

Data File : VN059961.D
Acq On : 31 Jan 2020 20:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 03 01:24:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	286169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136456	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	106347	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.57	113	90789	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.08	98	337113	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	126615	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	95429	45.274	ug/l	100
3) Chloromethane	2.04	50	94382	46.162	ug/l	99
4) Vinyl Chloride	2.17	62	123711	52.883	ug/l	99
5) Bromomethane	2.53	94	68306	47.845	ug/l	99
6) Chloroethane	2.68	64	57948	52.358	ug/l	96
7) Trichlorofluoromethane	3.00	101	144072	51.282	ug/l	98
8) Diethyl Ether	3.38	74	51985	52.726	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84186	53.840	ug/l	94
10) Methyl Iodide	3.93	142	114571	45.331	ug/l	96
11) Tert butyl alcohol	4.73	59	81777	244.938	ug/l	98
12) 1,1-Dichloroethene	3.72	96	80421	49.221	ug/l	90
13) Acrolein	3.58	56	63398	268.251	ug/l	97
14) Allyl chloride	4.30	41	109863	49.886	ug/l #	83
15) Acrylonitrile	4.95	53	210947	276.986	ug/l	100
16) Acetone	3.78	43	220096	328.524	ug/l	96
17) Carbon Disulfide	4.03	76	196418	42.201	ug/l	100
18) Methyl Acetate	4.29	43	127197	54.908	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	285570	53.607	ug/l	95
20) Methylene Chloride	4.52	84	92338	51.501	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	86561	49.840	ug/l	89
22) Diisopropyl ether	5.91	45	268125	53.724	ug/l	95
23) Vinyl Acetate	5.86	43	1006817	260.560	ug/l	95
24) 1,1-Dichloroethane	5.82	63	159605	52.339	ug/l	98
25) 2-Butanone	6.80	43	296549	264.046	ug/l	91
26) 2,2-Dichloropropane	6.80	77	144922	49.433	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	105691	52.909	ug/l	89
28) Bromochloromethane	7.17	49	62046	50.906	ug/l #	77
29) Tetrahydrofuran	7.18	42	180410	259.626	ug/l	88
30) Chloroform	7.35	83	170234	53.878	ug/l	99
31) Cyclohexane	7.63	56	135140	46.055	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	155487	53.223	ug/l	97
36) 1,1-Dichloropropene	7.77	75	122501	49.156	ug/l	96
37) Ethyl Acetate	6.90	43	116290	49.753	ug/l	96
38) Carbon Tetrachloride	7.75	117	138297	51.016	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	142039	46.225	ug/l	93
40) Benzene	8.02	78	367752	49.481	ug/l	100
41) Methacrylonitrile	7.18	41	168258	146.150	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	134466	53.361	ug/l	97
43) Isopropyl Acetate	8.14	43	200859	49.961	ug/l #	95
44) Trichloroethene	8.82	130	103545	51.034	ug/l	92
45) 1,2-Dichloropropane	9.10	63	96332	52.380	ug/l	100
46) Dibromomethane	9.19	93	67694	52.180	ug/l	92
47) Bromodichloromethane	9.39	83	141644	54.180	ug/l	100
48) Methyl methacrylate	9.18	41	88179	49.035	ug/l	90
49) 1,4-Dioxane	9.18	88	34101	1035.875	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	602446	259.225	ug/l	95
52) Toluene	10.14	92	241526	51.448	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	156172	53.500	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	161728	52.655	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	99256	53.383	ug/l	97
56) Ethyl methacrylate	10.42	69	145454	51.197	ug/l	93
57) 1,3-Dichloropropane	10.70	76	161878	54.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	246174	287.678	ug/l	92
59) 2-Hexanone	10.74	43	453522	264.890	ug/l	94
60) Dibromochloromethane	10.89	129	115080	54.352	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103446	53.083	ug/l	100
64) Tetrachloroethene	10.62	164	109542	49.894	ug/l	97
65) Chlorobenzene	11.43	112	267248	50.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105253	51.445	ug/l	99
67) Ethyl Benzene	11.50	91	476689	49.594	ug/l	98
68) m/p-Xylenes	11.62	106	358874	98.842	ug/l	95
69) o-Xylene	11.94	106	175158	49.277	ug/l	96
70) Styrene	11.96	104	295879	49.744	ug/l	97
71) Bromoform	12.12	173	86632	52.863	ug/l #	98
73) Isopropylbenzene	12.24	105	478145	47.778	ug/l	99
74) N-amyl acetate	12.06	43	182183	46.915	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	143933	49.611	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190709	83.046	ug/l #	100
77) Bromobenzene	12.52	156	122081	48.171	ug/l	84
78) n-propylbenzene	12.59	91	541656	48.222	ug/l	98
79) 2-Chlorotoluene	12.67	91	321397	48.097	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	399526	47.470	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	52494	49.090	ug/l	95
82) 4-Chlorotoluene	12.77	91	327179	48.815	ug/l	96
83) tert-Butylbenzene	12.99	119	344658	47.349	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	403444	48.453	ug/l	100
85) sec-Butylbenzene	13.17	105	460895	48.192	ug/l	100
86) p-Isopropyltoluene	13.28	119	421344	47.614	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	219147	49.781	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	218170	49.678	ug/l	97
89) n-Butylbenzene	13.61	91	368280	48.810	ug/l	99
90) Hexachloroethane	13.87	117	79854	48.230	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	216561	49.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30618	49.133	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013120\
Quantitation Report (Not Reviewed)

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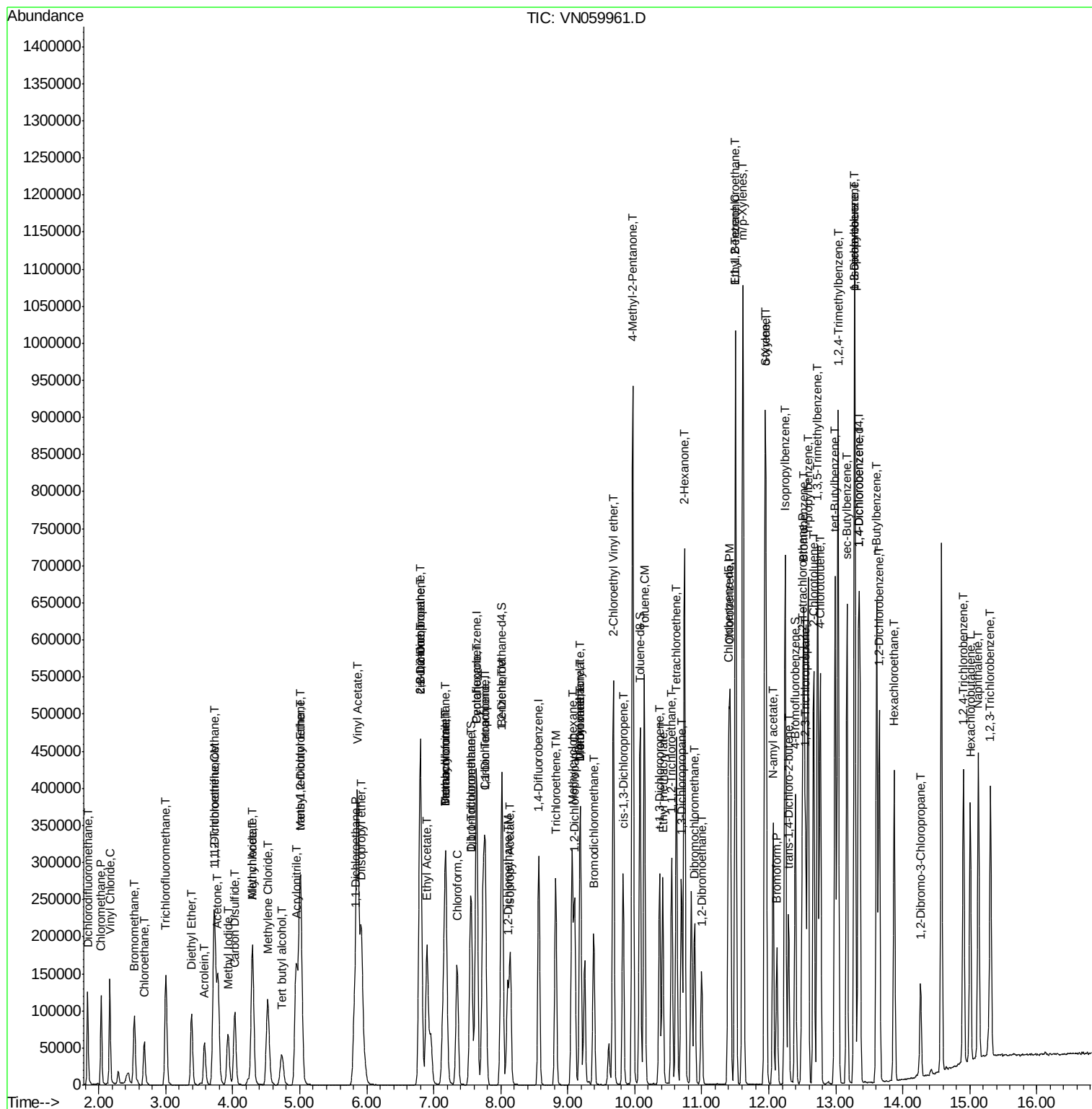
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	131218	50.177	ug/l	99
94) Hexachlorobutadiene	15.01	225	67679	46.964	ug/l	99
95) Naphthalene	15.13	128	359858	48.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	127106	49.935	ug/l	100

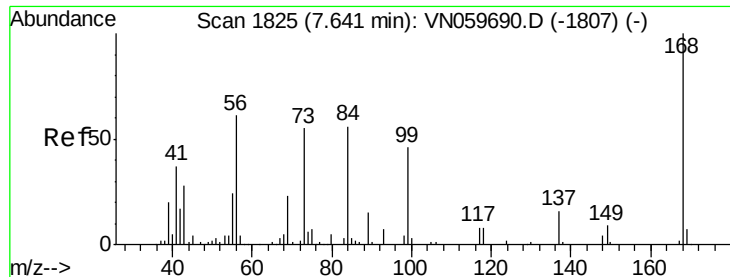
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

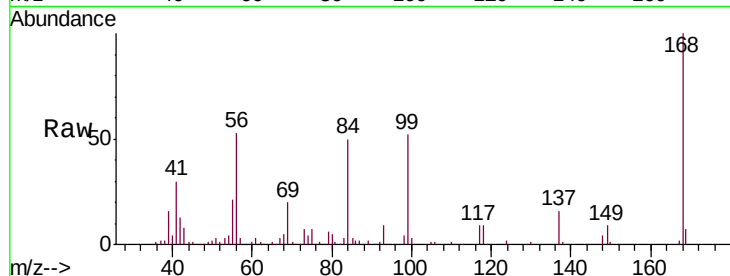
VSTDCCC050EC

Tgt Ion:168 Resp: 178586

Ion Ratio Lower Upper

168 100

99 52.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

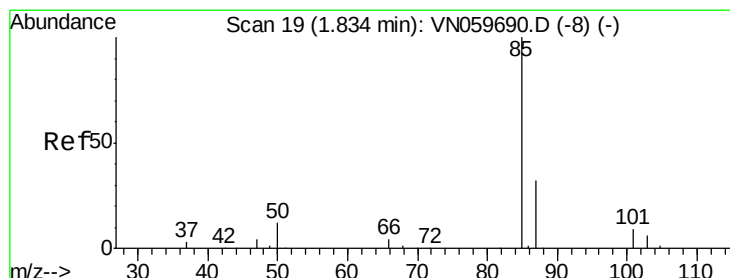
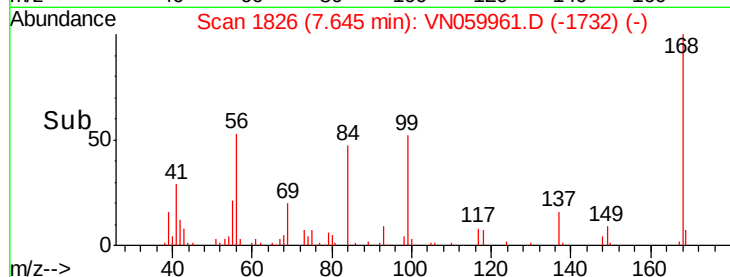
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.274 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059961.D

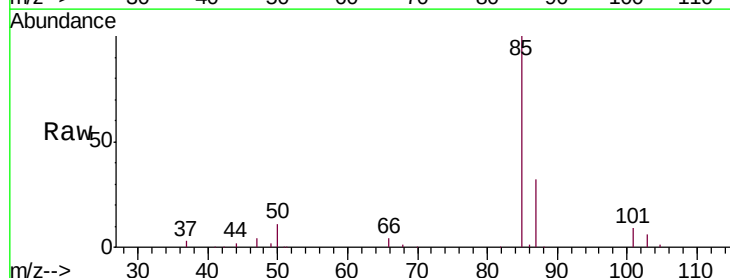
Acq: 31 Jan 2020 20:14

Tgt Ion: 85 Resp: 95429

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

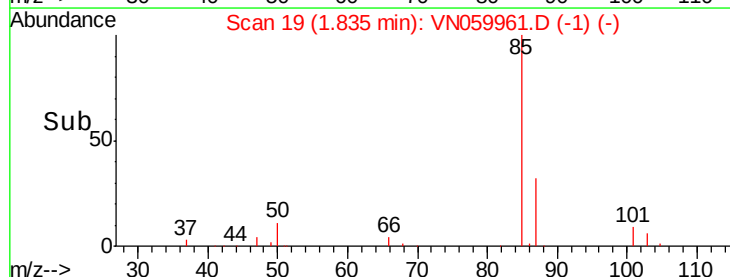
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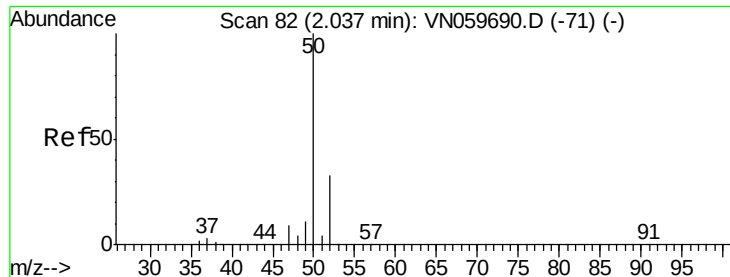
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.162 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

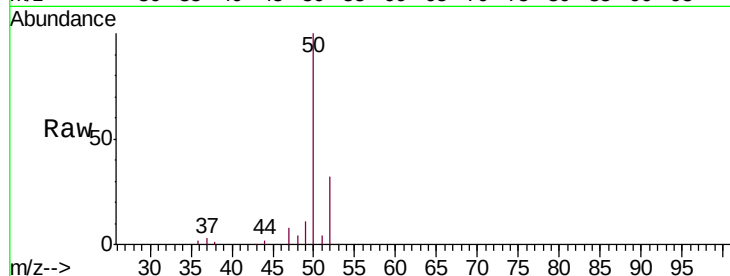
VSTDCCC050EC

Tgt Ion: 50 Resp: 94382

Ion Ratio Lower Upper

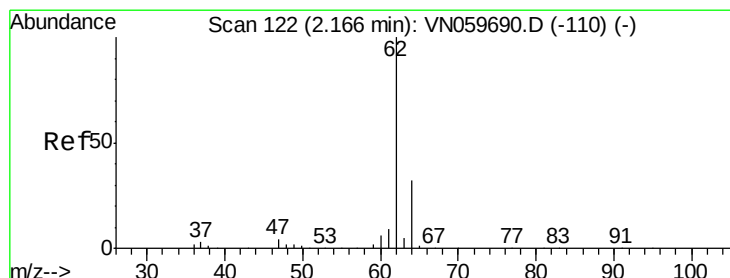
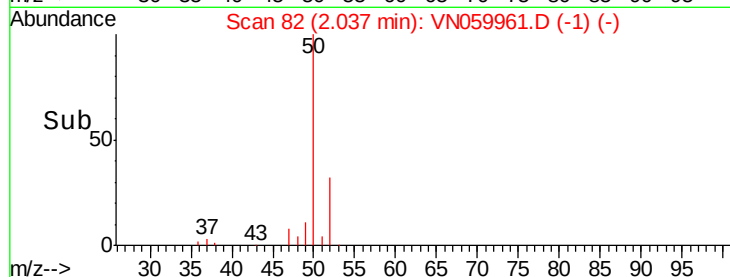
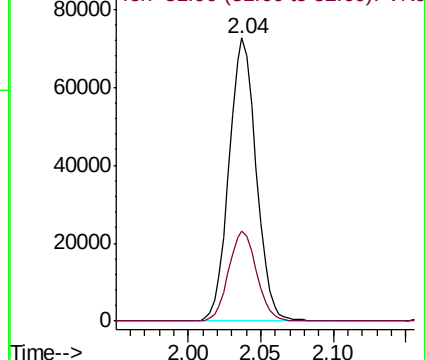
50 100

52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN059961.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059961.D (-1) (-)



#4

Vinyl Chloride

Concen: 52.883 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059961.D

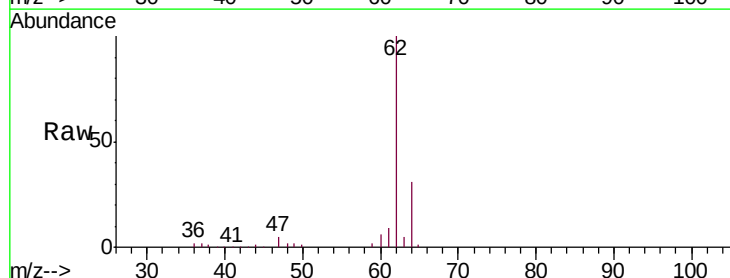
Acq: 31 Jan 2020 20:14

Tgt Ion: 62 Resp: 123711

Ion Ratio Lower Upper

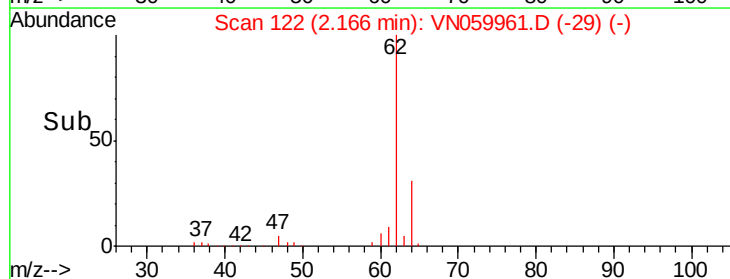
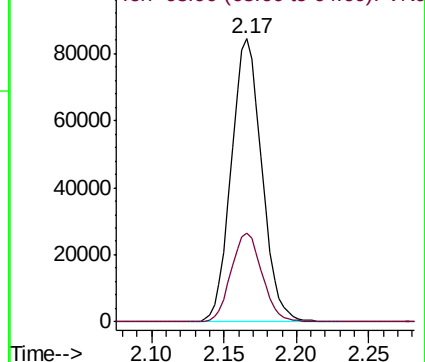
62 100

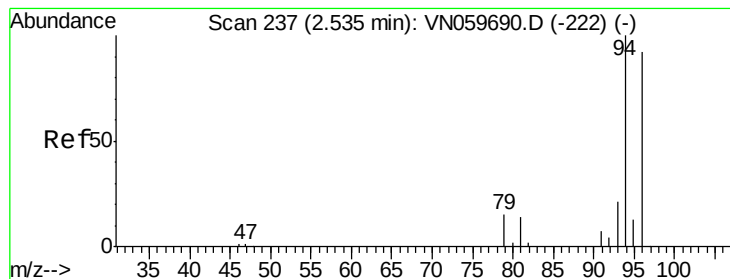
64 31.5 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059961.D (-29) (-)

Ion 63.90 (63.60 to 64.60): VN059961.D (-29) (-)





#5

Bromomethane

Concen: 47.845 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

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ClientSampleId :

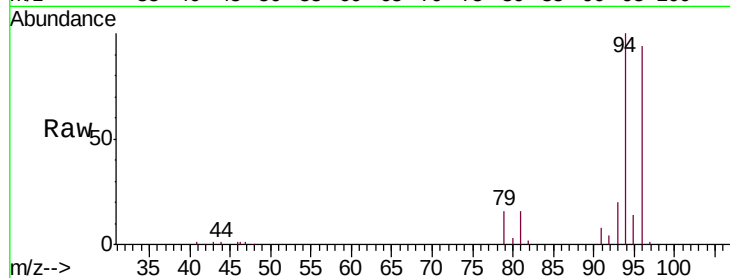
VSTDCCC050EC

Tgt Ion: 94 Resp: 68306

Ion Ratio Lower Upper

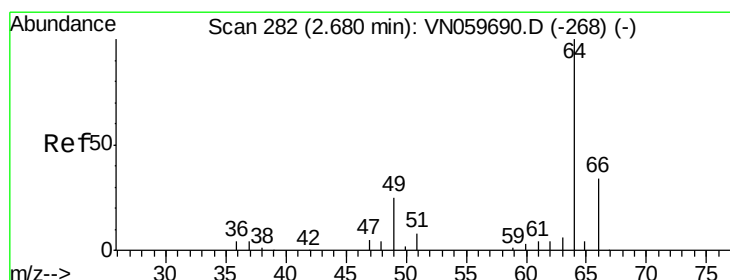
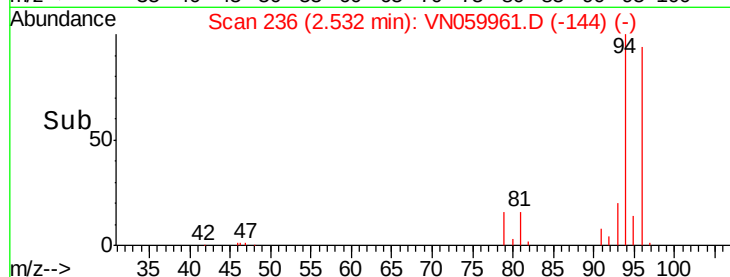
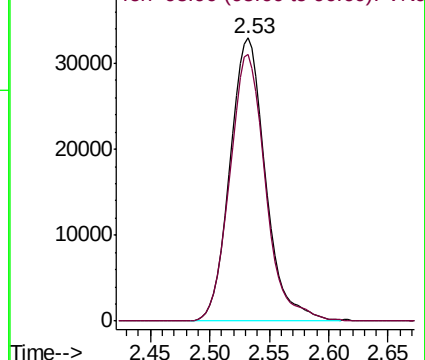
94 100

96 94.0 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.358 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059961.D

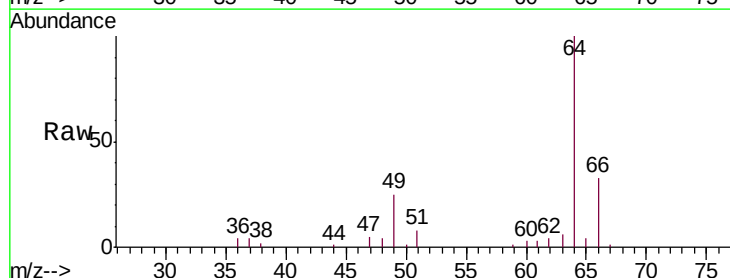
Acq: 31 Jan 2020 20:14

Tgt Ion: 64 Resp: 57948

Ion Ratio Lower Upper

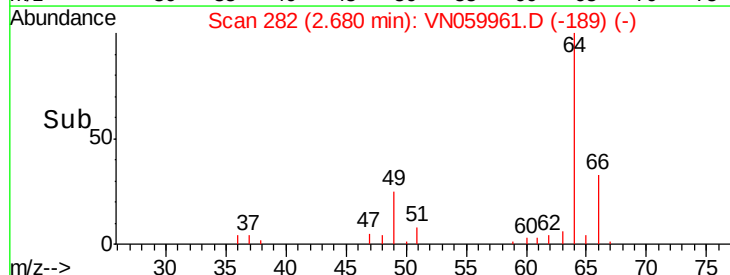
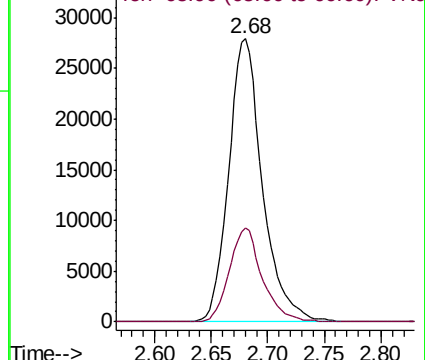
64 100

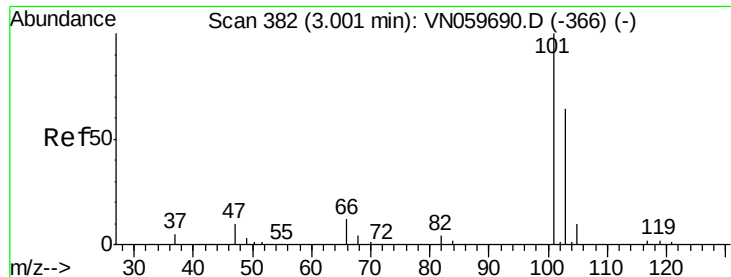
66 33.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



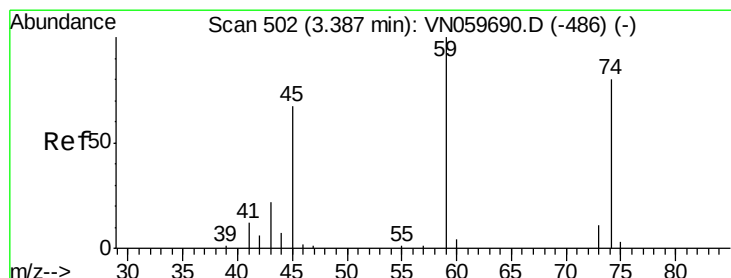
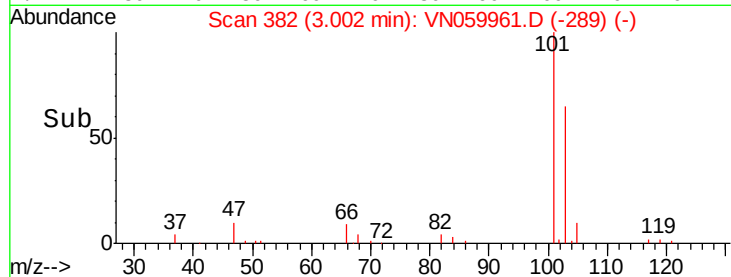
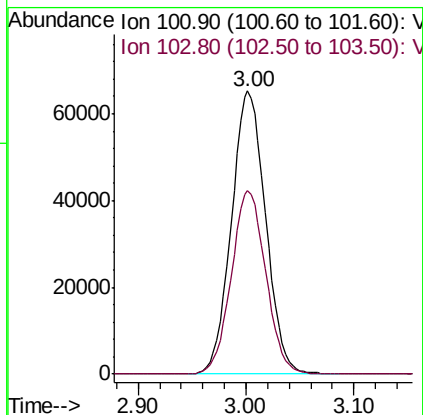
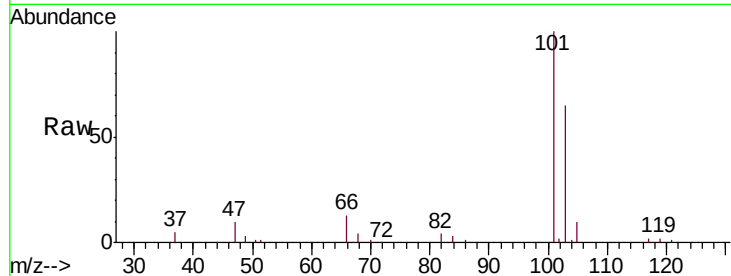


#7

Trichlorofluoromethane
Concen: 51.282 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059961.D
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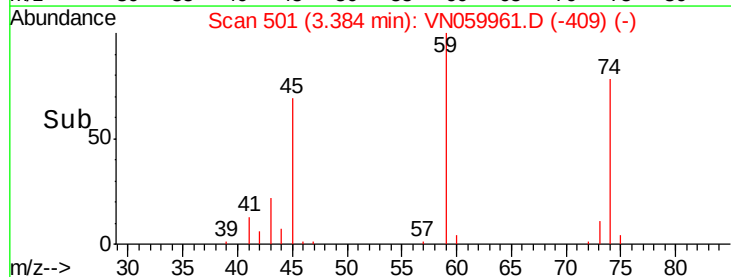
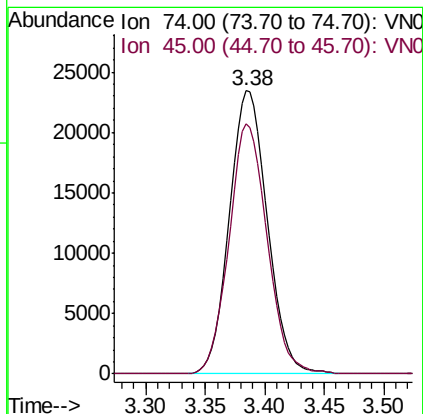
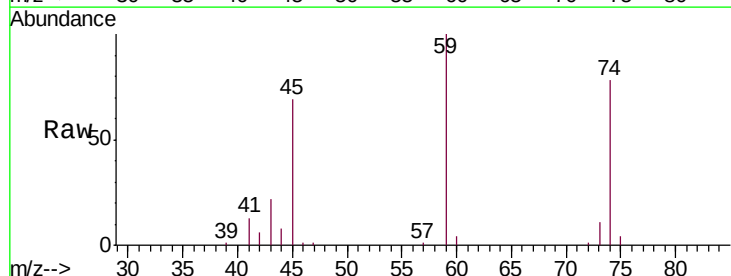
Tgt Ion: 101 Resp: 144072
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

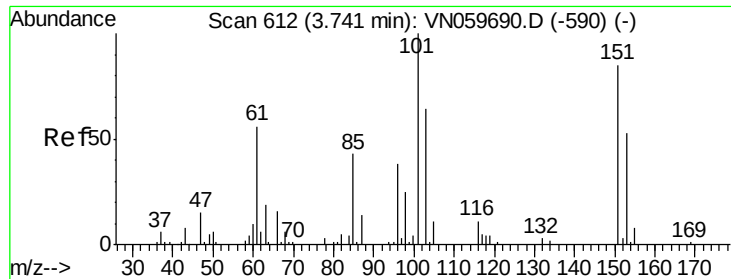


#8

Diethyl Ether
Concen: 52.726 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059961.D
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Tgt Ion: 74 Resp: 51985
Ion Ratio Lower Upper
74 100
45 88.5 51.9 155.8

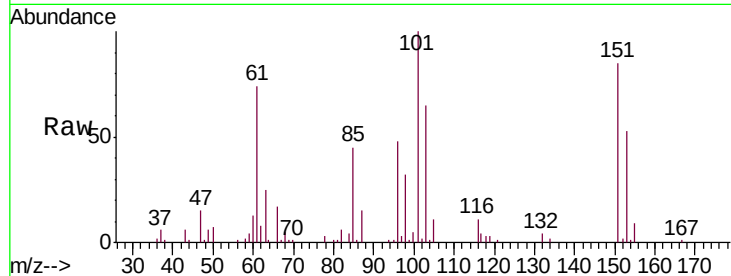




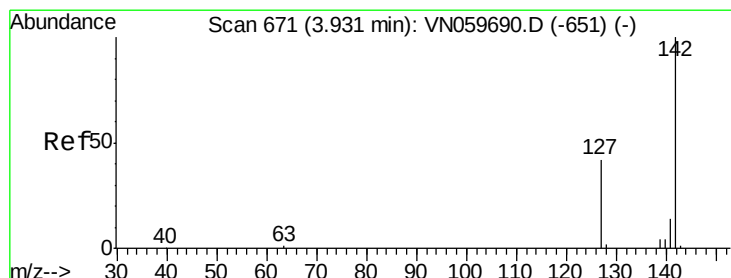
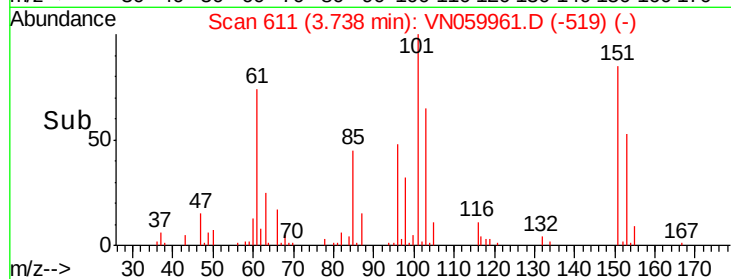
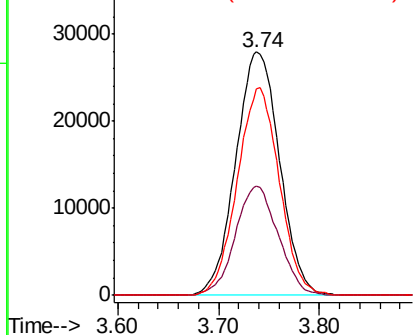
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.840 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:101 Resp: 84186
 Ion Ratio Lower Upper
 101 100
 85 43.9 36.6 54.8
 151 81.7 59.7 89.5

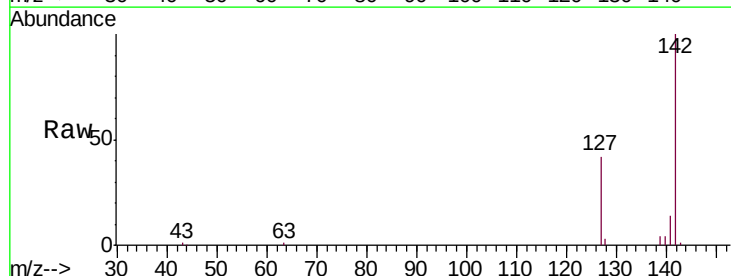


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

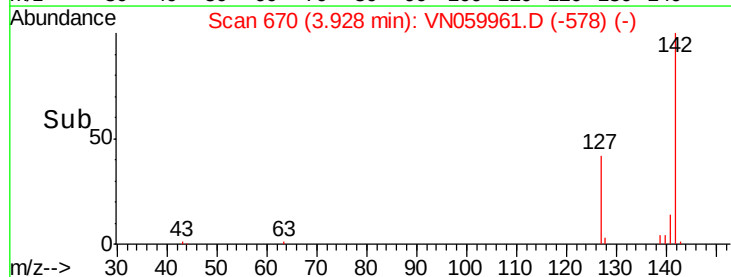
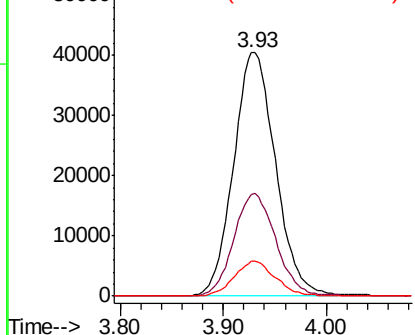


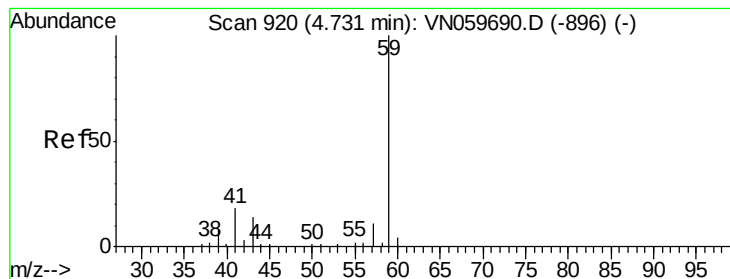
#10
 Methyl Iodide
 Concen: 45.331 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion:142 Resp: 114571
 Ion Ratio Lower Upper
 142 100
 127 42.3 36.7 55.1
 141 14.1 11.7 17.5



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



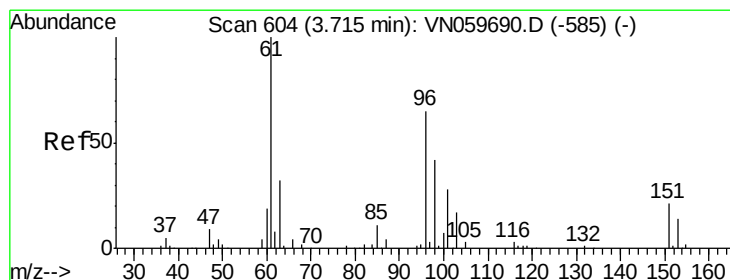
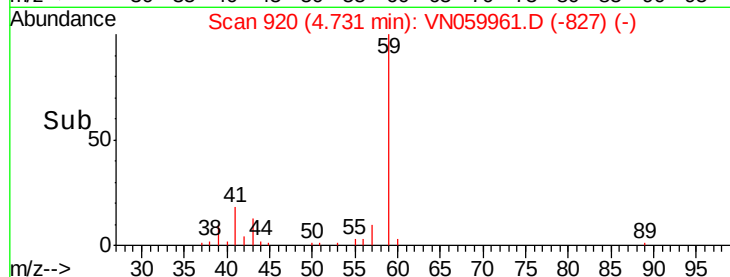
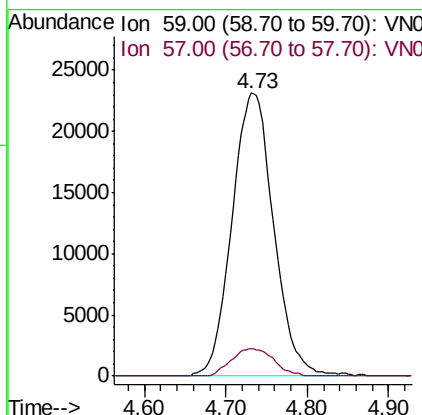
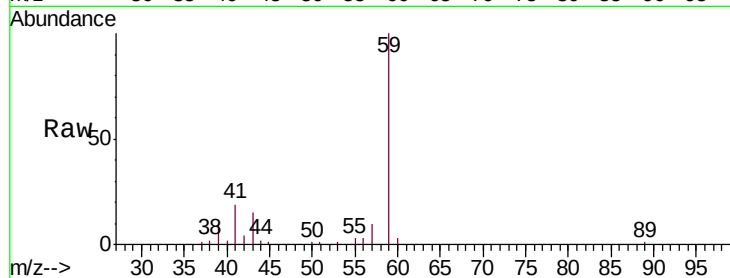


#11

Tert butyl alcohol
 Concen: 244.938 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

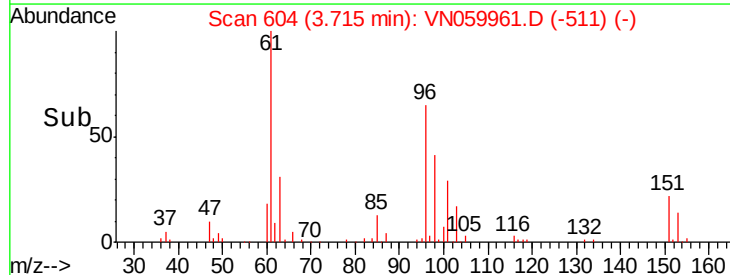
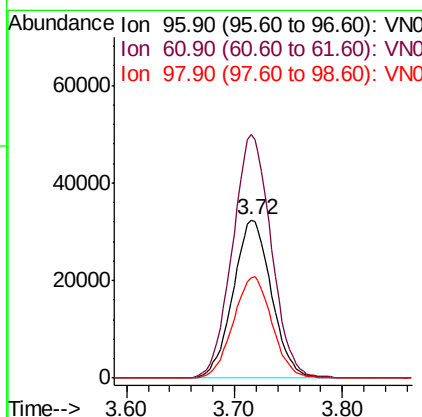
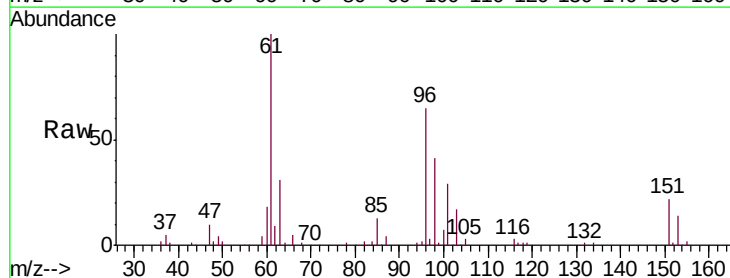
Tgt Ion: 59 Resp: 81777
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.6 12.8

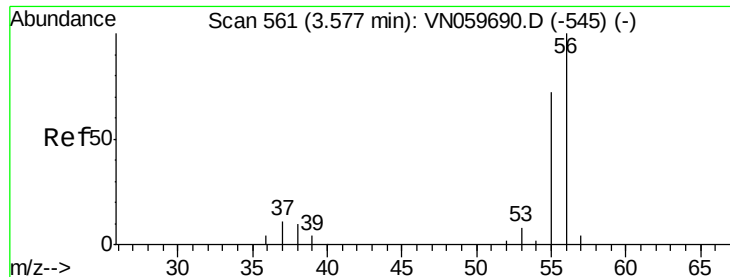


#12

1,1-Dichloroethene
 Concen: 49.221 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 96 Resp: 80421
 Ion Ratio Lower Upper
 96 100
 61 153.8 137.5 206.3
 98 63.2 50.2 75.4





#13

Acrolein

Concen: 268.251 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

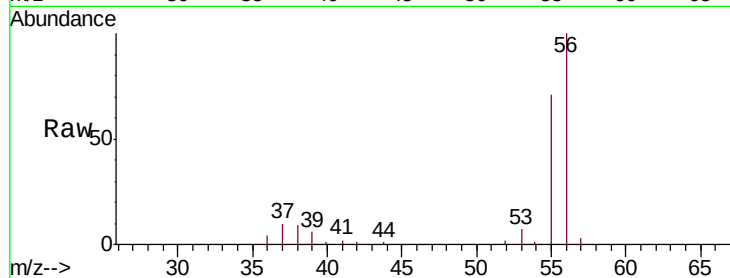
VSTDCCC050EC

Tgt Ion: 56 Resp: 63398

Ion Ratio Lower Upper

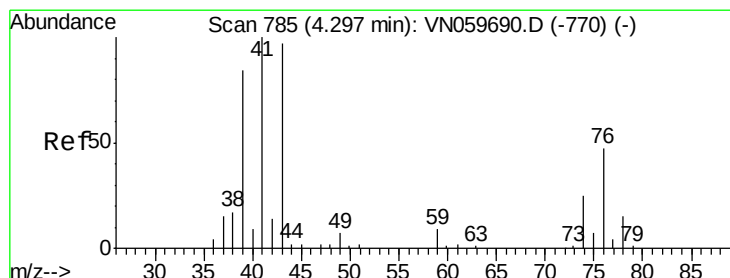
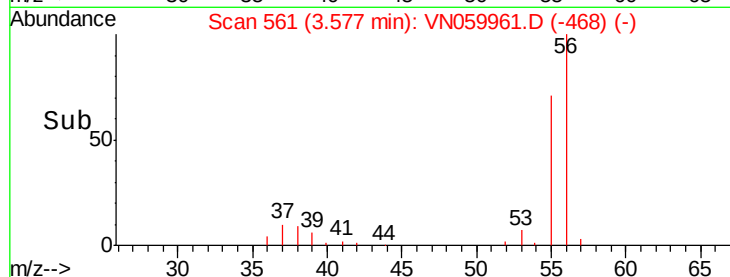
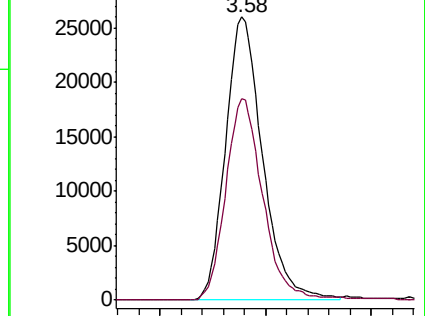
56 100

55 71.0 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059961.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059961.D (-545) (-)



#14

Allyl chloride

Concen: 49.886 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

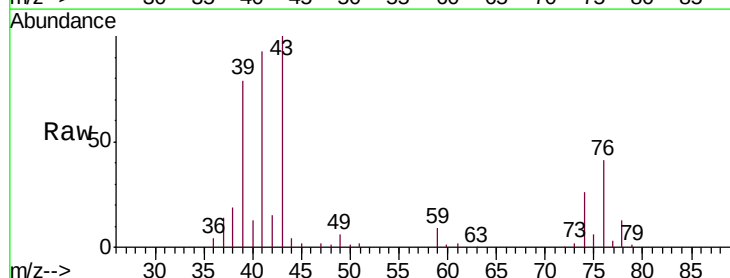
Tgt Ion: 41 Resp: 109863

Ion Ratio Lower Upper

41 100

39 84.8 57.8 86.8

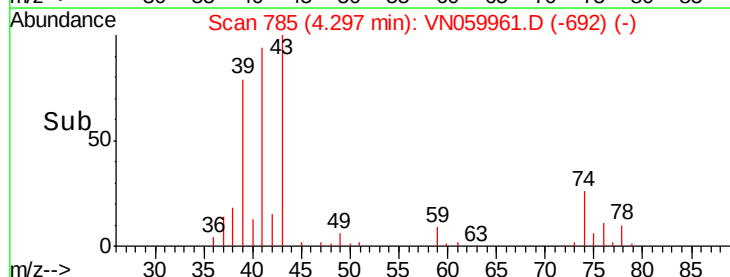
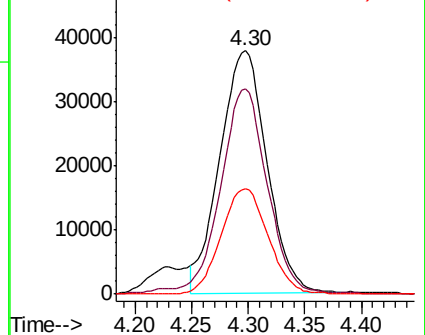
76 43.3 25.4 38.0#

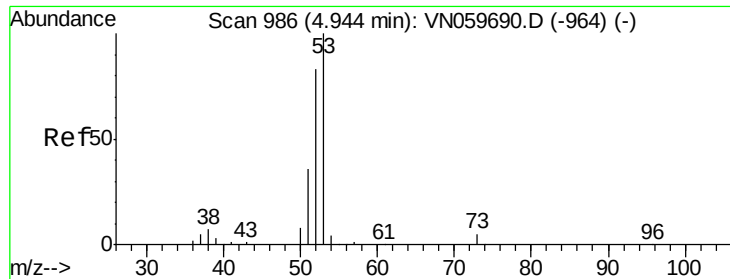


Abundance Ion 41.00 (40.70 to 41.70): VN059961.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059961.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059961.D (-692) (-)

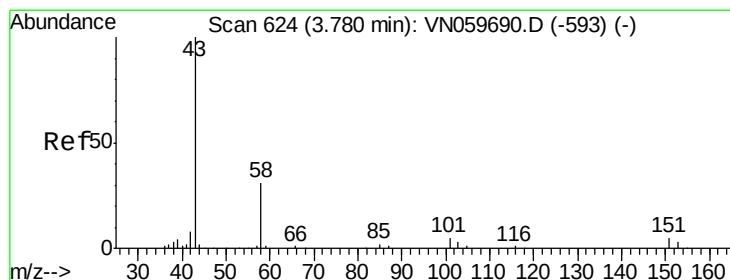
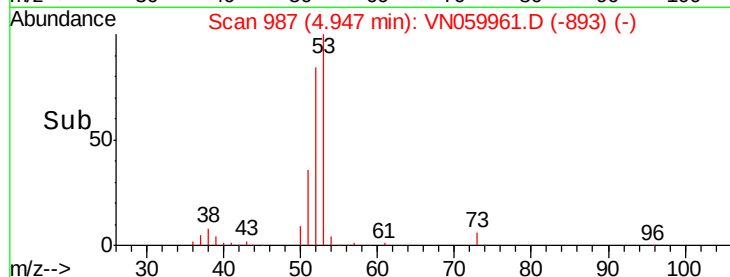
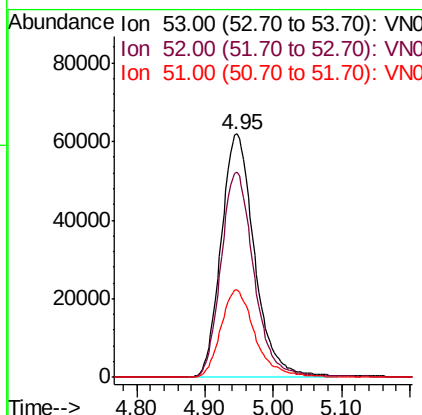
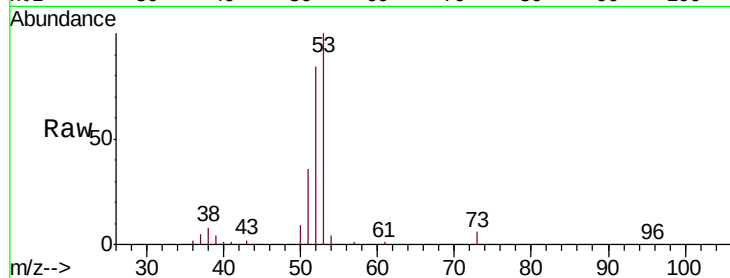




#15
 Acrylonitrile
 Concen: 276.986 ug/l
 RT: 4.95 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

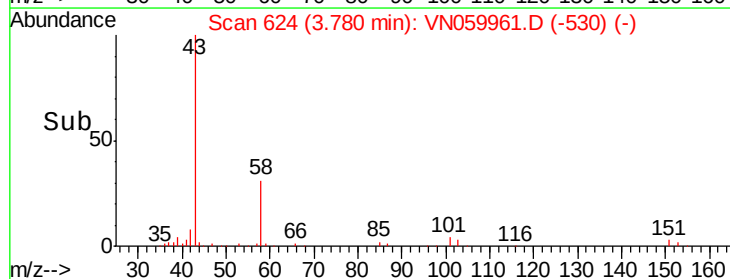
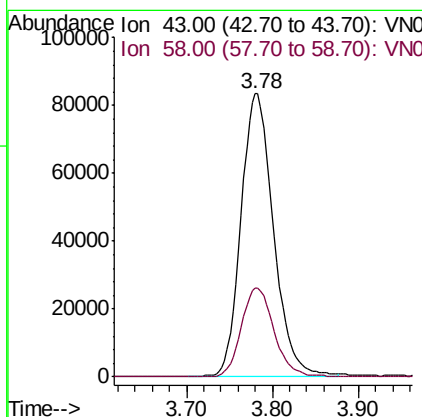
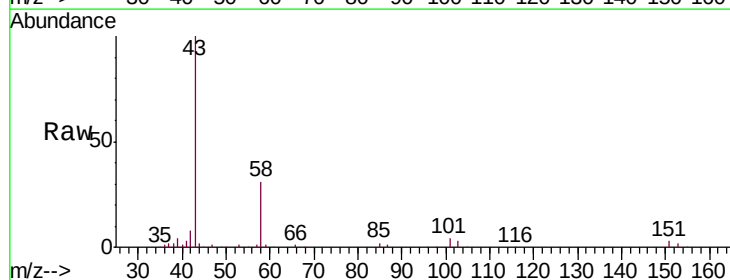
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

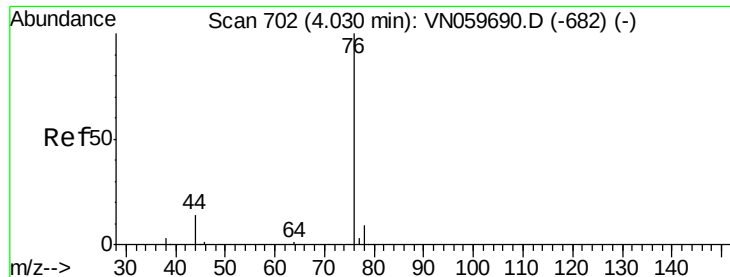
Tgt Ion: 53 Resp: 210947
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.3 99.5
 51 36.9 29.7 44.5



#16
 Acetone
 Concen: 328.524 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 43 Resp: 220096
 Ion Ratio Lower Upper
 43 100
 58 31.5 23.6 35.4





#17

Carbon Disulfide

Concen: 42.201 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

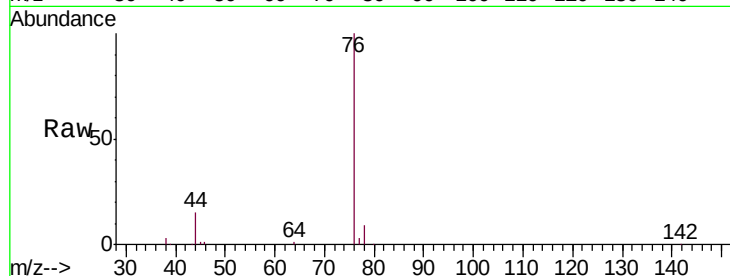
VSTDCCC050EC

Tgt Ion: 76 Resp: 196418

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059961.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN059961.D (-682) (-)

4.03

80000

60000

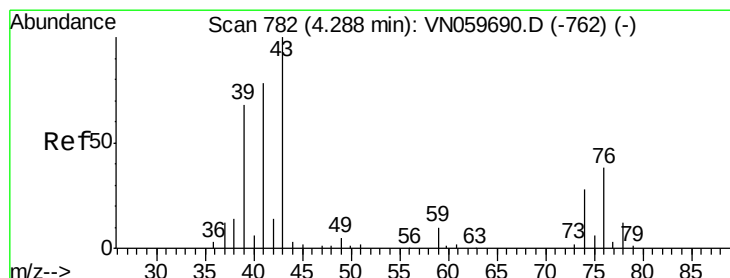
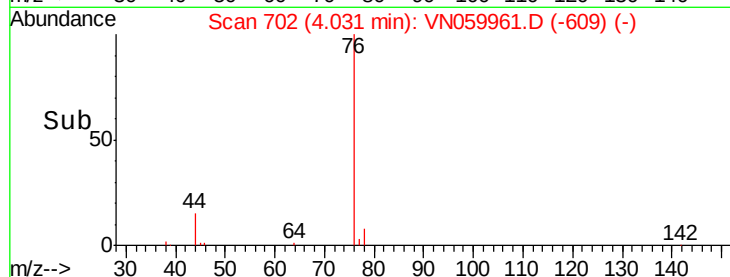
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 54.908 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059961.D

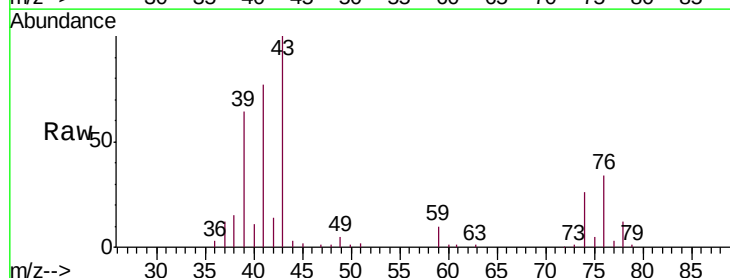
Acq: 31 Jan 2020 20:14

Tgt Ion: 43 Resp: 127197

Ion Ratio Lower Upper

43 100

74 25.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059961.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN059961.D (-689) (-)

4.29

50000

40000

30000

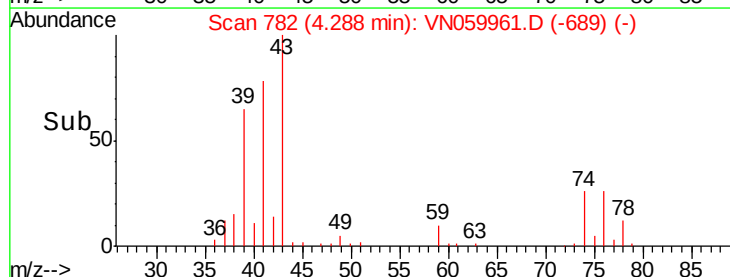
20000

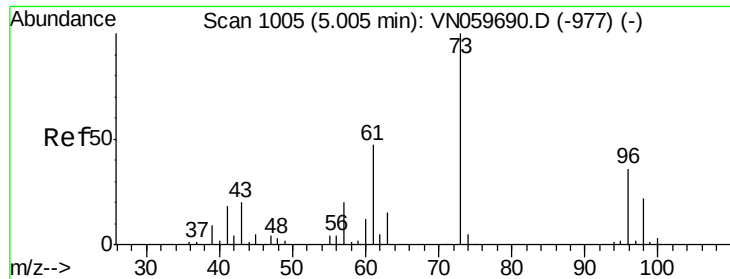
10000

0

Time-->

4.20 4.30 4.40

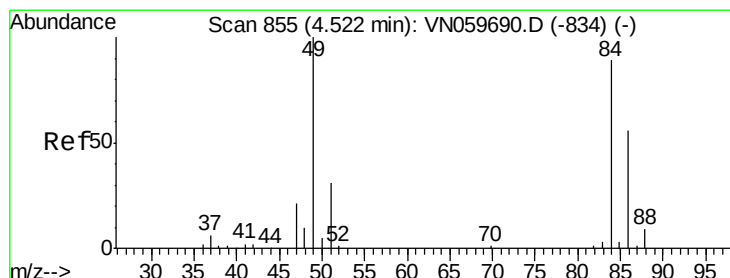
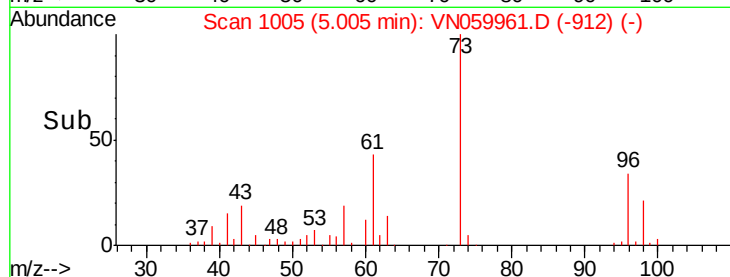
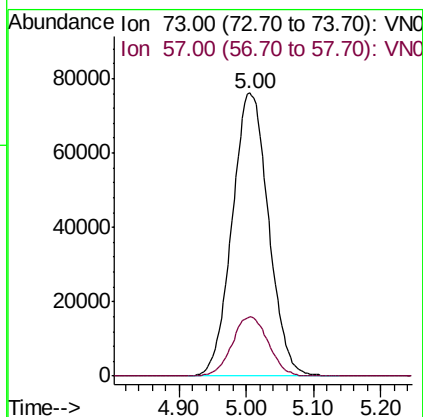
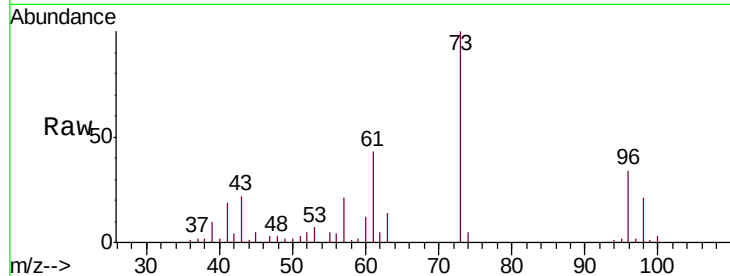




#19
Methyl tert-butyl Ether
Concen: 53.607 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

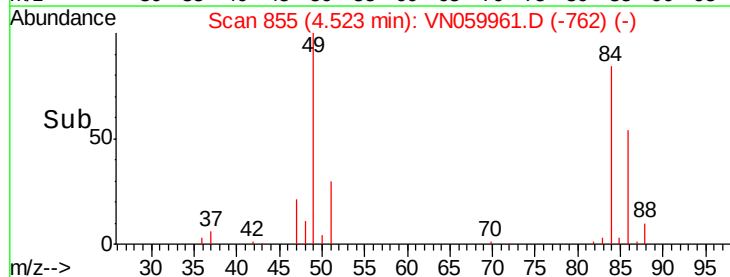
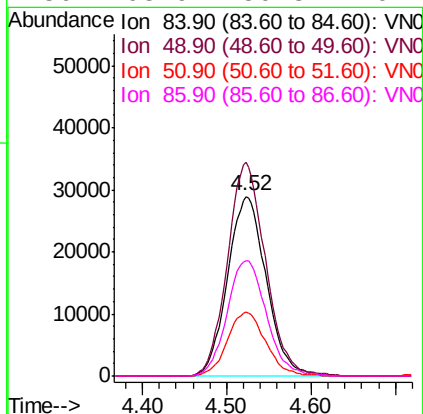
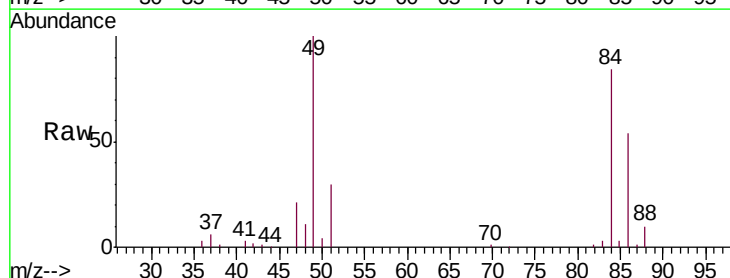
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

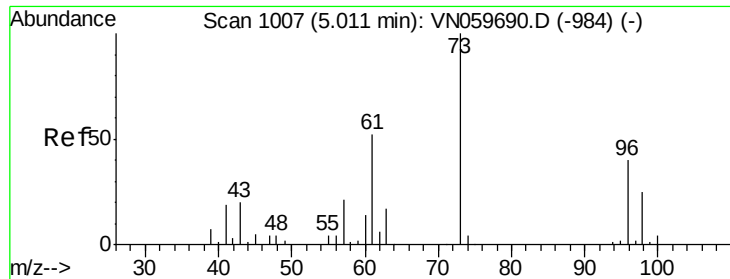
Tgt Ion: 73 Resp: 285570
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8



#20
Methylene Chloride
Concen: 51.501 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 84 Resp: 92338
Ion Ratio Lower Upper
84 100
49 118.9 106.6 160.0
51 35.3 31.9 47.9
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.840 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

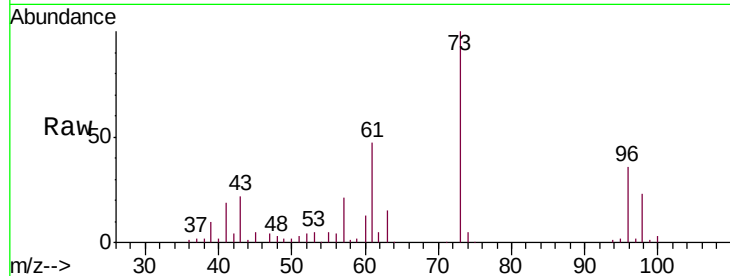
Tgt Ion: 96 Resp: 86561

Ion Ratio Lower Upper

96 100

61 130.0 120.4 180.6

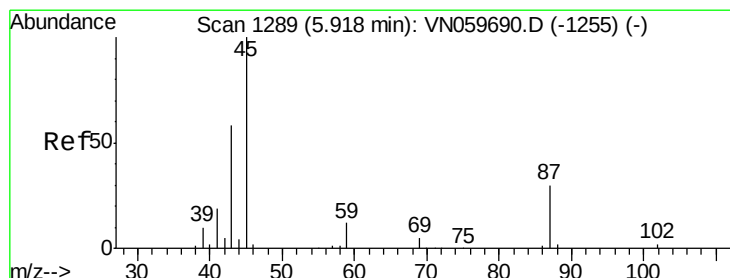
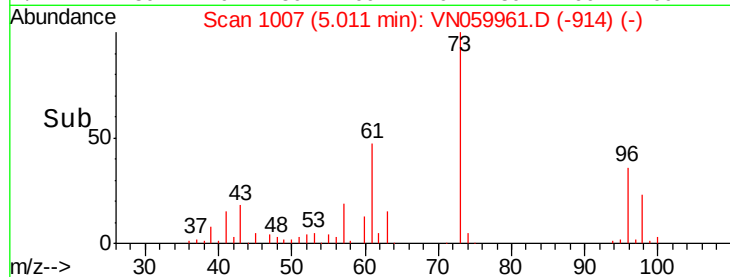
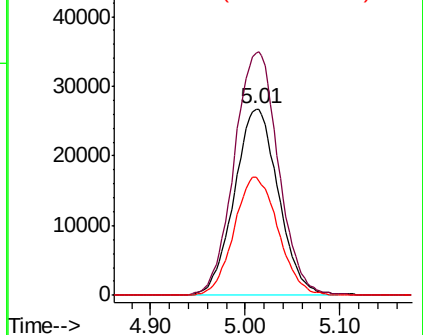
98 63.3 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN059961.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059961.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059961.D (-914) (-)



#22

Diisopropyl ether

Concen: 53.724 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion: 45 Resp: 268125

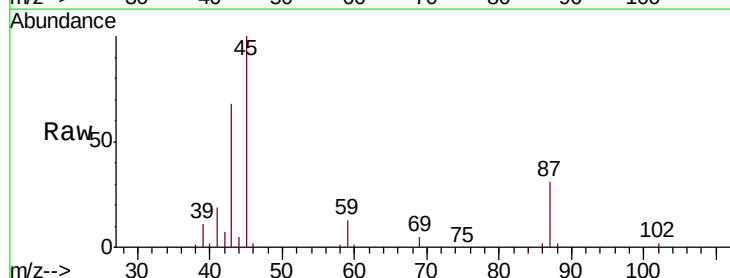
Ion Ratio Lower Upper

45 100

43 66.6 50.8 76.2

87 31.0 21.0 31.6

59 12.3 9.1 13.7

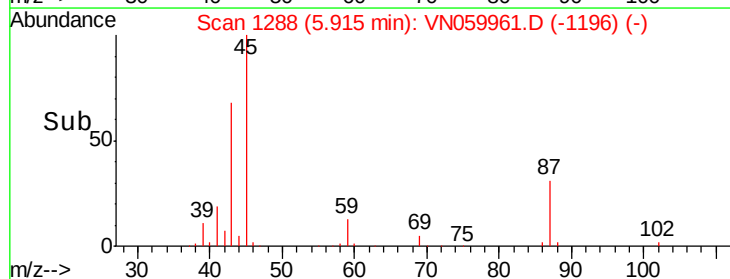
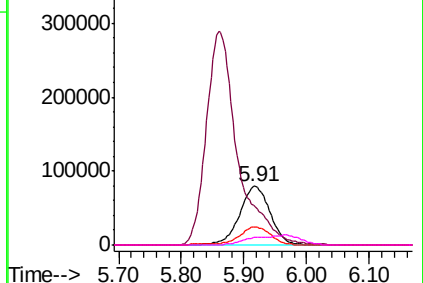


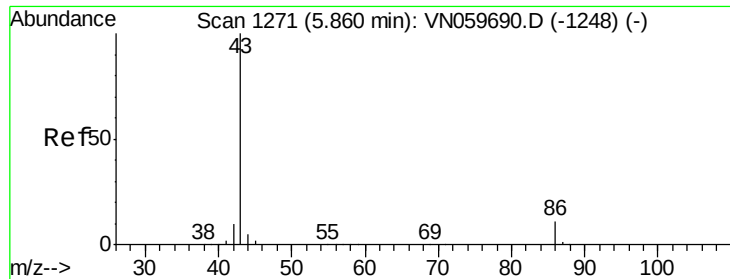
Abundance Ion 45.00 (44.70 to 45.70): VN059961.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN059961.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN059961.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN059961.D (-1196) (-)

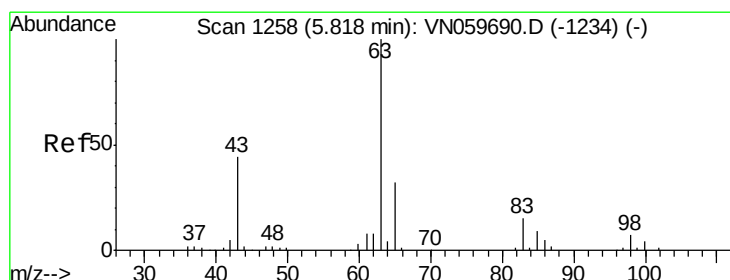
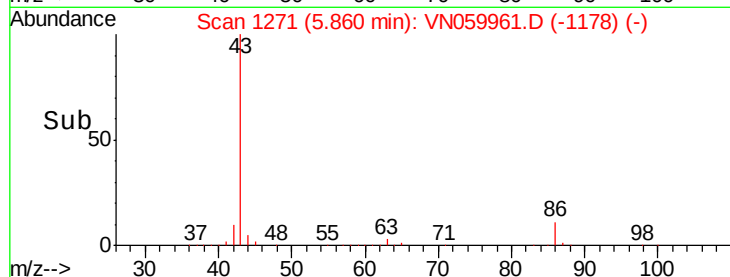
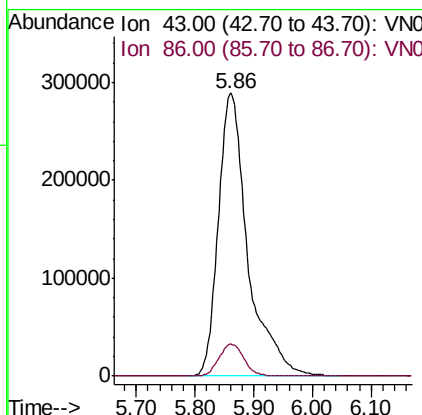
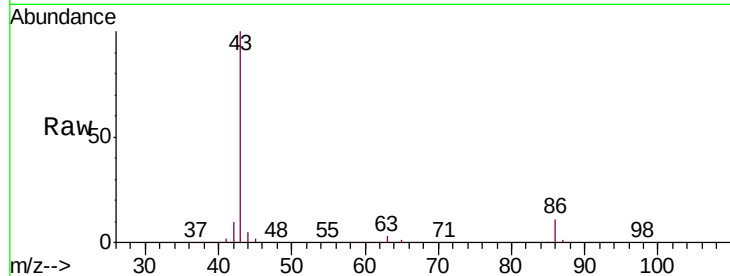




#23
 Vinyl Acetate
 Concen: 260.560 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

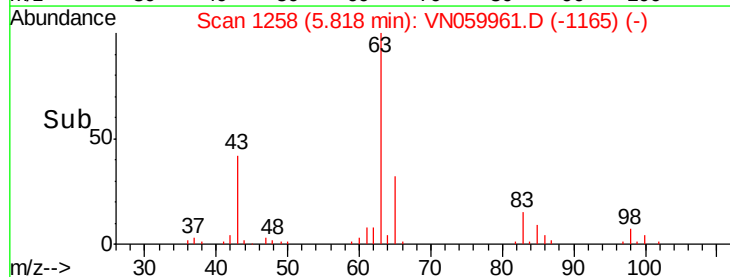
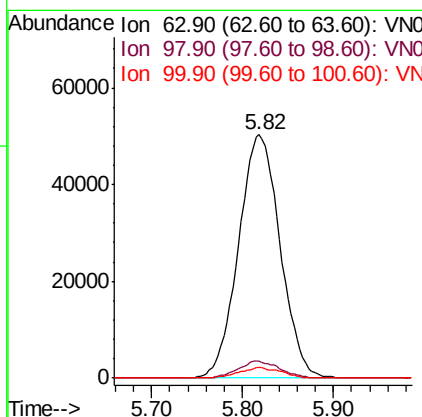
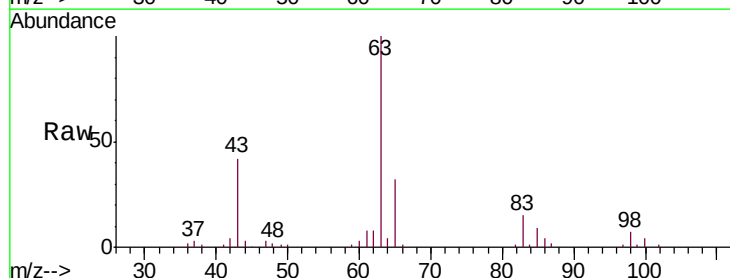
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

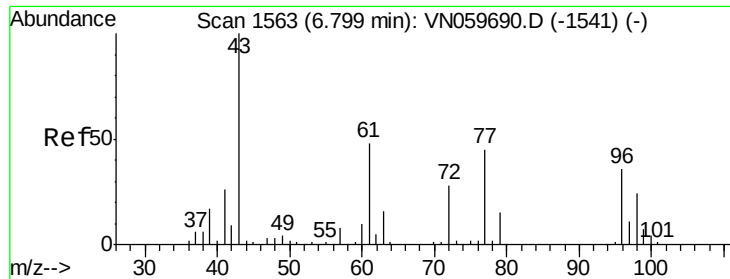
Tgt Ion: 43 Resp: 1006817
 Ion Ratio Lower Upper
 43 100
 86 11.3 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 52.339 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 63 Resp: 159605
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 264.046 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

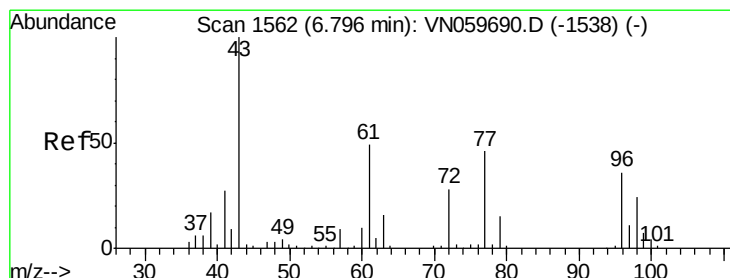
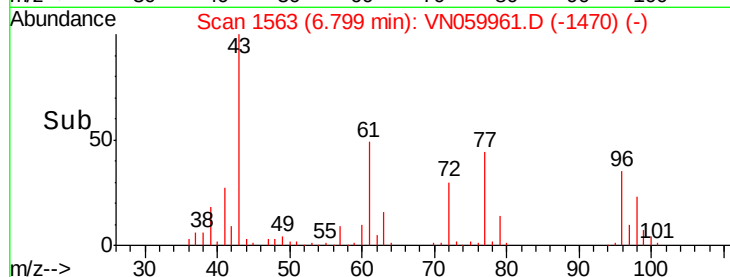
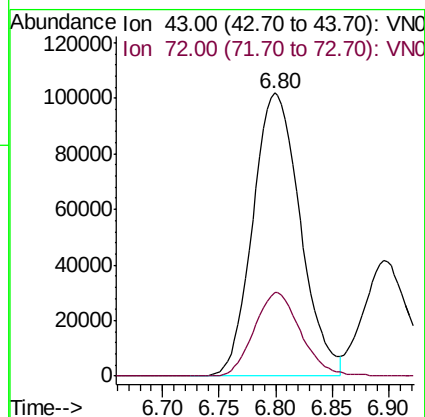
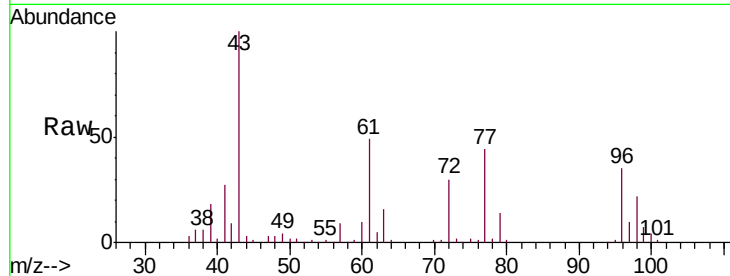
VSTDCCC050EC

Tgt Ion: 43 Resp: 296549

Ion Ratio Lower Upper

43 100

72 29.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 49.433 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059961.D

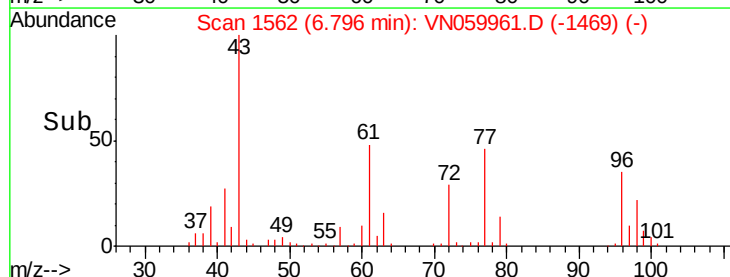
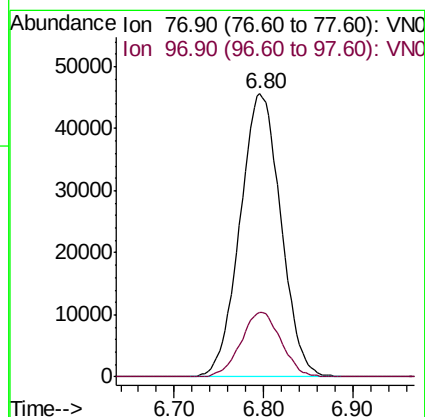
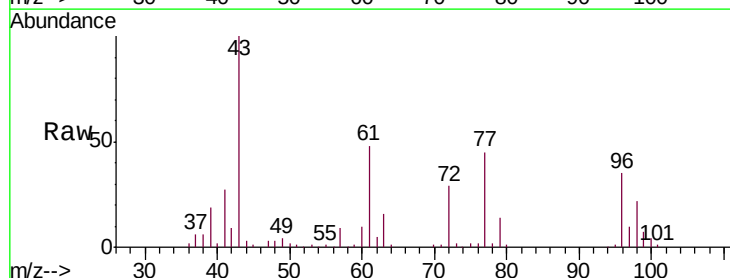
Acq: 31 Jan 2020 20:14

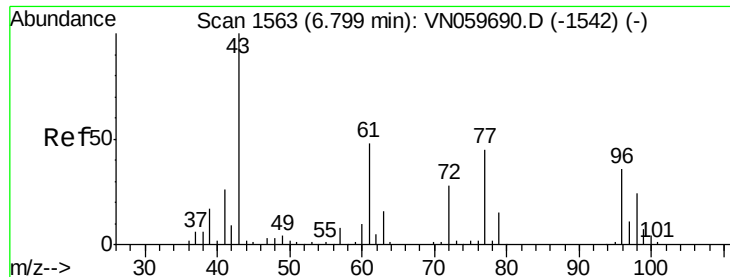
Tgt Ion: 77 Resp: 144922

Ion Ratio Lower Upper

77 100

97 22.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.909 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

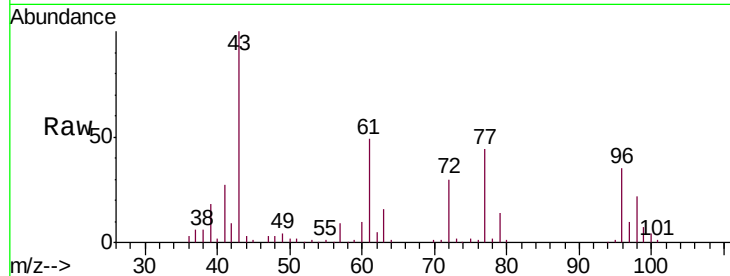
Tgt Ion: 96 Resp: 105691

Ion Ratio Lower Upper

96 100

61 138.8 0.0 317.6

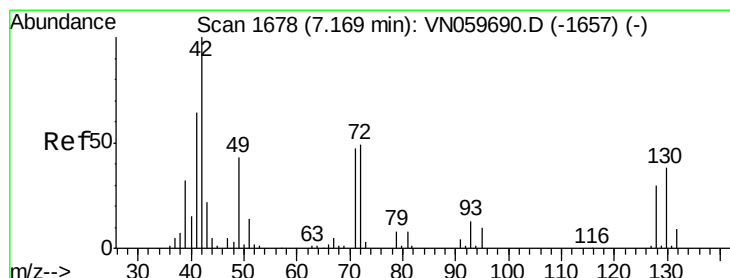
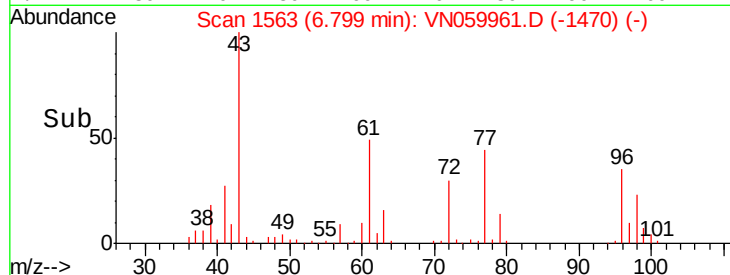
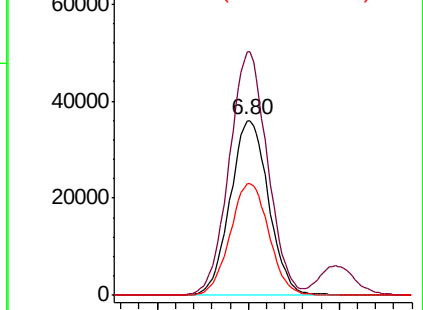
98 64.4 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059961.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059961.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059961.D (-1470) (-)



#28

Bromochloromethane

Concen: 50.906 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

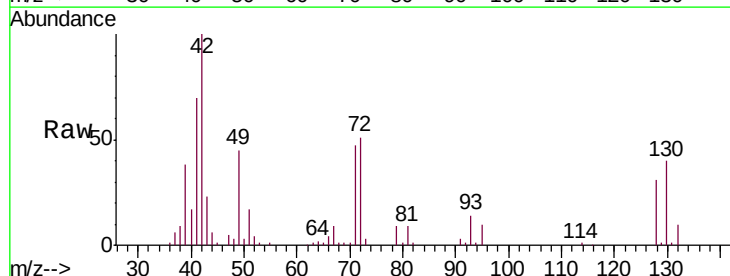
Tgt Ion: 49 Resp: 62046

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

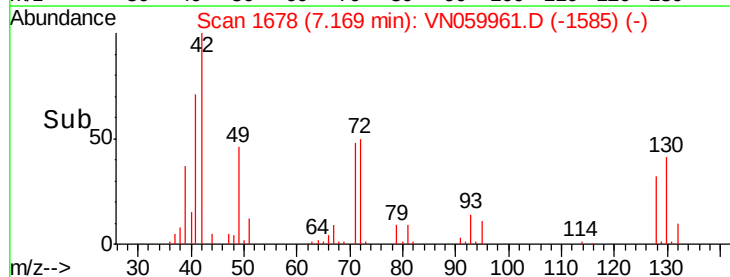
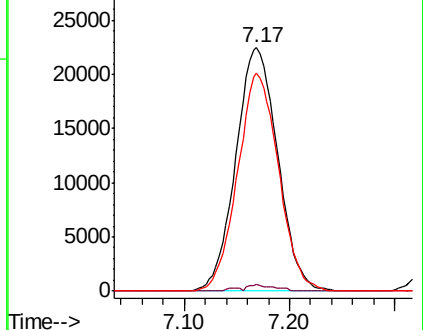
130 87.4 54.7 82.1#

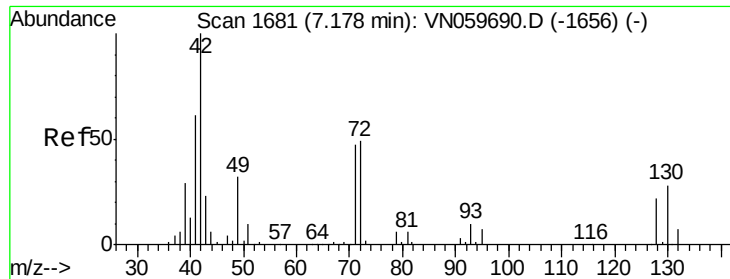


Abundance Ion 48.90 (48.60 to 49.60): VN059961.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059961.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059961.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 259.626 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

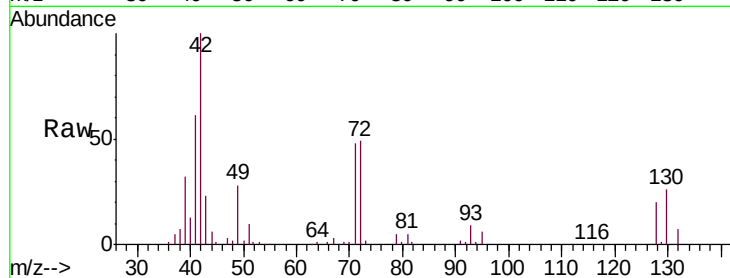
Tgt Ion: 42 Resp: 180410

Ion Ratio Lower Upper

42 100

72 49.0 33.1 49.7

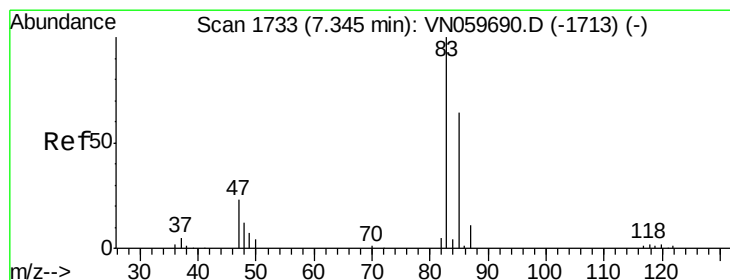
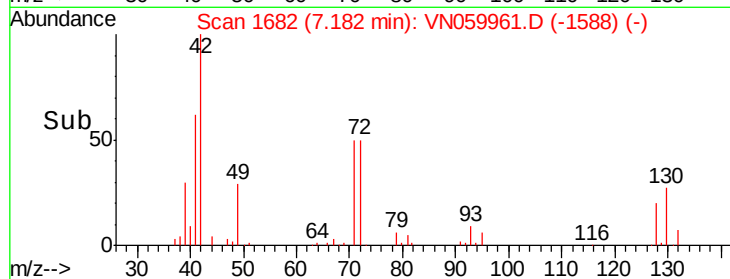
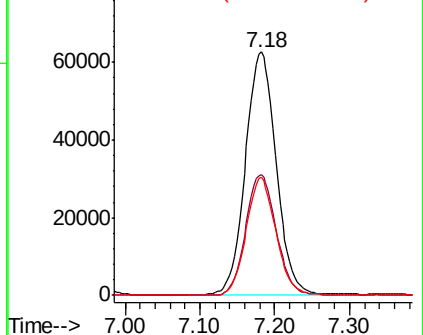
71 46.4 31.4 47.0



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: 53.878 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN059961.D

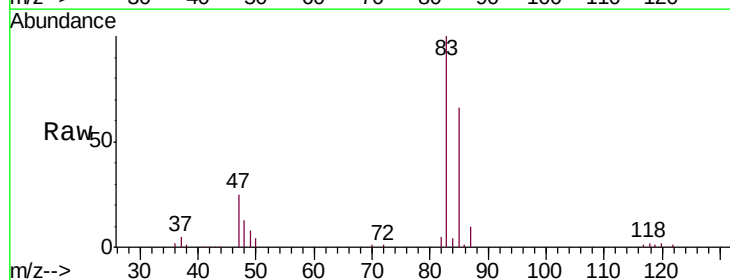
Acq: 31 Jan 2020 20:14

Tgt Ion: 83 Resp: 170234

Ion Ratio Lower Upper

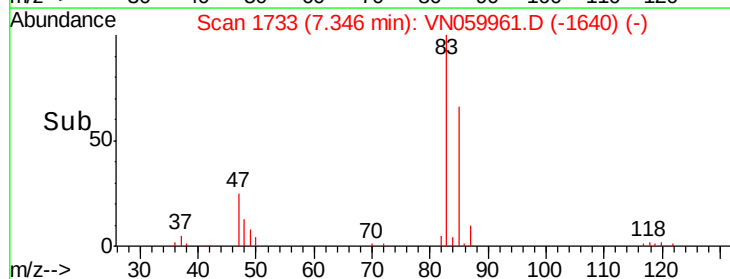
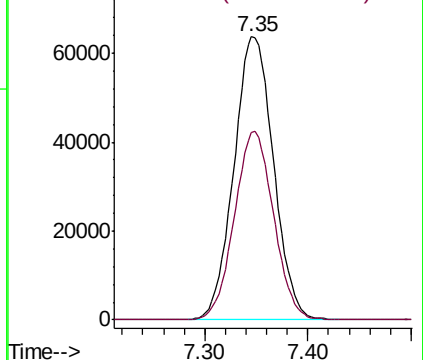
83 100

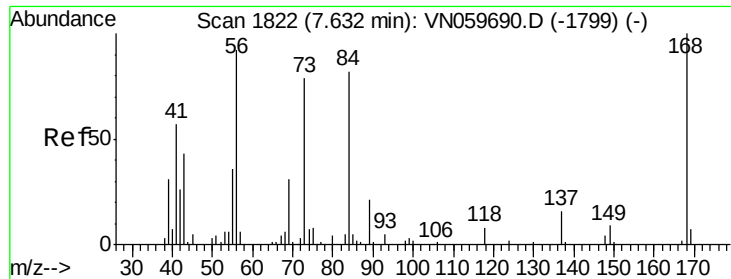
85 66.1 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

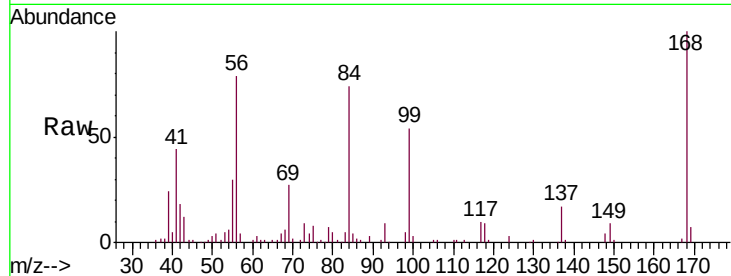




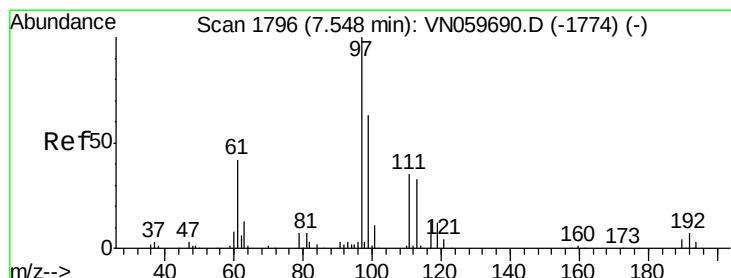
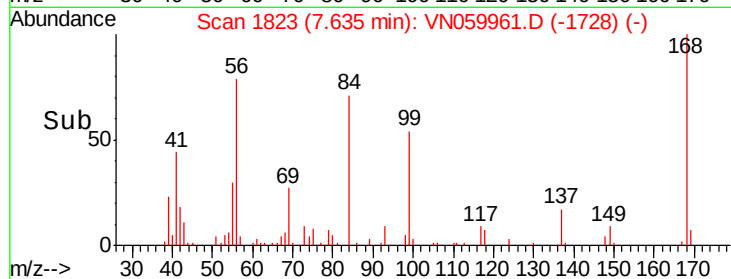
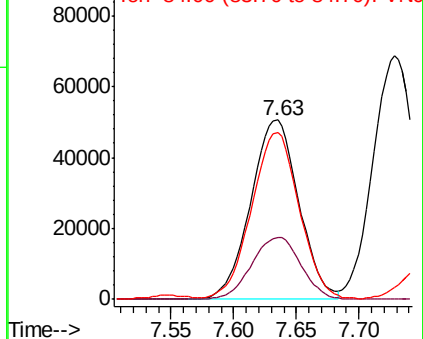
#31
Cyclohexane
Concen: 46.055 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 135140
Ion Ratio Lower Upper
56 100
69 34.4 26.5 39.7
84 92.0 65.3 97.9

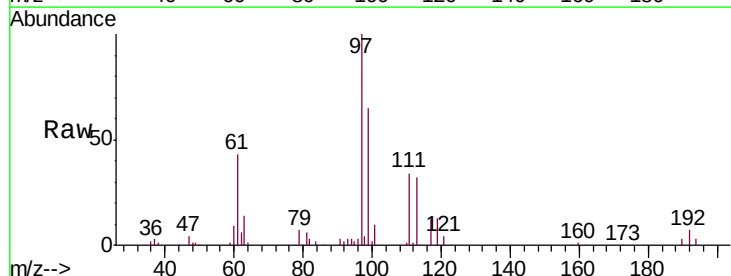


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

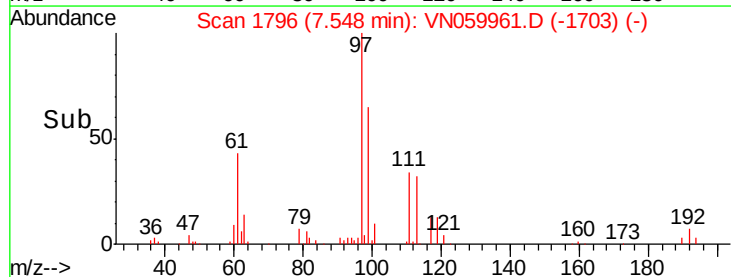
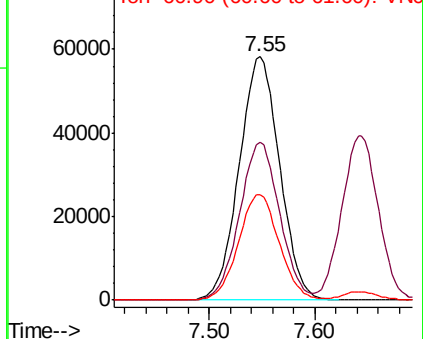


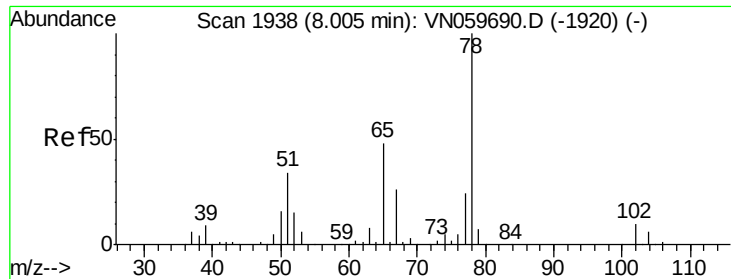
#32
1,1,1-Trichloroethane
Concen: 53.223 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 97 Resp: 155487
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 43.6 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

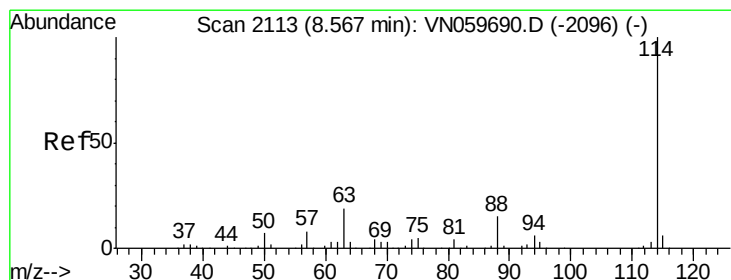
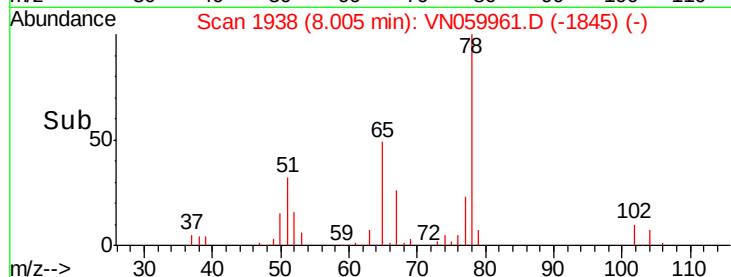
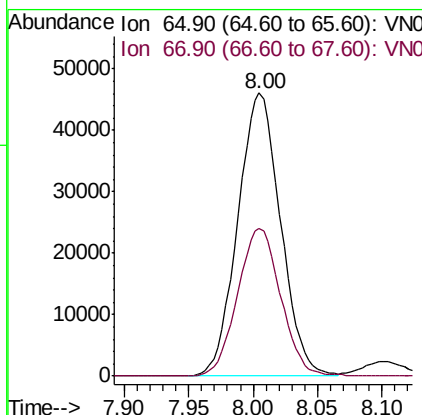
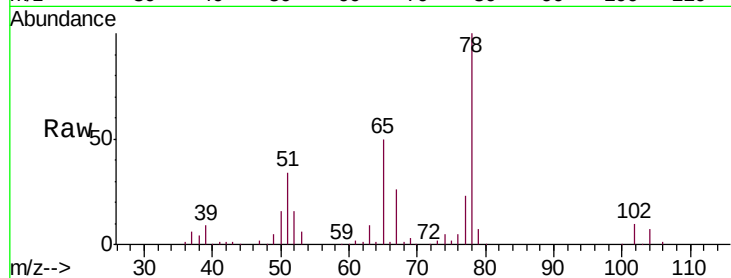




#33
 1,2-Dichloroethane-d4
 Concen: 53.623 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

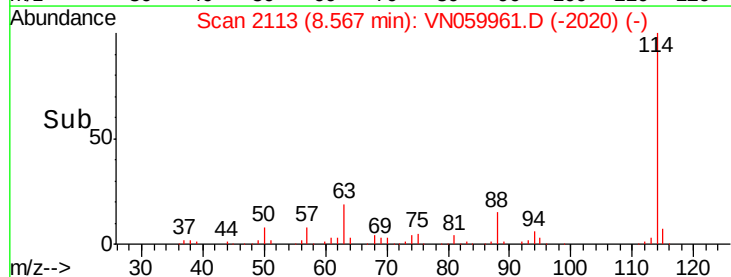
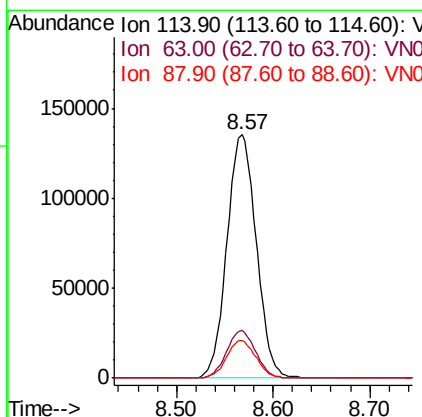
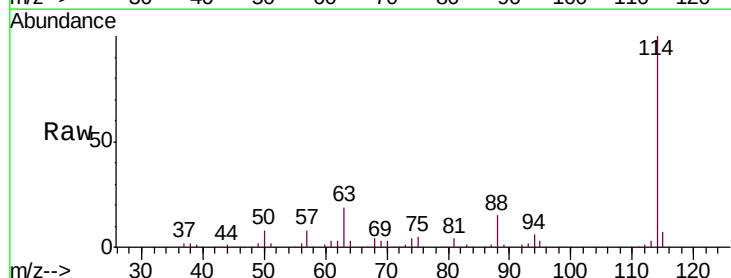
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

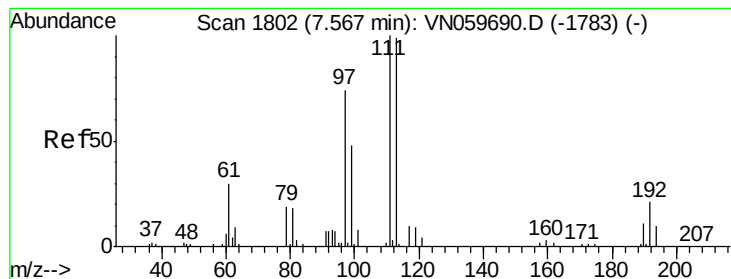
Tgt Ion: 65 Resp: 106347
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 114 Resp: 286169
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.200 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

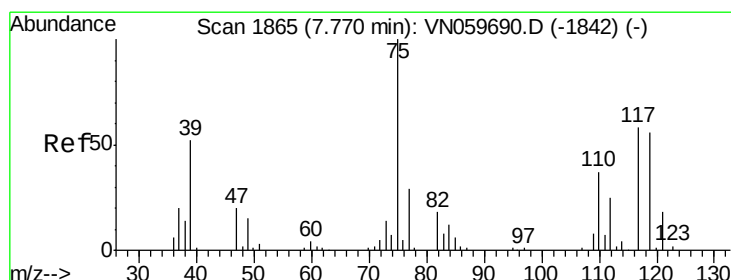
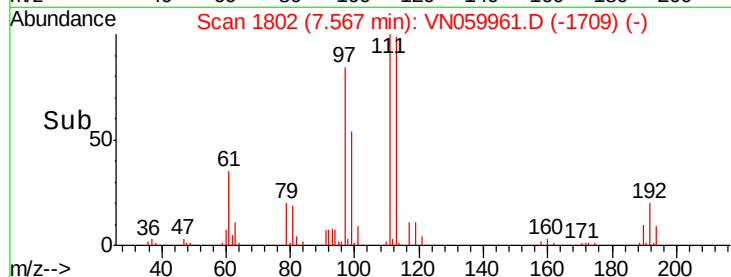
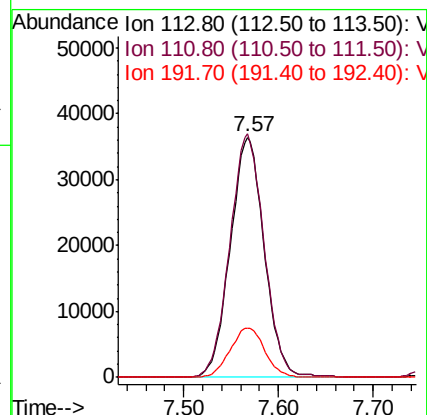
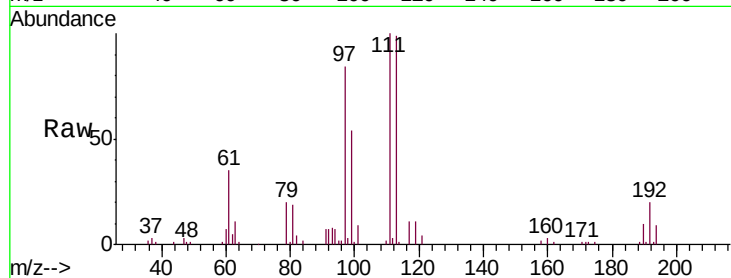
Tgt Ion: 113 Resp: 90789

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

192 20.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 49.156 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

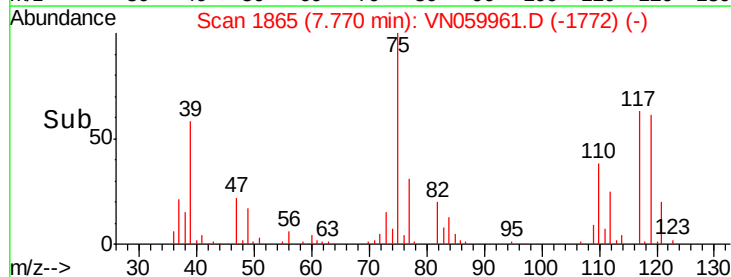
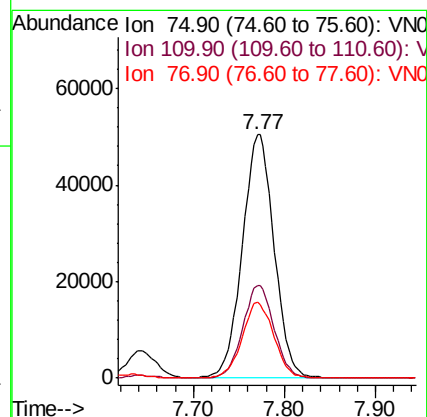
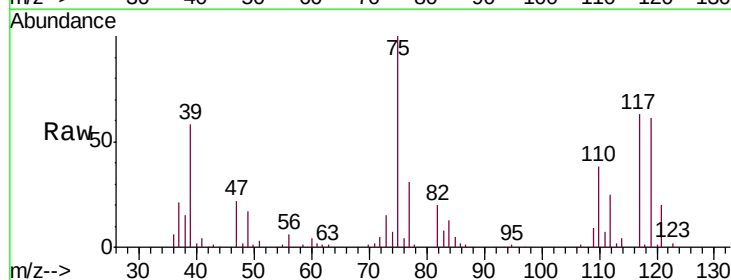
Tgt Ion: 75 Resp: 122501

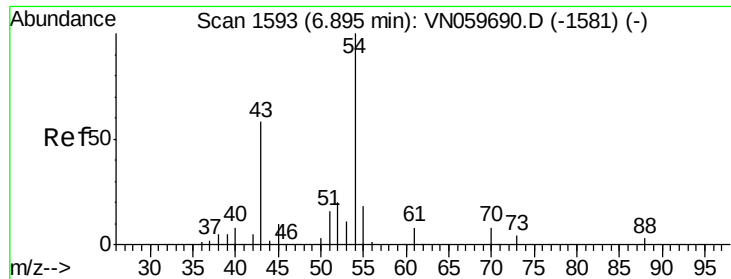
Ion Ratio Lower Upper

75 100

110 37.3 16.6 49.7

77 31.1 25.1 37.7

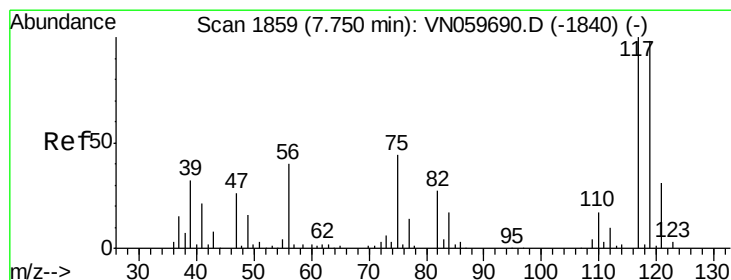
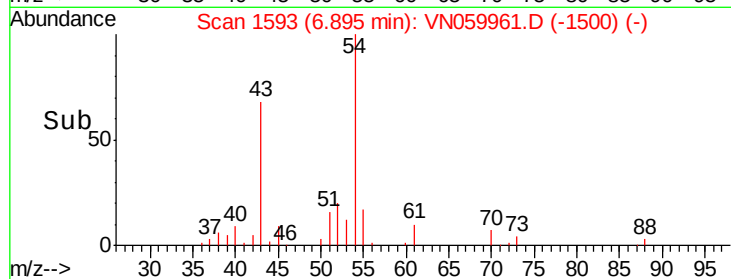
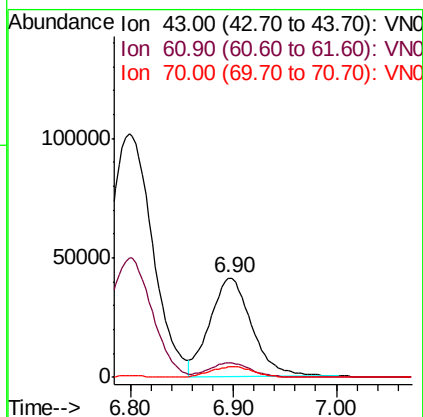
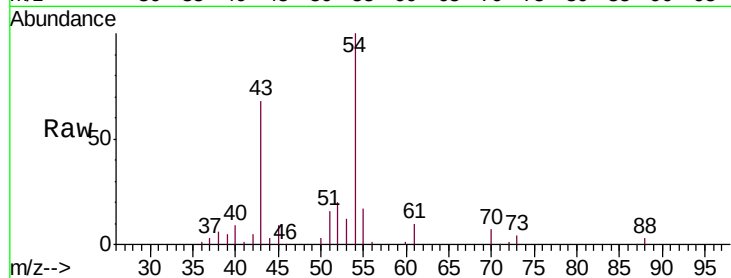




#37
 Ethyl Acetate
 Concen: 49.753 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

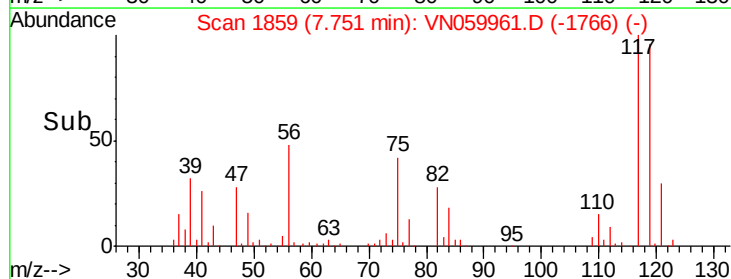
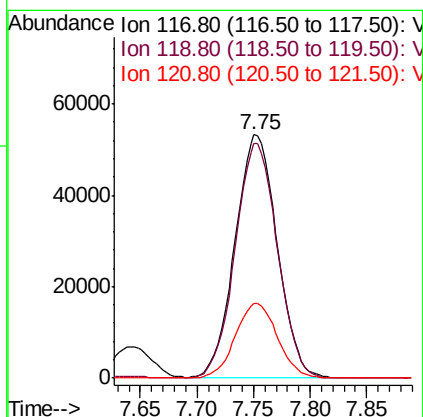
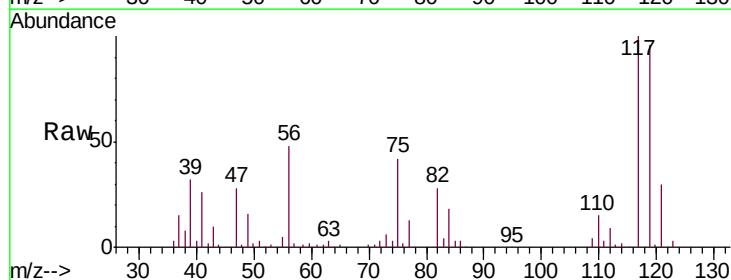
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

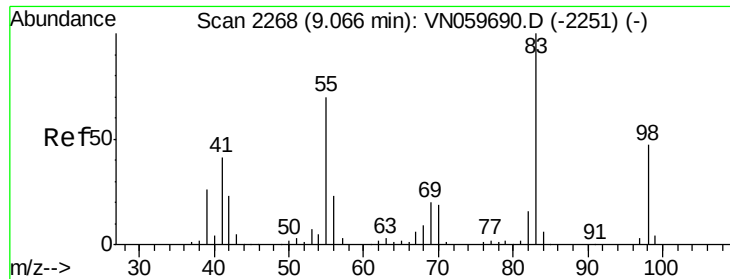
Tgt Ion: 43 Resp: 116290
 Ion Ratio Lower Upper
 43 100
 61 14.8 10.9 16.3
 70 11.1 7.7 11.5



#38
 Carbon Tetrachloride
 Concen: 51.016 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 117 Resp: 138297
 Ion Ratio Lower Upper
 117 100
 119 96.3 76.5 114.7
 121 30.4 25.1 37.7

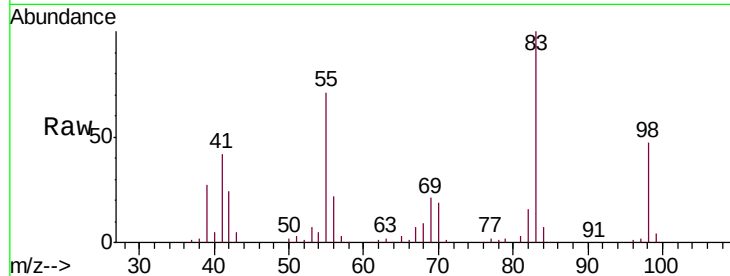




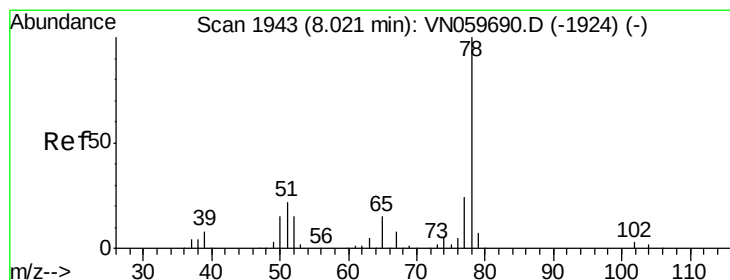
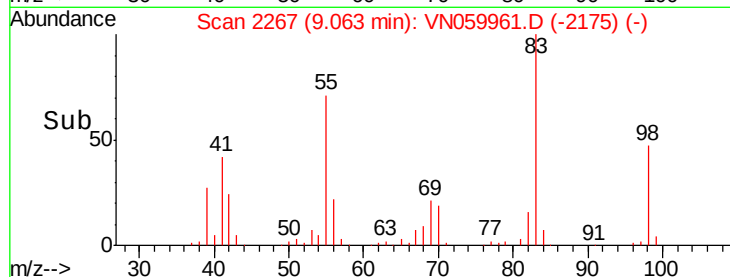
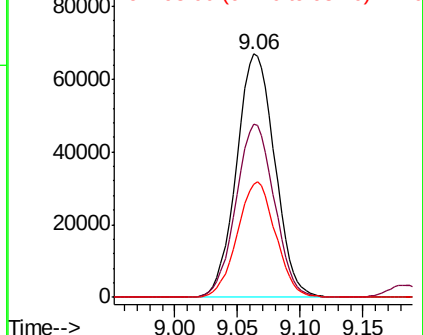
#39
Methylcyclohexane
Concen: 46.225 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 142039
Ion Ratio Lower Upper
83 100
55 71.3 64.2 96.2
98 46.6 35.9 53.9

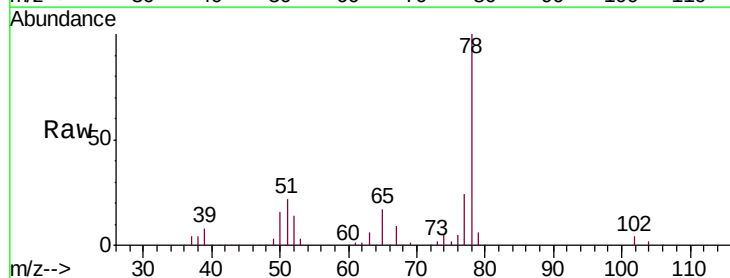


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

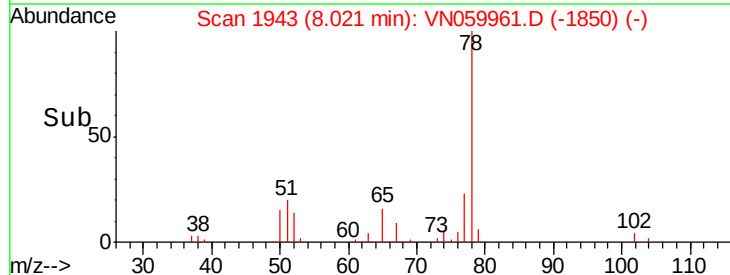
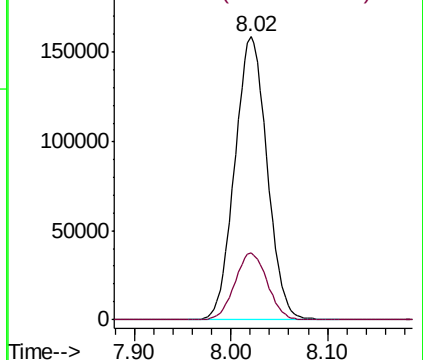


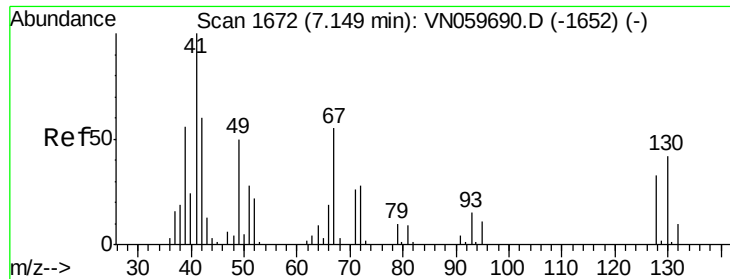
#40
Benzene
Concen: 49.481 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 78 Resp: 367752
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

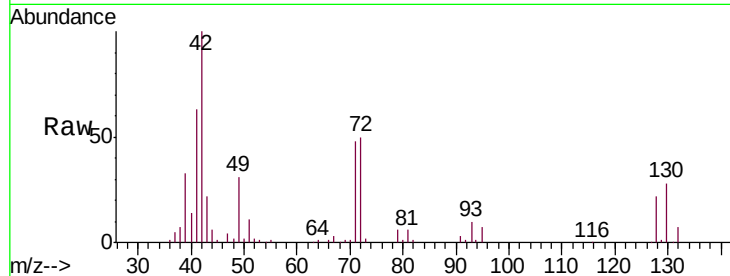




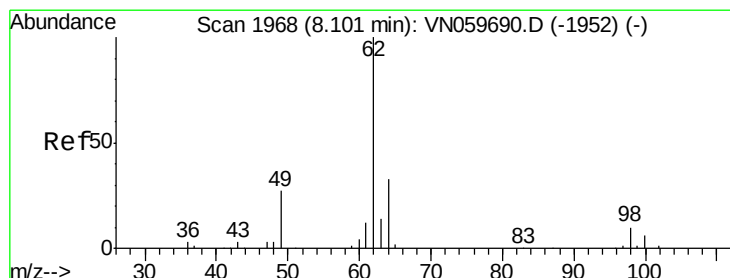
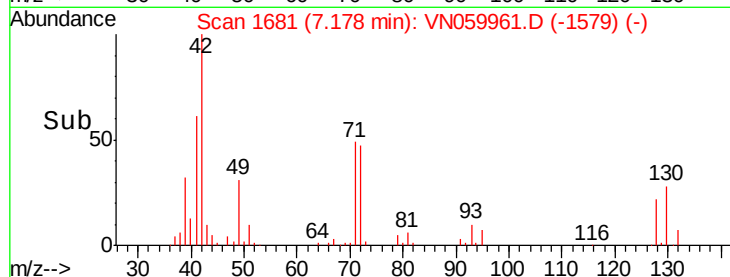
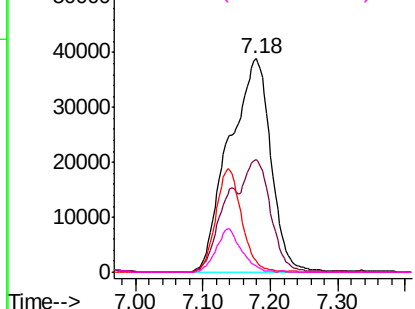
#41
Methacrylonitrile
Concen: 146.150 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	168258
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

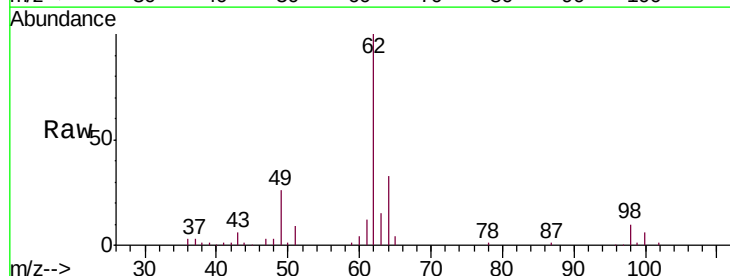


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

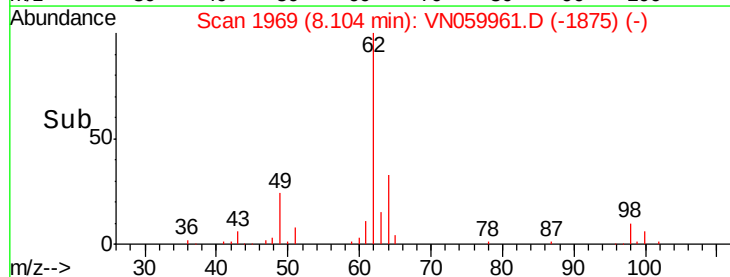
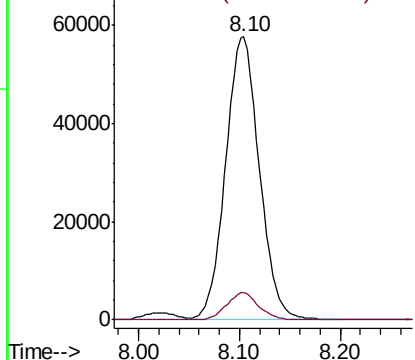


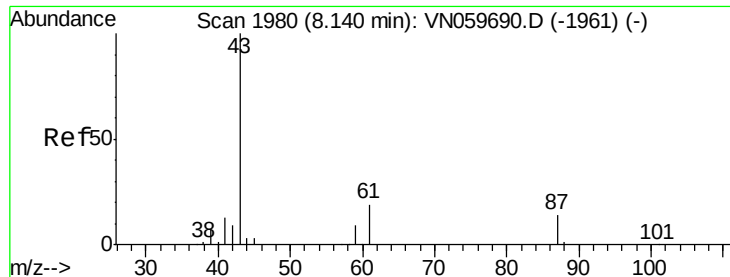
#42
1,2-Dichloroethane
Concen: 53.361 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion:	62	Resp:	134466
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 49.961 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

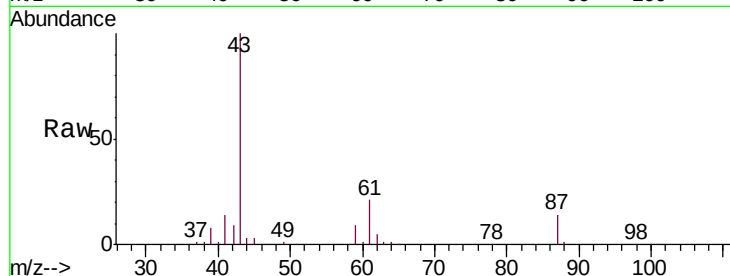
Tgt Ion: 43 Resp: 200859

Ion Ratio Lower Upper

43 100

61 27.4 20.2 30.2

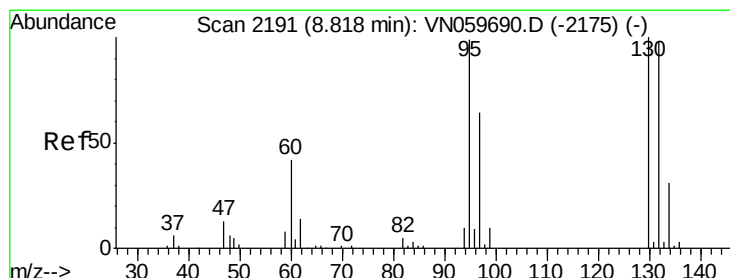
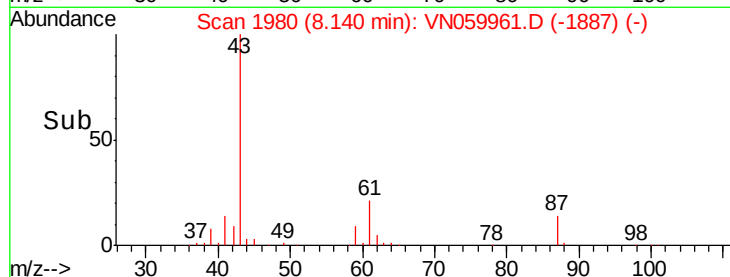
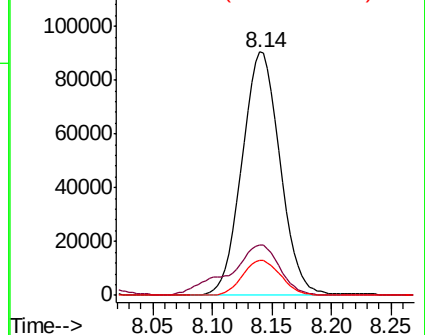
87 14.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059961.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059961.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059961.D (-1961) (-)



#44

Trichloroethene

Concen: 51.034 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059961.D

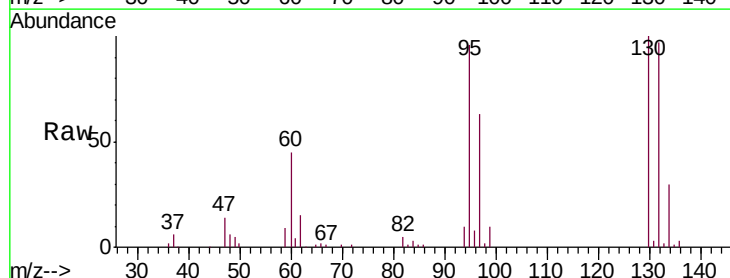
Acq: 31 Jan 2020 20:14

Tgt Ion: 130 Resp: 103545

Ion Ratio Lower Upper

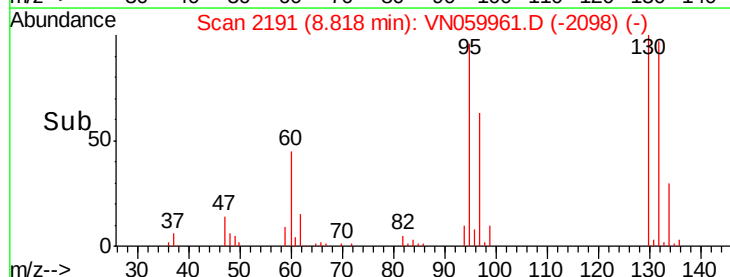
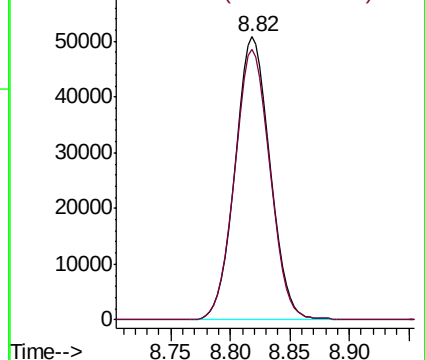
130 100

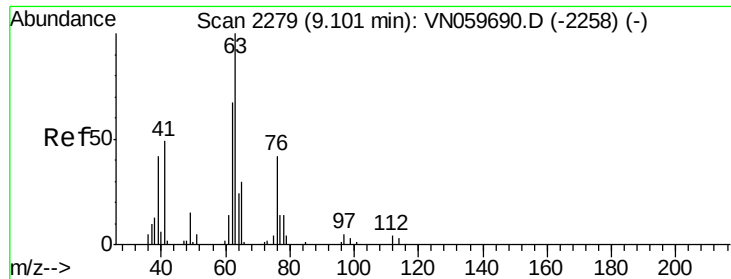
95 95.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059961.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059961.D (-2175) (-)

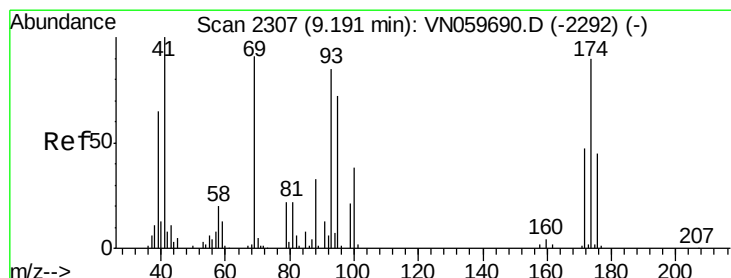
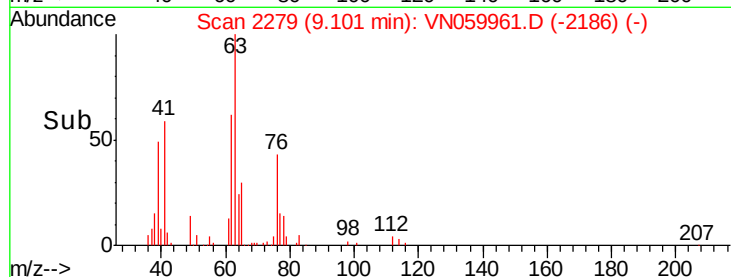
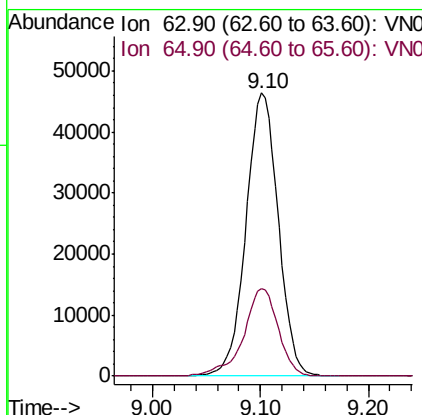
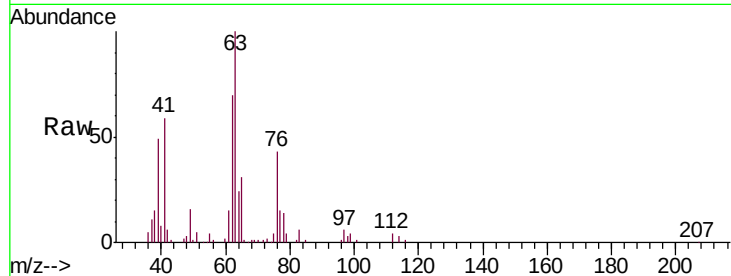




#45
 1,2-Dichloropropane
 Concen: 52.380 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

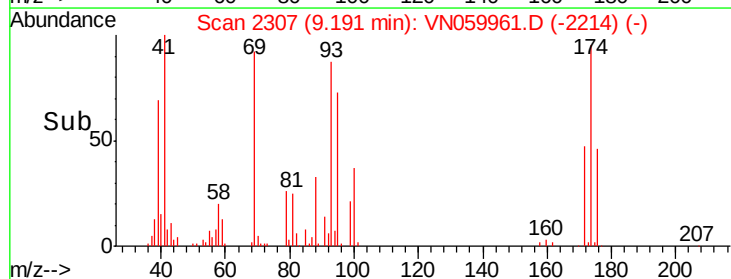
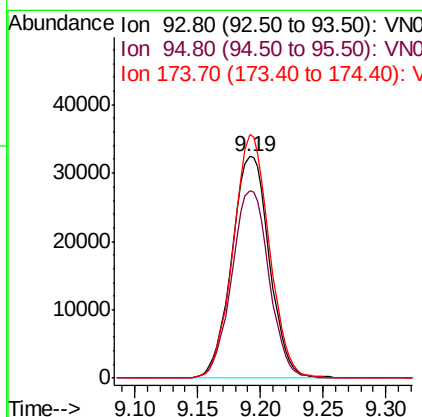
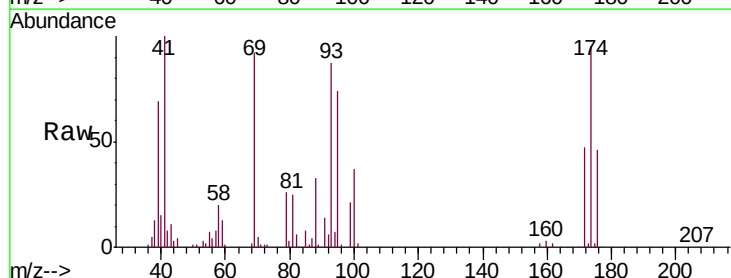
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

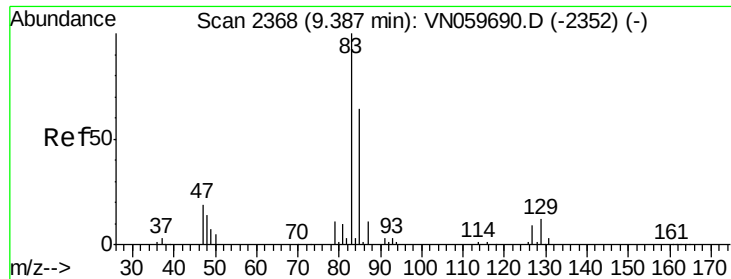
Tgt Ion: 63 Resp: 96332
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.9 37.3



#46
 Dibromomethane
 Concen: 52.180 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 93 Resp: 67694
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.6
 174 105.5 73.4 110.2

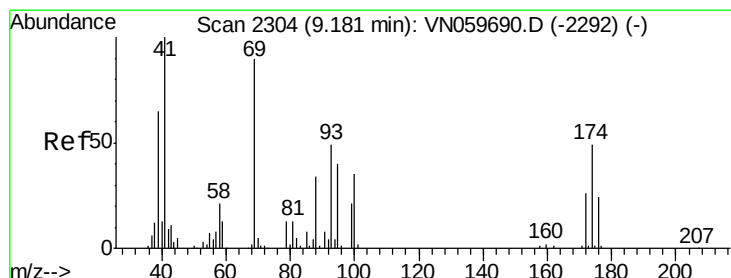
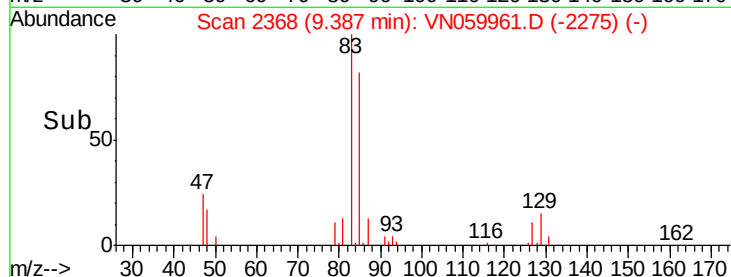
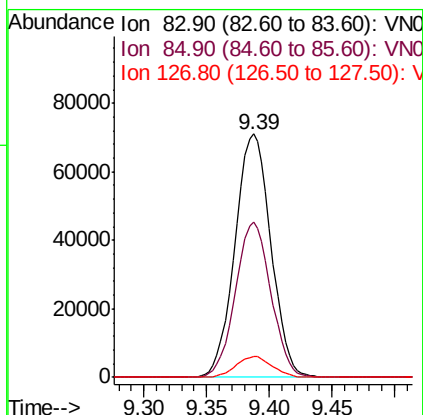
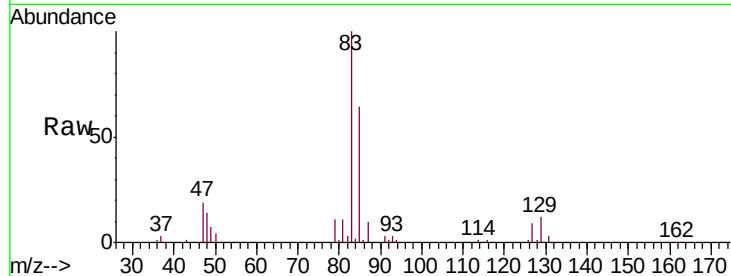




#47
Bromodichloromethane
Concen: 54.180 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

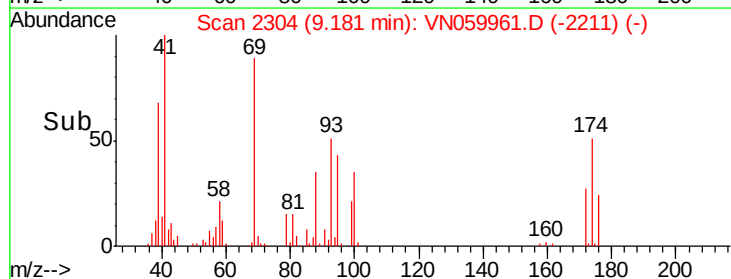
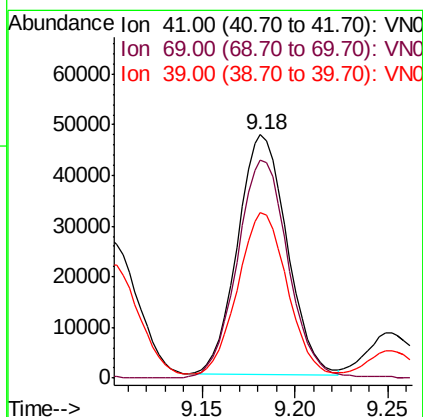
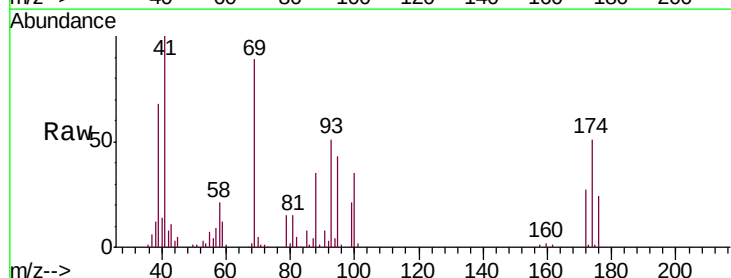
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

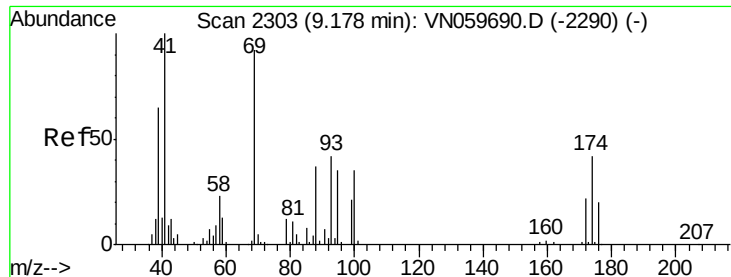
Tgt Ion: 83 Resp: 141644
Ion Ratio Lower Upper
83 100
85 63.8 51.1 76.7
127 8.7 6.6 9.8



#48
Methyl methacrylate
Concen: 49.035 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 41 Resp: 88179
Ion Ratio Lower Upper
41 100
69 93.9 64.4 96.6
39 67.7 51.3 76.9

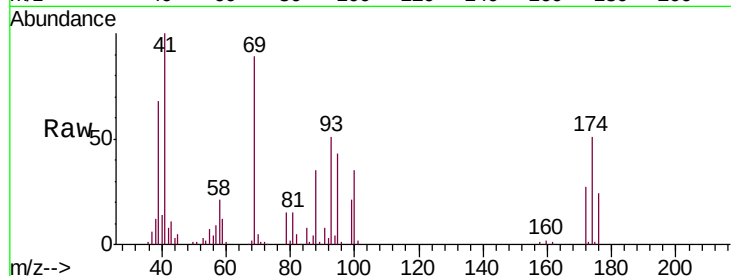




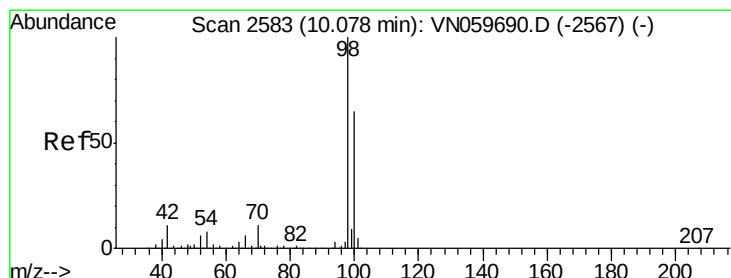
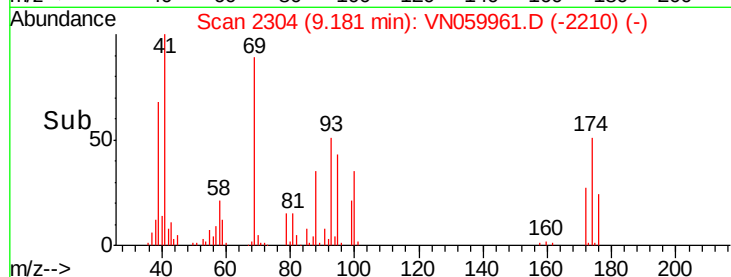
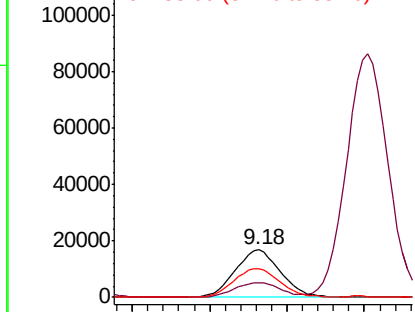
#49
1,4-Dioxane
Concen: 1035.875 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 34101
Ion Ratio Lower Upper
88 100
43 32.2 29.7 44.5
58 62.5 56.6 85.0

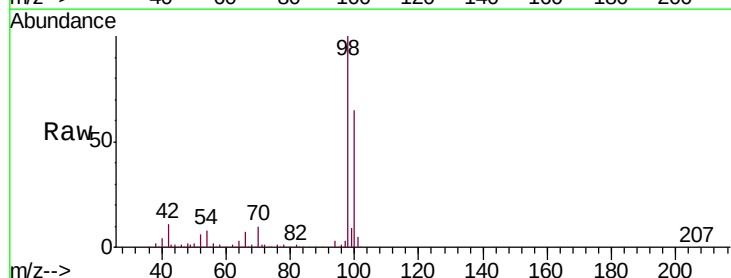


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

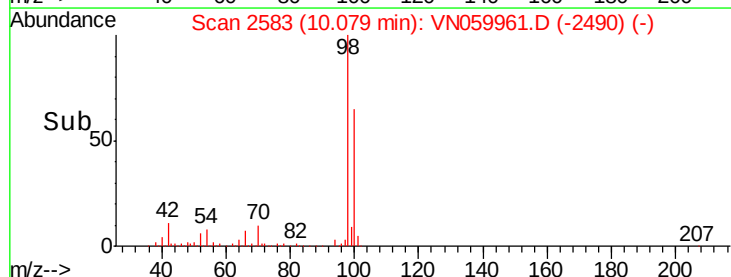
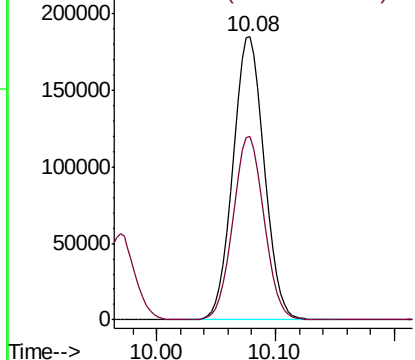


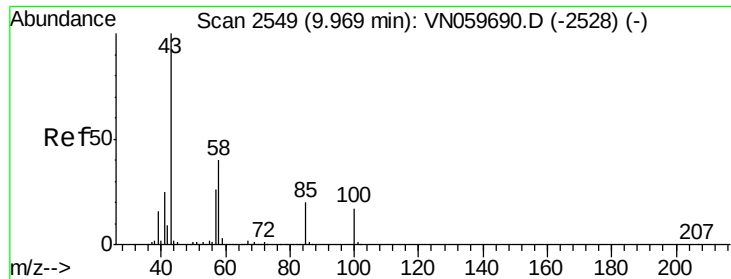
#50
Toluene-d8
Concen: 50.985 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 98 Resp: 337113
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

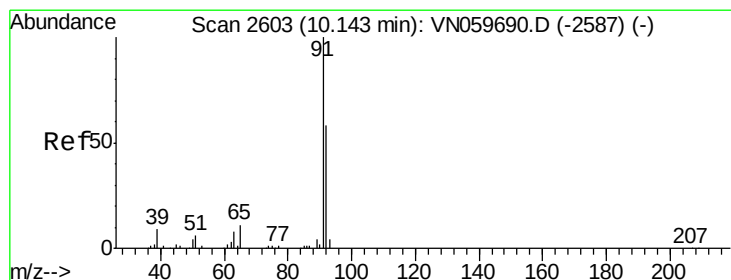
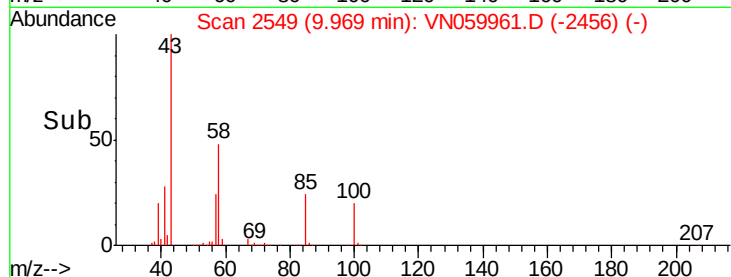
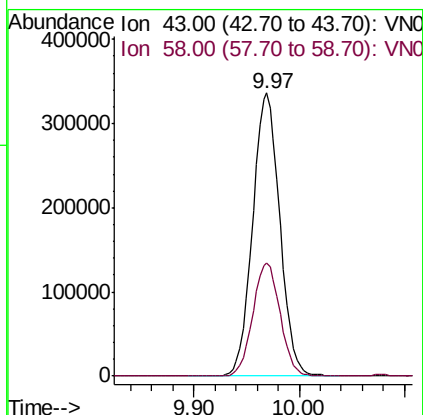
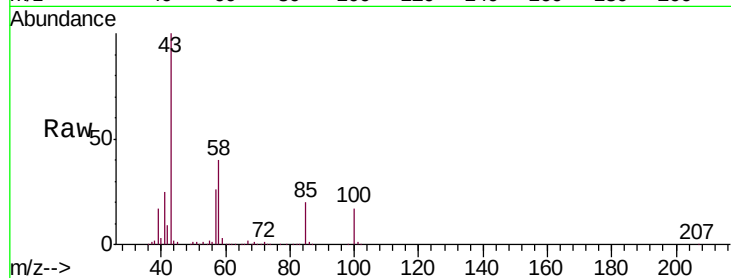




#51
 4-Methyl-2-Pentanone
 Concen: 259.225 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

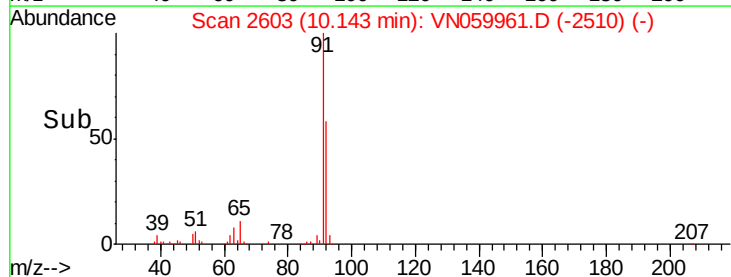
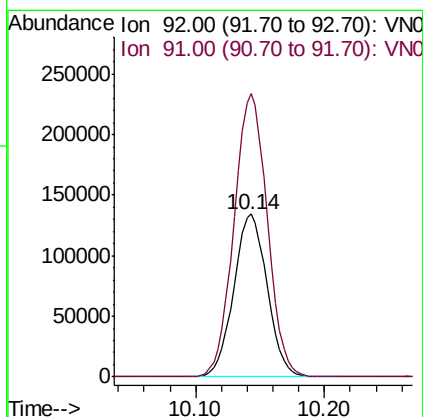
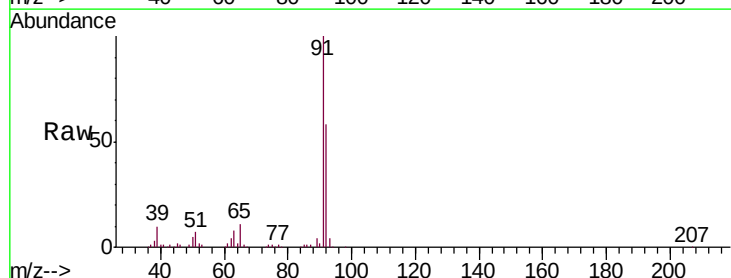
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

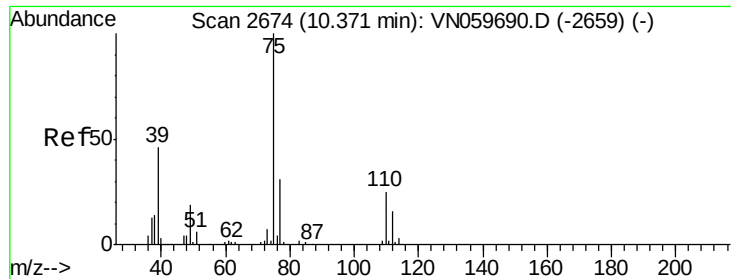
Tgt Ion: 43 Resp: 602446
 Ion Ratio Lower Upper
 43 100
 58 40.2 29.8 44.8



#52
 Toluene
 Concen: 51.448 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 92 Resp: 241526
 Ion Ratio Lower Upper
 92 100
 91 173.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 53.500 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

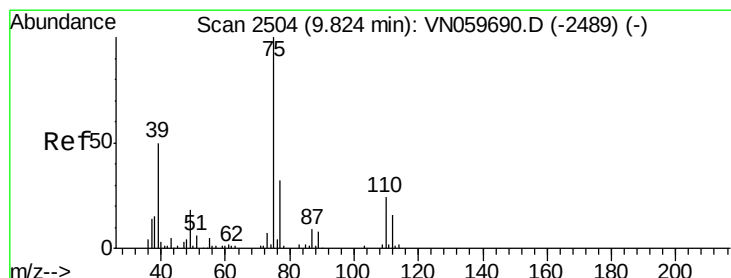
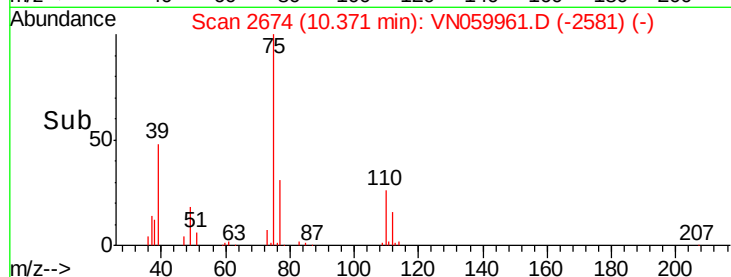
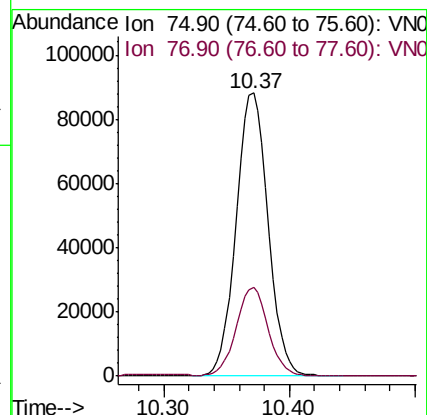
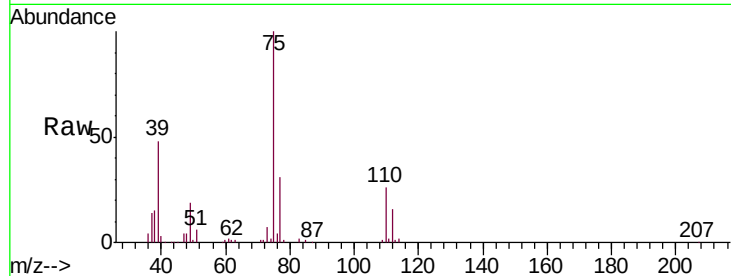
VSTDCCC050EC

Tgt Ion: 75 Resp: 156172

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 52.655 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

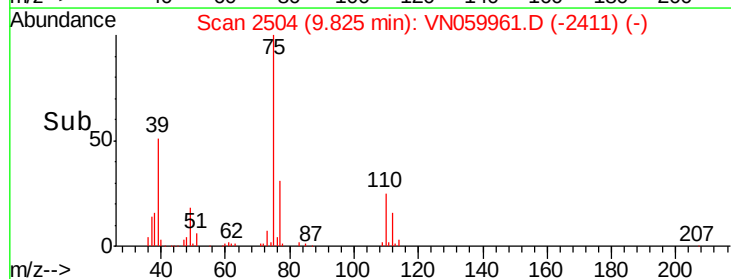
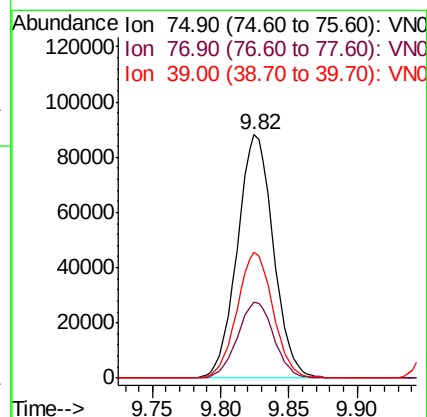
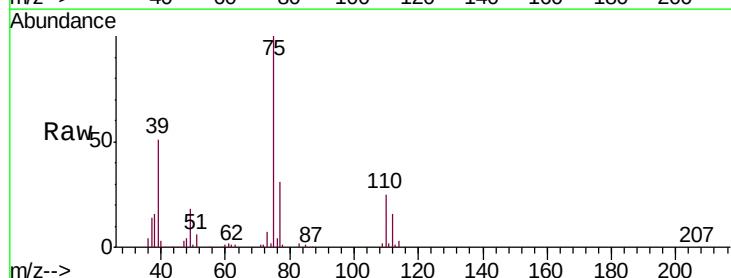
Tgt Ion: 75 Resp: 161728

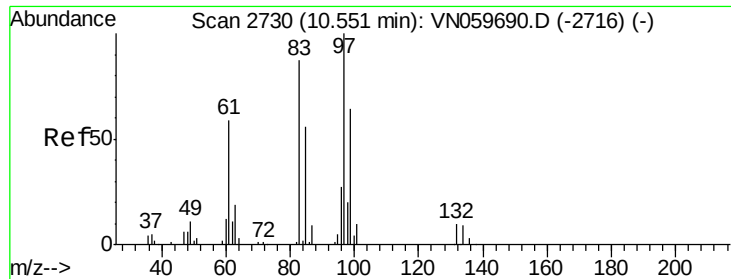
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 51.5 46.1 69.1

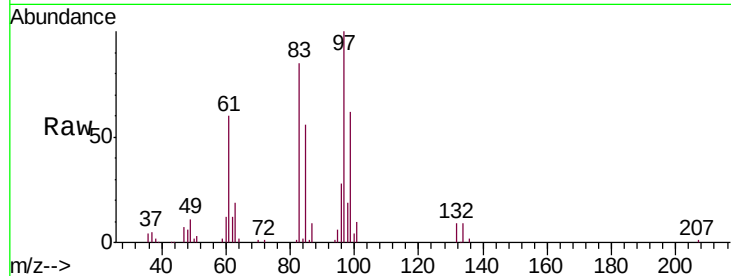




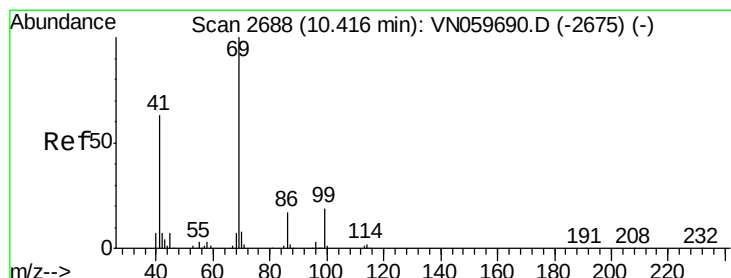
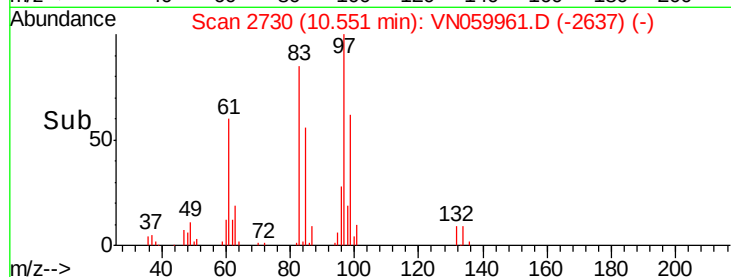
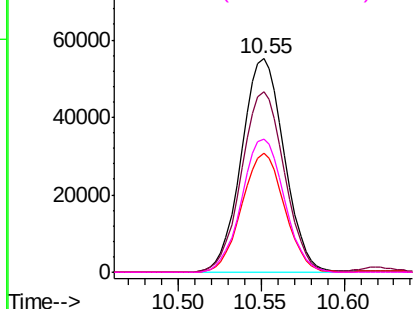
#55
 1,1,2-Trichloroethane
 Concen: 53.383 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	99256
Ion	Ratio	Lower	Upper
97	100		
83	84.7	71.3	106.9
85	55.6	45.8	68.8
99	62.5	50.0	75.0

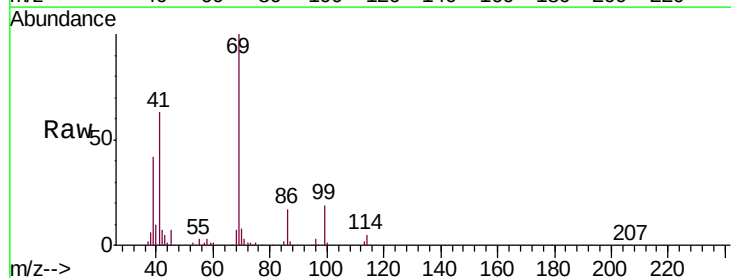


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

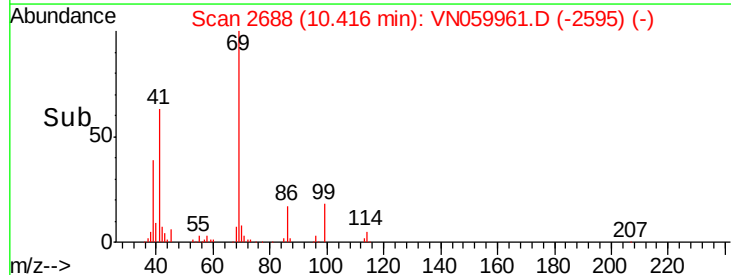
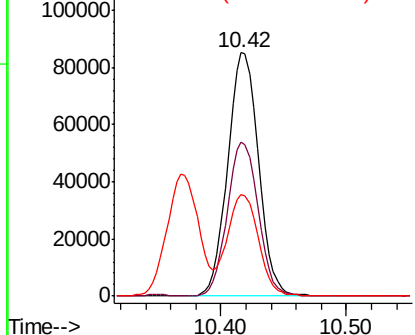


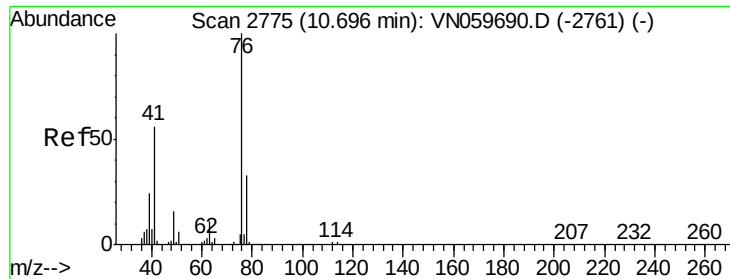
#56
 Ethyl methacrylate
 Concen: 51.197 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion:	69	Resp:	145454
Ion	Ratio	Lower	Upper
69	100		
41	63.2	57.1	85.7
39	42.3	34.7	52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.839 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

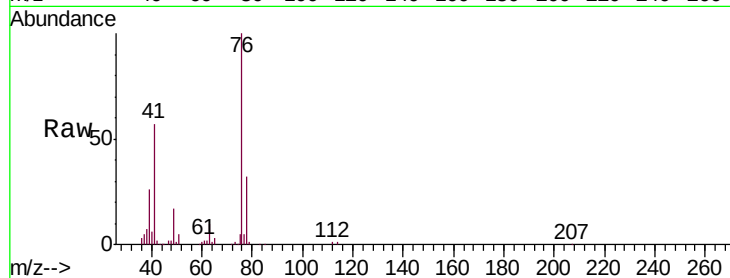
VSTDCCC050EC

Tgt Ion: 76 Resp: 161878

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059961.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059961.D (-2682) (-)

10.70

80000

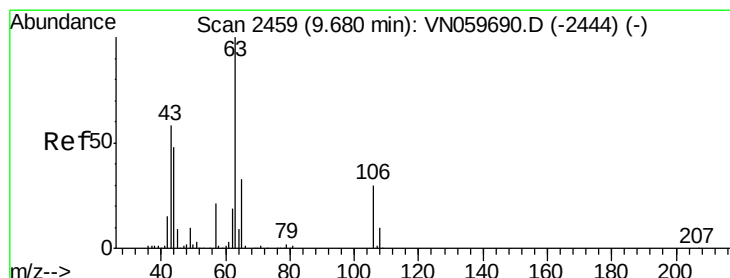
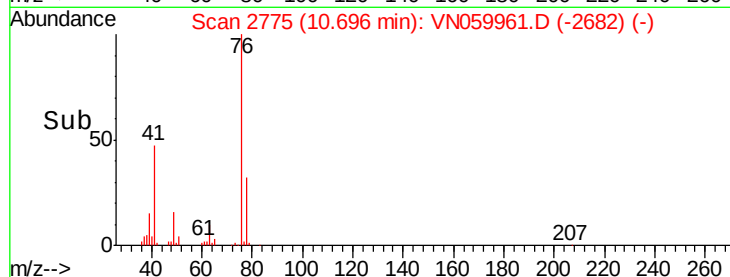
60000

40000

20000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 287.678 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059961.D

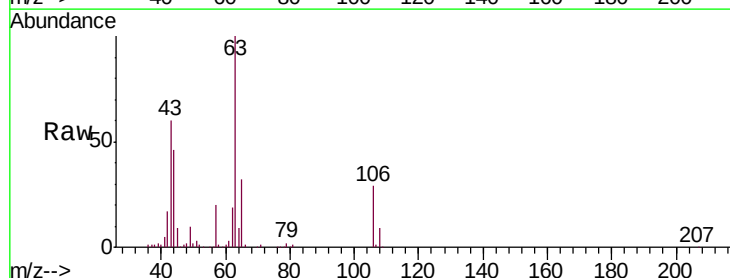
Acq: 31 Jan 2020 20:14

Tgt Ion: 63 Resp: 246174

Ion Ratio Lower Upper

63 100

106 29.0 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059961.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059961.D (-2366) (-)

9.68

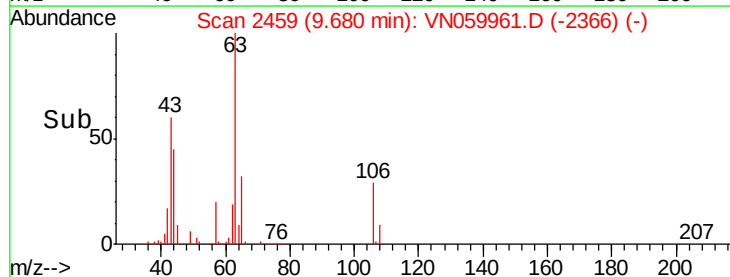
150000

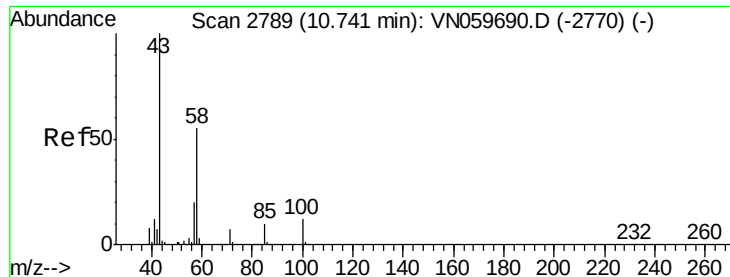
100000

50000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 264.890 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

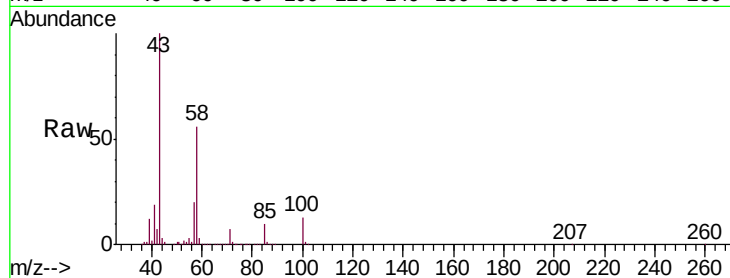
VSTDCCC050EC

Tgt Ion: 43 Resp: 453522

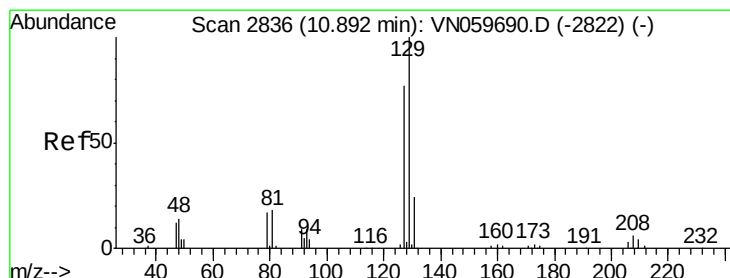
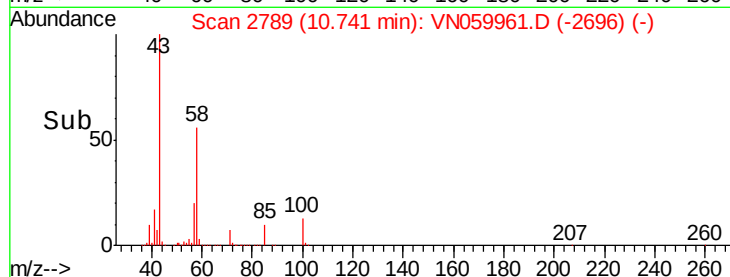
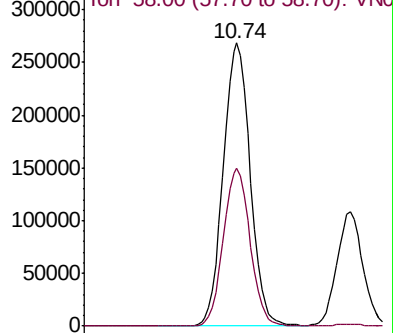
Ion Ratio Lower Upper

43 100

58 55.5 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN059961.D (-2696) (-)



#60

Dibromochloromethane

Concen: 54.352 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN059961.D

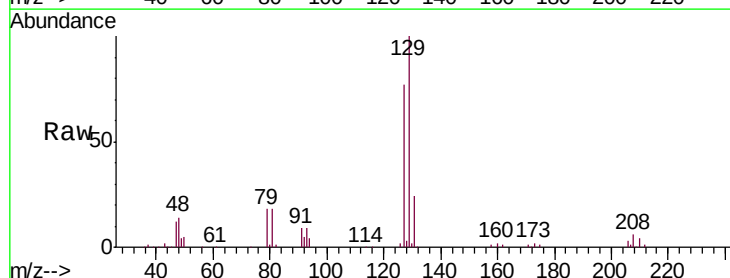
Acq: 31 Jan 2020 20:14

Tgt Ion: 129 Resp: 115080

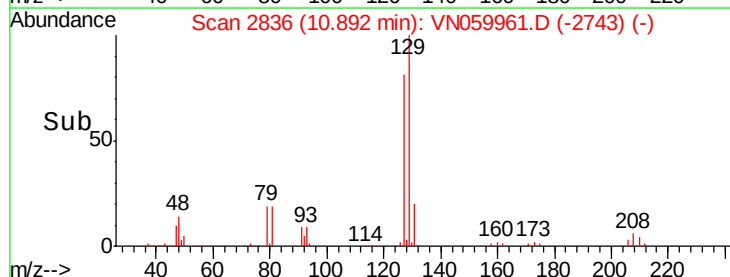
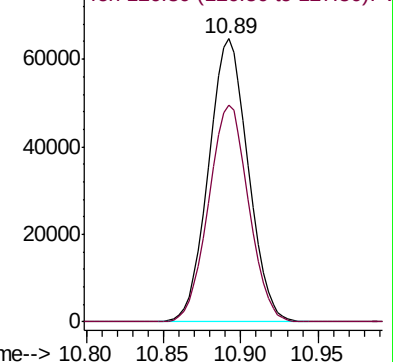
Ion Ratio Lower Upper

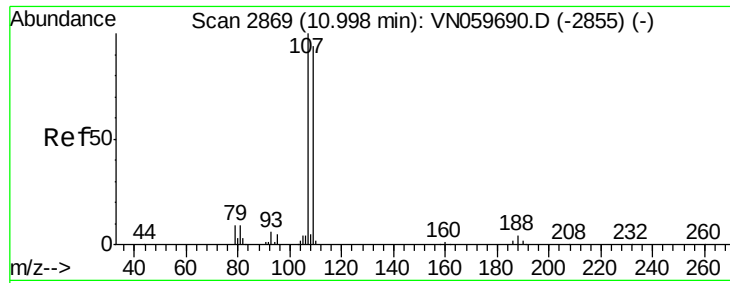
129 100

127 77.5 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN059961.D (-2743) (-)

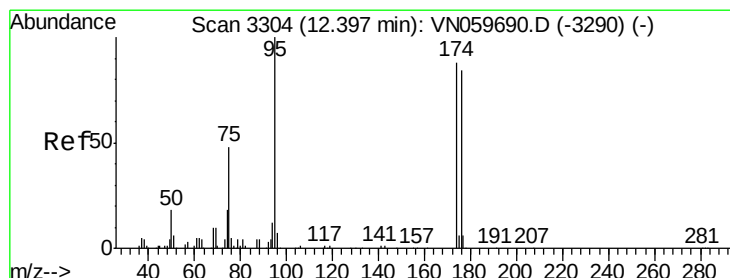
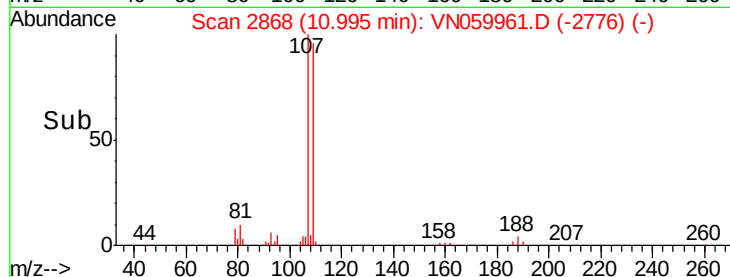
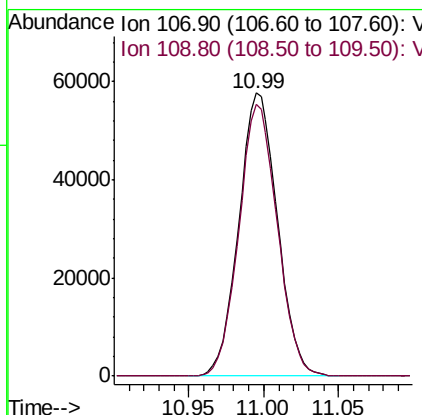
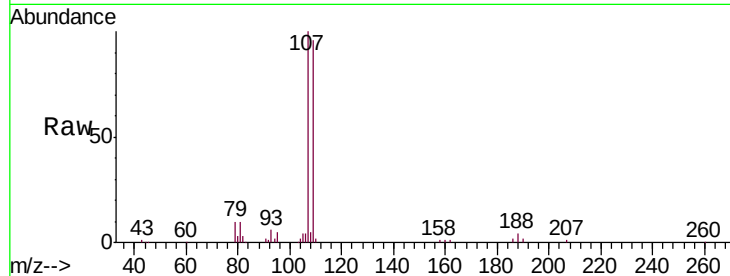




#61
 1,2-Dibromoethane
 Concen: 53.083 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

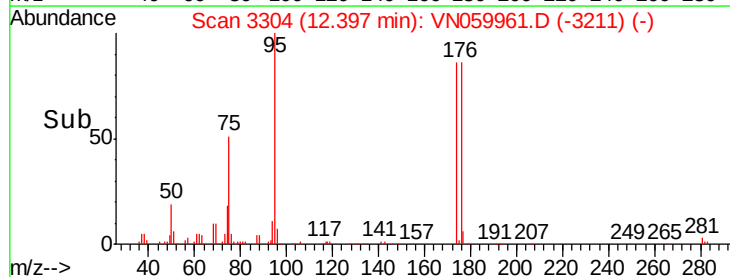
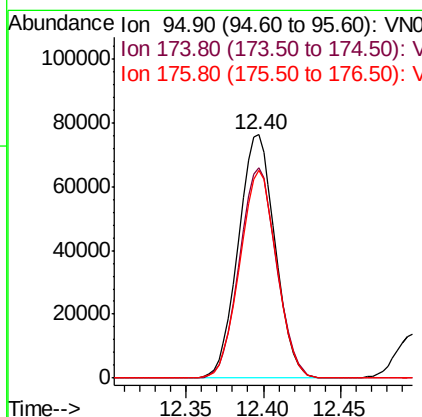
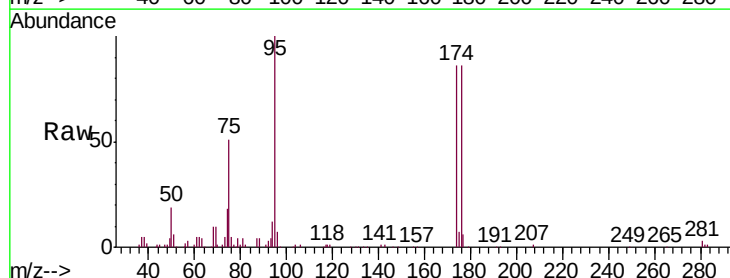
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

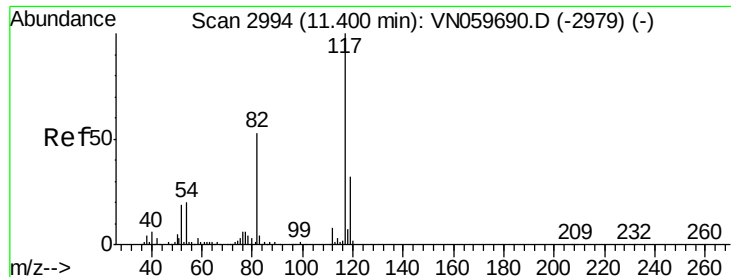
Tgt Ion: 107 Resp: 103446
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 53.119 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 95 Resp: 126615
 Ion Ratio Lower Upper
 95 100
 174 86.7 0.0 151.4
 176 85.1 0.0 146.0

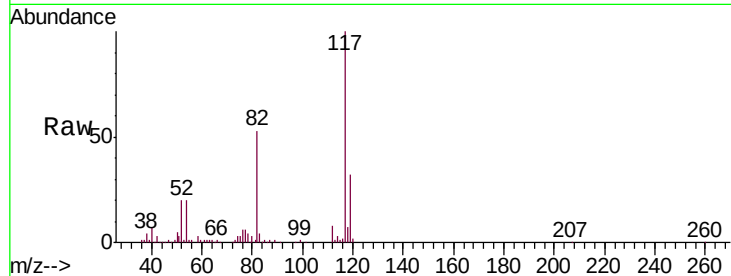




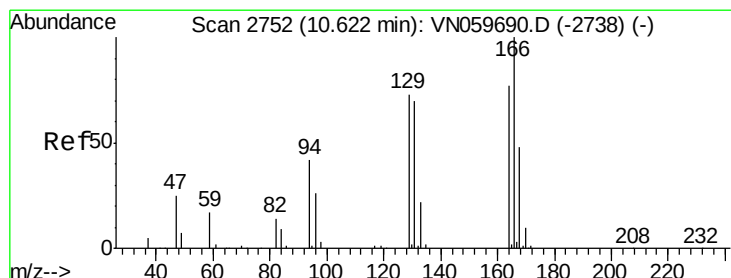
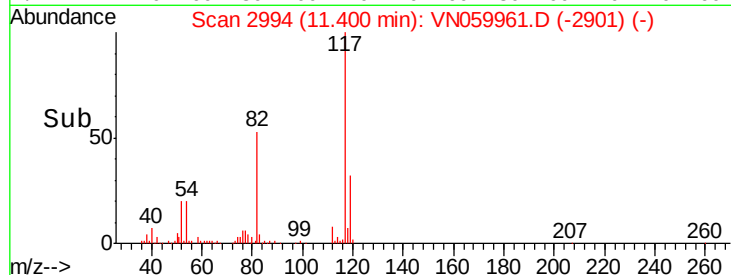
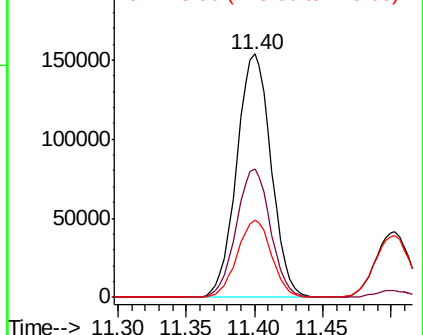
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 269384
Ion Ratio Lower Upper
117 100
82 52.8 45.9 68.9
119 31.7 25.5 38.3

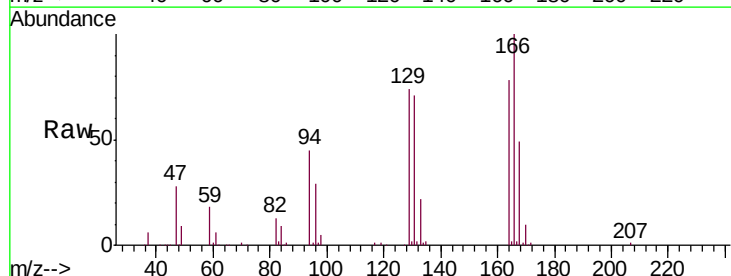


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

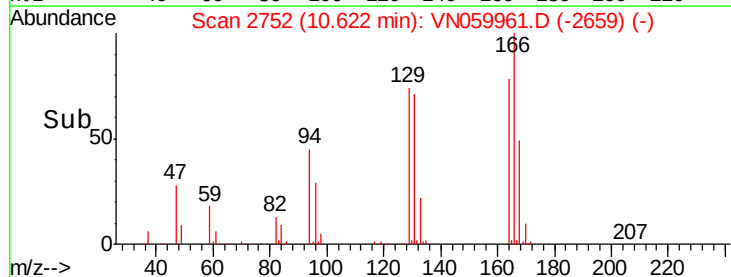
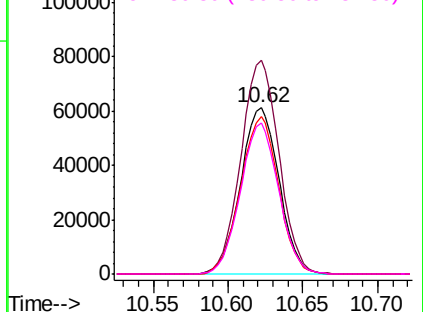


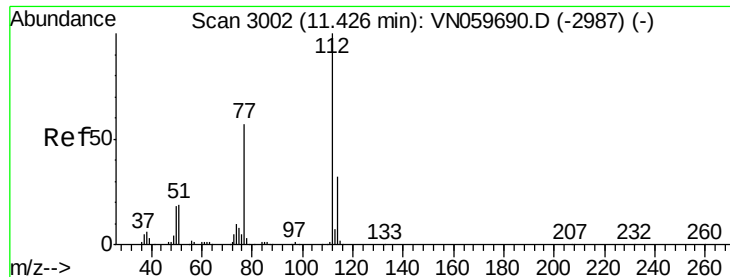
#64
Tetrachloroethene
Concen: 49.894 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion:164 Resp: 109542
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.0
129 94.8 80.2 120.4
131 90.7 75.0 112.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

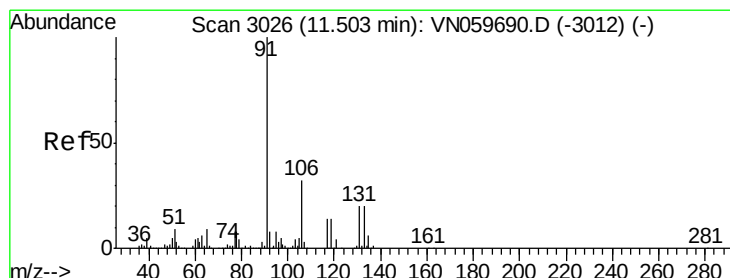
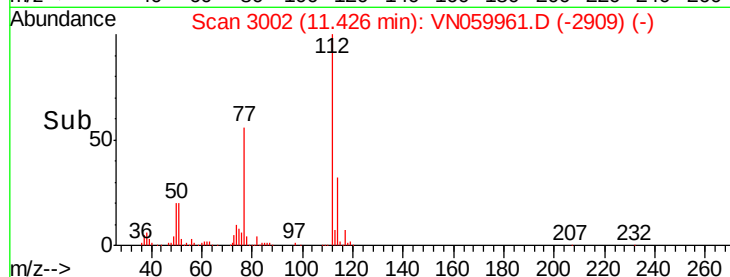
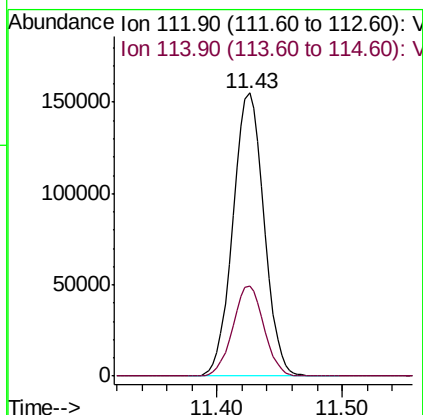
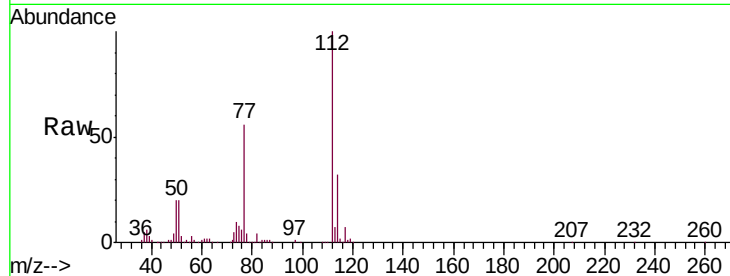




#65
Chlorobenzene
Concen: 50.473 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

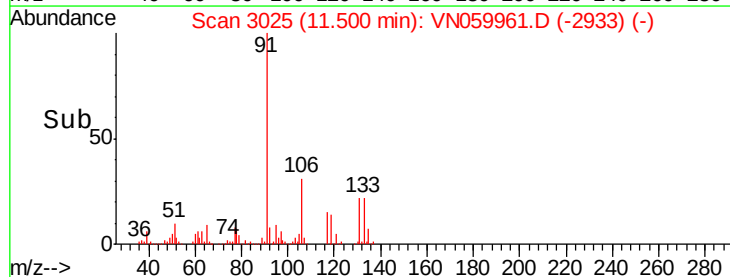
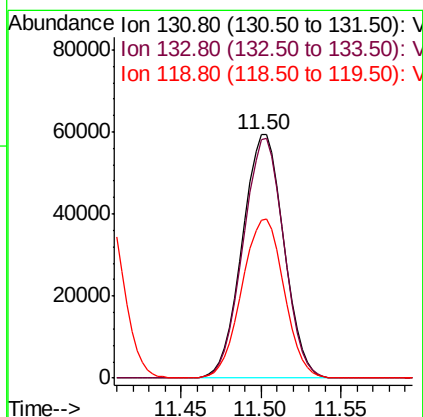
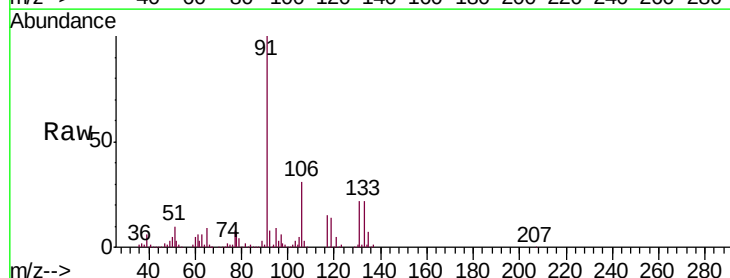
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

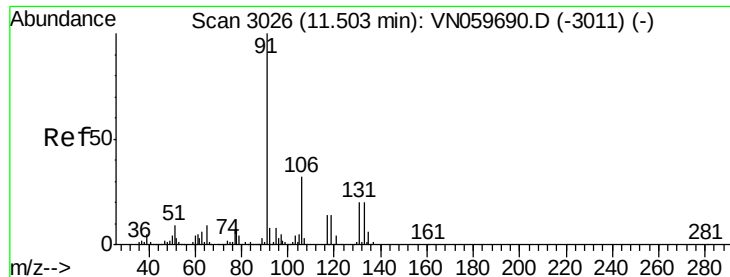
Tgt Ion:112 Resp: 267248
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.445 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion:131 Resp: 105253
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 66.3 33.1 99.3

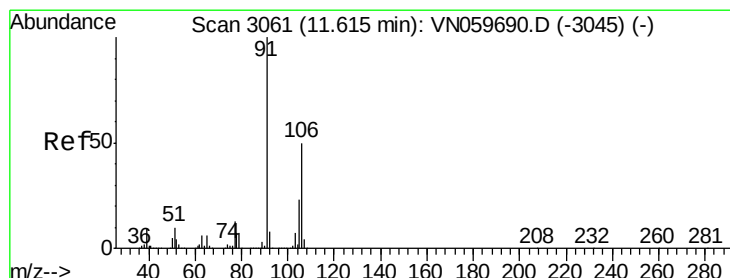
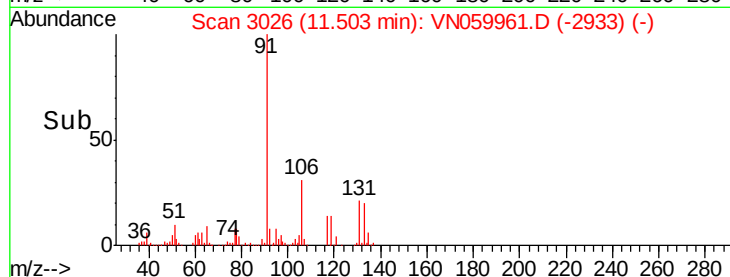
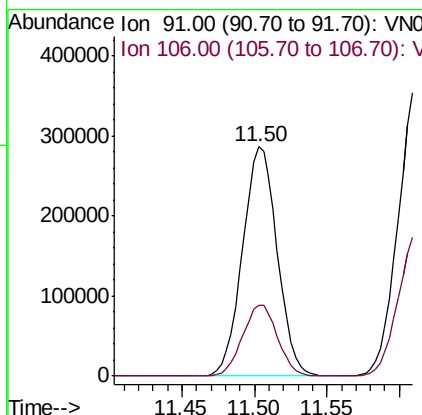
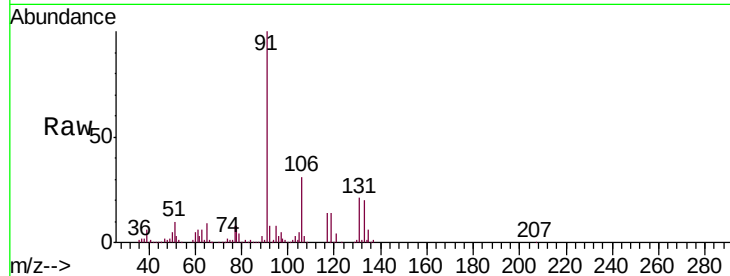




#67
Ethyl Benzene
Concen: 49.594 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

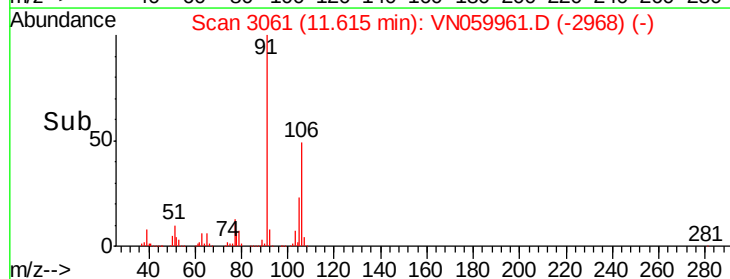
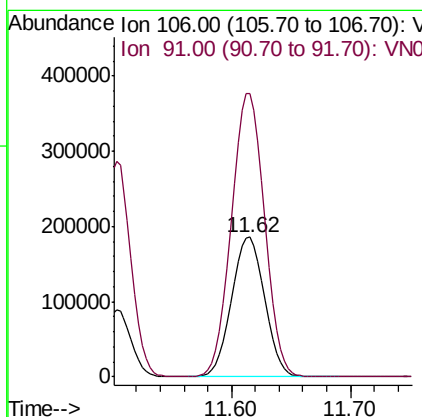
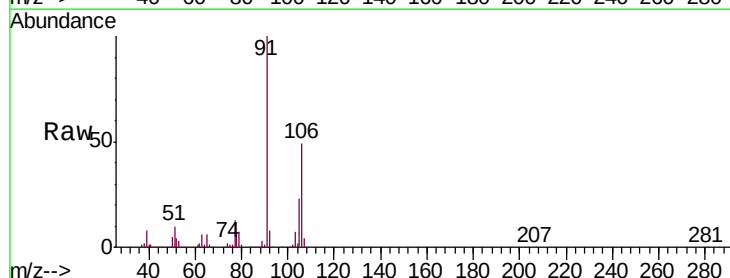
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

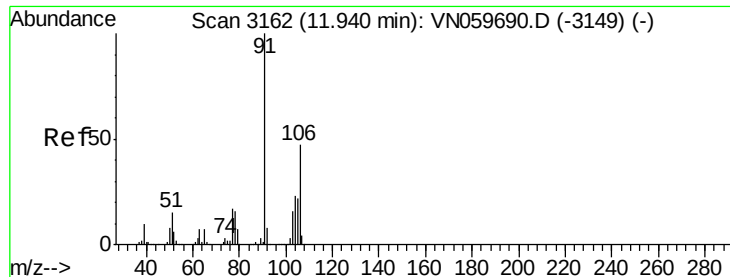
Tgt Ion: 91 Resp: 476689
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1



#68
m/p-Xylenes
Concen: 98.842 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 106 Resp: 358874
Ion Ratio Lower Upper
106 100
91 202.1 167.9 251.9

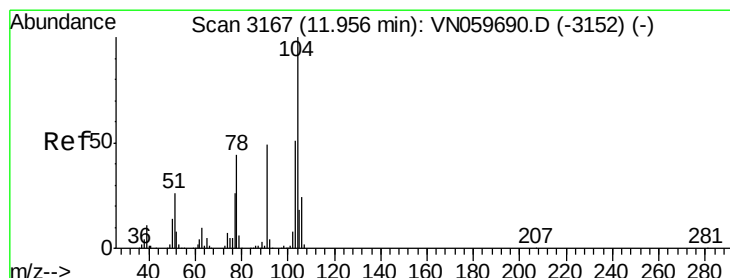
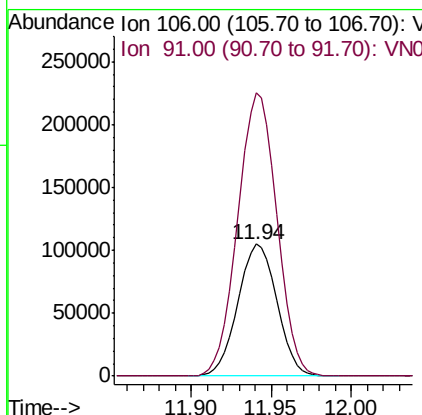
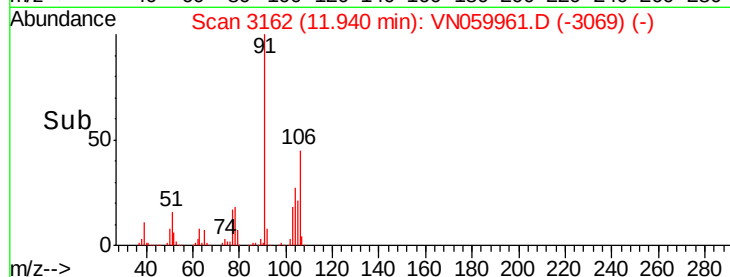
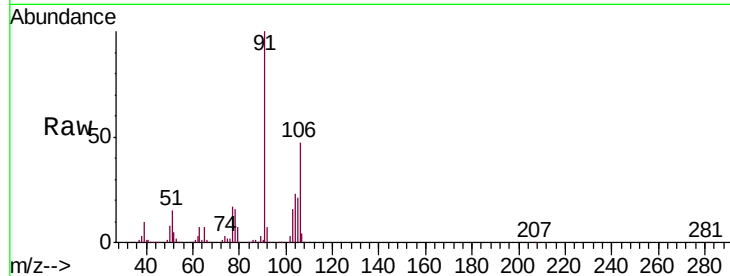




#69
o-Xylene
Concen: 49.277 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

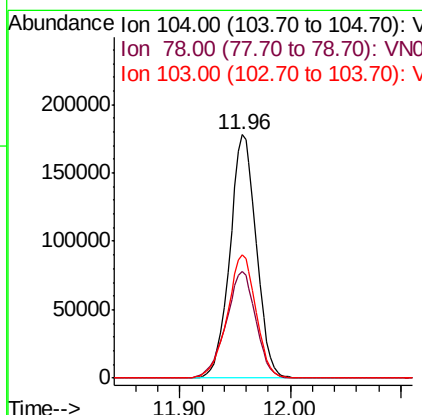
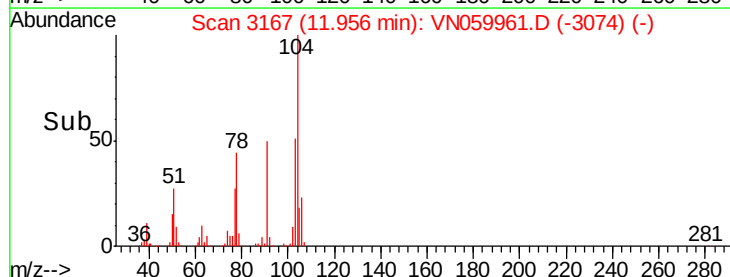
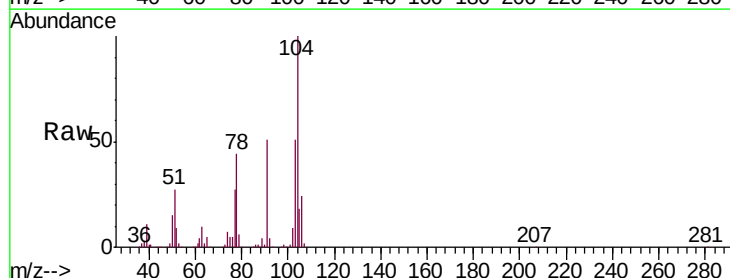
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

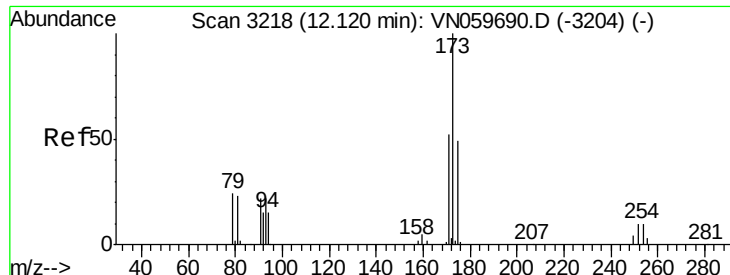
Tgt Ion:106 Resp: 175158
Ion Ratio Lower Upper
106 100
91 214.6 110.3 330.9



#70
Styrene
Concen: 49.744 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion:104 Resp: 295879
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 54.7 43.9 65.9

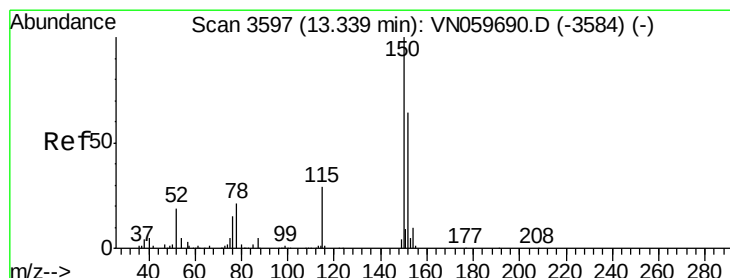
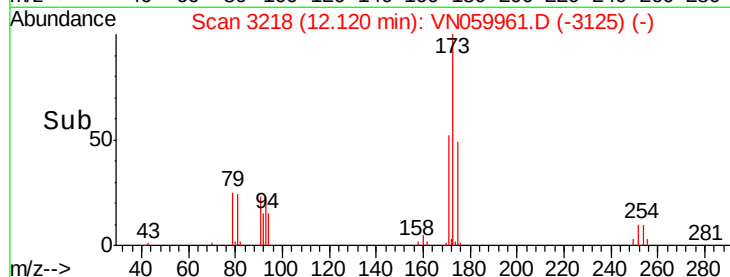
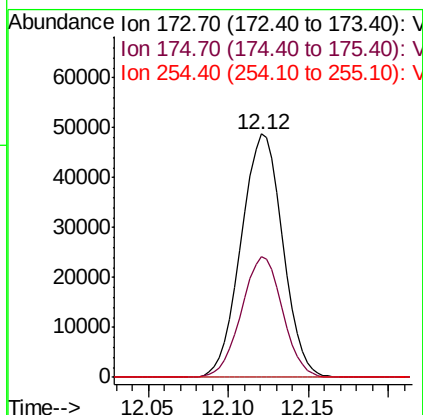
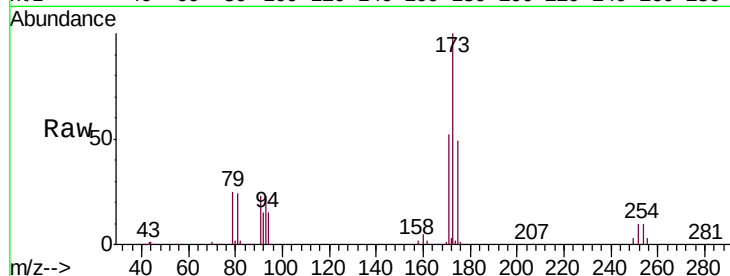




#71
Bromoform
Concen: 52.863 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

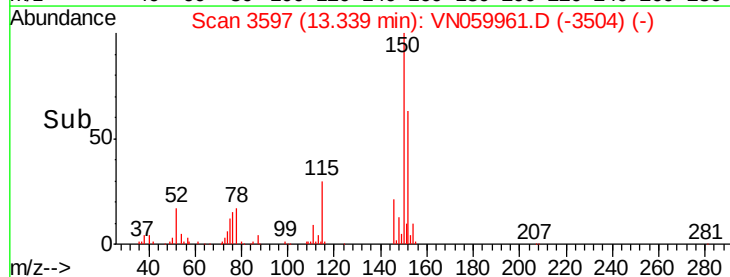
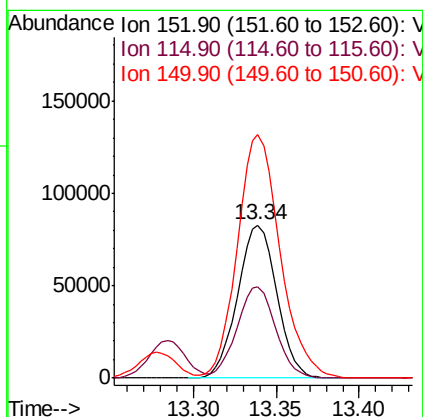
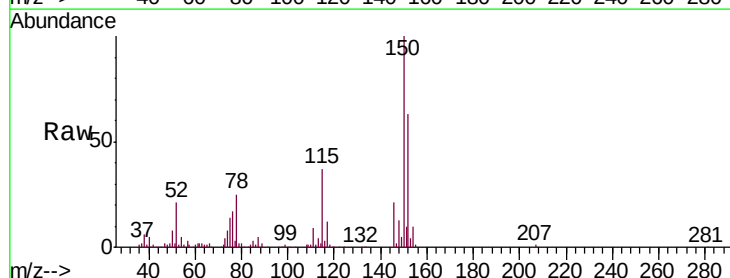
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

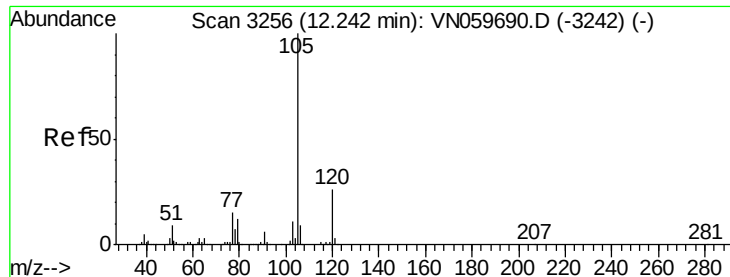
Tgt Ion:173 Resp: 86632
Ion Ratio Lower Upper
173 100
175 48.8 23.8 71.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion:152 Resp: 136456
Ion Ratio Lower Upper
152 100
115 59.2 30.3 90.9
150 173.0 0.0 345.2





#73

Isopropylbenzene

Concen: 47.778 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

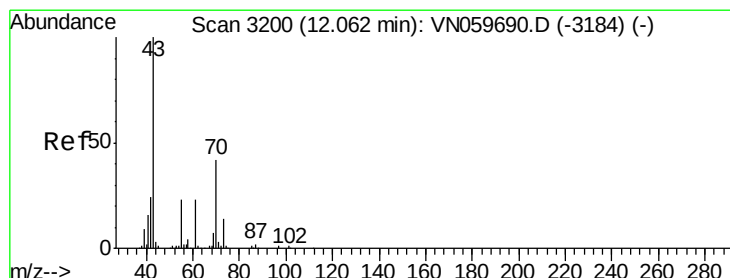
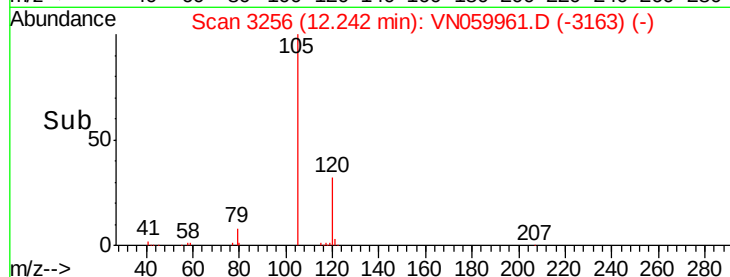
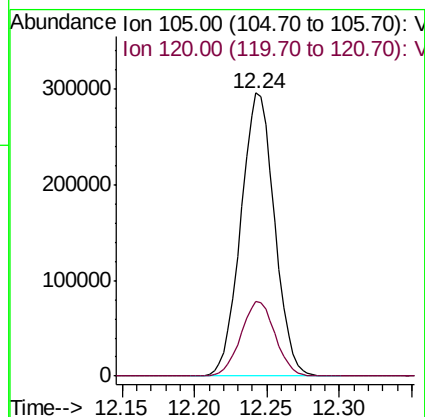
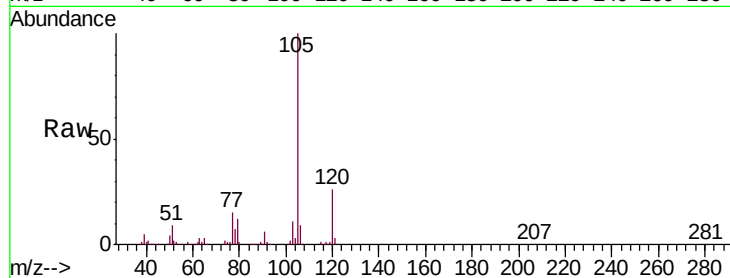
VSTDCCC050EC

Tgt Ion: 105 Resp: 478145

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.5



#74

N-ethyl acetate

Concen: 46.915 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Tgt Ion: 43 Resp: 182183

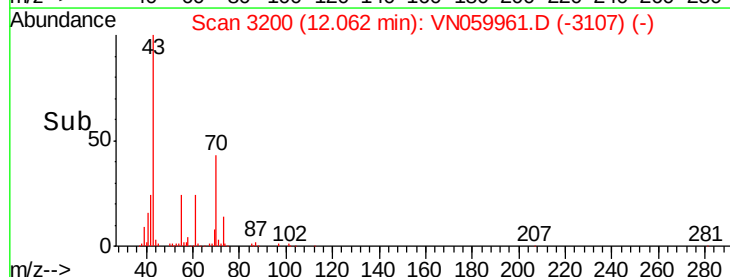
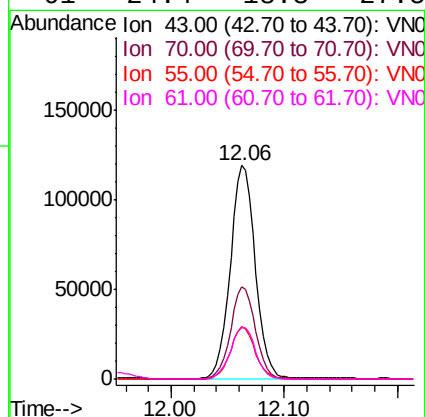
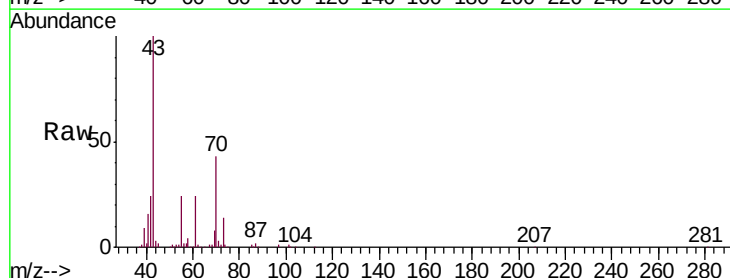
Ion Ratio Lower Upper

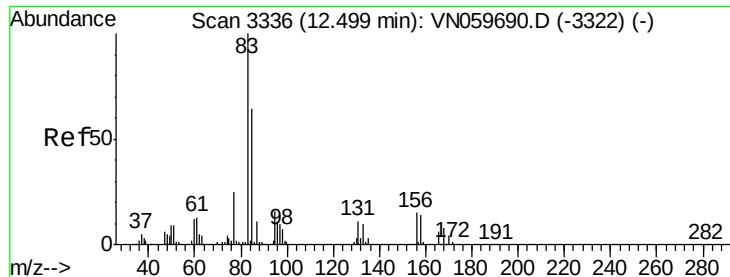
43 100

70 43.0 31.3 46.9

55 24.1 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.611 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

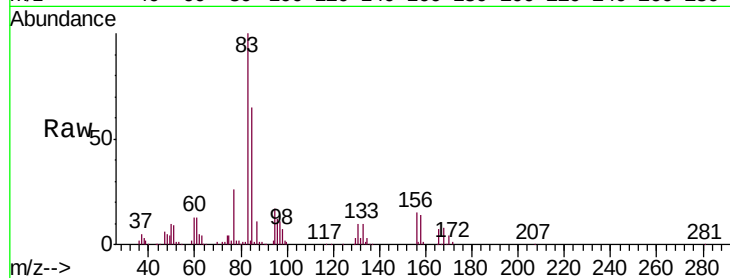
Tgt Ion: 83 Resp: 143933

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

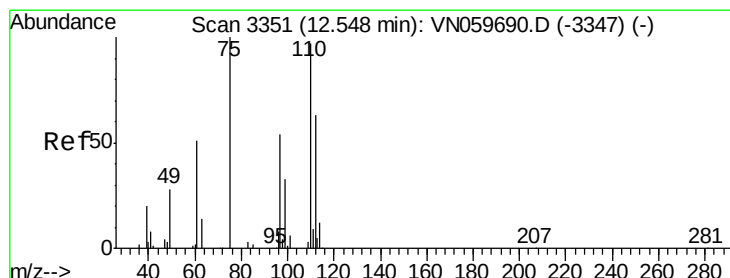
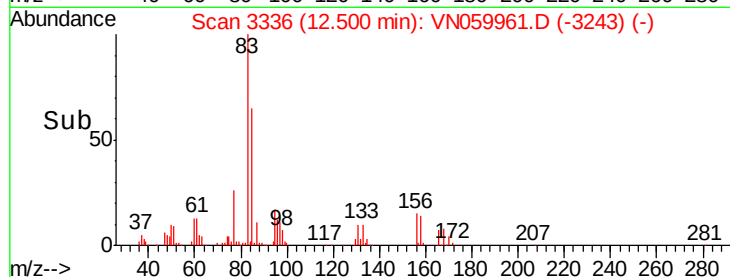
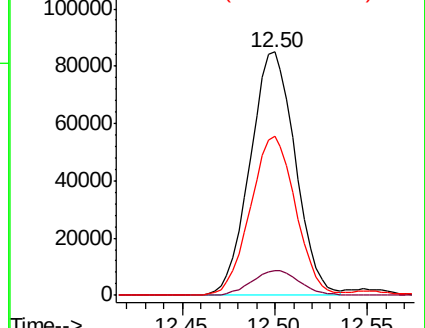
85 65.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059961.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059961.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059961.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 83.046 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059961.D

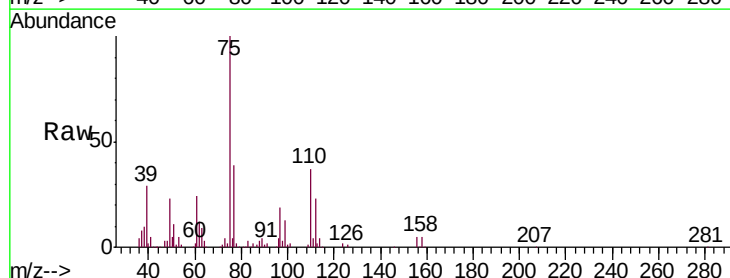
Acq: 31 Jan 2020 20:14

Tgt Ion: 75 Resp: 190709

Ion Ratio Lower Upper

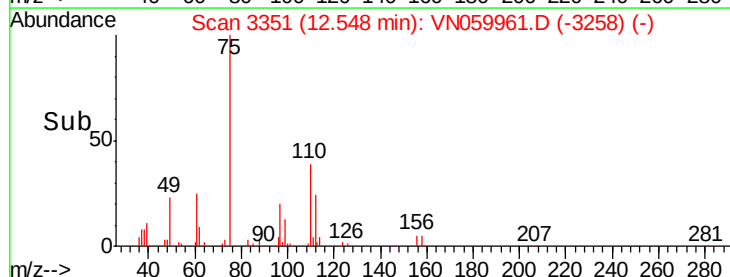
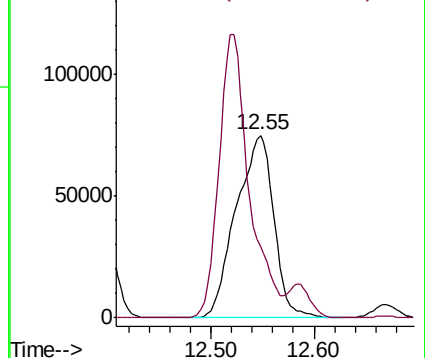
75 100

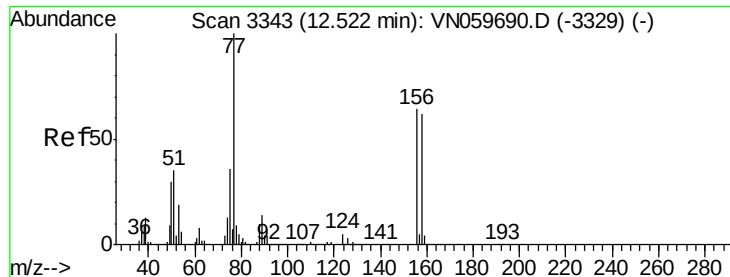
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059961.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059961.D (-3347) (-)





#77

Bromobenzene

Concen: 48.171 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

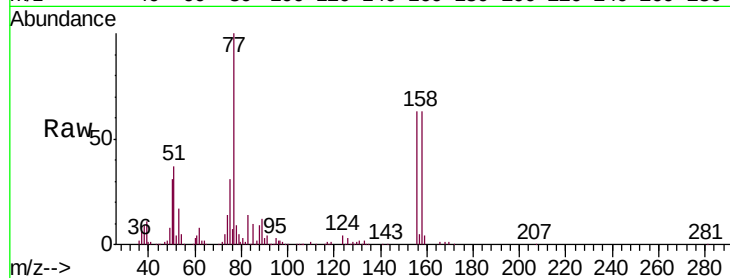
Tgt Ion:156 Resp: 122081

Ion Ratio Lower Upper

156 100

77 194.7 115.8 347.4

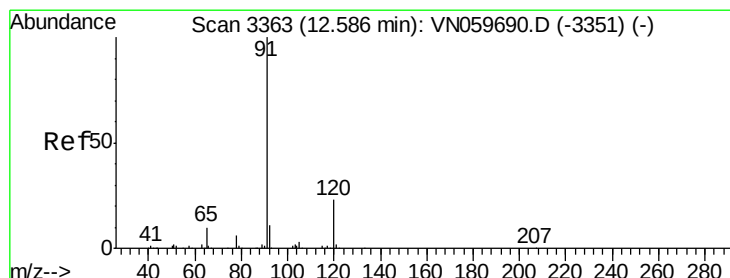
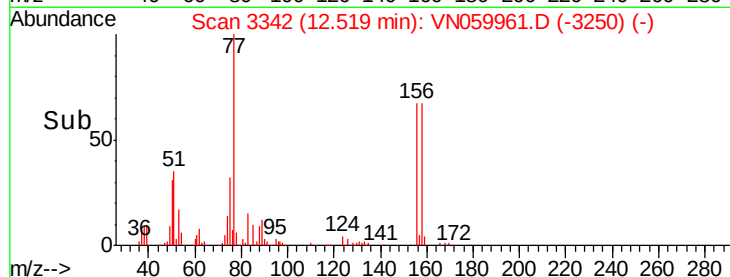
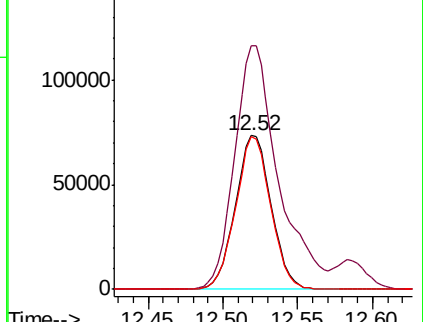
158 97.3 49.2 147.6



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: 48.222 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059961.D

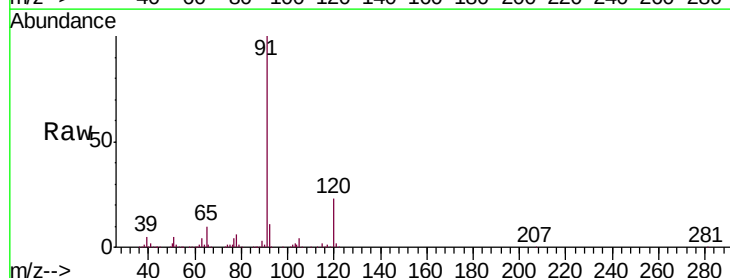
Acq: 31 Jan 2020 20:14

Tgt Ion: 91 Resp: 541656

Ion Ratio Lower Upper

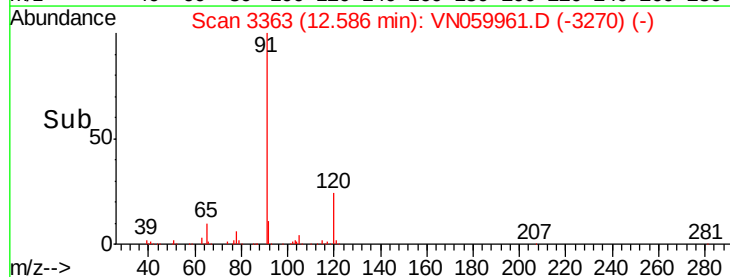
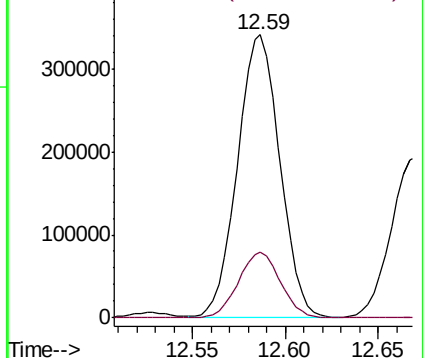
91 100

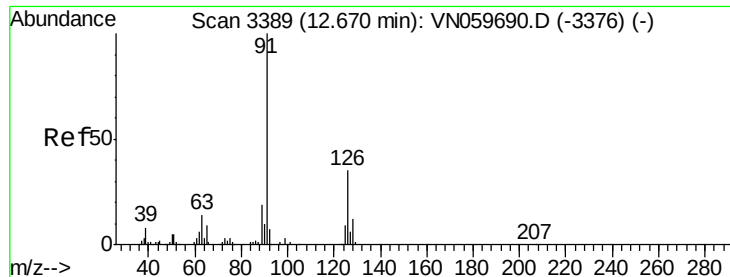
120 23.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

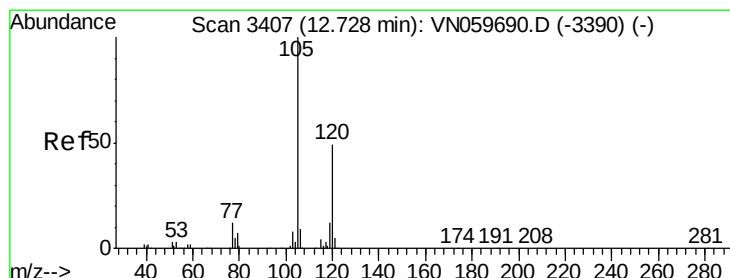
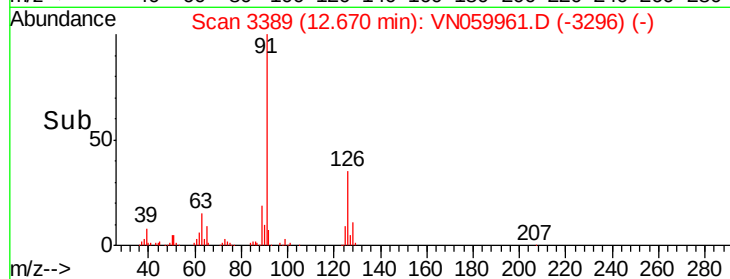
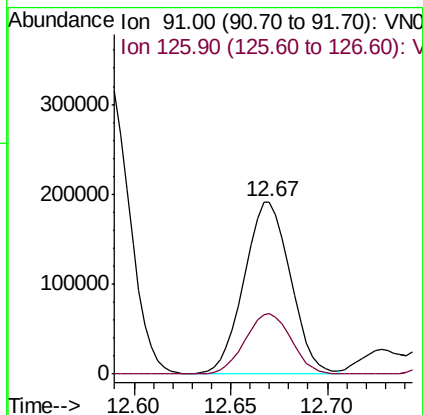
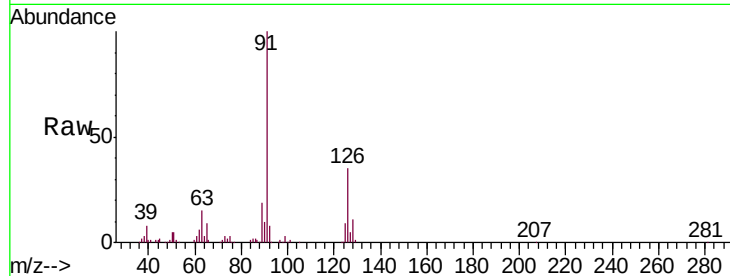




#79
 2-Chlorotoluene
 Concen: 48.097 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

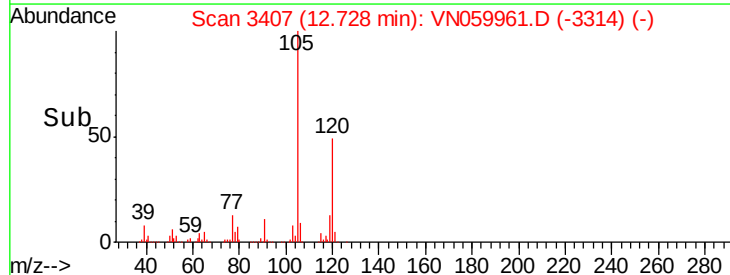
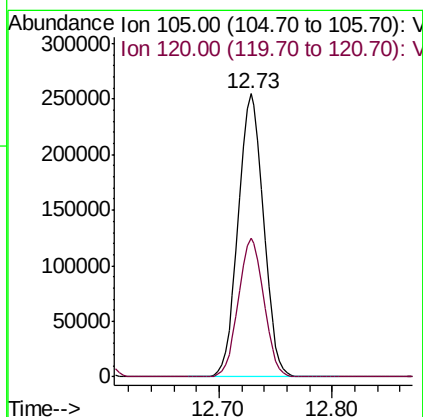
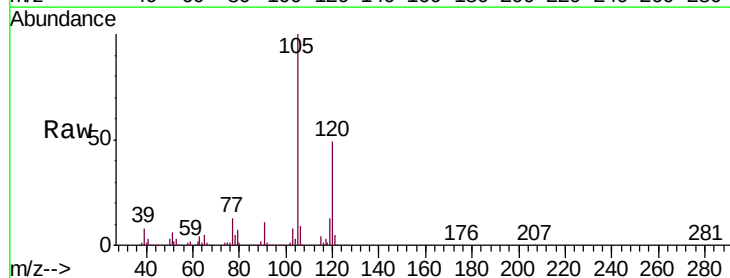
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

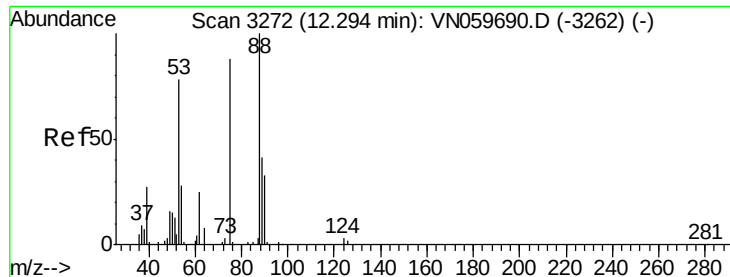
Tgt Ion: 91 Resp: 321397
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 47.470 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion: 105 Resp: 399526
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.4

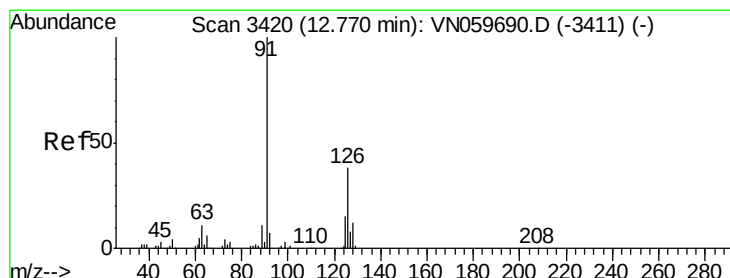
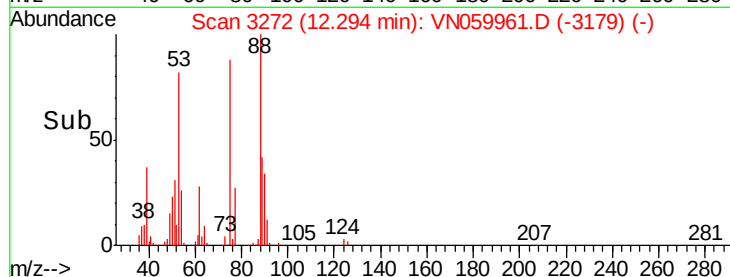
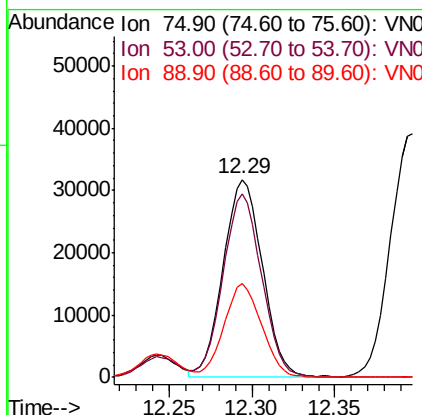
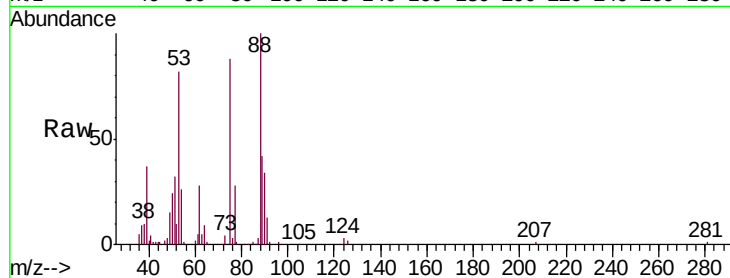




#81
trans-1,4-Dichloro-2-butene
Concen: 49.090 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

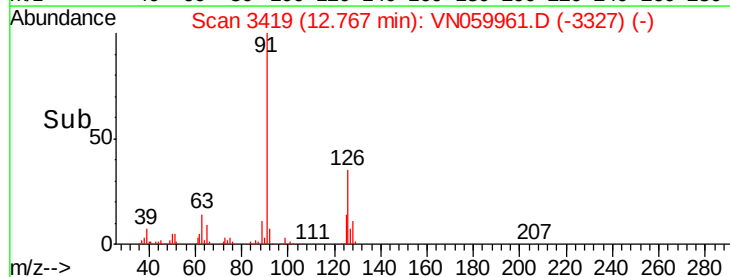
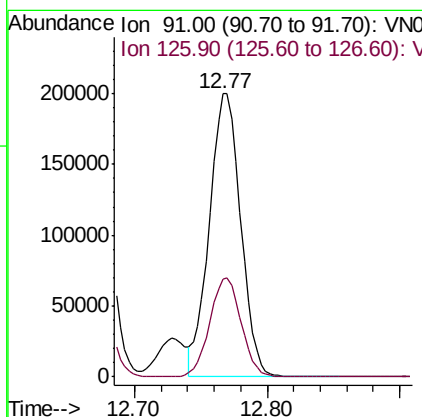
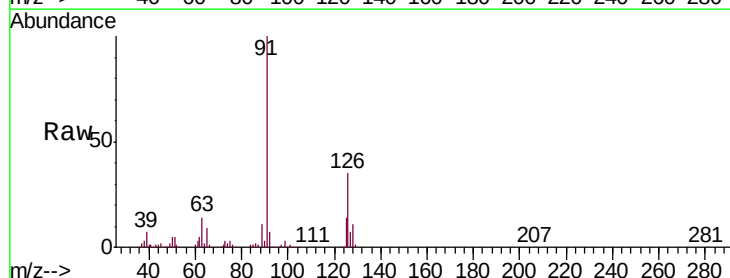
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

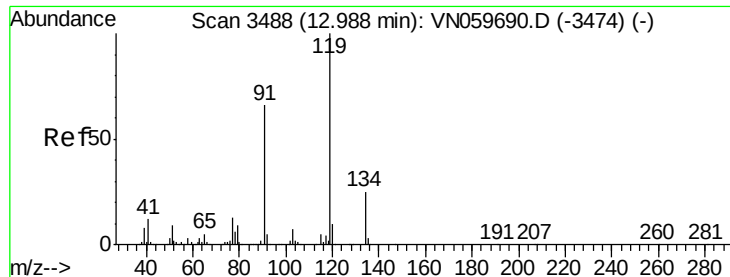
Tgt Ion: 75 Resp: 52494
Ion Ratio Lower Upper
75 100
53 91.2 78.1 117.1
89 45.1 35.4 53.2



#82
4-Chlorotoluene
Concen: 48.815 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 91 Resp: 327179
Ion Ratio Lower Upper
91 100
126 35.0 16.3 48.8

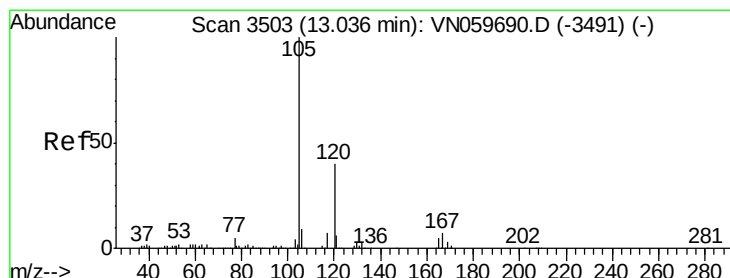
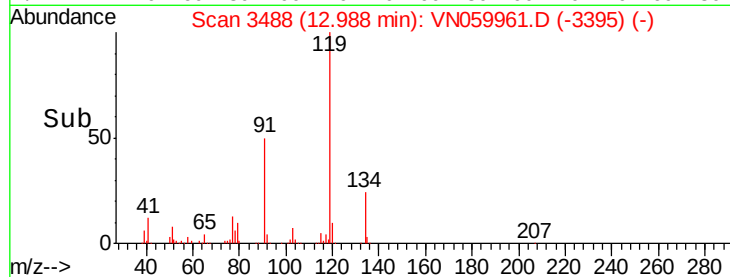
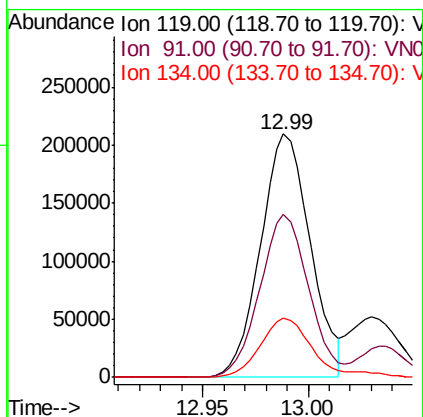
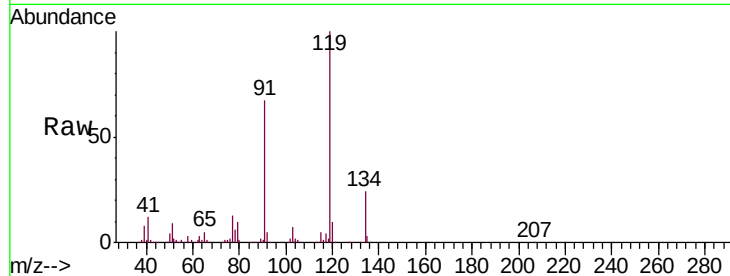




#83
 tert-Butylbenzene
 Concen: 47.349 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

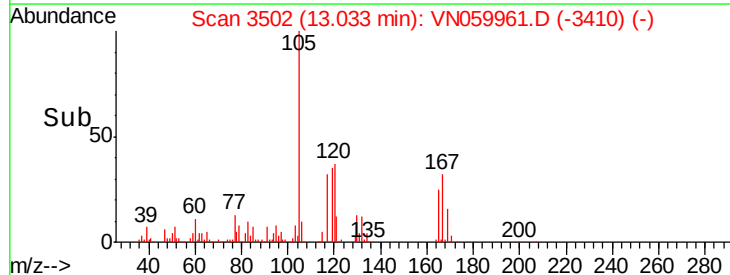
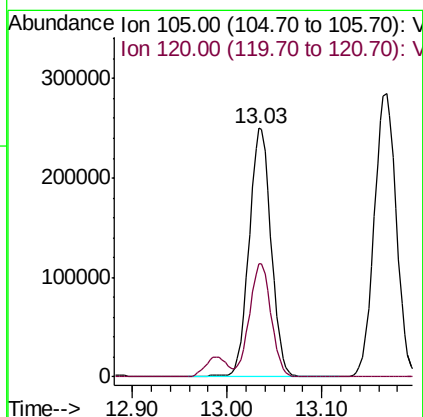
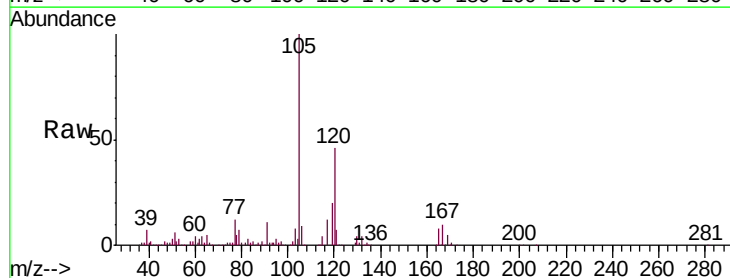
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

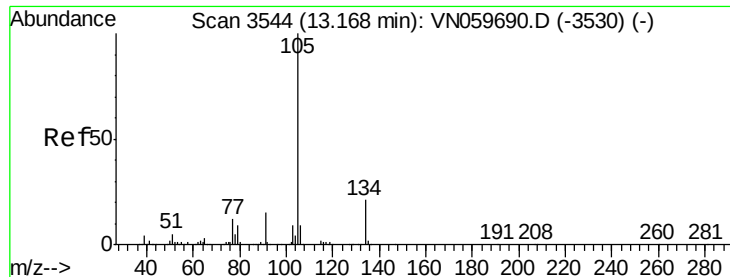
Tgt Ion:119 Resp: 344658
 Ion Ratio Lower Upper
 119 100
 91 65.7 34.8 104.4
 134 25.7 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 48.453 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion:105 Resp: 403444
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 48.192 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

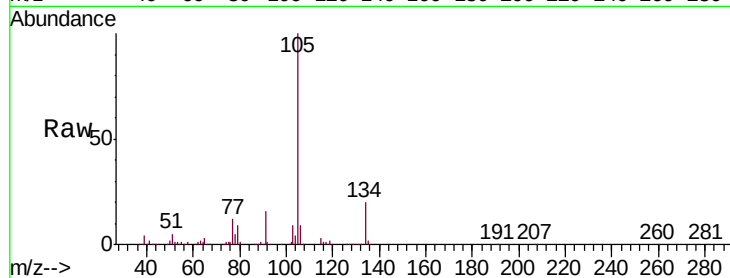
VSTDCCC050EC

Tgt Ion:105 Resp: 460895

Ion Ratio Lower Upper

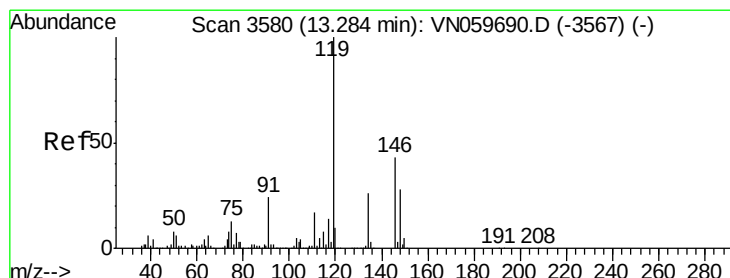
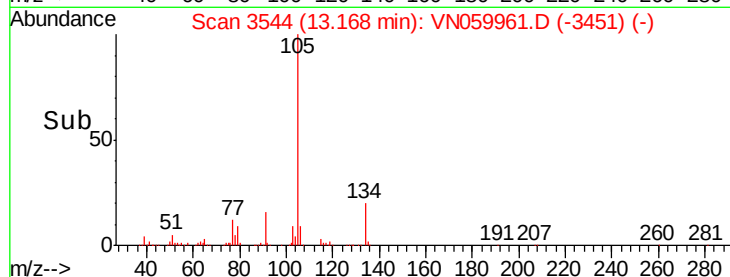
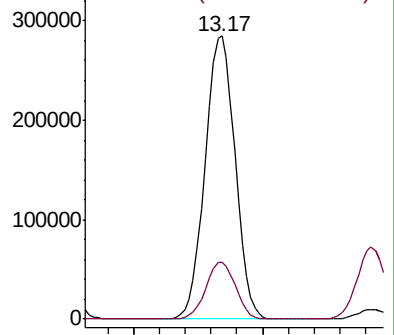
105 100

134 19.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.614 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059961.D

Acq: 31 Jan 2020 20:14

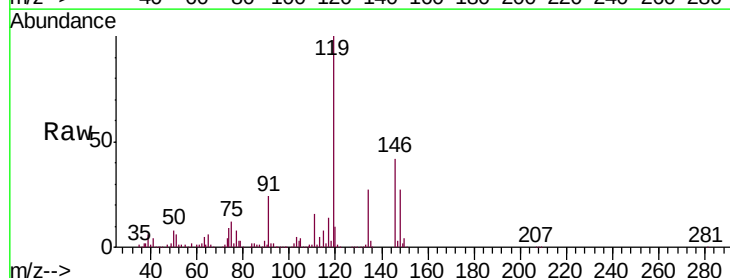
Tgt Ion:119 Resp: 421344

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

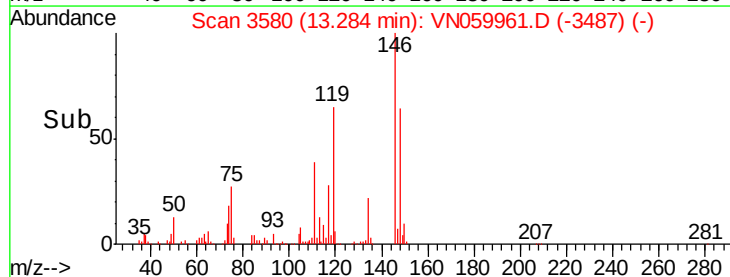
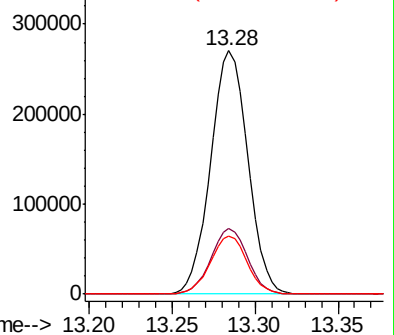
91 23.7 12.4 37.4

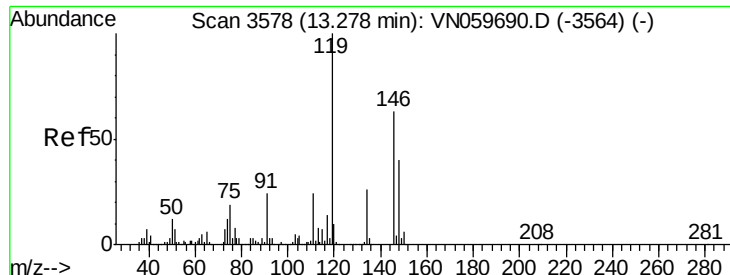


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

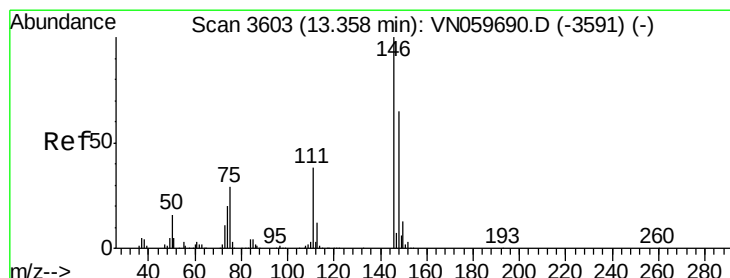
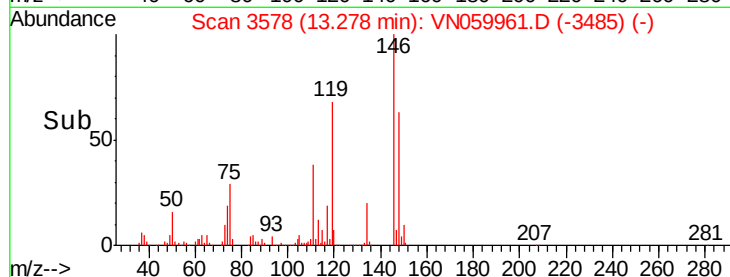
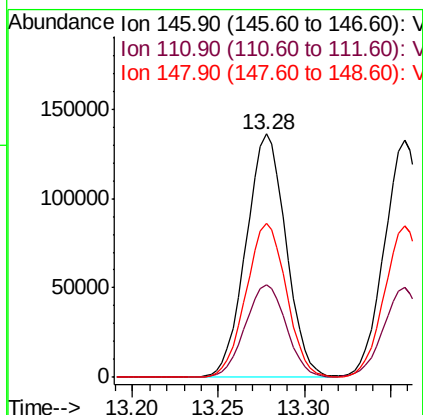
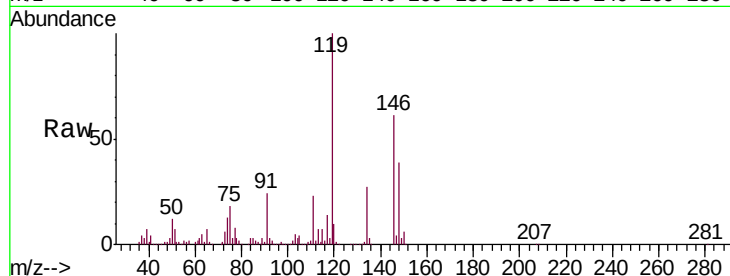




#87
 1,3-Dichlorobenzene
 Concen: 49.781 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

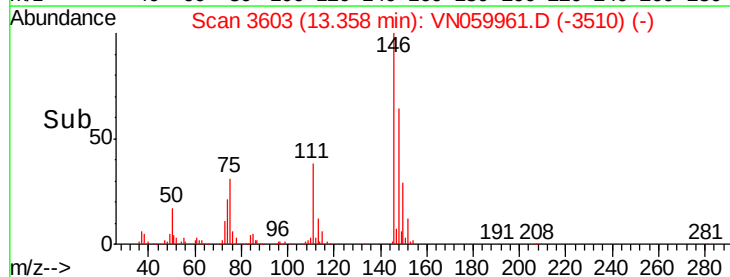
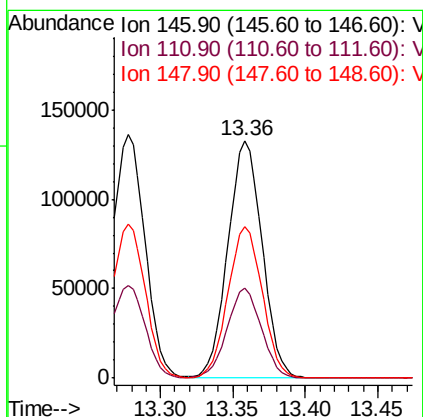
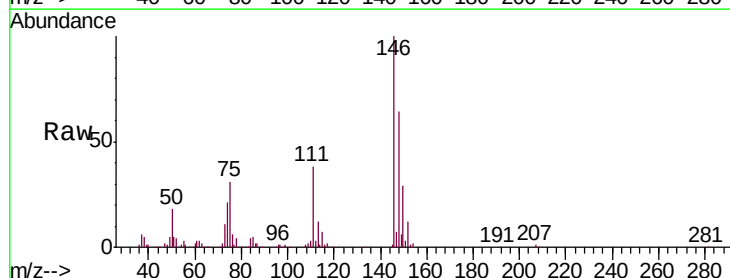
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

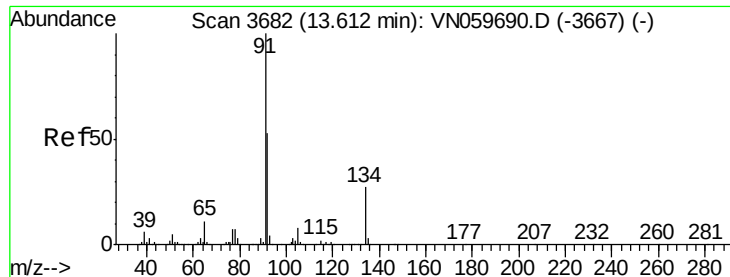
Tgt Ion:146 Resp: 219147
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.8 62.2
 148 63.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.678 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion:146 Resp: 218170
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.8 62.2
 148 64.1 31.8 95.4

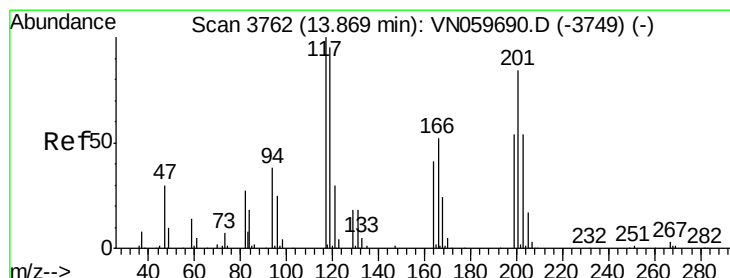
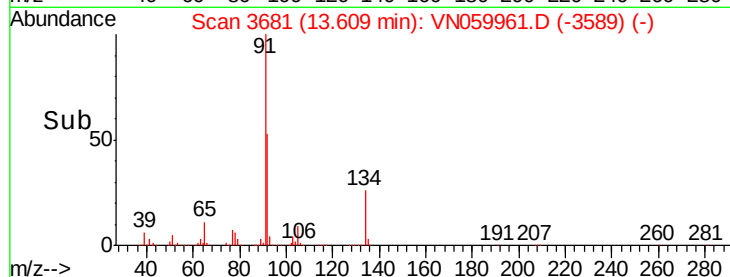
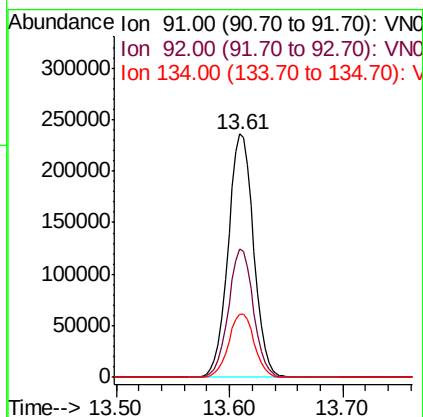
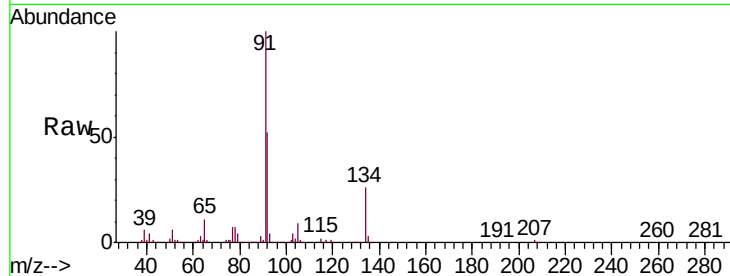




#89
n-Butylbenzene
Concen: 48.810 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

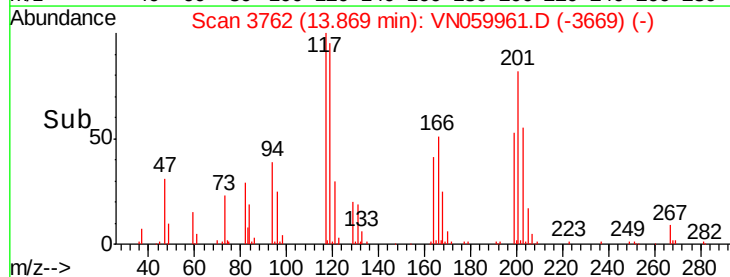
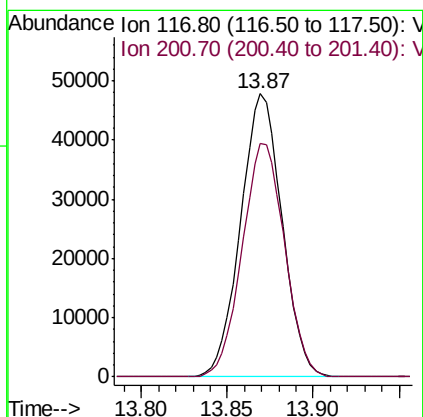
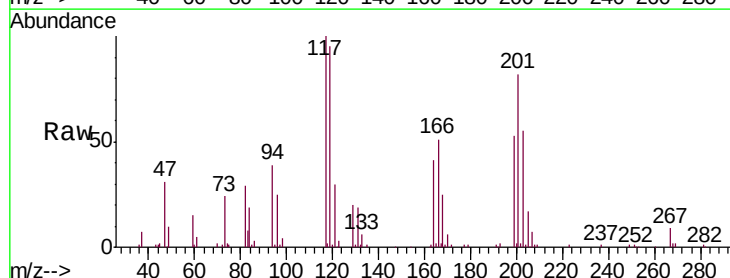
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

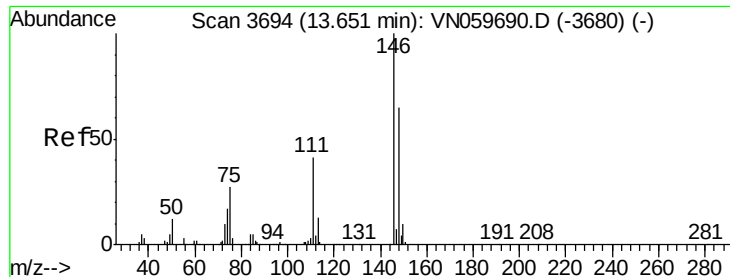
Tgt Ion: 91 Resp: 368280
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.7
134 26.4 12.3 36.8



#90
Hexachloroethane
Concen: 48.230 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion: 117 Resp: 79854
Ion Ratio Lower Upper
117 100
201 84.3 37.8 113.4

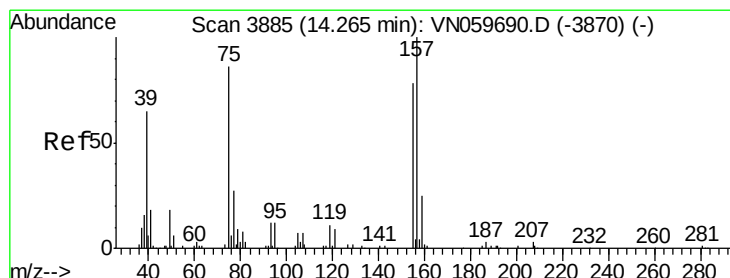
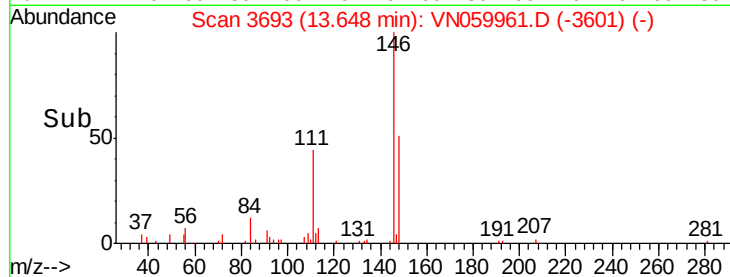
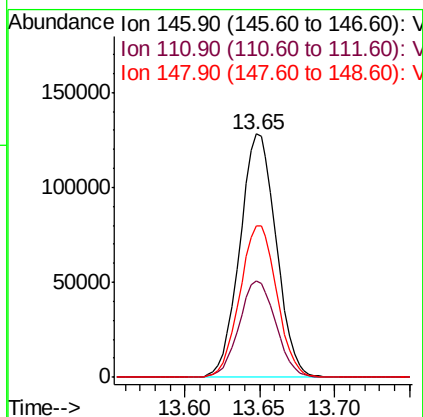
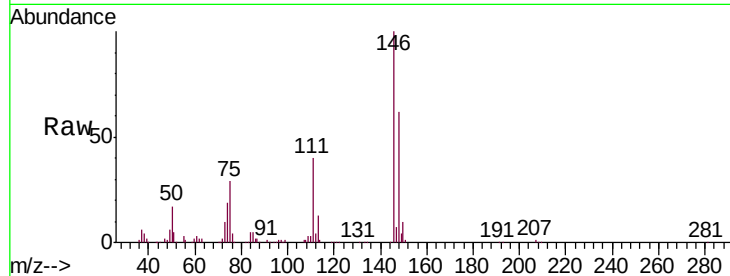




#91
 1,2-Dichlorobenzene
 Concen: 49.760 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

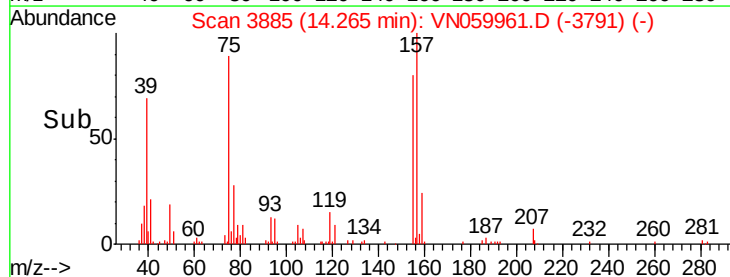
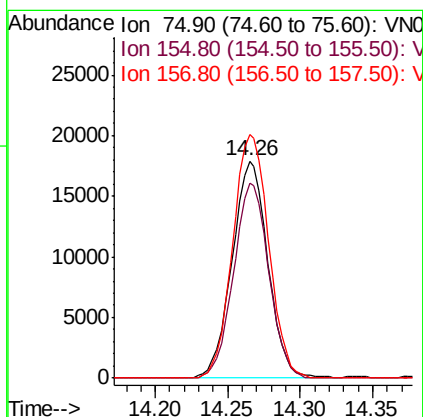
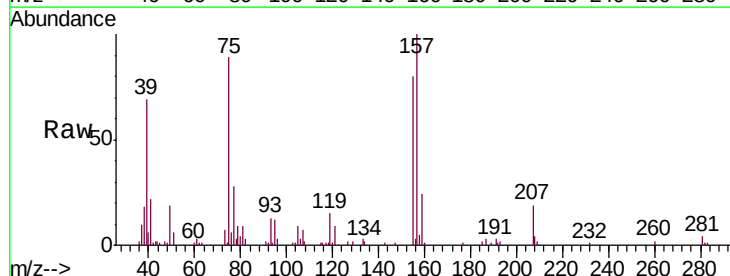
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

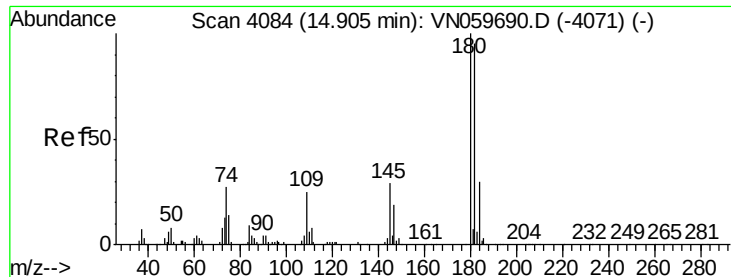
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.6	64.8
148	63.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.133 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	37.0	110.9
157	112.5	48.4	145.2

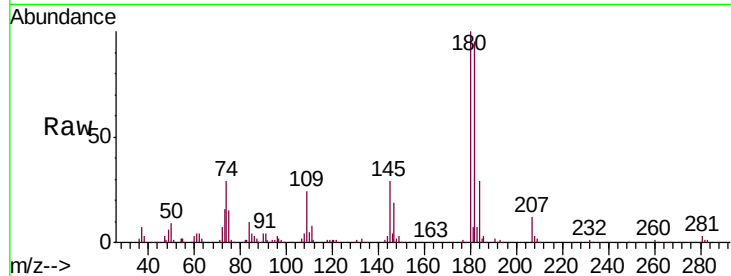




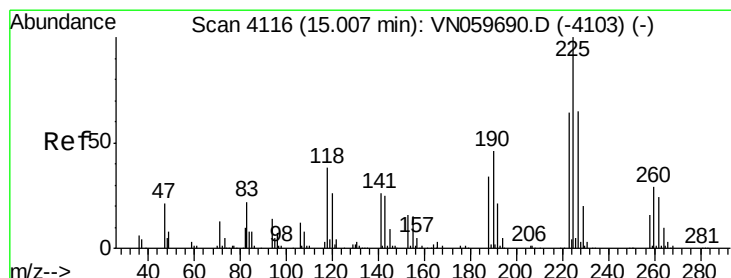
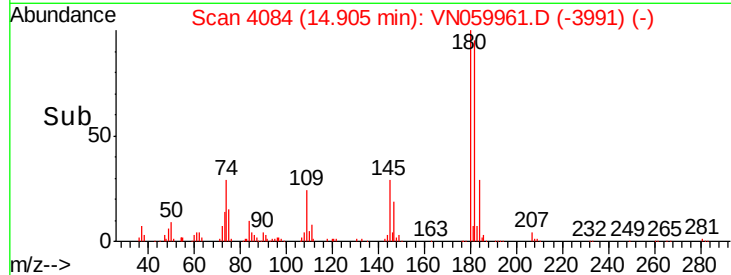
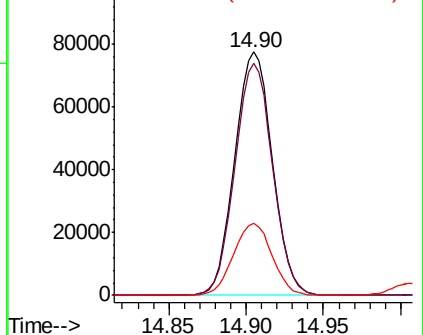
#93
 1,2,4-Trichlorobenzene
 Concen: 50.177 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 131218
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.7
 145 30.1 15.0 45.1

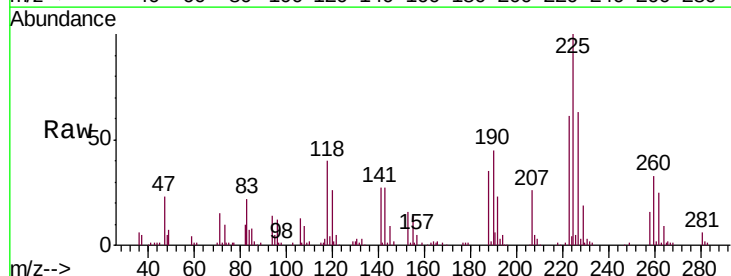


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

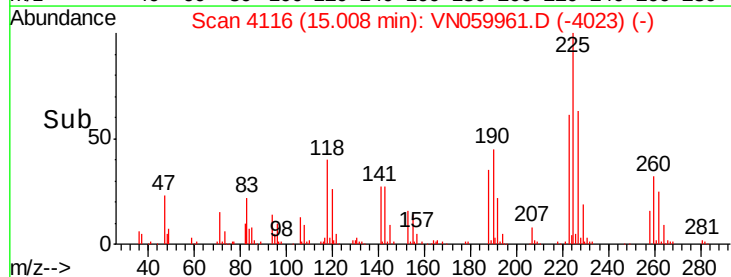
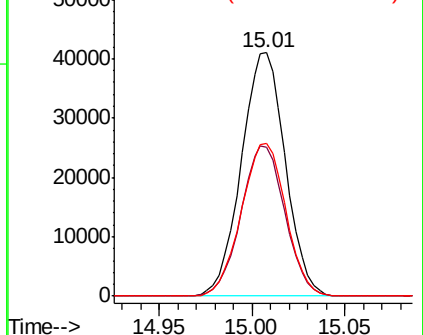


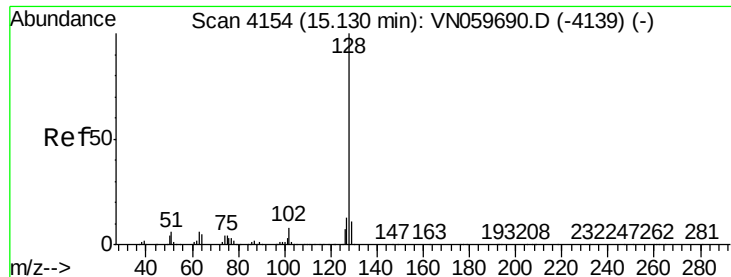
#94
 Hexachlorobutadiene
 Concen: 46.964 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059961.D
 Acq: 31 Jan 2020 20:14

Tgt Ion:225 Resp: 67679
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.8 95.3
 227 63.5 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

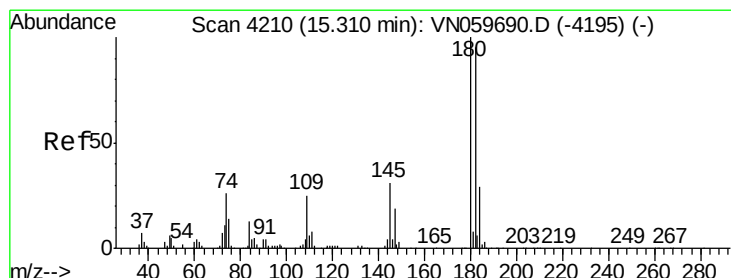
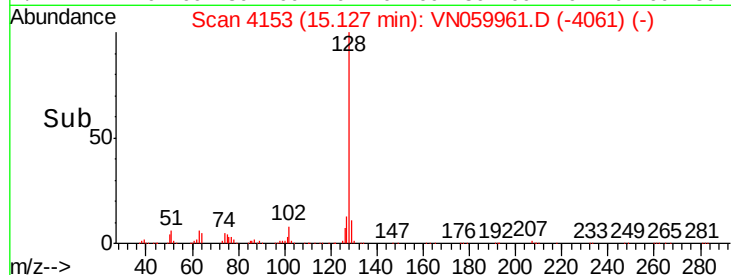
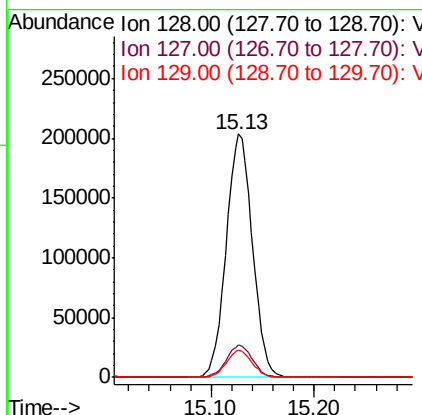
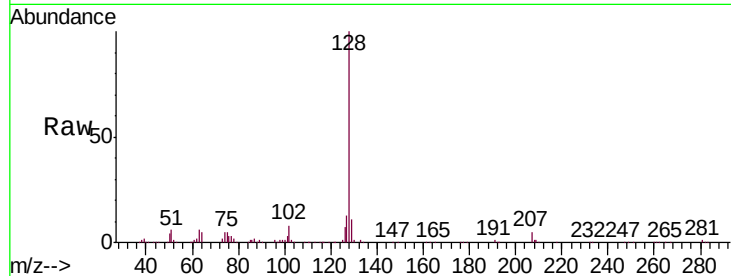




#95
Naphthalene
Concen: 48.379 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 359858
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.935 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059961.D
Acq: 31 Jan 2020 20:14

Tgt Ion:180 Resp: 127106
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.3
145 32.3 16.3 48.9

