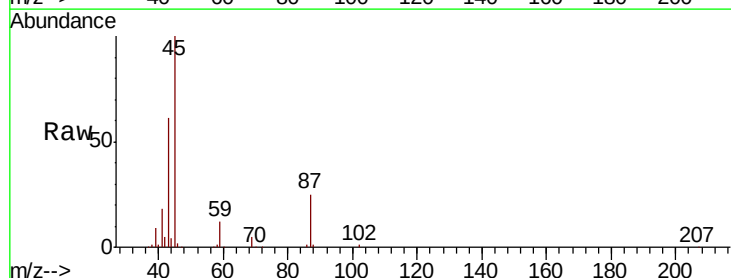
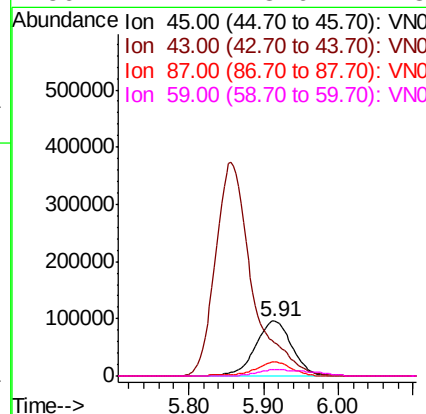
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

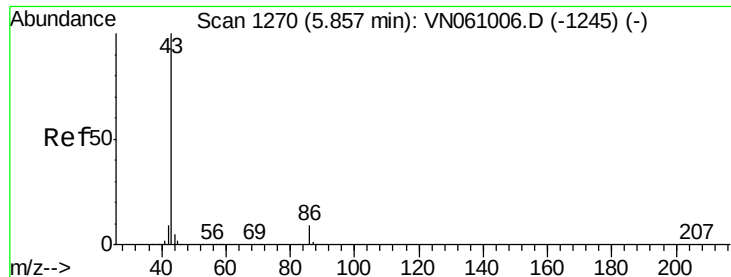
Tot Ion: 96 Resp: 88113
Ion Ratio Lower Upper
96 100
61 150.0 124.8 187.2
98 64.1 51.3 76.9



#22
Diisopropyl ether
Concen: 50.150 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 45 Resp: 326458
Ion Ratio Lower Upper
45 100
43 60.1 48.6 72.8
87 25.3 19.4 29.2
59 11.4 8.6 12.8





#23

Vinyl Acetate

Concen: 248.363 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

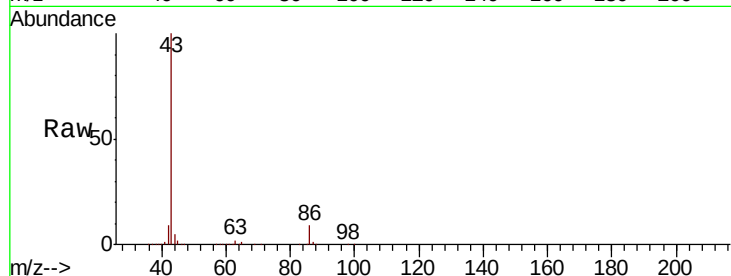
VSTDCCC050EC

Tot Ion: 43 Resp: 1267820

Ion Ratio Lower Upper

43 100

86 9.1 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN061116.D (-1177) (-)

Ion 86.00 (85.70 to 86.70): VN061116.D (-1177) (-)

5.86

400000

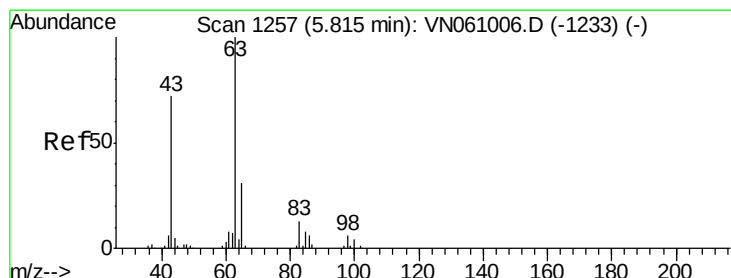
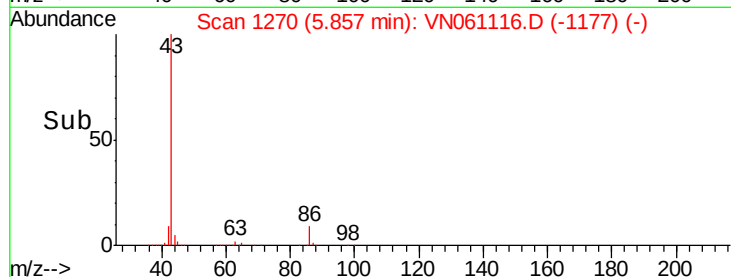
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.423 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

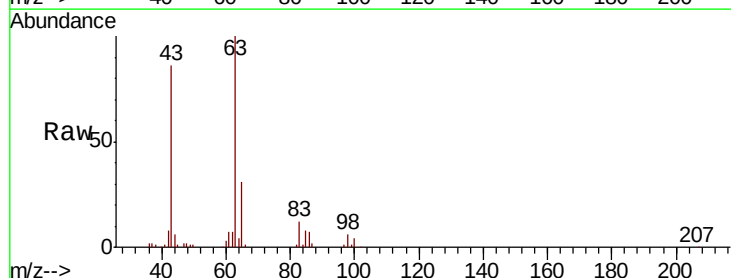
Tgt Ion: 63 Resp: 173765

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061116.D (-1164) (-)

Ion 97.90 (97.60 to 98.60): VN061116.D (-1164) (-)

Ion 99.90 (99.60 to 100.60): VN061116.D (-1164) (-)

5.82

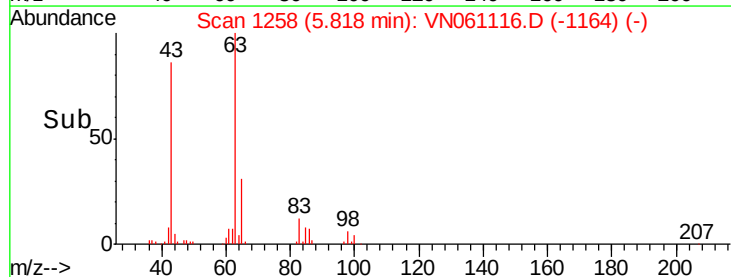
60000

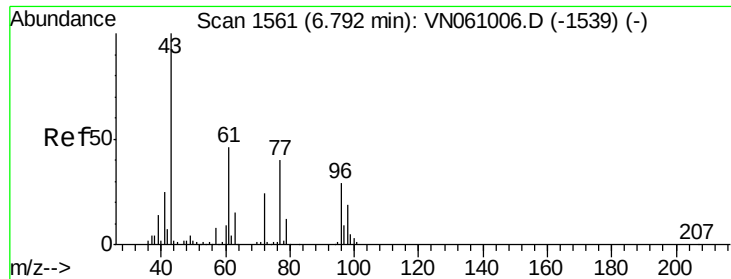
40000

20000

0

Time-->





#25

2-Butanone

Concen: 229.644 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

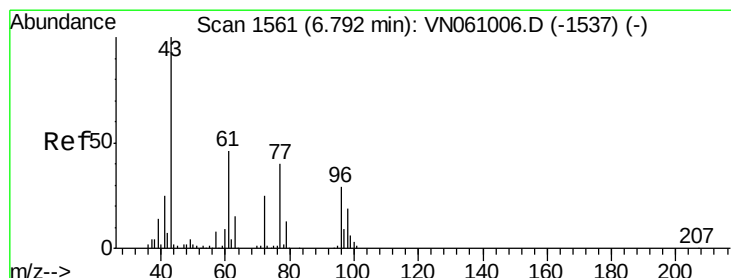
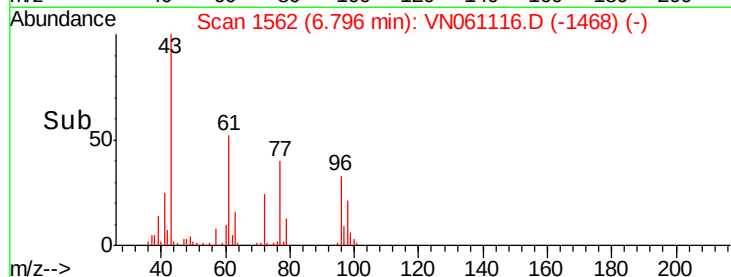
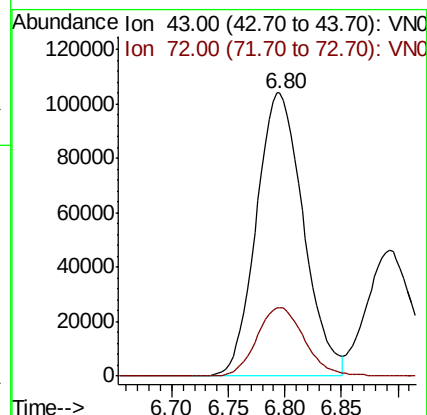
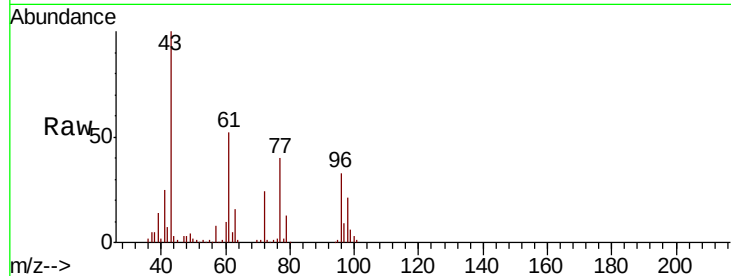
VSTDCCC050EC

Tot Ion: 43 Resp: 299986

Ion Ratio Lower Upper

43 100

72 24.4 19.6 29.4



#26

2,2-Dichloropropane

Concen: 45.379 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061116.D

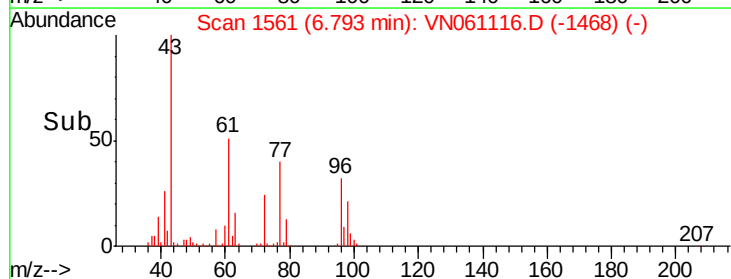
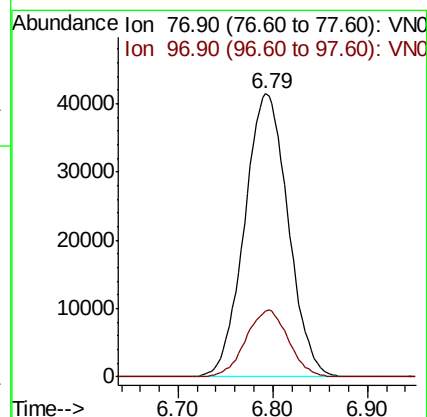
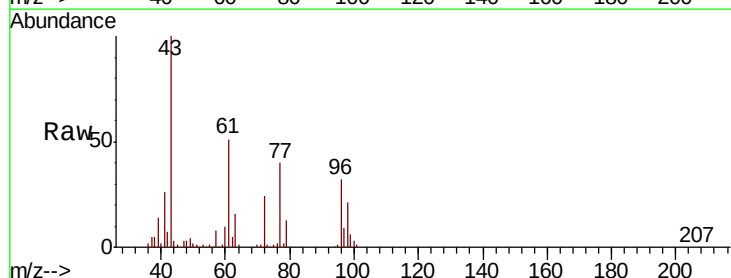
Acq: 20 Apr 2020 20:46

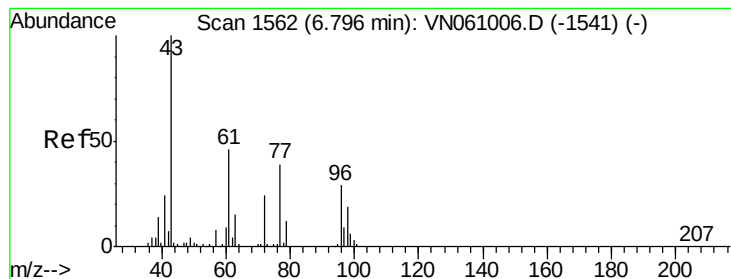
Tgt Ion: 77 Resp: 132843

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.533 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

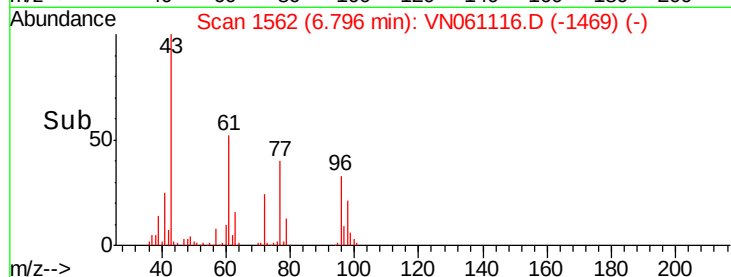
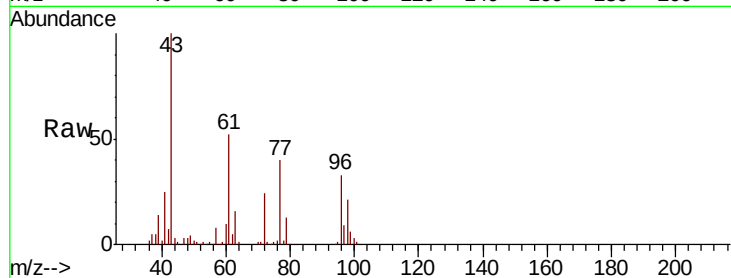
Tot Ion: 96 Resp: 100757

Ion Ratio Lower Upper

96 100

61 156.7 0.0 317.4

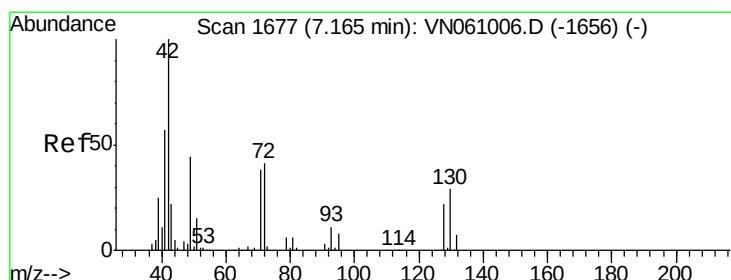
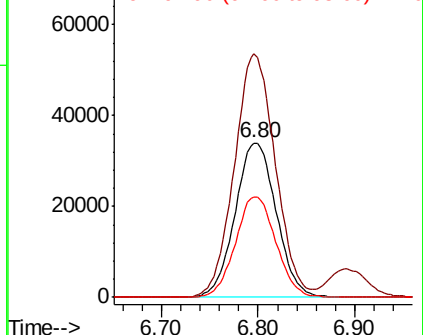
98 64.0 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.677 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

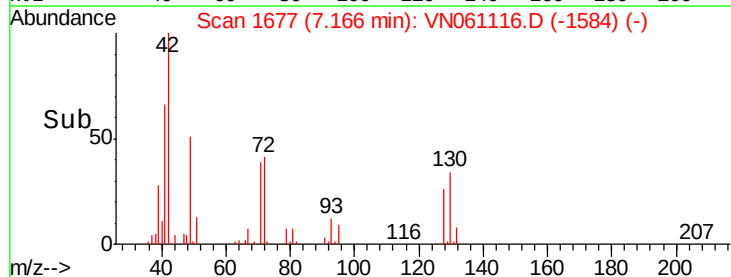
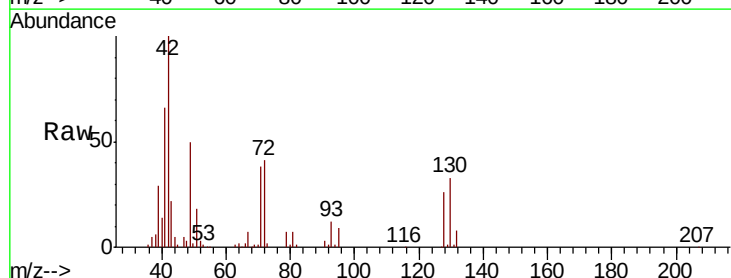
Tgt Ion: 49 Resp: 81785

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.0

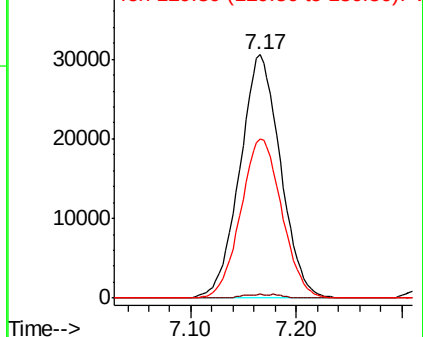
130 66.0 52.9 79.3

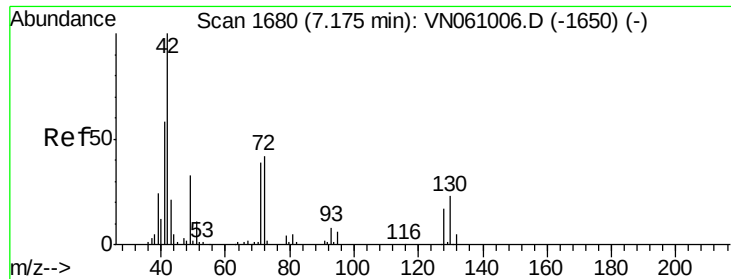


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

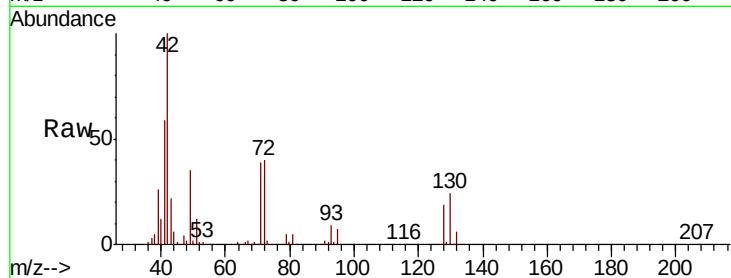




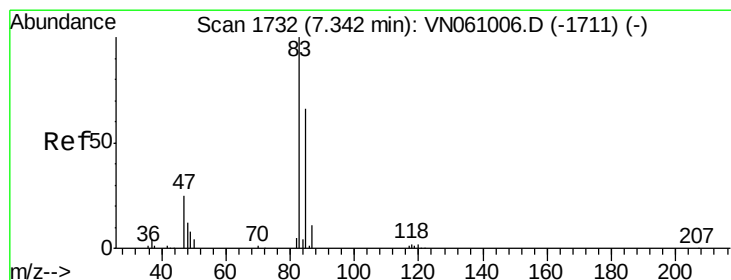
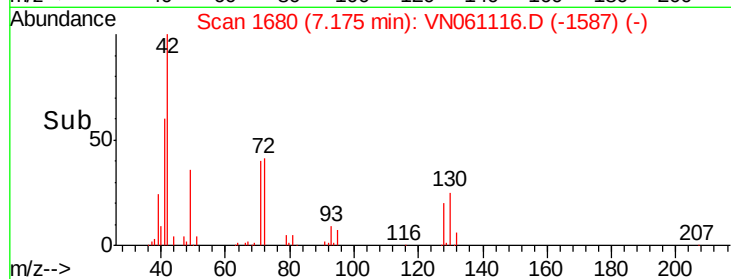
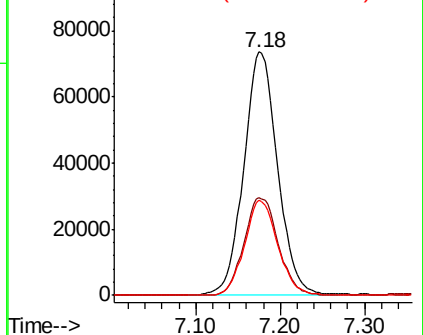
#29
Tetrahydrofuran
Concen: 231.509 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 205311
Ion Ratio Lower Upper
42 100
72 40.6 32.1 48.1
71 38.4 30.5 45.7

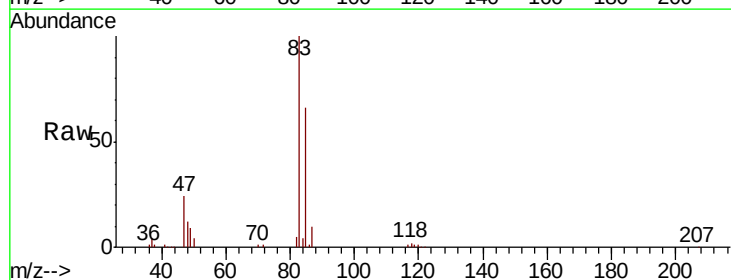


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

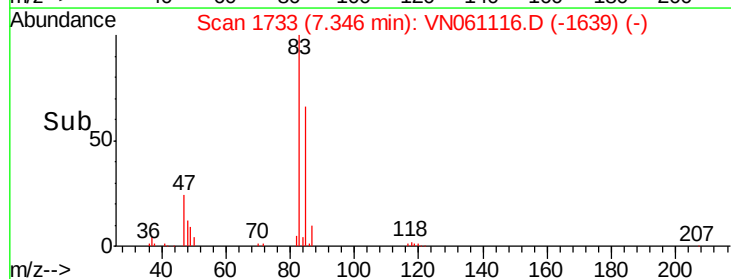
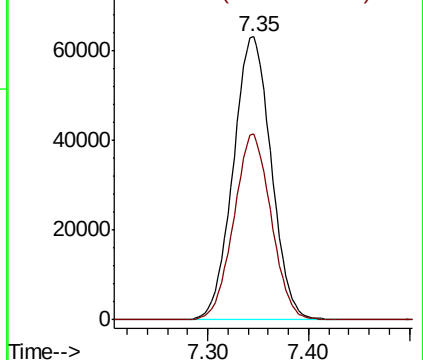


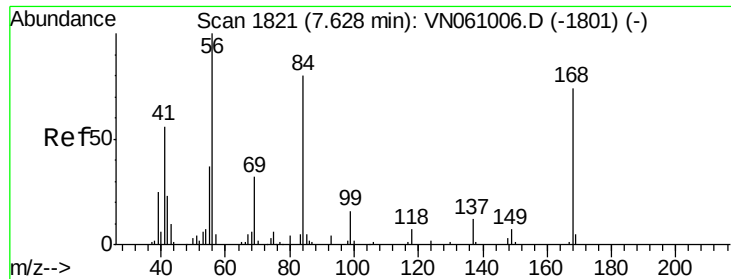
#30
Chloroform
Concen: 50.327 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 83 Resp: 165040
Ion Ratio Lower Upper
83 100
85 65.8 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

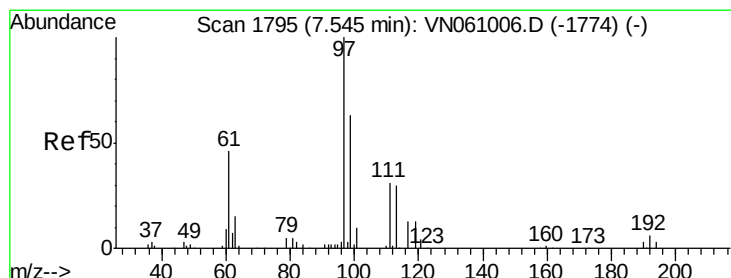
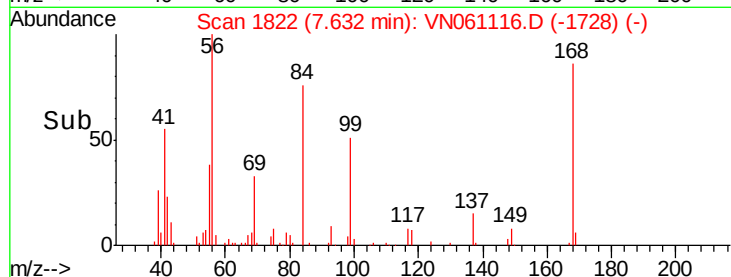
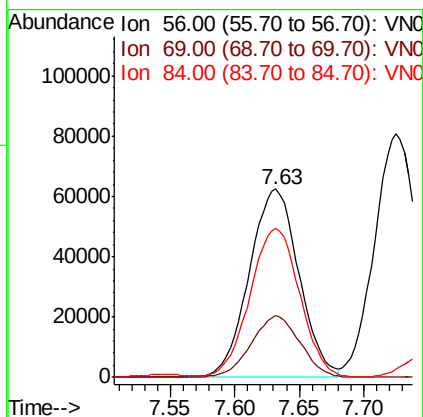
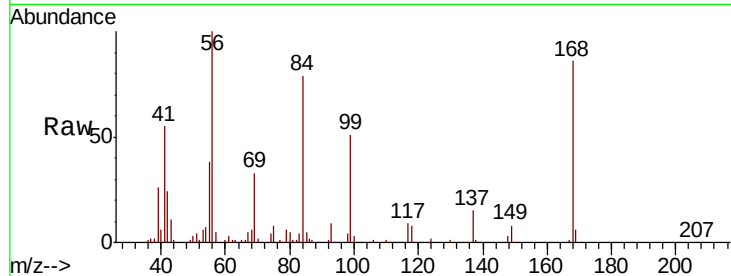




#31
Cyclohexane
Concen: 46.413 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

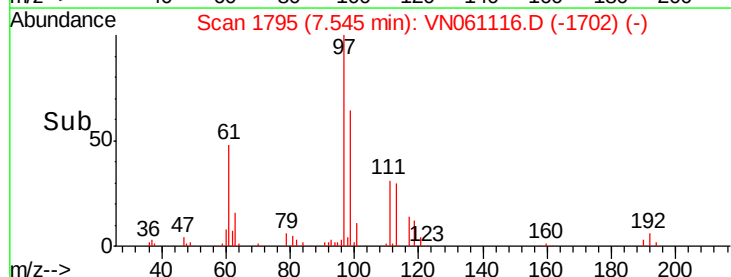
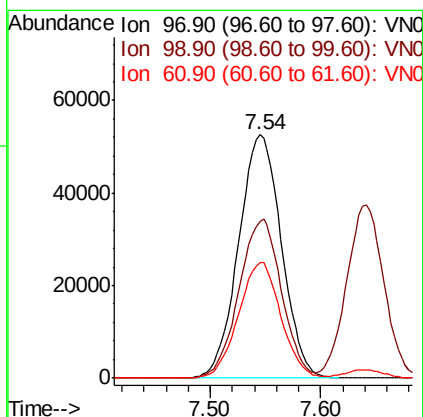
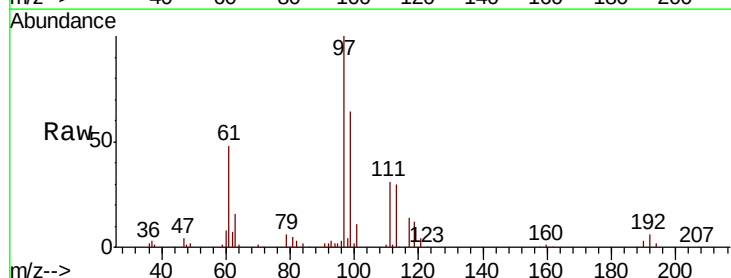
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

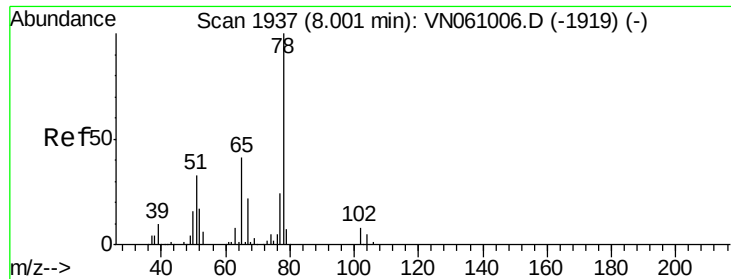
Tot Ion: 56 Resp: 167450
Ion Ratio Lower Upper
56 100
69 32.6 25.6 38.4
84 78.2 63.4 95.2



#32
1,1,1-Trichloroethane
Concen: 49.834 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 97 Resp: 141355
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 46.9 37.0 55.6

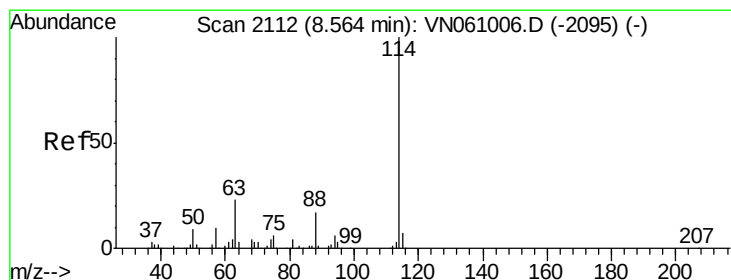
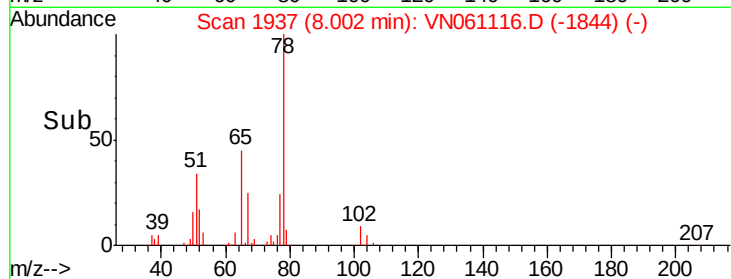
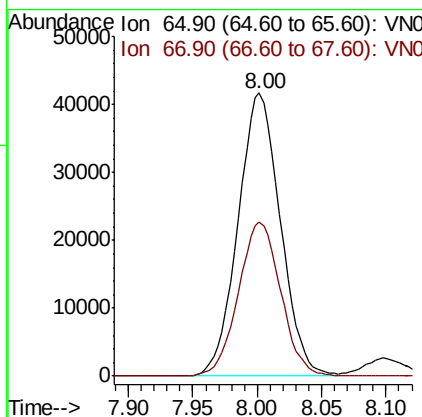
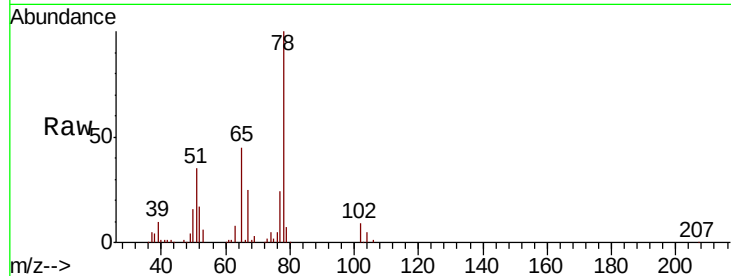




#33
 1,2-Dichloroethane-d4
 Concen: 49.223 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

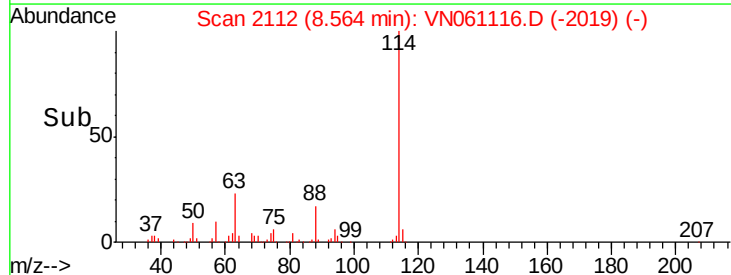
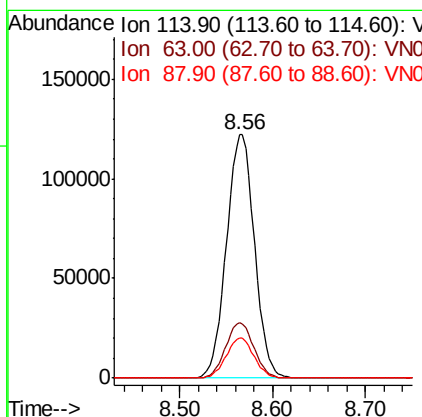
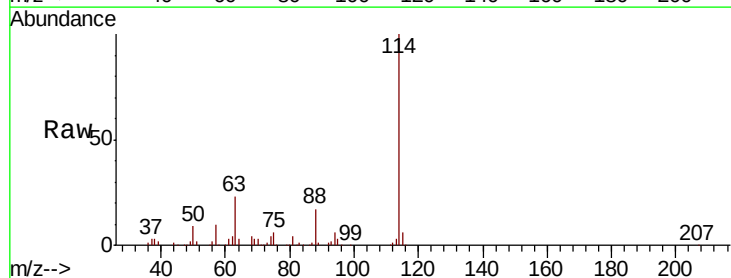
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

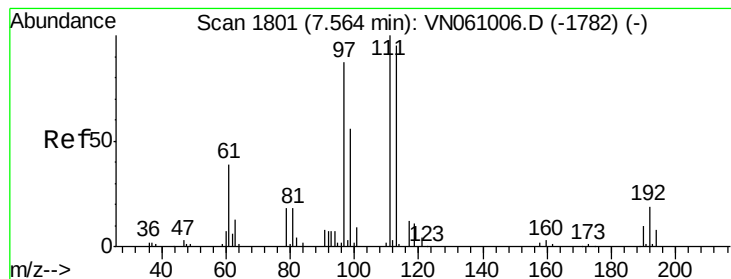
Tot Ion: 65 Resp: 95335
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 114 Resp: 255752
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.2
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.161 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

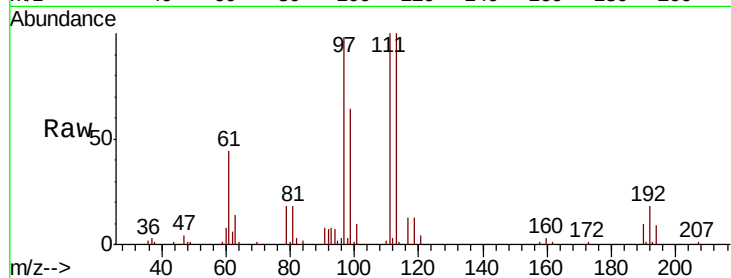
Tot Ion:113 Resp: 74918

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

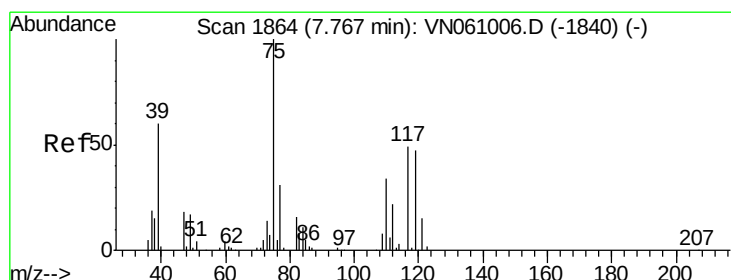
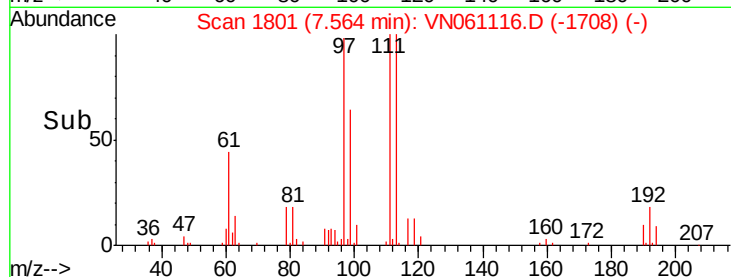
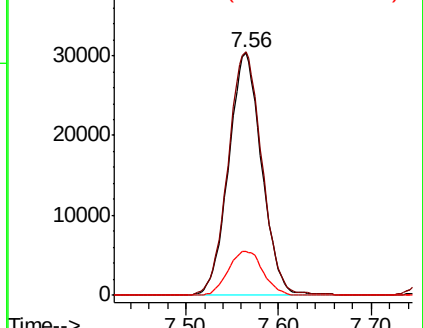
192 19.0 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.591 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

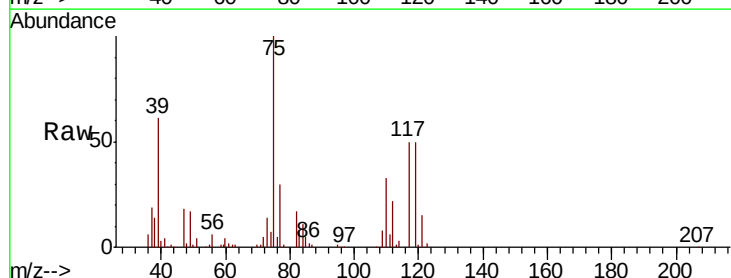
Tgt Ion: 75 Resp: 130878

Ion Ratio Lower Upper

75 100

110 33.3 16.8 50.3

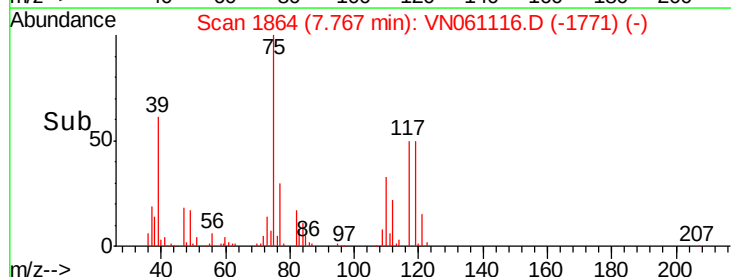
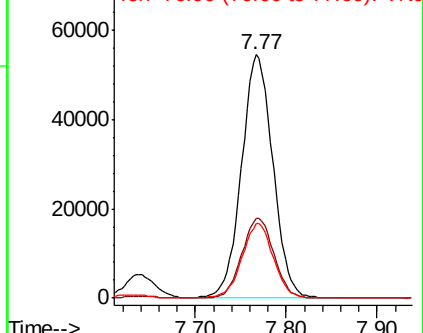
77 30.7 24.7 37.1

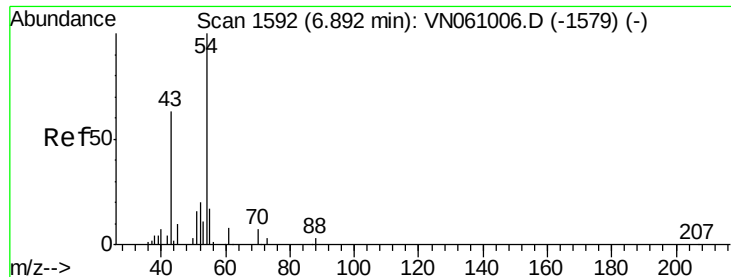


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

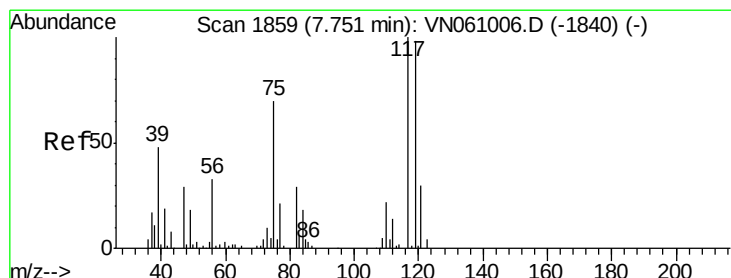
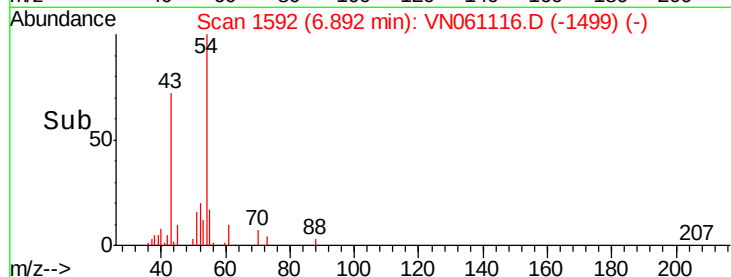
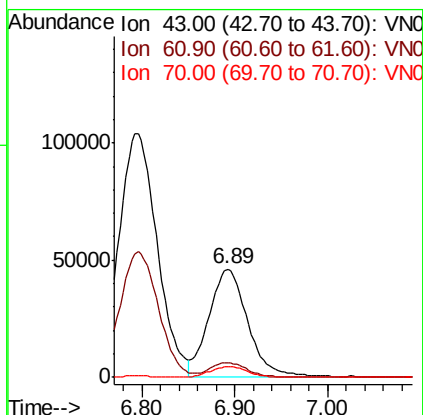
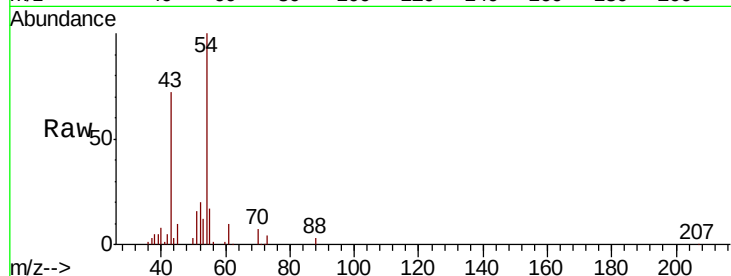




#37
Ethyl Acetate
Concen: 46.479 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

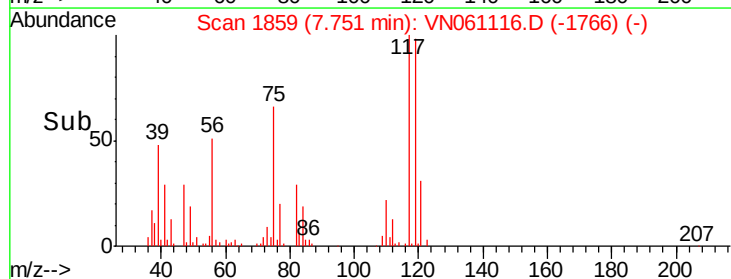
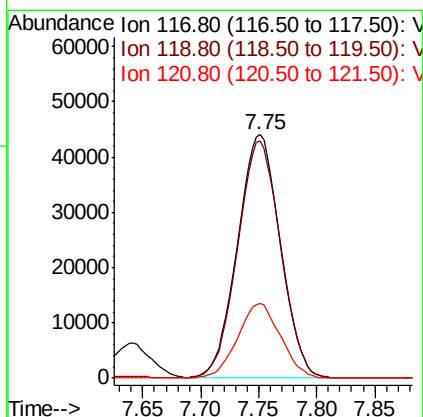
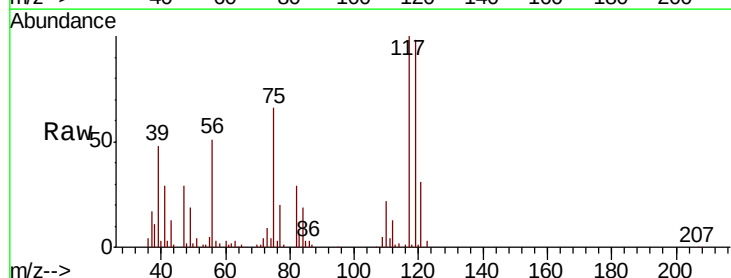
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

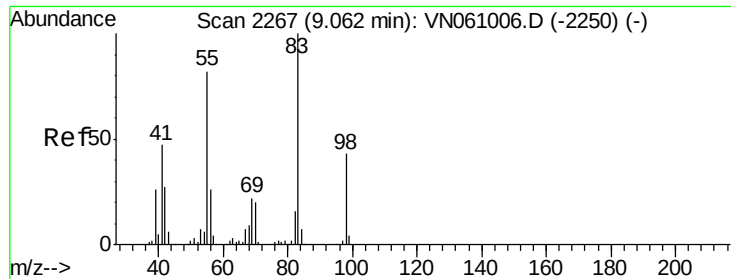
Tot Ion: 43 Resp: 133193
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 9.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 51.567 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 117 Resp: 113280
Ion Ratio Lower Upper
117 100
119 97.6 78.1 117.1
121 30.7 24.0 36.0

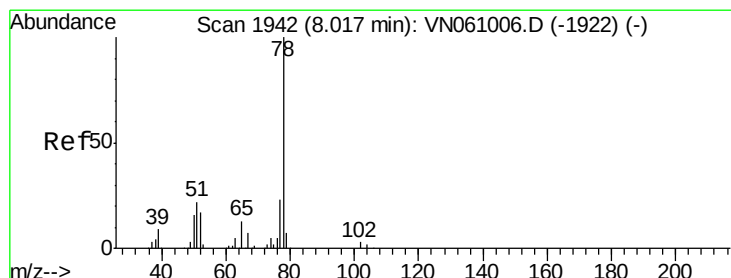
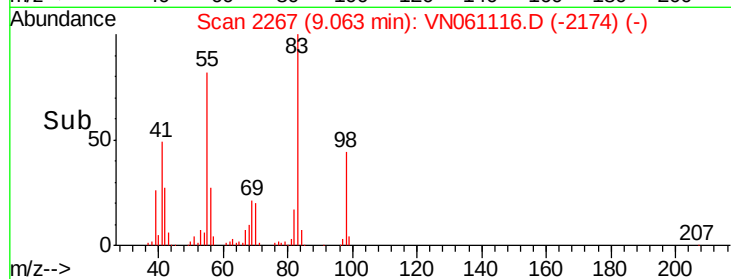
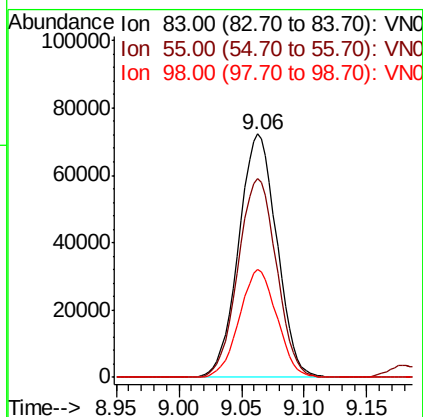
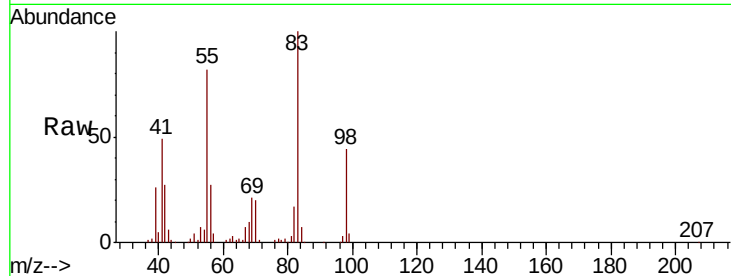




#39
Methylvlcyclohexane
Concen: 48.438 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

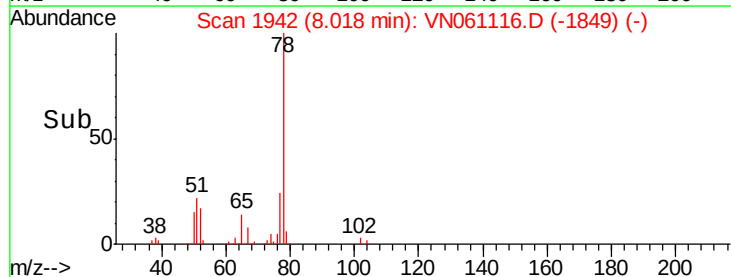
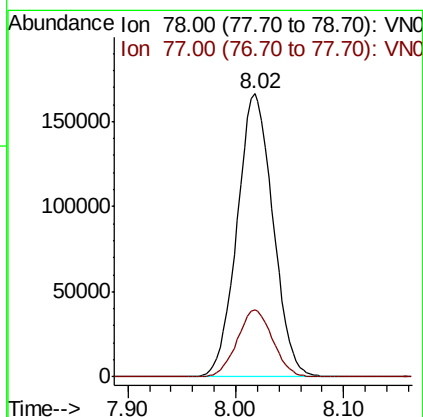
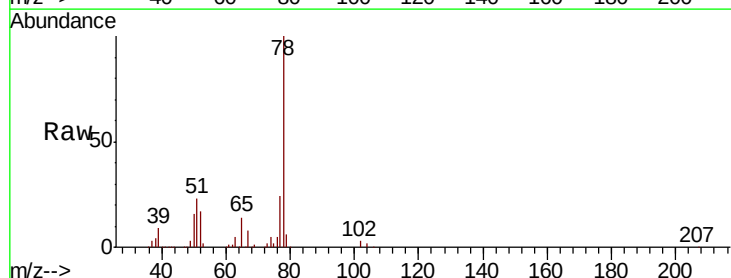
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

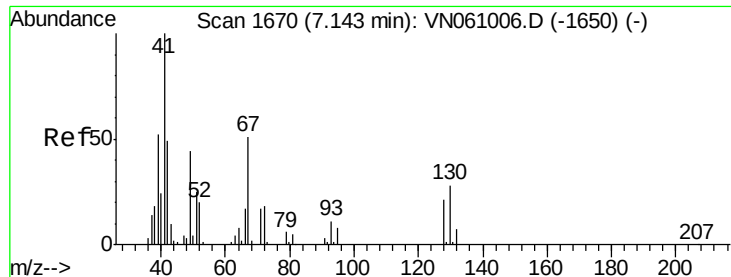
Tot Ion: 83 Resp: 152833
Ion Ratio Lower Upper
83 100
55 81.7 65.4 98.0
98 44.2 34.6 51.8



#40
Benzene
Concen: 49.147 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 78 Resp: 384793
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

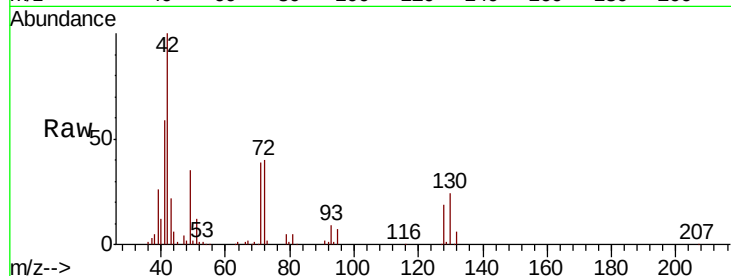




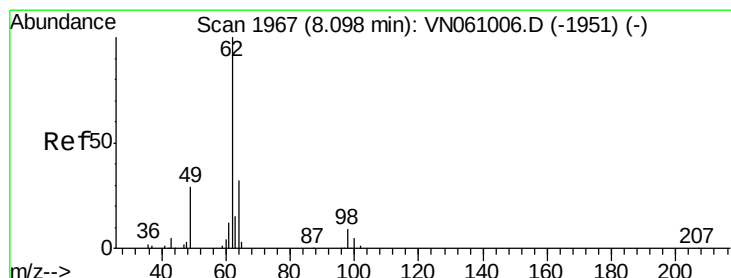
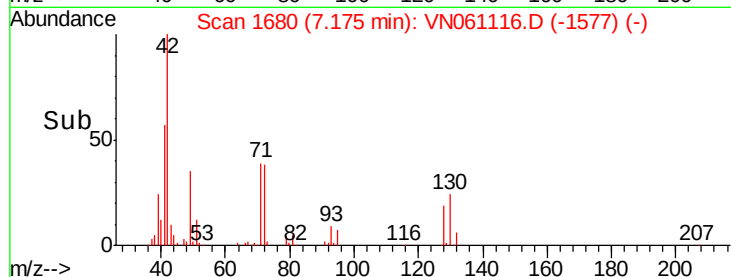
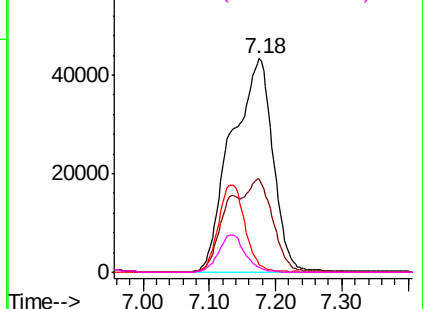
#41
Methacrylonitrile
Concen: 158.036 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	188896
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

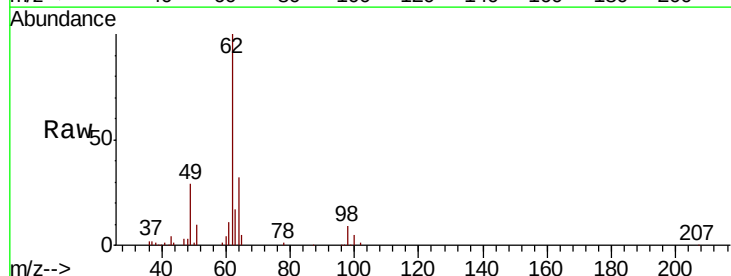


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

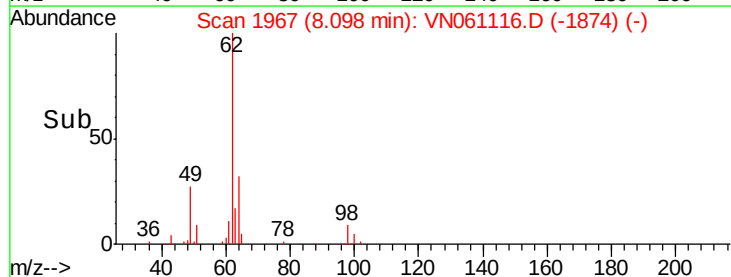
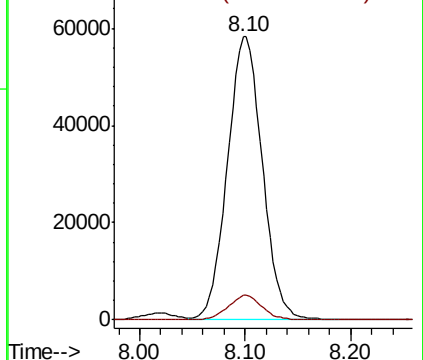


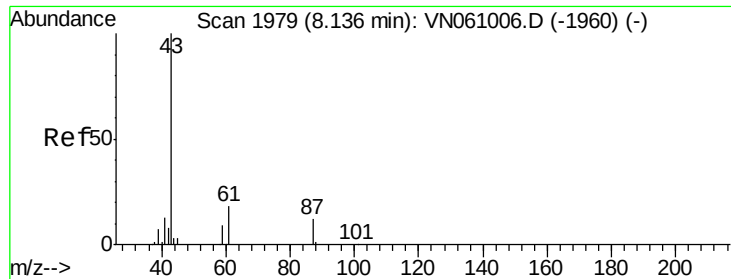
#42
1,2-Dichloroethane
Concen: 50.138 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion:	62	Resp:	133726
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.621 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

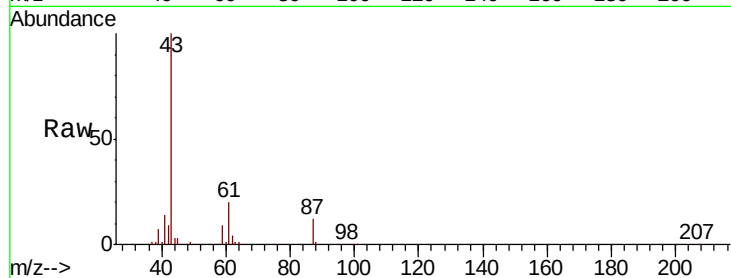
Tot Ion: 43 Resp: 226604

Ion Ratio Lower Upper

43 100

61 25.3 20.3 30.5

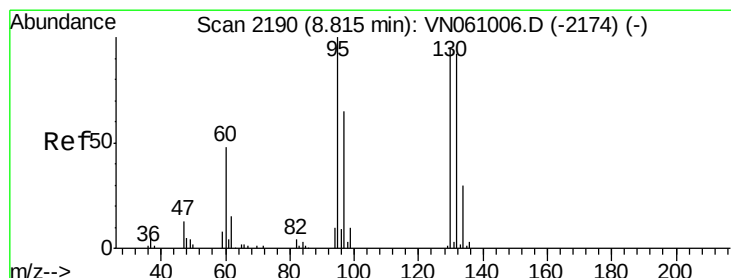
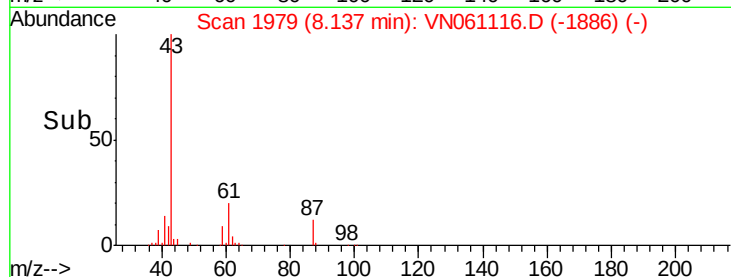
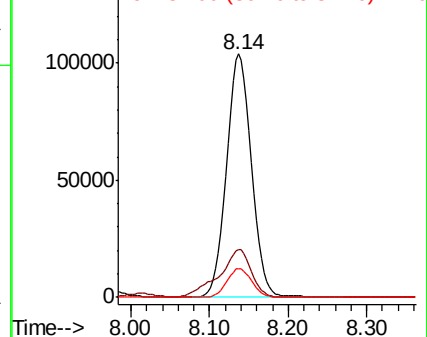
87 11.6 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1960) (-)

Ion 61.00 (60.70 to 61.70): VN061006.D (-1960) (-)

Ion 87.00 (86.70 to 87.70): VN061006.D (-1960) (-)



#44

Trichloroethene

Concen: 47.966 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061116.D

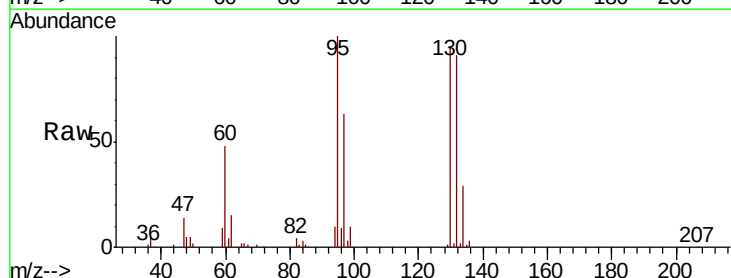
Acq: 20 Apr 2020 20:46

Tgt Ion:130 Resp: 94363

Ion Ratio Lower Upper

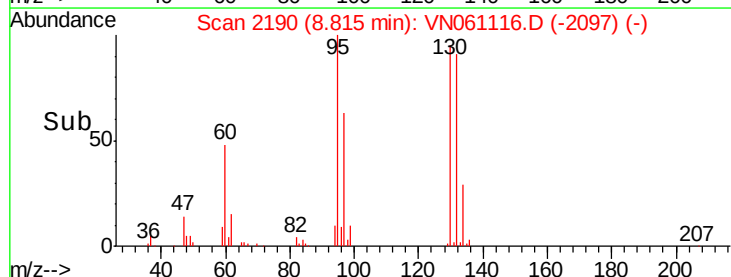
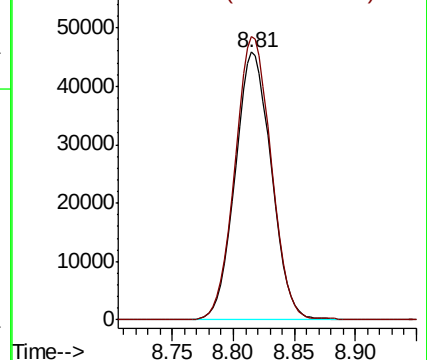
130 100

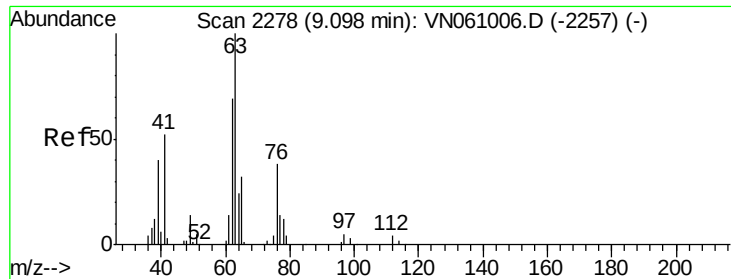
95 105.8 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061006.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN061006.D (-2174) (-)

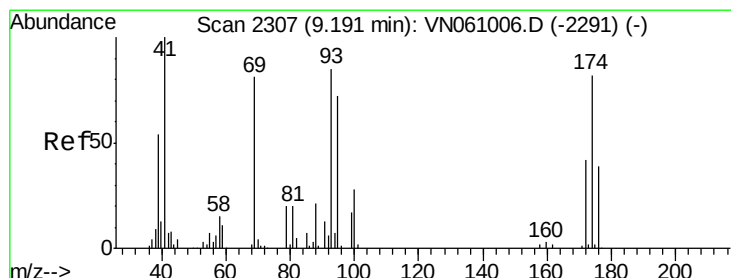
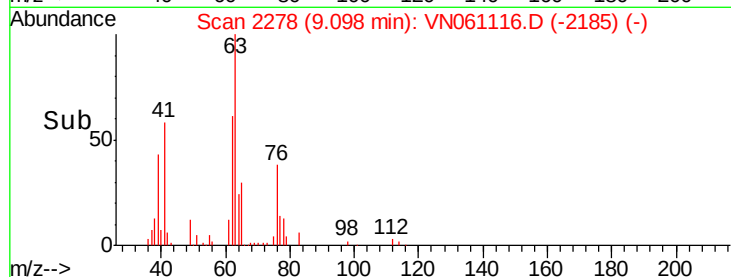
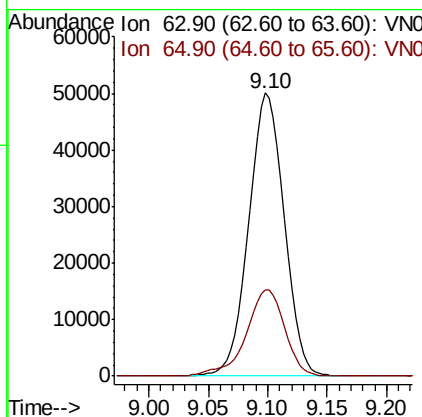
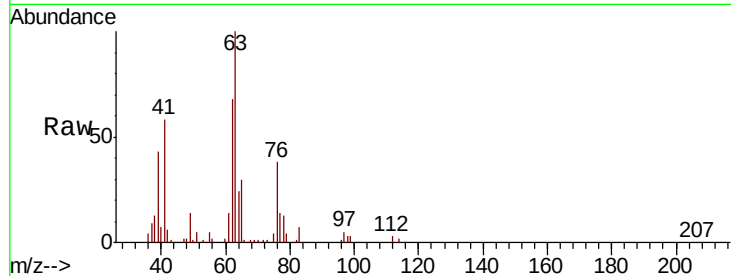




#45
 1,2-Dichloropropane
 Concen: 48.991 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

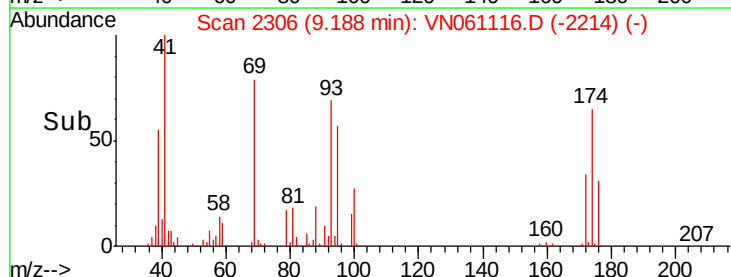
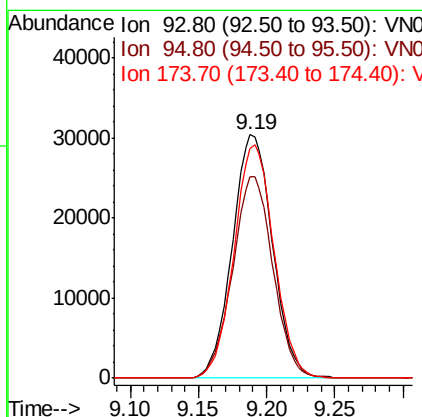
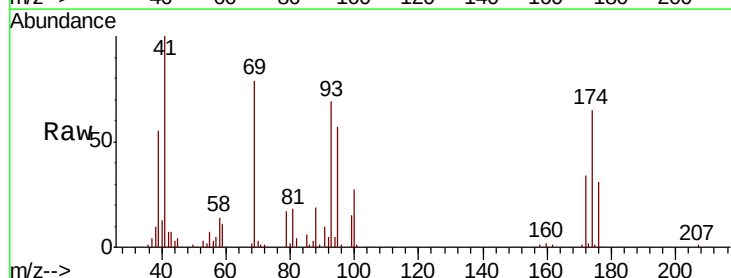
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

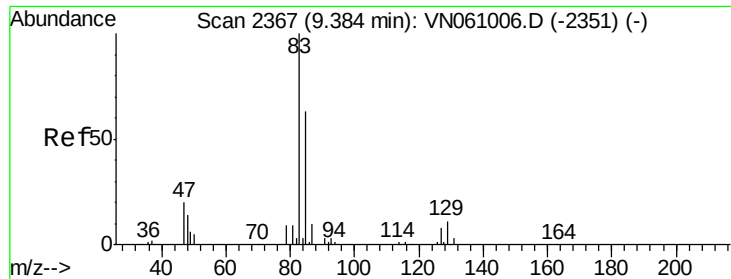
Tot Ion: 63 Resp: 103604
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.2 37.8



#46
 Dibromomethane
 Concen: 51.202 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 93 Resp: 62429
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.8 100.2
 174 95.2 76.2 114.4

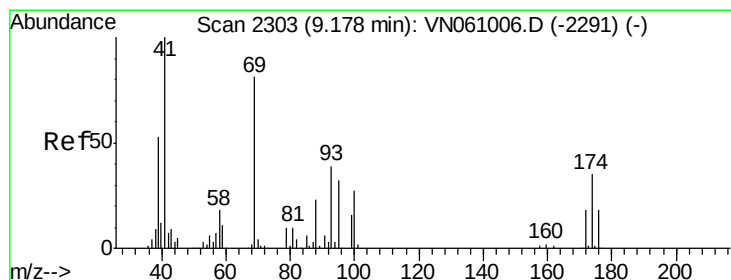
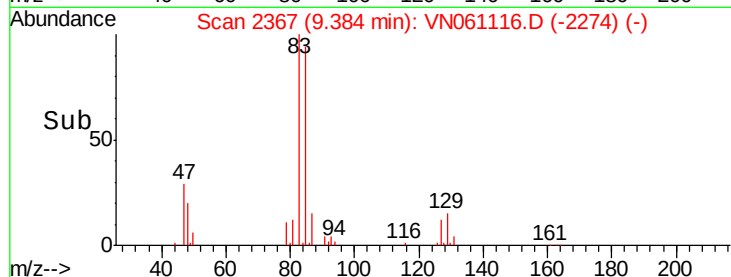
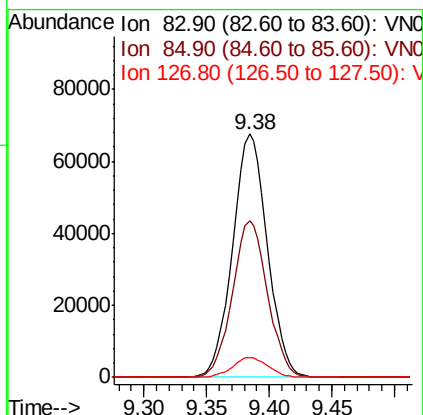
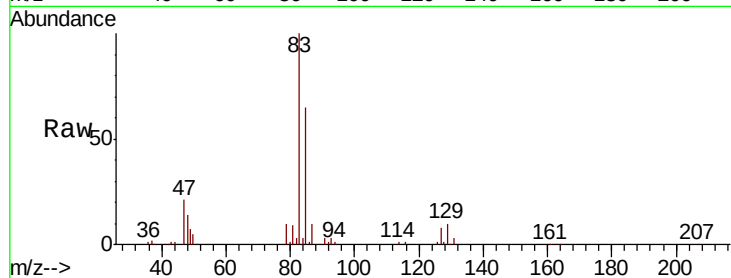




#47
 Bromodichloromethane
 Concen: 50.491 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

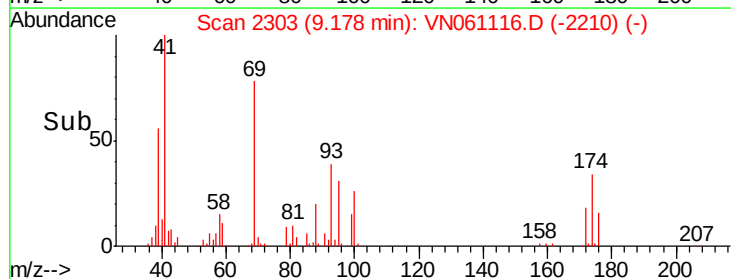
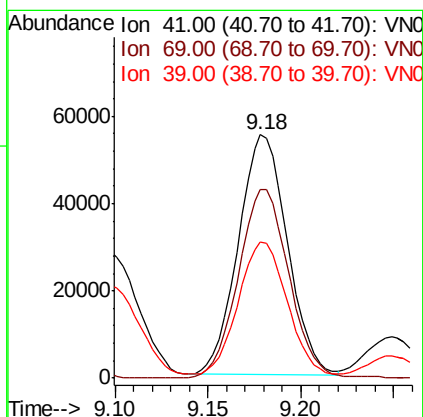
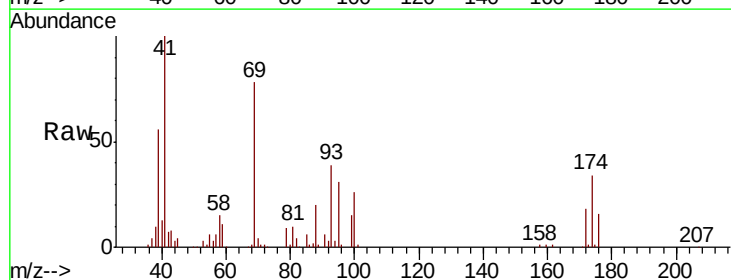
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

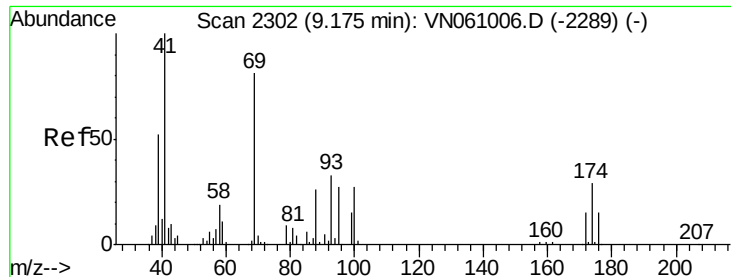
Tot Ion: 83 Resp: 130053
 Ion Ratio Lower Upper
 83 100
 85 64.5 50.6 76.0
 127 8.1 6.1 9.1



#48
 Methyl methacrylate
 Concen: 49.176 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 41 Resp: 101286
 Ion Ratio Lower Upper
 41 100
 69 81.3 65.3 97.9
 39 54.9 45.2 67.8

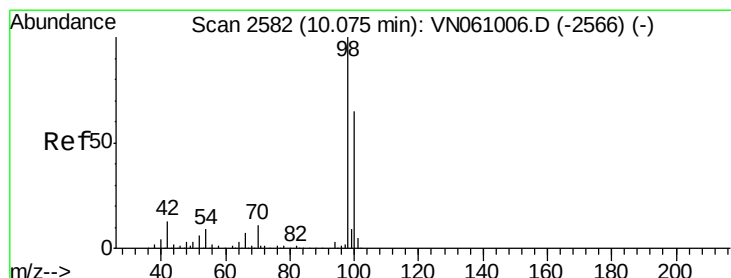
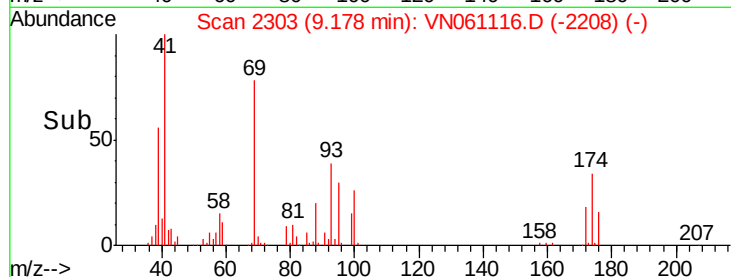
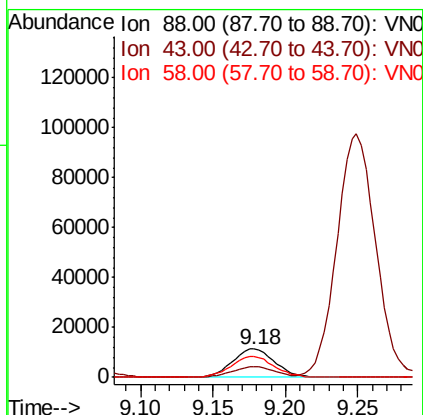
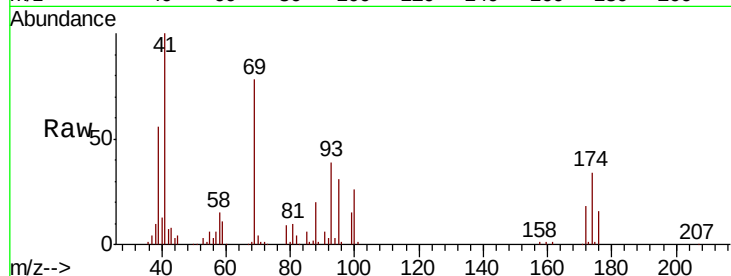




#49
1,4-Dioxane
Concen: 819.239 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

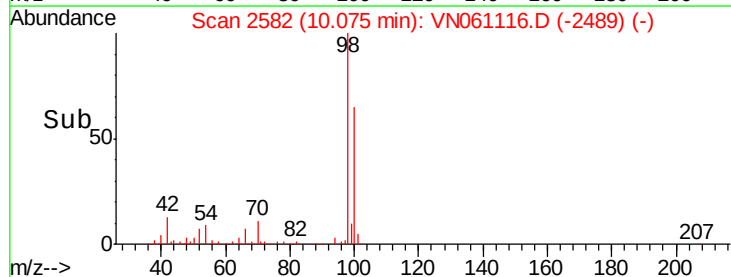
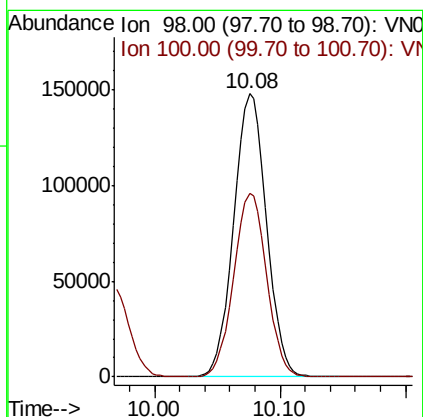
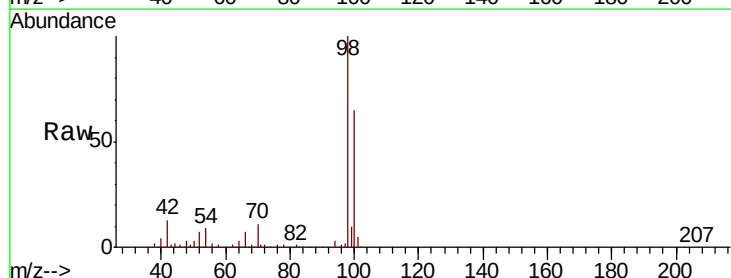
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

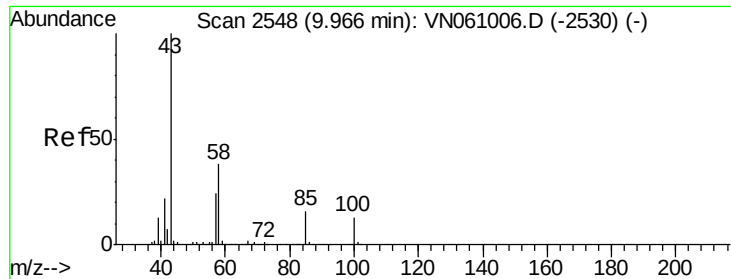
Tot Ion: 88 Resp: 23357
Ion Ratio Lower Upper
88 100
43 38.5 30.9 46.3
58 73.9 59.8 89.8



#50
Toluene-d8
Concen: 47.623 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 98 Resp: 268779
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

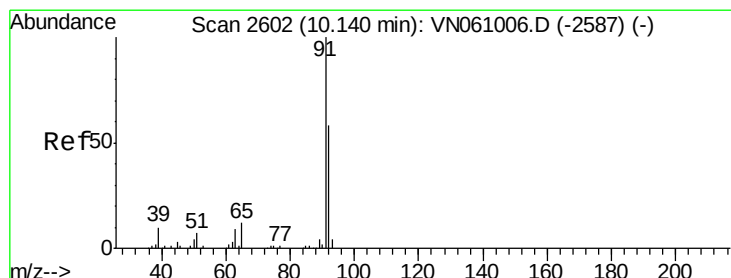
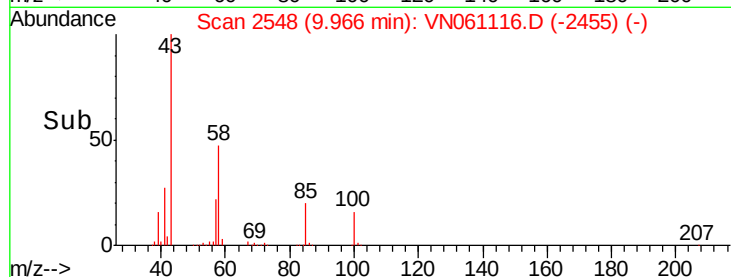
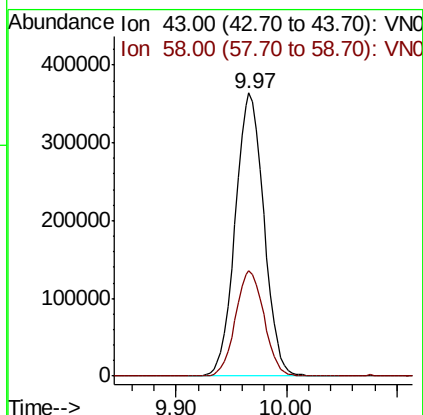
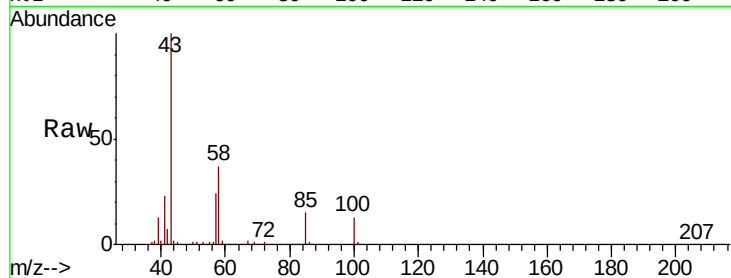




#51
 4-Methyl-2-Pentanone
 Concen: 243.450 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

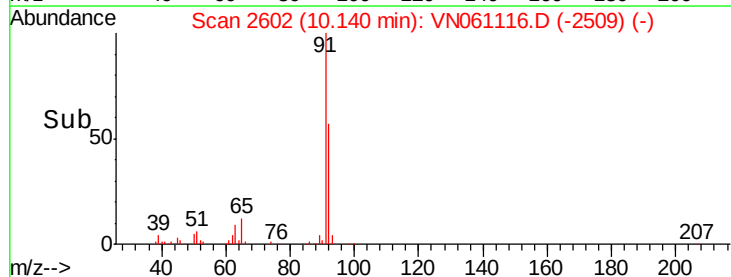
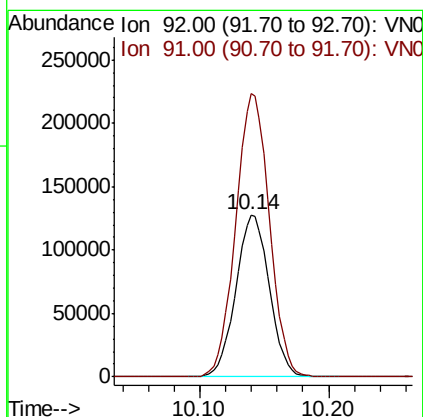
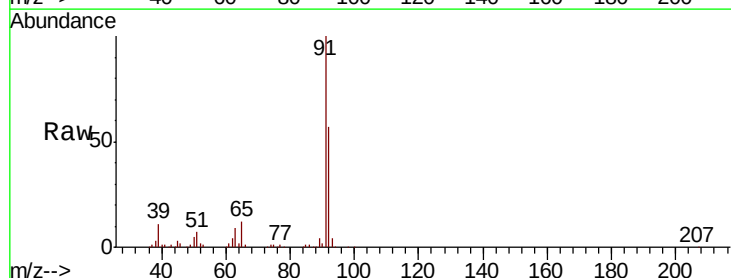
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

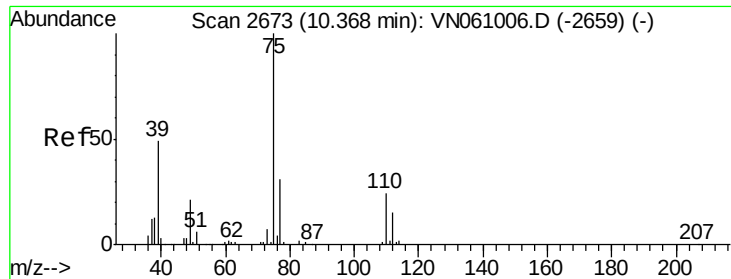
Tot Ion: 43 Resp: 654080
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.3 45.5



#52
 Toluene
 Concen: 49.070 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 92 Resp: 230479
 Ion Ratio Lower Upper
 92 100
 91 175.6 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 49.638 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

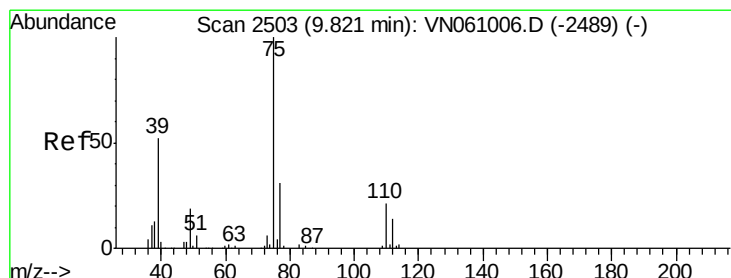
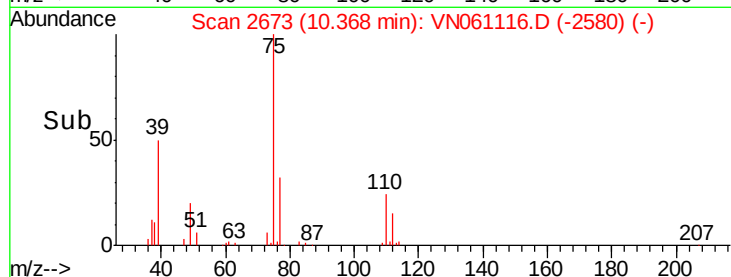
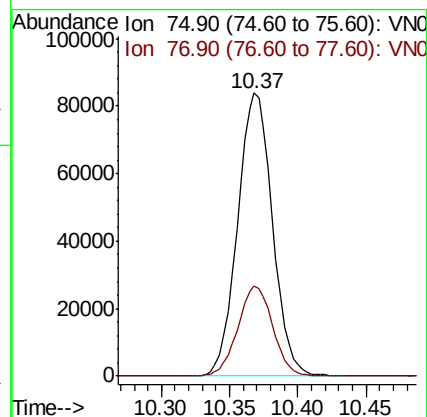
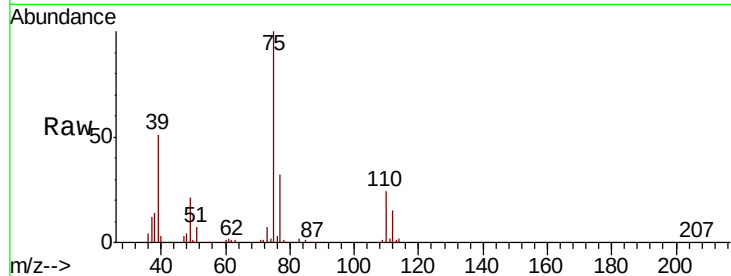
VSTDCCC050EC

Tot Ion: 75 Resp: 148515

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 49.249 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

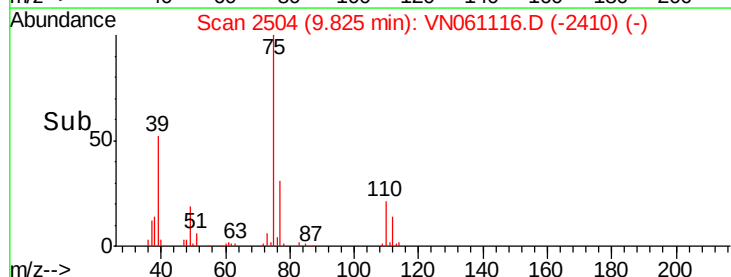
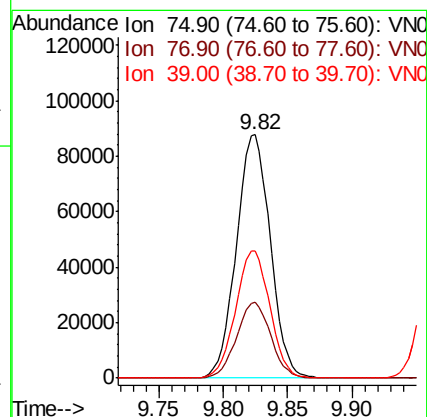
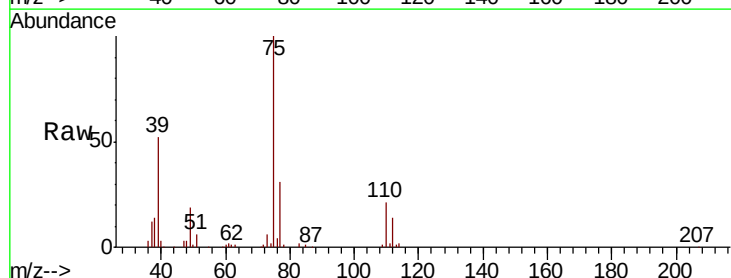
Tgt Ion: 75 Resp: 160774

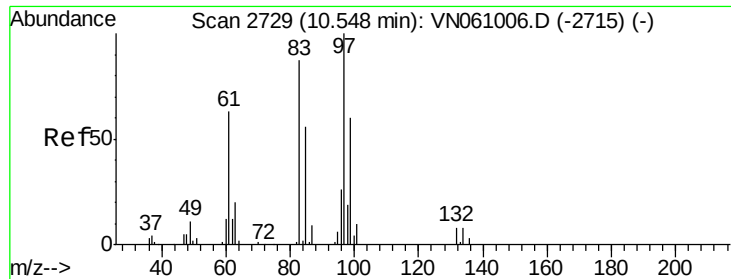
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 52.3 41.4 62.2

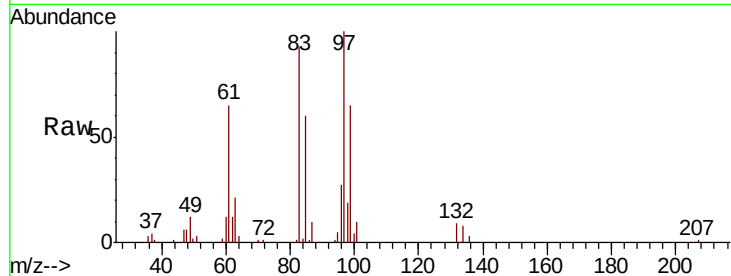




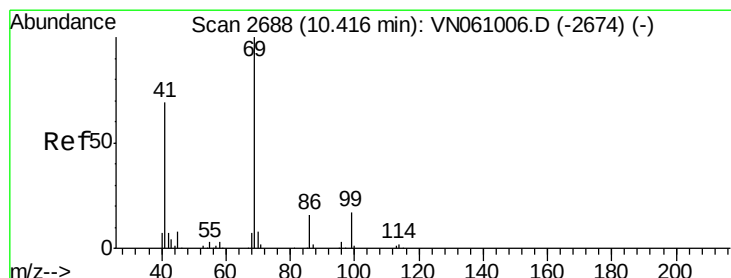
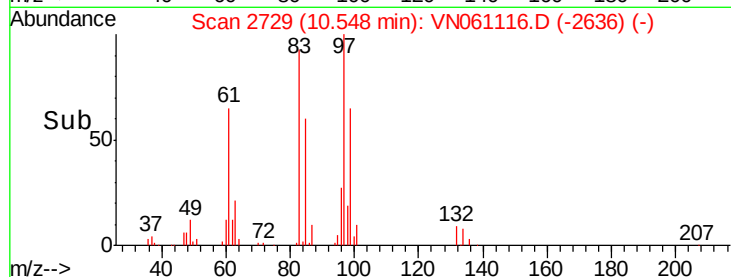
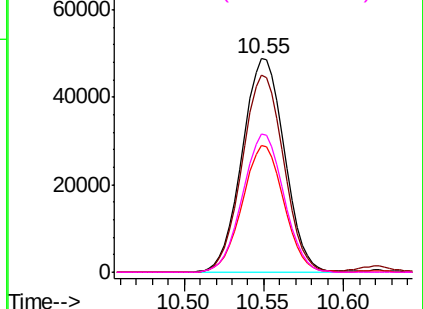
#55
 1,1,2-Trichloroethane
 Concen: 49.710 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88358
Ion	Ratio	Lower	Upper
97	100		
83	92.6	69.5	104.3
85	59.5	45.0	67.4
99	64.8	47.9	71.9

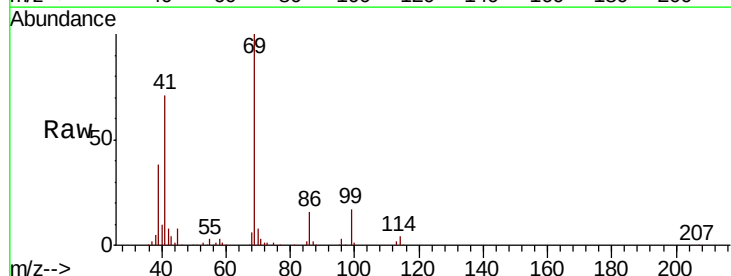


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

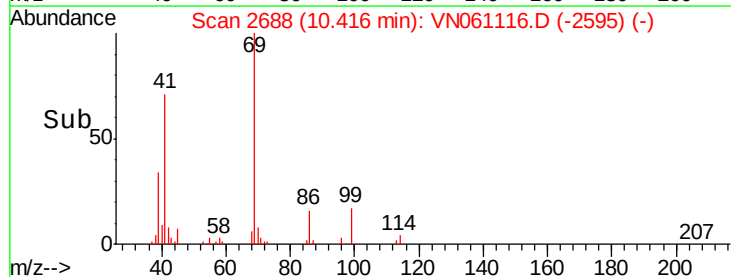
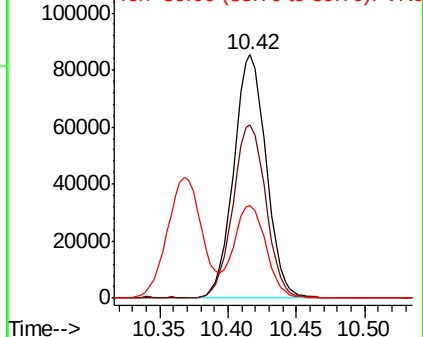


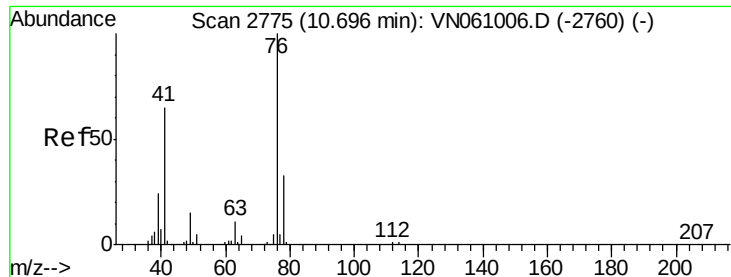
#56
 Ethyl methacrylate
 Concen: 50.549 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion:	69	Resp:	141288
Ion	Ratio	Lower	Upper
69	100		
41	72.9	56.7	85.1
39	37.7	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.829 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

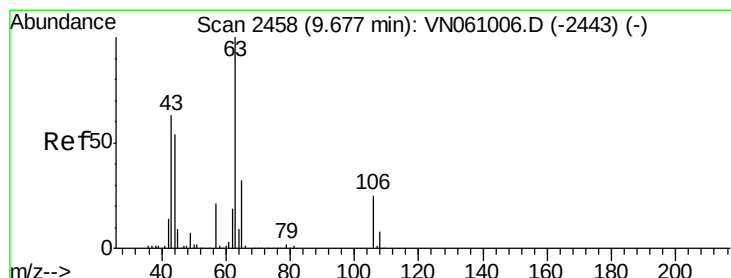
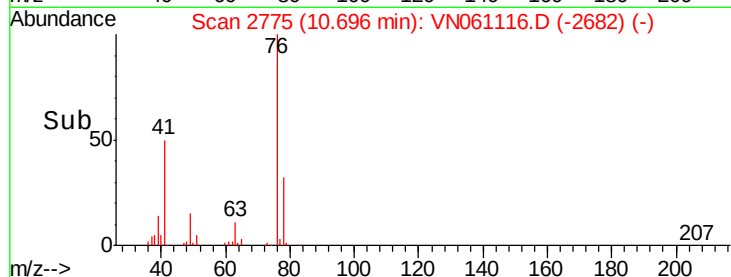
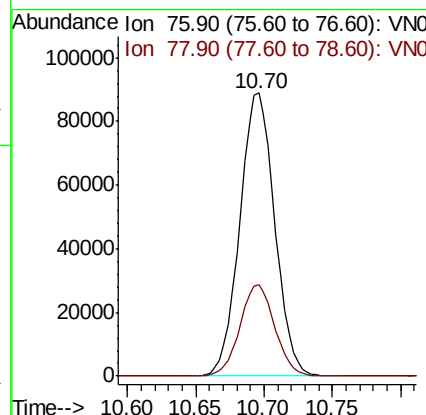
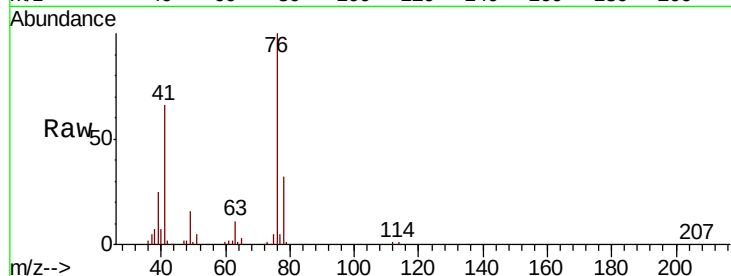
VSTDCCC050EC

Tot Ion: 76 Resp: 157985

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 245.064 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061116.D

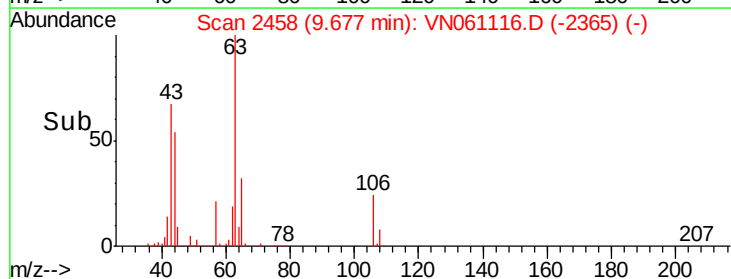
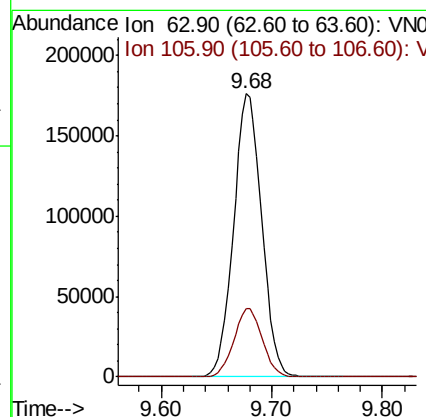
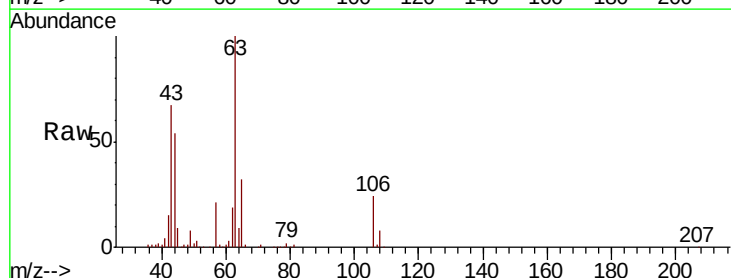
Acq: 20 Apr 2020 20:46

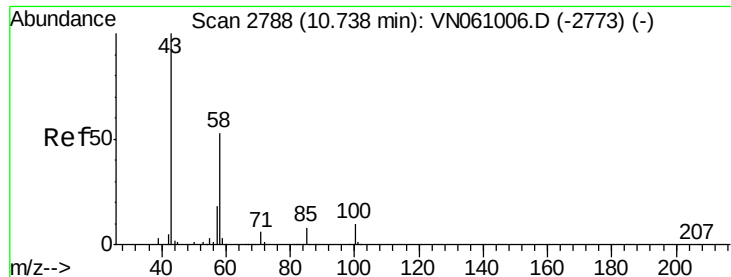
Tgt Ion: 63 Resp: 311250

Ion Ratio Lower Upper

63 100

106 24.4 19.5 29.3

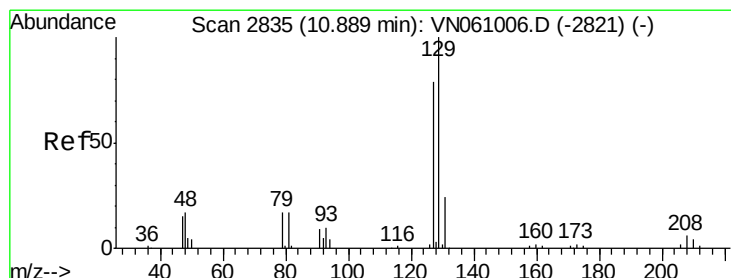
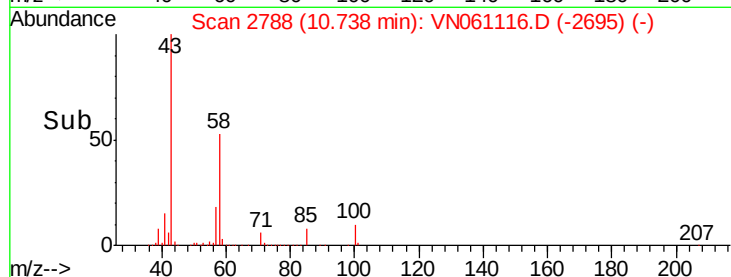
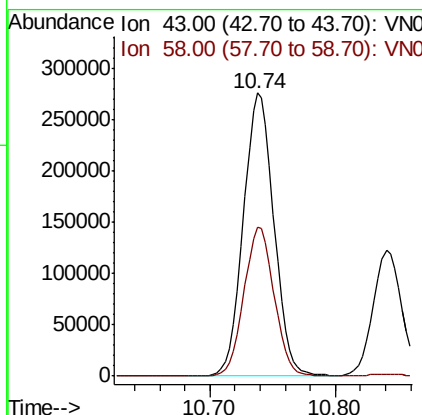
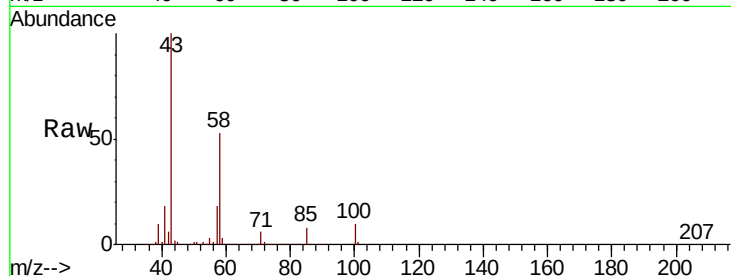




#59
2-Hexanone
Concen: 241.141 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

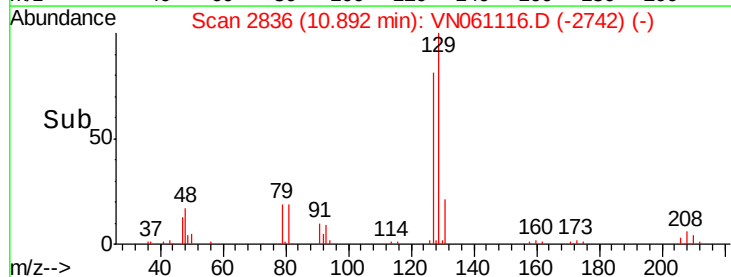
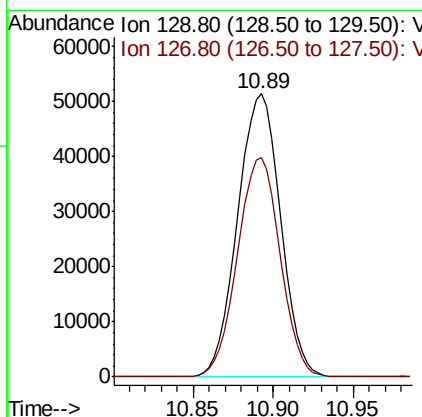
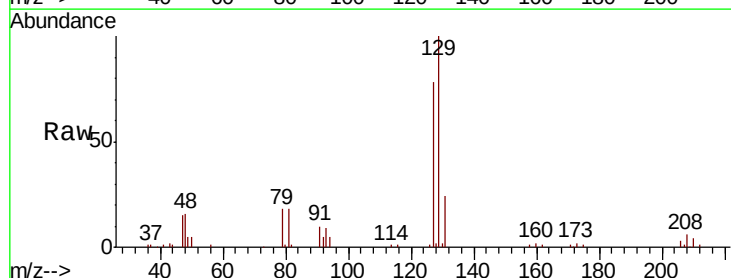
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

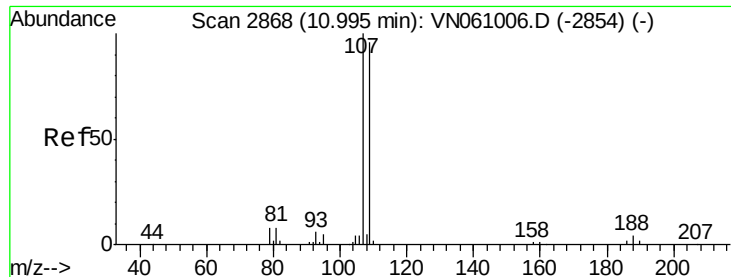
Tot Ion: 43 Resp: 467236
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0



#60
Dibromochloromethane
Concen: 51.723 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 129 Resp: 94441
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

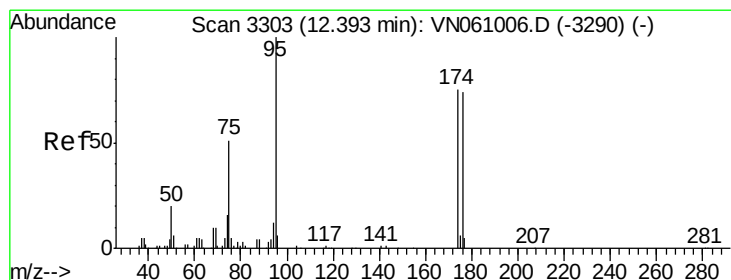
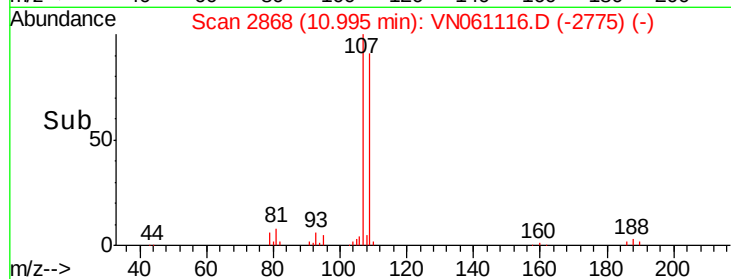
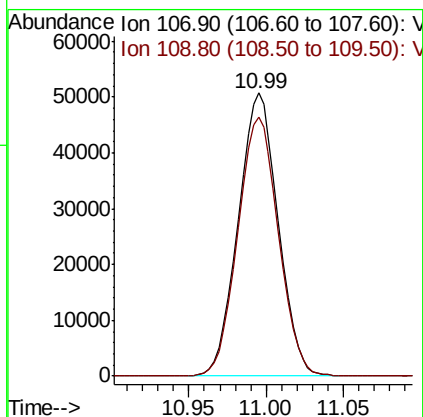
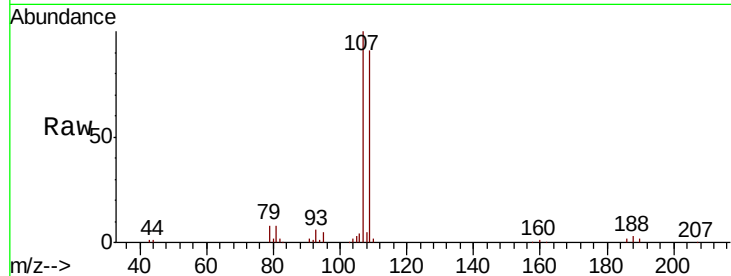




#61
 1,2-Dibromoethane
 Concen: 50.113 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

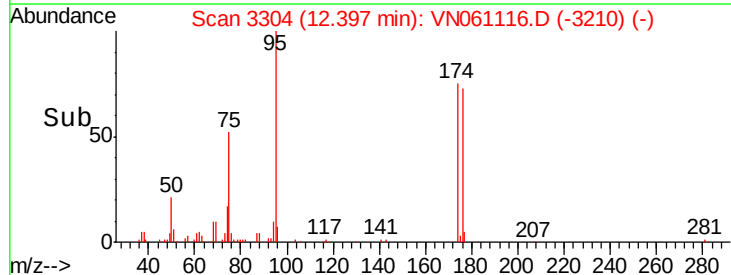
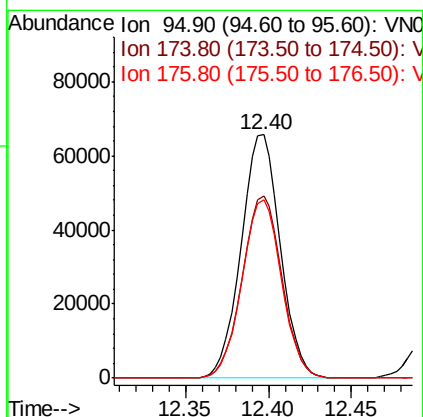
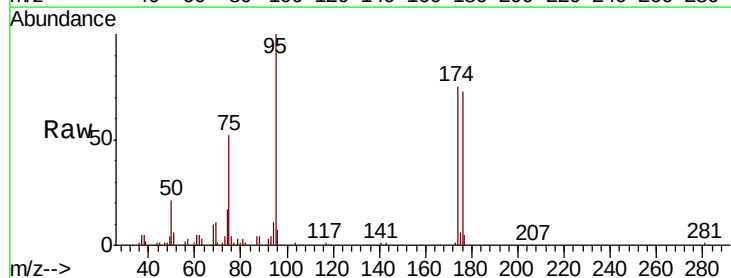
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

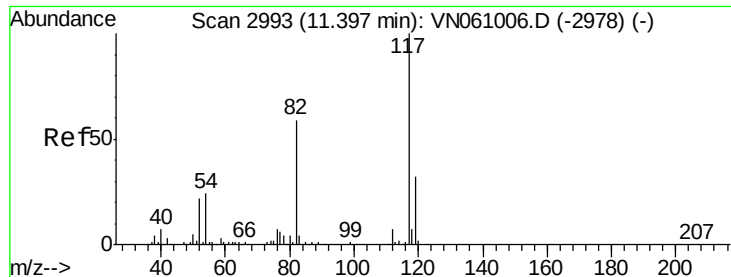
Tot Ion:107 Resp: 90766
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.795 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 95 Resp: 107935
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 151.2
 176 73.8 0.0 148.2

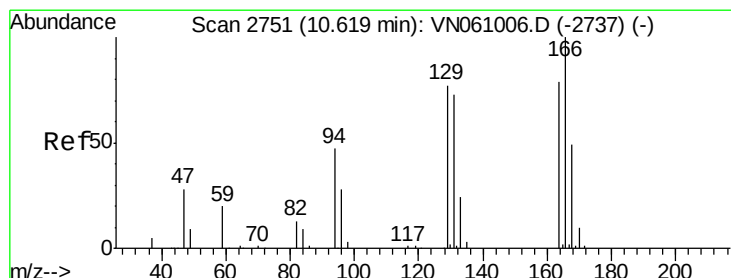
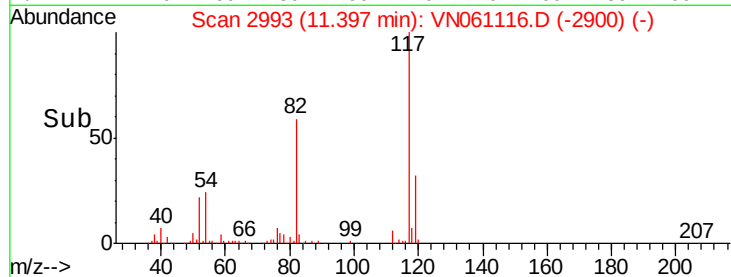
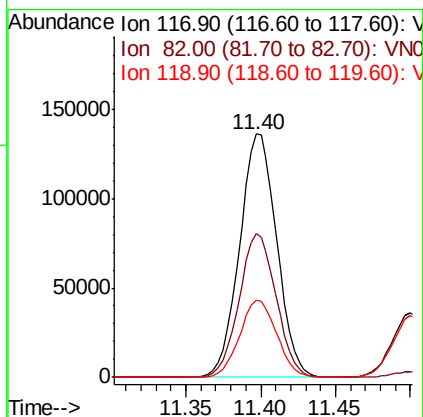
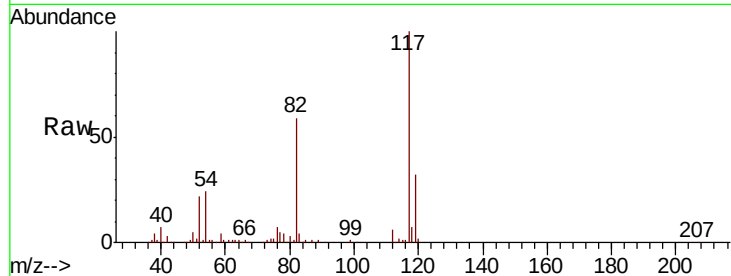




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

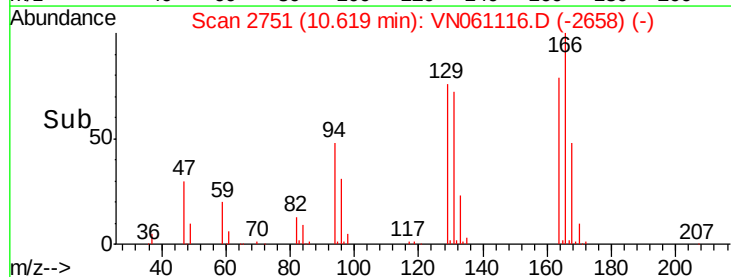
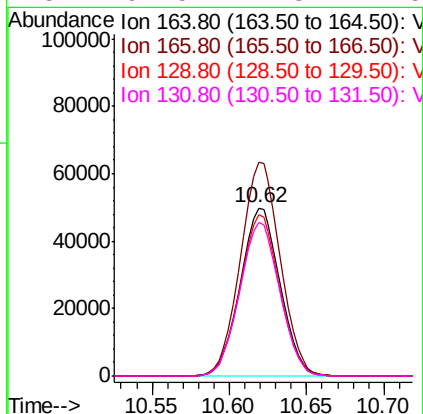
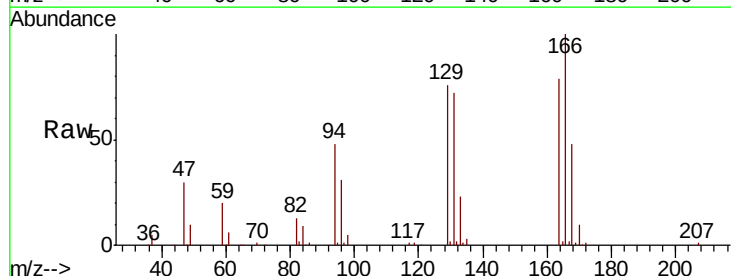
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

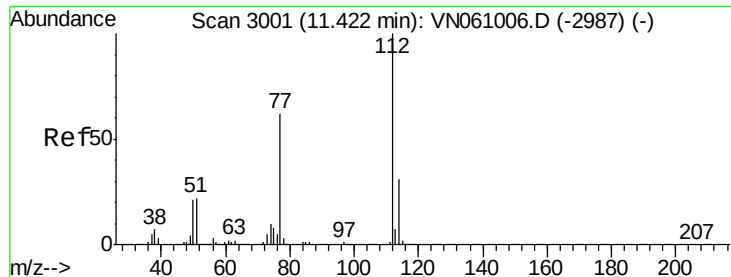
Tot Ion:117 Resp: 235341
Ion Ratio Lower Upper
117 100
82 59.0 47.1 70.7
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 49.401 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion:164 Resp: 88965
Ion Ratio Lower Upper
164 100
166 127.0 101.6 152.4
129 96.1 78.5 117.7
131 91.5 74.3 111.5





#65

Chlorobenzene

Concen: 48.406 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

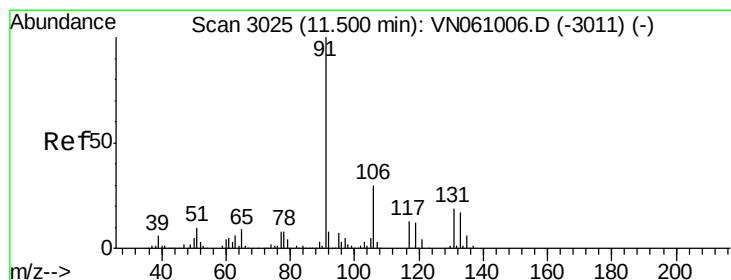
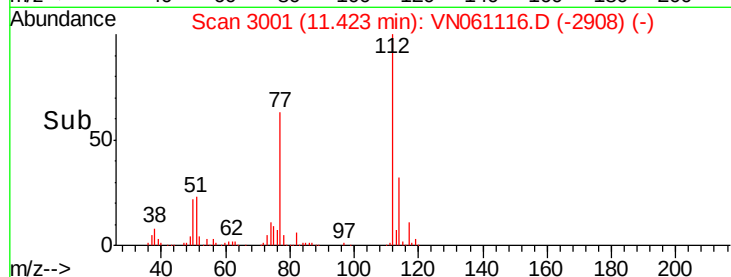
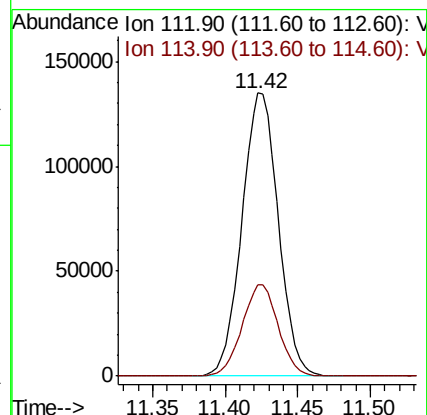
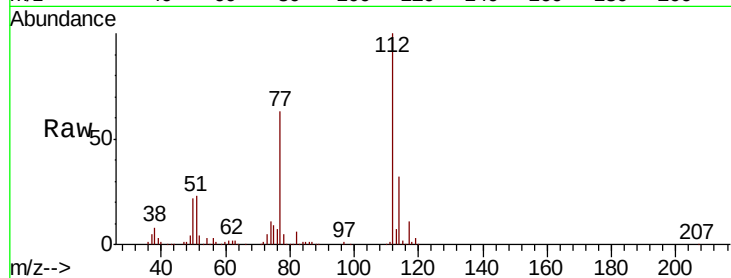
VSTDCCC050EC

Tot Ion:112 Resp: 235172

Ion Ratio Lower Upper

112 100

114 32.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 49.664 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

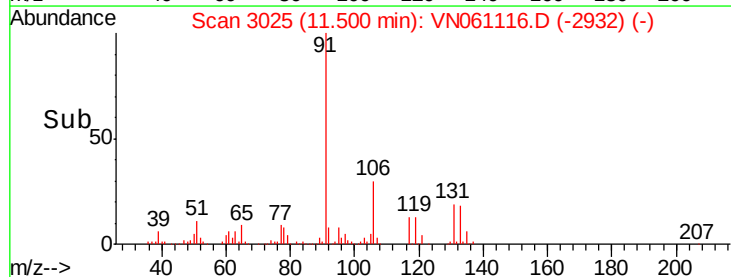
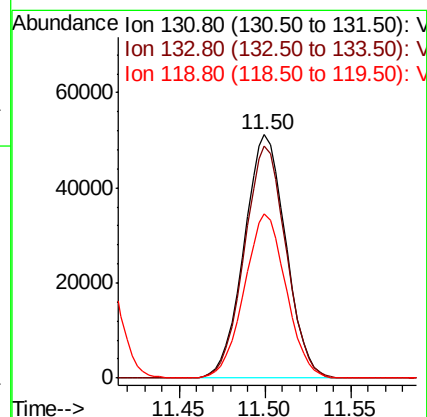
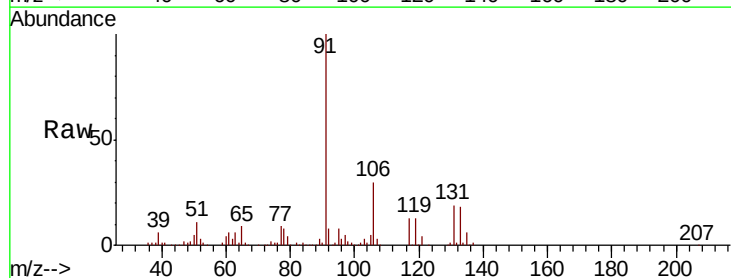
Tgt Ion:131 Resp: 86324

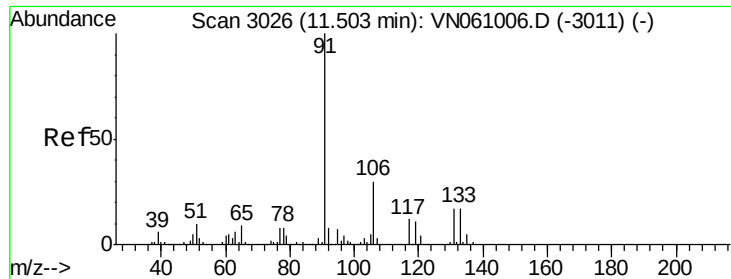
Ion Ratio Lower Upper

131 100

133 95.6 47.9 143.8

119 67.5 33.3 99.8

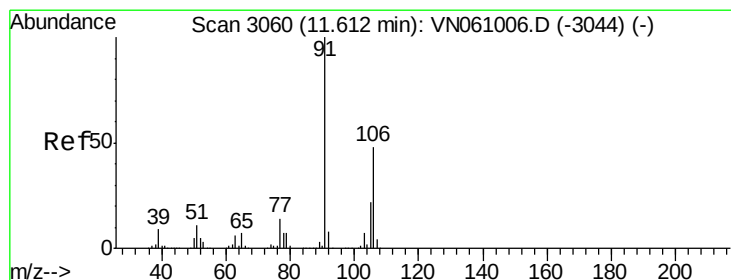
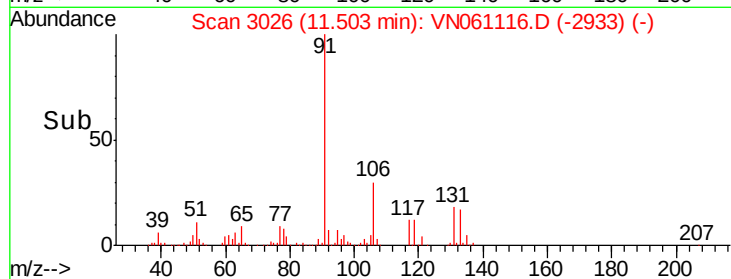
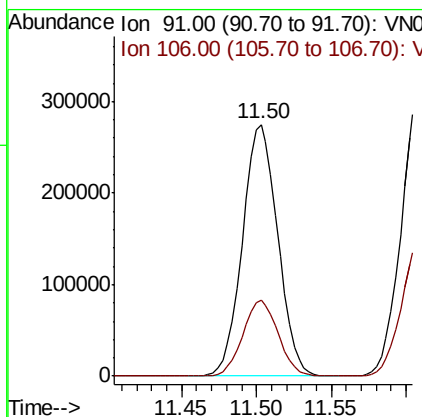
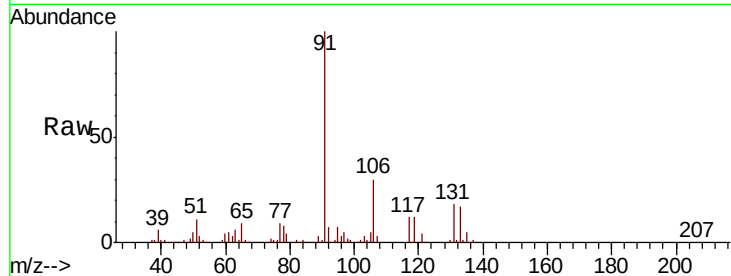




#67
Ethyl Benzene
Concen: 49.352 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

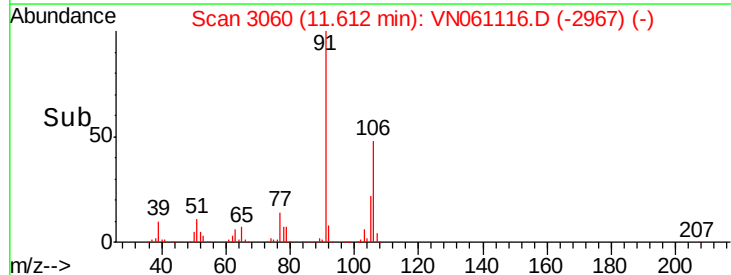
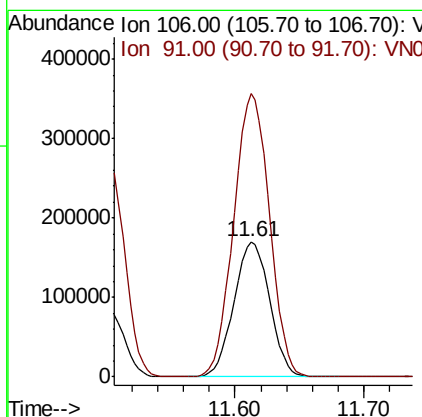
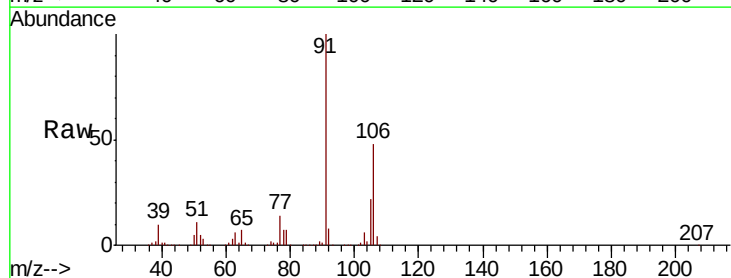
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

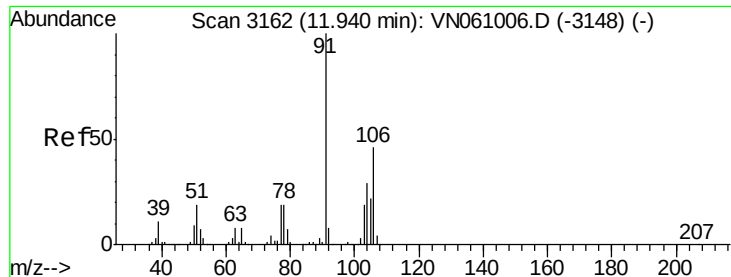
Tot Ion: 91 Resp: 451013
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8



#68
m/p-Xylenes
Concen: 99.106 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 106 Resp: 327318
Ion Ratio Lower Upper
106 100
91 209.8 167.9 251.9

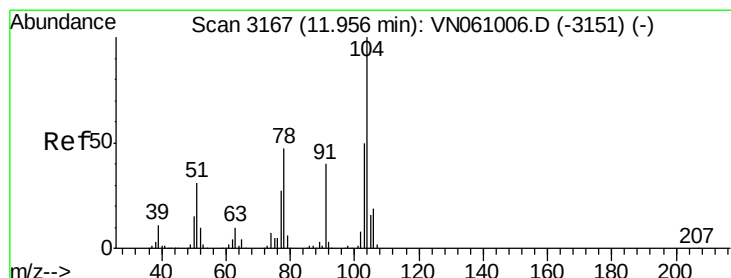
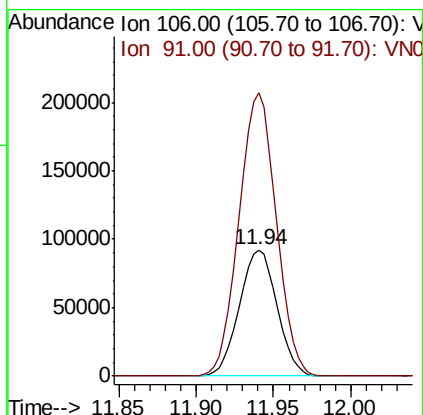
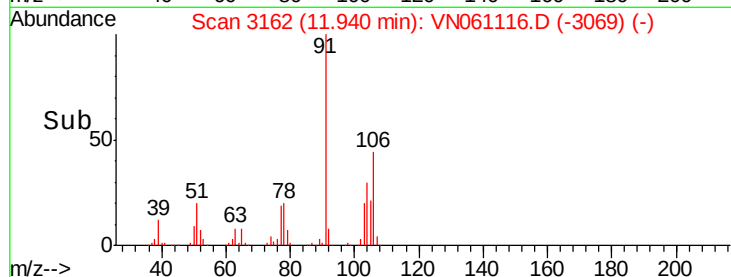
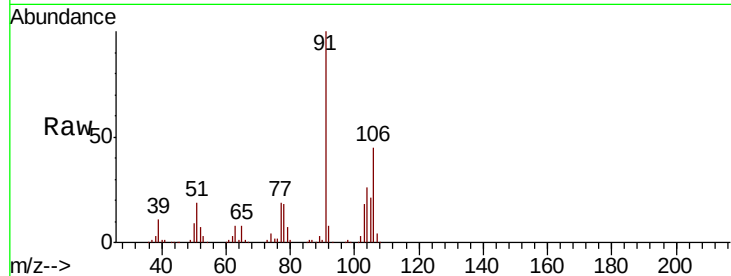




#69
o-Xylene
Concen: 49.162 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

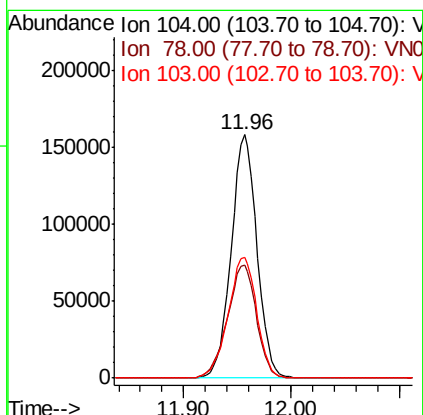
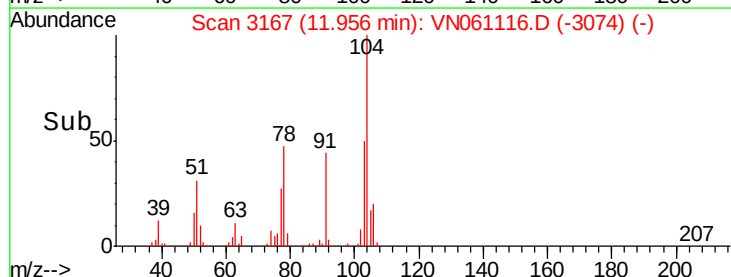
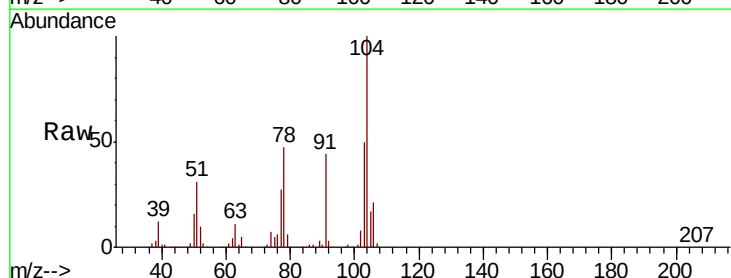
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

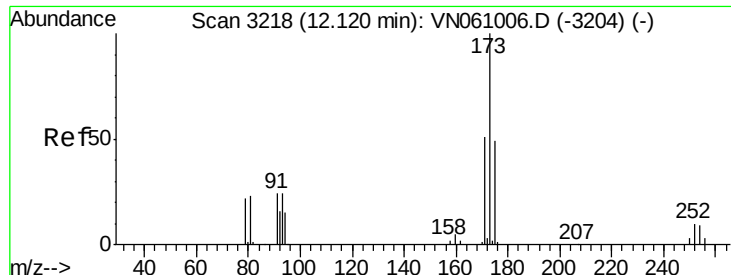
Tot Ion:106 Resp: 156114
Ion Ratio Lower Upper
106 100
91 222.5 110.7 332.1



#70
Styrene
Concen: 51.507 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion:104 Resp: 263315
Ion Ratio Lower Upper
104 100
78 52.2 42.2 63.4
103 55.0 44.4 66.6





#71

Bromoform

Concen: 51.306 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

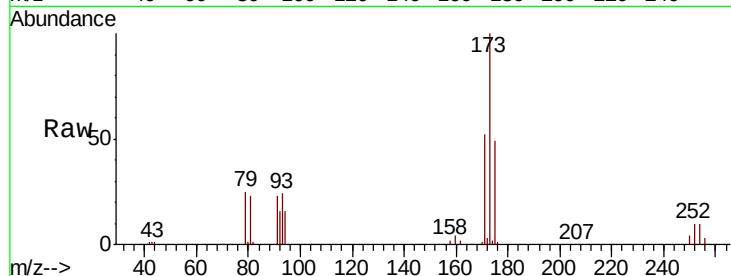
Tot Ion:173 Resp: 66565

Ion Ratio Lower Upper

173 100

175 49.2 24.5 73.5

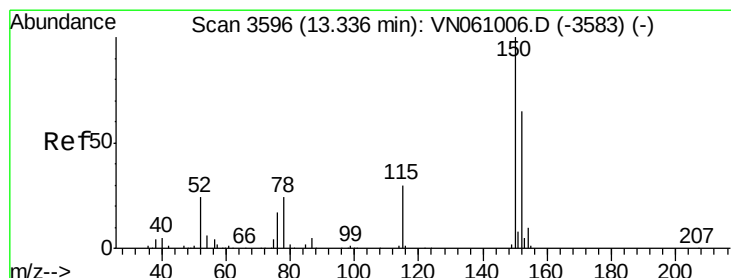
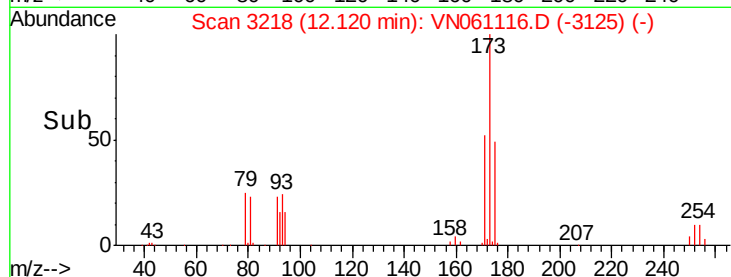
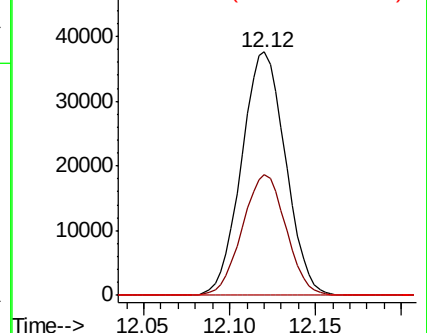
254 0.0 0.0 0.0



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: VN061116.D

Acq: 20 Apr 2020 20:46

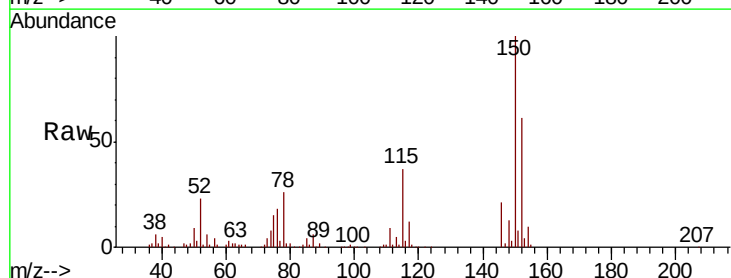
Tgt Ion:152 Resp: 110457

Ion Ratio Lower Upper

152 100

115 60.7 30.8 92.4

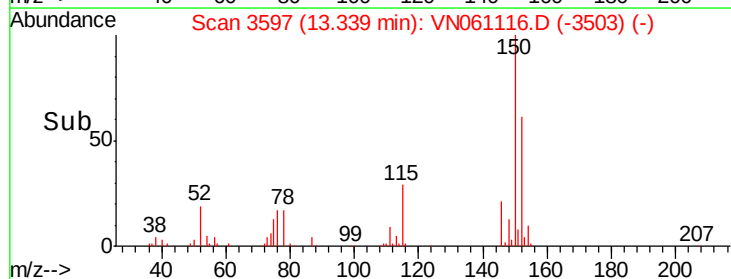
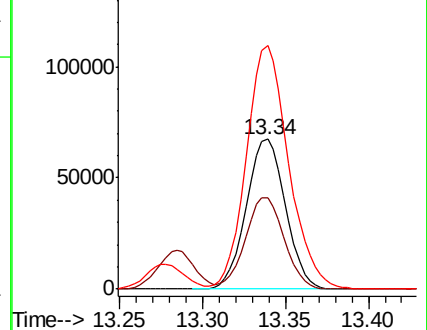
150 175.2 0.0 349.0

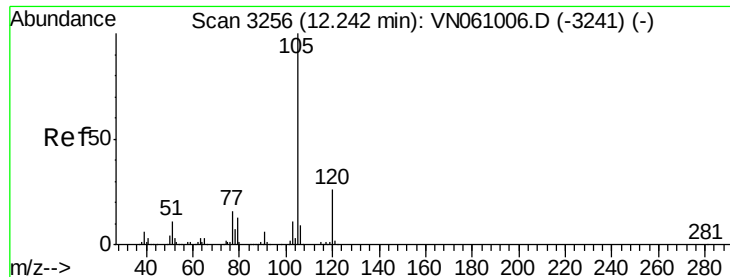


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.114 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

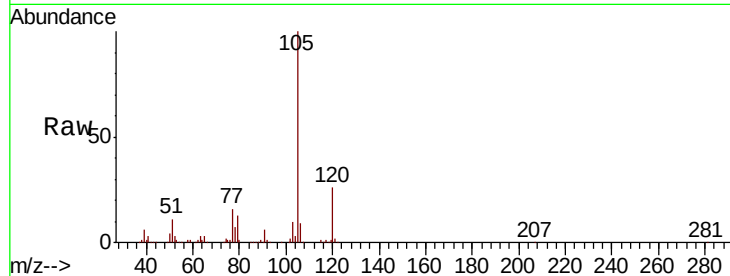
VSTDCCC050EC

Tot Ion:105 Resp: 425776

Ion Ratio Lower Upper

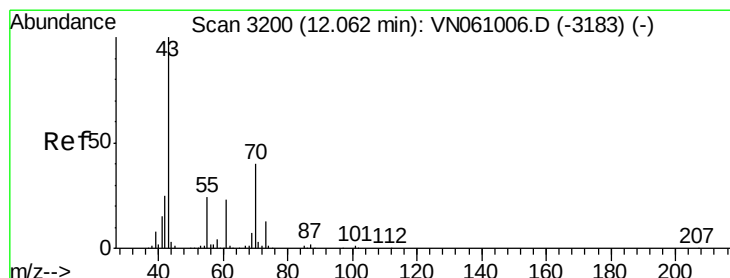
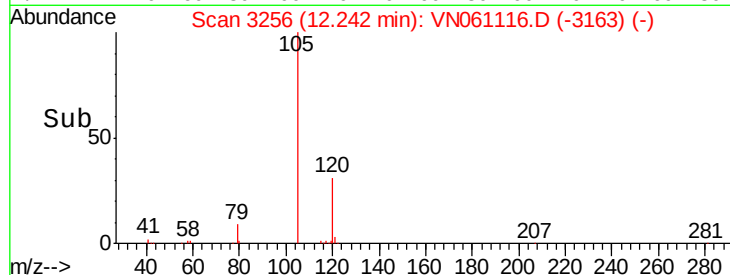
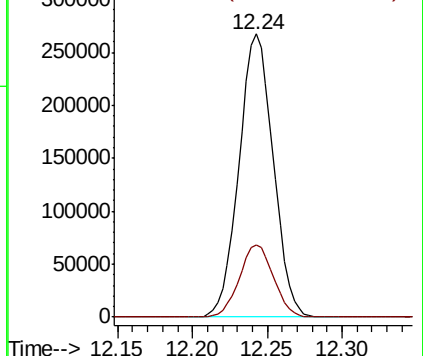
105 100

120 25.5 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.682 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Tgt Ion: 43 Resp: 196219

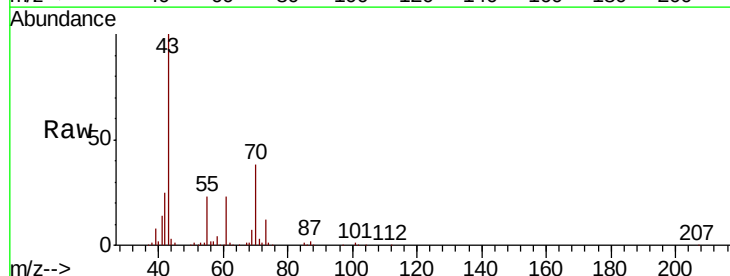
Ion Ratio Lower Upper

43 100

70 38.2 31.0 46.6

55 23.1 18.6 27.8

61 23.0 18.2 27.4

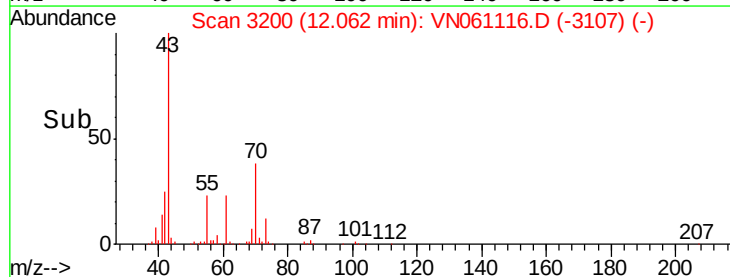
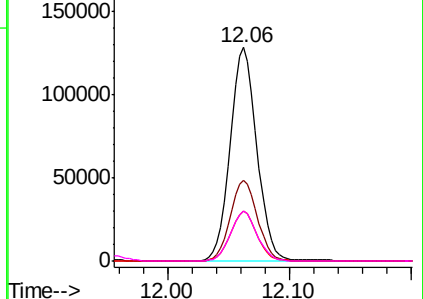


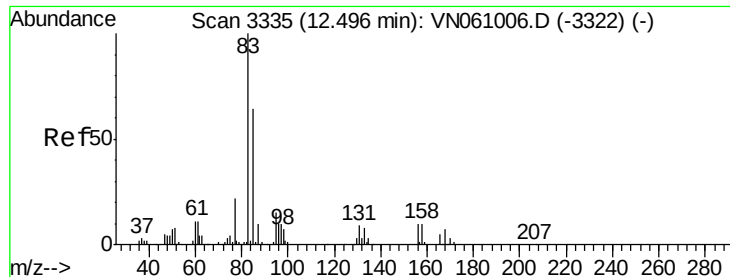
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.895 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

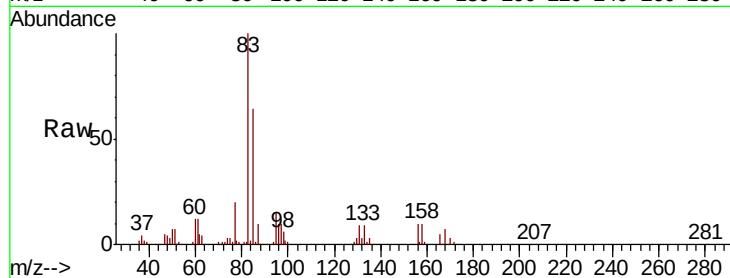
Tot Ion: 83 Resp: 129378

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

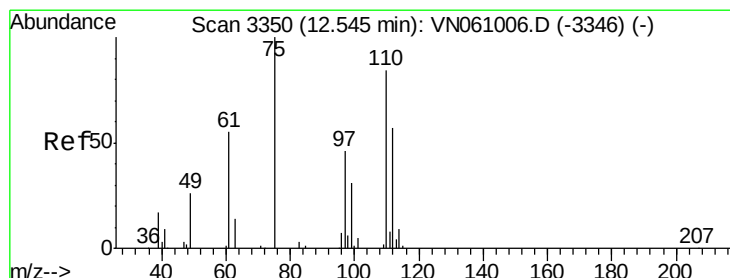
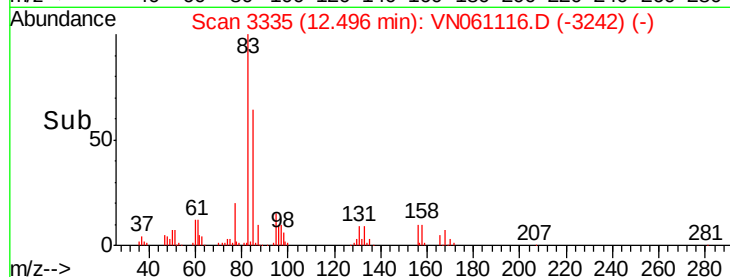
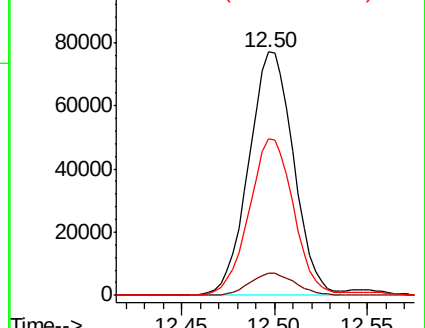
85 63.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061116.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN061116.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN061116.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 70.504 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061116.D

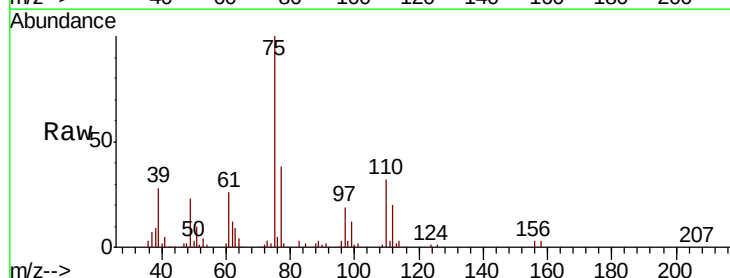
Acq: 20 Apr 2020 20:46

Tgt Ion: 75 Resp: 171296

Ion Ratio Lower Upper

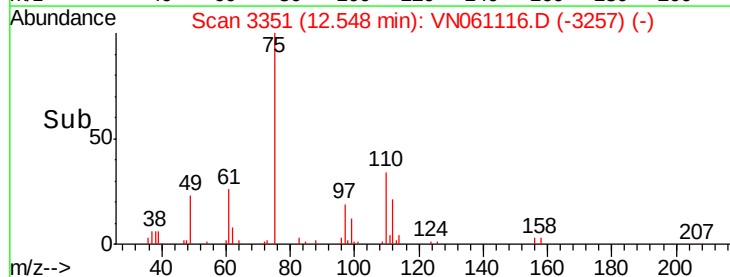
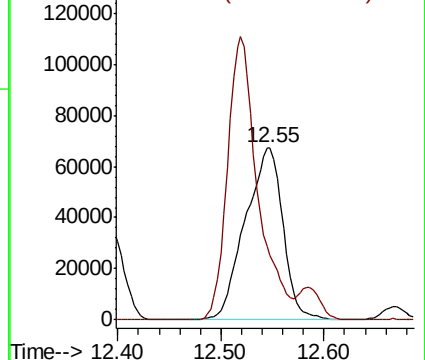
75 100

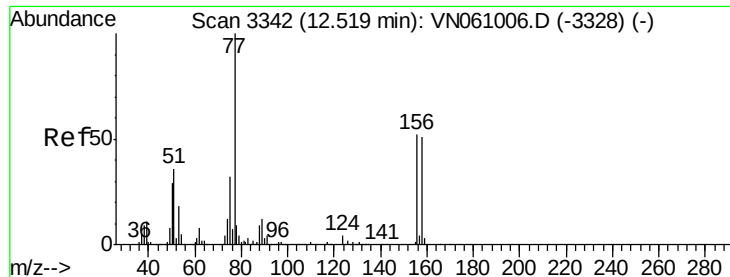
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061116.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN061116.D (-3350) (-)





#77

Bromobenzene

Concen: 48.358 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

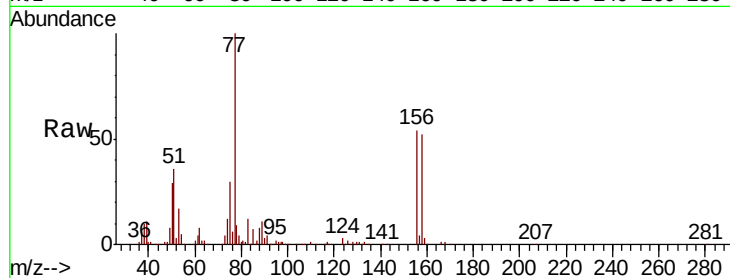
Tot Ion:156 Resp: 99915

Ion Ratio Lower Upper

156 100

77 226.6 115.6 346.8

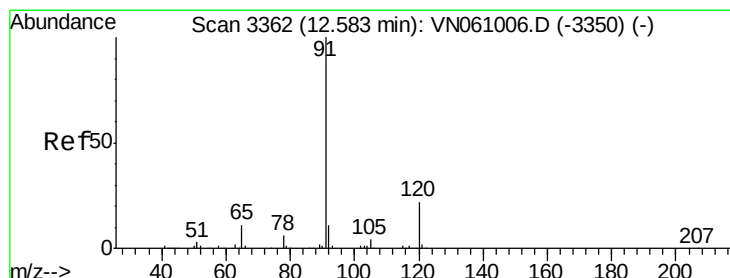
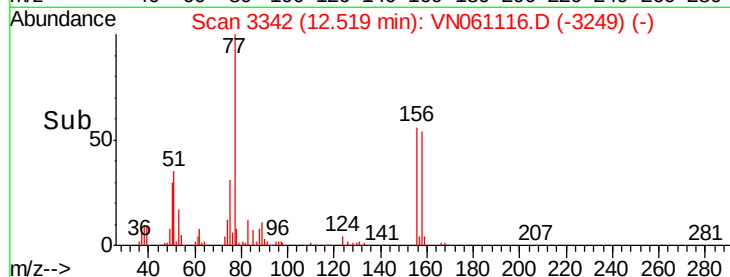
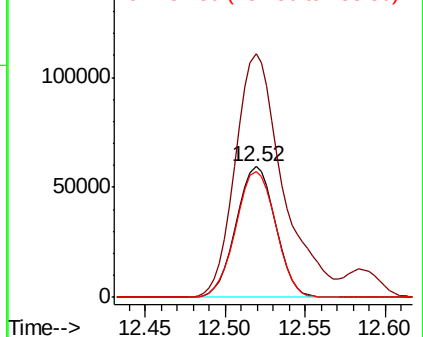
158 97.8 48.9 146.6



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: 48.804 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061116.D

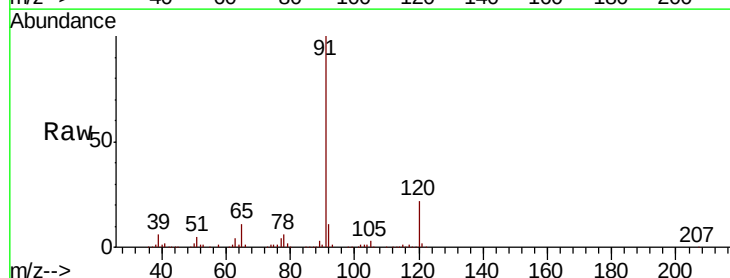
Acq: 20 Apr 2020 20:46

Tgt Ion: 91 Resp: 505283

Ion Ratio Lower Upper

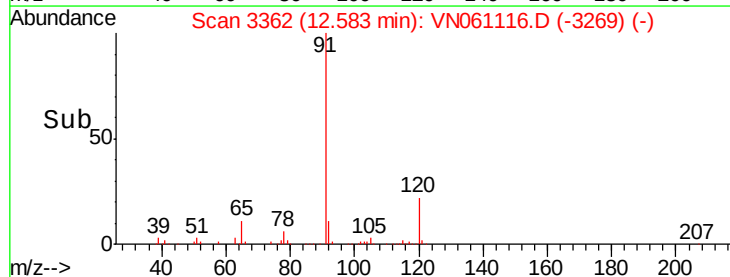
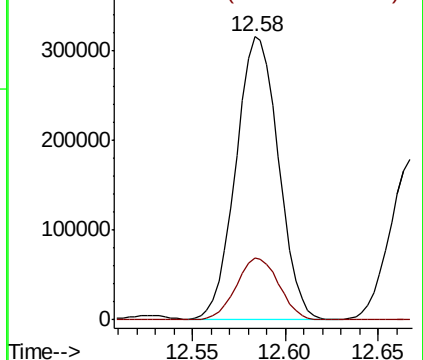
91 100

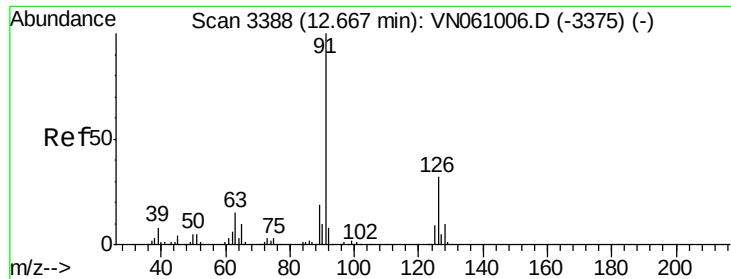
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.579 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

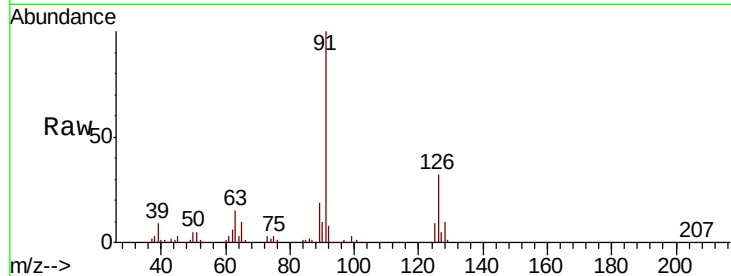
VSTDCCC050EC

Tot Ion: 91 Resp: 294984

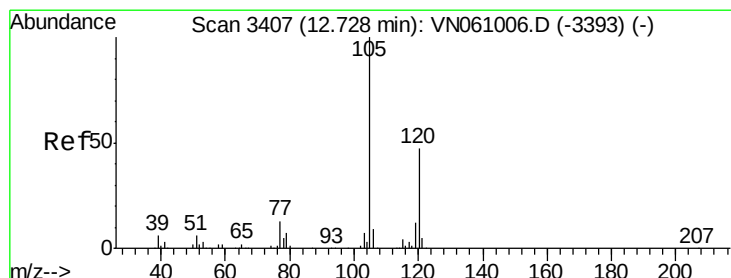
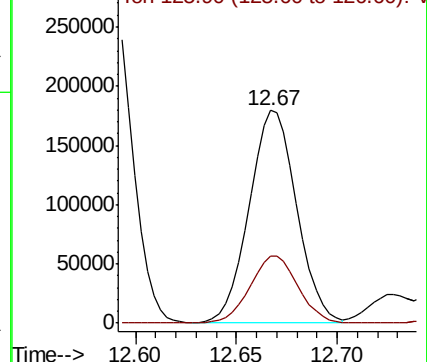
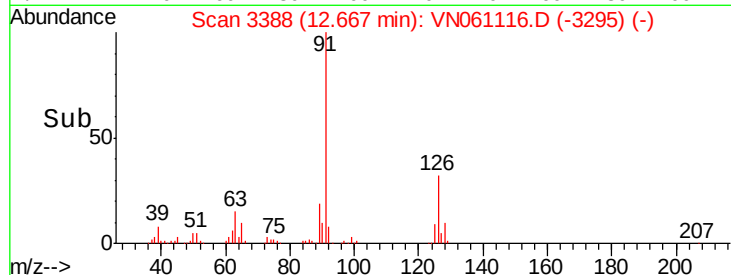
Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061116.D (-3295) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.106 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061116.D

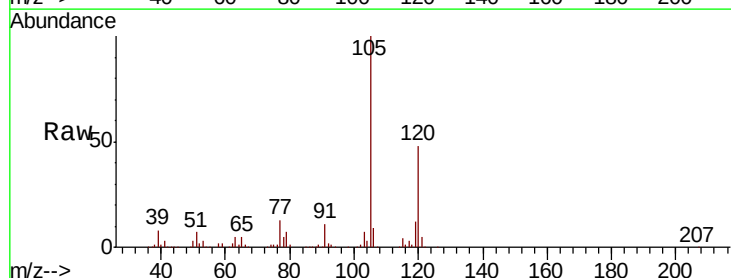
Acq: 20 Apr 2020 20:46

Tgt Ion:105 Resp: 359191

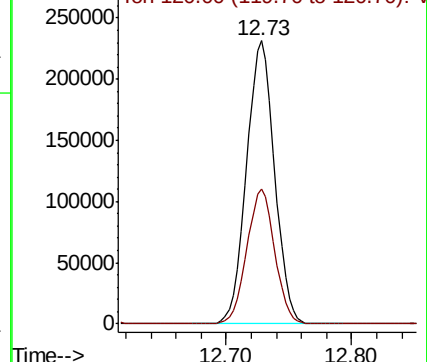
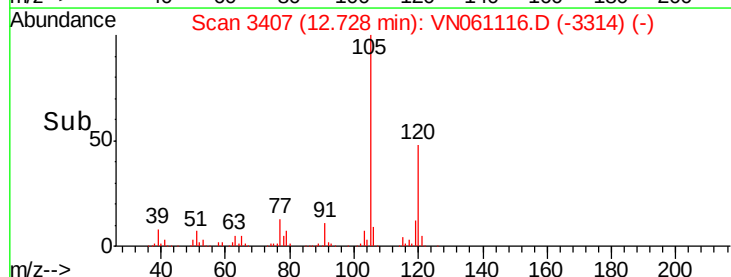
Ion Ratio Lower Upper

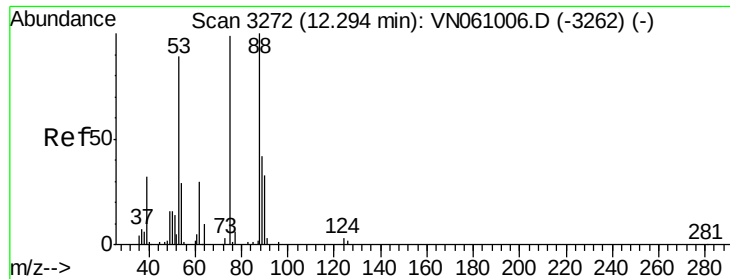
105 100

120 47.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061116.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.297 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

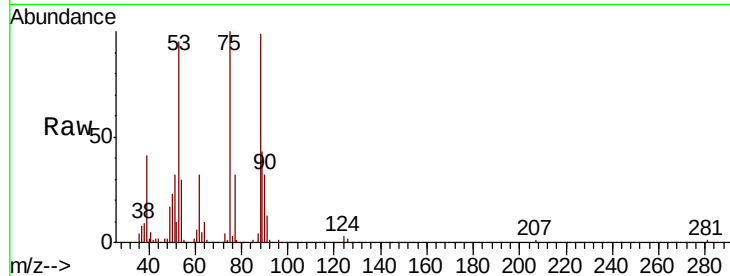
Tot Ion: 75 Resp: 43633

Ion Ratio Lower Upper

75 100

53 95.0 74.7 112.1

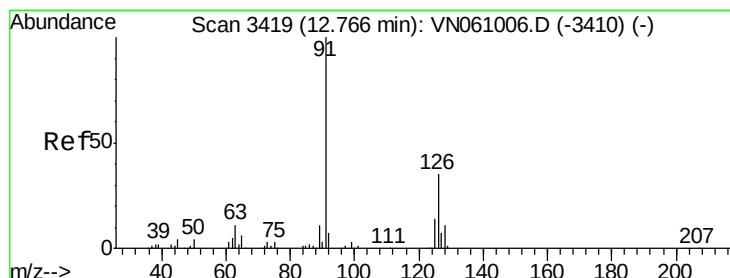
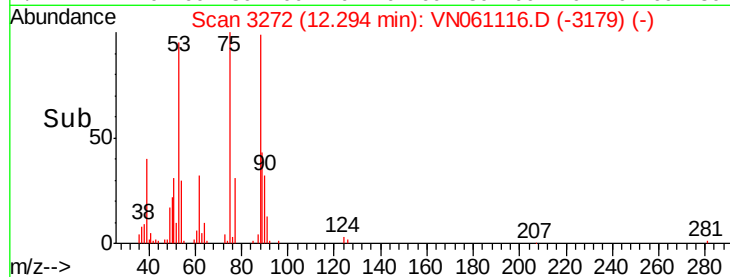
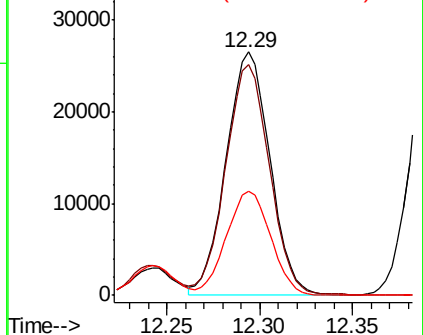
89 43.0 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN061116.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061116.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061116.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 48.955 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061116.D

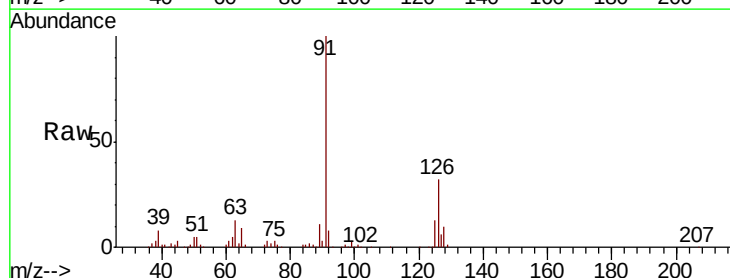
Acq: 20 Apr 2020 20:46

Tgt Ion: 91 Resp: 308308

Ion Ratio Lower Upper

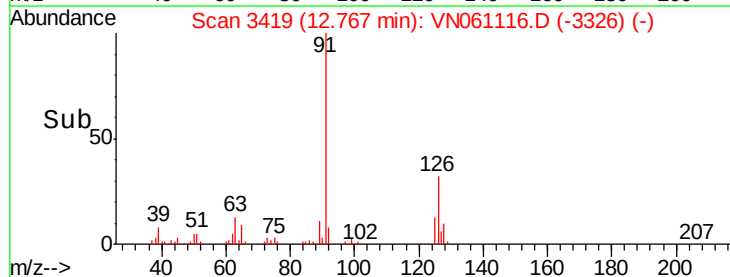
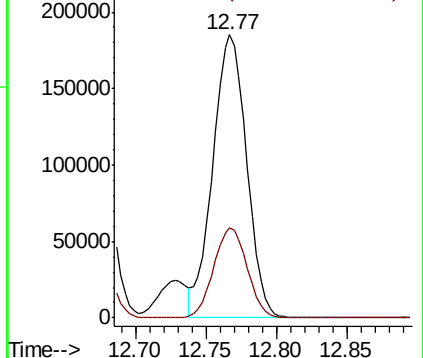
91 100

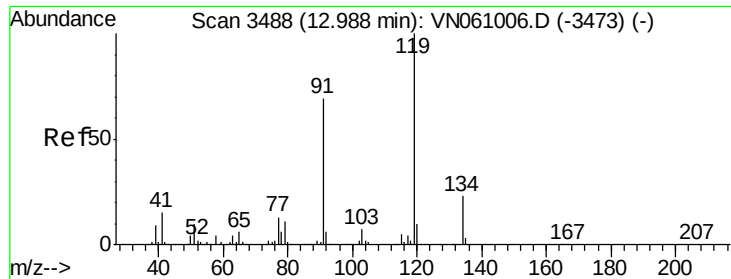
126 31.5 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN061116.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061116.D (-3326) (-)

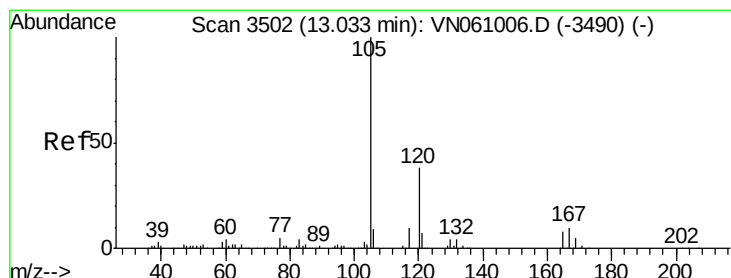
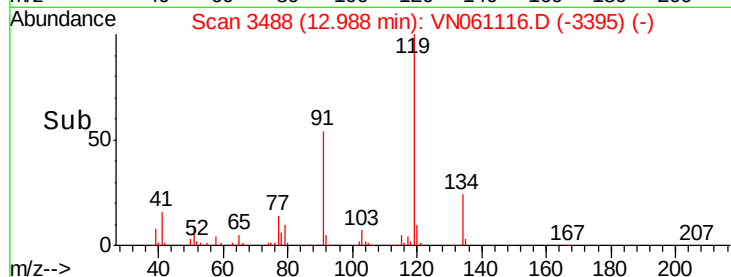
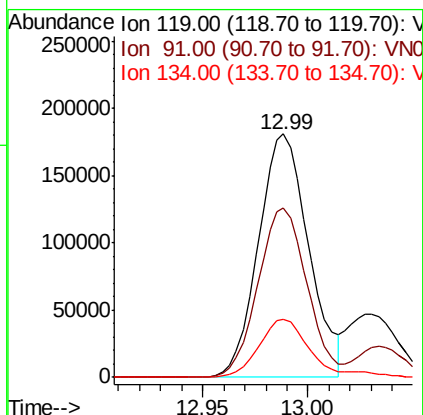
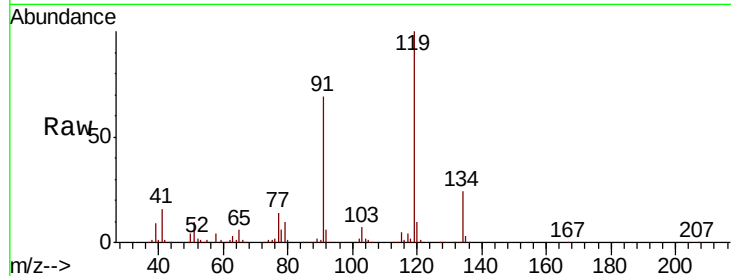




#83
 tert-Butylbenzene
 Concen: 48.712 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

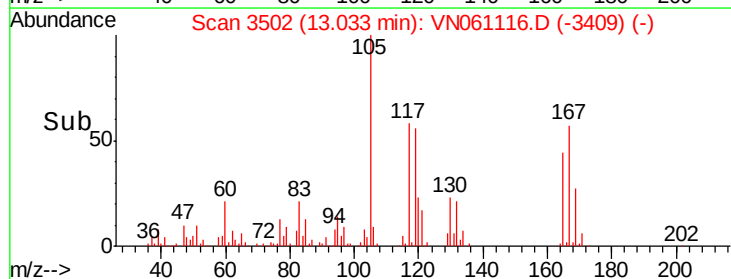
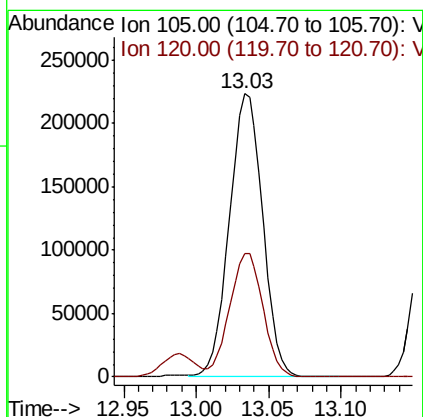
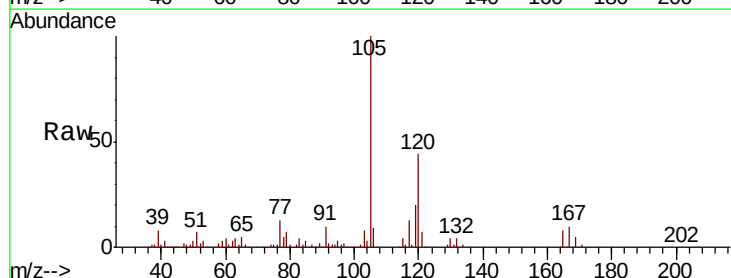
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

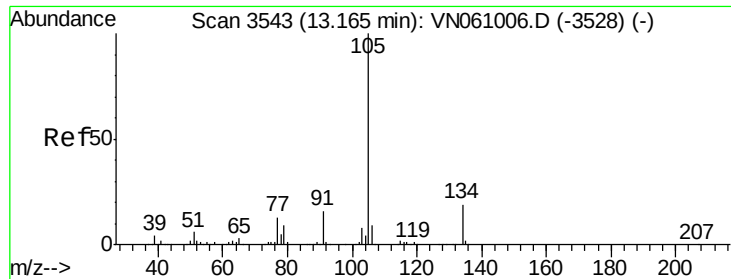
Tot Ion:119 Resp: 299649
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.1 102.3
 134 24.8 12.4 37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 49.363 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion:105 Resp: 356906
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 49.222 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

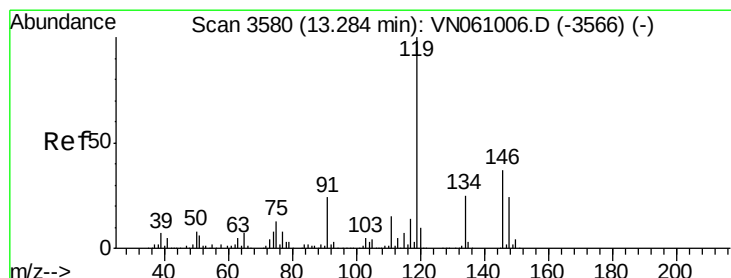
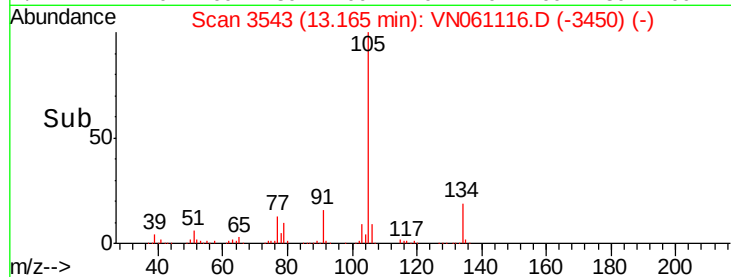
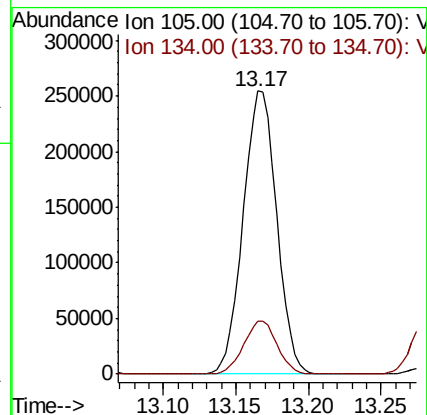
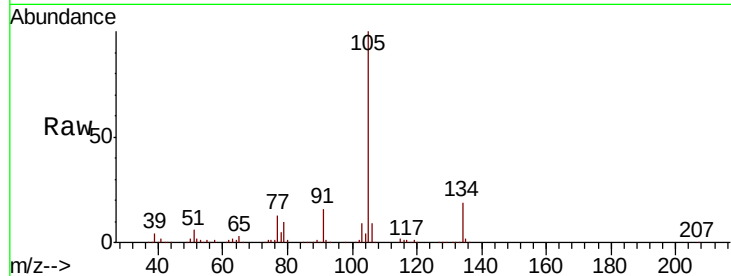
VSTDCCC050EC

Tot Ion:105 Resp: 410256

Ion Ratio Lower Upper

105 100

134 18.7 9.5 28.5



#86

p-Isopropyltoluene

Concen: 48.942 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

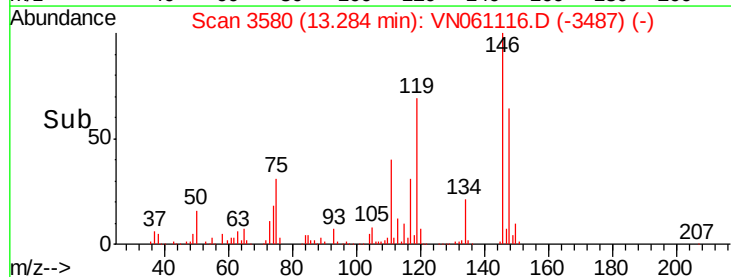
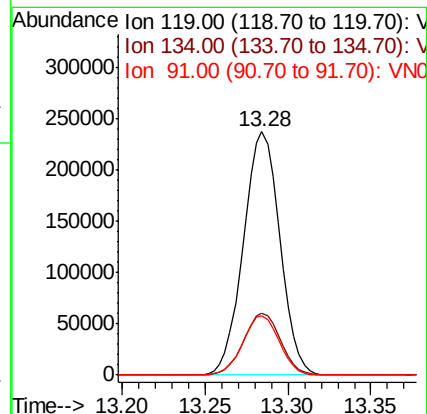
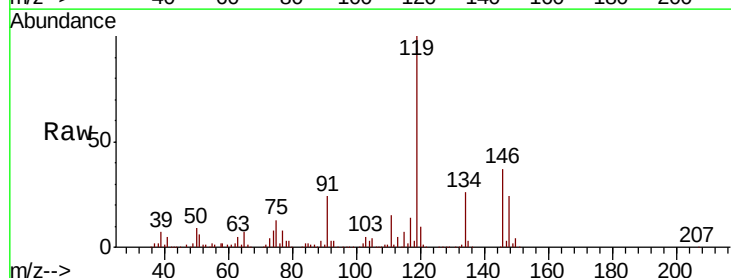
Tgt Ion:119 Resp: 363246

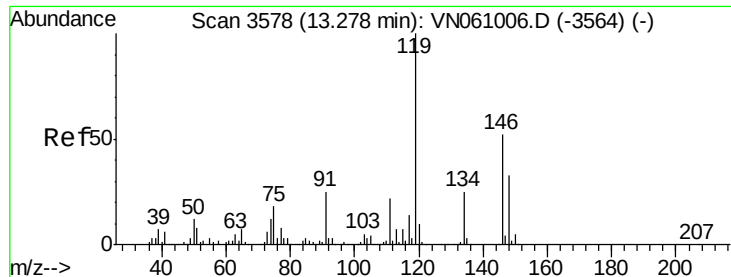
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.6 12.3 36.8

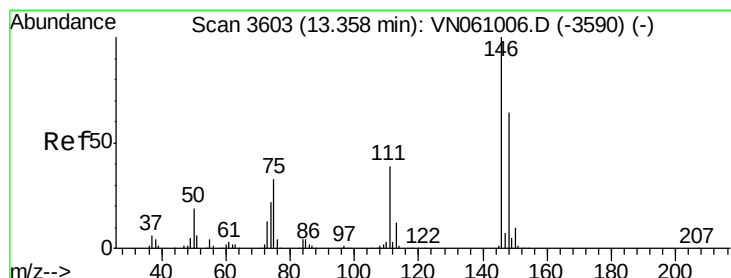
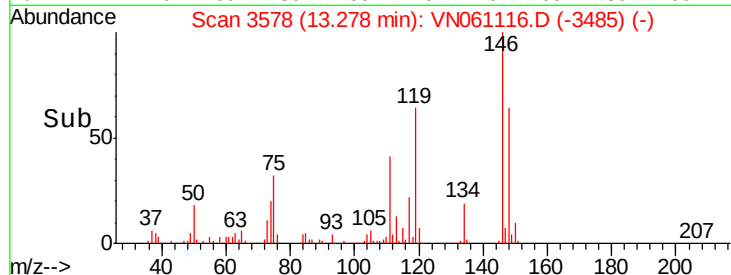
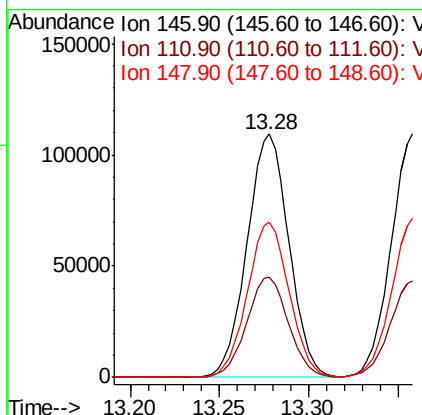
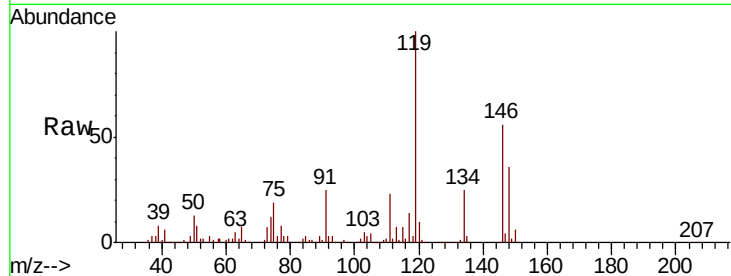




#87
 1,3-Dichlorobenzene
 Concen: 48.687 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

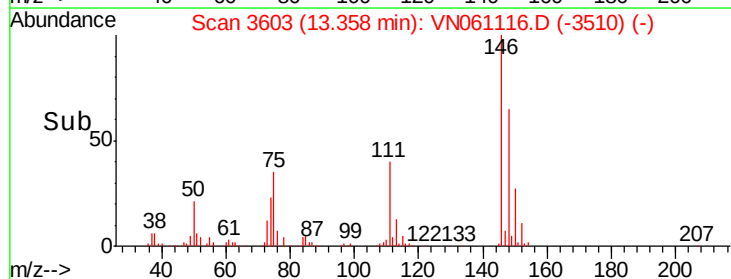
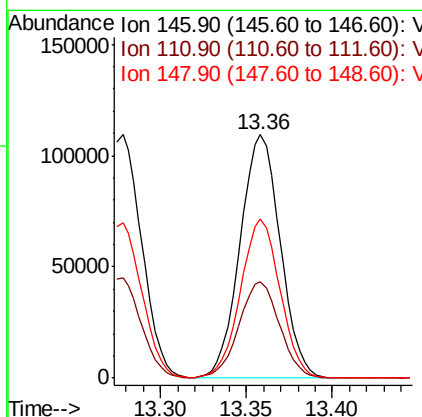
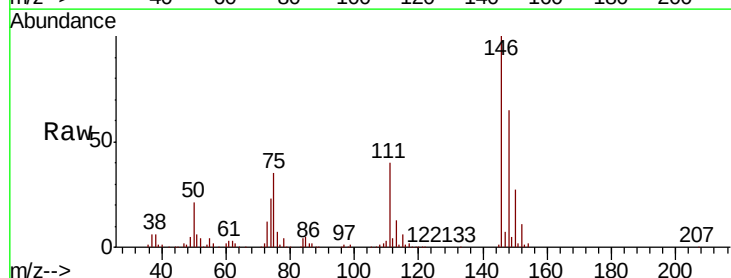
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

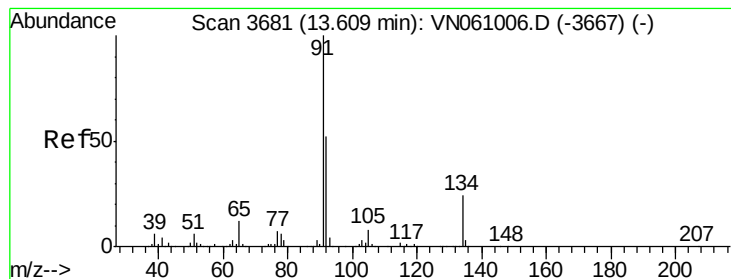
Tot Ion:146 Resp: 179272
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.6 61.8
 148 63.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.924 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion:146 Resp: 177529
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.1 60.3
 148 64.6 32.1 96.3





#89

n-Butylbenzene

Concen: 49.256 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

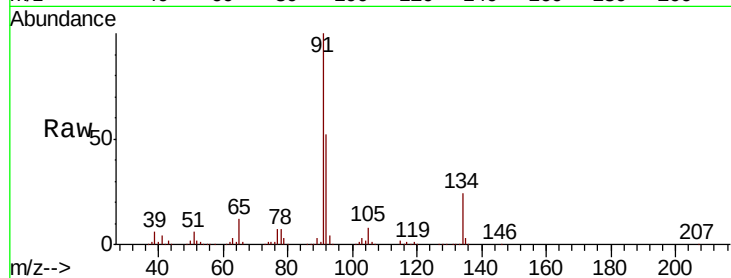
Tot Ion: 91 Resp: 339954

Ion Ratio Lower Upper

91 100

92 51.9 26.1 78.2

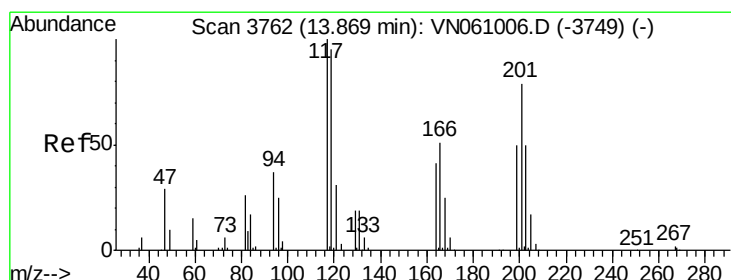
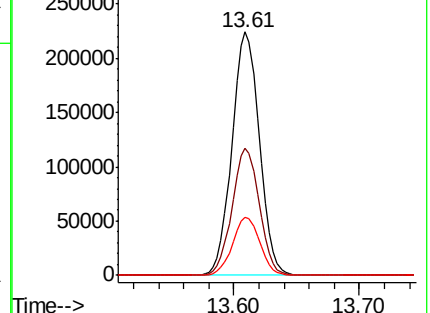
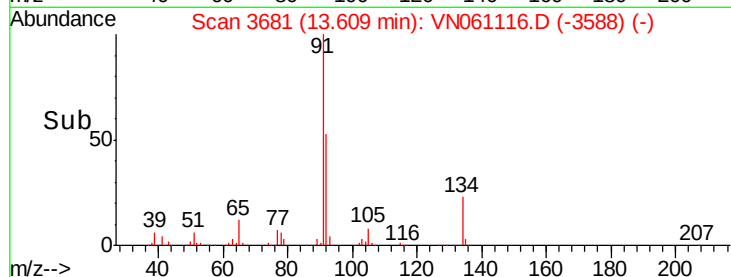
134 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN061116.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN061116.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN061116.D (-3667) (-)



#90

Hexachloroethane

Concen: 49.956 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN061116.D

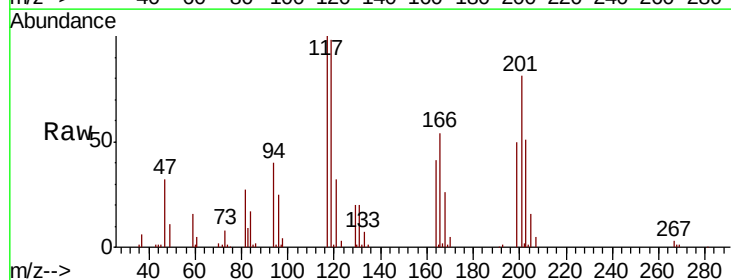
Acq: 20 Apr 2020 20:46

Tgt Ion: 117 Resp: 56885

Ion Ratio Lower Upper

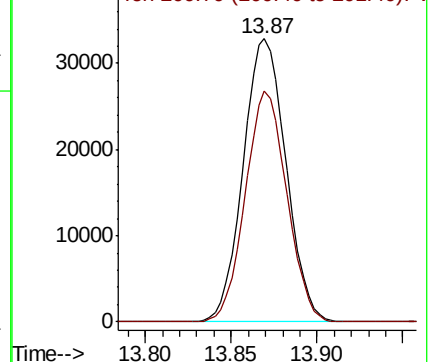
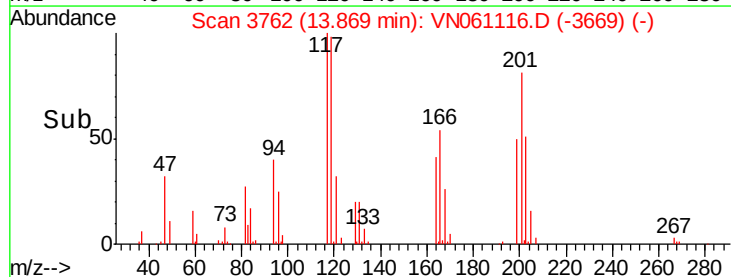
117 100

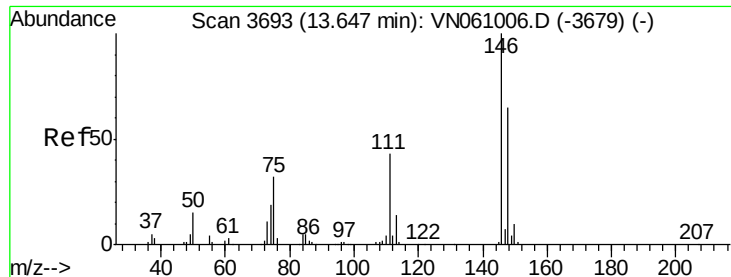
201 78.9 39.3 117.9



Abundance Ion 116.80 (116.50 to 117.50): VN061116.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN061116.D (-3669) (-)

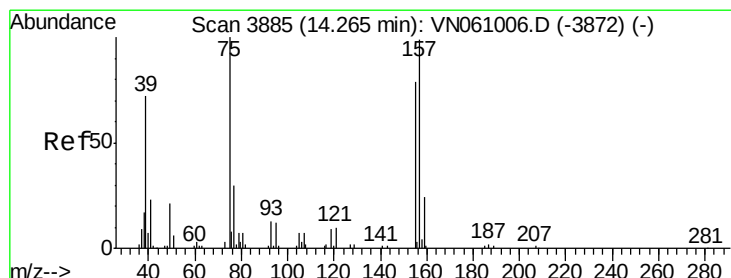
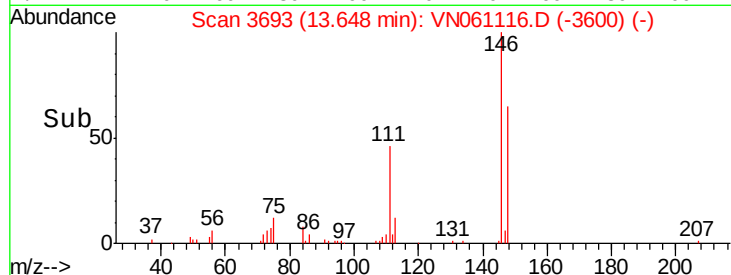
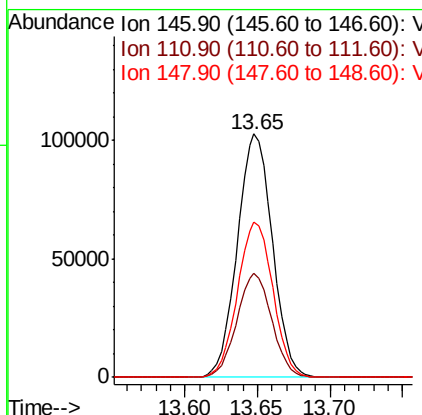
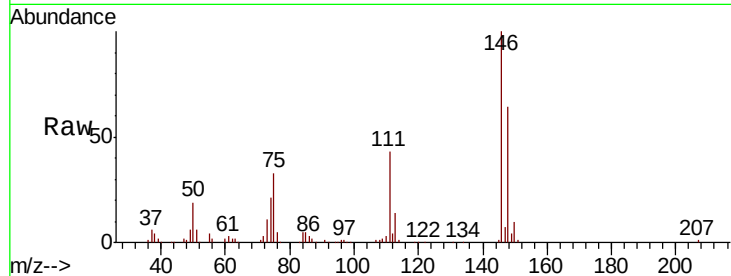




#91
 1,2-Dichlorobenzene
 Concen: 49.066 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

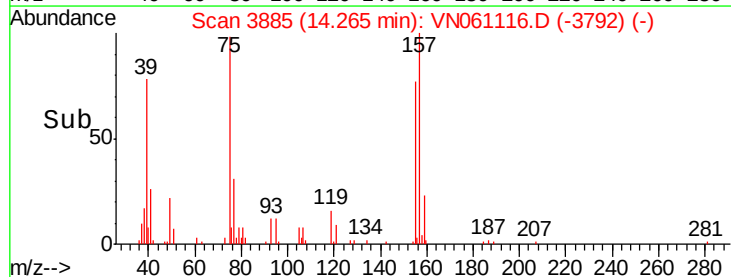
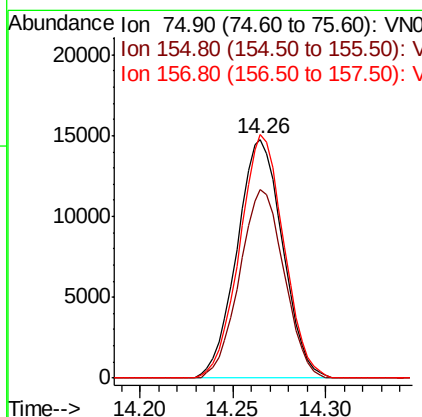
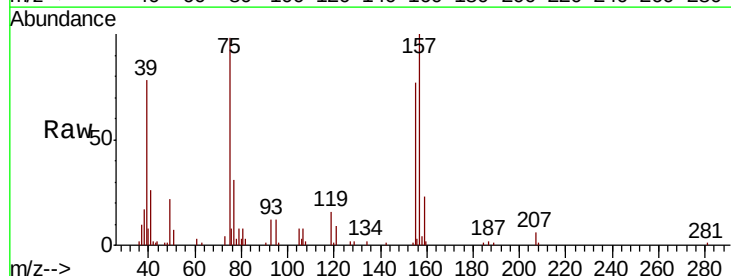
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

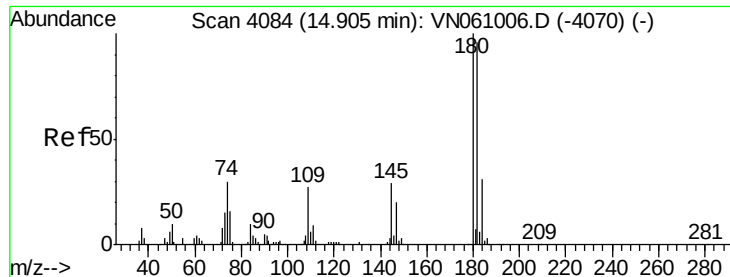
Tot Ion:146 Resp: 172433
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.3 64.0
 148 64.3 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.206 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 75 Resp: 25202
 Ion Ratio Lower Upper
 75 100
 155 77.0 39.5 118.5
 157 99.0 50.1 150.4

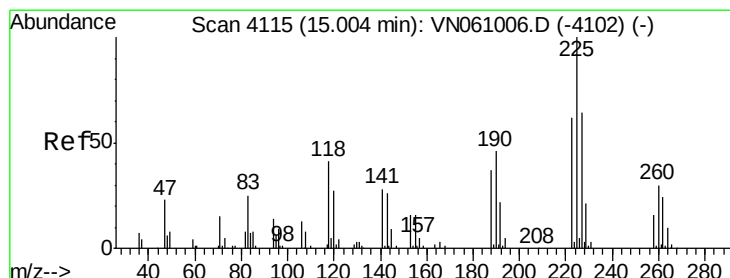
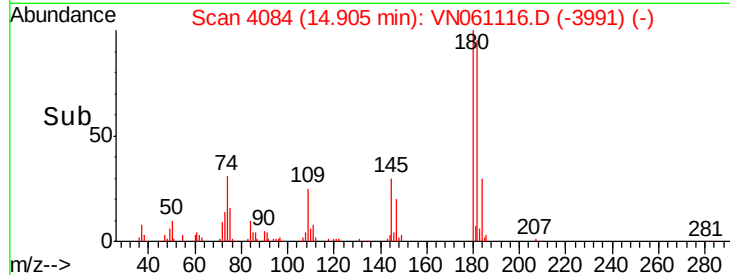
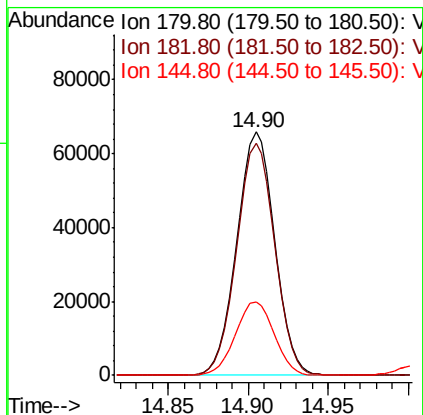
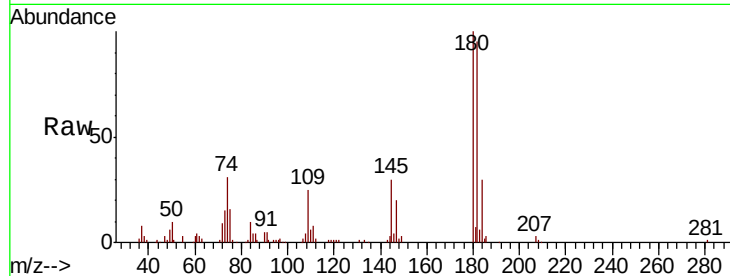




#93
 1,2,4-Trichlorobenzene
 Concen: 50.877 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

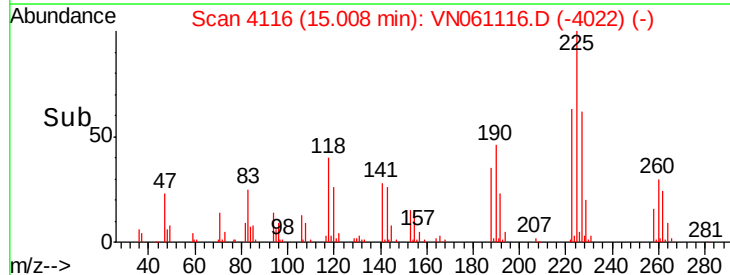
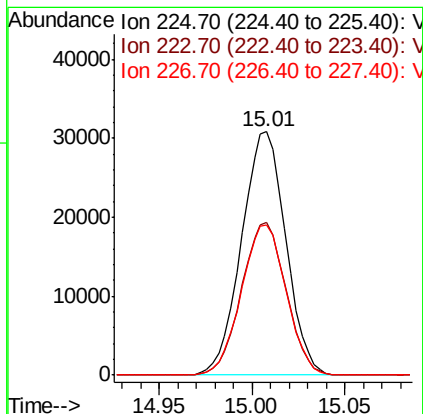
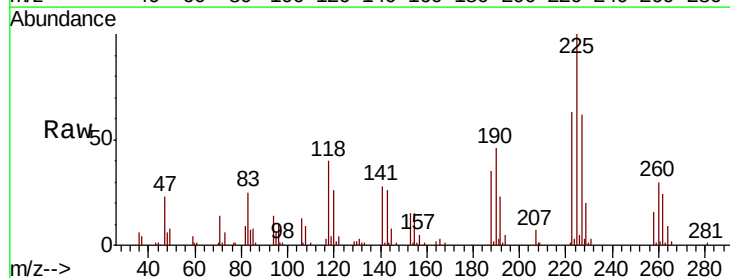
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

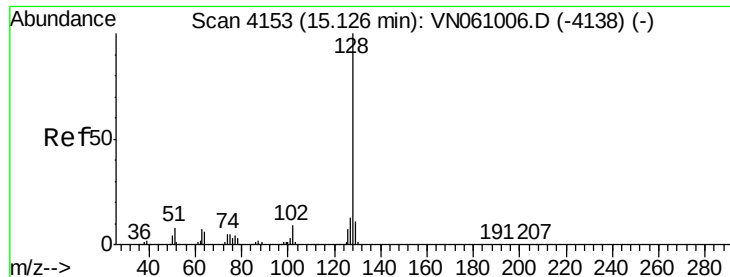
Tot Ion:180 Resp: 105828
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.3
 145 31.1 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 47.575 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion:225 Resp: 50908
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.3 93.8
 227 62.6 31.9 95.5

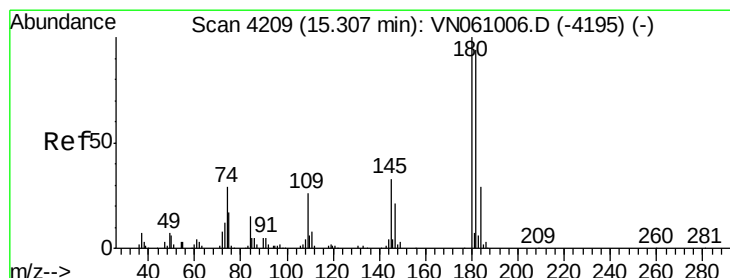
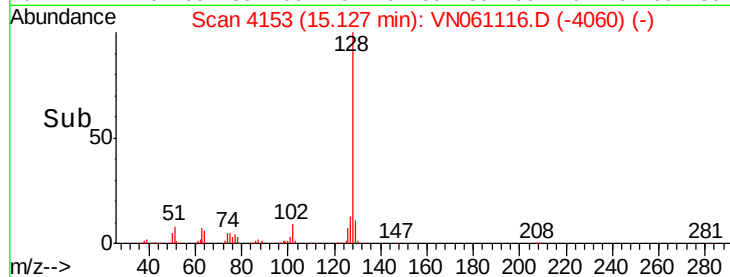
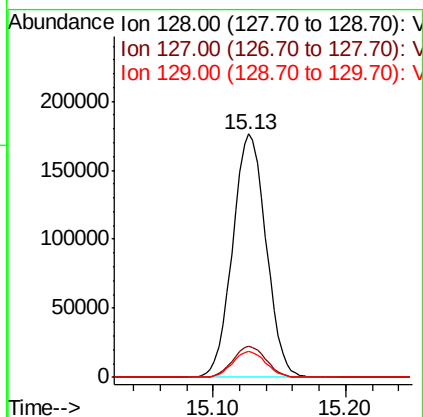
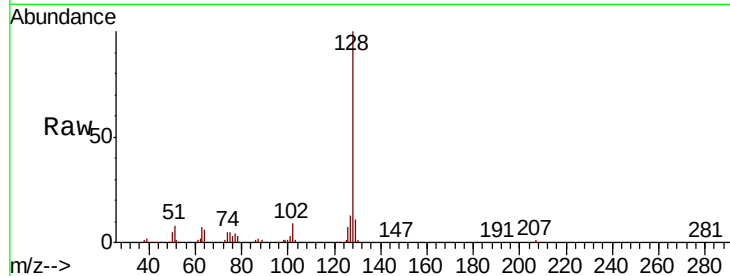




#95
Naphthalene
Concen: 50.833 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 308370
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.700 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion:180 Resp: 101632
Ion Ratio Lower Upper
180 100
182 95.9 47.6 142.8
145 32.5 16.4 49.2

