

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN060004.D
 Acq On : 4 Feb 2020 18:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 05 01:26:07 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	184444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109692	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.57	113	90479	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.08	98	338655	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	133404	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89224	40.936	ug/l	97
3) Chloromethane	2.04	50	94283	44.649	ug/l	98
4) Vinyl Chloride	2.17	62	122438	50.676	ug/l	99
5) Bromomethane	2.53	94	71202	48.290	ug/l	100
6) Chloroethane	2.68	64	57247	50.082	ug/l	99
7) Trichlorofluoromethane	3.00	101	143286	49.382	ug/l	100
8) Diethyl Ether	3.39	74	53251	52.295	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82734	51.231	ug/l	93
10) Methyl Iodide	3.93	142	113226	43.376	ug/l	96
11) Tert butyl alcohol	4.73	59	88984	258.059	ug/l	99
12) 1,1-Dichloroethene	3.72	96	82076	48.639	ug/l	89
13) Acrolein	3.58	56	62382	255.569	ug/l	98
14) Allyl chloride	4.30	41	117619	51.712	ug/l #	85
15) Acrylonitrile	4.95	53	225393	286.555	ug/l	99
16) Acetone	3.78	43	190475	273.591	ug/l	95
17) Carbon Disulfide	4.03	76	192022	39.946	ug/l	98
18) Methyl Acetate	4.29	43	135635	56.691	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	298262	54.211	ug/l	96
20) Methylene Chloride	4.53	84	93476	50.453	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	86323	48.124	ug/l	90
22) Diisopropyl ether	5.92	45	282799	54.865	ug/l	97
23) Vinyl Acetate	5.86	43	1107358	277.478	ug/l	95
24) 1,1-Dichloroethane	5.82	63	165970	52.697	ug/l	98
25) 2-Butanone	6.80	43	294822	254.171	ug/l	93
26) 2,2-Dichloropropane	6.80	77	154635	51.071	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108513	52.596	ug/l	90
28) Bromochloromethane	7.17	49	69336	55.081	ug/l #	79
29) Tetrahydrofuran	7.18	42	194600	271.153	ug/l	90
30) Chloroform	7.35	83	180601	55.344	ug/l	99
31) Cyclohexane	7.63	56	133970	44.206	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	162078	53.717	ug/l	96
36) 1,1-Dichloropropene	7.77	75	124497	48.355	ug/l	95
37) Ethyl Acetate	6.90	43	125218	51.855	ug/l	98
38) Carbon Tetrachloride	7.75	117	139226	49.712	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	141716	44.641	ug/l	92
40) Benzene	8.02	78	379698	49.450	ug/l	100
41) Methacrylonitrile	7.18	41	181377	152.493	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	139110	53.434	ug/l	96
43) Isopropyl Acetate	8.14	43	216100	52.028	ug/l #	95
44) Trichloroethene	8.82	130	102395	48.849	ug/l	96
45) 1,2-Dichloropropane	9.10	63	100575	52.933	ug/l	100
46) Dibromomethane	9.19	93	71863	53.617	ug/l	93
47) Bromodichloromethane	9.39	83	146202	54.130	ug/l	99
48) Methyl methacrylate	9.18	41	95747	51.536	ug/l	90
49) 1,4-Dioxane	9.18	88	36253	1065.930	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	646997	269.468	ug/l	96
52) Toluene	10.14	92	245083	50.532	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	163747	54.296	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170943	53.871	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	104013	54.148	ug/l	96
56) Ethyl methacrylate	10.42	69	154135	52.513	ug/l	93
57) 1,3-Dichloropropane	10.70	76	166901	54.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	257883	291.697	ug/l	93
59) 2-Hexanone	10.74	43	471343	266.470	ug/l	95
60) Dibromochloromethane	10.89	129	119808	54.770	ug/l	99
61) 1,2-Dibromoethane	11.00	107	107193	53.241	ug/l	99
64) Tetrachloroethene	10.62	164	89353	39.469	ug/l	96
65) Chlorobenzene	11.43	112	274247	50.231	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	110533	52.395	ug/l	99
67) Ethyl Benzene	11.51	91	488040	49.242	ug/l	97
68) m/p-Xylenes	11.62	106	368839	98.519	ug/l	95
69) o-Xylene	11.94	106	178435	48.683	ug/l	97
70) Styrene	11.96	104	303078	49.416	ug/l	98
71) Bromoform	12.12	173	91200	53.969	ug/l #	98
73) Isopropylbenzene	12.25	105	491178	47.383	ug/l	100
74) N-amyl acetate	12.07	43	197443	49.086	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	158489	52.739	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204073	85.792	ug/l #	100
77) Bromobenzene	12.52	156	124850	47.560	ug/l	86
78) n-propylbenzene	12.59	91	553580	47.579	ug/l	98
79) 2-Chlorotoluene	12.67	91	330154	47.699	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	407392	46.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56590	51.090	ug/l	95
82) 4-Chlorotoluene	12.77	91	342897	49.391	ug/l	97
83) tert-Butylbenzene	12.99	119	357027	47.351	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	413376	47.929	ug/l	99
85) sec-Butylbenzene	13.17	105	471837	47.630	ug/l	99
86) p-Isopropyltoluene	13.29	119	430182	46.931	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	226077	49.579	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	223969	49.235	ug/l	98
89) n-Butylbenzene	13.61	91	378309	48.405	ug/l	98
90) Hexachloroethane	13.87	117	81761	47.674	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	220880	48.997	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32529	50.450	ug/l	84

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136569	50.417	ug/l	99
94) Hexachlorobutadiene	15.01	225	67966	45.532	ug/l	99
95) Naphthalene	15.13	128	383040	49.714	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132318	50.184	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

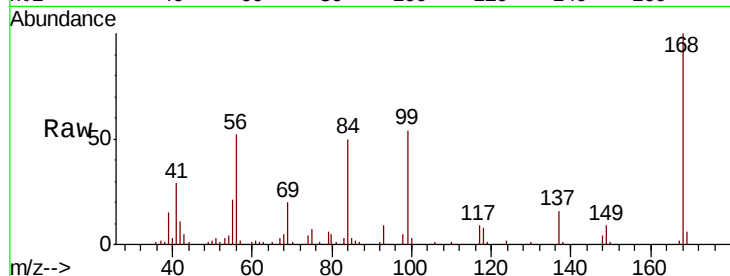
VSTDCCC050EC

Tot Ion:168 Resp: 184444

Ion Ratio Lower Upper

168 100

99 53.8 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

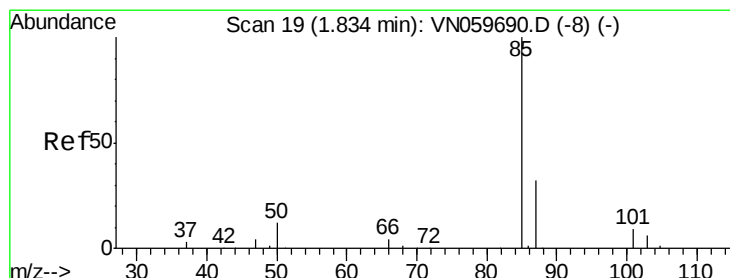
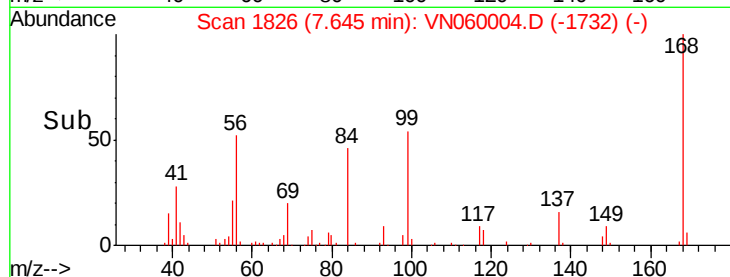
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060004.D

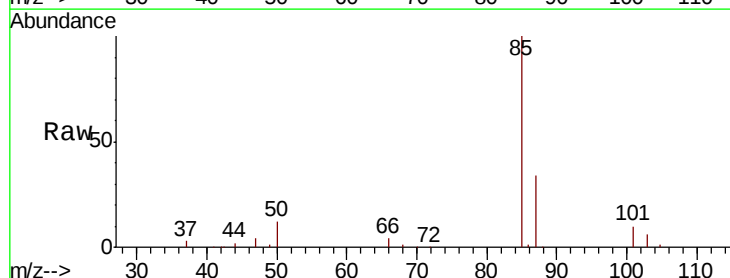
Acq: 4 Feb 2020 18:58

Tgt Ion: 85 Resp: 89224

Ion Ratio Lower Upper

85 100

87 33.6 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

60000

40000

20000

0

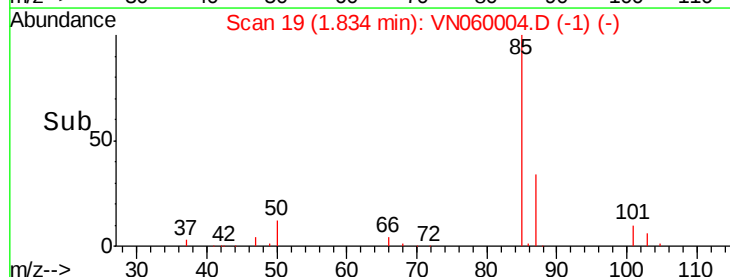
1.75

1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 44.649 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

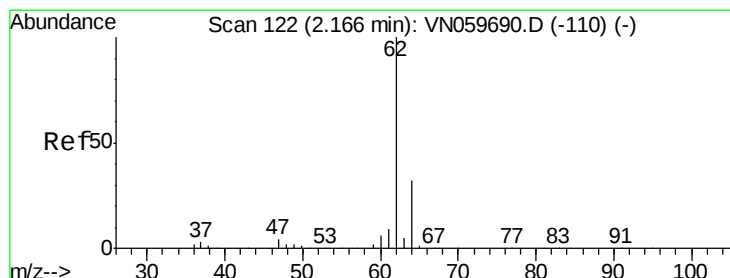
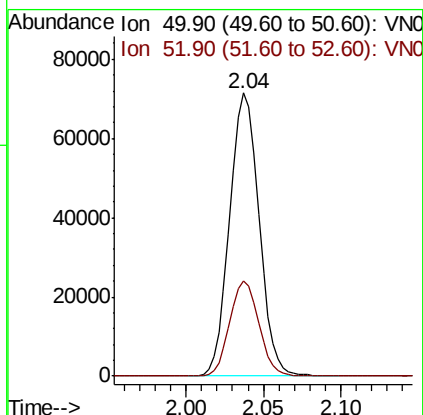
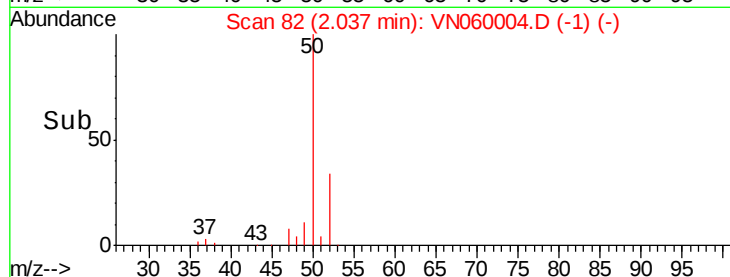
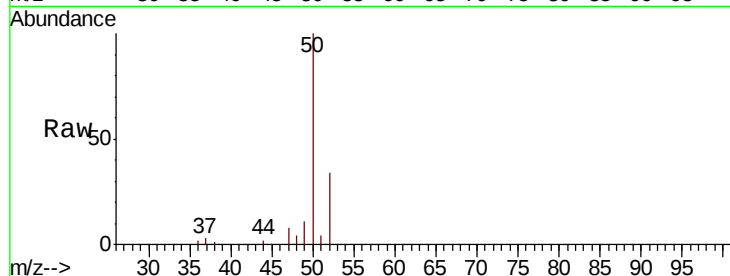
VSTDCCC050EC

Tot Ion: 50 Resp: 94283

Ion Ratio Lower Upper

50 100

52 33.7 25.9 38.9



#4

Vinyl Chloride

Concen: 50.676 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060004.D

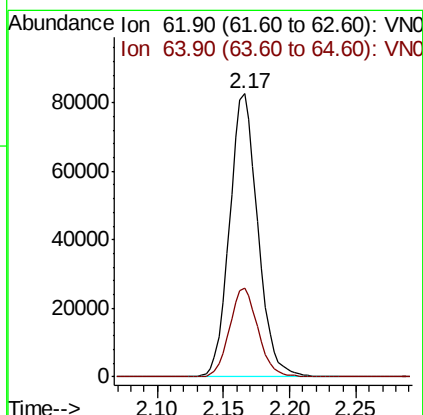
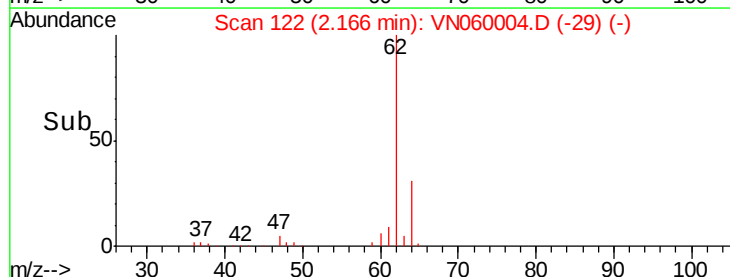
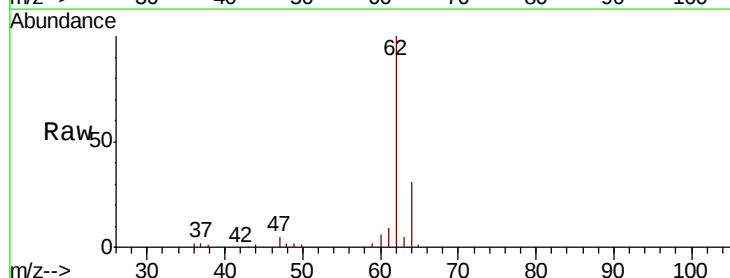
Acq: 4 Feb 2020 18:58

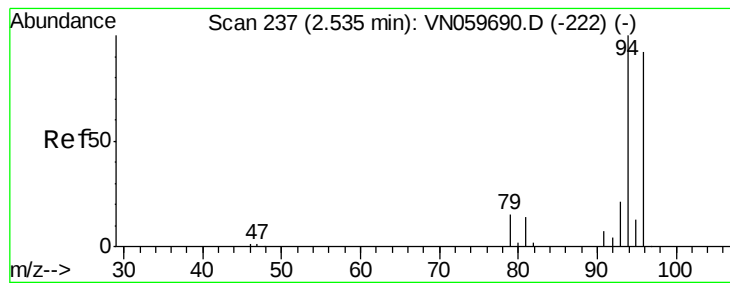
Tgt Ion: 62 Resp: 122438

Ion Ratio Lower Upper

62 100

64 31.3 24.6 37.0





#5

Bromomethane

Concen: 48.290 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

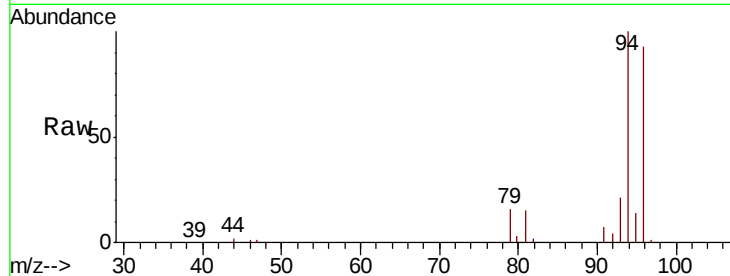
VSTDCCC050EC

Tot Ion: 94 Resp: 71202

Ion Ratio Lower Upper

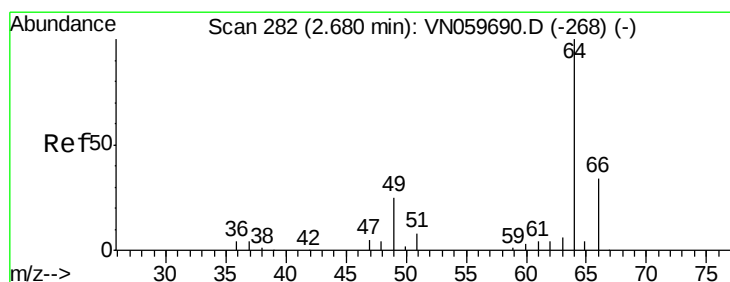
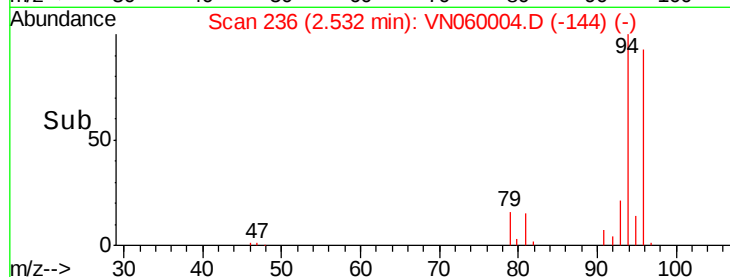
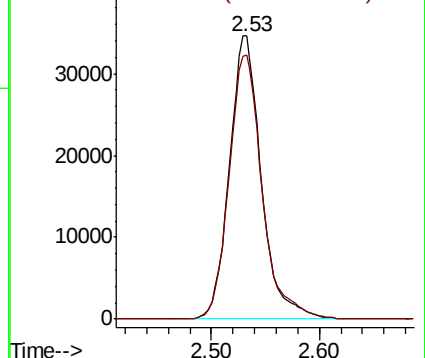
94 100

96 93.2 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: 50.082 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN060004.D

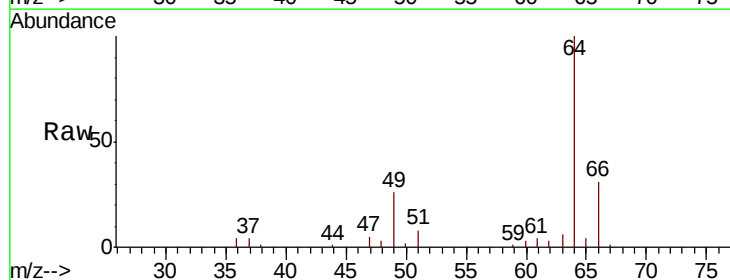
Acq: 4 Feb 2020 18:58

Tgt Ion: 64 Resp: 57247

Ion Ratio Lower Upper

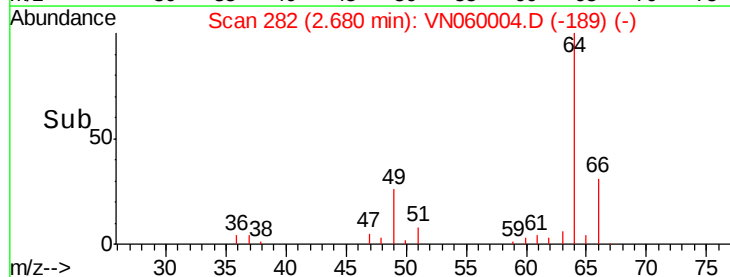
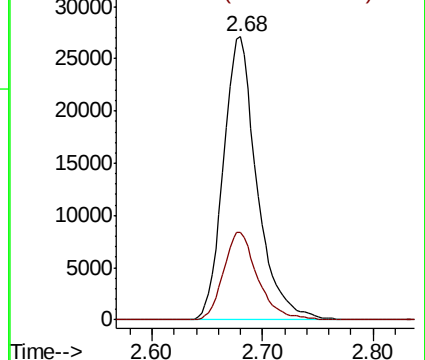
64 100

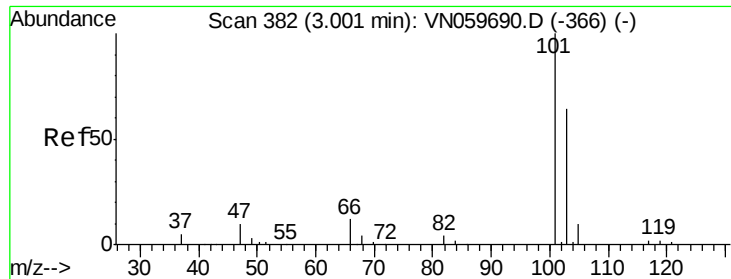
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



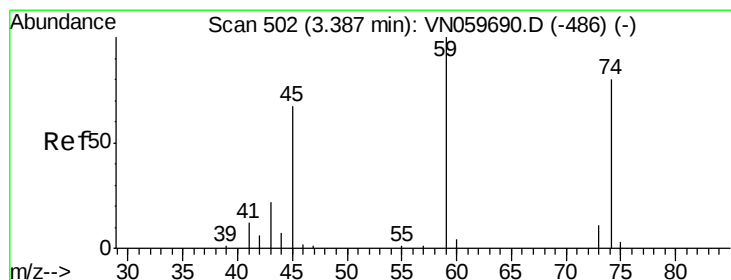
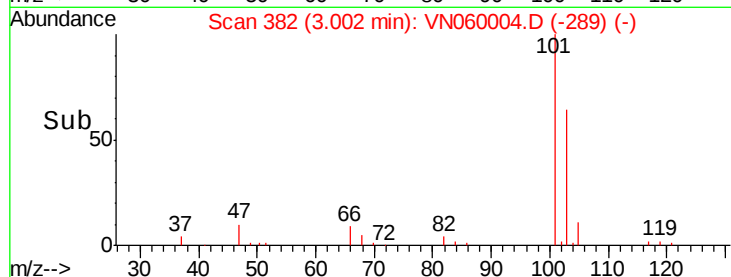
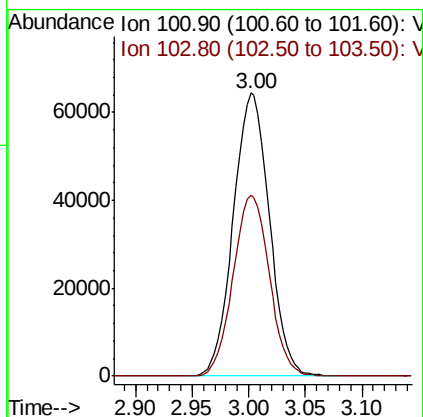
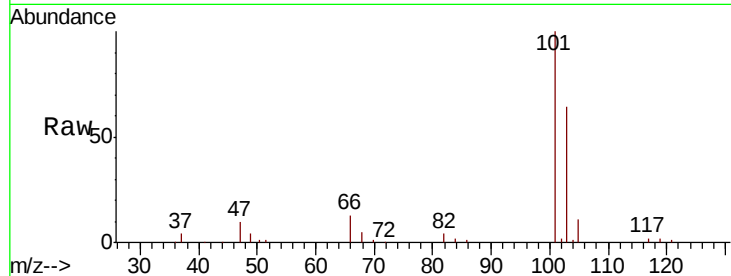


#7

Trichlorofluoromethane
 Concen: 49.382 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060004.D
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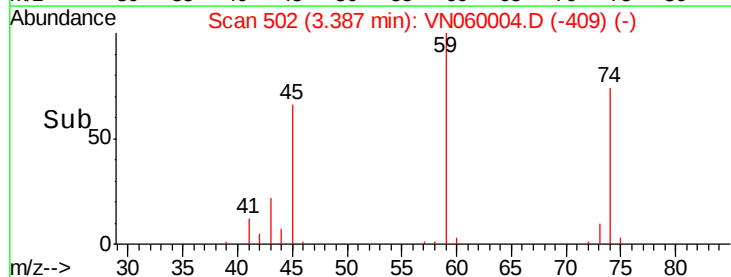
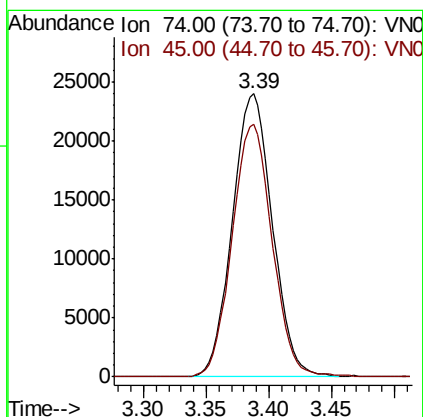
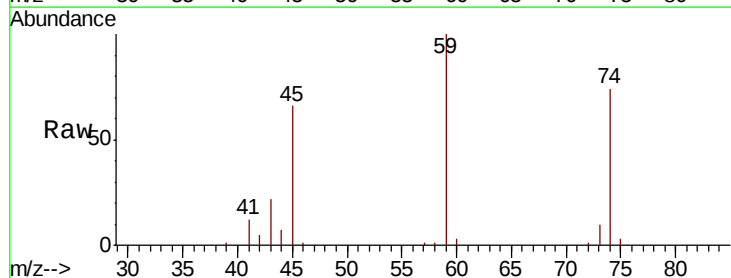
Tot Ion:101 Resp: 143286
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.0 76.6



#8

Diethyl Ether
 Concen: 52.295 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion: 74 Resp: 53251
 Ion Ratio Lower Upper
 74 100
 45 89.5 51.9 155.8

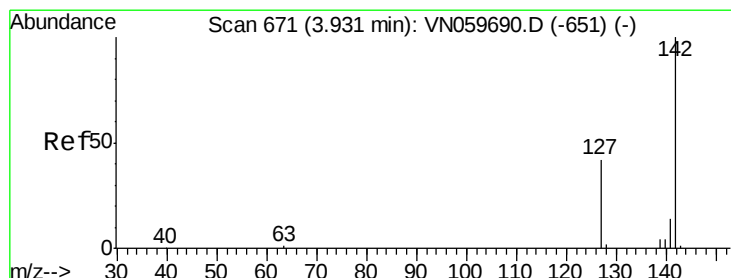
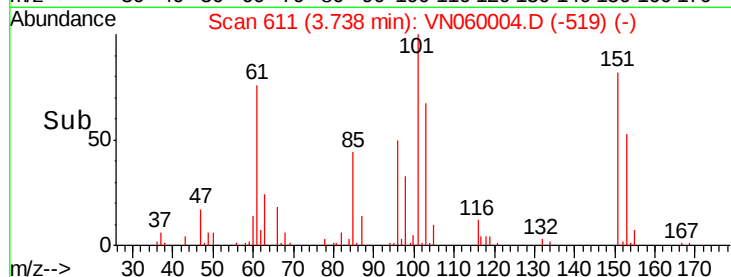
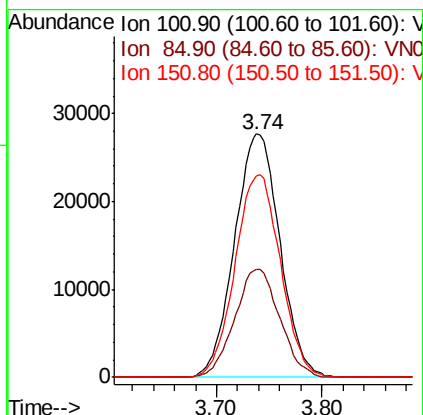
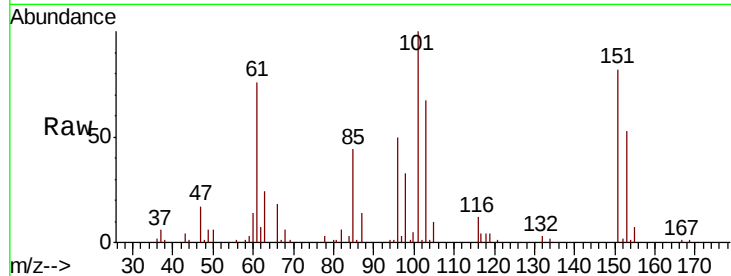




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.231 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

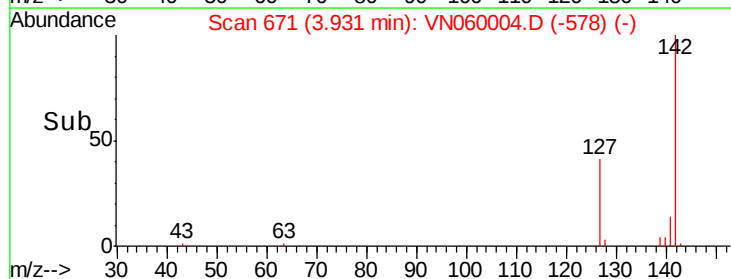
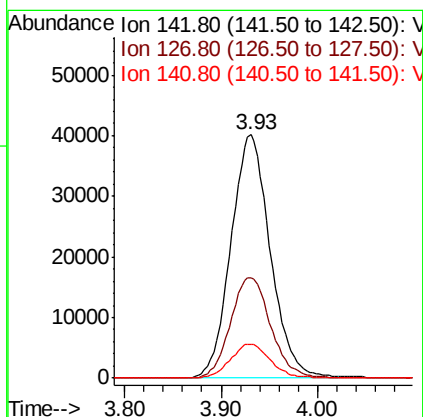
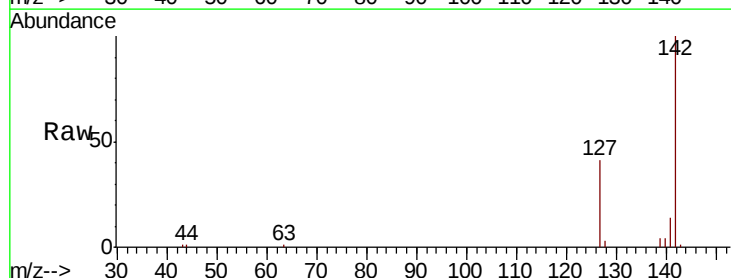
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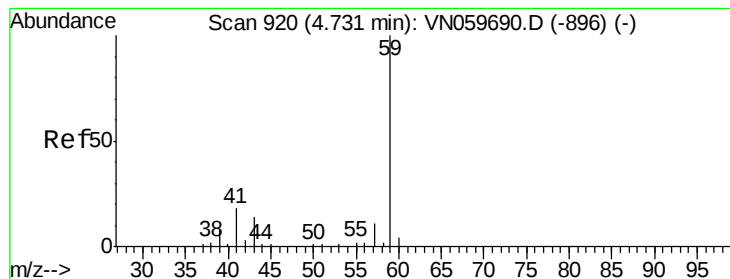
Tot Ion:101 Resp: 82734
 Ion Ratio Lower Upper
 101 100
 85 44.0 36.6 54.8
 151 83.2 59.7 89.5



#10
 Methyl Iodide
 Concen: 43.376 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion:142 Resp: 113226
 Ion Ratio Lower Upper
 142 100
 127 42.3 36.7 55.1
 141 14.1 11.7 17.5



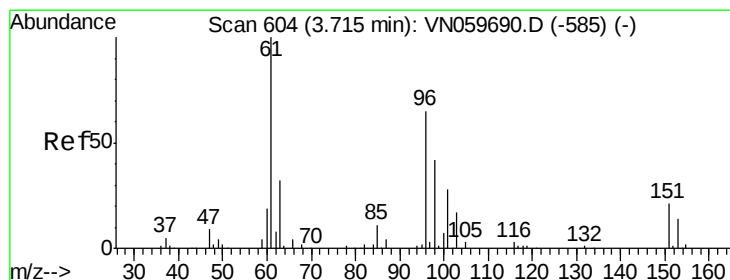
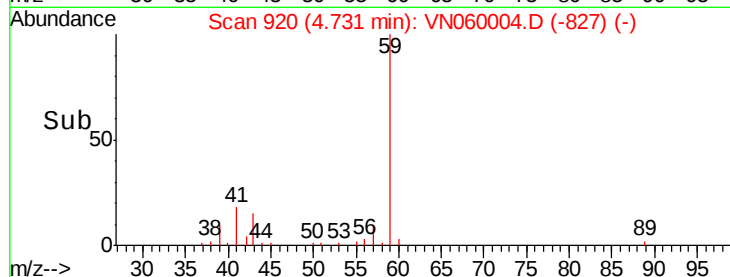
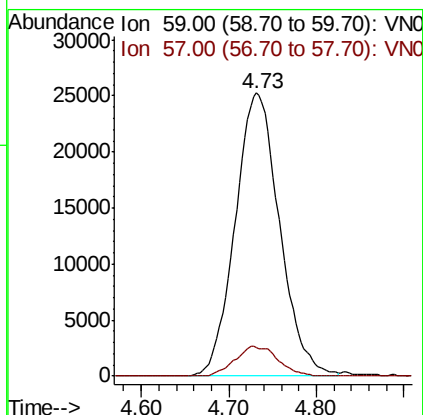
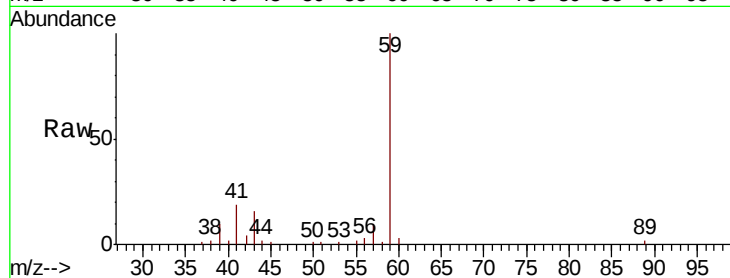


#11

Tert butyl alcohol
 Concen: 258.059 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

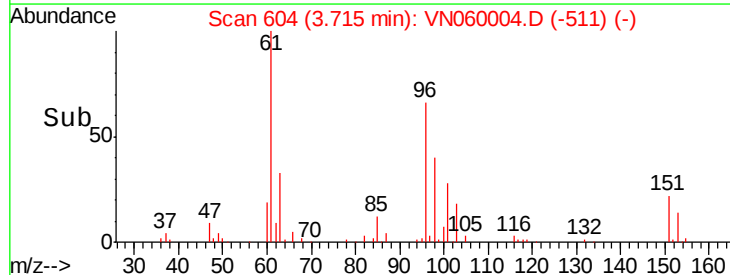
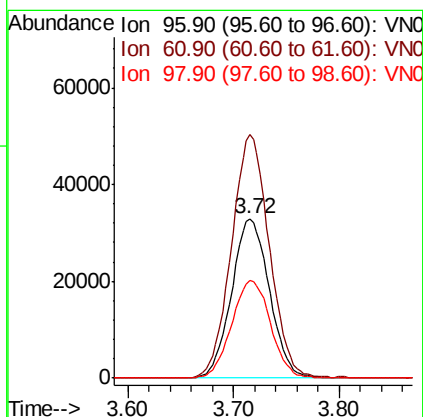
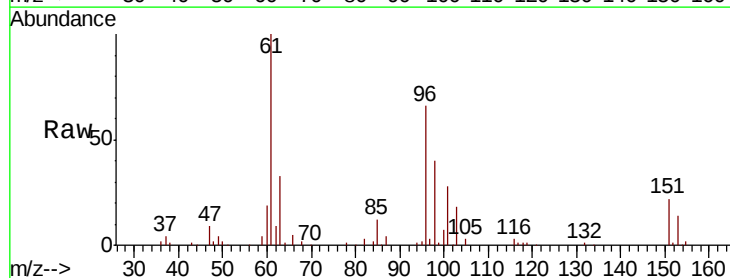
Tot Ion: 59 Resp: 88984
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 12.8



#12

1,1-Dichloroethene
 Concen: 48.639 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion: 96 Resp: 82076
 Ion Ratio Lower Upper
 96 100
 61 152.6 137.5 206.3
 98 61.0 50.2 75.4





#13

Acrolein

Concen: 255.569 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

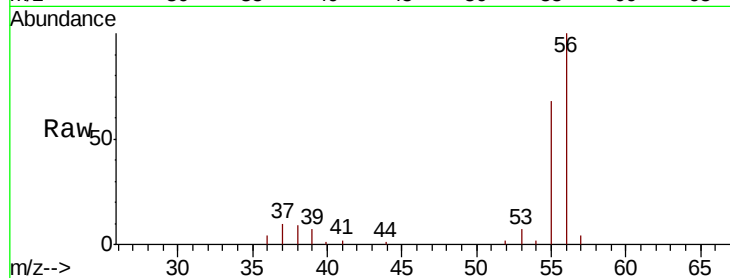
VSTDCCC050EC

Tot Ion: 56 Resp: 62382

Ion Ratio Lower Upper

56 100

55 71.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

30000

25000

20000

15000

10000

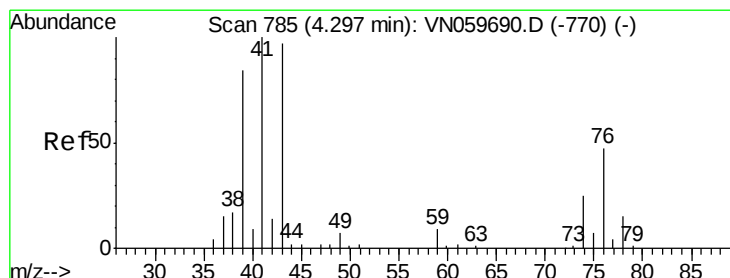
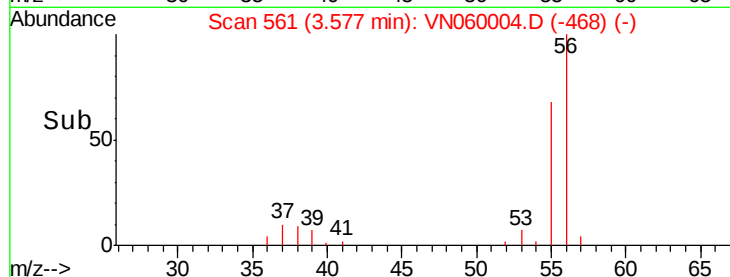
5000

0

Time-->

3.50 3.55 3.60 3.65

3.58



#14

Allyl chloride

Concen: 51.712 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

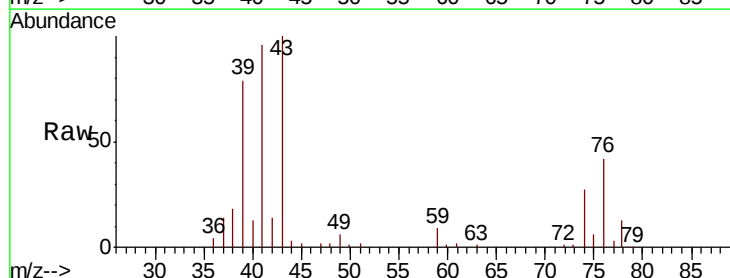
Tgt Ion: 41 Resp: 117619

Ion Ratio Lower Upper

41 100

39 83.7 57.8 86.8

76 42.4 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

50000

40000

30000

20000

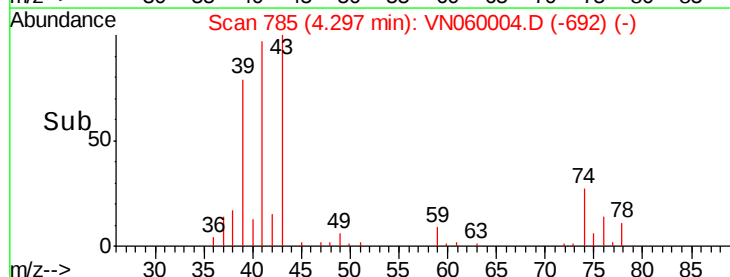
10000

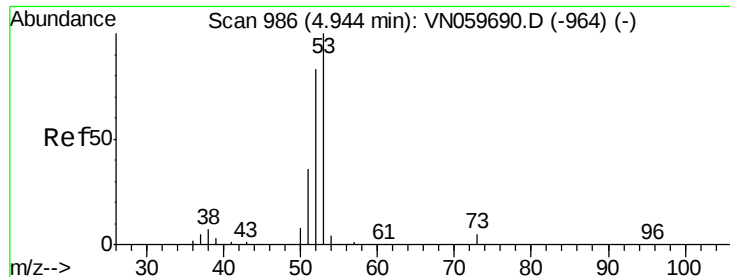
0

Time-->

4.20 4.30 4.40

4.30





#15

Acrylonitrile

Concen: 286.555 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

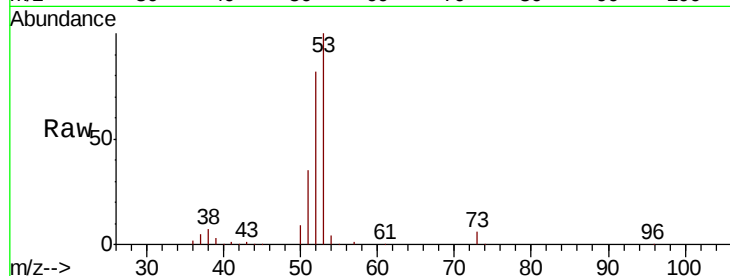
Tot Ion: 53 Resp: 225393

Ion Ratio Lower Upper

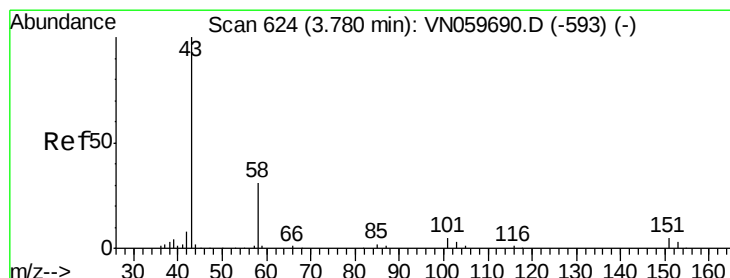
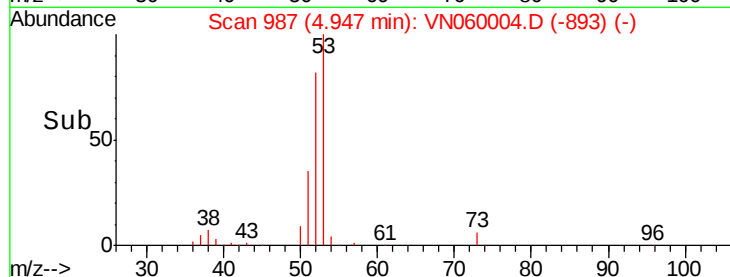
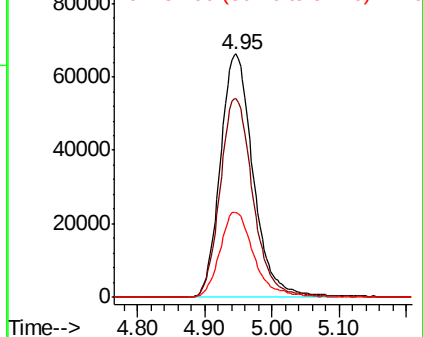
53 100

52 81.9 66.3 99.5

51 36.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 273.591 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060004.D

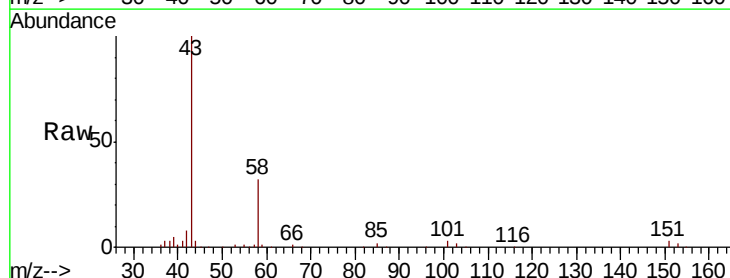
Acq: 4 Feb 2020 18:58

Tgt Ion: 43 Resp: 190475

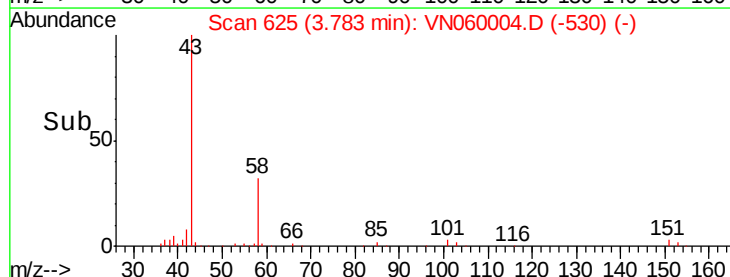
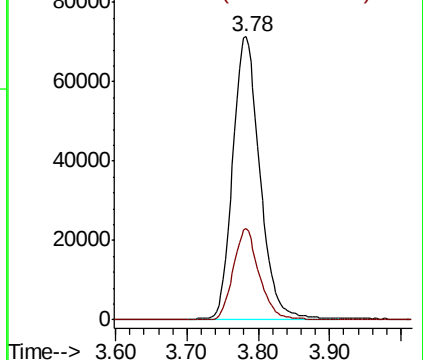
Ion Ratio Lower Upper

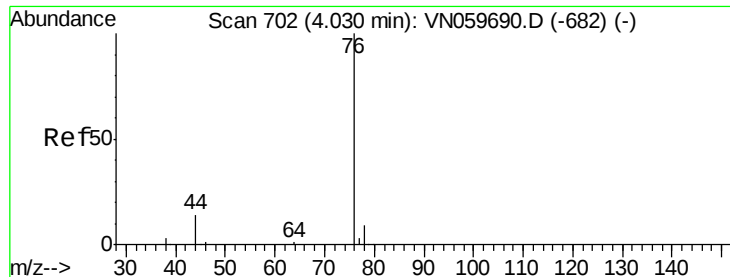
43 100

58 32.3 23.6 35.4



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

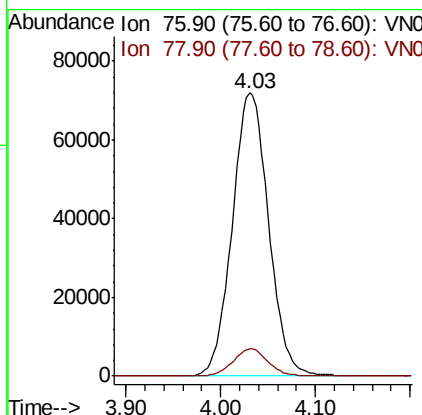
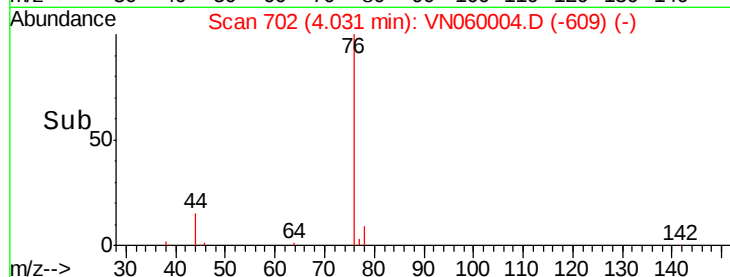
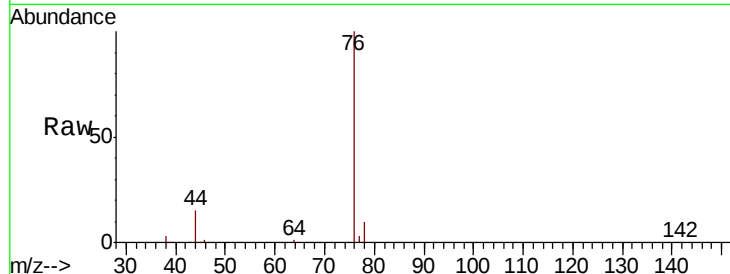




#17
Carbon Disulfide
Concen: 39.946 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

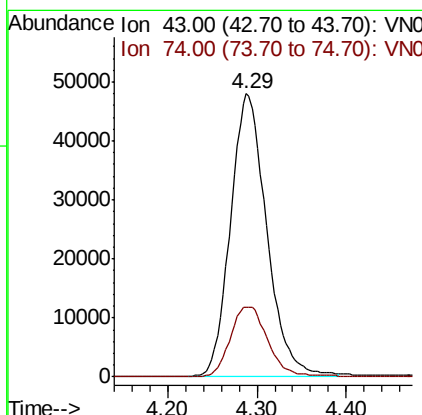
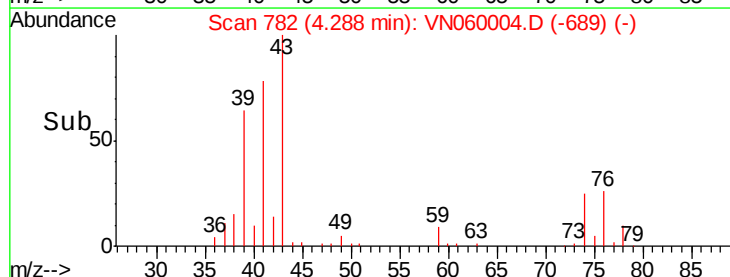
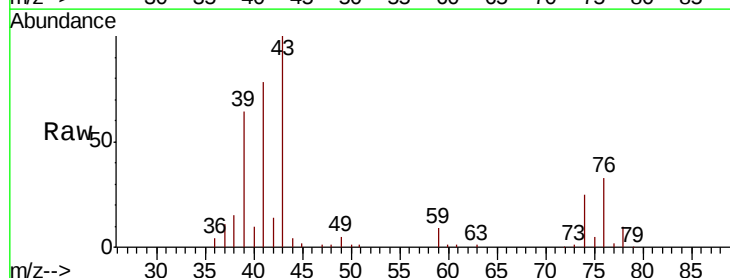
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 192022
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 56.691 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 43 Resp: 135635
Ion Ratio Lower Upper
43 100
74 25.6 17.5 26.3

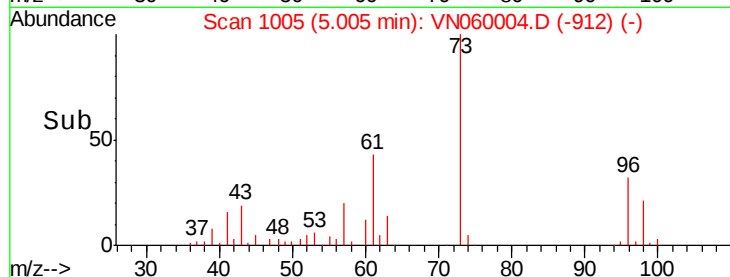
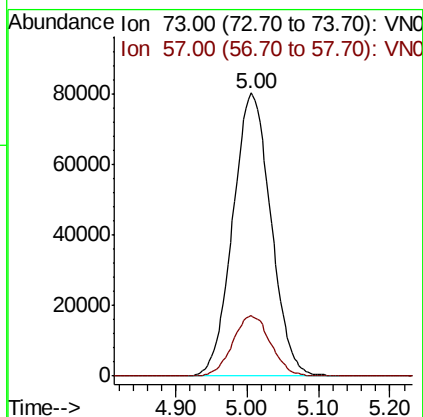
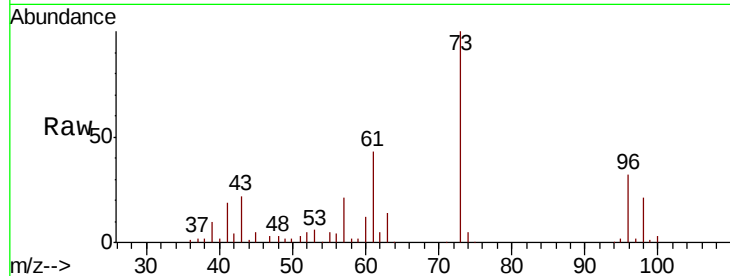




#19
Methvl tert-butvl Ether
Concen: 54.211 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

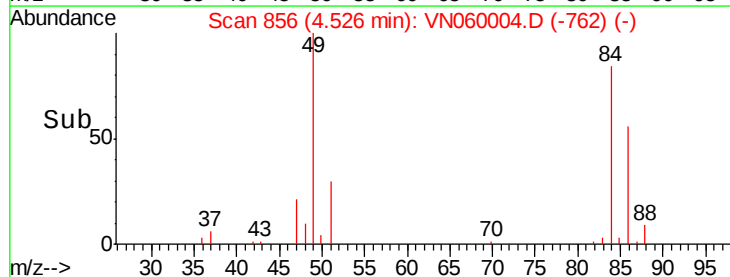
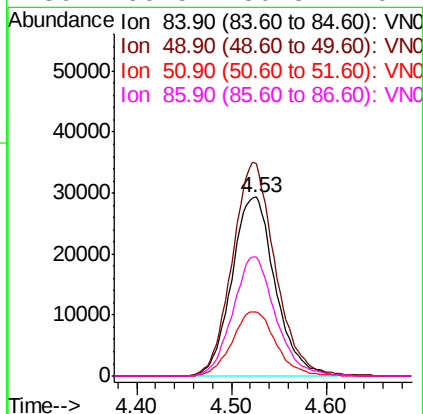
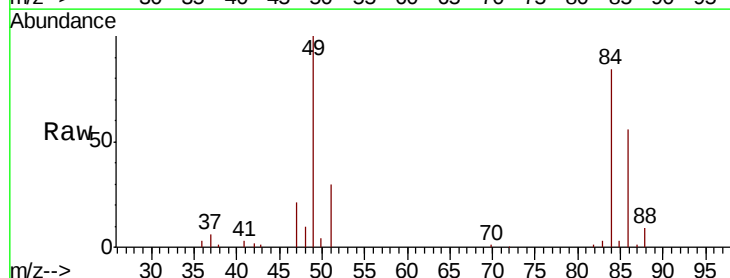
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

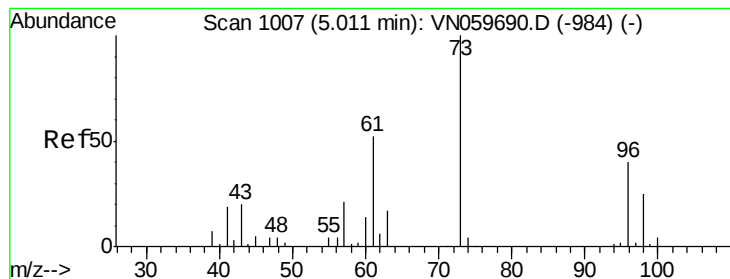
Tot Ion: 73 Resp: 298262
Ion Ratio Lower Upper
73 100
57 21.3 18.6 27.8



#20
Methylene Chloride
Concen: 50.453 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 84 Resp: 93476
Ion Ratio Lower Upper
84 100
49 118.6 106.6 160.0
51 35.9 31.9 47.9
86 66.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.124 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

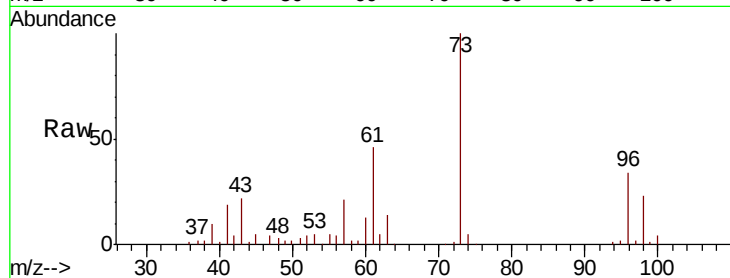
Tot Ion: 96 Resp: 86323

Ion Ratio Lower Upper

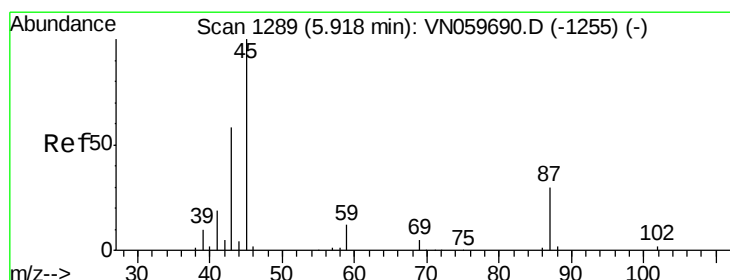
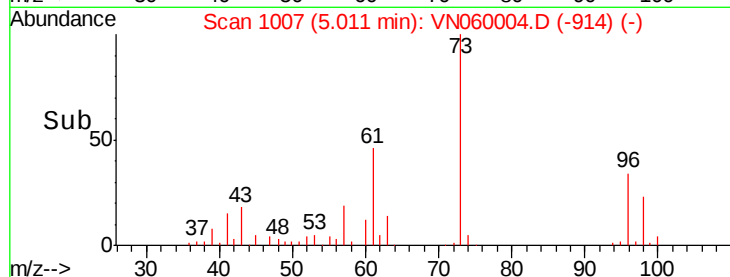
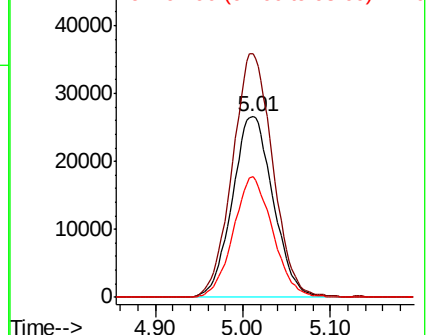
96 100

61 135.0 120.4 180.6

98 66.7 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 54.865 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion: 45 Resp: 282799

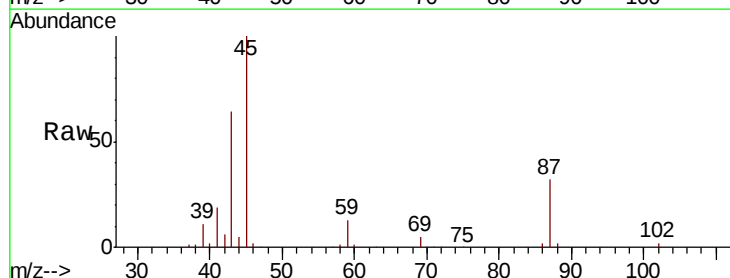
Ion Ratio Lower Upper

45 100

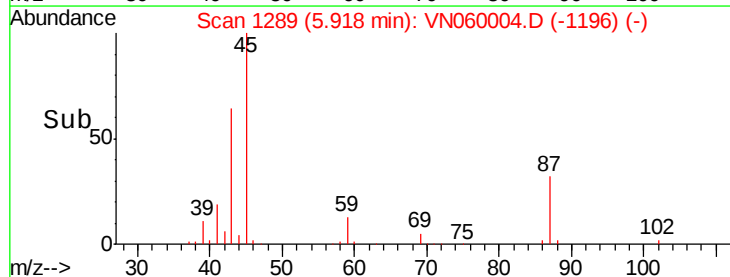
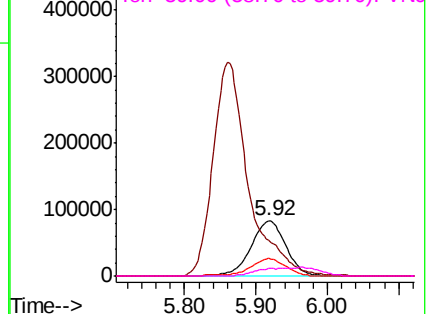
43 62.9 50.8 76.2

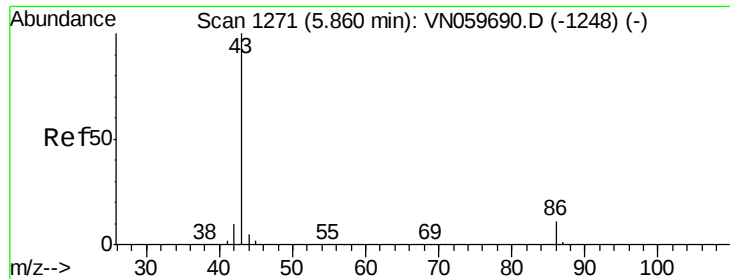
87 31.5 21.0 31.6

59 12.5 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

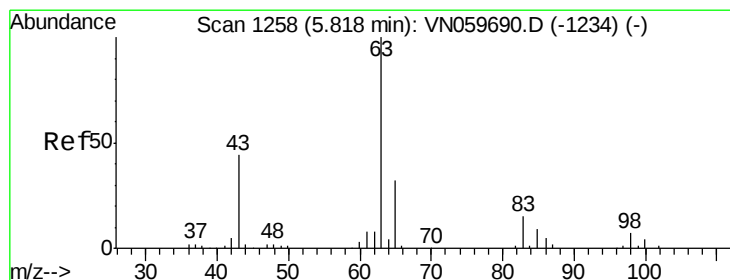
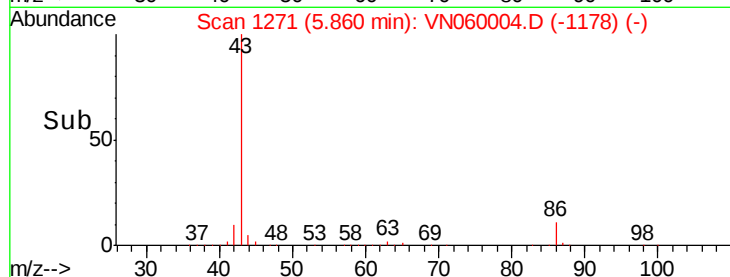
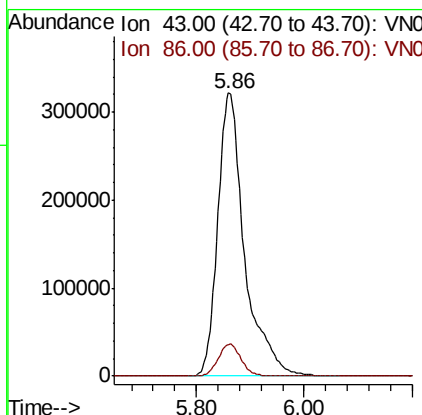
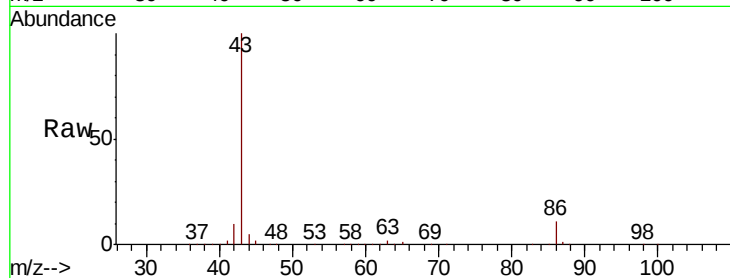




#23
 Vinyl Acetate
 Concen: 277.478 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

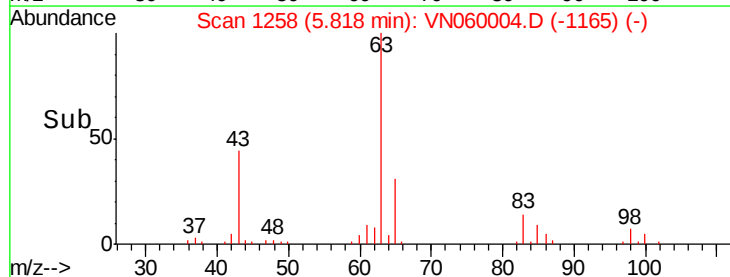
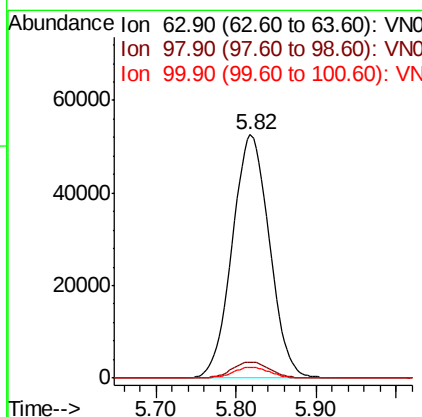
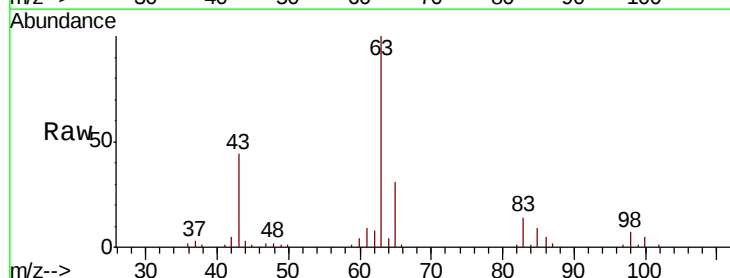
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

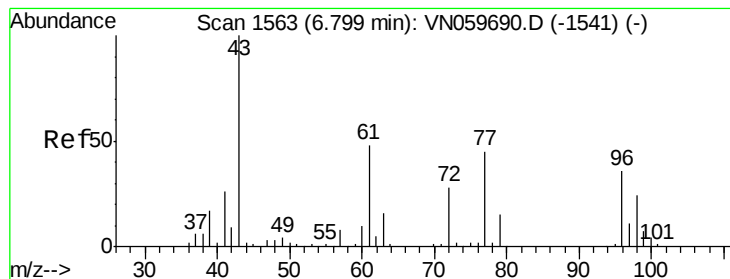
Tot Ion: 43 Resp: 1107358
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 52.697 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion: 63 Resp: 165970
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.6 2.0 6.0





#25

2-Butanone

Concen: 254.171 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

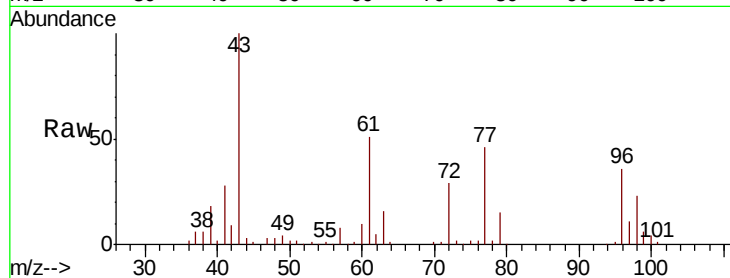
VSTDCCC050EC

Tot Ion: 43 Resp: 294822

Ion Ratio Lower Upper

43 100

72 28.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

120000

100000

80000

60000

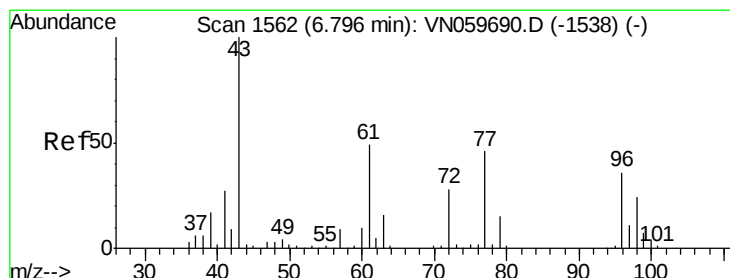
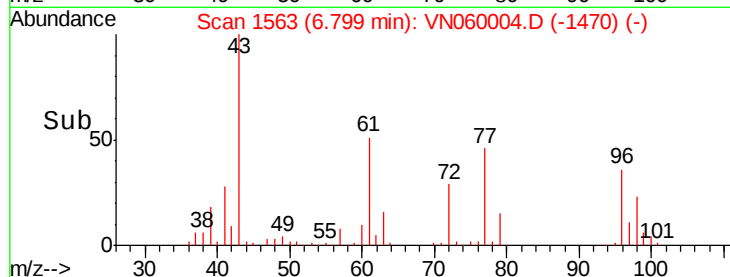
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 51.071 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060004.D

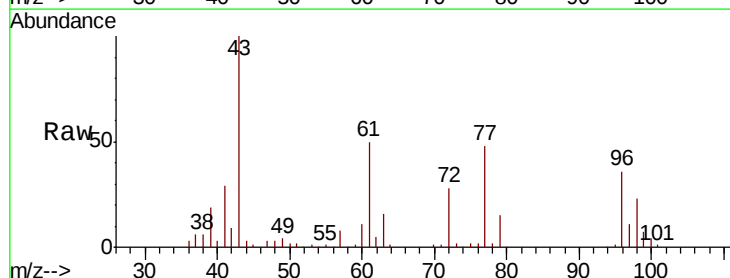
Acq: 4 Feb 2020 18:58

Tgt Ion: 77 Resp: 154635

Ion Ratio Lower Upper

77 100

97 23.2 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

50000

40000

30000

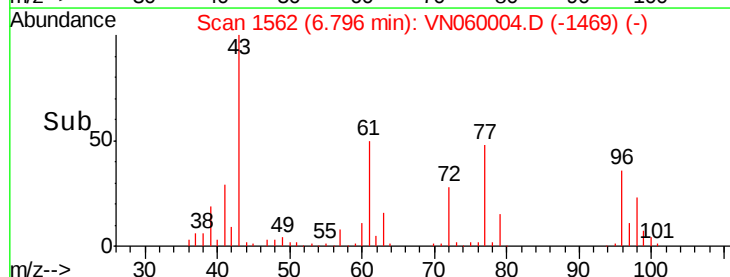
20000

10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.596 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

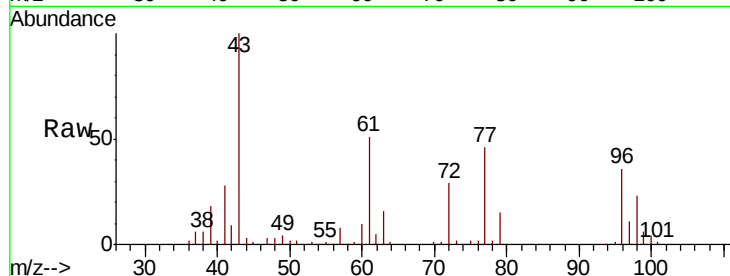
Tot Ion: 96 Resp: 108513

Ion Ratio Lower Upper

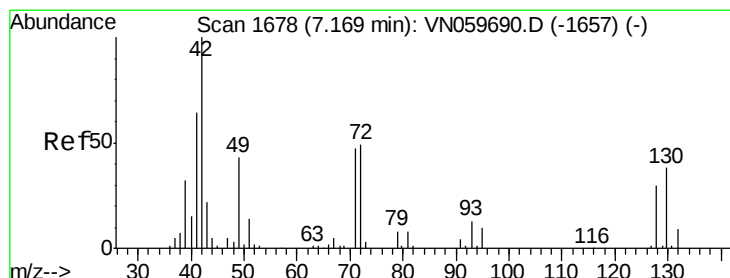
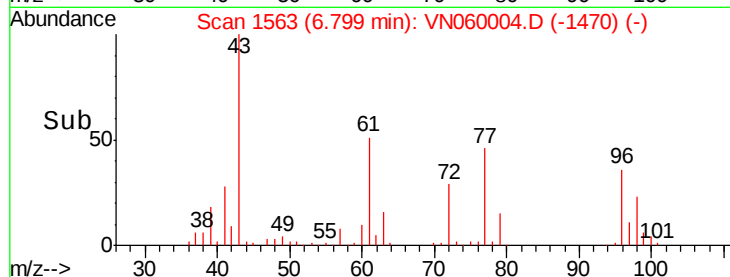
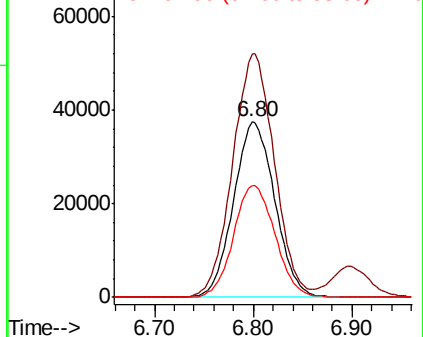
96 100

61 140.6 0.0 317.6

98 64.2 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 55.081 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

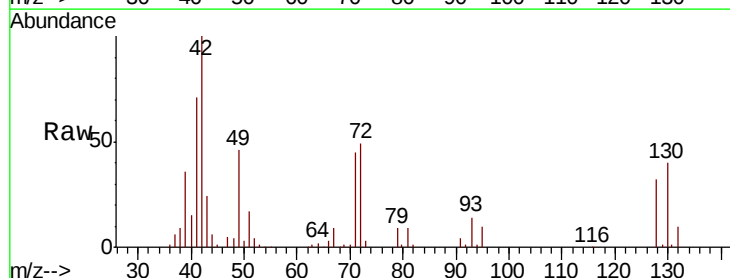
Tgt Ion: 49 Resp: 69336

Ion Ratio Lower Upper

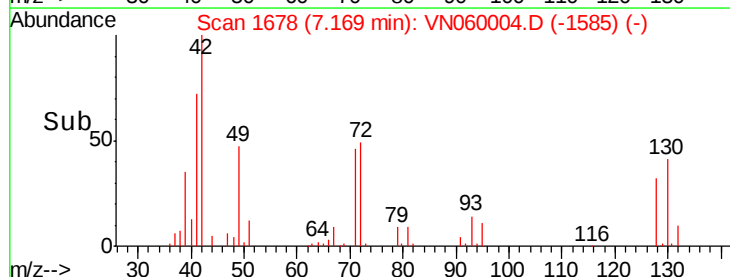
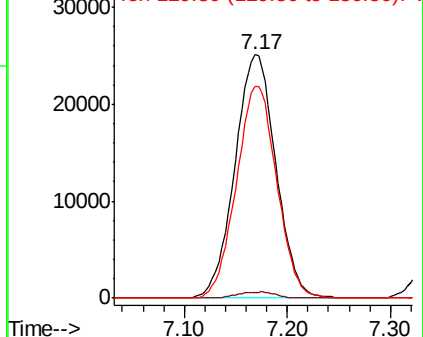
49 100

129 2.2 0.0 3.4

130 86.0 54.7 82.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

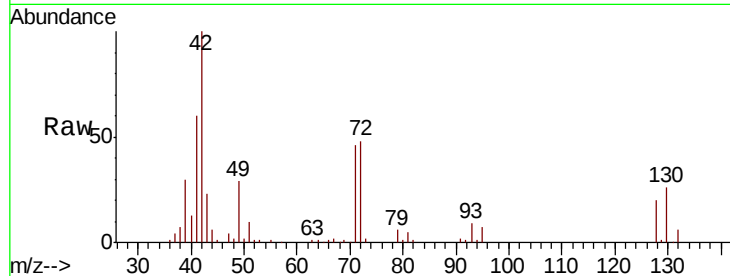




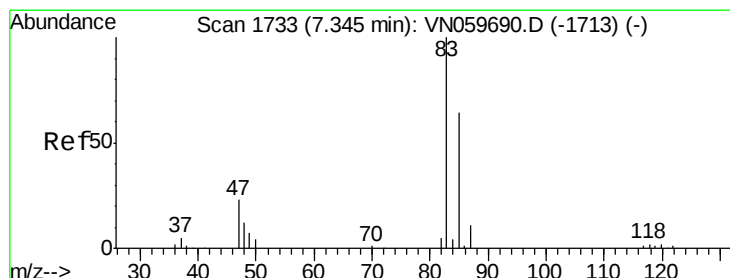
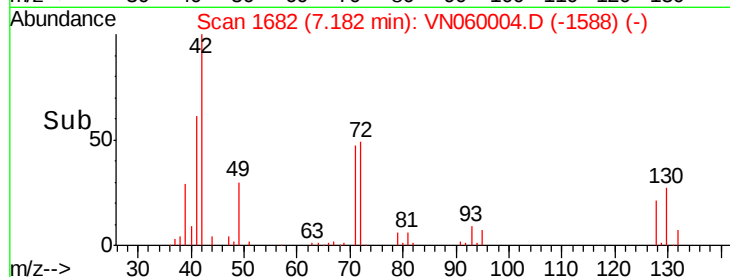
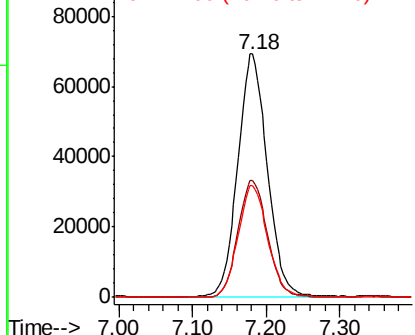
#29
Tetrahydrofuran
Concen: 271.153 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 194600
Ion Ratio Lower Upper
42 100
72 47.7 33.1 49.7
71 45.8 31.4 47.0

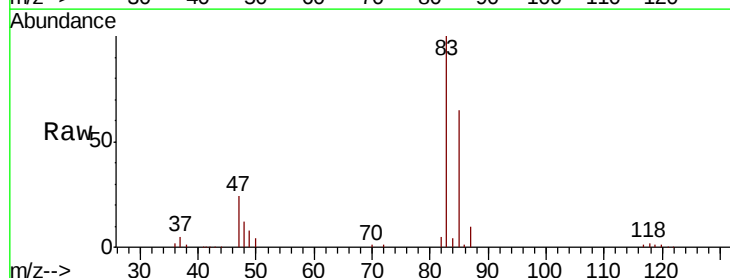


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

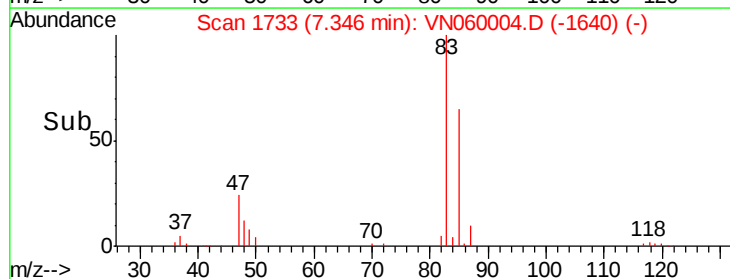
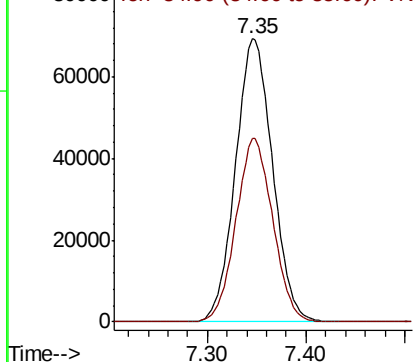


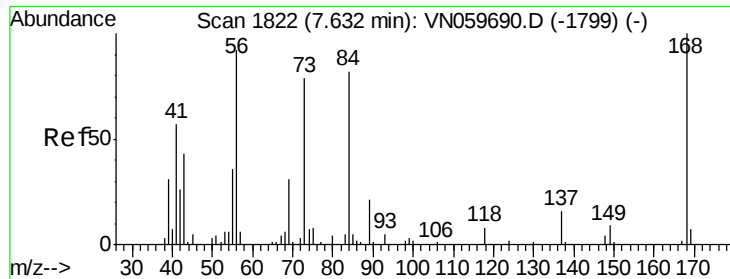
#30
Chloroform
Concen: 55.344 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 83 Resp: 180601
Ion Ratio Lower Upper
83 100
85 64.9 52.4 78.6



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

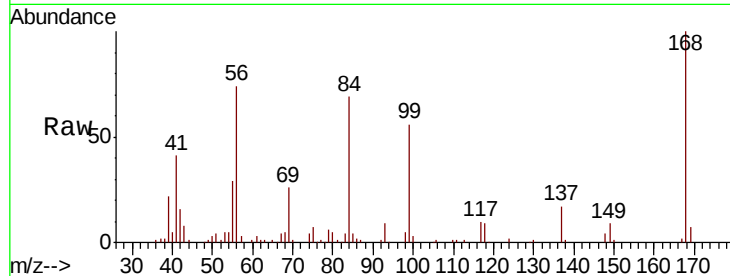




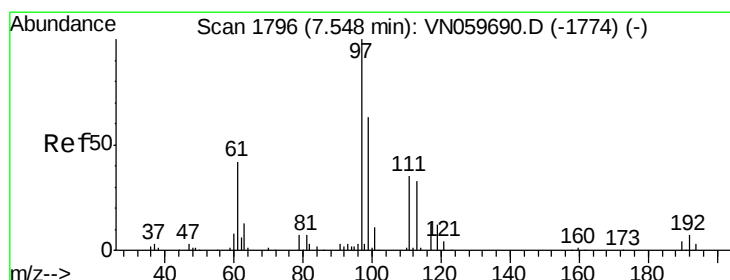
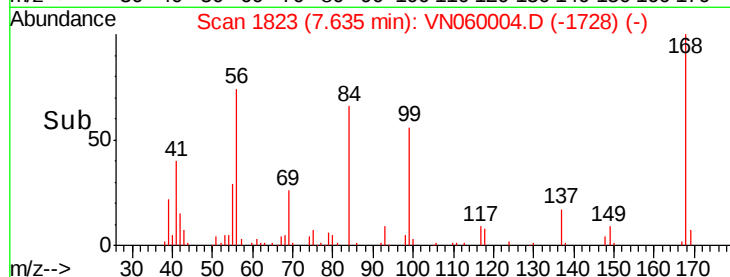
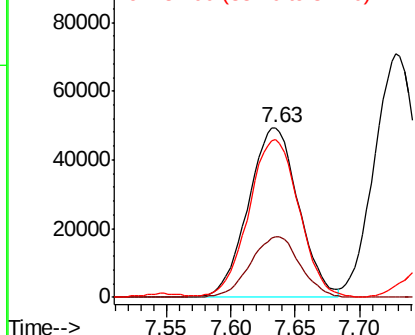
#31
Cyclohexane
Concen: 44.206 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 133970
Ion Ratio Lower Upper
56 100
69 35.7 26.5 39.7
84 91.8 65.3 97.9

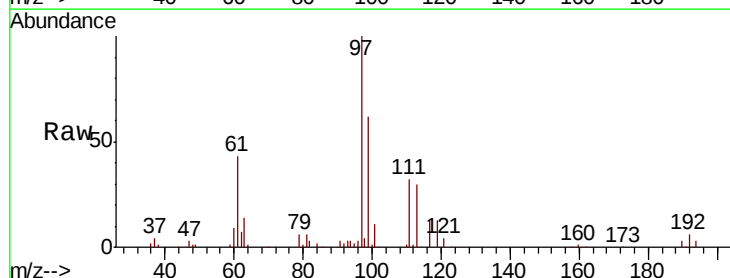


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

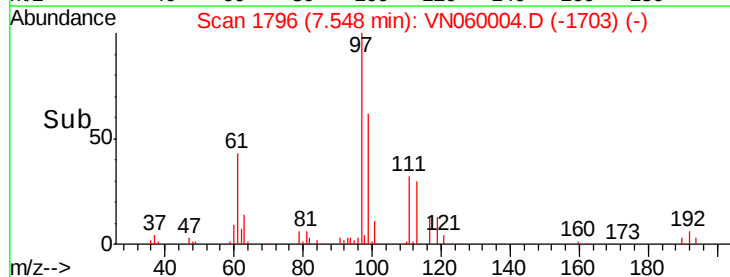
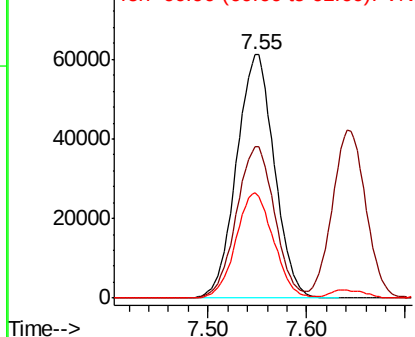


#32
1,1,1-Trichloroethane
Concen: 53.717 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 97 Resp: 162078
Ion Ratio Lower Upper
97 100
99 63.1 51.0 76.4
61 43.2 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

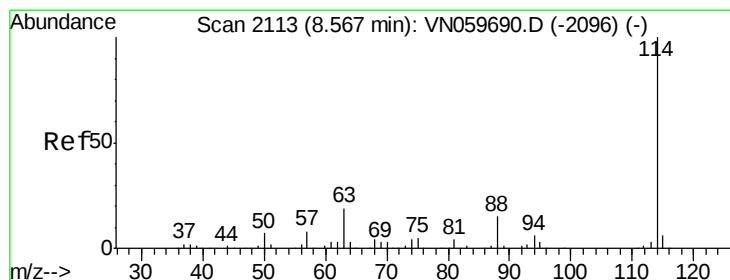
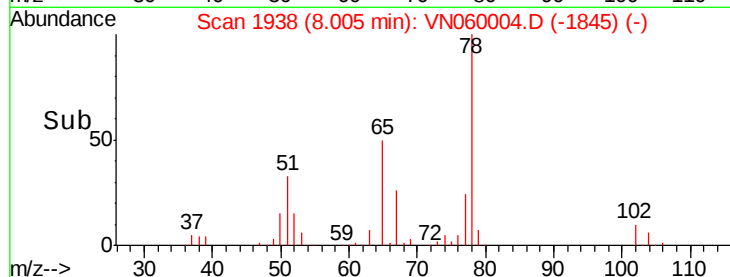
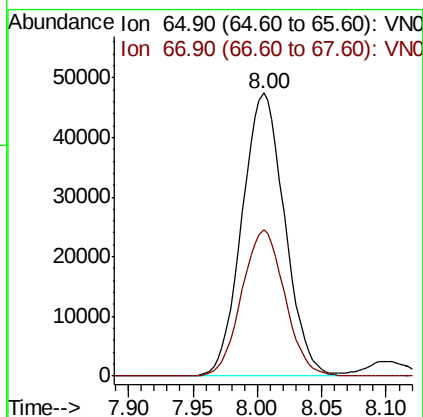
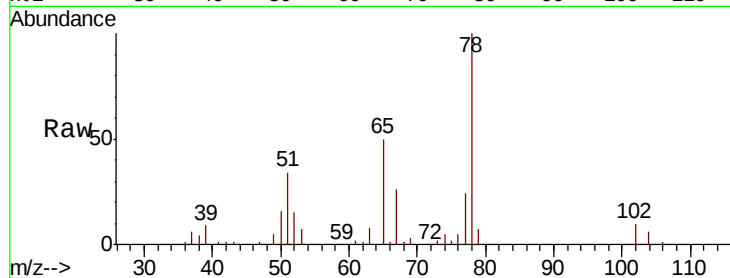




#33
 1,2-Dichloroethane-d4
 Concen: 53.553 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

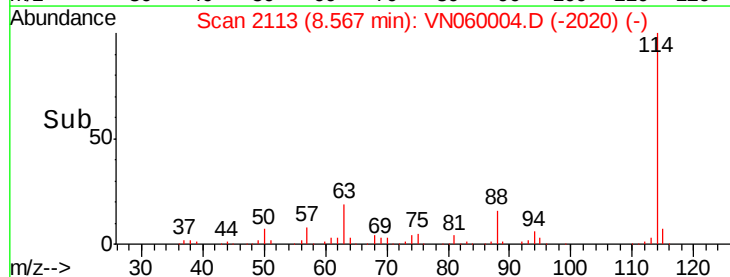
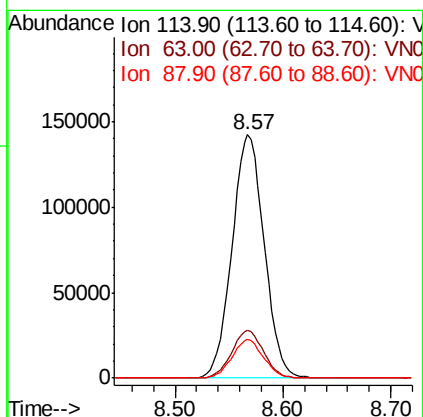
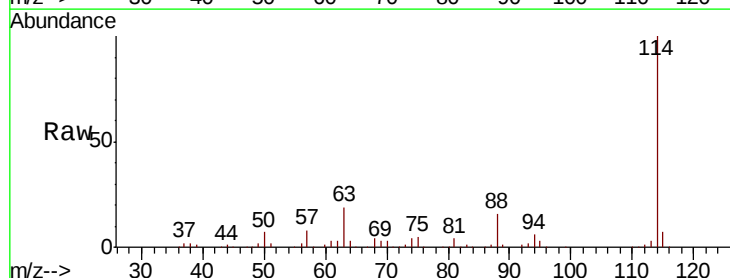
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

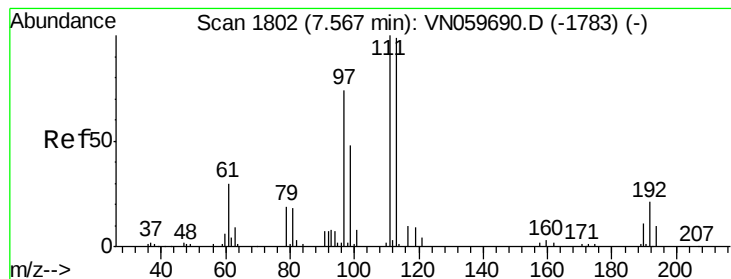
Tot Ion: 65 Resp: 109692
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion: 114 Resp: 295650
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.318 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

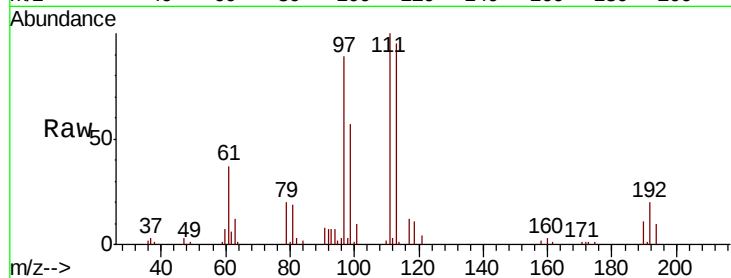
Tot Ion:113 Resp: 90479

Ion Ratio Lower Upper

113 100

111 104.2 83.5 125.3

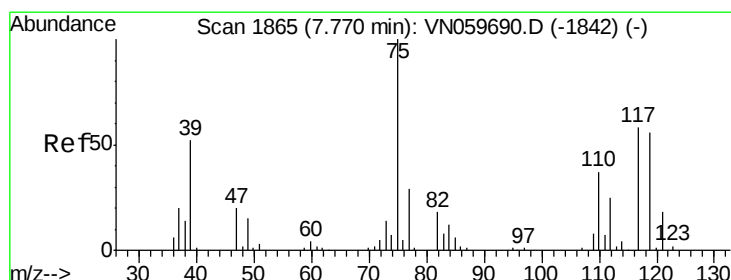
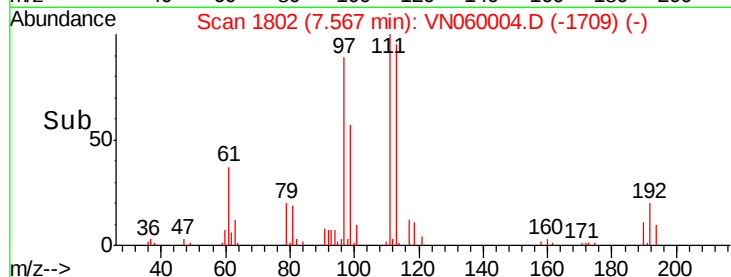
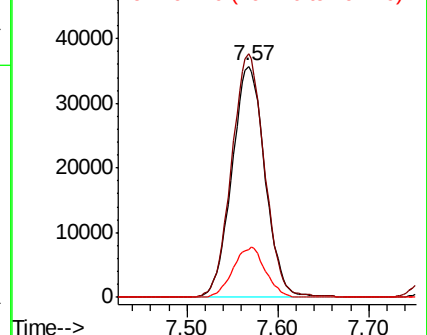
192 21.1 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.355 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

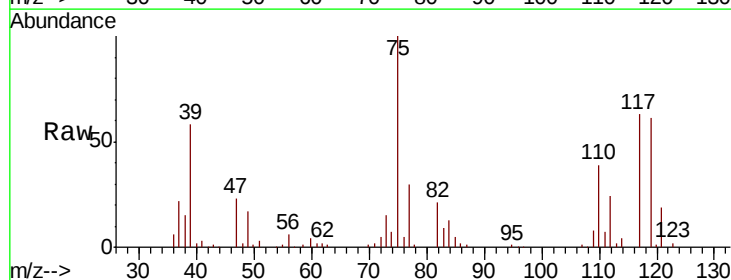
Tgt Ion: 75 Resp: 124497

Ion Ratio Lower Upper

75 100

110 37.5 16.6 49.7

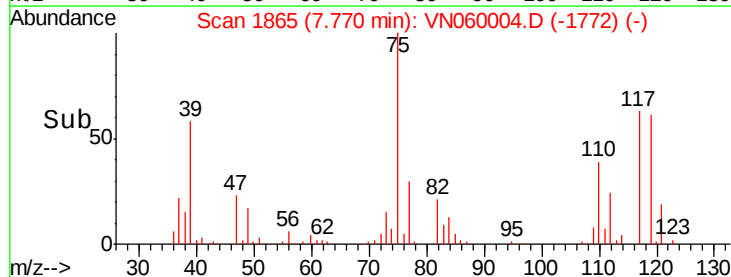
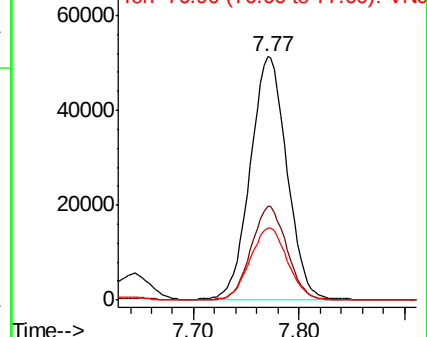
77 30.4 25.1 37.7

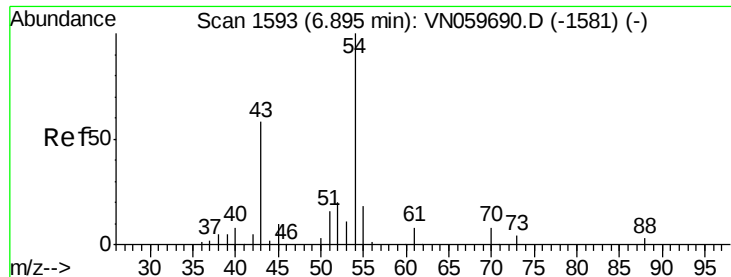


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

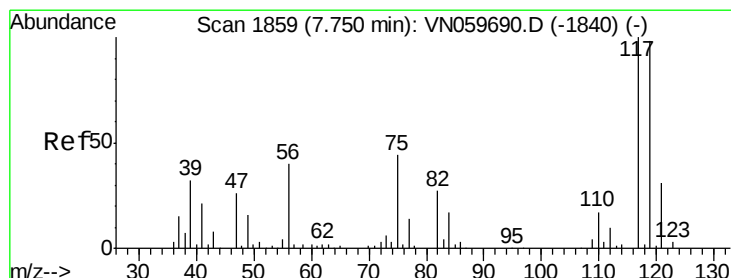
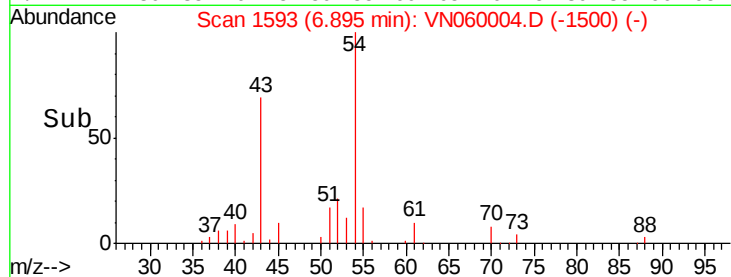
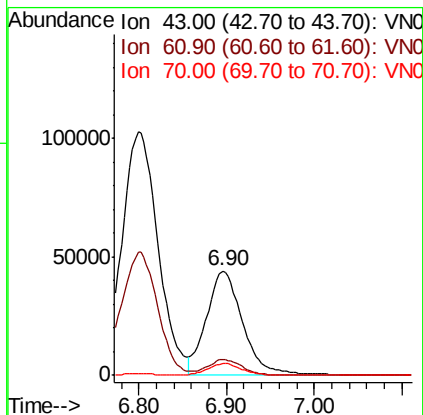
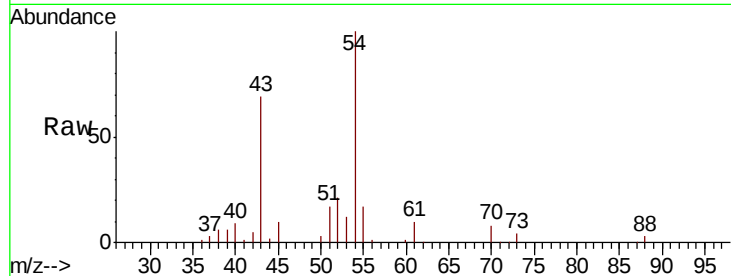




#37
Ethyl Acetate
Concen: 51.855 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

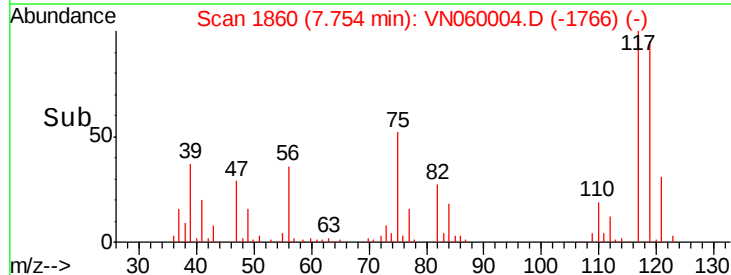
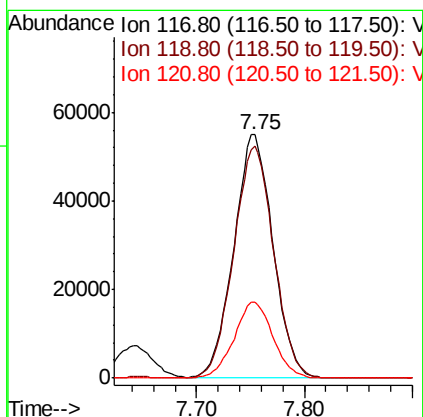
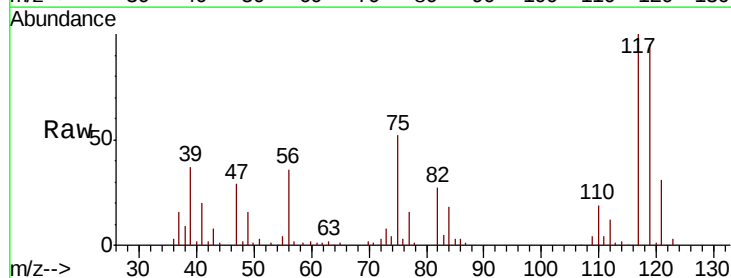
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

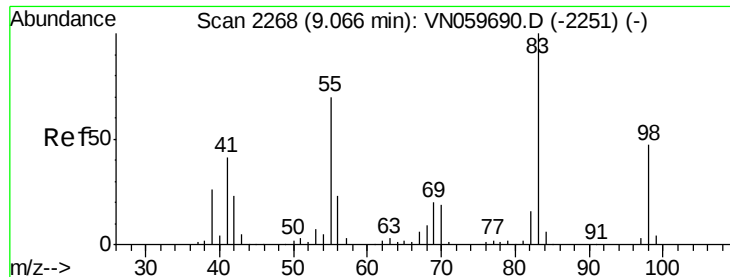
Tot Ion: 43 Resp: 125218
Ion Ratio Lower Upper
43 100
61 13.7 10.9 16.3
70 10.9 7.7 11.5



#38
Carbon Tetrachloride
Concen: 49.712 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 117 Resp: 139226
Ion Ratio Lower Upper
117 100
119 95.1 76.5 114.7
121 31.3 25.1 37.7

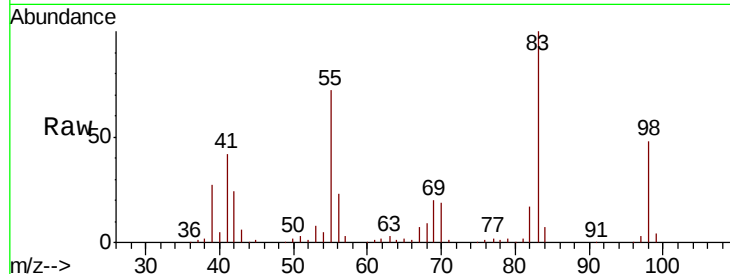




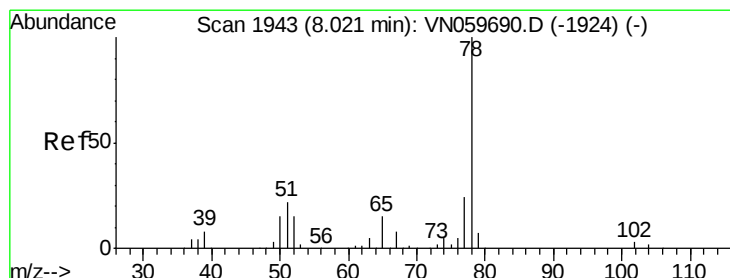
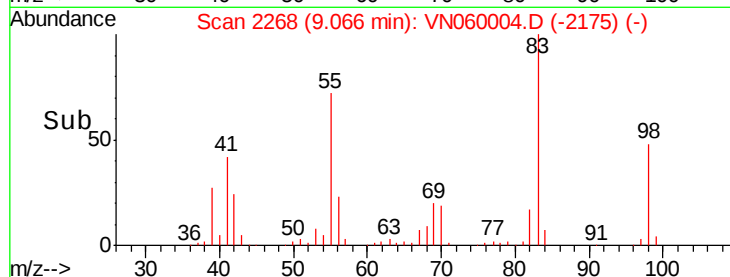
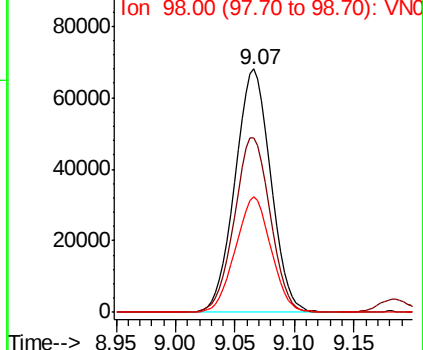
#39
Methvlcvclohexane
Concen: 44.641 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 141716
Ion Ratio Lower Upper
83 100
55 71.9 64.2 96.2
98 47.6 35.9 53.9

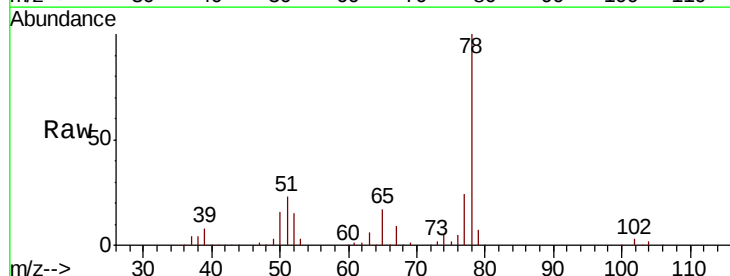


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

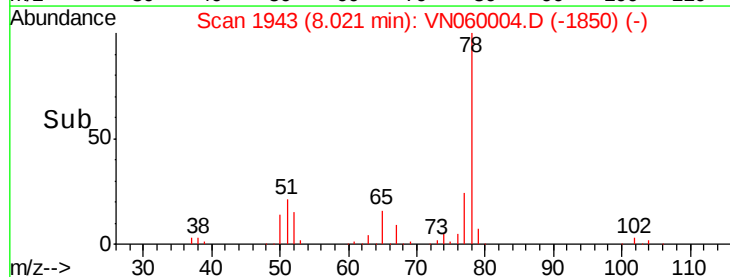
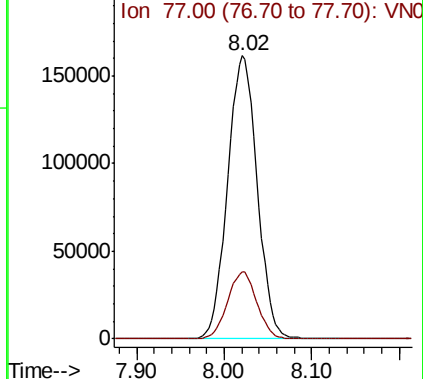


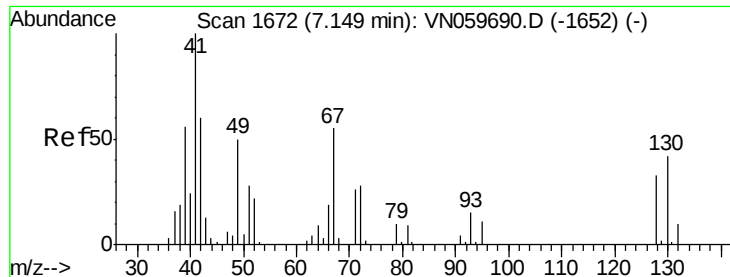
#40
Benzene
Concen: 49.450 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 78 Resp: 379698
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3



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

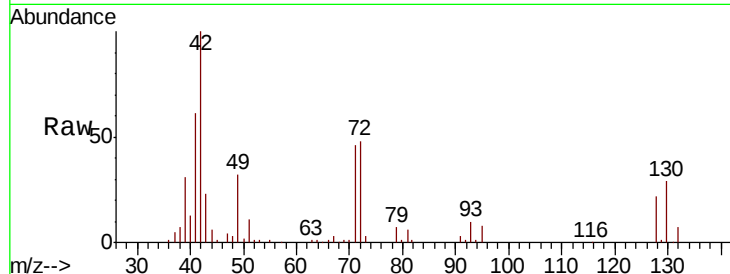




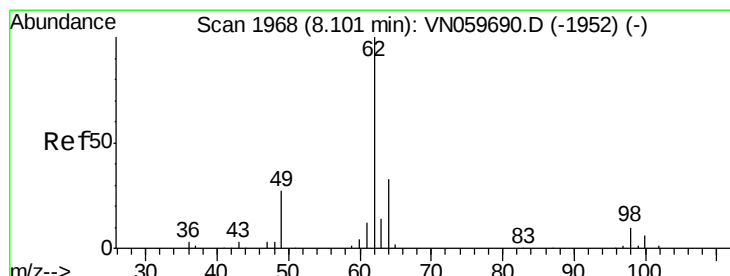
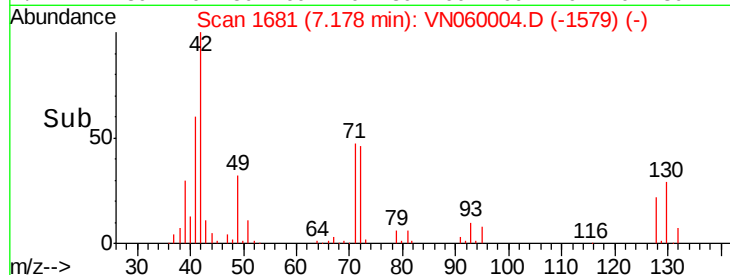
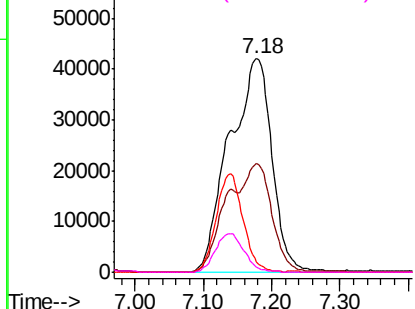
#41
Methacrylonitrile
Concen: 152.493 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	181377
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

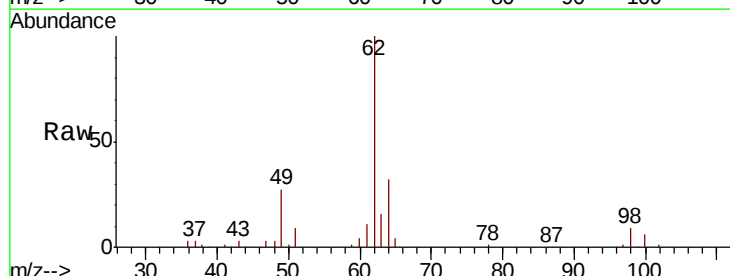


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

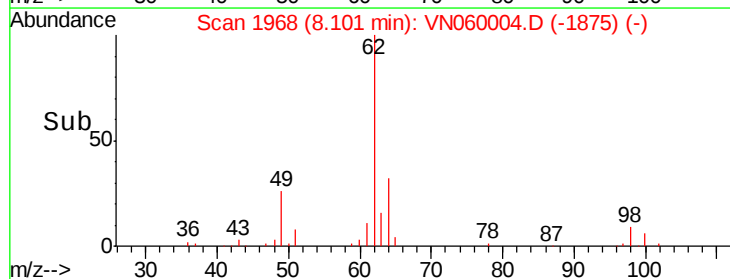
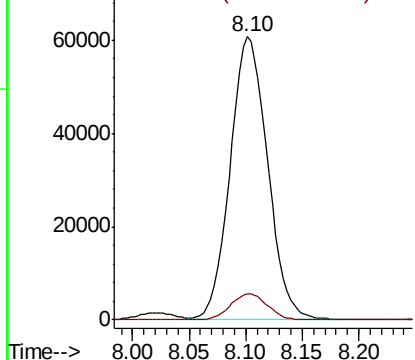


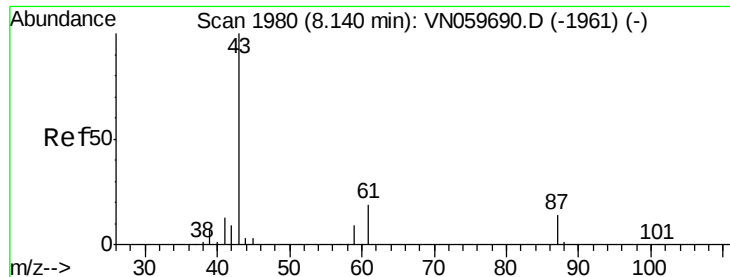
#42
1,2-Dichloroethane
Concen: 53.434 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion:	62	Resp:	139110
Ion	Ratio	Lower	Upper
62	100		
98	9.2	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: 52.028 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

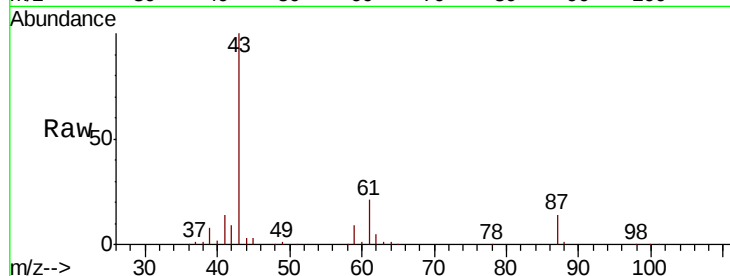
Tot Ion: 43 Resp: 216100

Ion Ratio Lower Upper

43 100

61 27.1 20.2 30.2

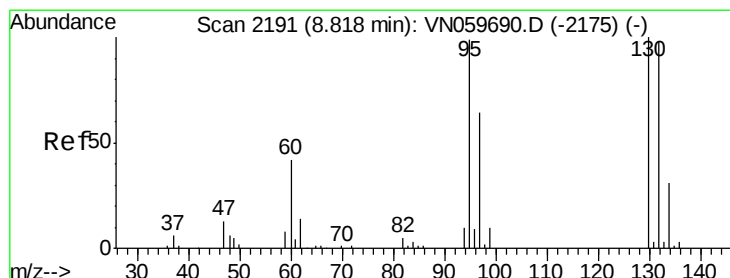
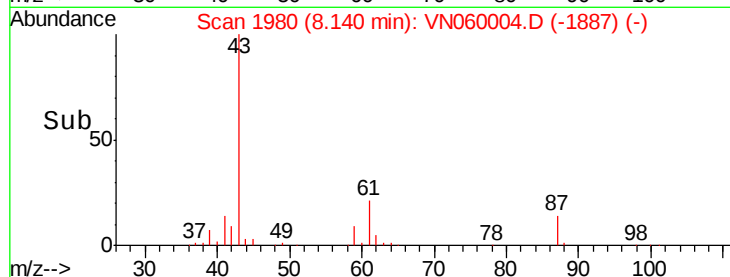
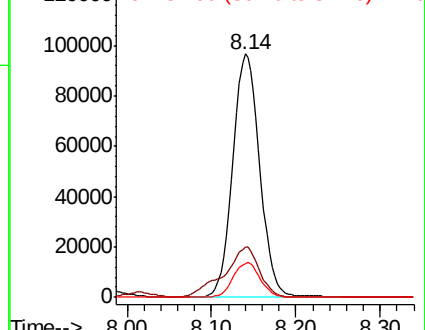
87 14.3 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 48.849 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060004.D

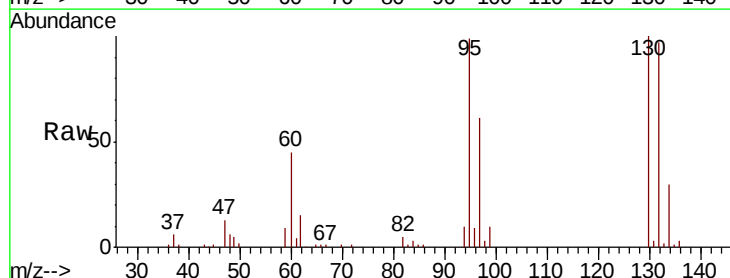
Acq: 4 Feb 2020 18:58

Tgt Ion:130 Resp: 102395

Ion Ratio Lower Upper

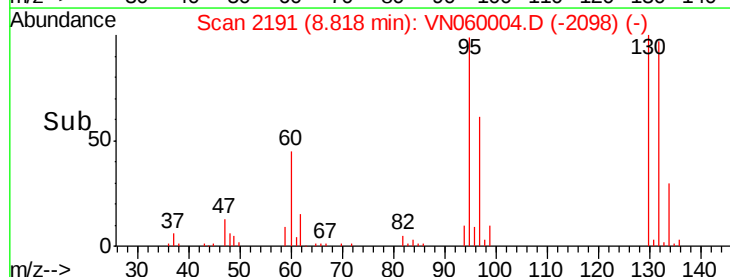
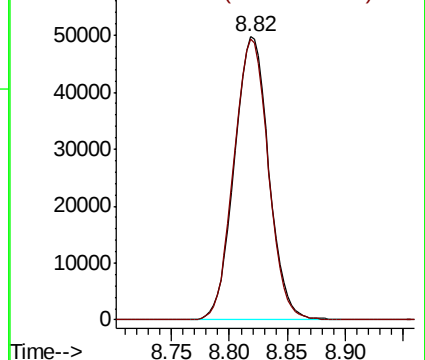
130 100

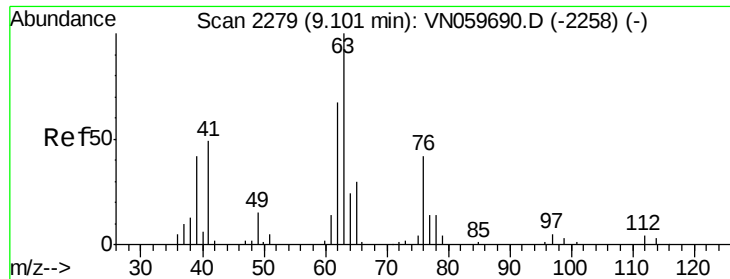
95 99.1 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 52.933 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

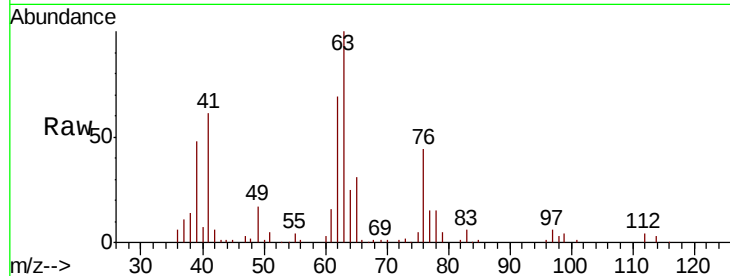
VSTDCCC050EC

Tot Ion: 63 Resp: 100575

Ion Ratio Lower Upper

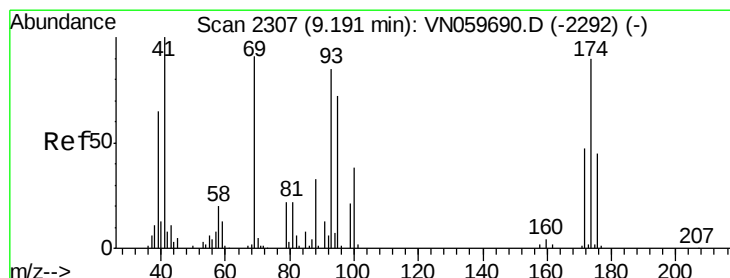
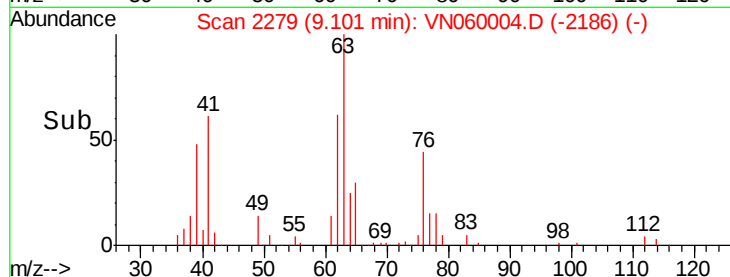
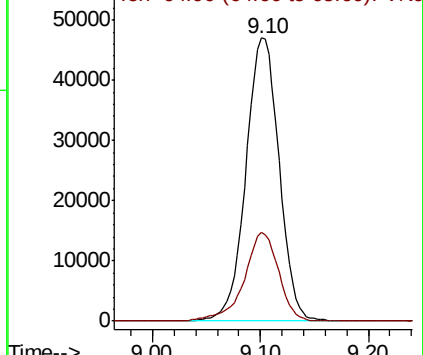
63 100

65 31.2 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 53.617 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

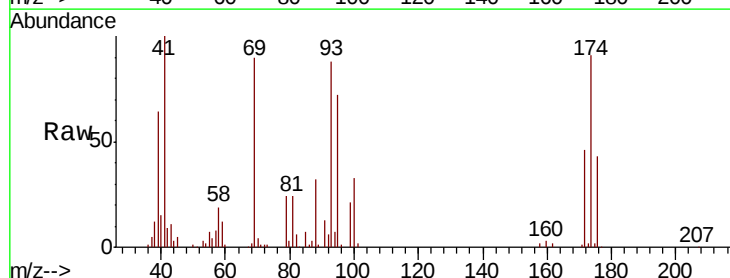
Tgt Ion: 93 Resp: 71863

Ion Ratio Lower Upper

93 100

95 82.3 67.0 100.6

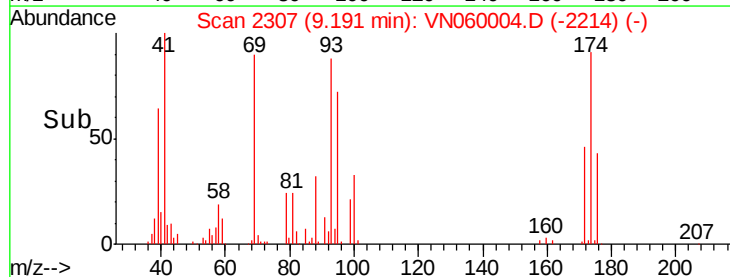
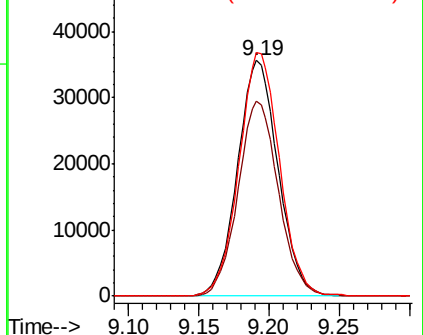
174 103.1 73.4 110.2

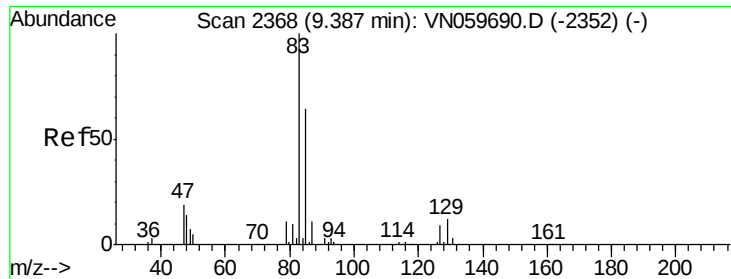


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

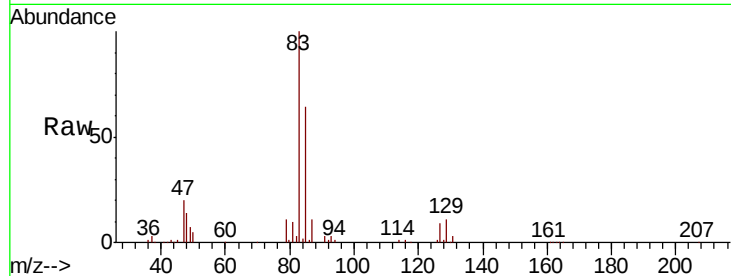




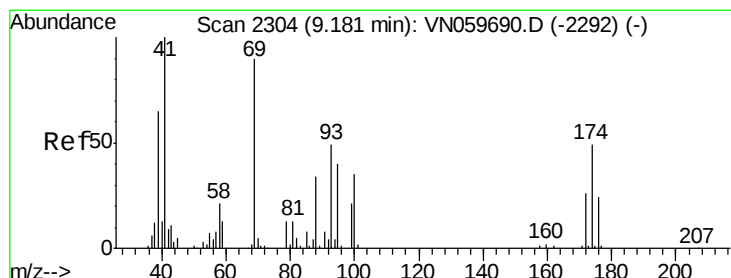
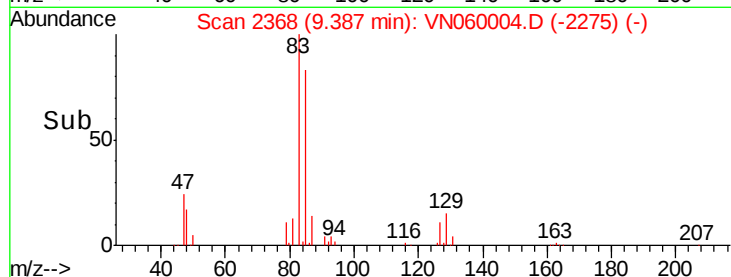
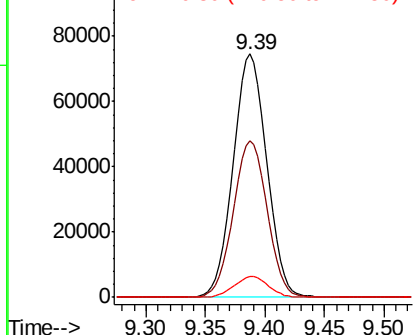
#47
Bromodichloromethane
Concen: 54.130 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 146202
Ion Ratio Lower Upper
83 100
85 64.4 51.1 76.7
127 8.8 6.6 9.8

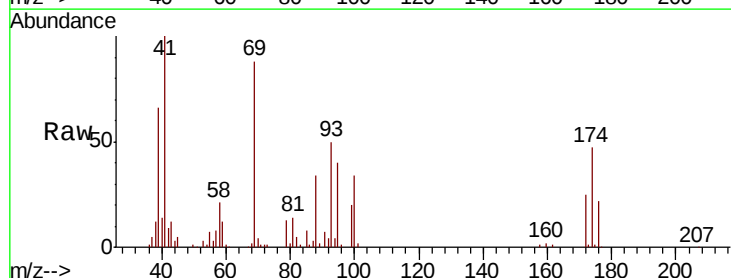


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

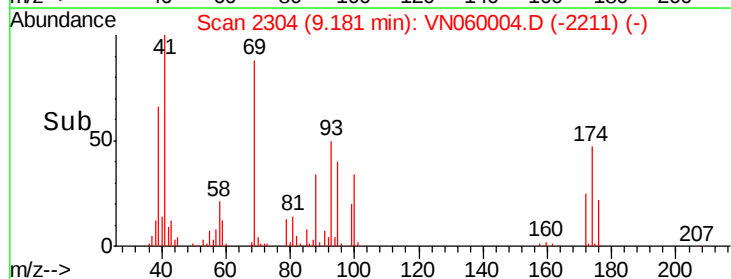
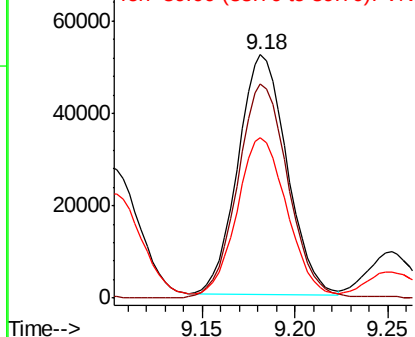


#48
Methyl methacrylate
Concen: 51.536 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 41 Resp: 95747
Ion Ratio Lower Upper
41 100
69 92.3 64.4 96.6
39 68.7 51.3 76.9



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

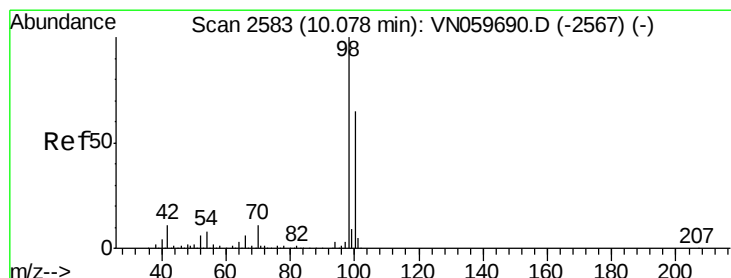
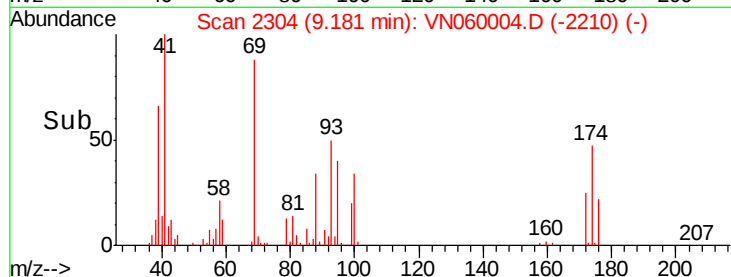
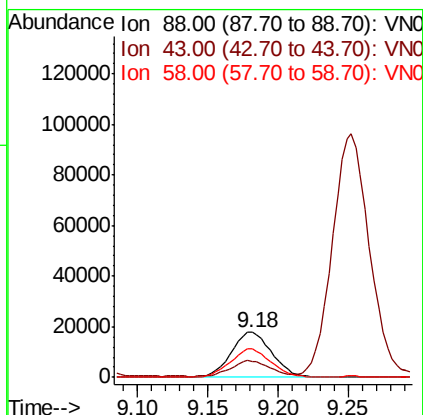
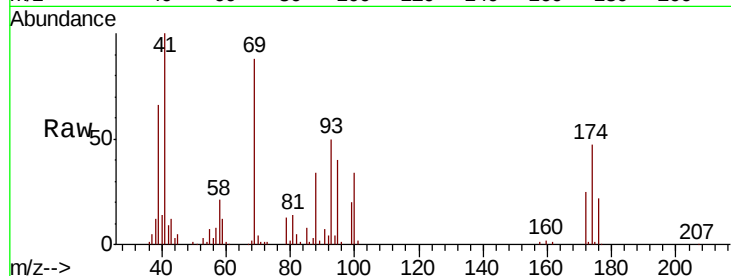




#49
1,4-Dioxane
Concen: 1065.930 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

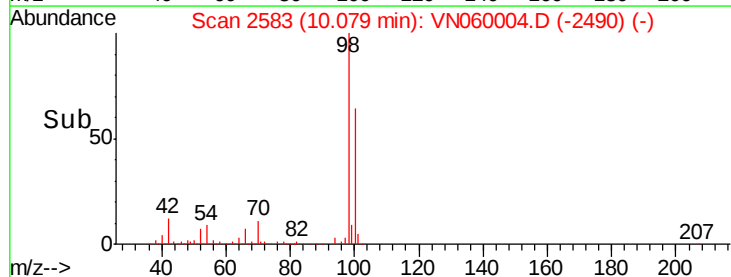
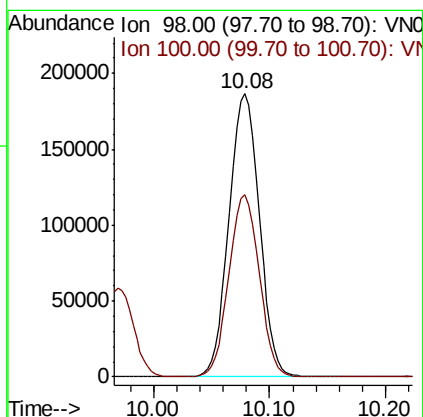
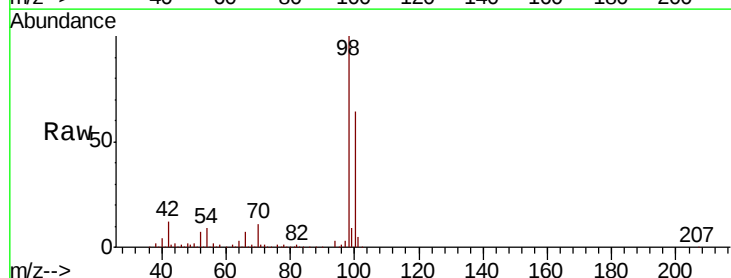
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 36253
Ion Ratio Lower Upper
88 100
43 32.6 29.7 44.5
58 63.0 56.6 85.0



#50
Toluene-d8
Concen: 49.575 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 98 Resp: 338655
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 269.468 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

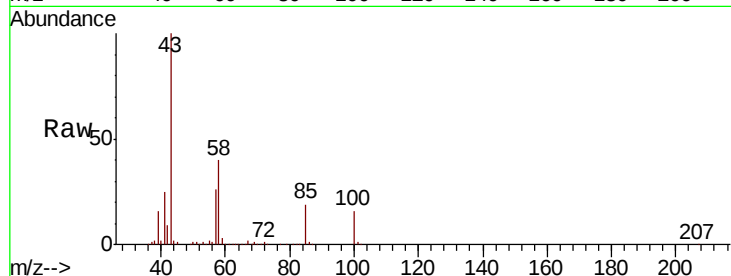
VSTDCCC050EC

Tot Ion: 43 Resp: 646997

Ion Ratio Lower Upper

43 100

58 39.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

300000

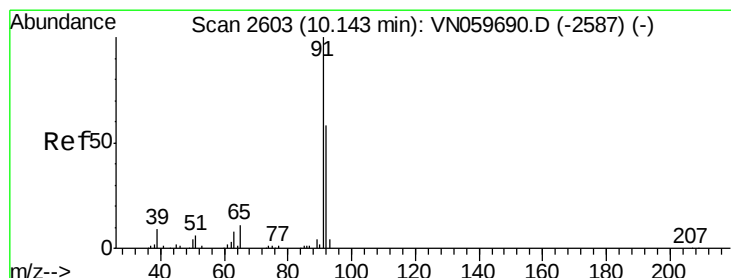
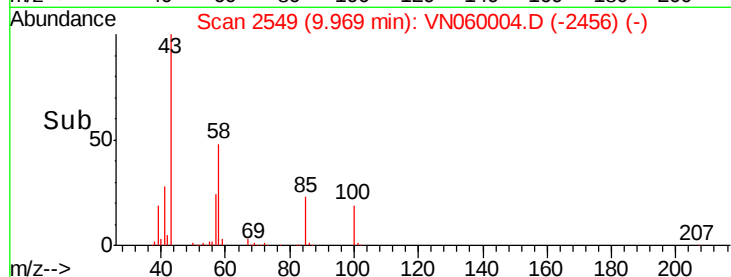
200000

100000

0

Time-->

9.90 9.95 10.00



#52

Toluene

Concen: 50.532 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060004.D

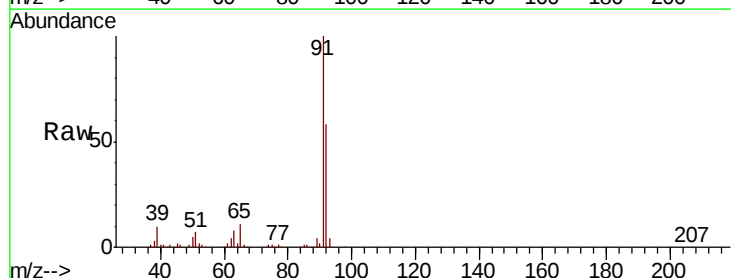
Acq: 4 Feb 2020 18:58

Tgt Ion: 92 Resp: 245083

Ion Ratio Lower Upper

92 100

91 174.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

250000

200000

150000

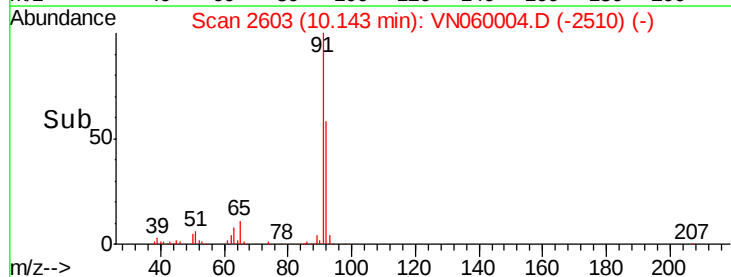
100000

50000

0

Time-->

10.10 10.15 10.20

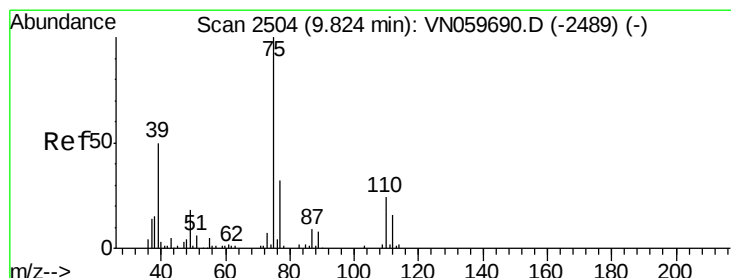
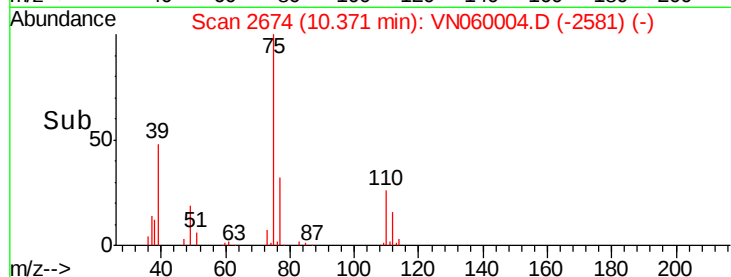
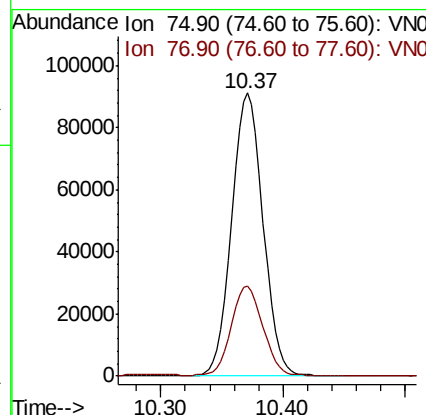
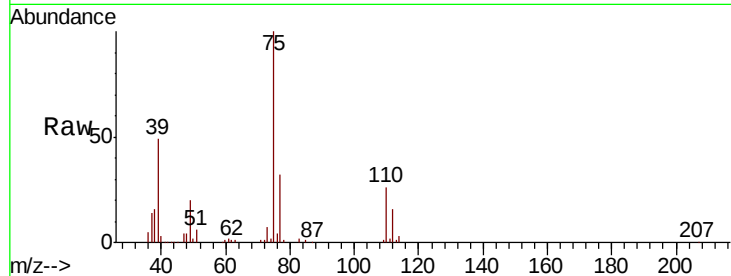




#53
t-1,3-Dichloropropene
Concen: 54.296 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

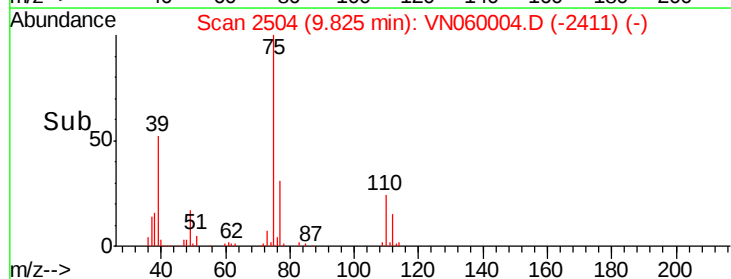
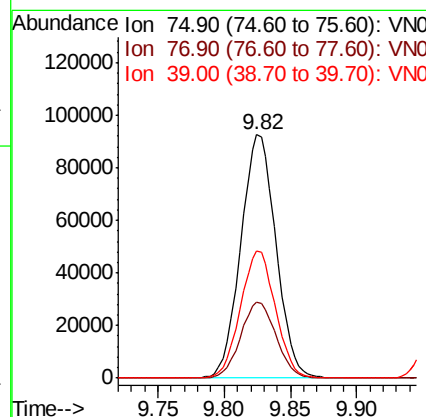
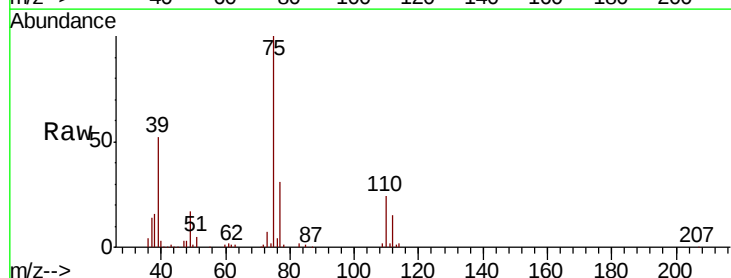
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 163747
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 53.871 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 75 Resp: 170943
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 52.4 46.1 69.1

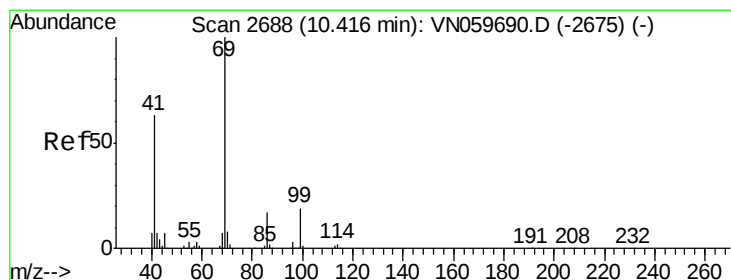
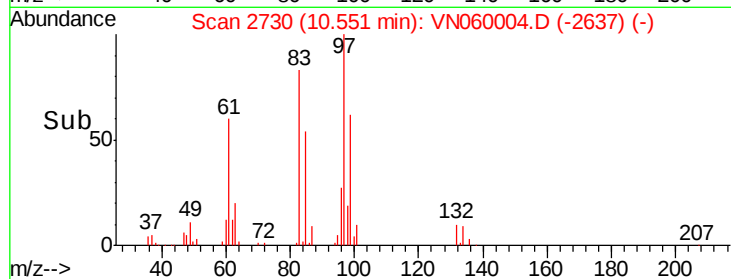
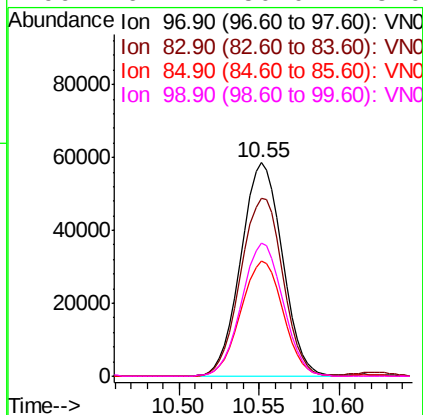
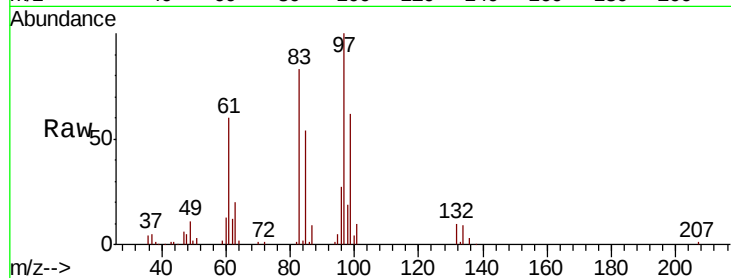




#55
 1,1,2-Trichloroethane
 Concen: 54.148 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

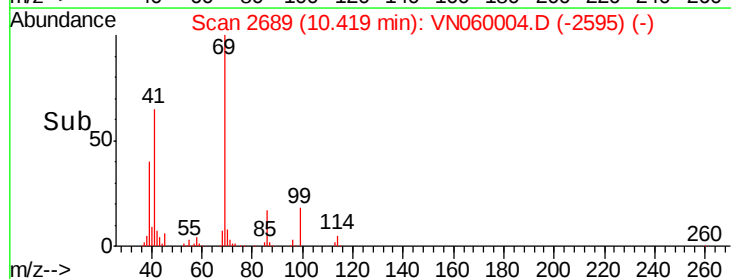
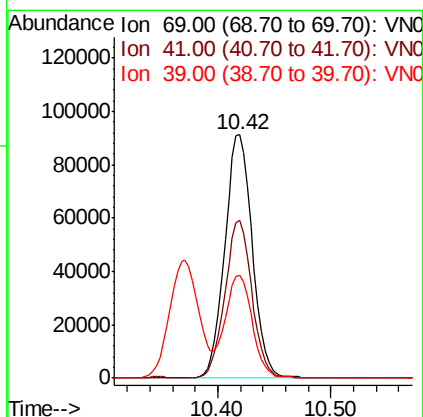
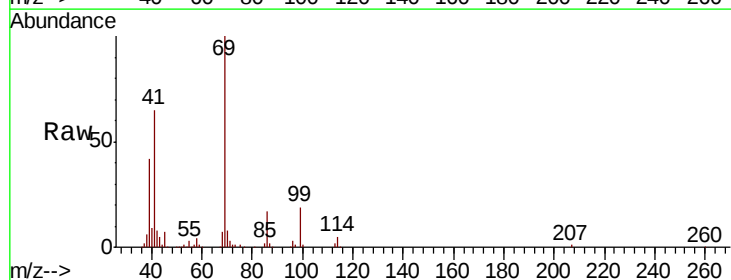
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	104013
Ion	Ratio	Lower	Upper
97	100		
83	83.1	71.3	106.9
85	53.8	45.8	68.8
99	62.4	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 52.513 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	69	Resp	154135
Ion	Ratio	Lower	Upper
69	100		
41	62.9	57.1	85.7
39	42.5	34.7	52.1





#57

1,3-Dichloropropane

Concen: 54.727 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

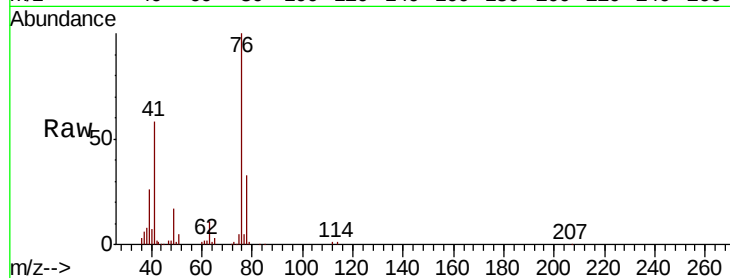
VSTDCCC050EC

Tot Ion: 76 Resp: 166901

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

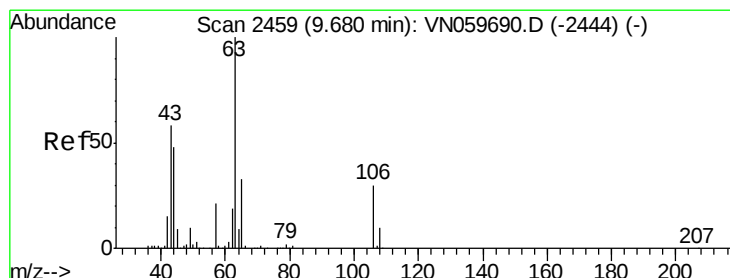
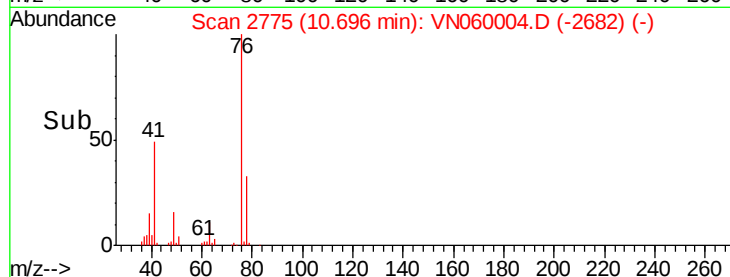
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 291.697 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060004.D

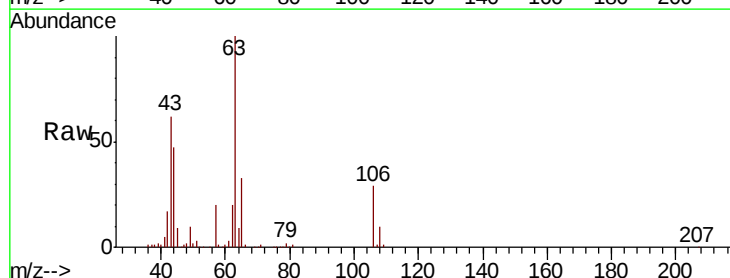
Acq: 4 Feb 2020 18:58

Tgt Ion: 63 Resp: 257883

Ion Ratio Lower Upper

63 100

106 28.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

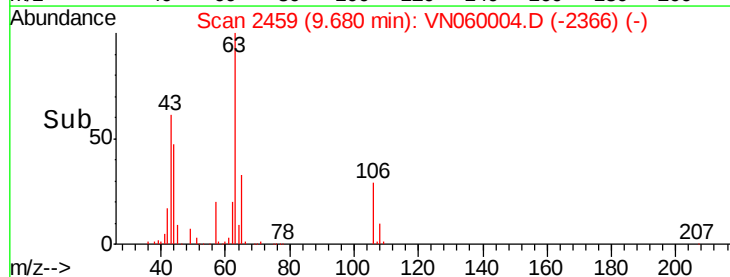
150000

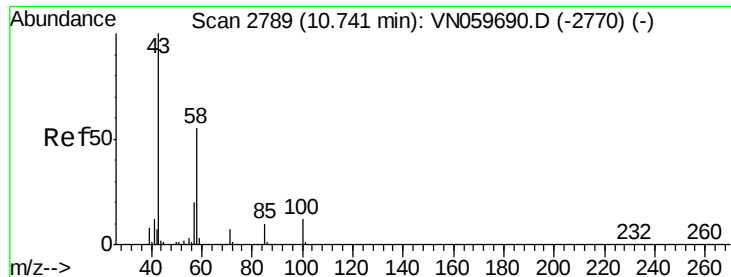
100000

50000

0

Time--> 9.60 9.65 9.70 9.75

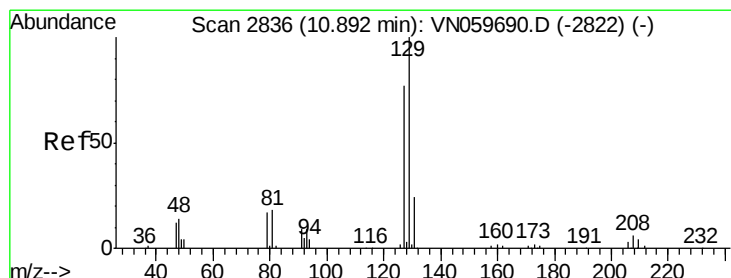
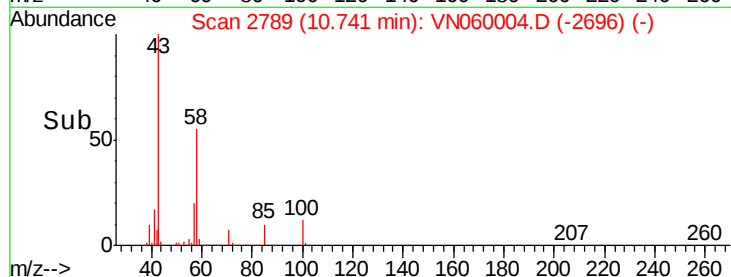
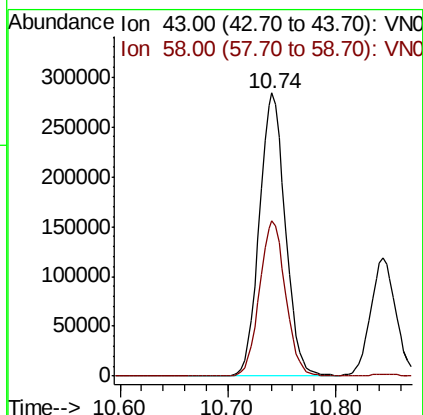
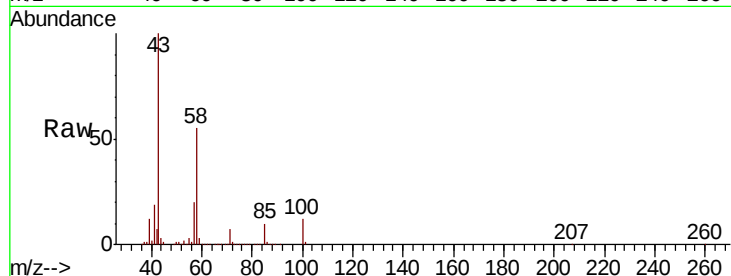




#59
2-Hexanone
Concen: 266.470 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

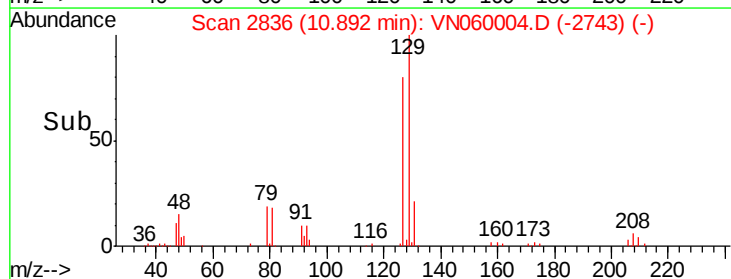
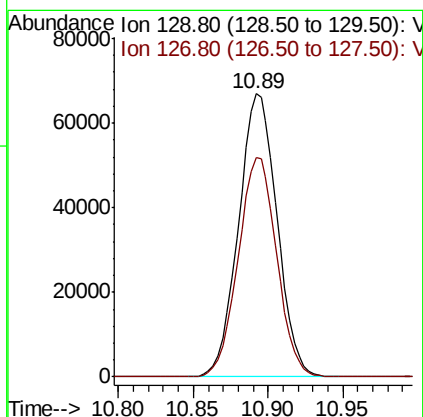
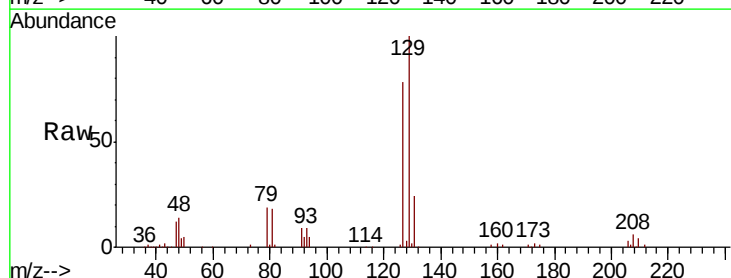
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

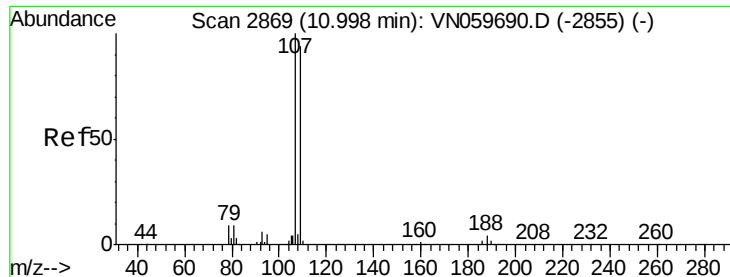
Tot Ion: 43 Resp: 471343
Ion Ratio Lower Upper
43 100
58 55.2 25.8 77.3



#60
Dibromochloromethane
Concen: 54.770 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 129 Resp: 119808
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.241 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

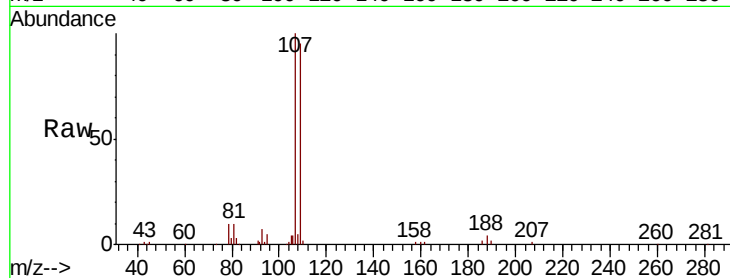
VSTDCCC050EC

Tot Ion:107 Resp: 107193

Ion Ratio Lower Upper

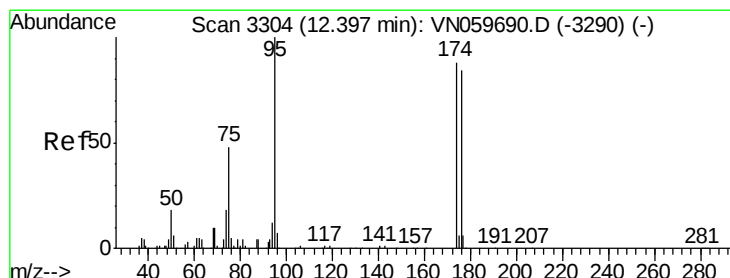
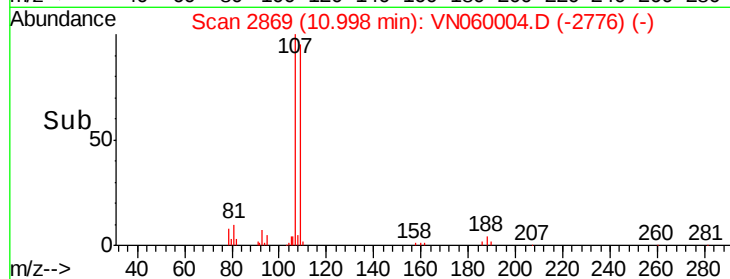
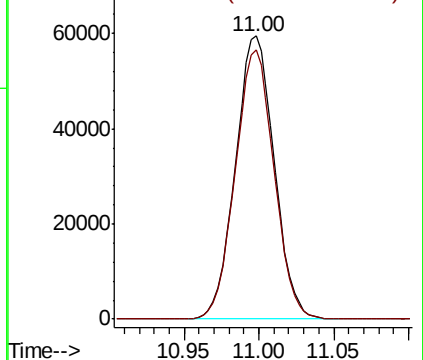
107 100

109 95.1 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.172 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

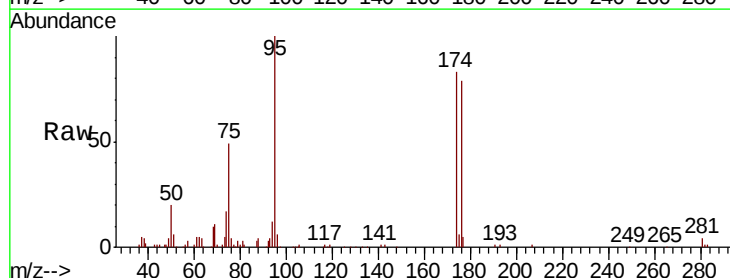
Tgt Ion: 95 Resp: 133404

Ion Ratio Lower Upper

95 100

174 83.9 0.0 151.4

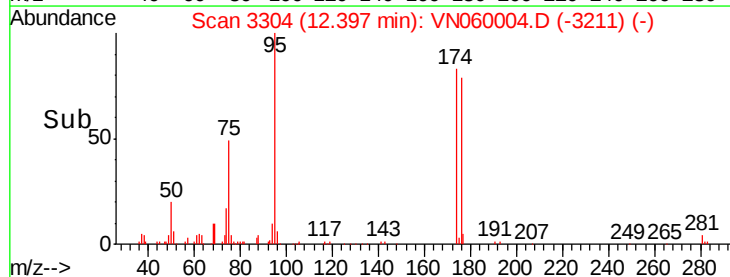
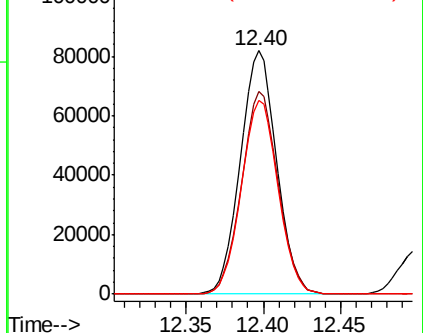
176 80.7 0.0 146.0

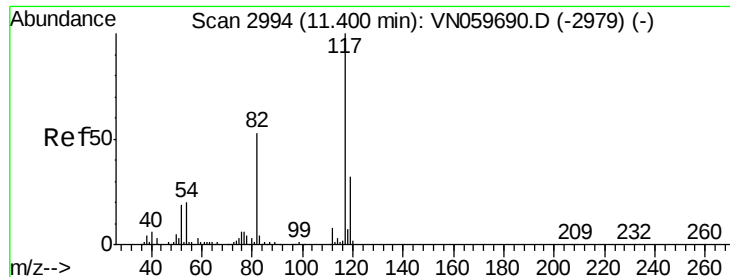


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

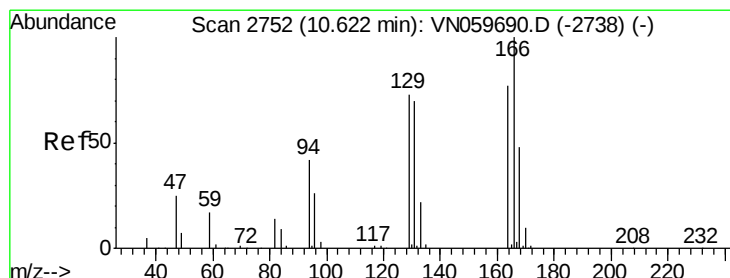
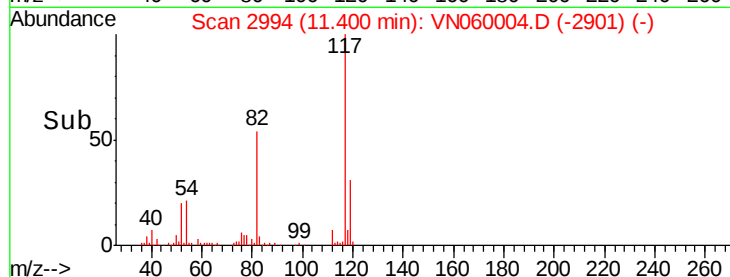
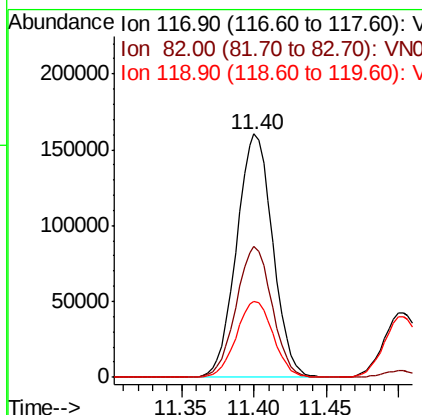
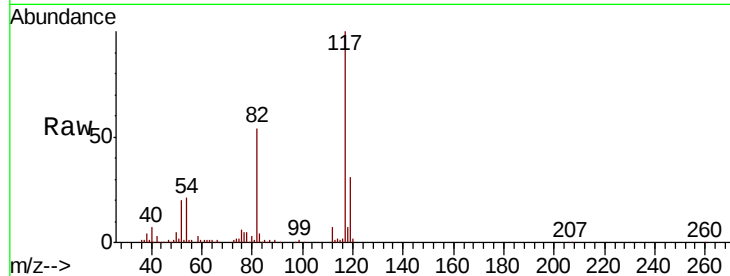




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

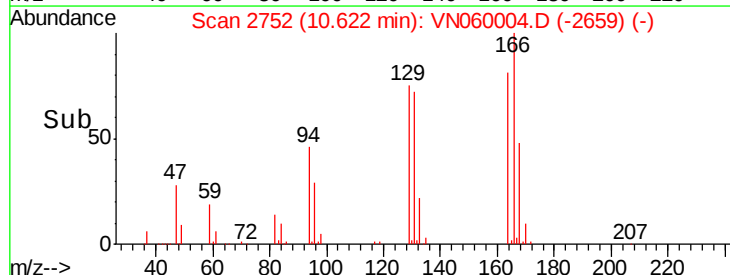
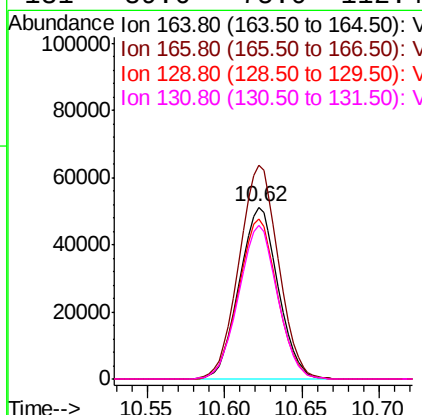
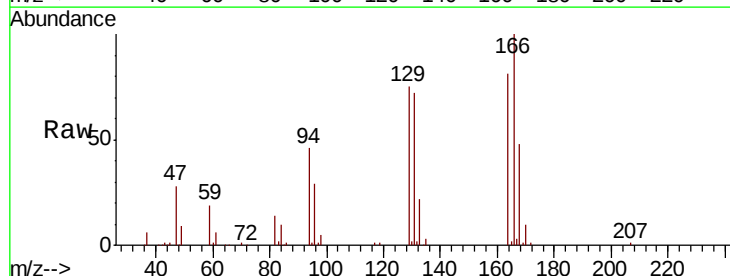
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 277773
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 39.469 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion:164 Resp: 89353
Ion Ratio Lower Upper
164 100
166 124.2 101.4 152.0
129 92.9 80.2 120.4
131 89.6 75.0 112.4





#65

Chlorobenzene

Concen: 50.231 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

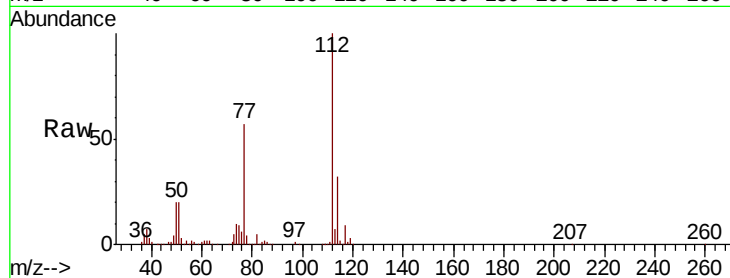
VSTDCCC050EC

Tot Ion:112 Resp: 274247

Ion Ratio Lower Upper

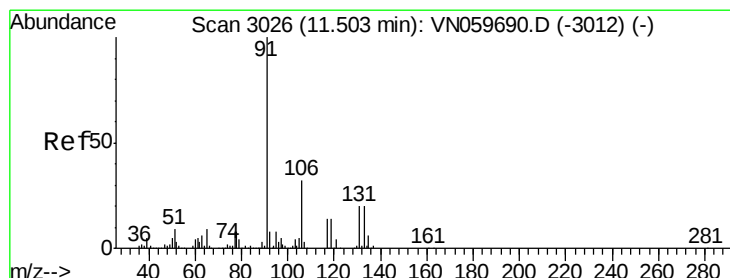
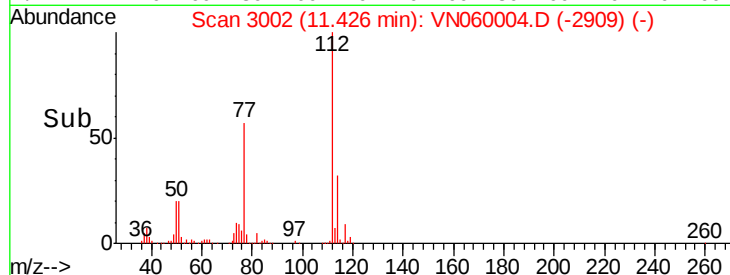
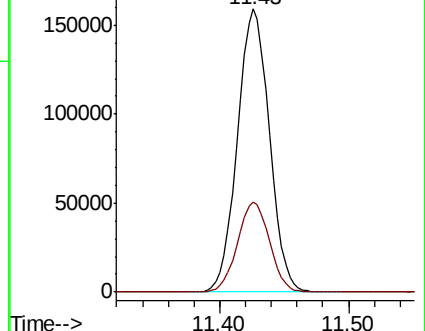
112 100

114 32.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.395 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

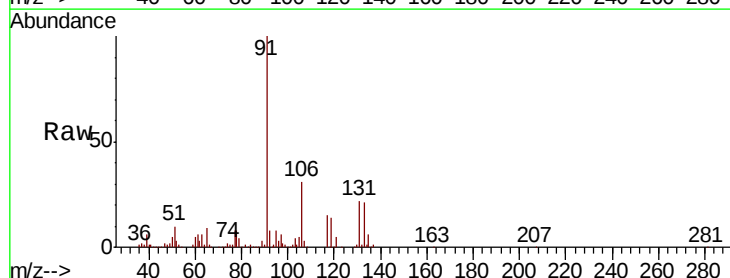
Tgt Ion:131 Resp: 110533

Ion Ratio Lower Upper

131 100

133 95.3 47.4 142.2

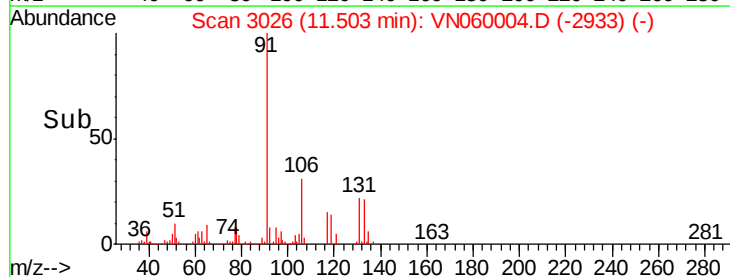
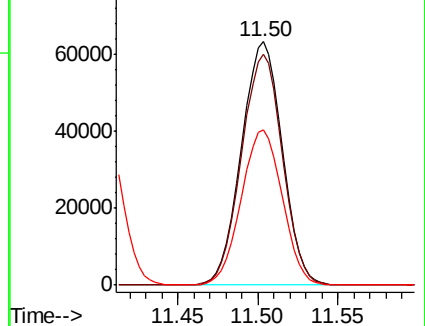
119 63.9 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.242 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

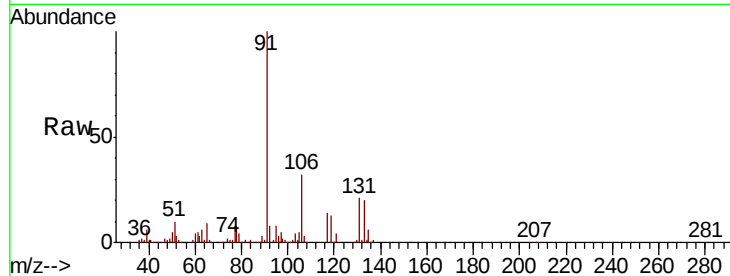
VSTDCCC050EC

Tot Ion: 91 Resp: 488040

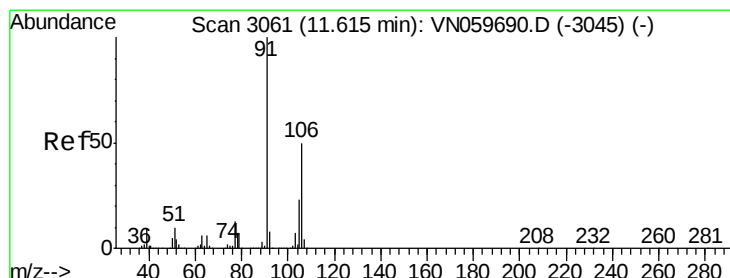
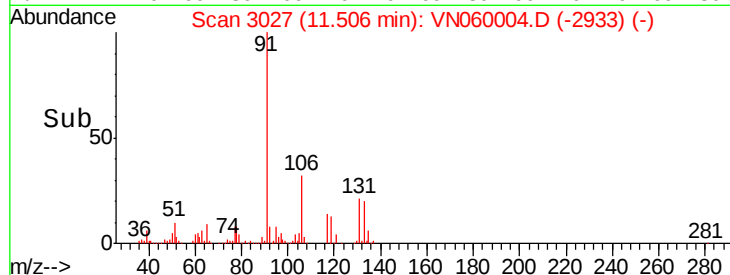
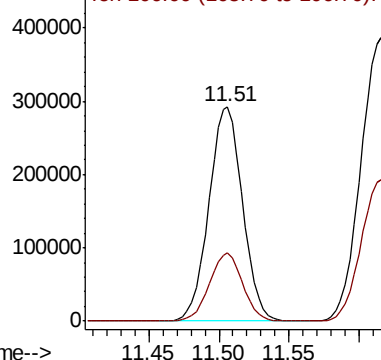
Ion Ratio Lower Upper

91 100

106 31.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN060004.D (-2933) (-)



#68

m/p-Xylenes

Concen: 98.519 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060004.D

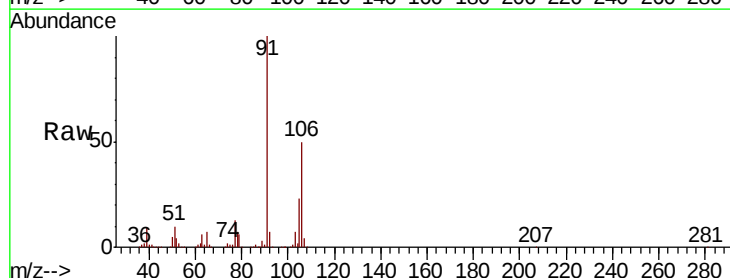
Acq: 4 Feb 2020 18:58

Tgt Ion: 106 Resp: 368839

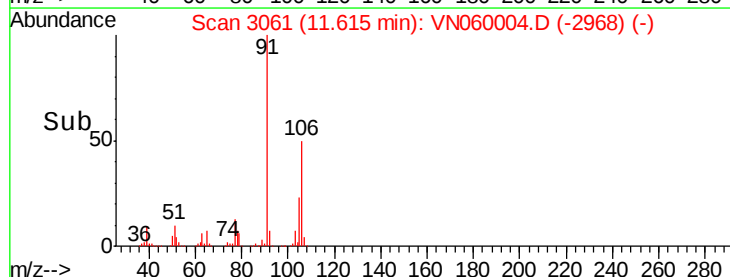
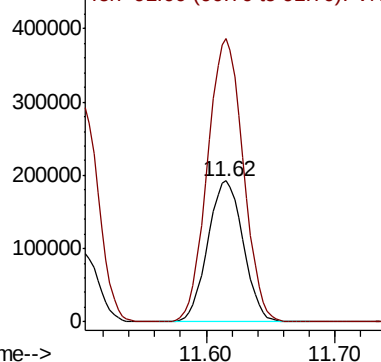
Ion Ratio Lower Upper

106 100

91 201.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN060004.D (-2968) (-)

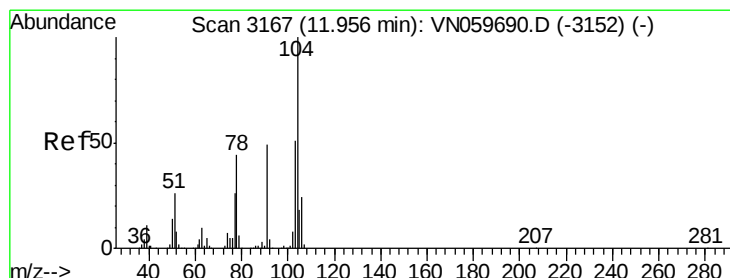
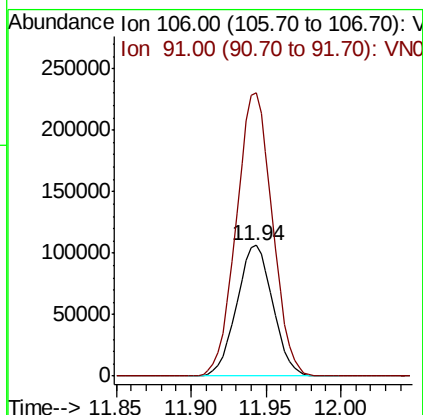
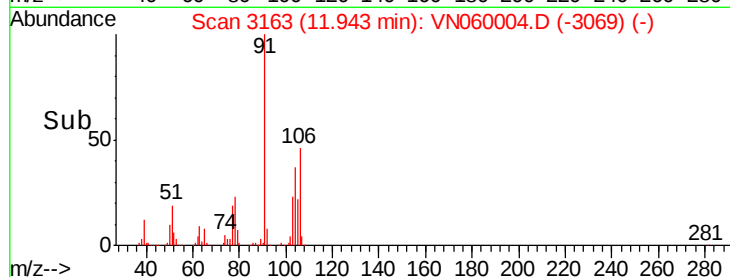
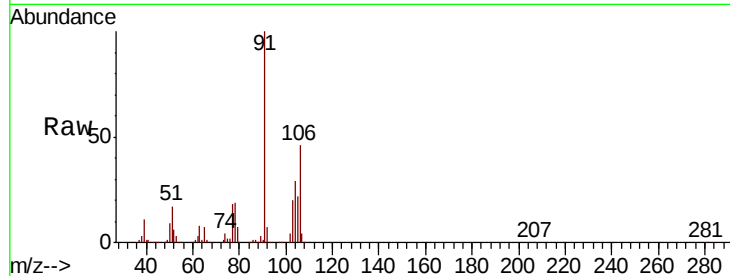




#69
o-Xylene
Concen: 48.683 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

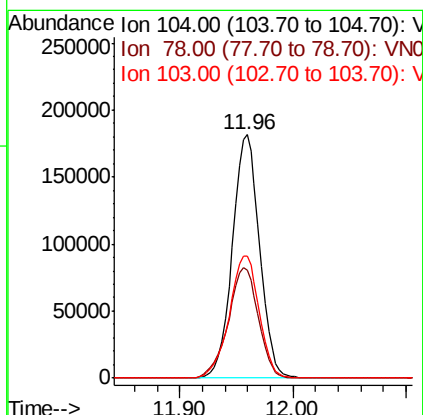
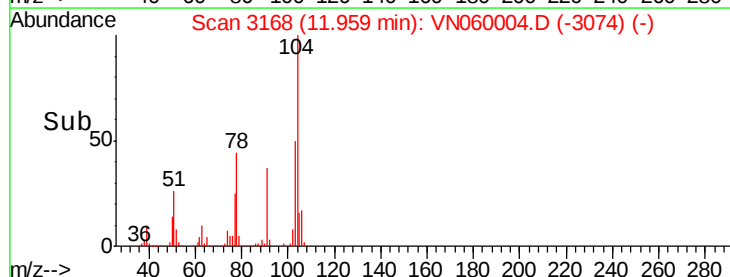
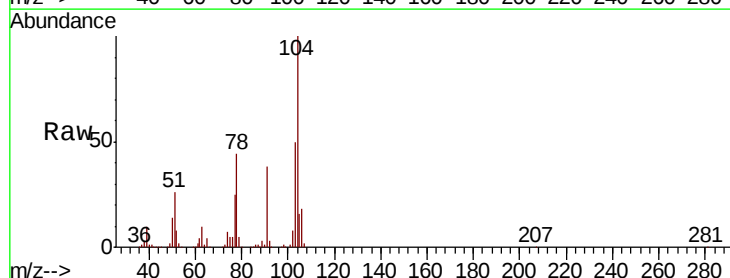
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

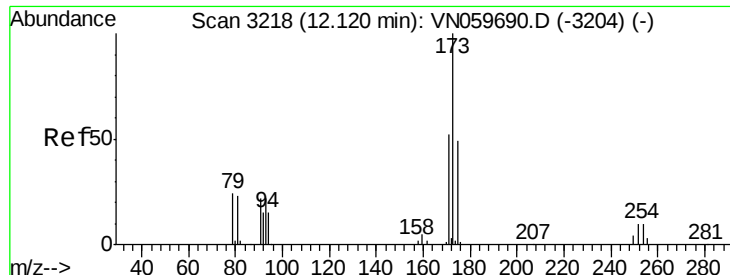
Tot Ion:106 Resp: 178435
Ion Ratio Lower Upper
106 100
91 216.4 110.3 330.9



#70
Styrene
Concen: 49.416 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion:104 Resp: 303078
Ion Ratio Lower Upper
104 100
78 50.1 42.4 63.6
103 55.2 43.9 65.9





#71

Bromoform

Concen: 53.969 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

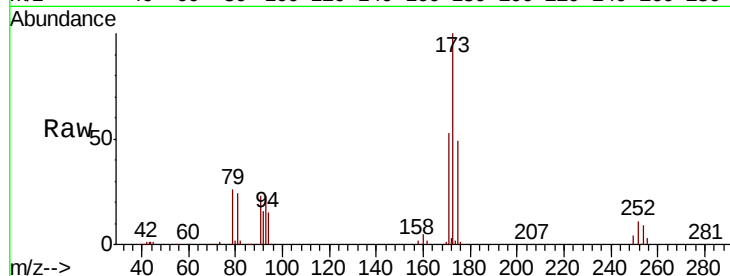
Tot Ion:173 Resp: 91200

Ion Ratio Lower Upper

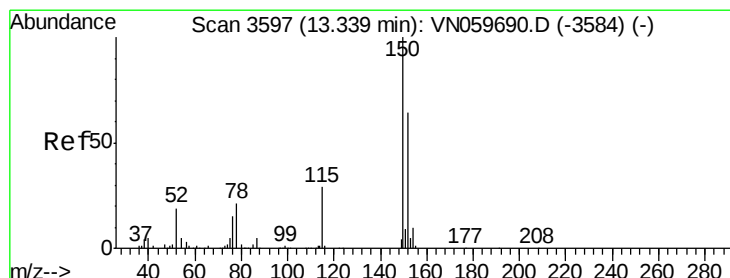
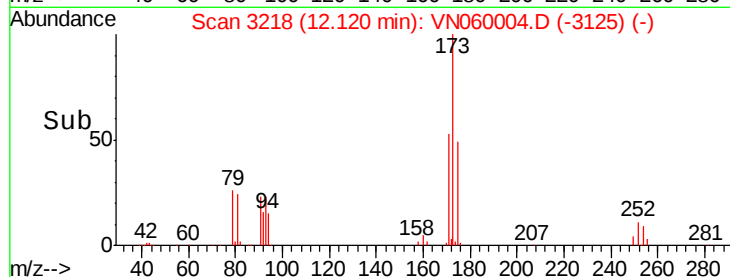
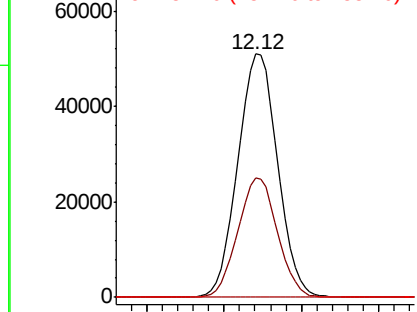
173 100

175 48.6 23.8 71.4

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

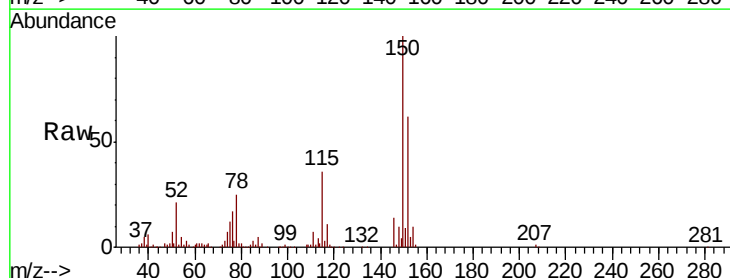
Tgt Ion:152 Resp: 141345

Ion Ratio Lower Upper

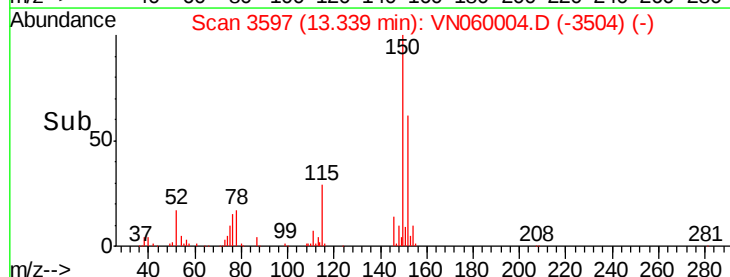
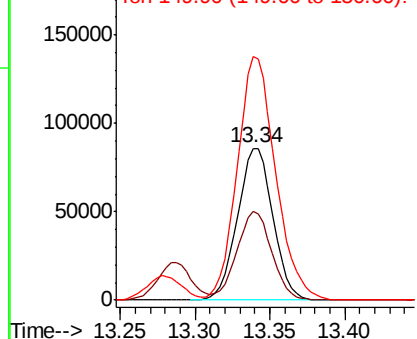
152 100

115 57.7 30.3 90.9

150 174.0 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.383 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

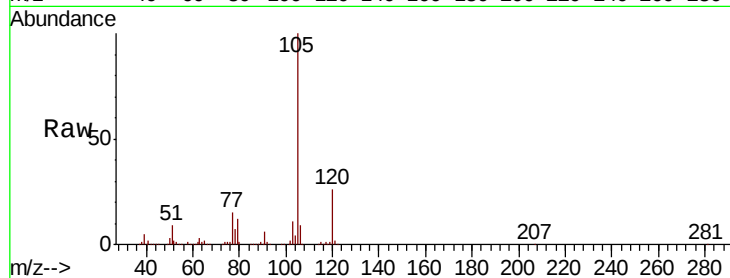
VSTDCCC050EC

Tot Ion:105 Resp: 491178

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

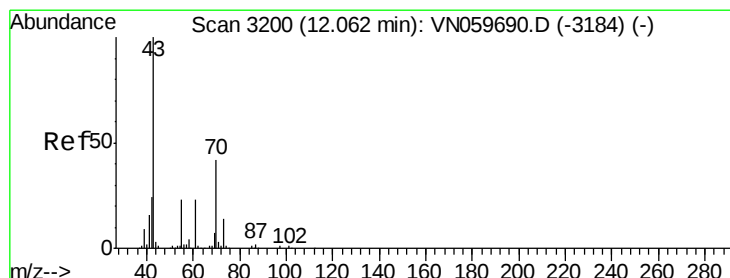
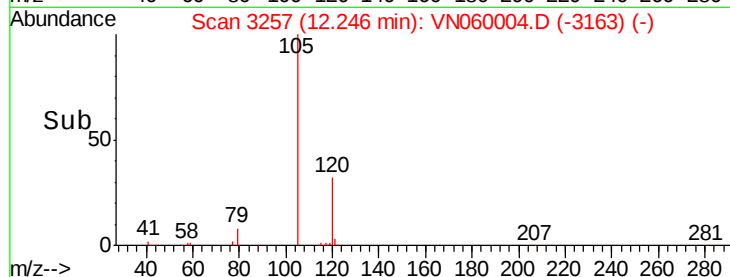
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 49.086 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Tgt Ion: 43 Resp: 197443

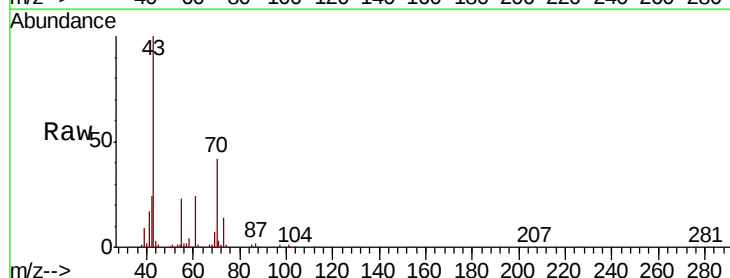
Ion Ratio Lower Upper

43 100

70 41.8 31.3 46.9

55 23.3 19.8 29.6

61 24.3 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

200000

150000

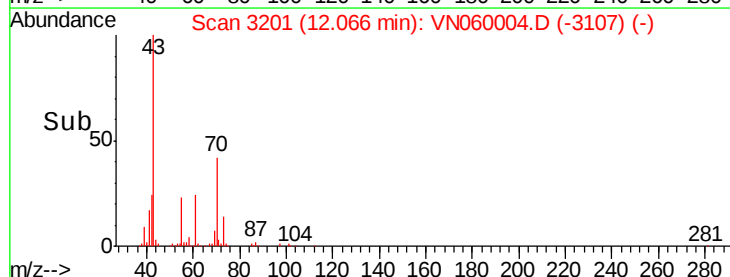
100000

50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 52.739 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

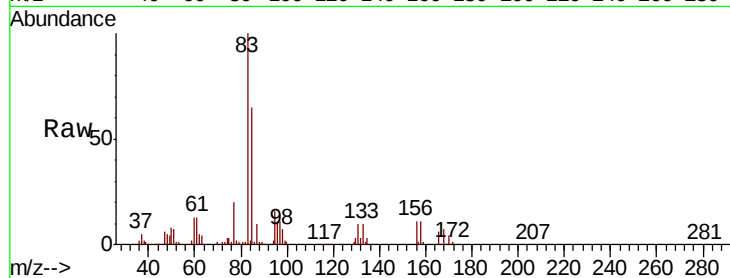
Tot Ion: 83 Resp: 158489

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

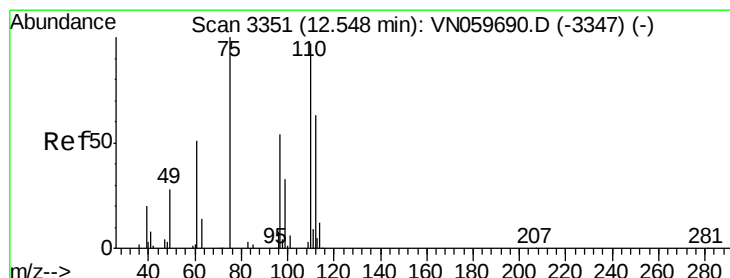
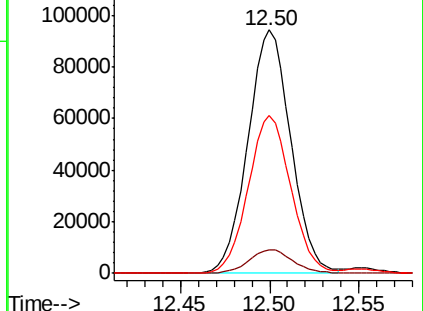
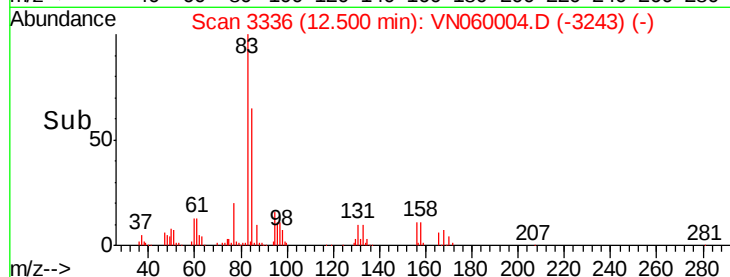
85 64.4 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN060004.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060004.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060004.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 85.792 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060004.D

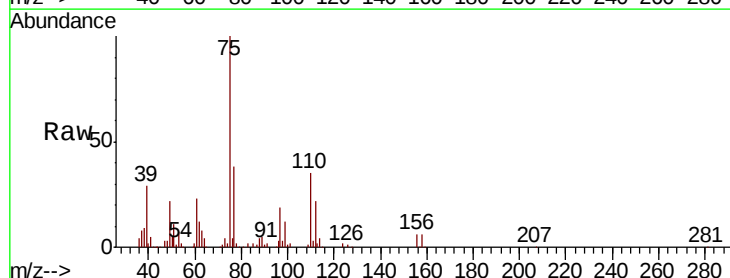
Acq: 4 Feb 2020 18:58

Tgt Ion: 75 Resp: 204073

Ion Ratio Lower Upper

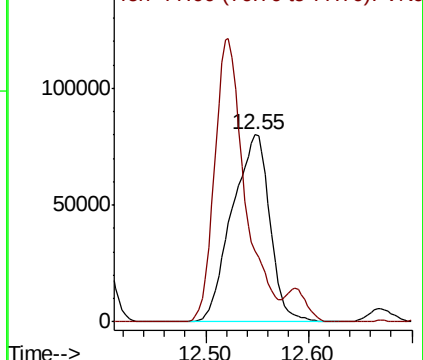
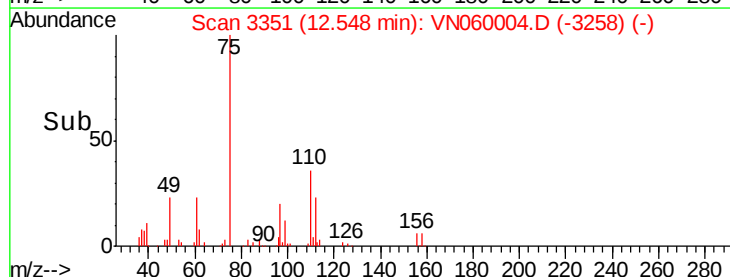
75 100

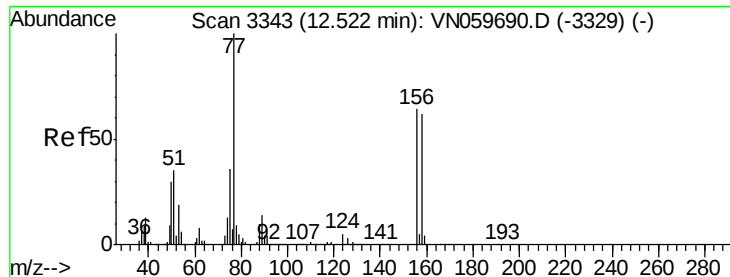
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060004.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060004.D (-3258) (-)





#77

Bromobenzene

Concen: 47.560 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

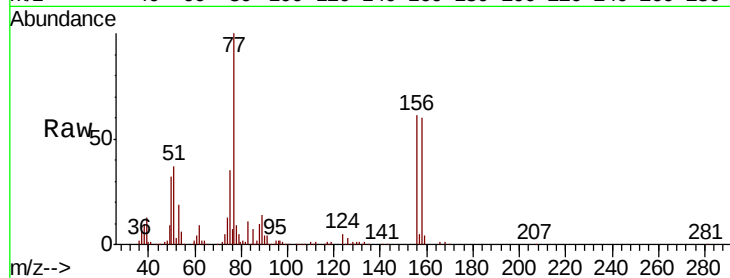
Tot Ion:156 Resp: 124850

Ion Ratio Lower Upper

156 100

77 198.0 115.8 347.4

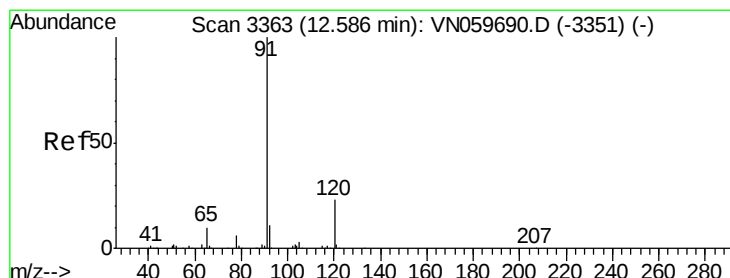
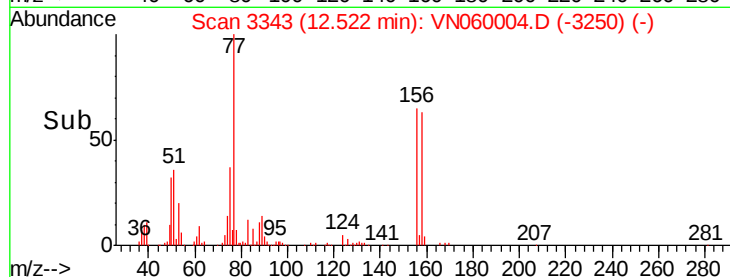
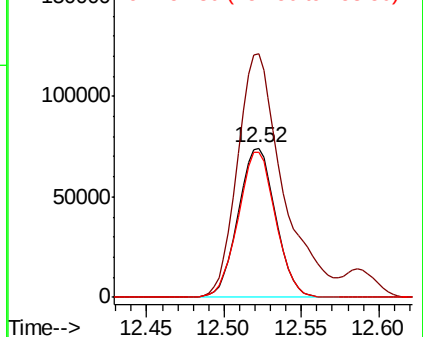
158 97.5 49.2 147.6



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: 47.579 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060004.D

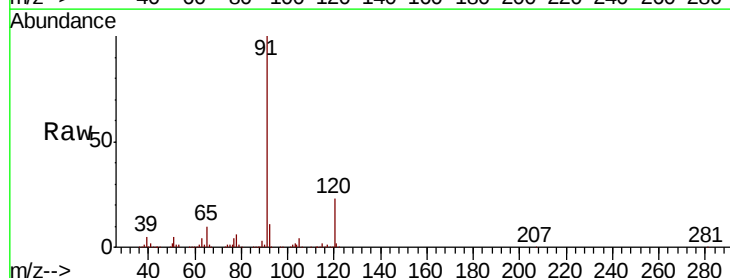
Acq: 4 Feb 2020 18:58

Tgt Ion: 91 Resp: 553580

Ion Ratio Lower Upper

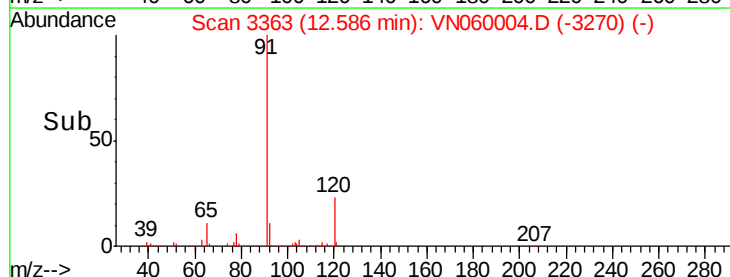
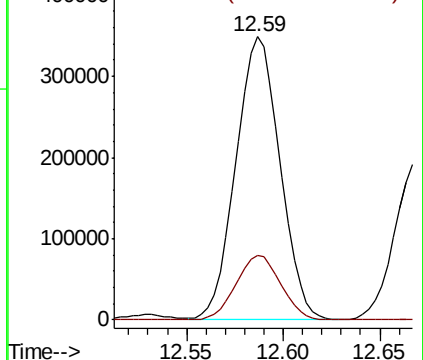
91 100

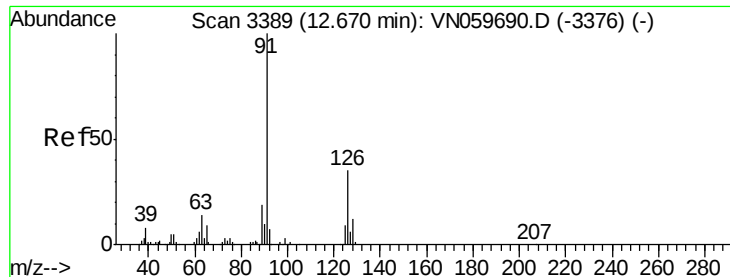
120 23.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

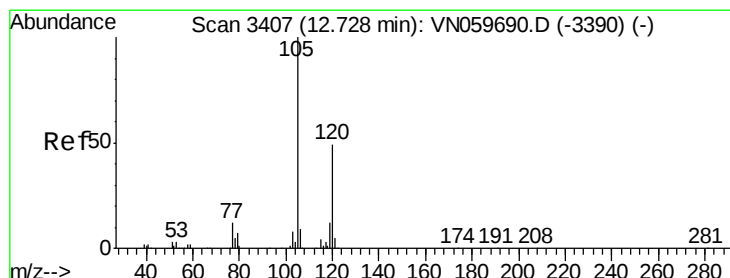
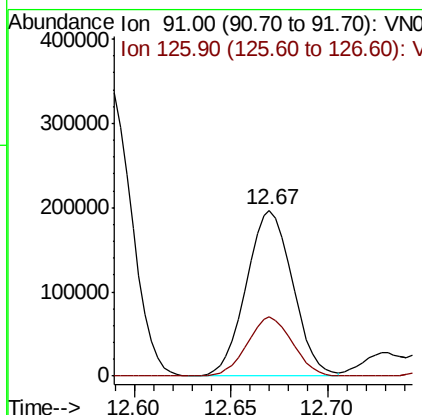
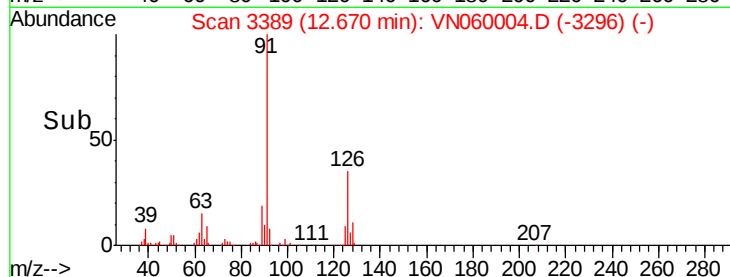
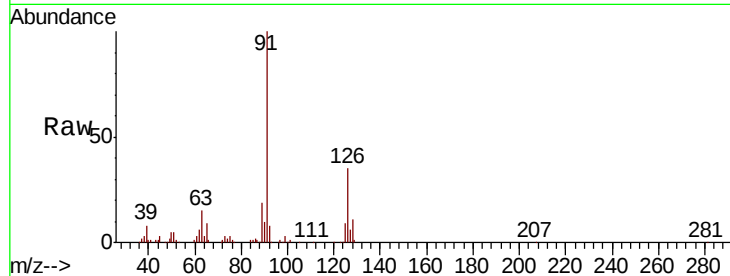




#79
 2-Chlorotoluene
 Concen: 47.699 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

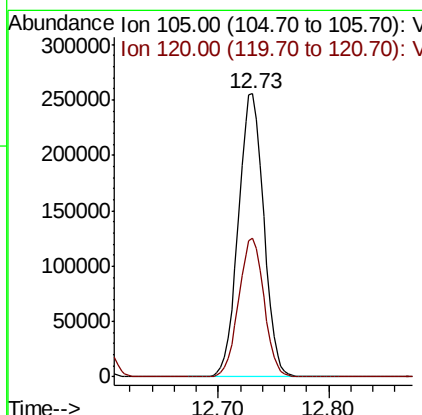
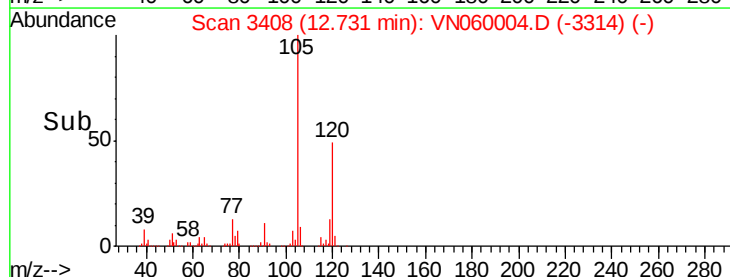
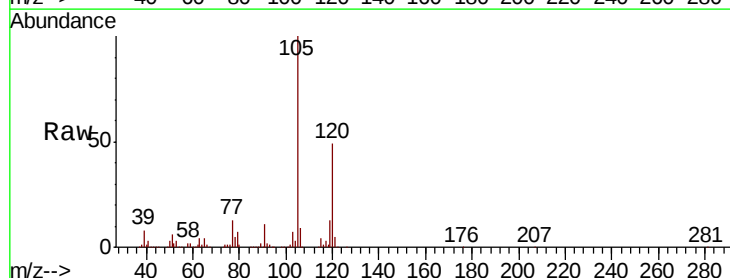
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 330154
 Ion Ratio Lower Upper
 91 100
 126 34.8 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 46.730 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion: 105 Resp: 407392
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.090 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

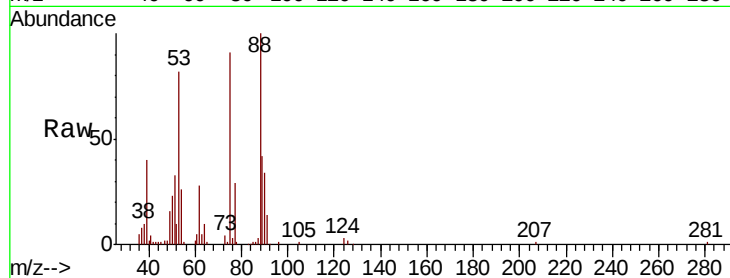
Tot Ion: 75 Resp: 56590

Ion Ratio Lower Upper

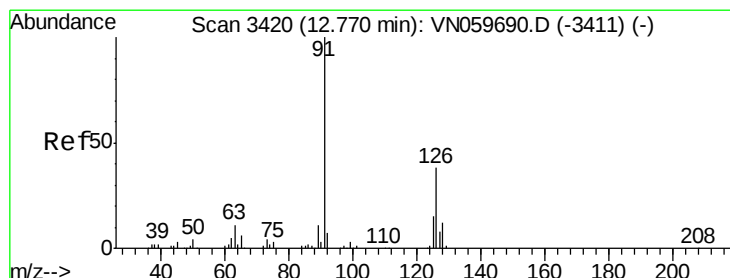
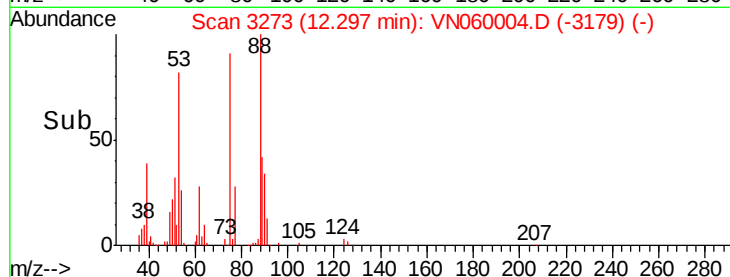
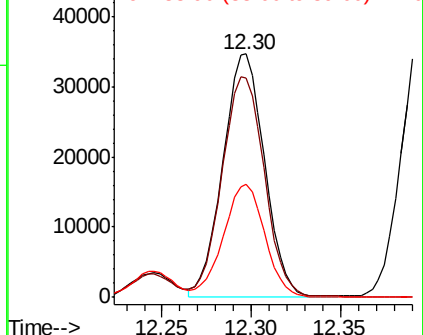
75 100

53 92.4 78.1 117.1

89 46.1 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 49.391 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060004.D

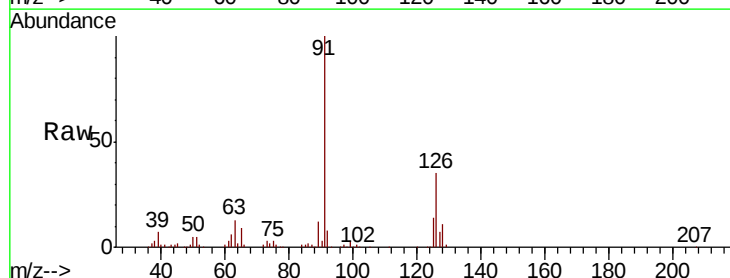
Acq: 4 Feb 2020 18:58

Tgt Ion: 91 Resp: 342897

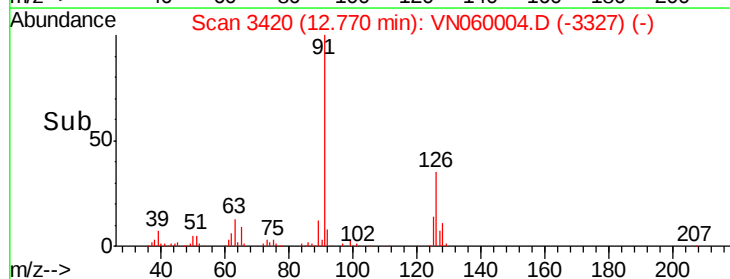
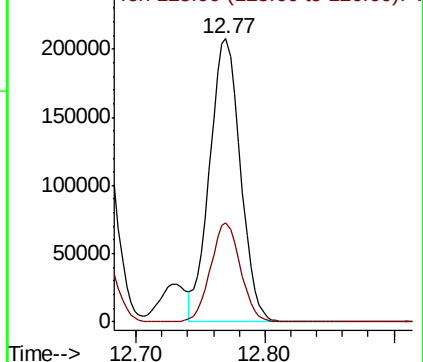
Ion Ratio Lower Upper

91 100

126 34.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): VNO

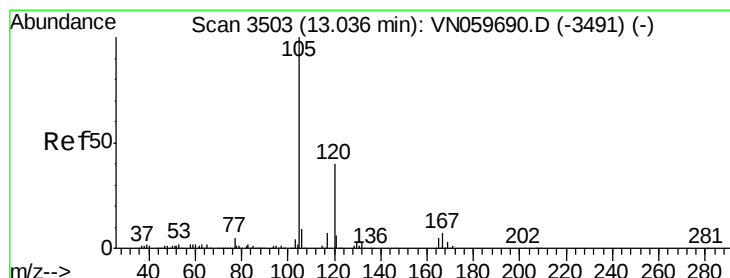
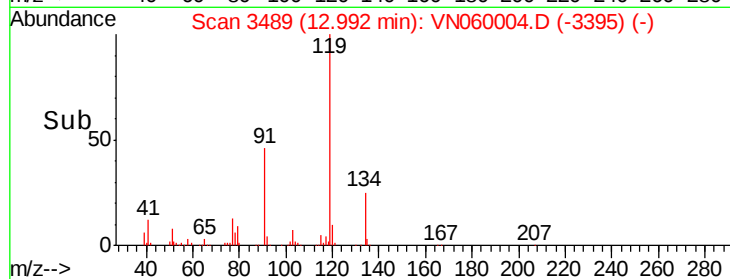
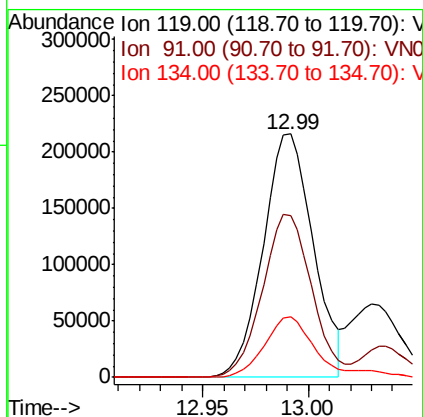
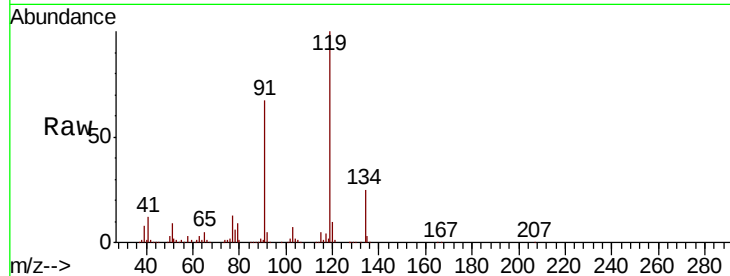




#83
tert-Butylbenzene
Concen: 47.351 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

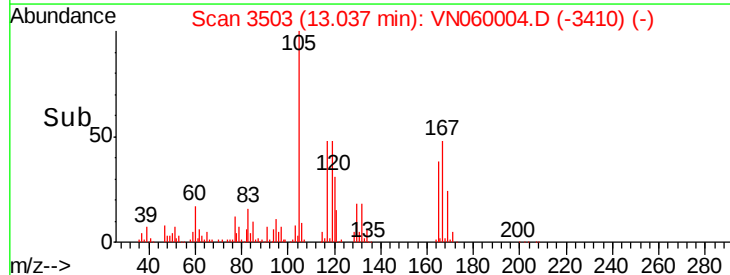
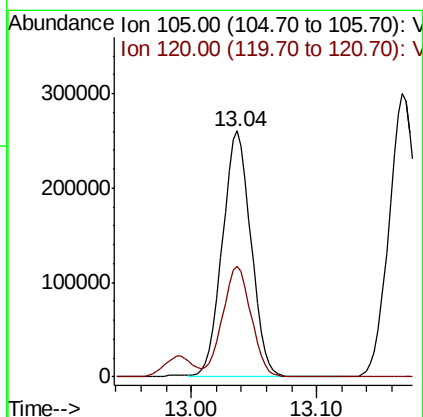
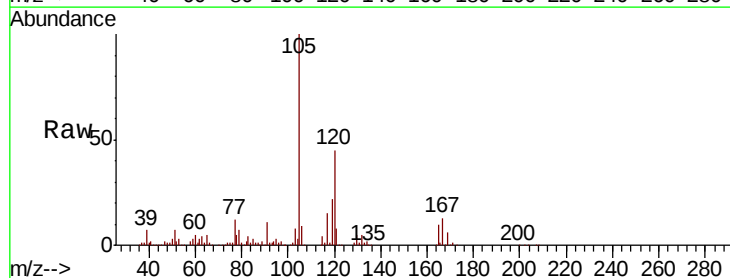
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 357027
Ion Ratio Lower Upper
119 100
91 65.6 34.8 104.4
134 24.3 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 47.929 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion:105 Resp: 413376
Ion Ratio Lower Upper
105 100
120 45.2 22.3 66.9





#85

sec-Butylbenzene

Concen: 47.630 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

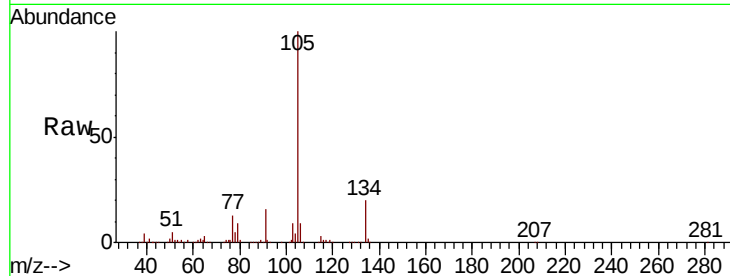
VSTDCCC050EC

Tot Ion:105 Resp: 471837

Ion Ratio Lower Upper

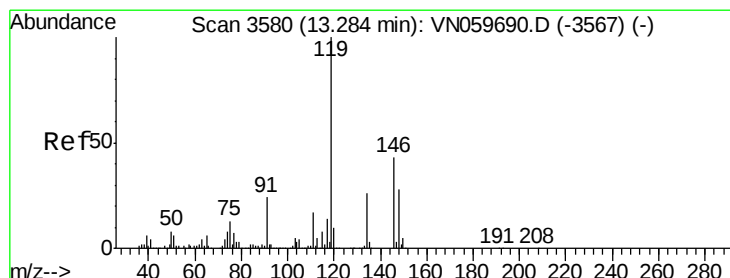
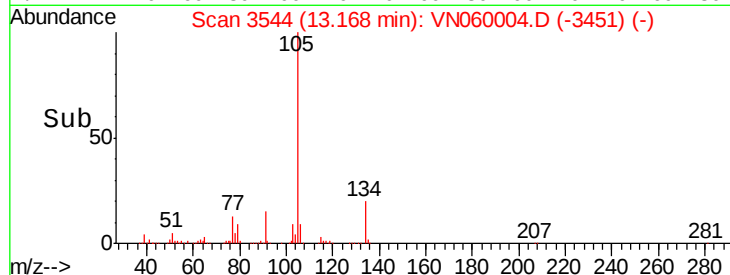
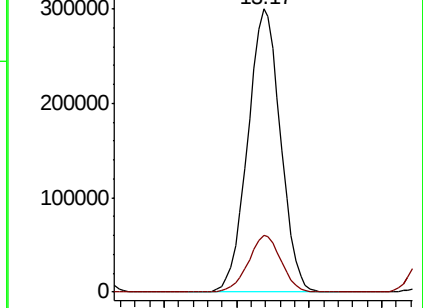
105 100

134 20.0 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: 46.931 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

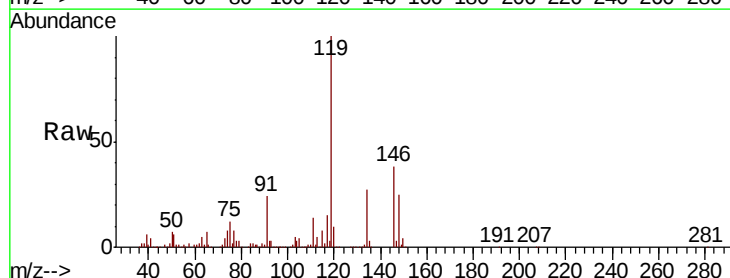
Tgt Ion:119 Resp: 430182

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

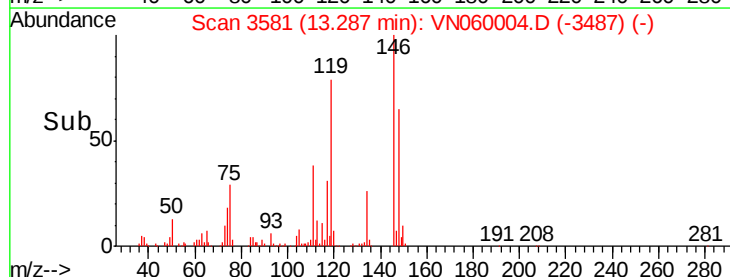
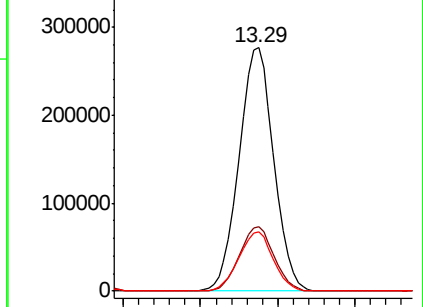
91 24.2 12.4 37.4



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: 49.579 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

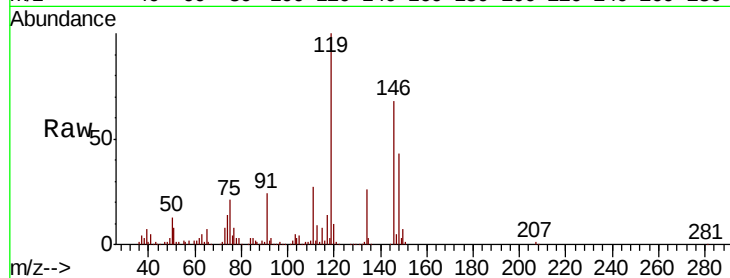
Tot Ion:146 Resp: 226077

Ion Ratio Lower Upper

146 100

111 38.8 20.8 62.2

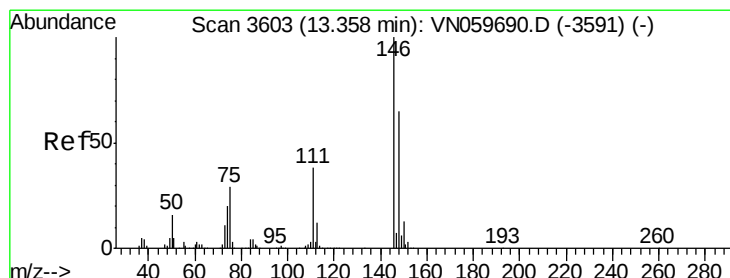
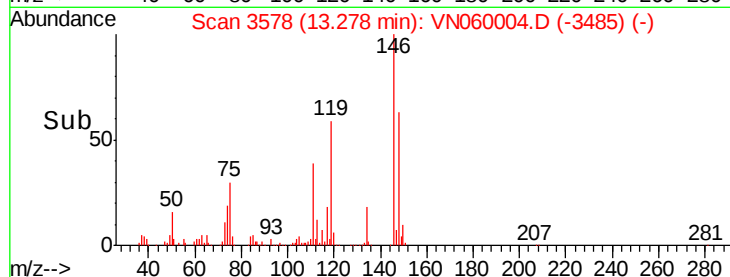
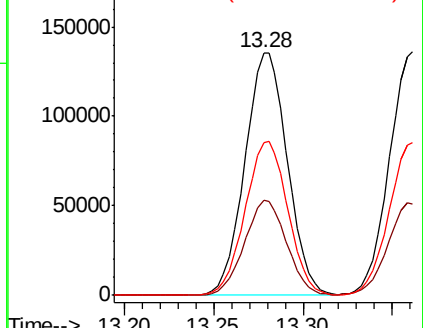
148 63.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.235 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060004.D

Acq: 4 Feb 2020 18:58

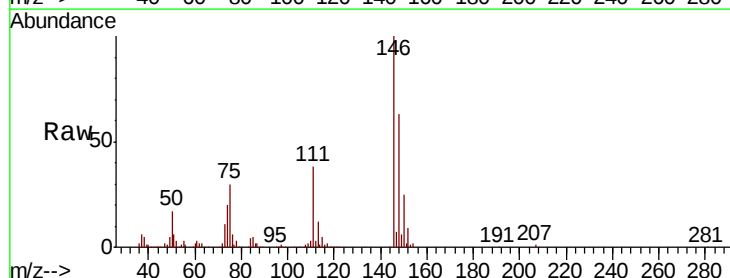
Tgt Ion:146 Resp: 223969

Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

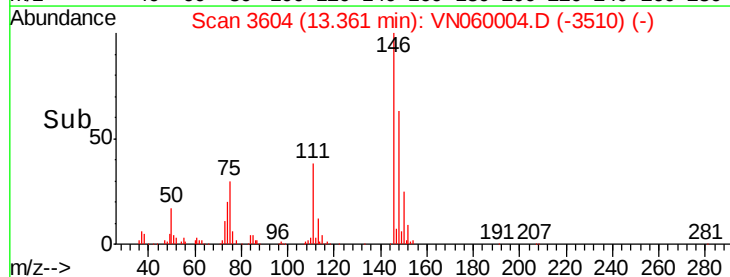
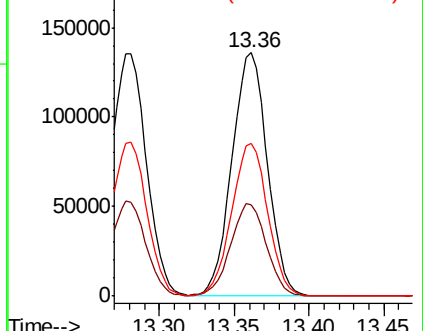
148 63.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

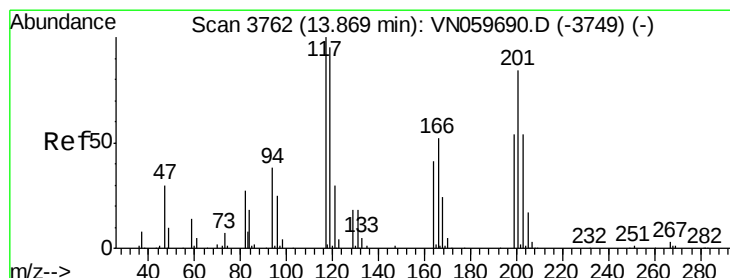
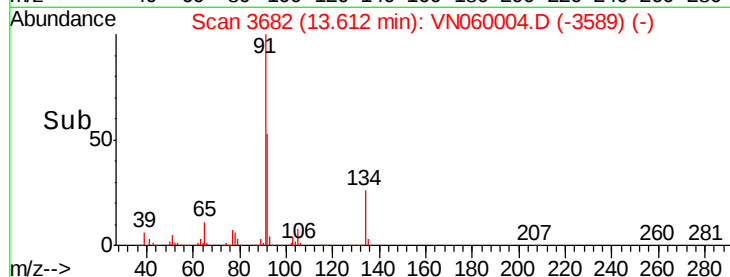
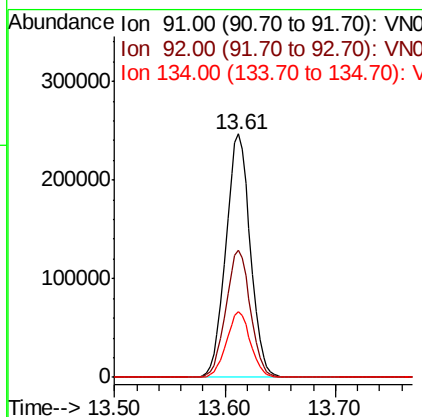
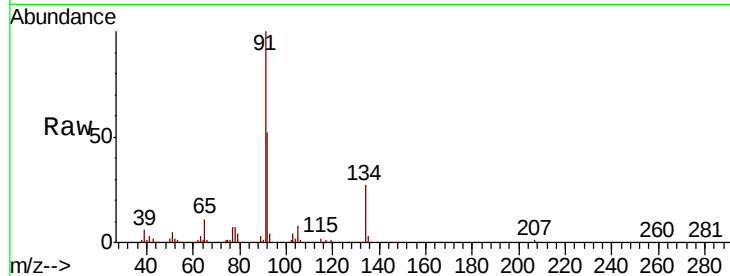




#89
n-Butylbenzene
Concen: 48.405 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

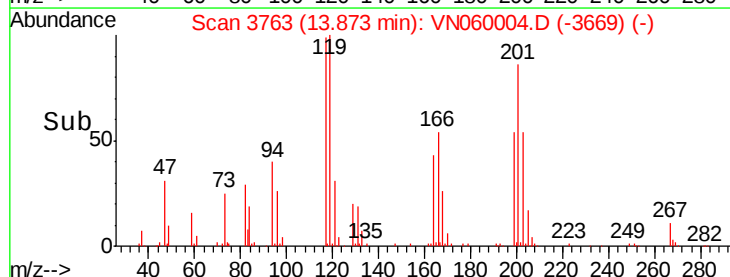
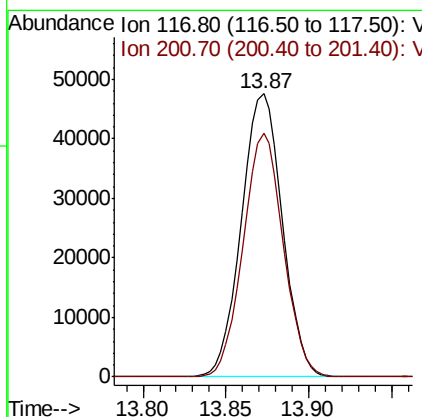
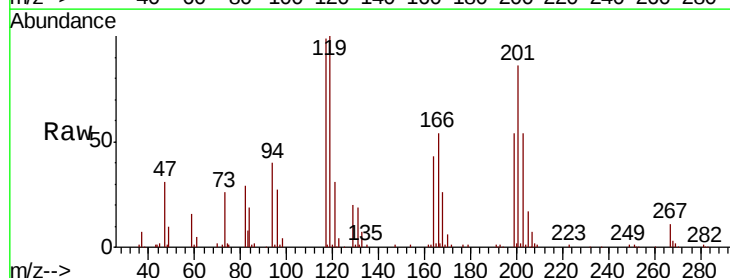
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 378309
Ion Ratio Lower Upper
91 100
92 52.4 25.9 77.7
134 26.4 12.3 36.8



#90
Hexachloroethane
Concen: 47.674 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion: 117 Resp: 81761
Ion Ratio Lower Upper
117 100
201 84.2 37.8 113.4

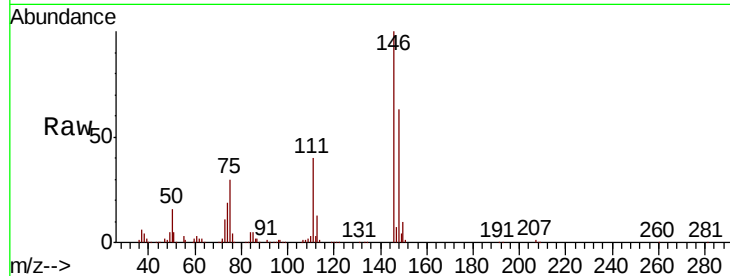




#91
 1,2-Dichlorobenzene
 Concen: 48.997 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.6	64.8
148	63.5	31.6	95.0

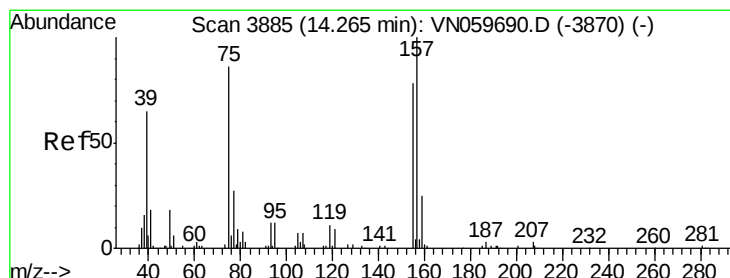
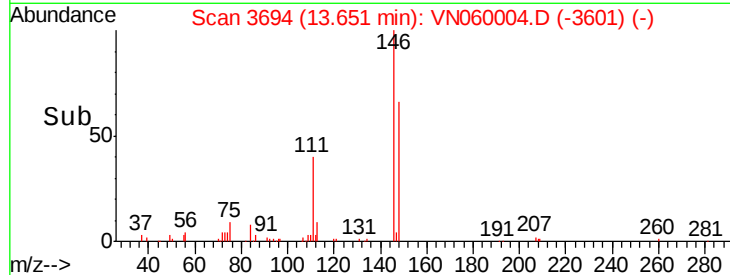
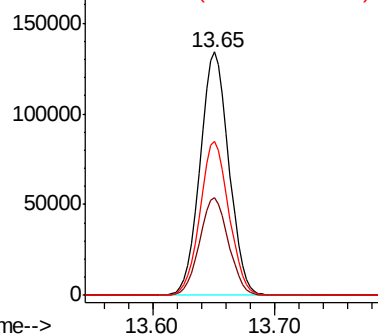


Abundance

Ion 145.90 (145.60 to 146.60): V

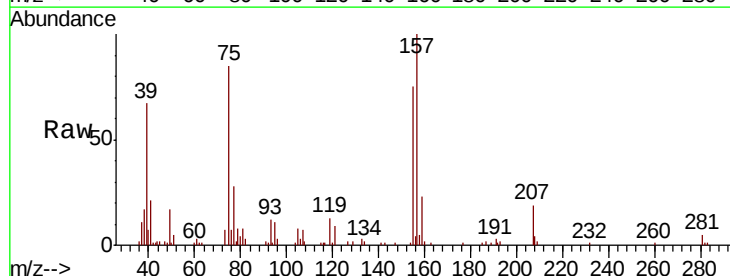
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.450 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	37.0	110.9
157	113.0	48.4	145.2

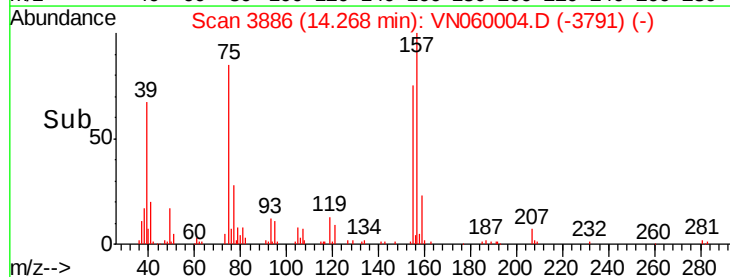
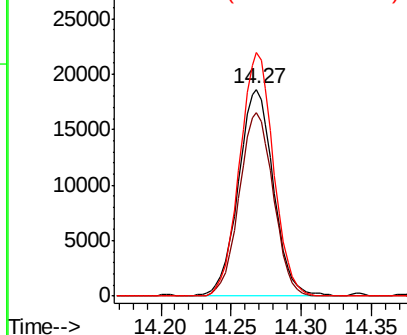


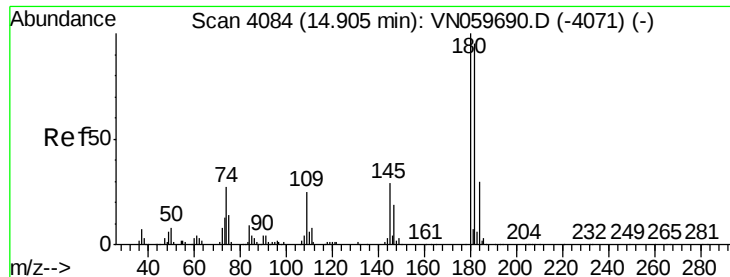
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

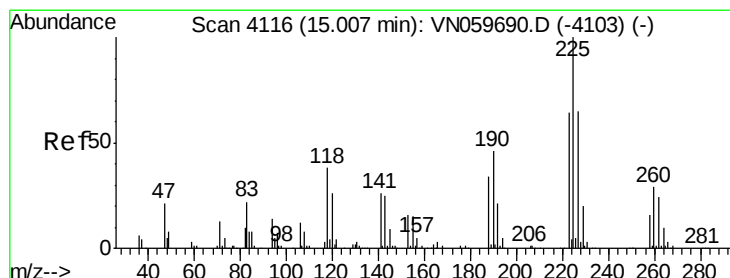
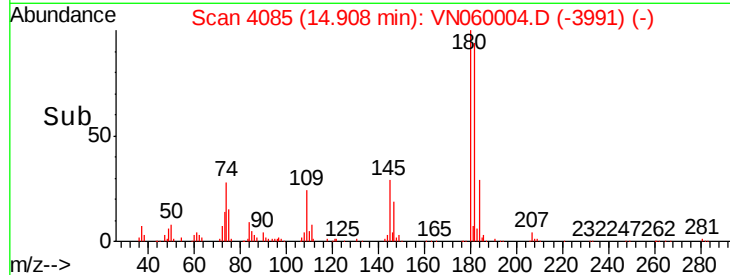
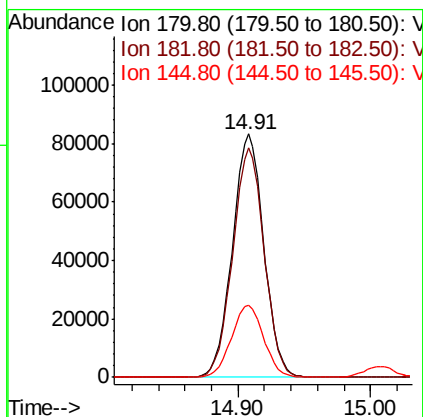
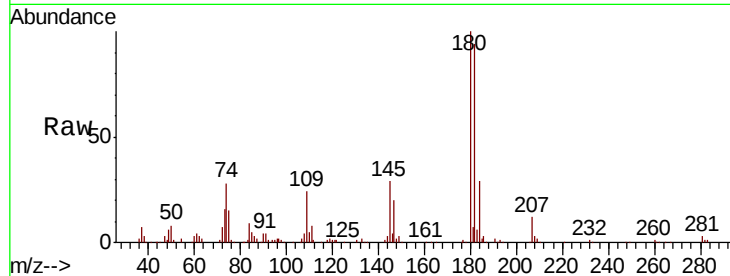




#93
 1,2,4-Trichlorobenzene
 Concen: 50.417 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

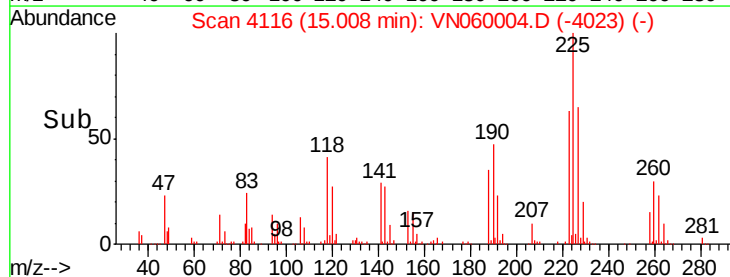
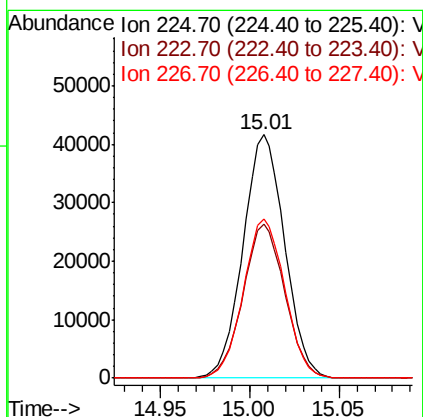
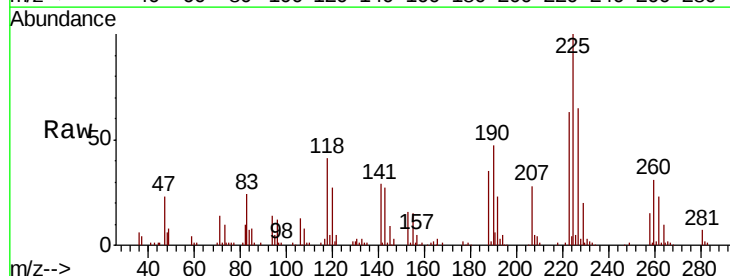
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 136569
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.9 140.7
 145 30.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 45.532 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060004.D
 Acq: 4 Feb 2020 18:58

Tgt Ion:225 Resp: 67966
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.8 95.3
 227 65.1 32.1 96.5

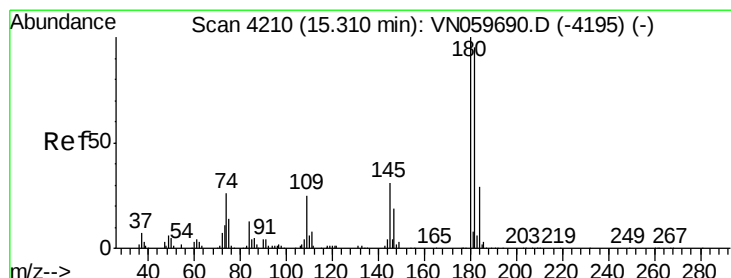
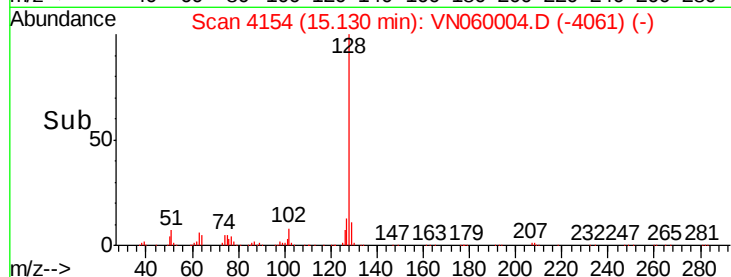
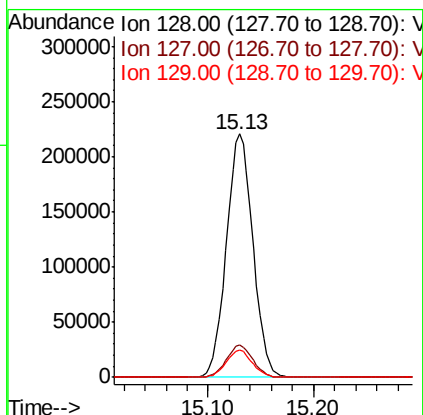
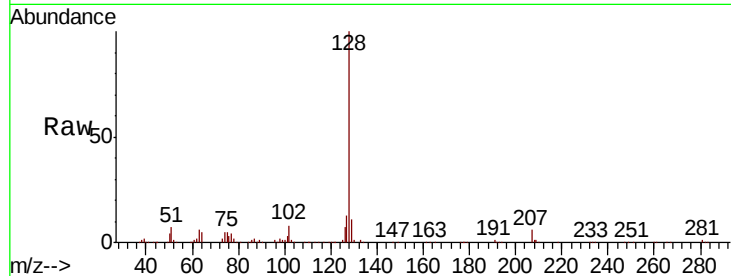




#95
Naphthalene
Concen: 49.714 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 383040
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.184 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060004.D
Acq: 4 Feb 2020 18:58

Tgt Ion:180 Resp: 132318
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.3
145 31.9 16.3 48.9

