

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059246.D
 Acq On : 14 Nov 2019 19:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 15 06:34:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	397976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	624779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	572591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	277127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	234890	48.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.02%	
35) Dibromofluoromethane	7.57	113	192735	51.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.32%	
50) Toluene-d8	10.08	98	728503	49.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	274163	51.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	172650	43.057	ug/l	99
3) Chloromethane	2.04	50	236807	43.446	ug/l	100
4) Vinyl Chloride	2.17	62	239968	45.410	ug/l	100
5) Bromomethane	2.54	94	124990	41.101	ug/l	100
6) Chloroethane	2.68	64	147538	47.196	ug/l	100
7) Trichlorofluoromethane	3.00	101	307277	48.613	ug/l	98
8) Diethyl Ether	3.39	74	132446	51.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184332	48.367	ug/l	99
10) Methyl Iodide	3.93	142	202254	42.875	ug/l	98
11) Tert butyl alcohol	4.75	59	248404	266.431	ug/l	98
12) 1,1-Dichloroethene	3.72	96	182220	49.083	ug/l	98
13) Acrolein	3.58	56	139077	289.325	ug/l	99
14) Allyl chloride	4.30	41	368125	48.273	ug/l	97
15) Acrylonitrile	4.95	53	649306	279.841	ug/l	100
16) Acetone	3.79	43	529128	207.989	ug/l	99
17) Carbon Disulfide	4.03	76	478447	41.516	ug/l	99
18) Methyl Acetate	4.29	43	338542	56.064	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	678962	53.120	ug/l	100
20) Methylene Chloride	4.53	84	220663	49.788	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	196523	49.316	ug/l	97
22) Diisopropyl ether	5.92	45	751387	52.164	ug/l	99
23) Vinyl Acetate	5.87	43	3122134	279.671	ug/l	99
24) 1,1-Dichloroethane	5.82	63	407603	50.664	ug/l	98
25) 2-Butanone	6.81	43	863008	257.394	ug/l	99
26) 2,2-Dichloropropane	6.80	77	332973	47.332	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	236750	51.209	ug/l	98
28) Bromochloromethane	7.17	49	112457	46.461	ug/l	99
29) Tetrahydrofuran	7.18	42	581105	272.767	ug/l	98
30) Chloroform	7.35	83	397266	51.476	ug/l	97
31) Cyclohexane	7.63	56	338581	44.455	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	333915	51.463	ug/l	100
36) 1,1-Dichloropropene	7.77	75	290965	49.824	ug/l	99
37) Ethyl Acetate	6.90	43	347778	53.532	ug/l	99
38) Carbon Tetrachloride	7.75	117	293219	50.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	324482	47.875	ug/l	99
40) Benzene	8.02	78	896750	50.993	ug/l	98
41) Methacrylonitrile	7.18	41	501059	177.364	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	305664	50.678	ug/l	100
43) Isopropyl Acetate	8.14	43	547611	52.872	ug/l	99
44) Trichloroethene	8.82	130	217976	50.423	ug/l	96
45) 1,2-Dichloropropane	9.10	63	248733	52.073	ug/l	100
46) Dibromomethane	9.19	93	151380	50.858	ug/l	99
47) Bromodichloromethane	9.39	83	316275	53.212	ug/l	98
48) Methyl methacrylate	9.18	41	243740	52.612	ug/l	97
49) 1,4-Dioxane	9.18	88	89053	1081.636	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1764700	301.121	ug/l	99
52) Toluene	10.15	92	547467	51.940	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	355180	51.723	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	383911	51.974	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	226122	53.008	ug/l	99
56) Ethyl methacrylate	10.42	69	362445	50.906	ug/l	98
57) 1,3-Dichloropropane	10.70	76	388057	52.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	710305	299.197	ug/l	99
59) 2-Hexanone	10.74	43	1300228	289.058	ug/l	99
60) Dibromochloromethane	10.90	129	243371	53.960	ug/l	99
61) 1,2-Dibromoethane	11.00	107	230219	53.312	ug/l	99
64) Tetrachloroethene	10.62	164	188186	48.333	ug/l	98
65) Chlorobenzene	11.43	112	580135	51.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	223154	53.295	ug/l	98
67) Ethyl Benzene	11.51	91	1053933	53.218	ug/l	99
68) m/p-Xylenes	11.62	106	787387	106.141	ug/l	99
69) o-Xylene	11.94	106	376421	52.506	ug/l	99
70) Styrene	11.96	104	625563	55.482	ug/l	100
71) Bromoform	12.13	173	178613	54.841	ug/l #	99
73) Isopropylbenzene	12.25	105	1032949	51.242	ug/l	100
74) N-amyl acetate	12.07	43	455640	53.342	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	356416	51.919	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	463695	73.494	ug/l #	100
77) Bromobenzene	12.53	156	248175	49.002	ug/l	99
78) n-propylbenzene	12.59	91	1199671	51.976	ug/l	99
79) 2-Chlorotoluene	12.67	91	717424	50.105	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	872982	51.108	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124936	52.303	ug/l	98
82) 4-Chlorotoluene	12.77	91	726127	50.562	ug/l	99
83) tert-Butylbenzene	12.99	119	749216	50.791	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	879218	53.202	ug/l	99
85) sec-Butylbenzene	13.17	105	1003941	52.331	ug/l	100
86) p-Isopropyltoluene	13.29	119	901924	53.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	440639	50.808	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	434700	50.096	ug/l	99
89) n-Butylbenzene	13.62	91	765279	51.618	ug/l	100
90) Hexachloroethane	13.88	117	168141	49.433	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	439993	51.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71731	52.372	ug/l	99

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QLast Update : Thu Nov 07 04:00:41 2019
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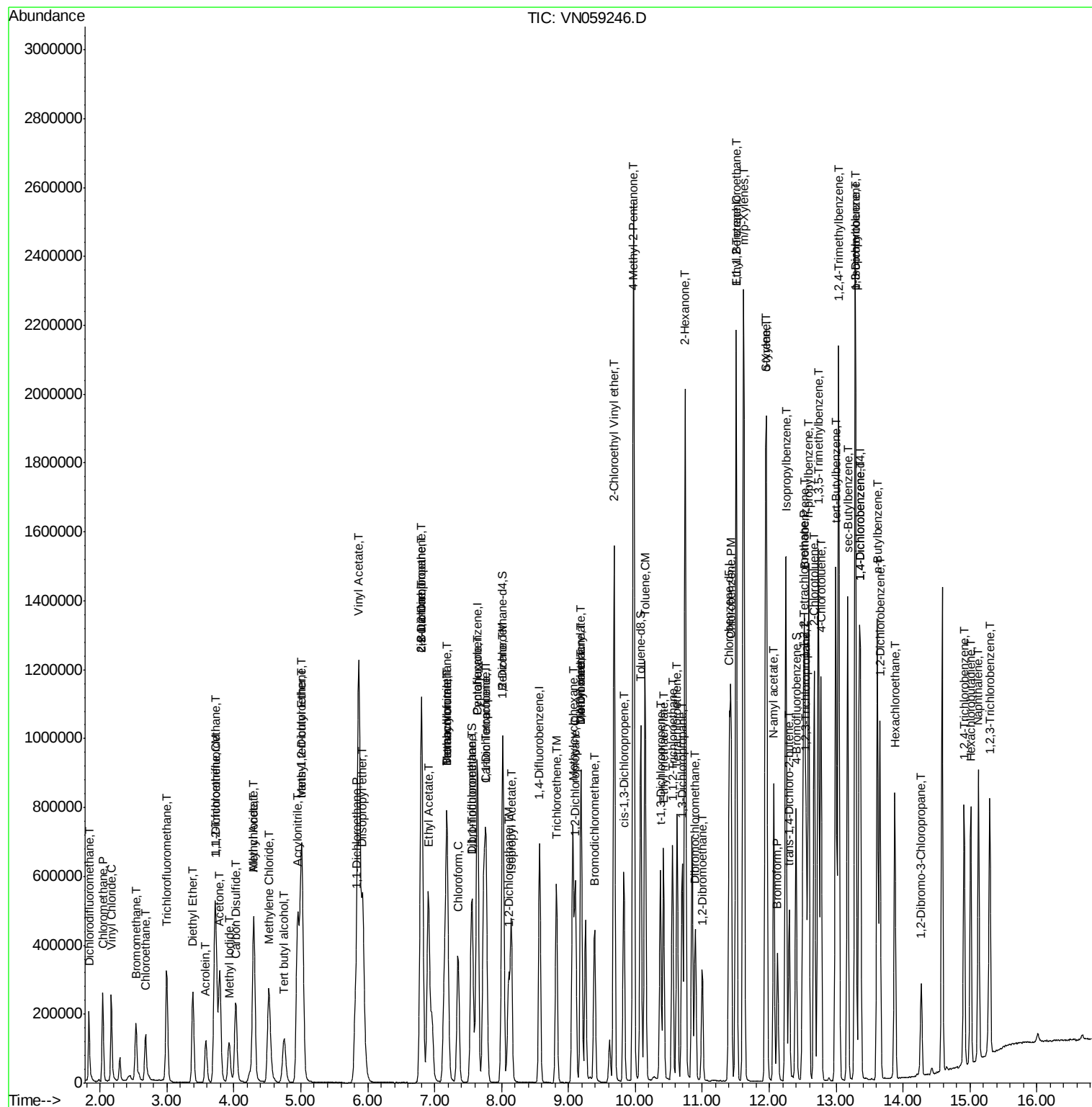
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245418	47.571	ug/l	99
94) Hexachlorobutadiene	15.01	225	147219	50.046	ug/l	99
95) Naphthalene	15.13	128	678927	47.443	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	246718	51.602	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

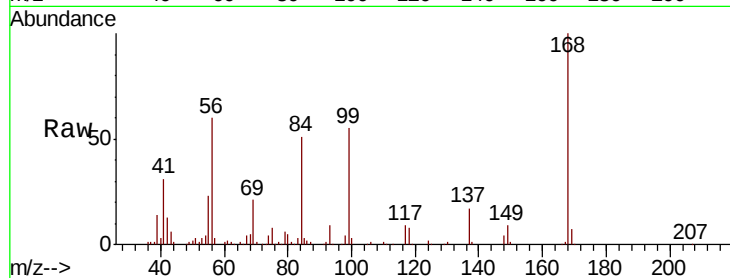
VSTDCCC050EC

Tot Ion:168 Resp: 397976

Ion Ratio Lower Upper

168 100

99 54.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

100000

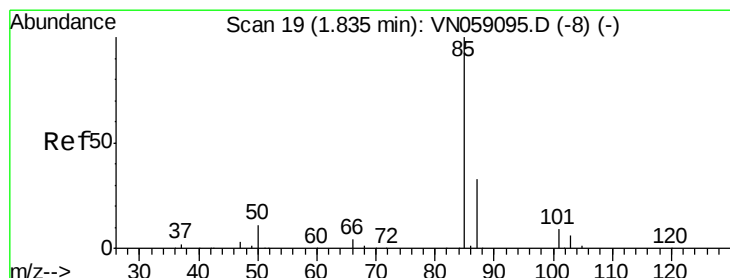
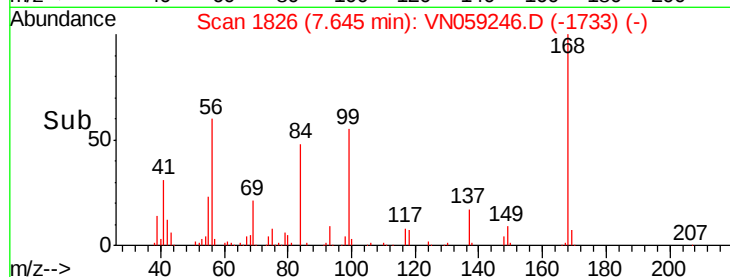
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.057 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059246.D

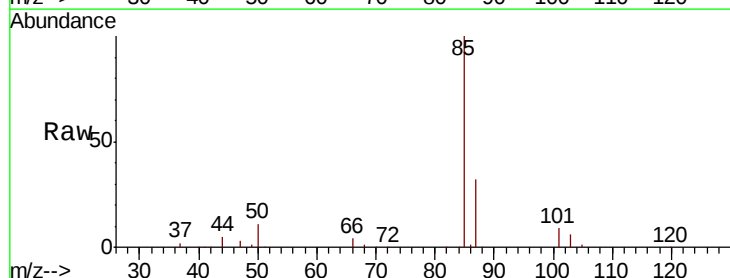
Acq: 14 Nov 2019 19:46

Tgt Ion: 85 Resp: 172650

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

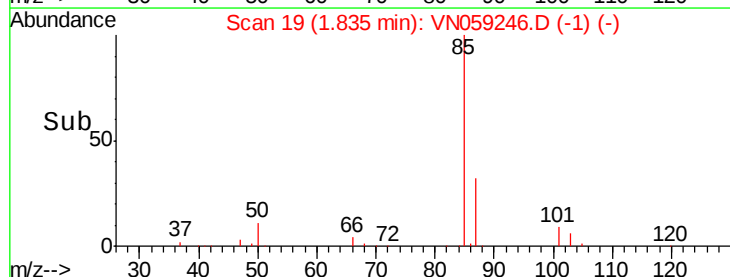
50000

0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 43.446 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

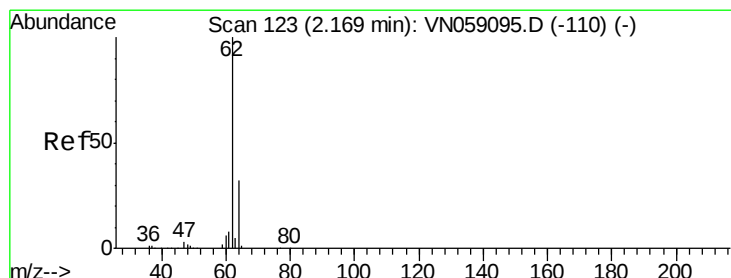
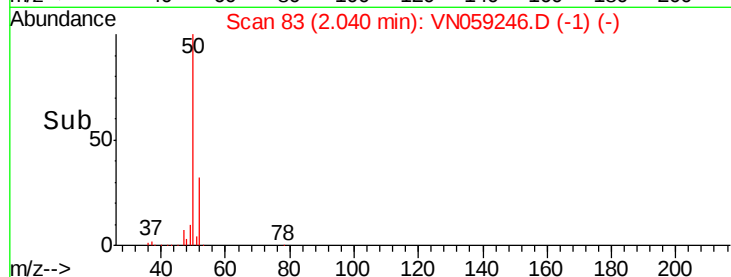
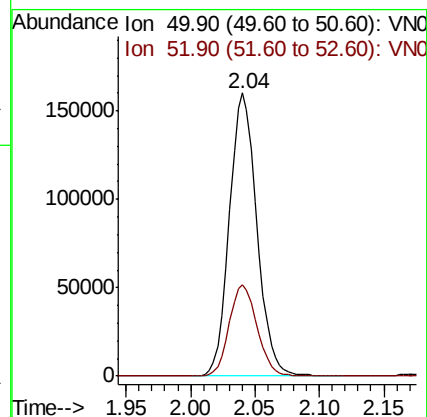
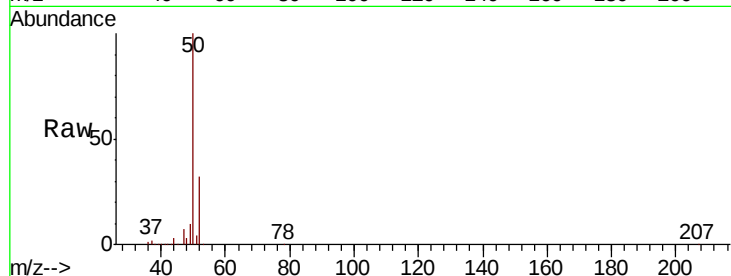
VSTDCCC050EC

Tot Ion: 50 Resp: 236807

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 45.410 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059246.D

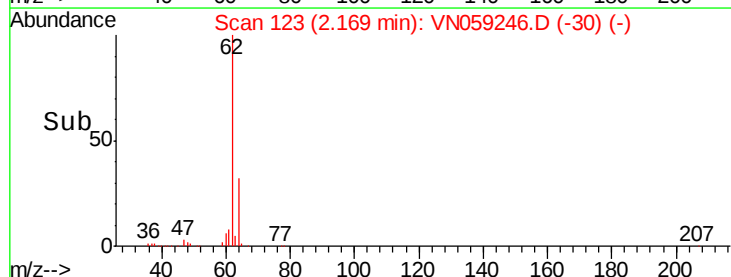
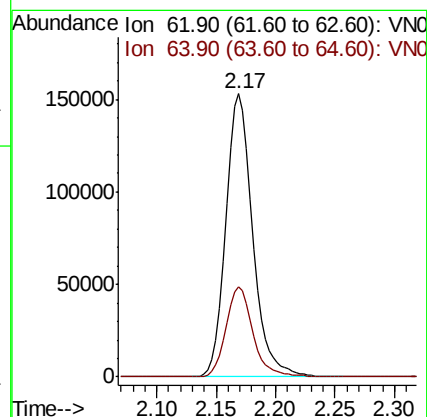
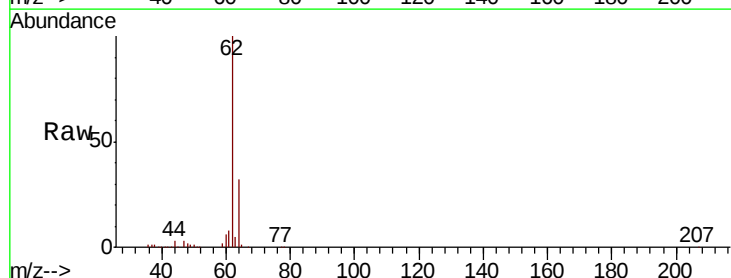
Acq: 14 Nov 2019 19:46

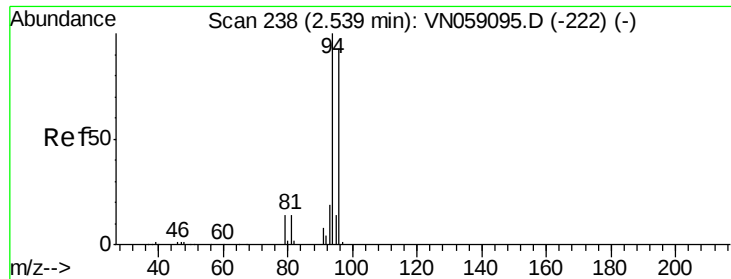
Tgt Ion: 62 Resp: 239968

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 41.101 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

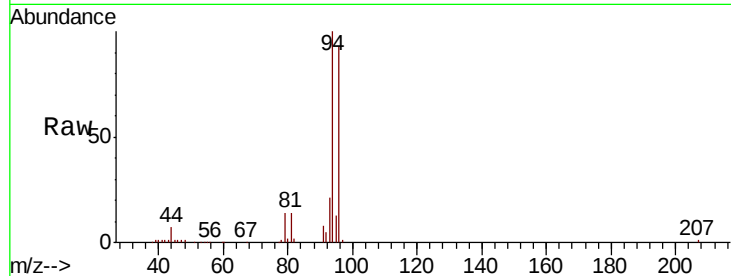
VSTDCCC050EC

Tot Ion: 94 Resp: 124990

Ion Ratio Lower Upper

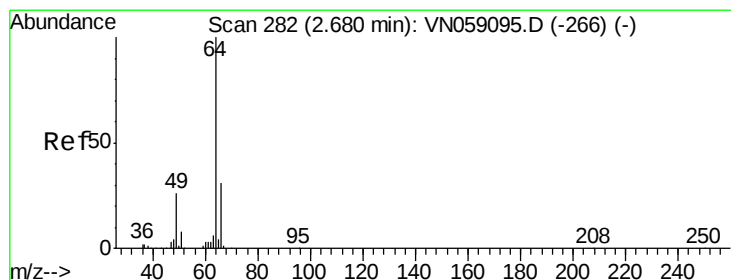
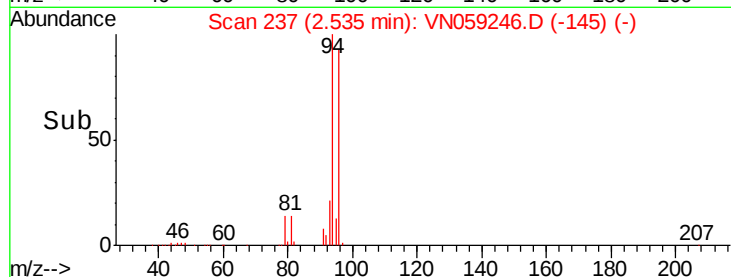
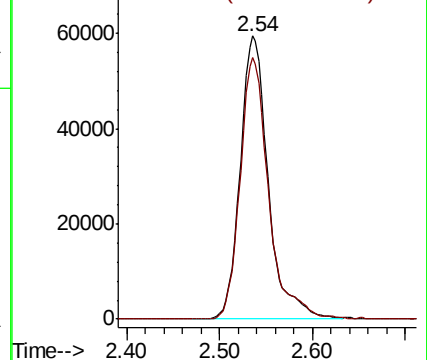
94 100

96 92.6 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.196 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059246.D

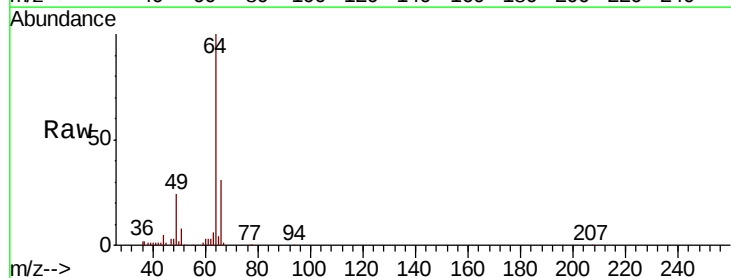
Acq: 14 Nov 2019 19:46

Tgt Ion: 64 Resp: 147538

Ion Ratio Lower Upper

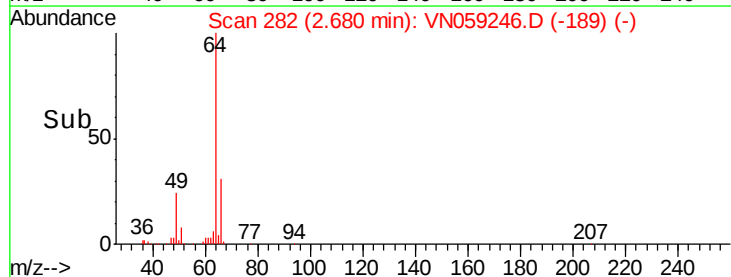
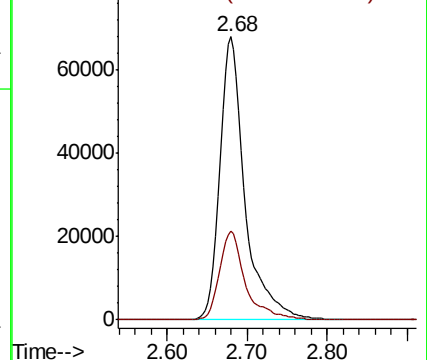
64 100

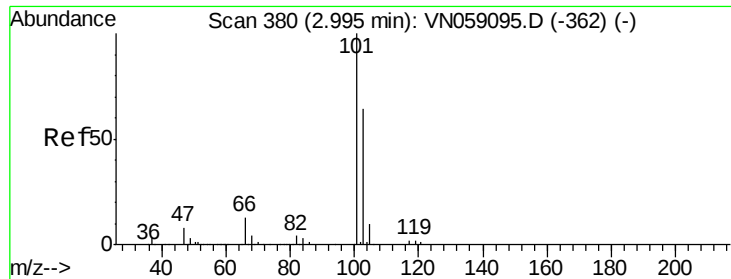
66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



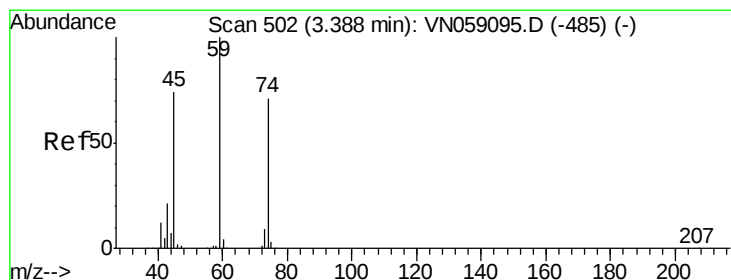
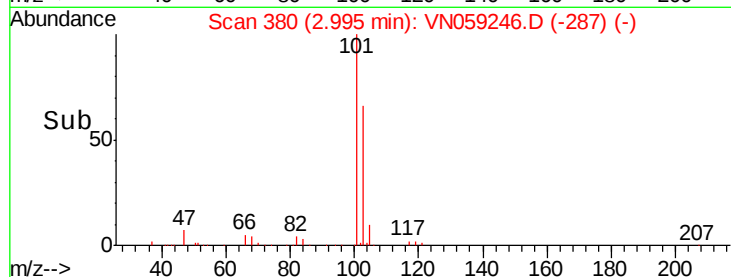
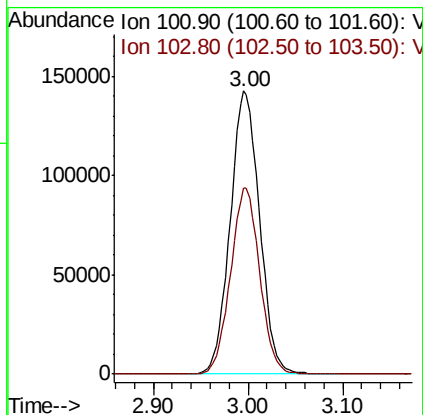
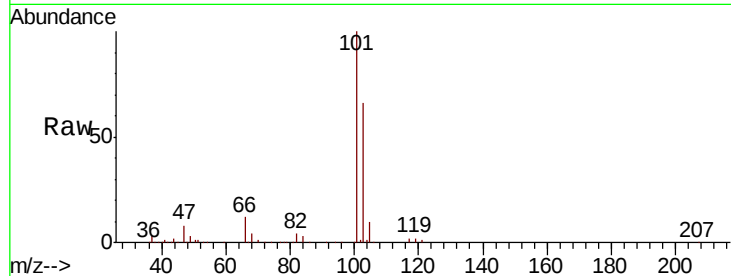


#7

Trichlorofluoromethane
 Concen: 48.613 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059246.D
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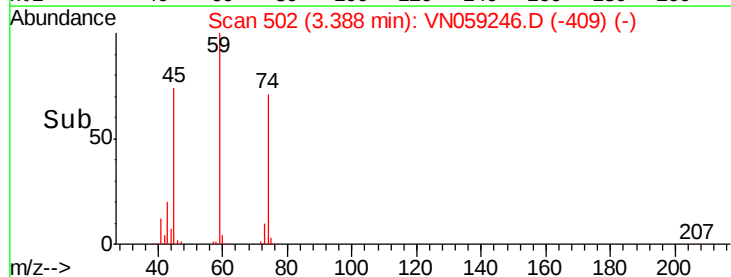
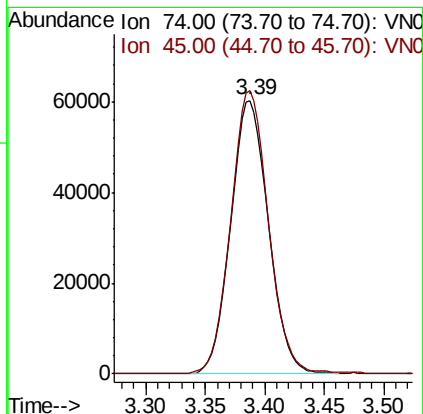
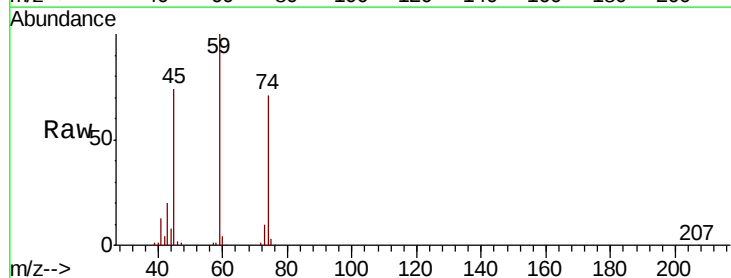
Tot Ion:101 Resp: 307277
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.2 76.8

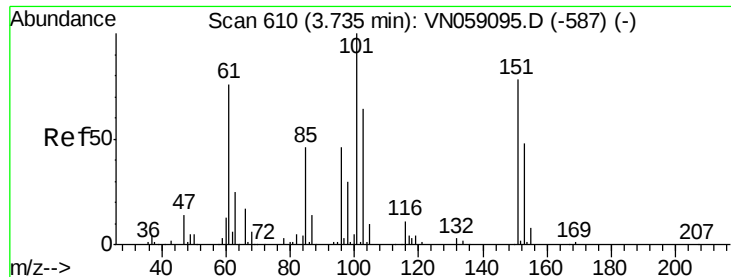


#8

Diethyl Ether
 Concen: 51.569 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion: 74 Resp: 132446
 Ion Ratio Lower Upper
 74 100
 45 103.4 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.367 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

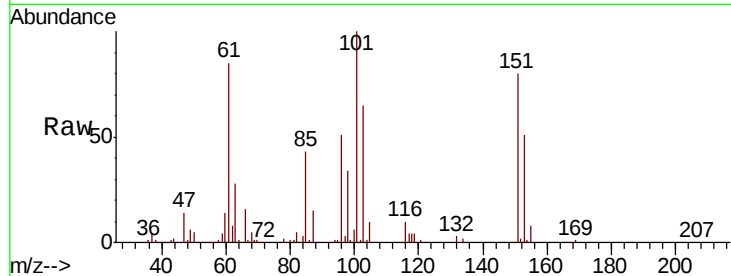
Tot Ion:101 Resp: 184332

Ion Ratio Lower Upper

101 100

85 43.3 35.5 53.3

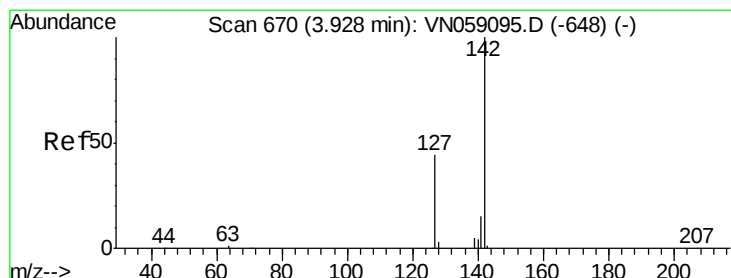
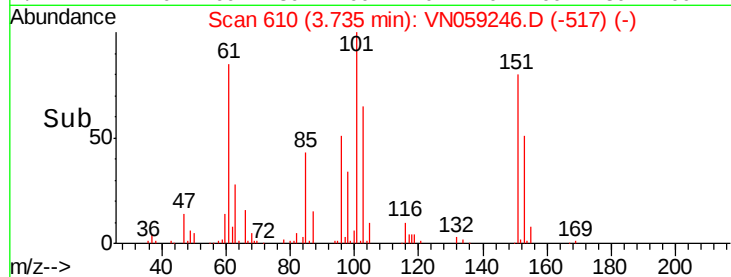
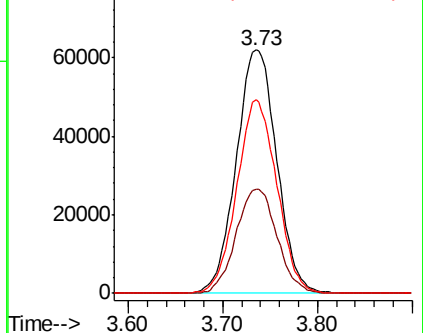
151 78.5 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.875 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

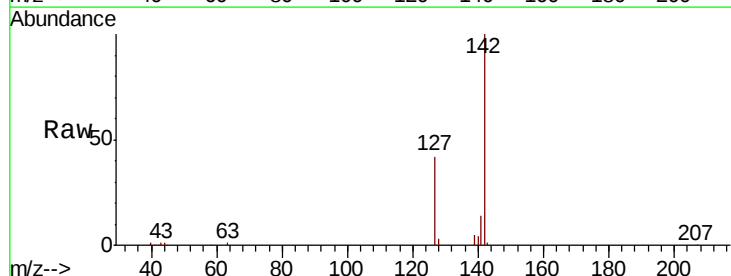
Tgt Ion:142 Resp: 202254

Ion Ratio Lower Upper

142 100

127 41.5 34.2 51.2

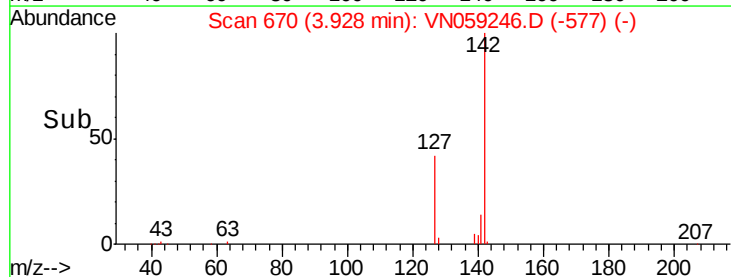
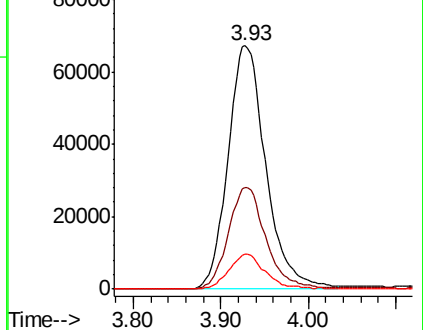
141 13.6 11.4 17.0

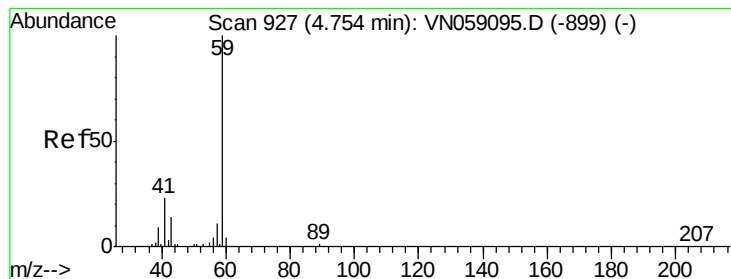


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



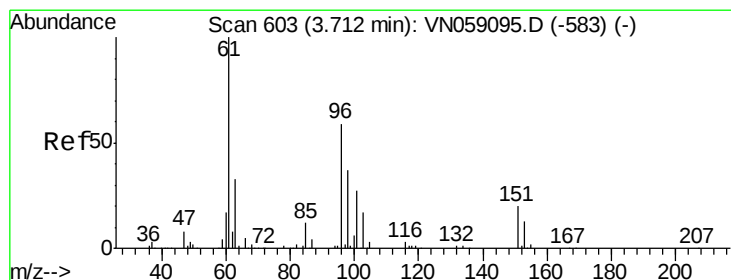
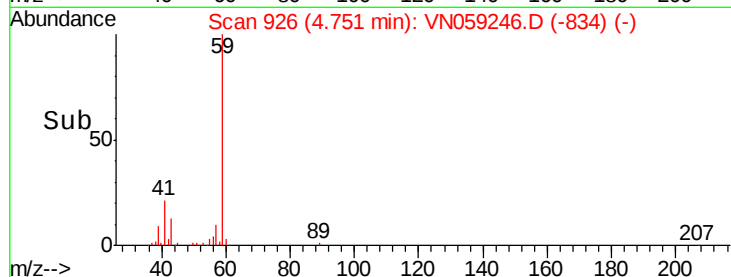
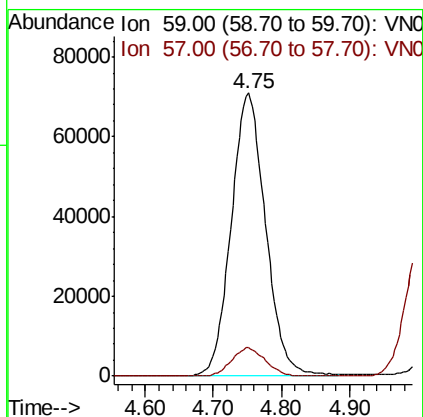
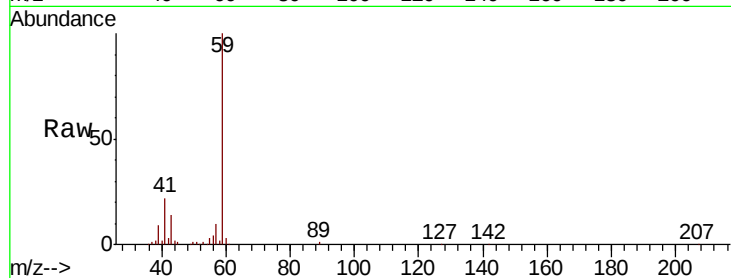


#11

Tert butyl alcohol
 Concen: 266.431 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

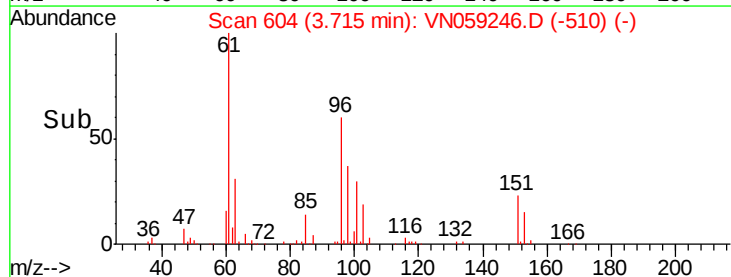
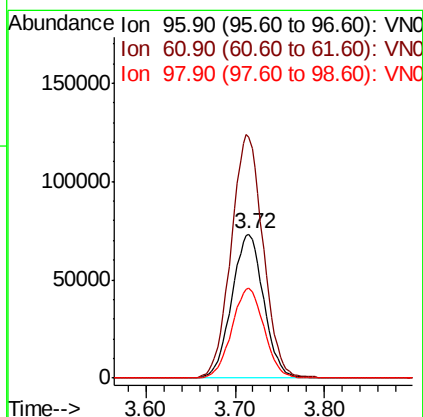
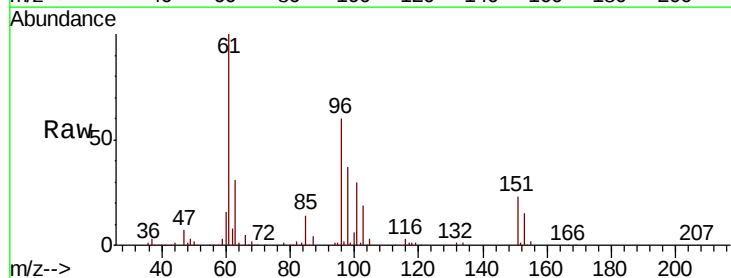
Tot Ion: 59 Resp: 248404
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.3 12.5



#12

1,1-Dichloroethene
 Concen: 49.083 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion: 96 Resp: 182220
 Ion Ratio Lower Upper
 96 100
 61 167.8 136.5 204.7
 98 62.3 50.2 75.4





#13

Acrolein

Concen: 289.325 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

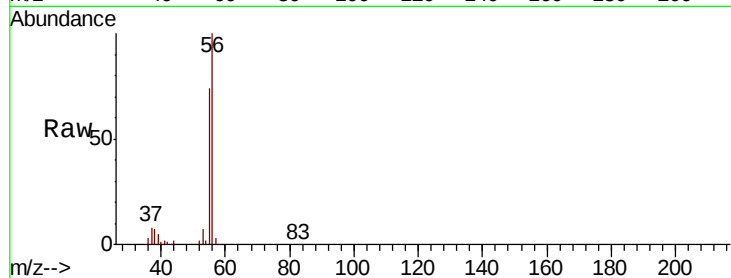
VSTDCCC050EC

Tot Ion: 56 Resp: 139077

Ion Ratio Lower Upper

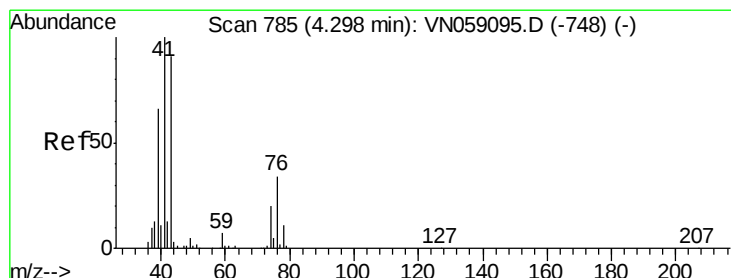
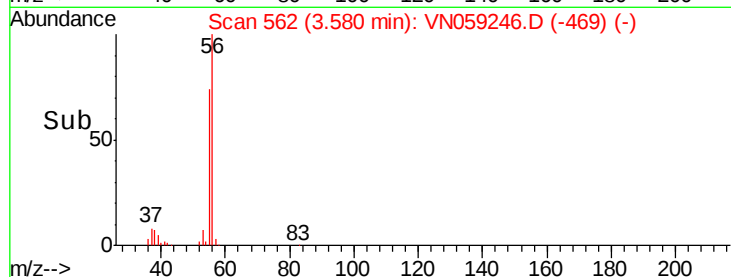
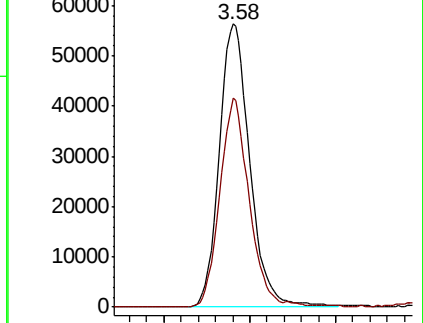
56 100

55 71.1 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.273 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

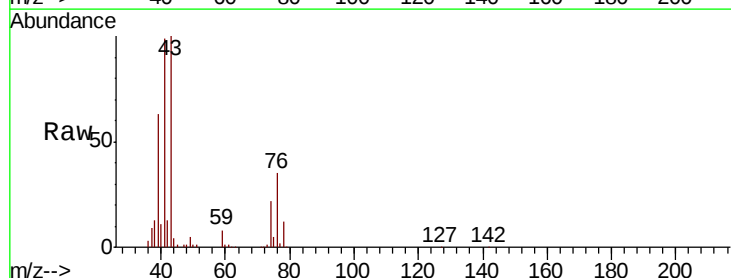
Tgt Ion: 41 Resp: 368125

Ion Ratio Lower Upper

41 100

39 58.8 49.1 73.7

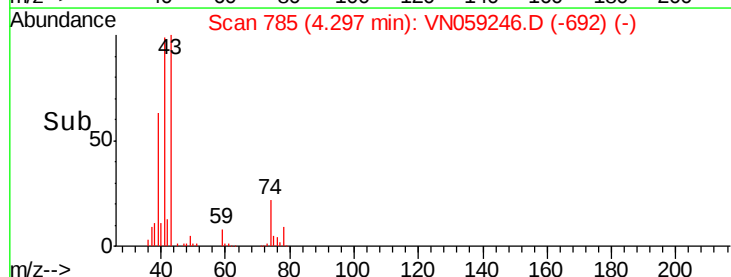
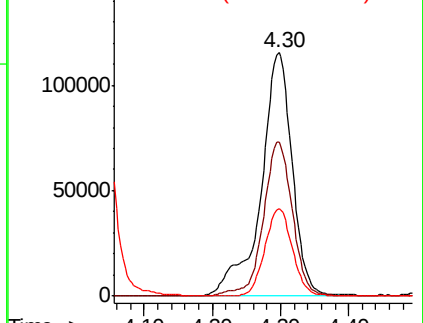
76 31.6 24.9 37.3

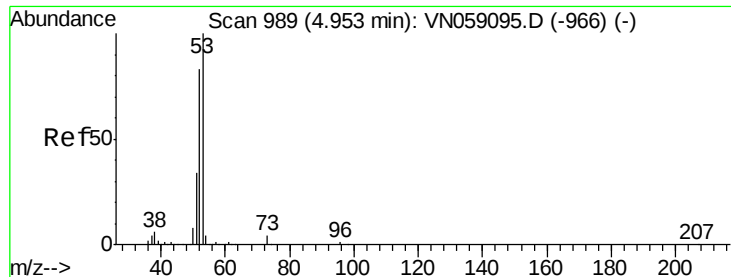


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 279.841 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

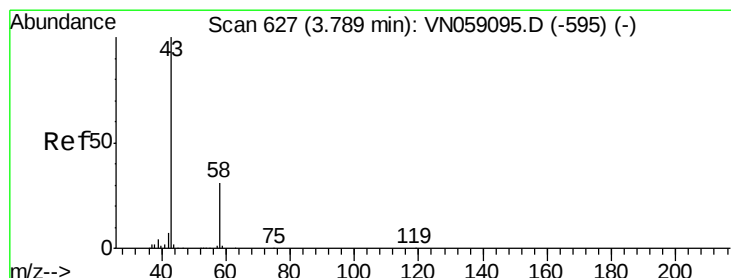
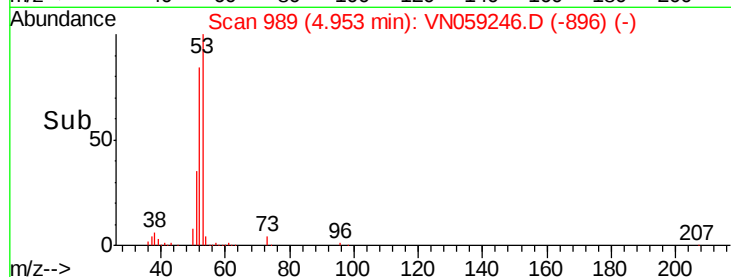
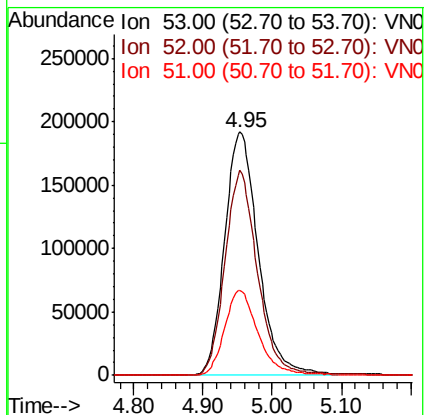
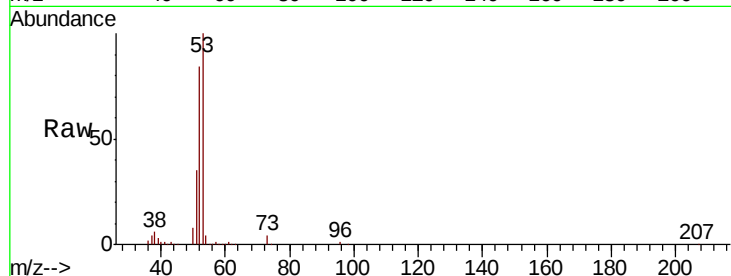
Tot Ion: 53 Resp: 649306

Ion Ratio Lower Upper

53 100

52 81.4 65.0 97.6

51 34.8 28.0 42.0



#16

Acetone

Concen: 207.989 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059246.D

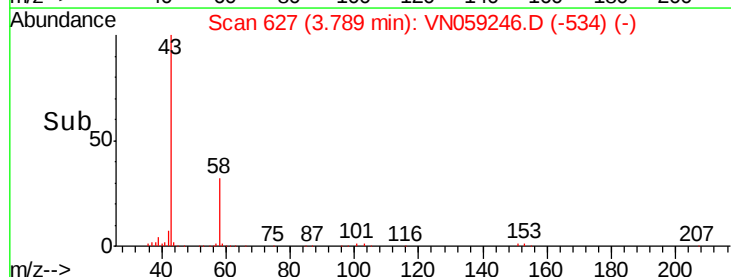
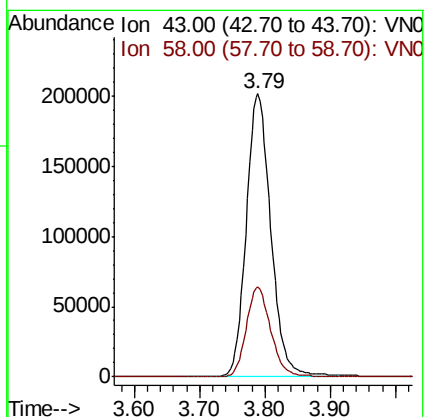
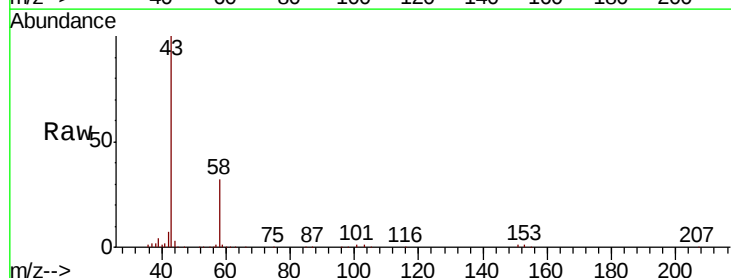
Acq: 14 Nov 2019 19:46

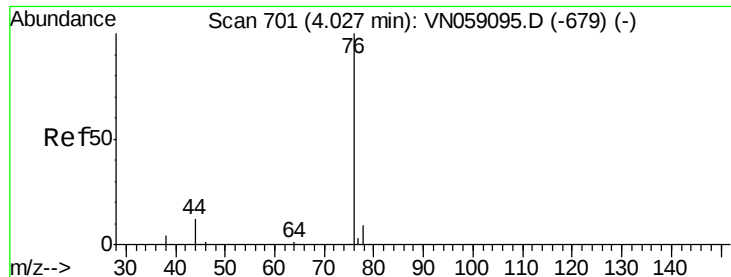
Tgt Ion: 43 Resp: 529128

Ion Ratio Lower Upper

43 100

58 31.9 24.9 37.3

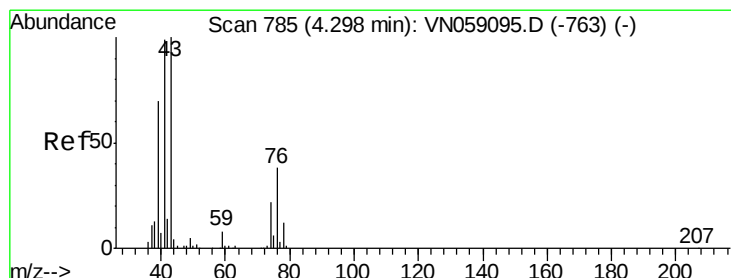
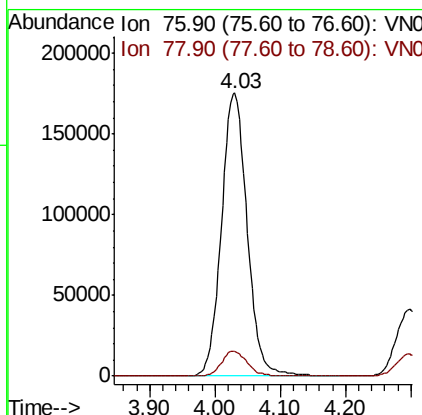
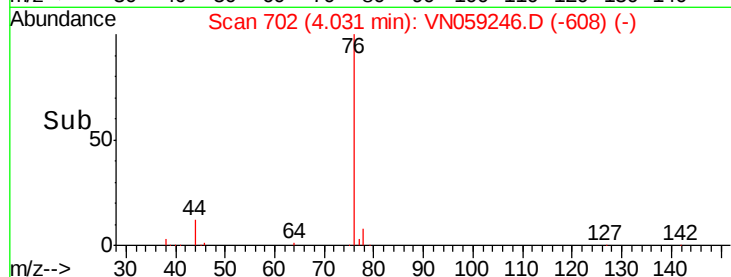
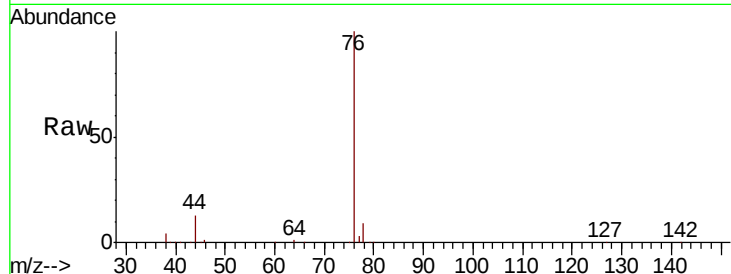




#17
Carbon Disulfide
Concen: 41.516 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

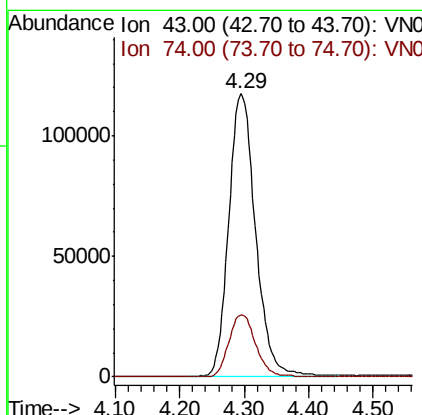
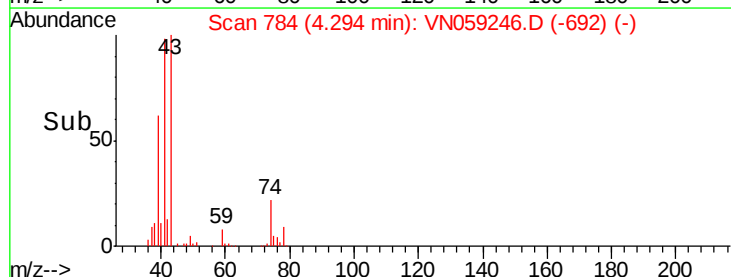
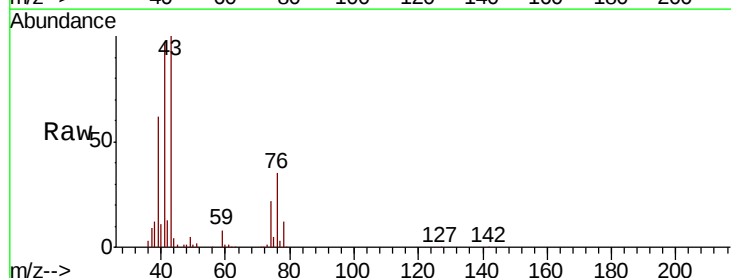
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

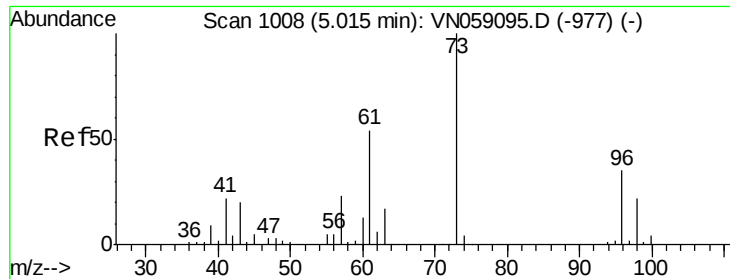
Tot Ion: 76 Resp: 478447
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 56.064 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 43 Resp: 338542
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8

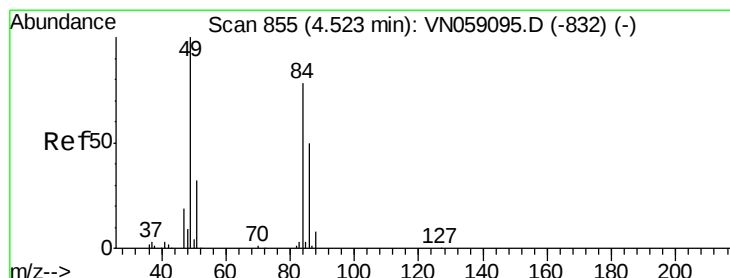
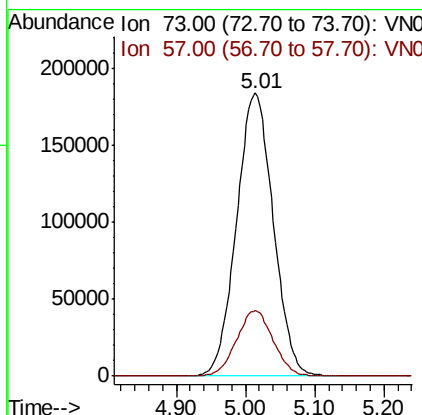
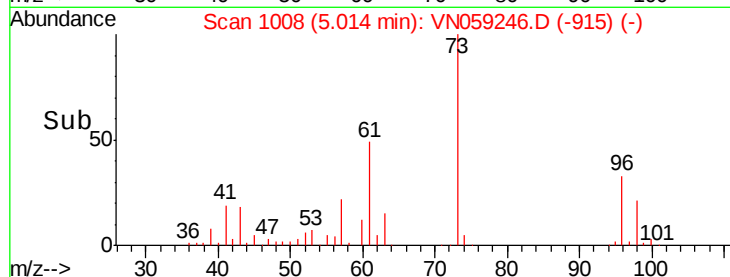
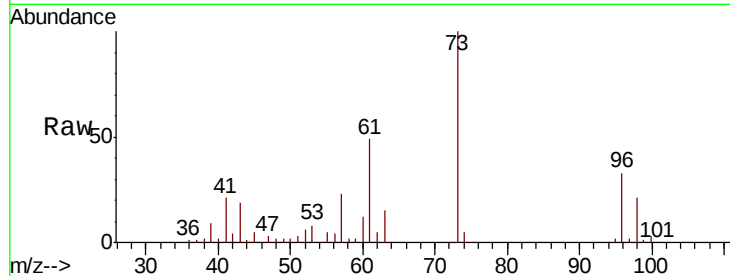




#19
Methvl tert-butvl Ether
Concen: 53.120 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

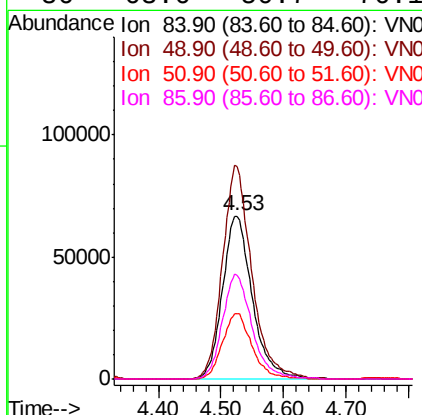
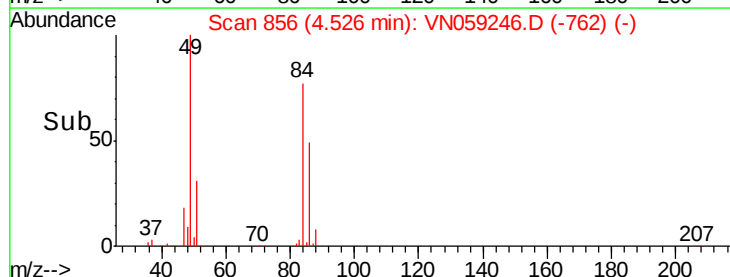
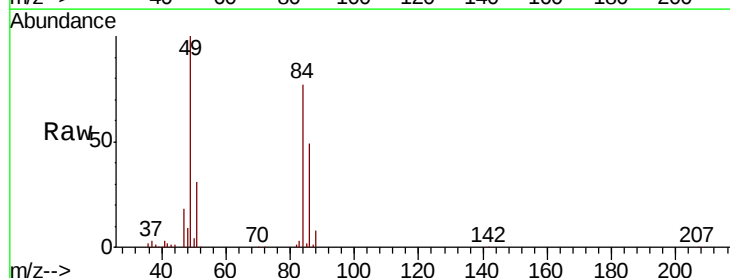
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

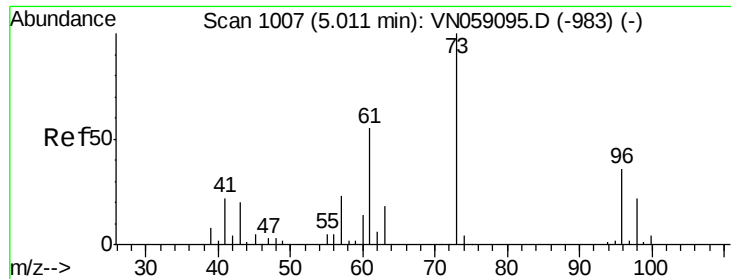
Tot Ion: 73 Resp: 678962
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 49.788 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 84 Resp: 220663
Ion Ratio Lower Upper
84 100
49 130.3 102.0 153.0
51 40.3 32.2 48.2
86 63.6 50.7 76.1

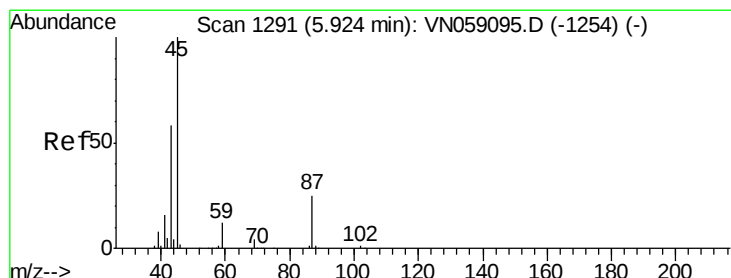
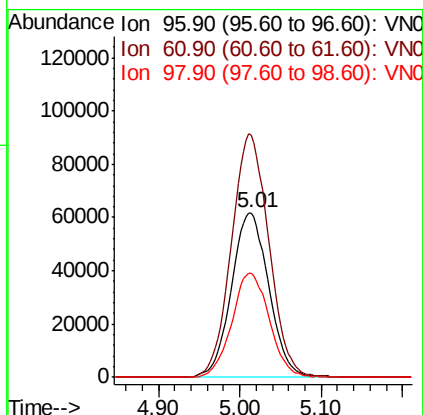
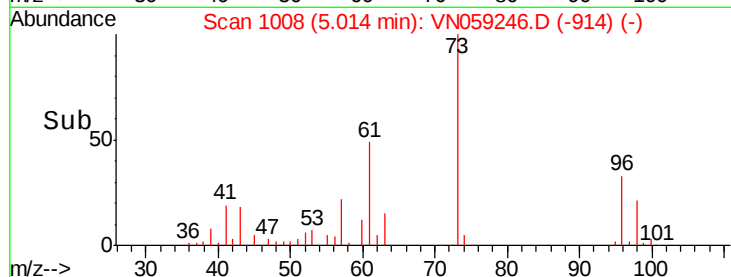
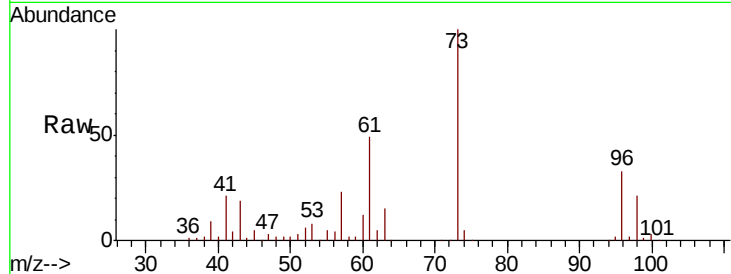




#21
trans-1,2-Dichloroethene
Concen: 49.316 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

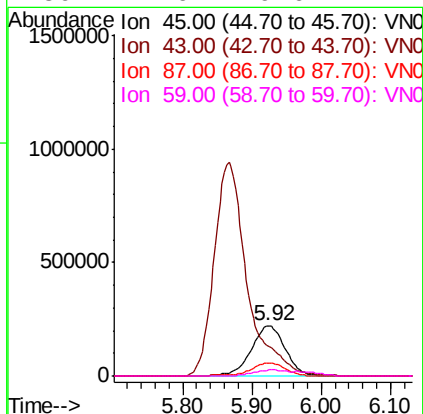
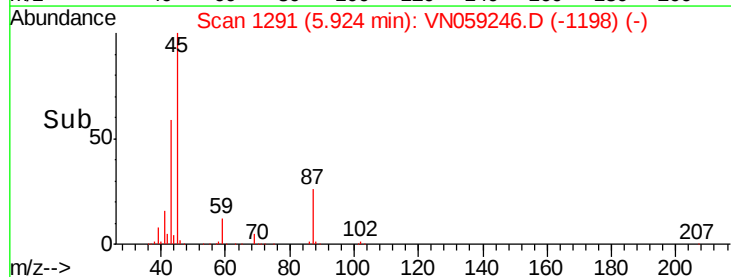
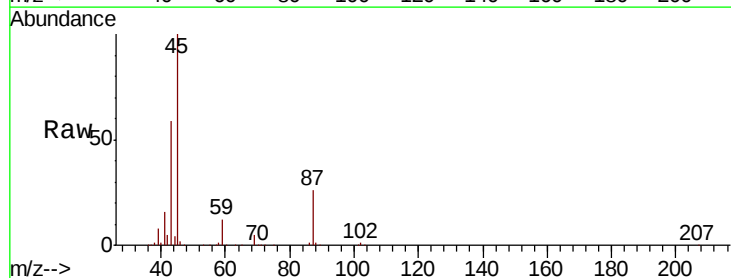
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

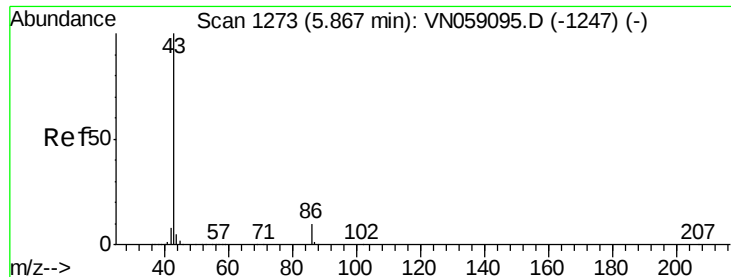
Tot Ion: 96 Resp: 196523
Ion Ratio Lower Upper
96 100
61 147.4 122.6 183.8
98 63.1 50.3 75.5



#22
Diisopropyl ether
Concen: 52.164 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 45 Resp: 751387
Ion Ratio Lower Upper
45 100
43 57.5 46.7 70.1
87 26.3 20.5 30.7
59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 279.671 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

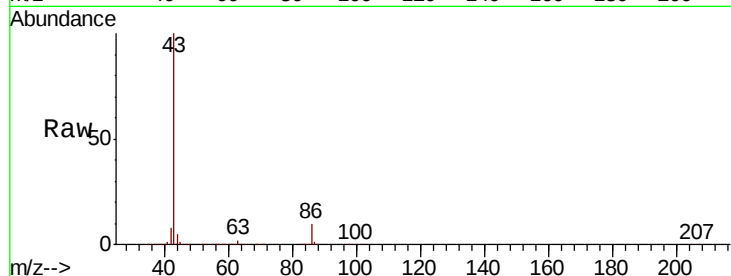
VSTDCCC050EC

Tot Ion: 43 Resp: 3122134

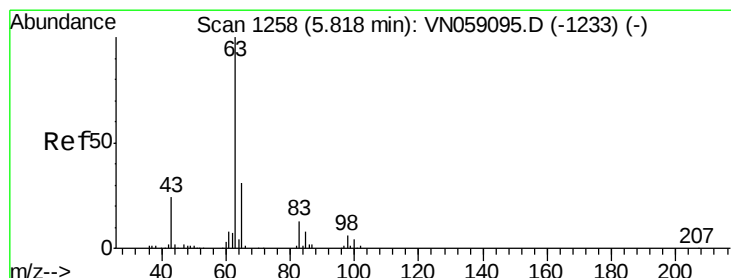
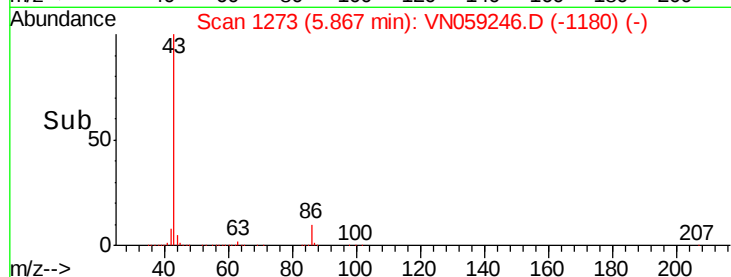
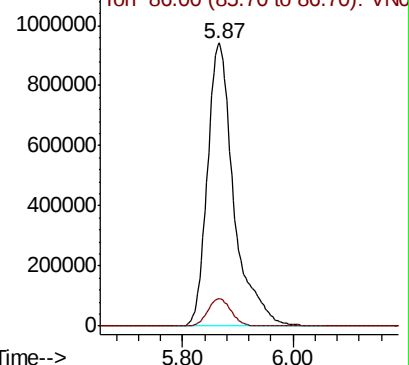
Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059246.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 50.664 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

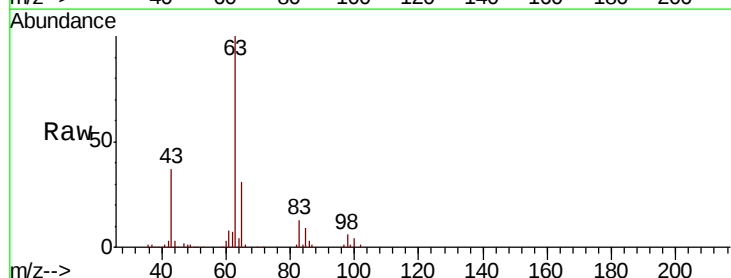
Tgt Ion: 63 Resp: 407603

Ion Ratio Lower Upper

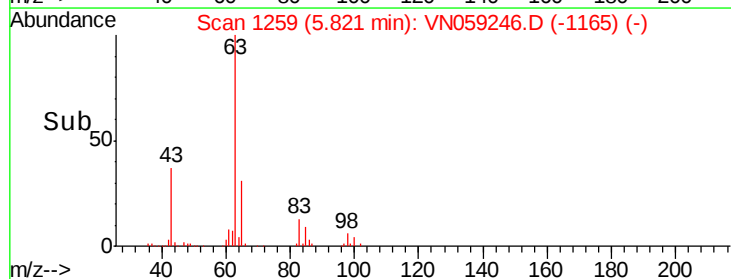
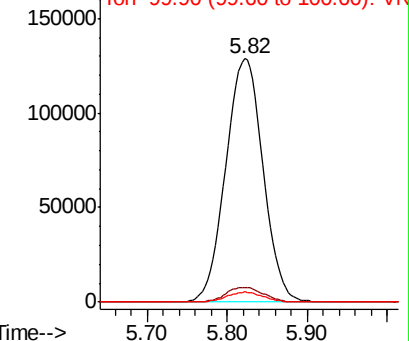
63 100

98 6.2 2.8 8.4

100 4.2 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059246.D (-1165) (-)





#25

2-Butanone

Concen: 257.394 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

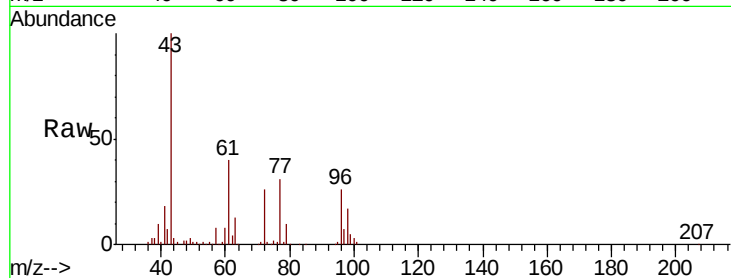
VSTDCCC050EC

Tot Ion: 43 Resp: 863008

Ion Ratio Lower Upper

43 100

72 26.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

300000

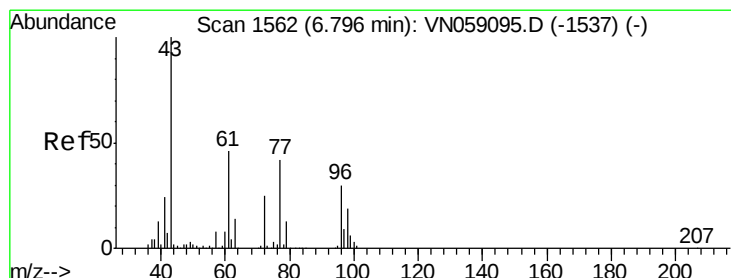
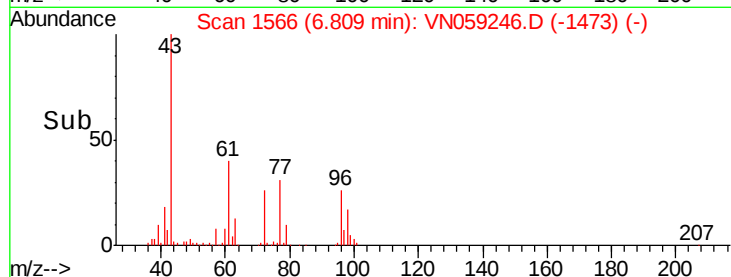
200000

100000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 47.332 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059246.D

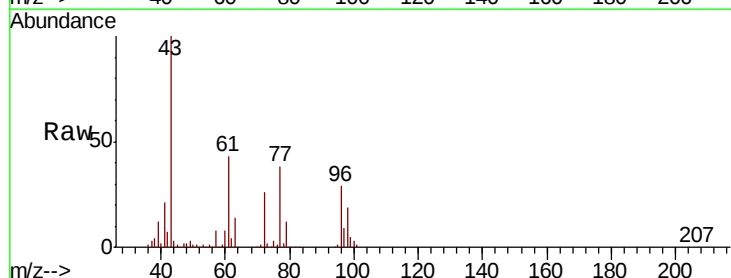
Acq: 14 Nov 2019 19:46

Tgt Ion: 77 Resp: 332973

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

120000

100000

80000

60000

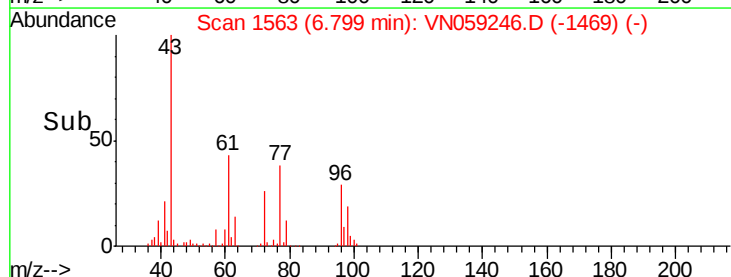
40000

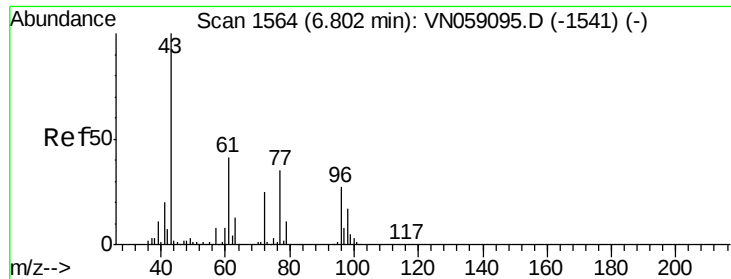
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.209 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

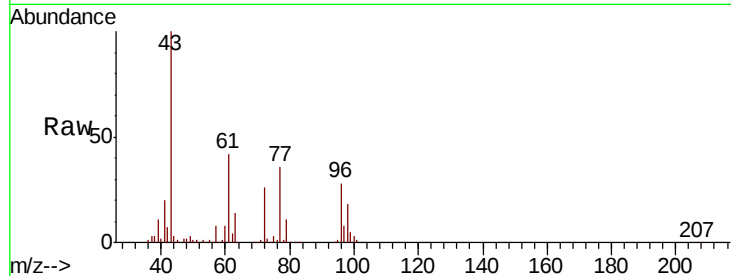
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 236750

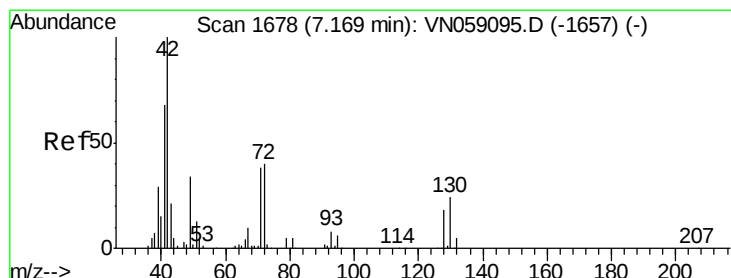
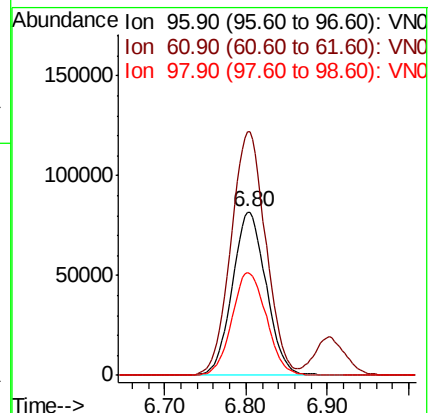
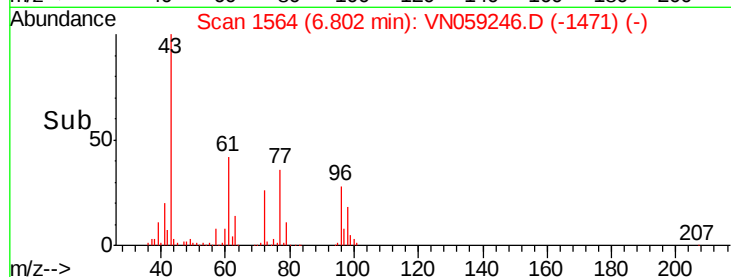
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	311.6
98	64.1	0.0	129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 46.461 ug/l

RT: 7.17 min Scan# 1679

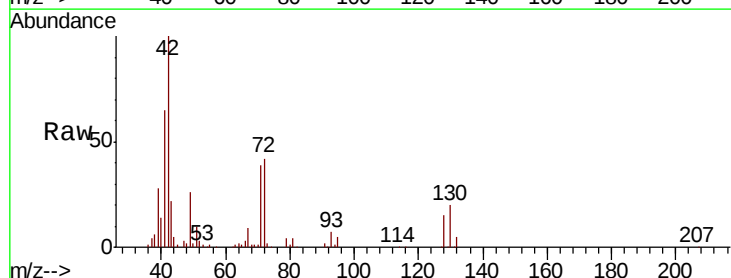
Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion: 49 Resp: 112457

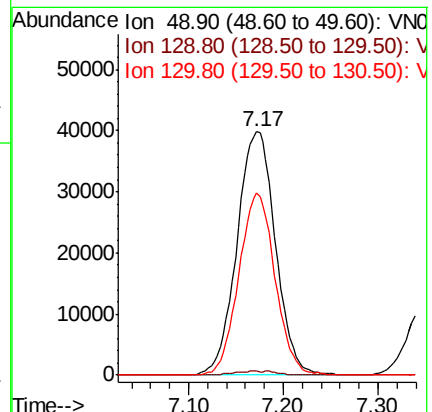
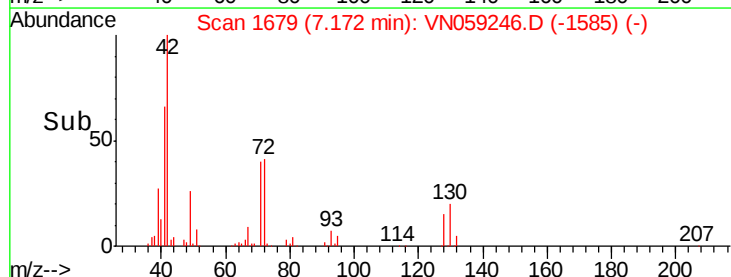
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	70.3	55.6	83.4

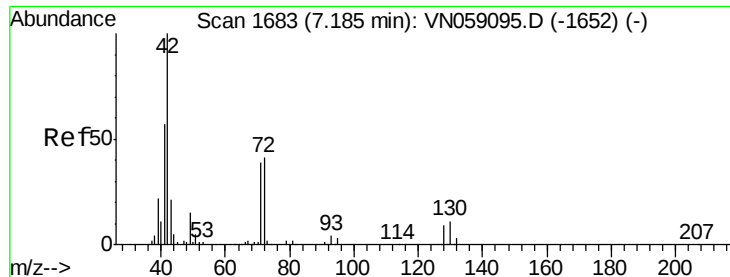


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 272.767 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

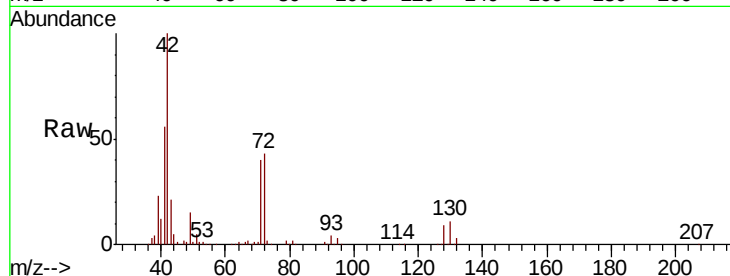
Tot Ion: 42 Resp: 581105

Ion Ratio Lower Upper

42 100

72 42.6 33.1 49.7

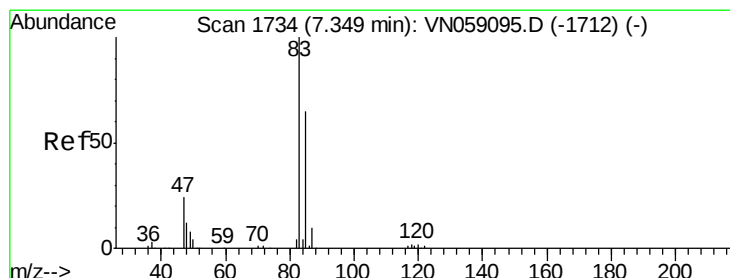
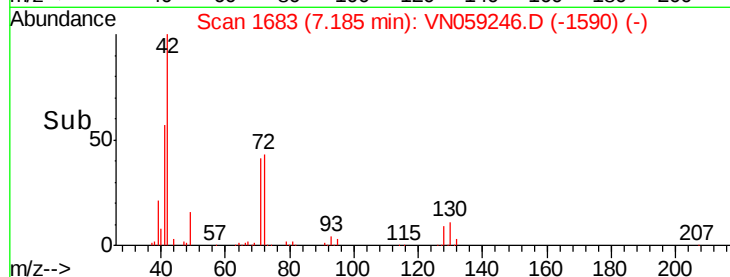
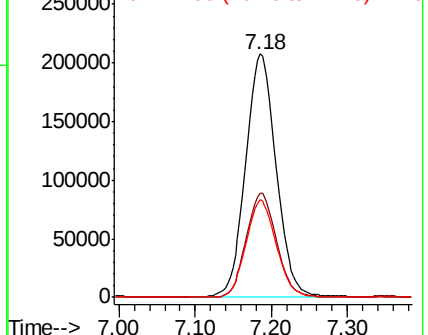
71 39.7 30.9 46.3



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: 51.476 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059246.D

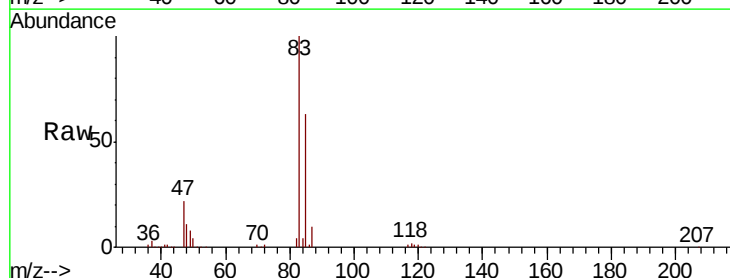
Acq: 14 Nov 2019 19:46

Tgt Ion: 83 Resp: 397266

Ion Ratio Lower Upper

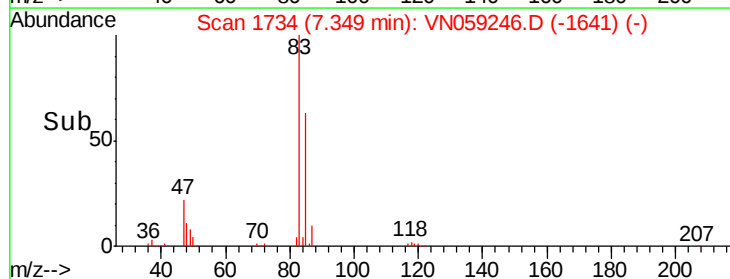
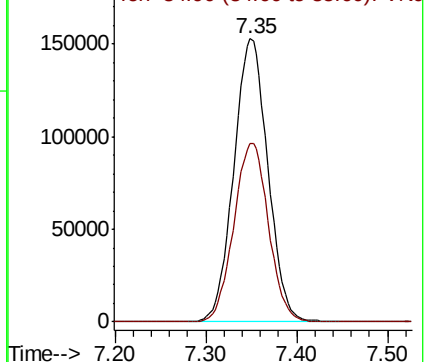
83 100

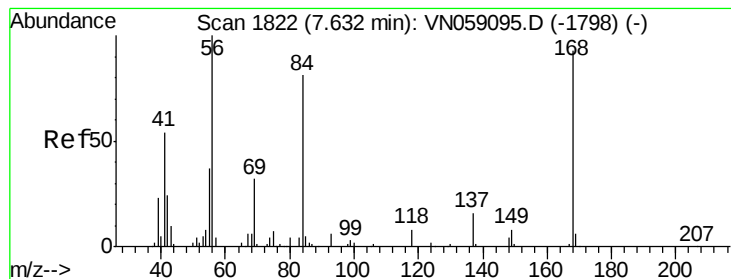
85 62.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 44.455 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

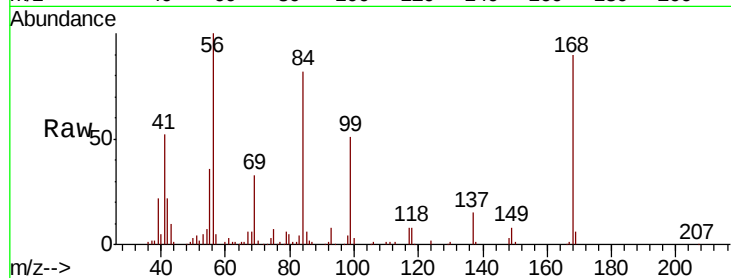
Tot Ion: 56 Resp: 338581

Ion Ratio Lower Upper

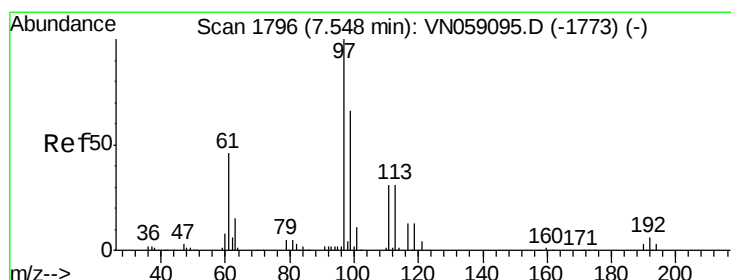
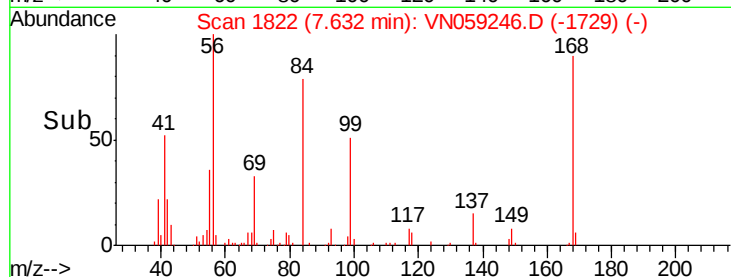
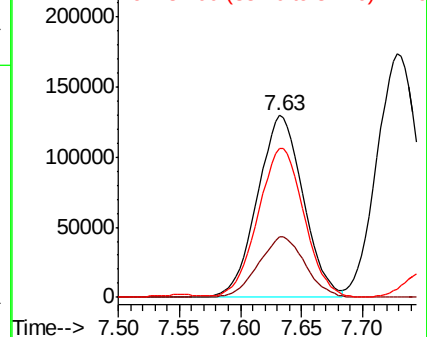
56 100

69 33.2 25.8 38.8

84 81.0 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 51.463 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

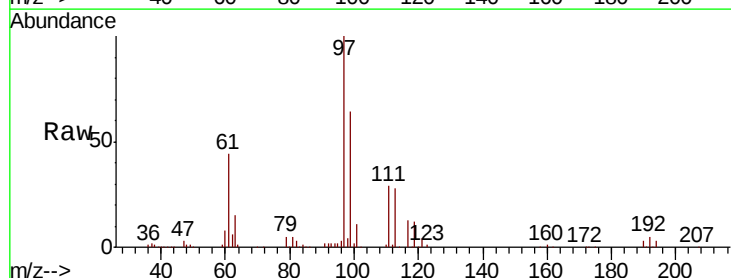
Tgt Ion: 97 Resp: 333915

Ion Ratio Lower Upper

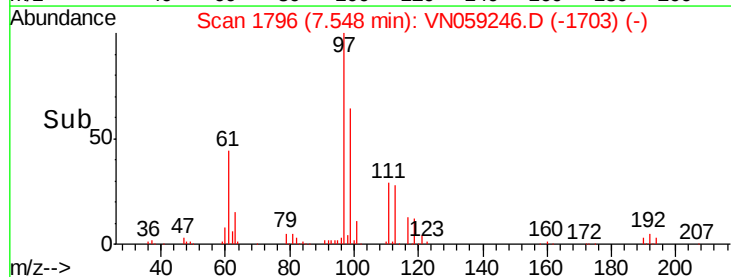
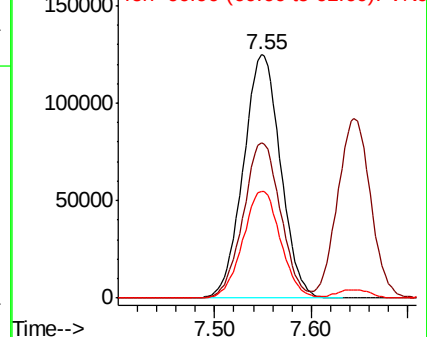
97 100

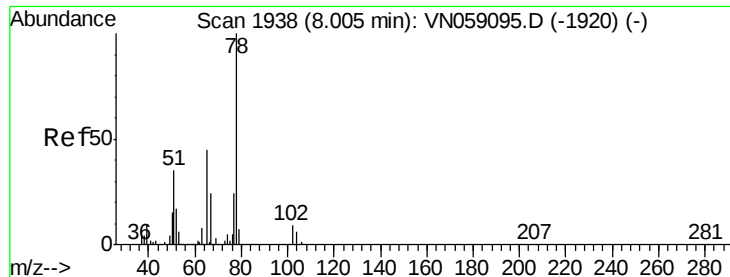
99 63.9 51.0 76.6

61 44.4 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.014 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

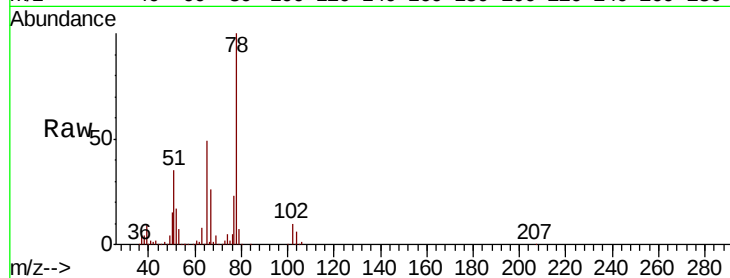
VSTDCCC050EC

Tot Ion: 65 Resp: 234890

Ion Ratio Lower Upper

65 100

67 54.9 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059095.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059095.D (-1920) (-)

8.00

100000

80000

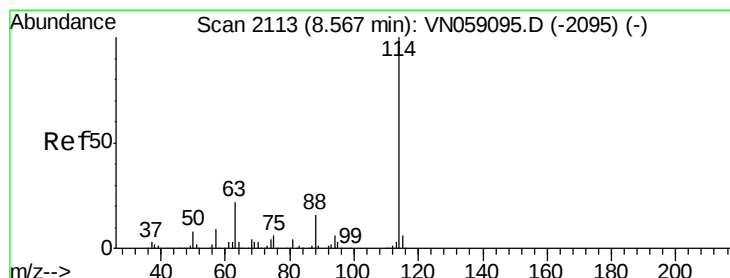
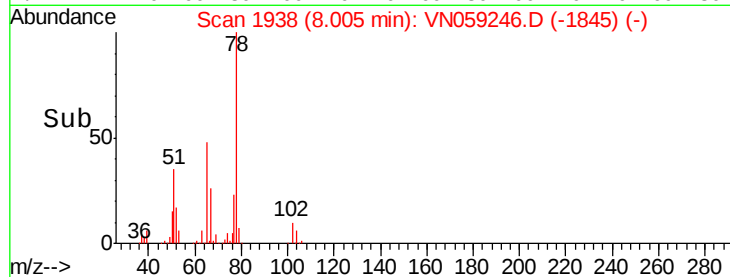
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

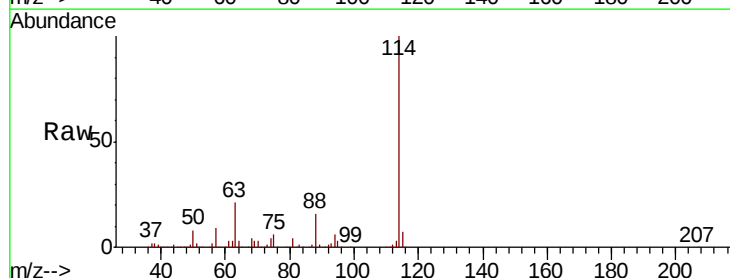
Tgt Ion: 114 Resp: 624779

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059095.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059095.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059095.D (-2095) (-)

8.57

400000

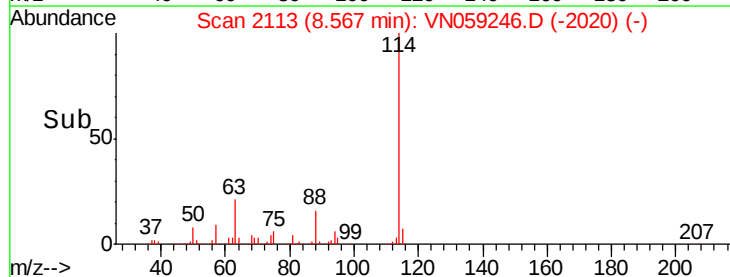
300000

200000

100000

0

Time-->

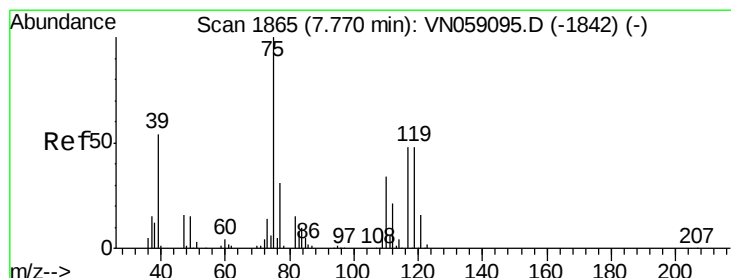
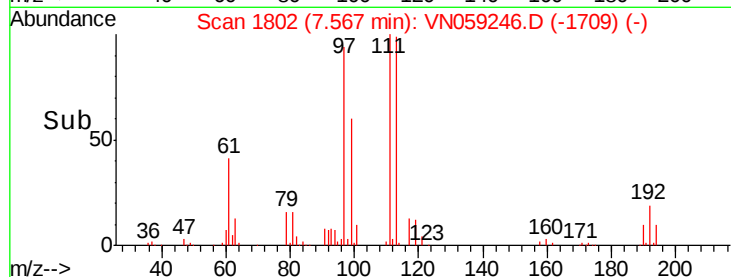
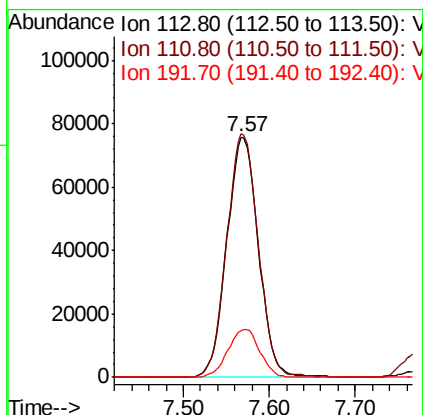
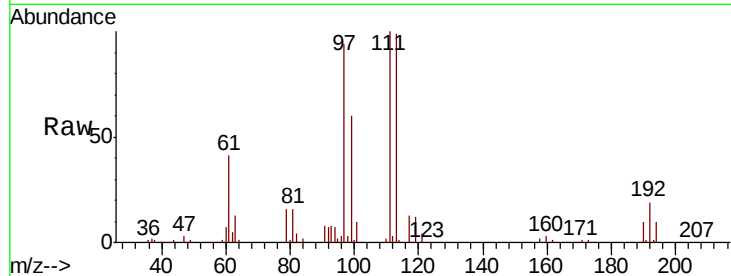




#35
Dibromofluoromethane
Concen: 51.664 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

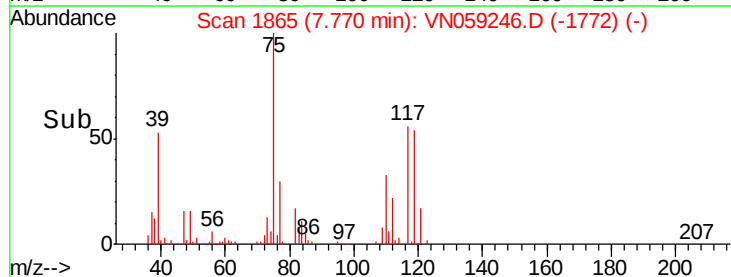
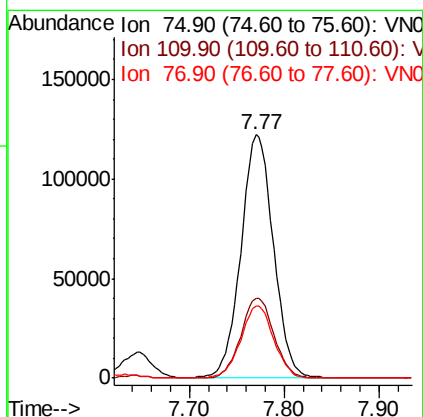
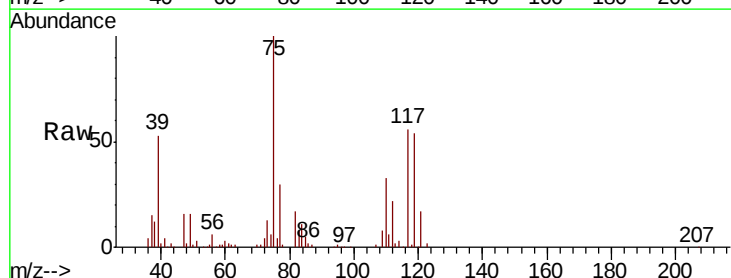
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

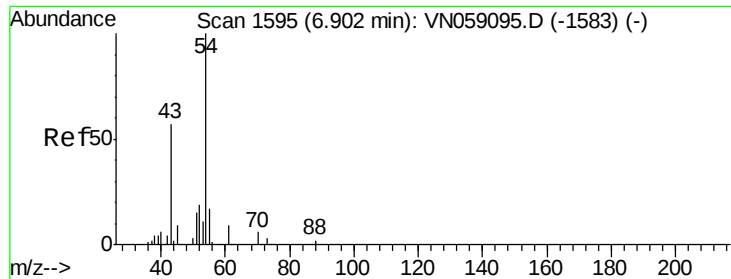
Tot Ion:113 Resp: 192735
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 20.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 49.824 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 75 Resp: 290965
Ion Ratio Lower Upper
75 100
110 33.5 17.1 51.2
77 30.3 24.8 37.2

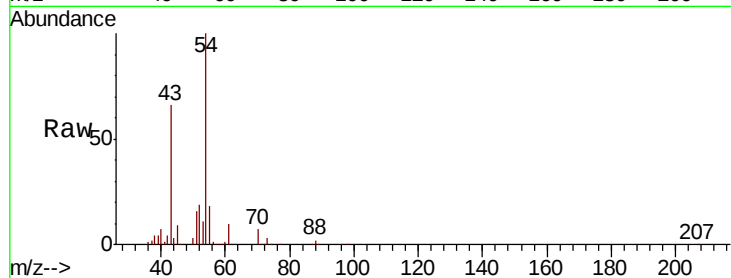




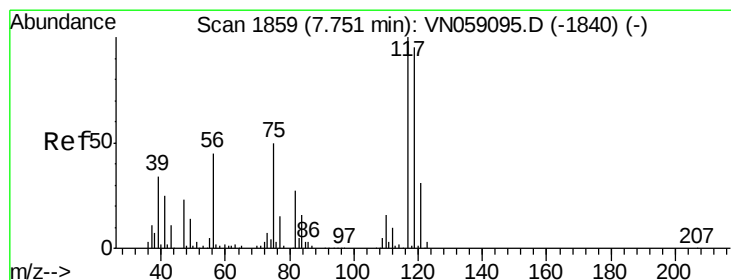
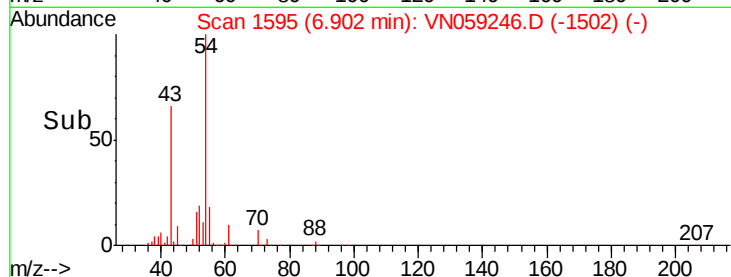
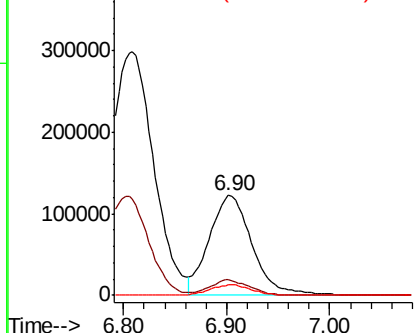
#37
Ethyl Acetate
Concen: 53.532 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 347778
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 10.1 7.8 11.8

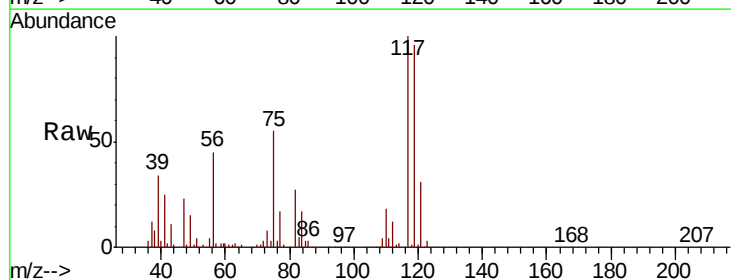


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

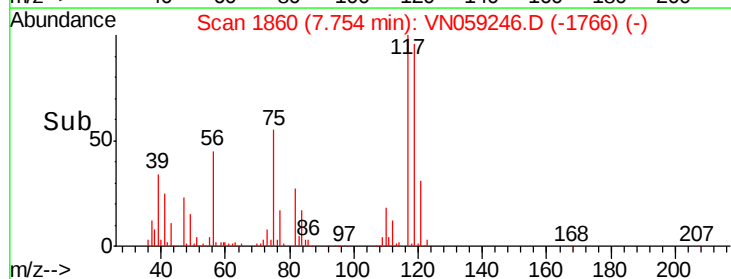
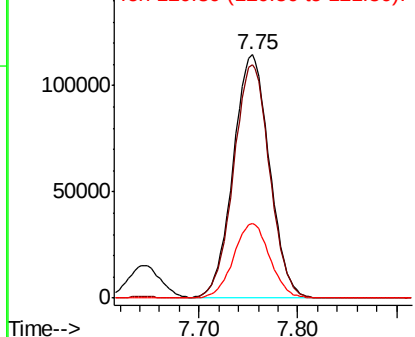


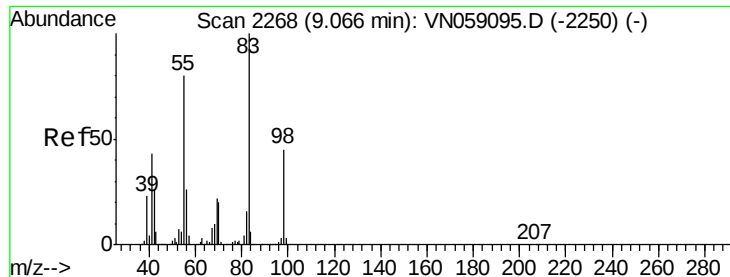
#38
Carbon Tetrachloride
Concen: 50.446 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 117 Resp: 293219
Ion Ratio Lower Upper
117 100
119 96.1 75.6 113.4
121 30.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

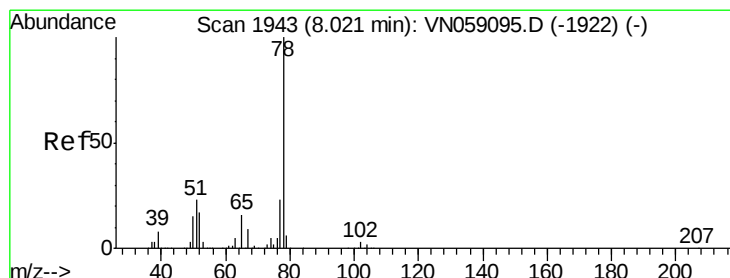
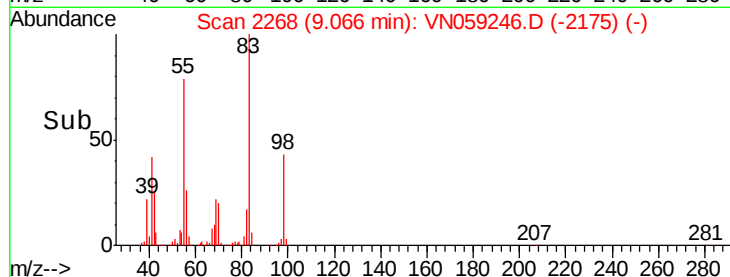
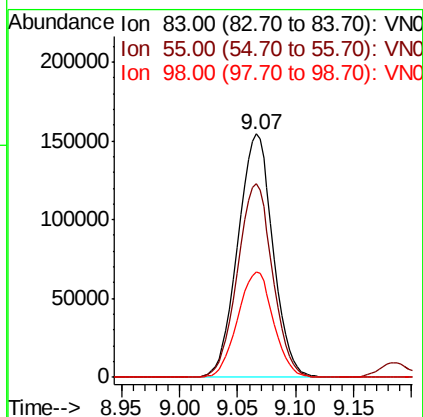
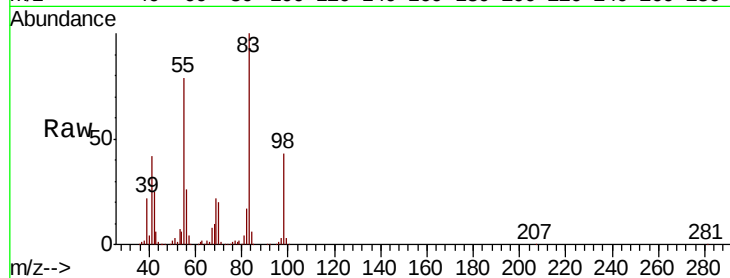




#39
Methvlcvclohexane
Concen: 47.875 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

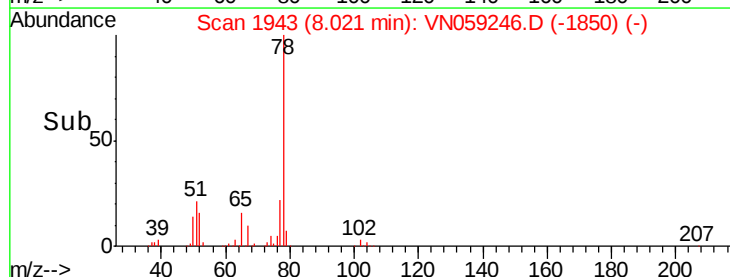
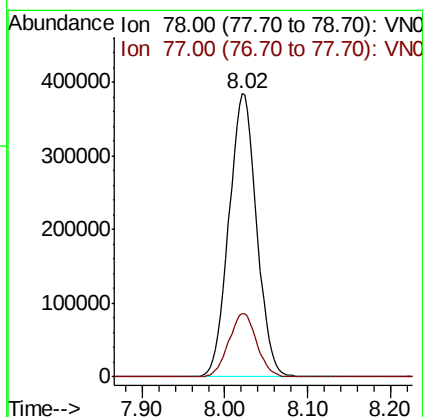
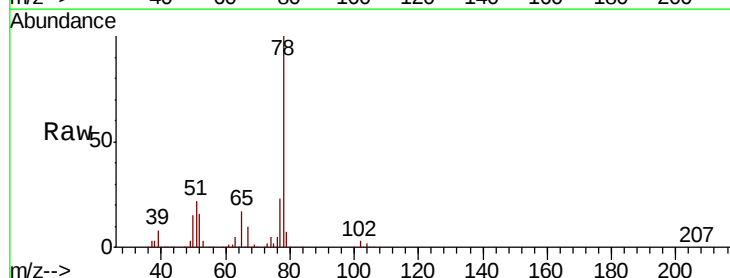
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

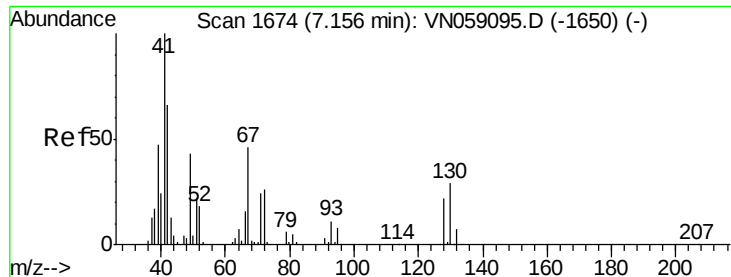
Tot Ion: 83 Resp: 324482
Ion Ratio Lower Upper
83 100
55 79.5 63.9 95.9
98 43.3 35.6 53.4



#40
Benzene
Concen: 50.993 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 78 Resp: 896750
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2

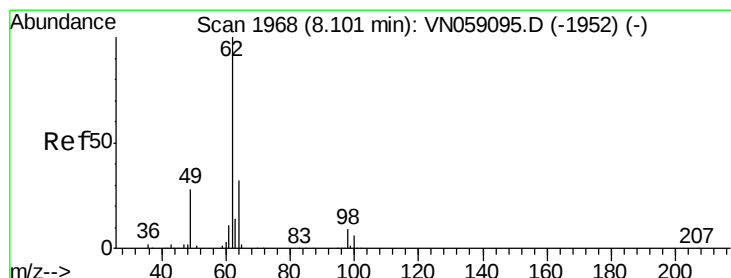
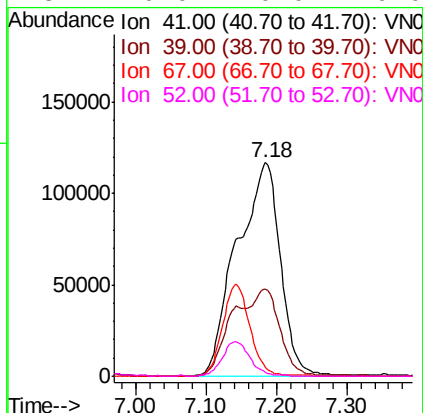
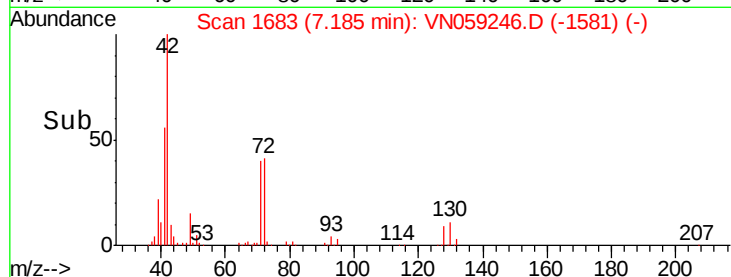
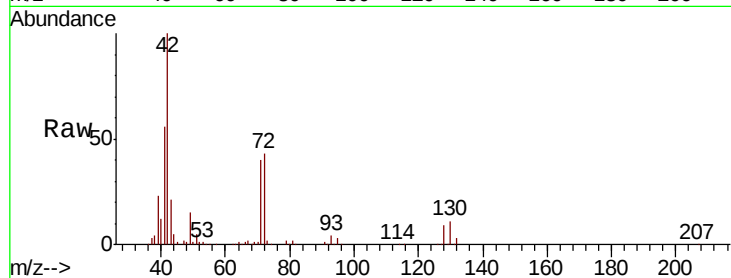




#41
Methacrylonitrile
Concen: 177.364 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

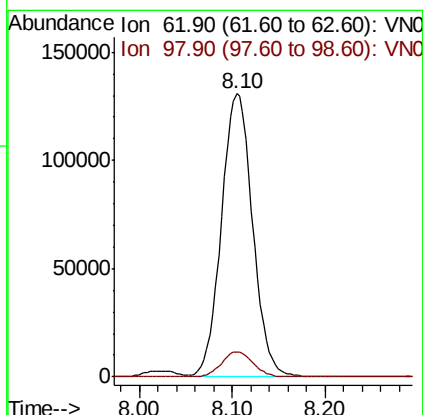
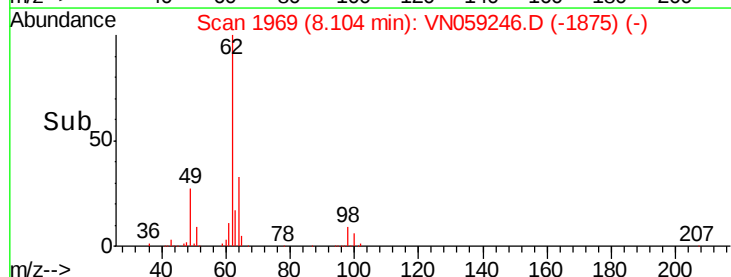
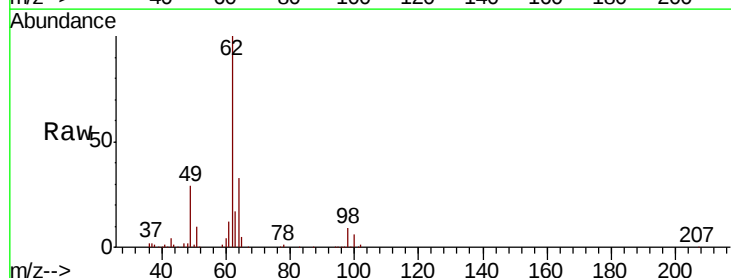
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

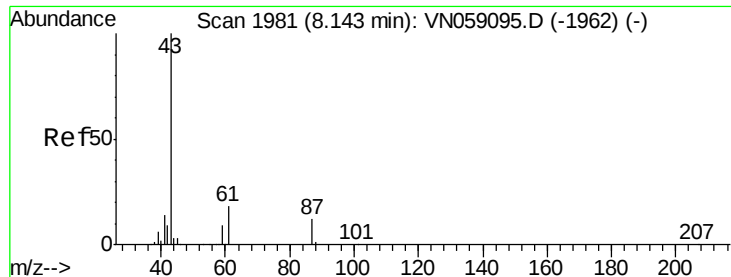
Tot Ion:	41	Resp:	501059
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.678 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion:	62	Resp:	305664
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8

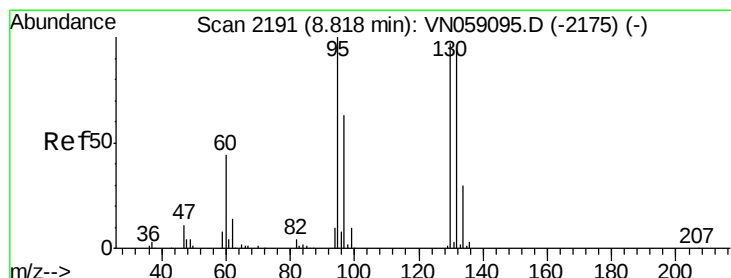
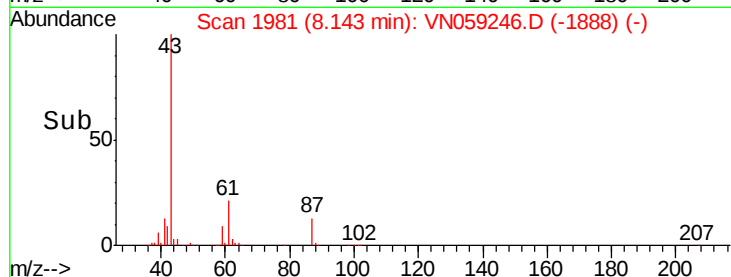
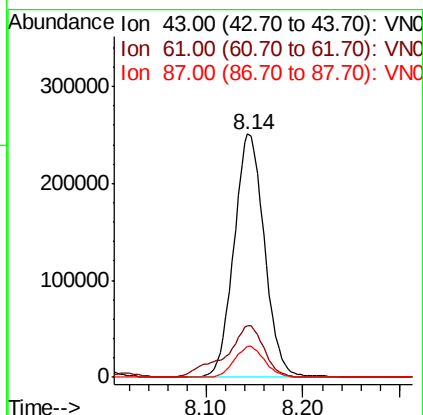
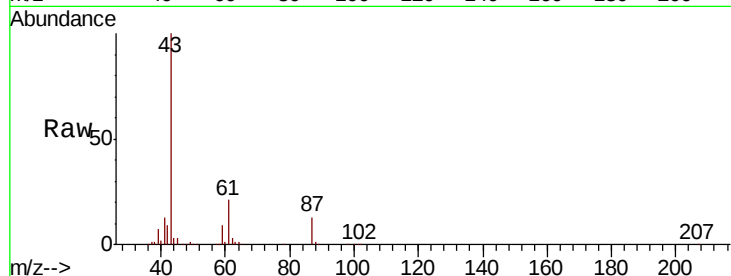




#43
Isopropyl Acetate
Concen: 52.872 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

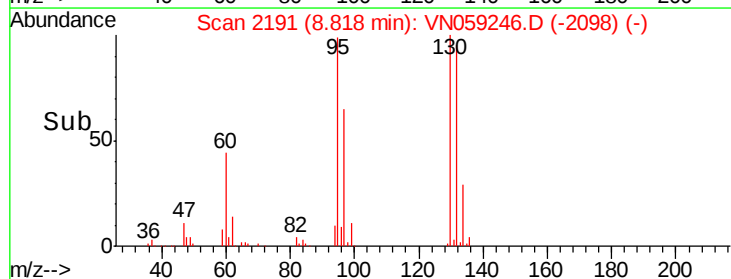
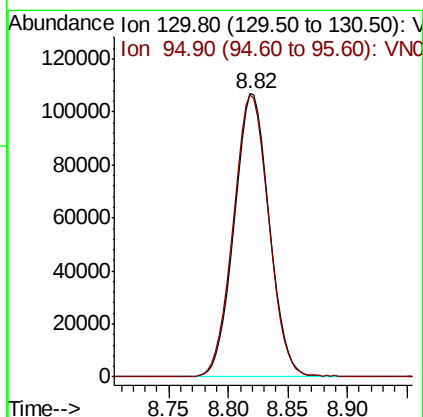
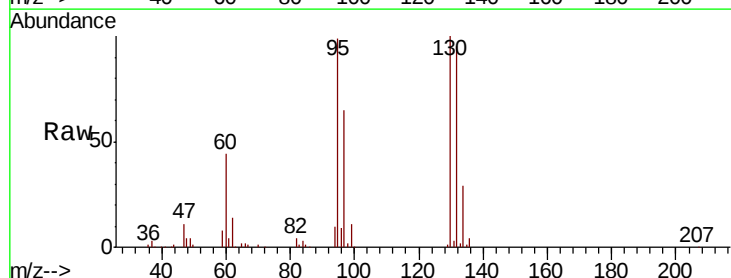
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

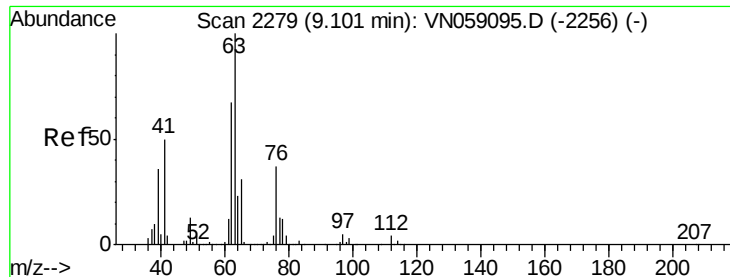
Tot Ion: 43 Resp: 547611
Ion Ratio Lower Upper
43 100
61 26.6 21.0 31.6
87 12.8 9.8 14.6



#44
Trichloroethene
Concen: 50.423 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 130 Resp: 217976
Ion Ratio Lower Upper
130 100
95 99.5 0.0 206.4





#45

1,2-Dichloropropane

Concen: 52.073 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

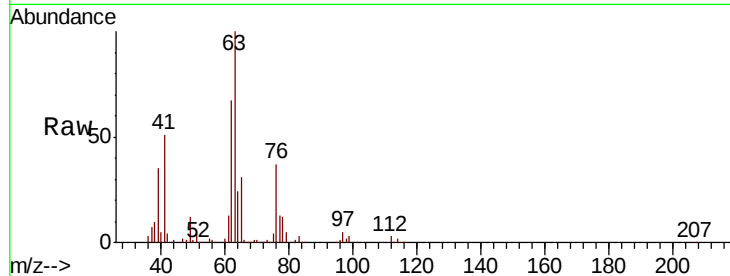
VSTDCCC050EC

Tot Ion: 63 Resp: 248733

Ion Ratio Lower Upper

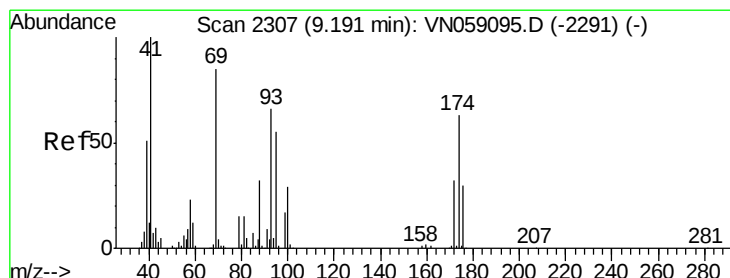
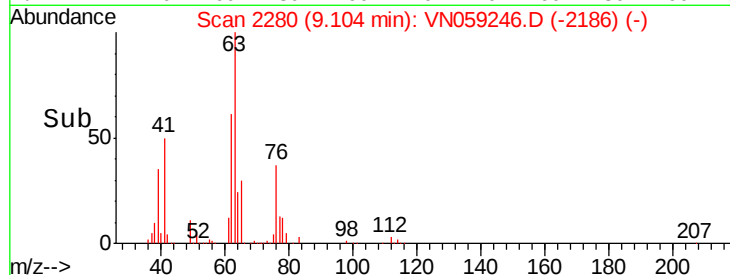
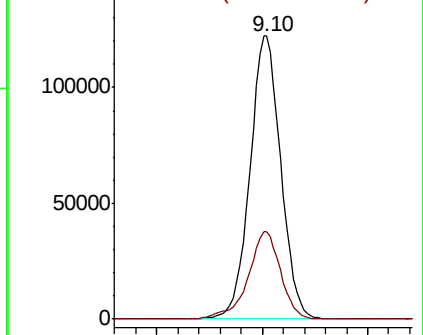
63 100

65 30.9 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.858 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

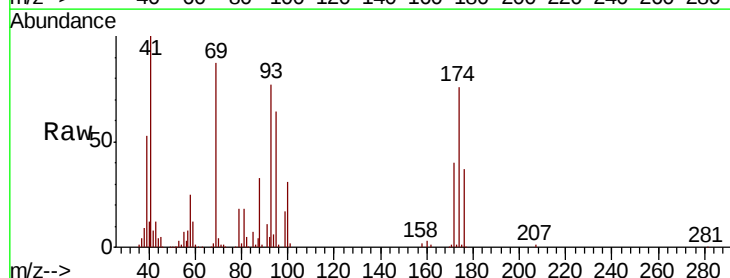
Tgt Ion: 93 Resp: 151380

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

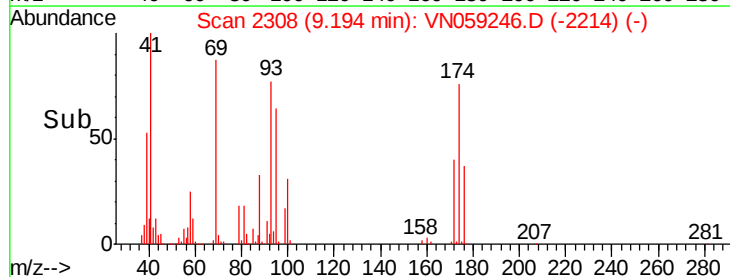
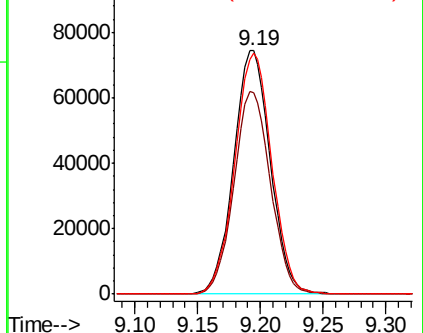
174 99.8 78.2 117.2

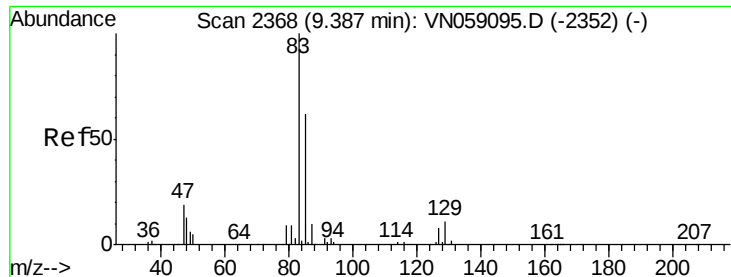


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

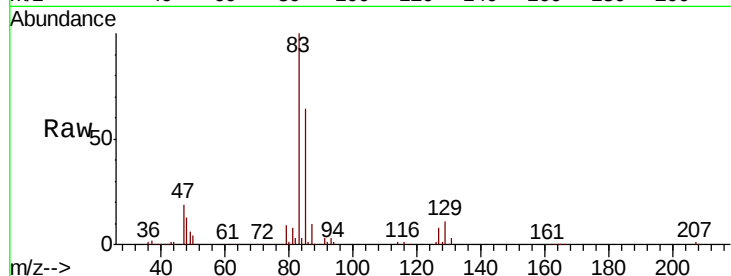




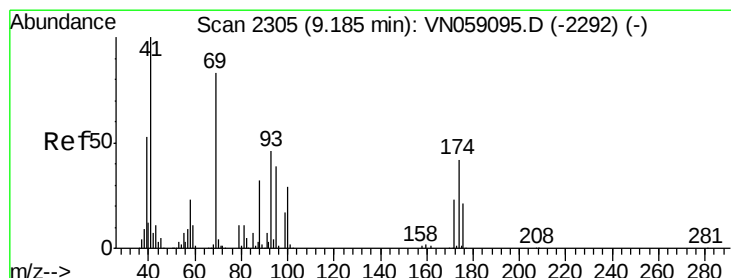
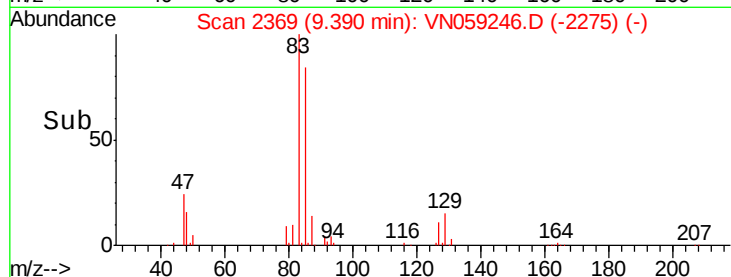
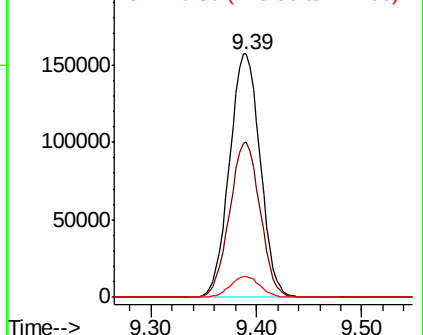
#47
Bromodichloromethane
Concen: 53.212 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 316275
Ion Ratio Lower Upper
83 100
85 63.7 49.7 74.5
127 8.5 6.4 9.6

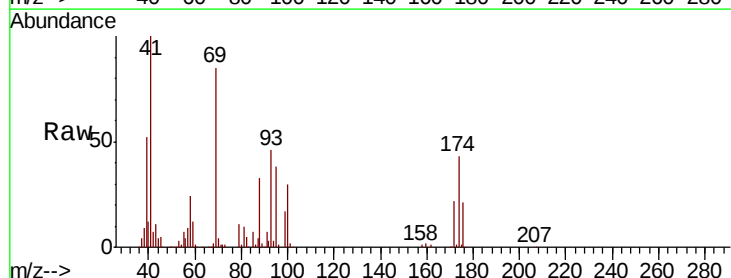


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

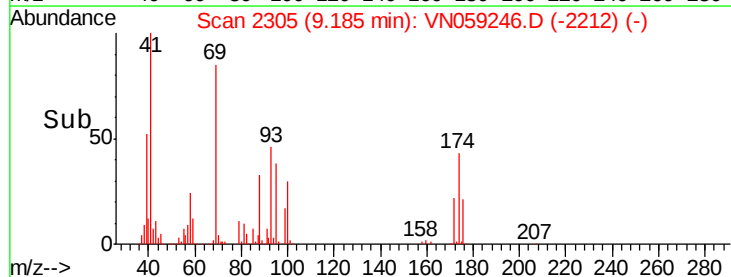
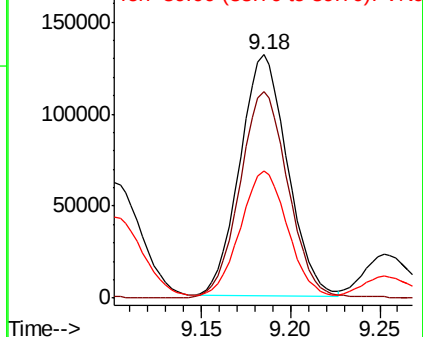


#48
Methyl methacrylate
Concen: 52.612 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 41 Resp: 243740
Ion Ratio Lower Upper
41 100
69 87.8 67.3 100.9
39 53.0 43.3 64.9



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

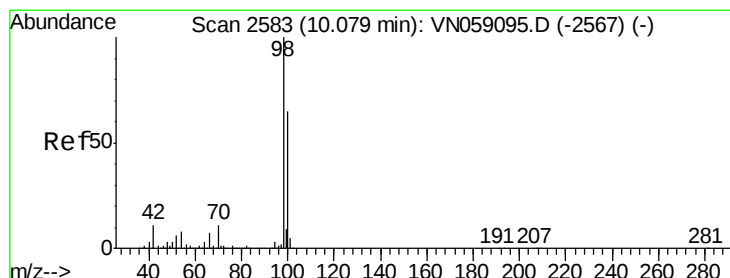
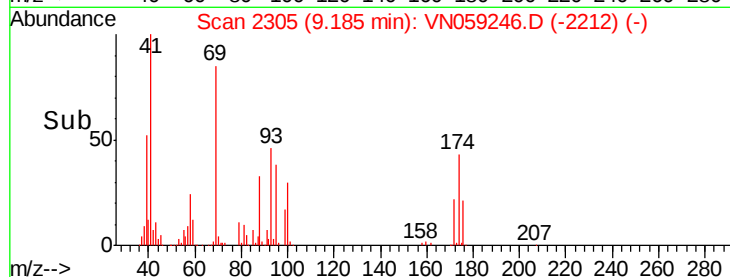
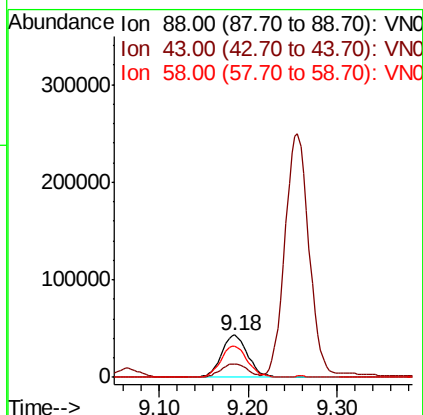
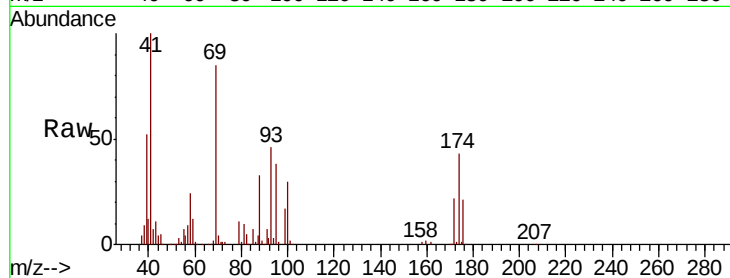




#49
1,4-Dioxane
Concen: 1081.636 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

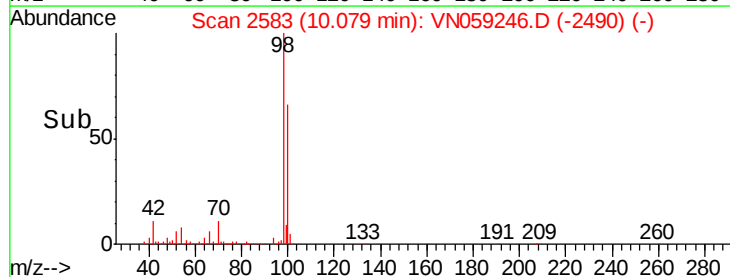
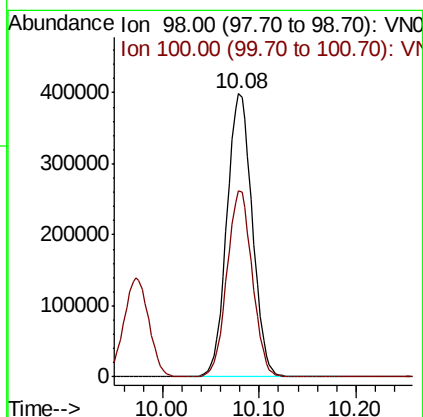
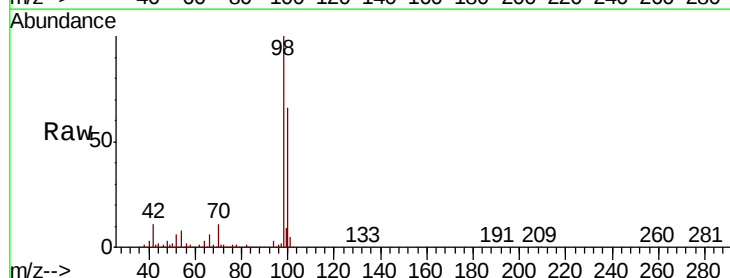
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

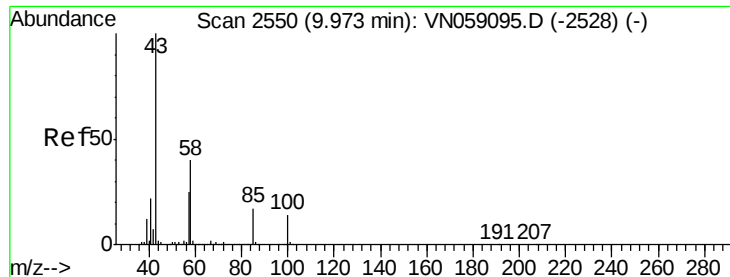
Tot Ion: 88 Resp: 89053
Ion Ratio Lower Upper
88 100
43 31.8 26.3 39.5
58 73.9 60.6 90.8



#50
Toluene-d8
Concen: 49.577 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 98 Resp: 728503
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 301.121 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

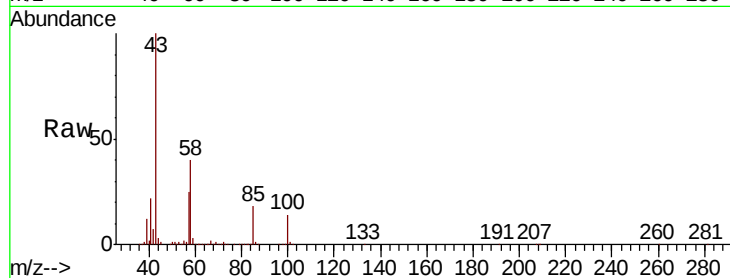
VSTDCCC050EC

Tot Ion: 43 Resp: 1764700

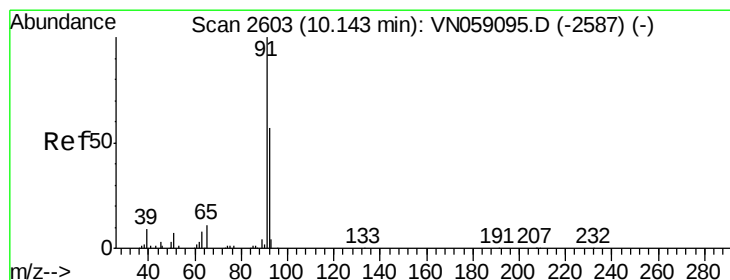
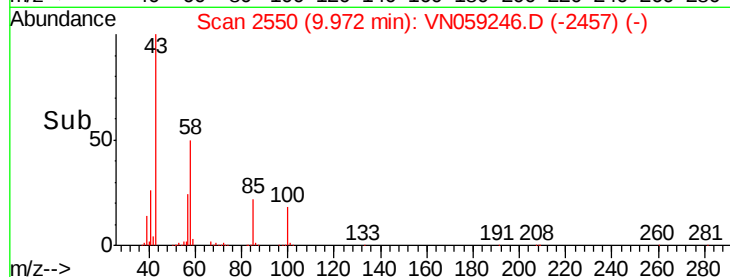
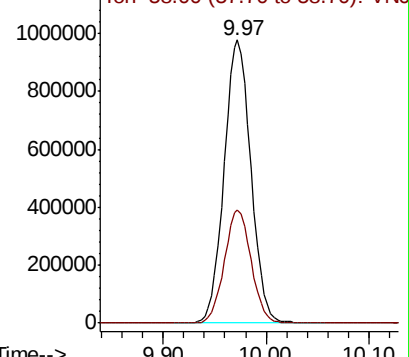
Ion Ratio Lower Upper

43 100

58 40.0 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)



#52

Toluene

Concen: 51.940 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059246.D

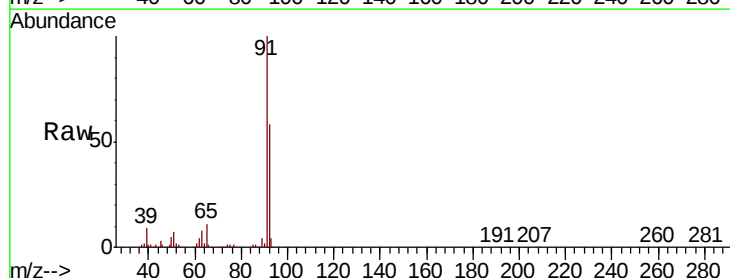
Acq: 14 Nov 2019 19:46

Tgt Ion: 92 Resp: 547467

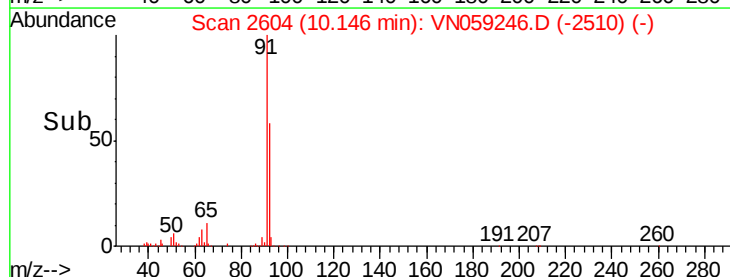
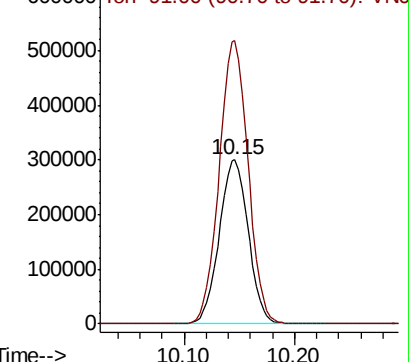
Ion Ratio Lower Upper

92 100

91 172.0 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 51.723 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

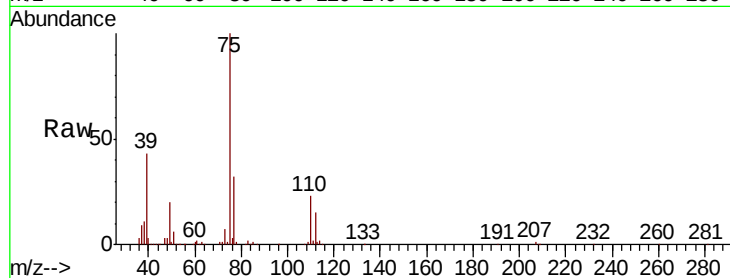
VSTDCCC050EC

Tot Ion: 75 Resp: 355180

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

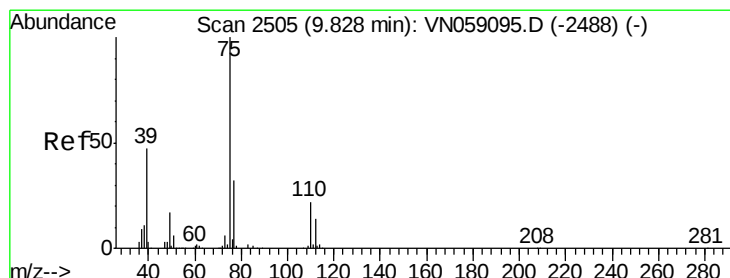
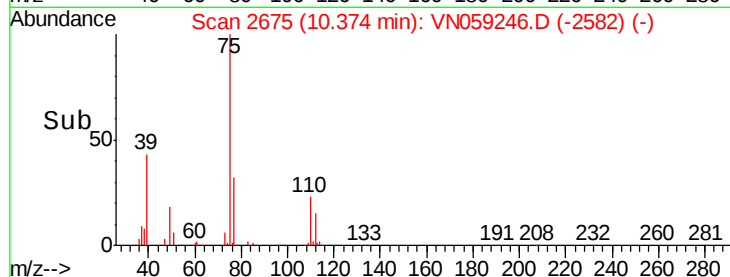
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.974 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

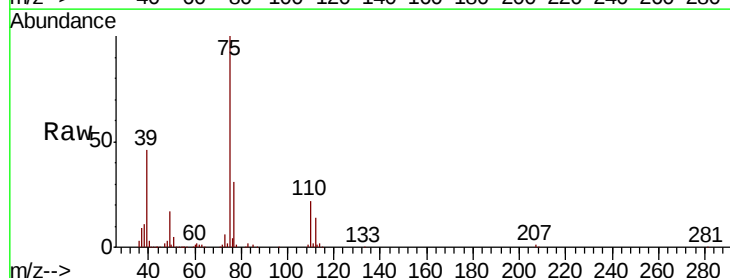
Tgt Ion: 75 Resp: 383911

Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 45.8 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

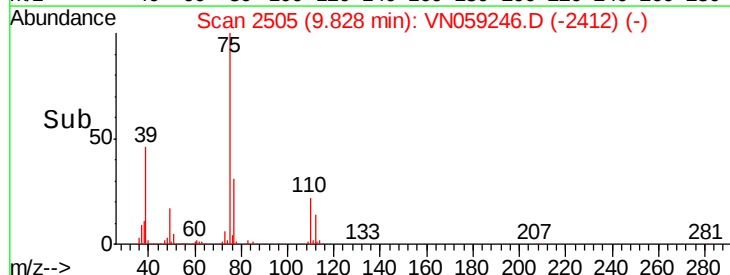
150000

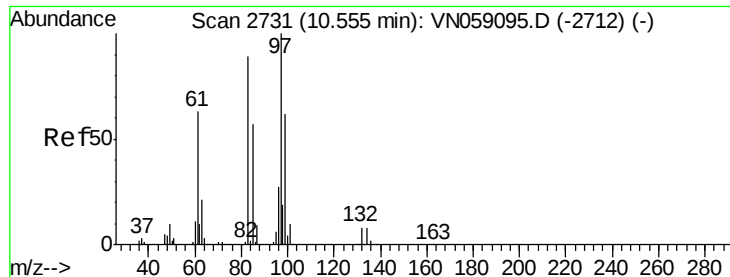
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.008 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 226122

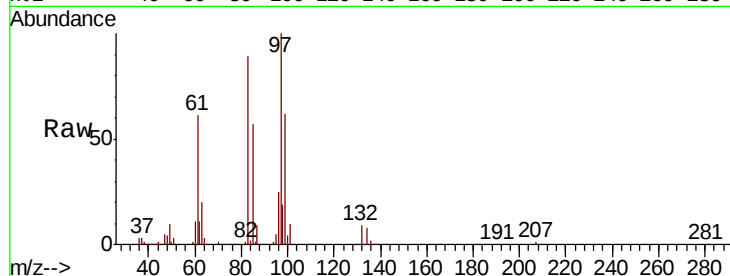
Ion Ratio Lower Upper

97 100

83 89.4 71.0 106.4

85 57.4 45.8 68.8

99 62.4 49.4 74.0



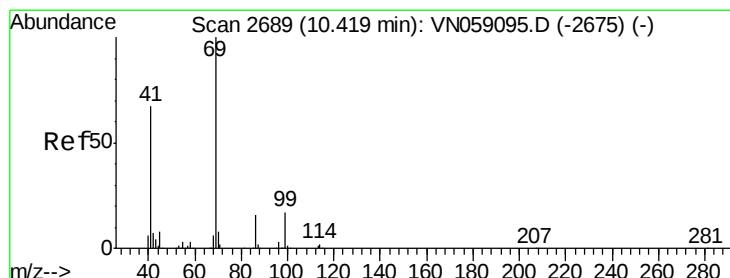
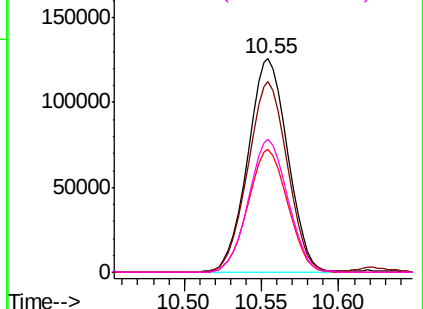
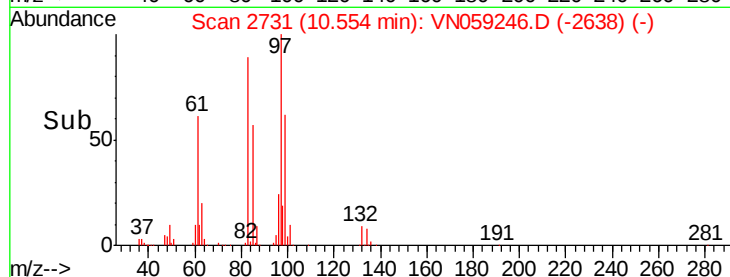
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.906 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

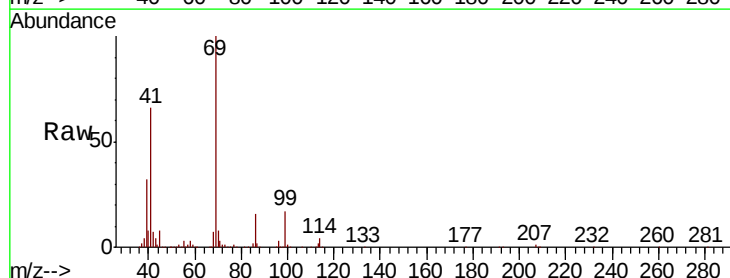
Tgt Ion: 69 Resp: 362445

Ion Ratio Lower Upper

69 100

41 65.2 53.6 80.4

39 31.5 26.2 39.4

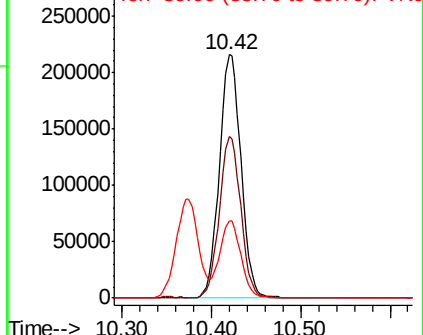
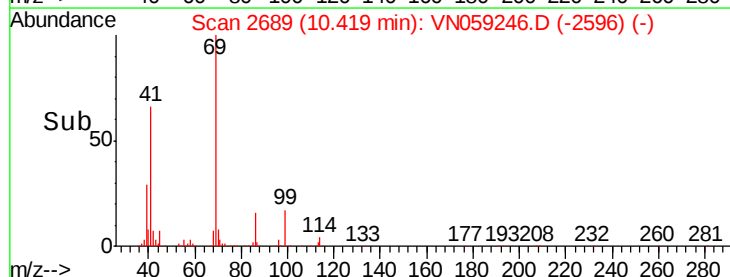


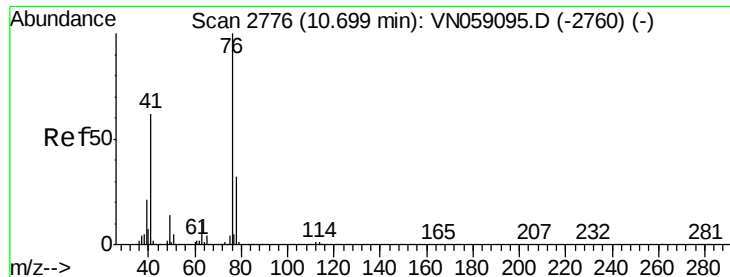
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

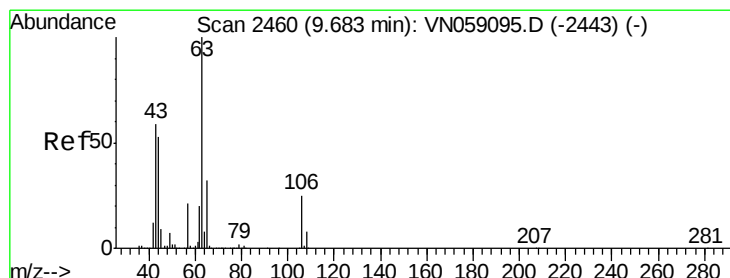
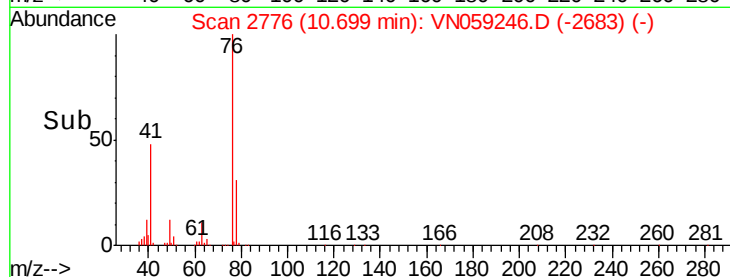
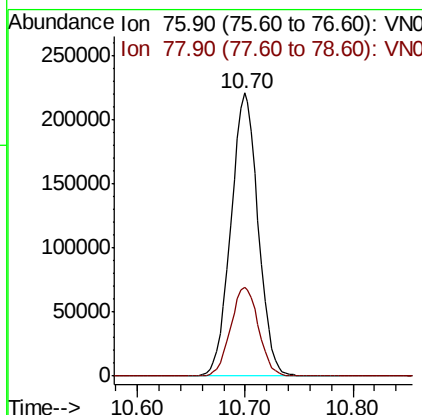
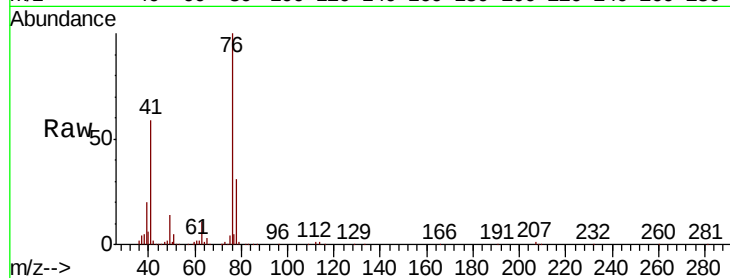




#57
 1,3-Dichloropropane
 Concen: 52.855 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

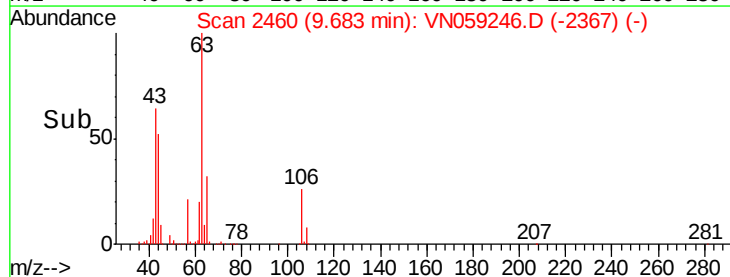
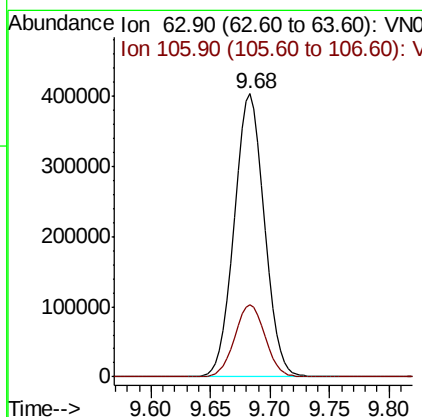
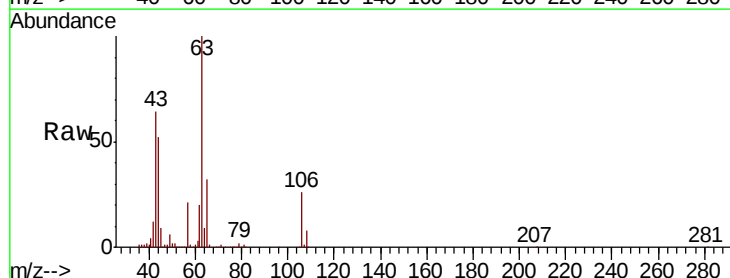
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

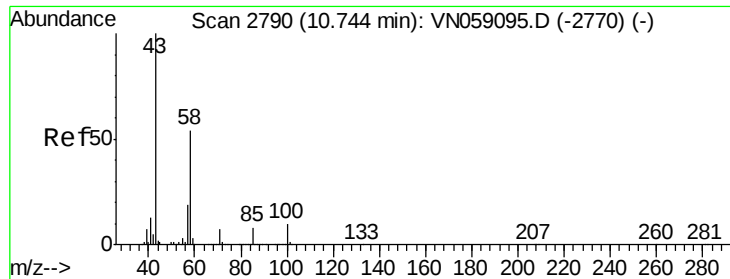
Tot Ion: 76 Resp: 388057
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.197 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion: 63 Resp: 710305
 Ion Ratio Lower Upper
 63 100
 106 25.7 20.2 30.2

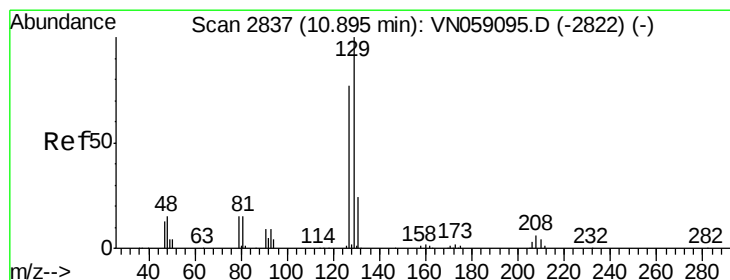
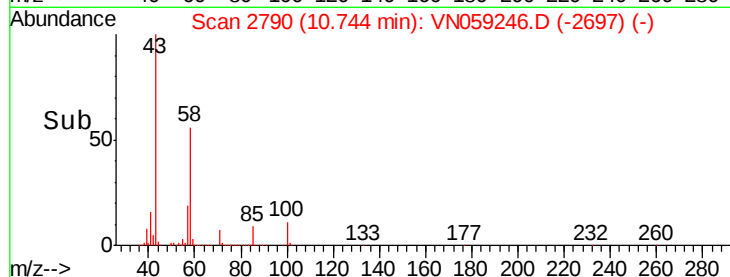
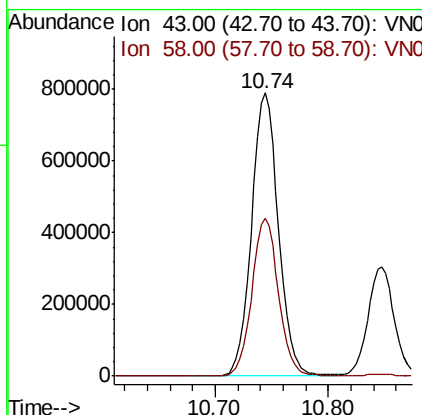
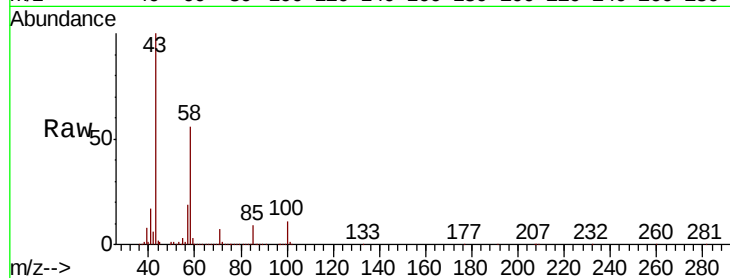




#59
2-Hexanone
Concen: 289.058 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

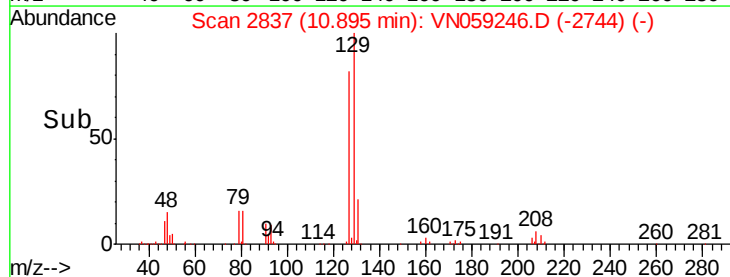
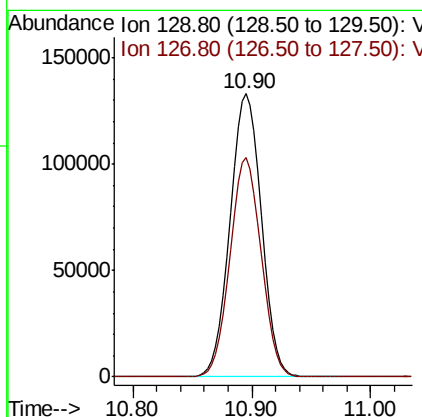
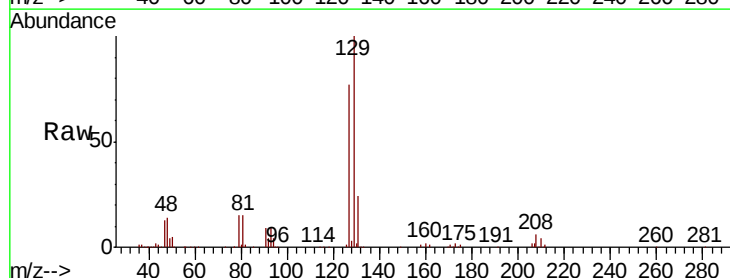
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

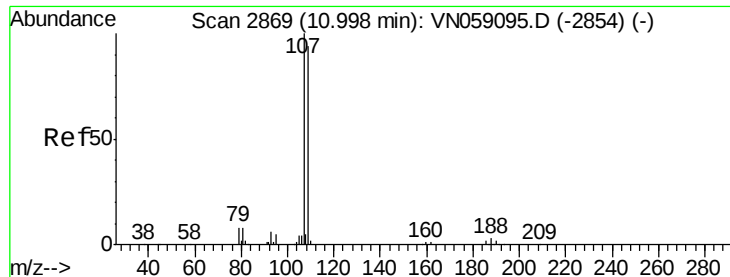
Tot Ion: 43 Resp: 1300228
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8



#60
Dibromochloromethane
Concen: 53.960 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 129 Resp: 243371
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

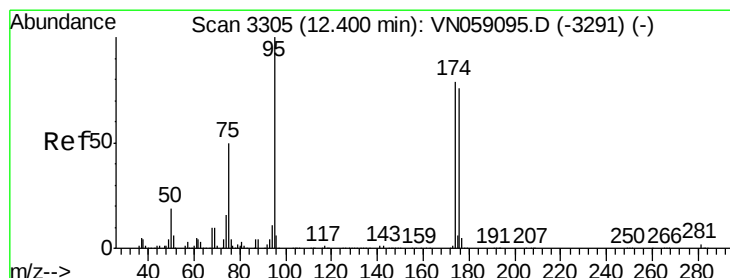
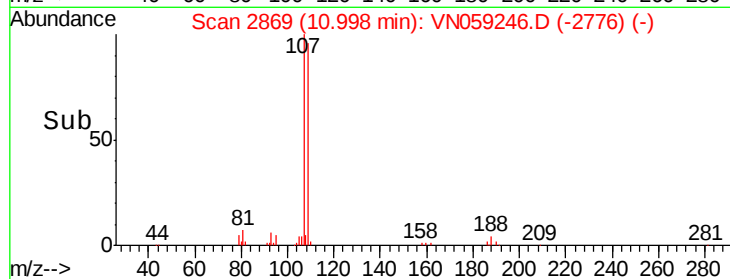
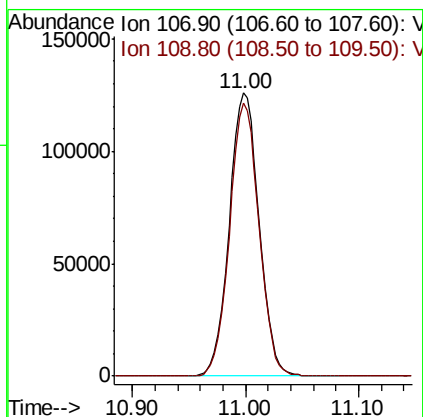
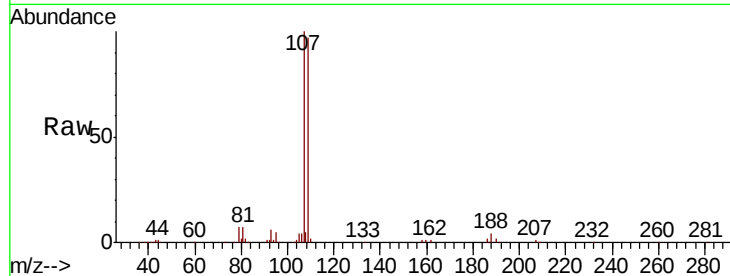




#61
 1,2-Dibromoethane
 Concen: 53.312 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

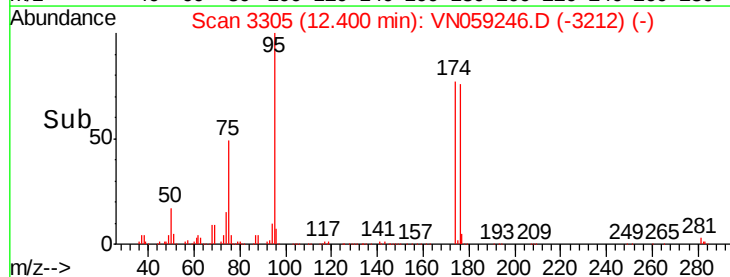
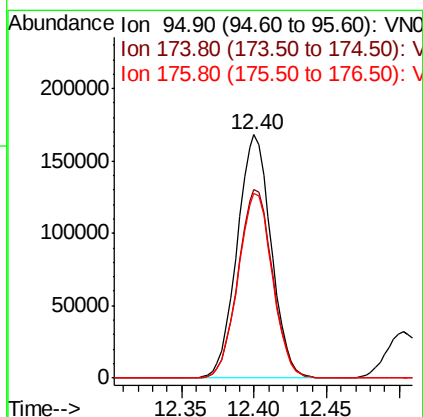
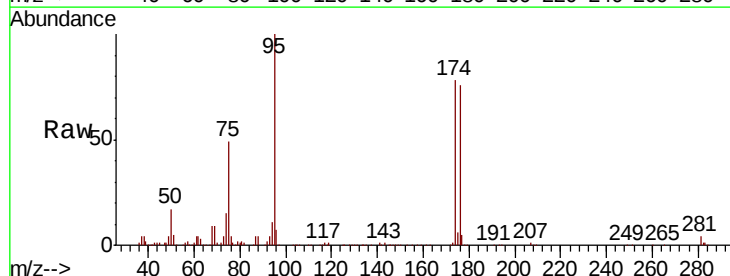
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

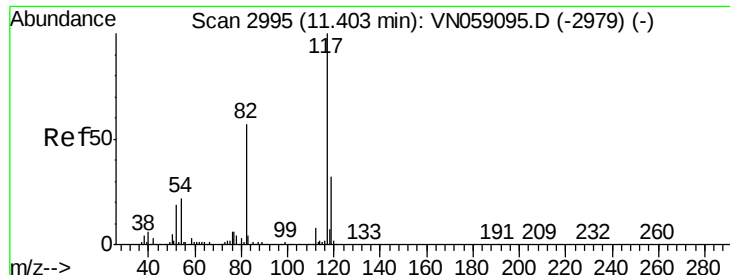
Tot Ion:107 Resp: 230219
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 51.747 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion: 95 Resp: 274163
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 158.2
 176 76.8 0.0 151.8

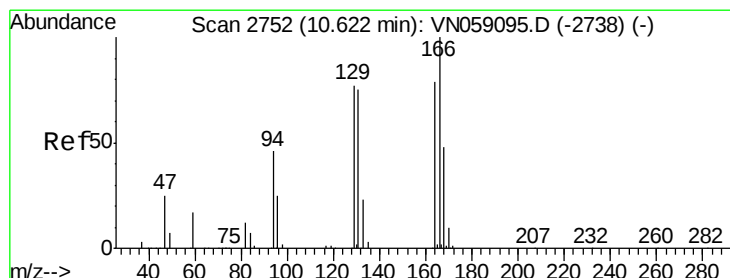
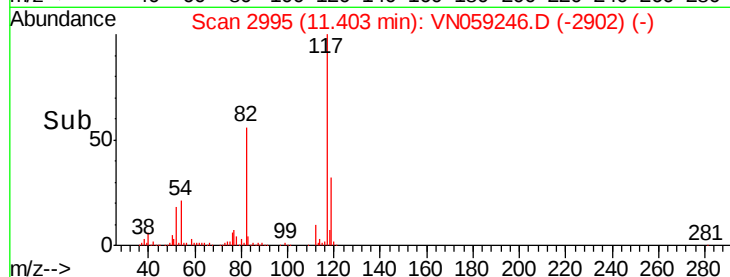
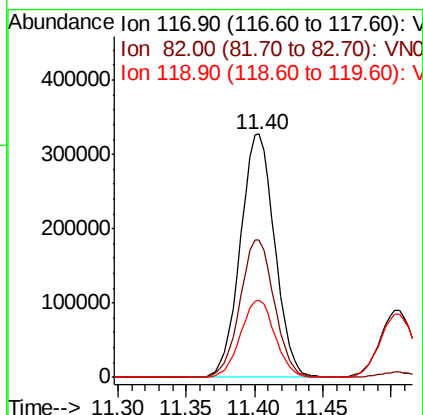
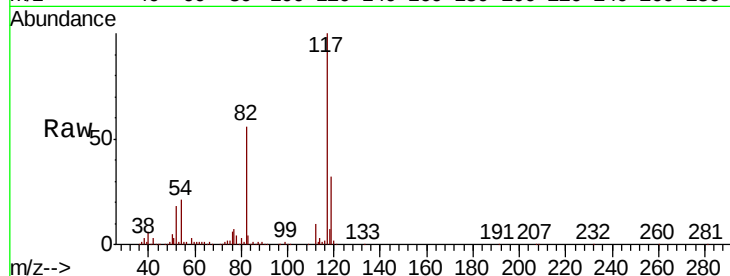




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

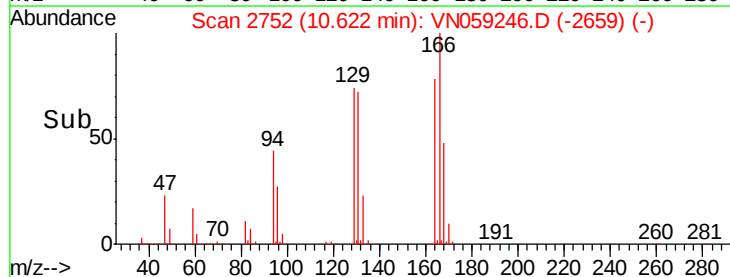
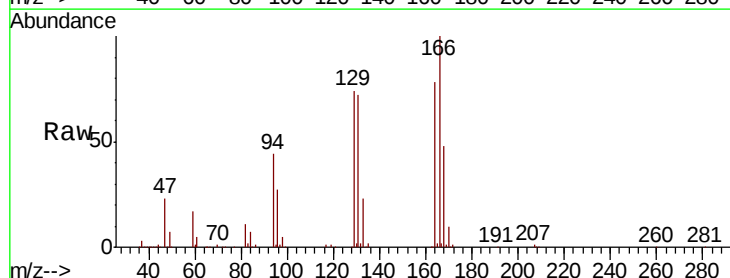
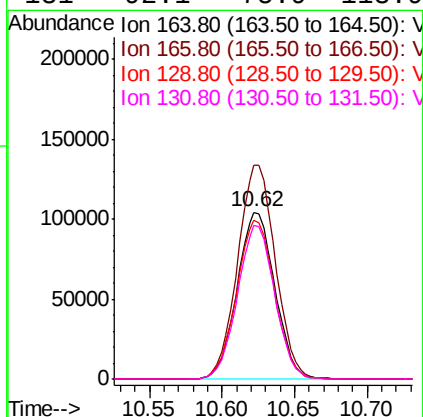
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

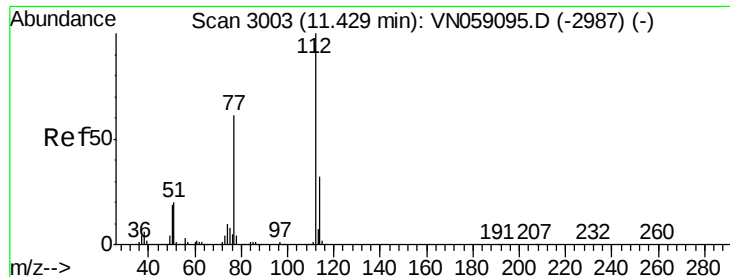
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.8	68.8
119	31.8	25.8	38.6



#64
Tetrachloroethene
Concen: 48.333 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.5	152.3
129	95.1	78.3	117.5
131	92.1	75.9	113.9

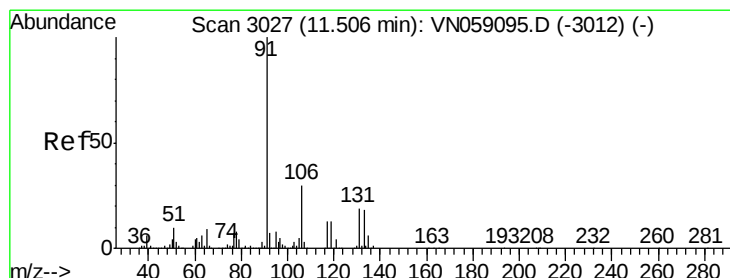
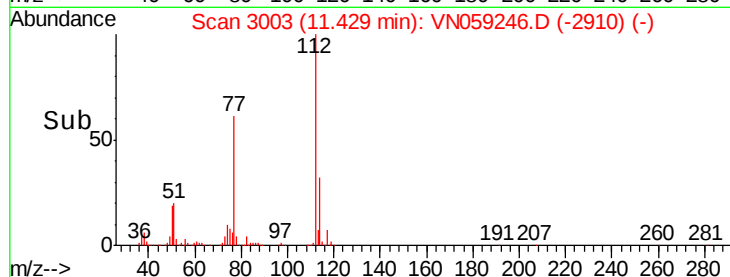
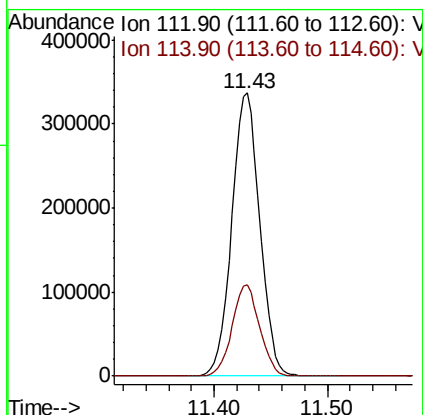
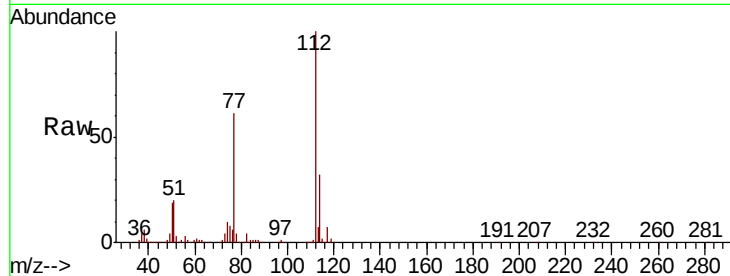




#65
Chlorobenzene
Concen: 51.974 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

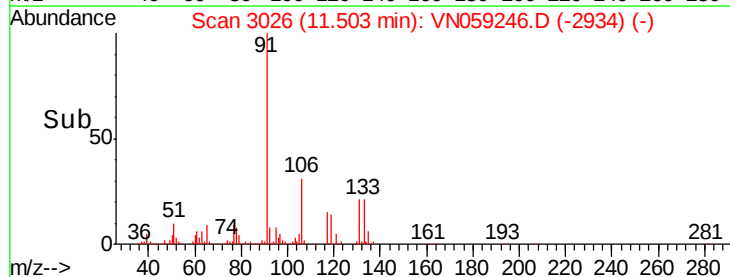
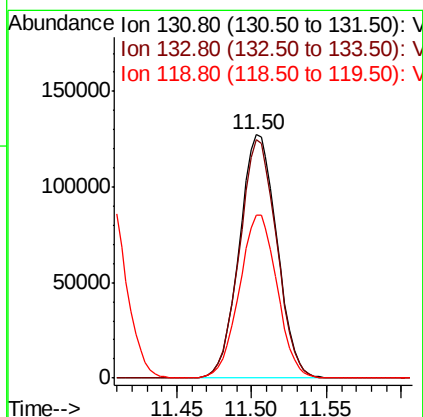
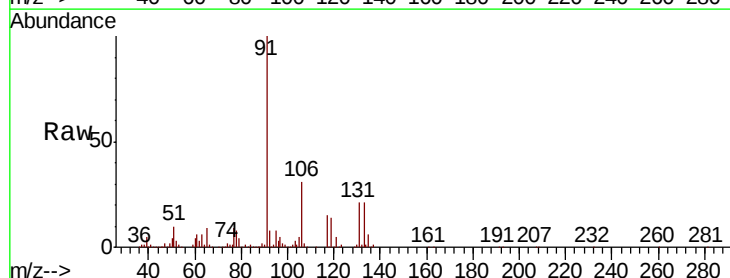
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

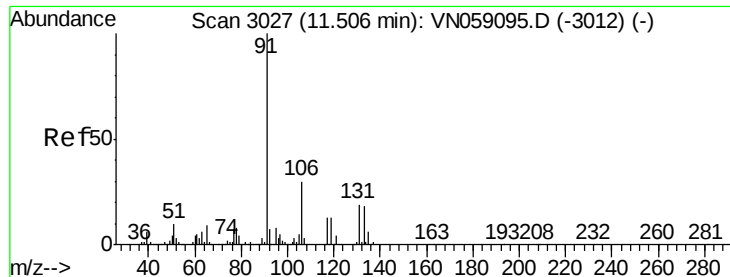
Tot Ion:112 Resp: 580135
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.295 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion:131 Resp: 223154
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 67.1 33.2 99.6





#67

Ethyl Benzene

Concen: 53.218 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

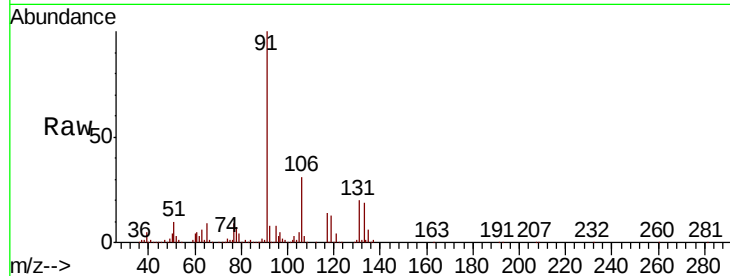
VSTDCCC050EC

Tot Ion: 91 Resp: 1053933

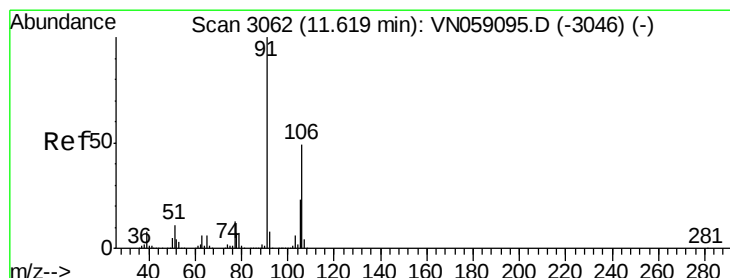
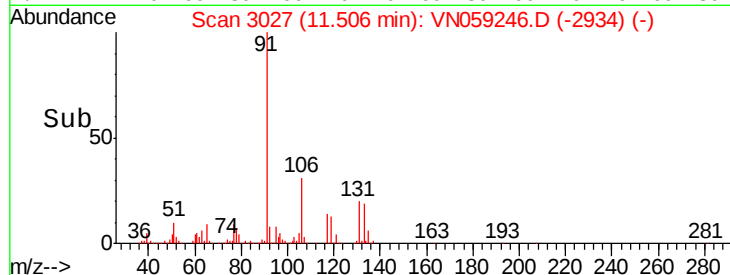
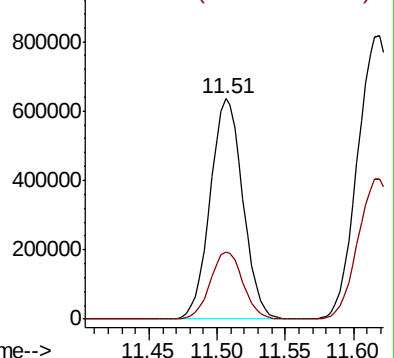
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 106.141 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059246.D

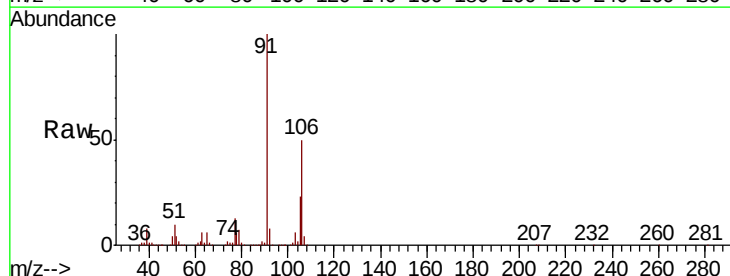
Acq: 14 Nov 2019 19:46

Tgt Ion: 106 Resp: 787387

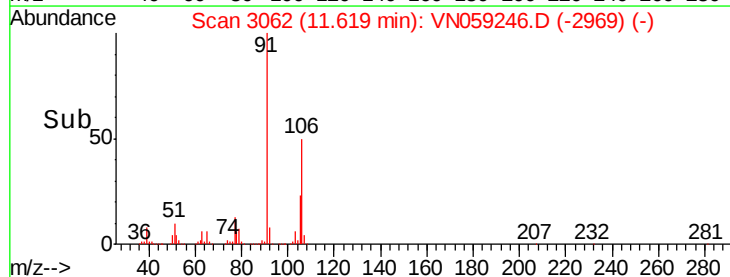
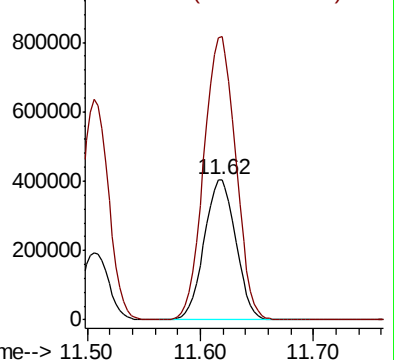
Ion Ratio Lower Upper

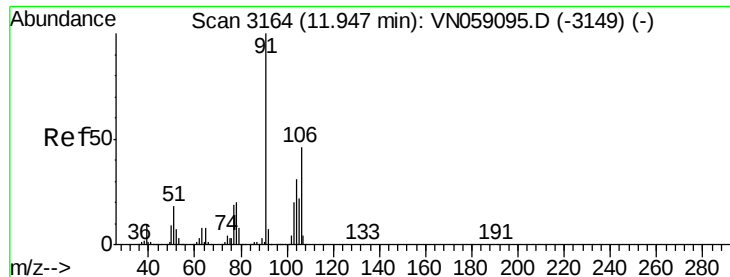
106 100

91 203.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

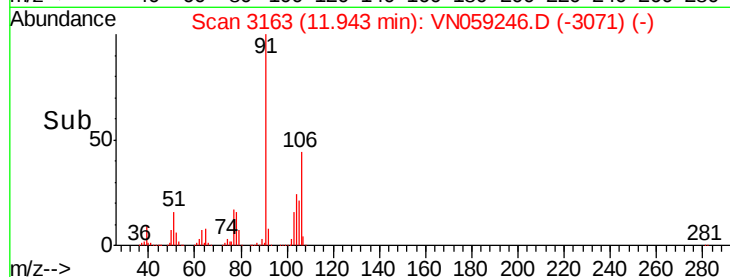
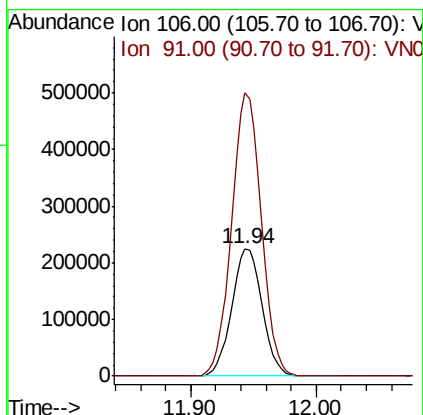
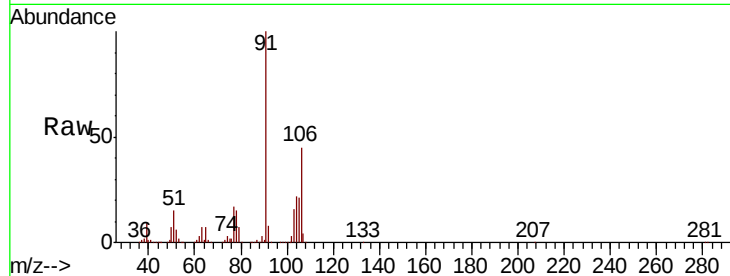




#69
o-Xylene
Concen: 52.506 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

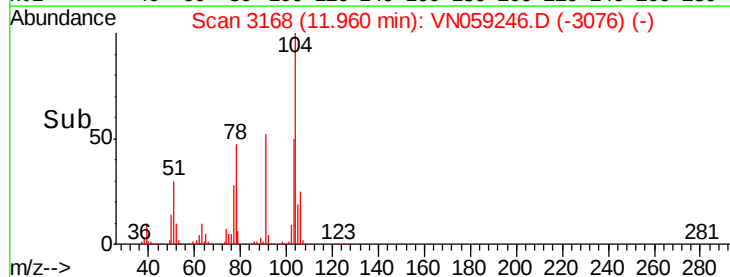
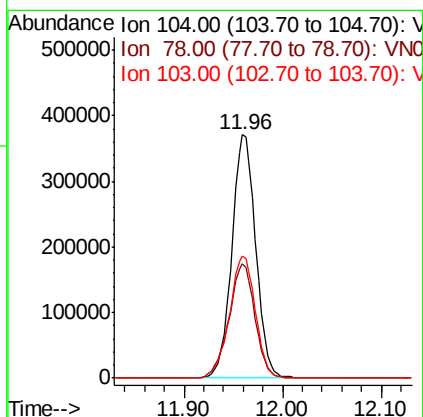
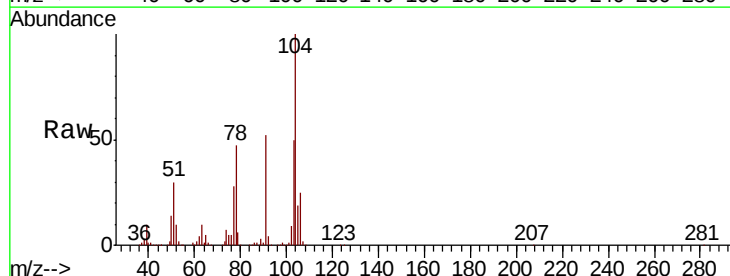
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

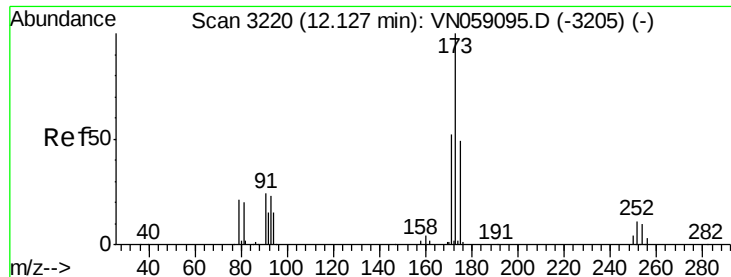
Tot Ion:106 Resp: 376421
Ion Ratio Lower Upper
106 100
91 217.8 110.1 330.3



#70
Styrene
Concen: 55.482 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion:104 Resp: 625563
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 54.6 43.8 65.6





#71

Bromoform

Concen: 54.841 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

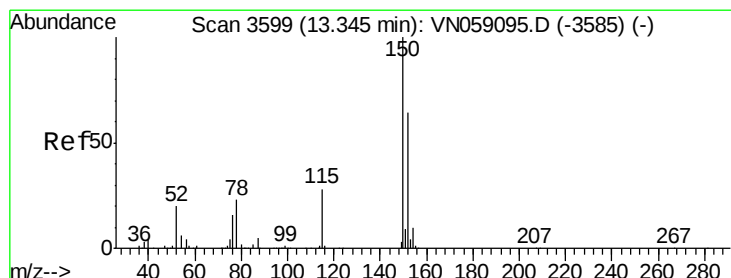
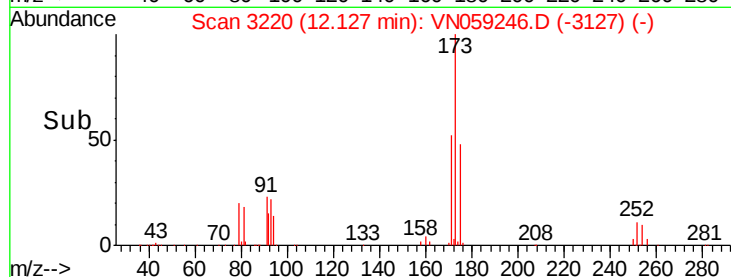
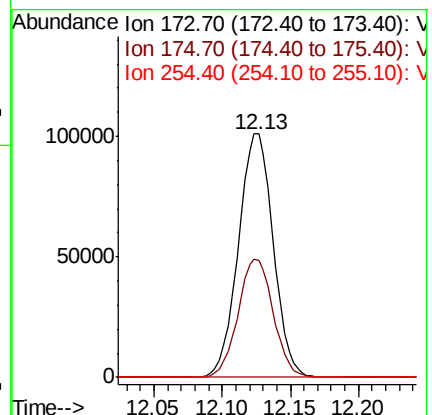
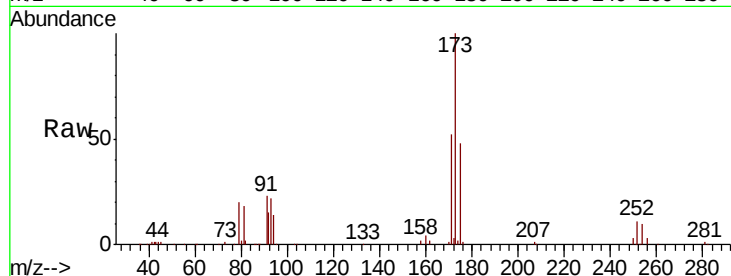
Tot Ion:173 Resp: 178613

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

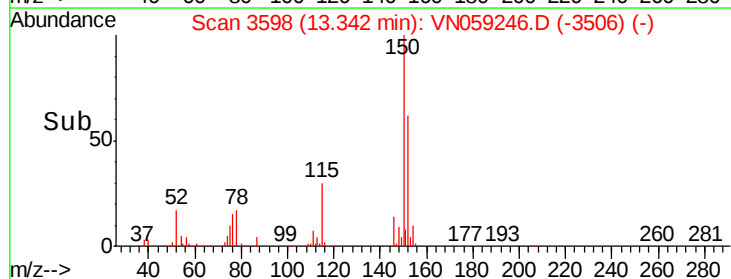
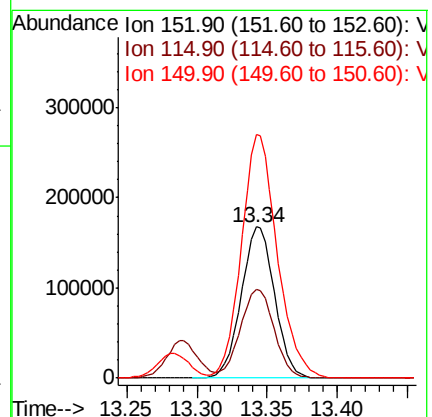
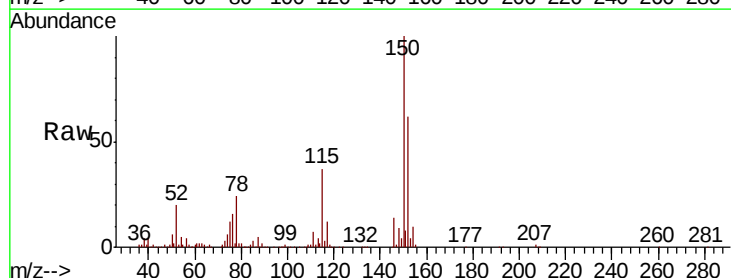
Tgt Ion:152 Resp: 277127

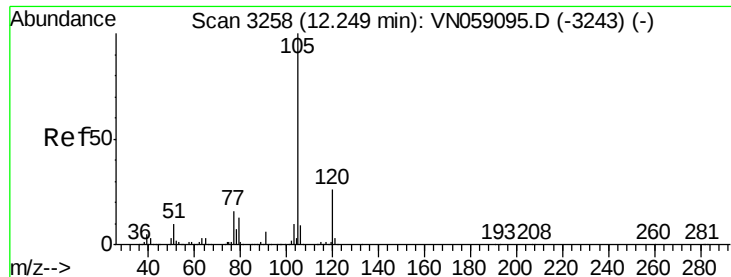
Ion Ratio Lower Upper

152 100

115 59.5 29.4 88.2

150 173.0 0.0 345.8





#73

Isopropylbenzene

Concen: 51.242 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

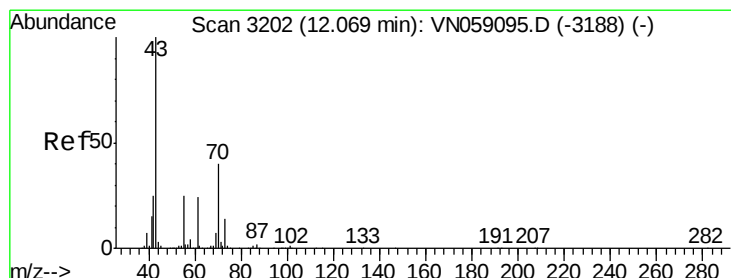
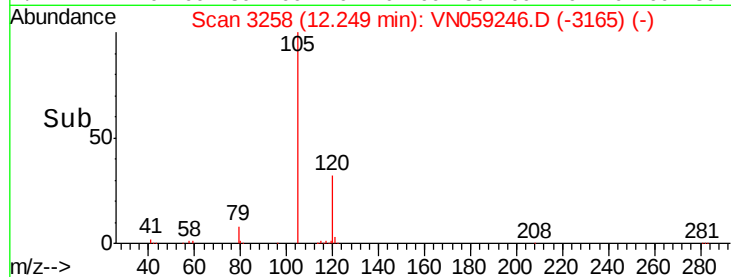
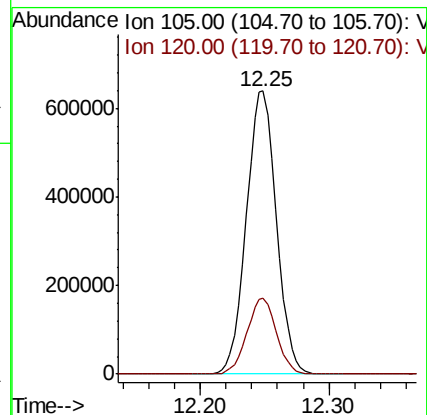
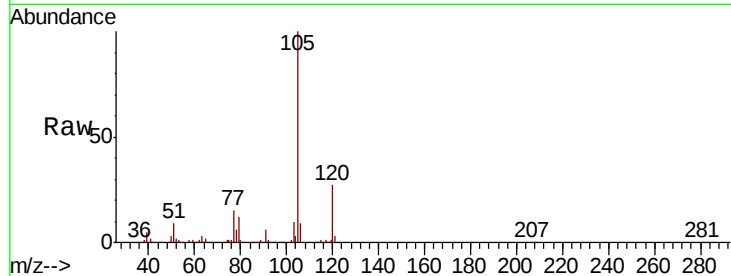
VSTDCCC050EC

Tot Ion:105 Resp: 1032949

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



#74

N-ethyl acetate

Concen: 53.342 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion: 43 Resp: 455640

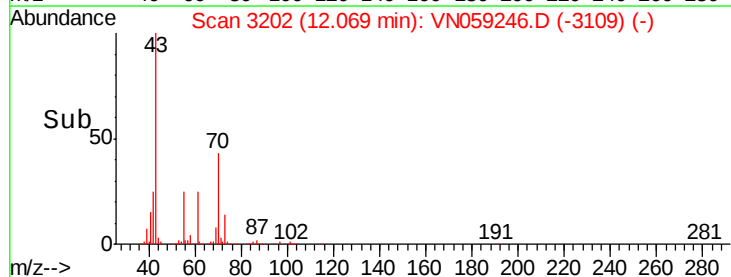
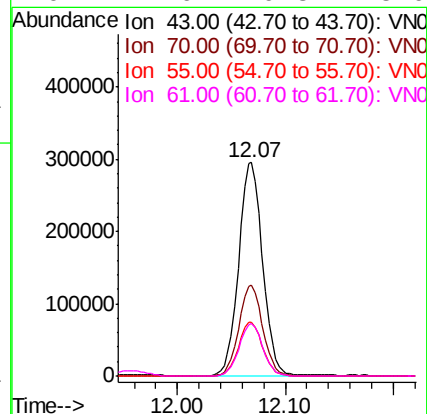
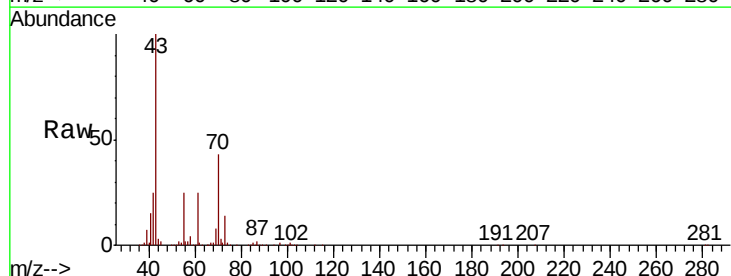
Ion Ratio Lower Upper

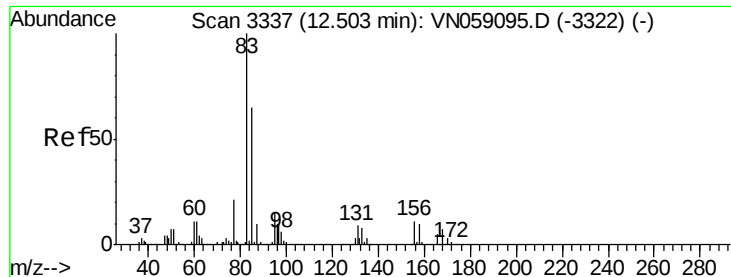
43 100

70 42.7 32.2 48.4

55 25.8 20.4 30.6

61 24.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.919 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

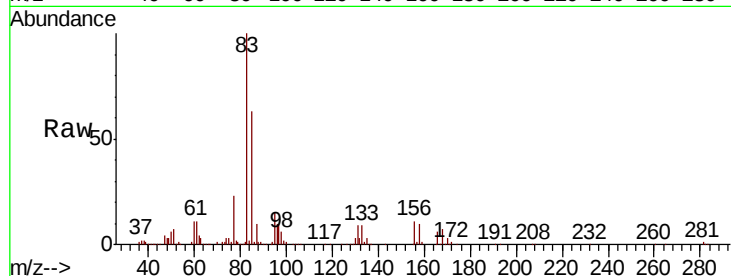
Tot Ion: 83 Resp: 356416

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

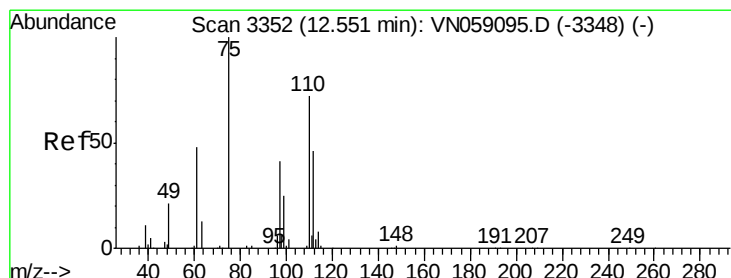
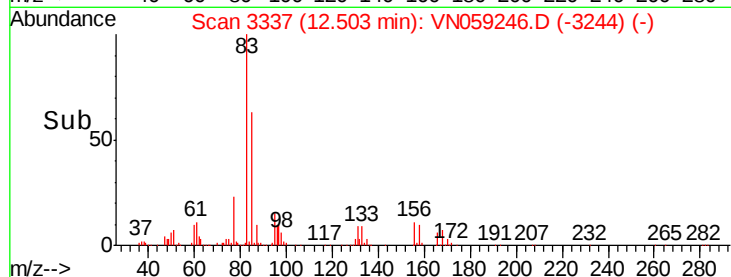
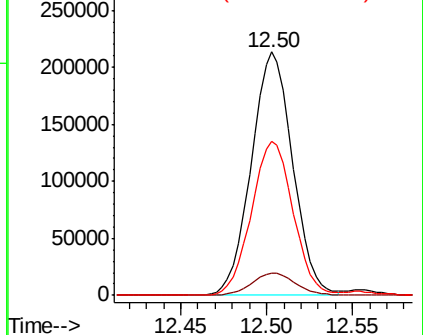
85 63.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059246.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059246.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059246.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 73.494 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059246.D

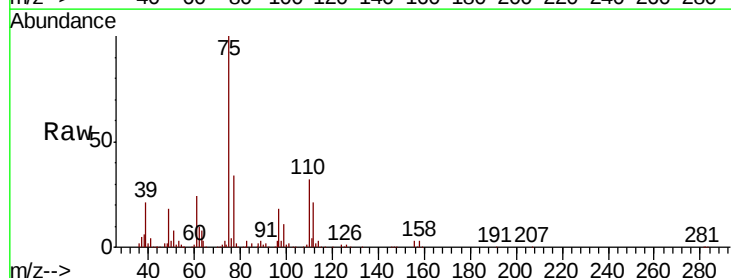
Acq: 14 Nov 2019 19:46

Tgt Ion: 75 Resp: 463695

Ion Ratio Lower Upper

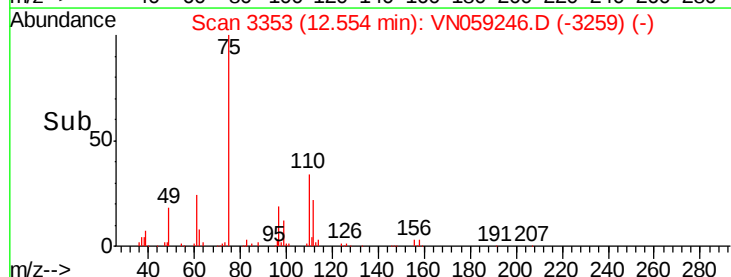
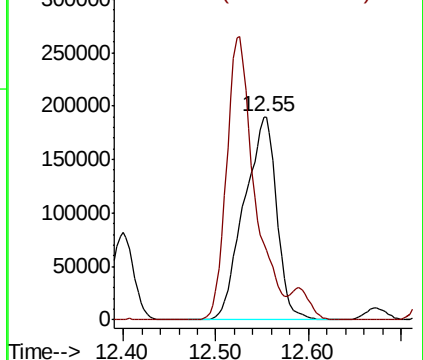
75 100

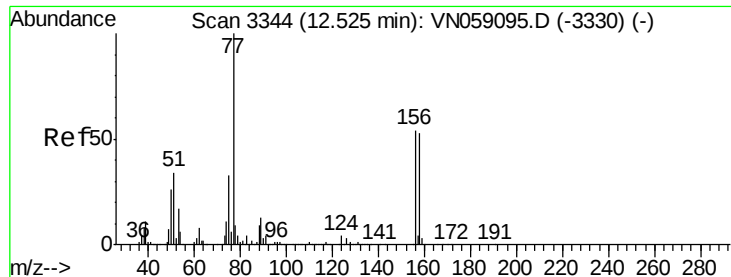
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059246.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059246.D (-3352) (-)





#77

Bromobenzene

Concen: 49.002 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

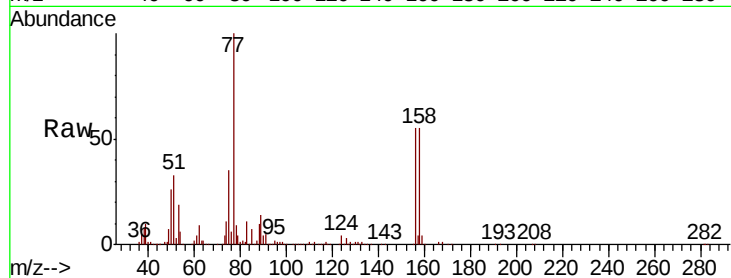
Tot Ion:156 Resp: 248175

Ion Ratio Lower Upper

156 100

77 224.9 112.8 338.3

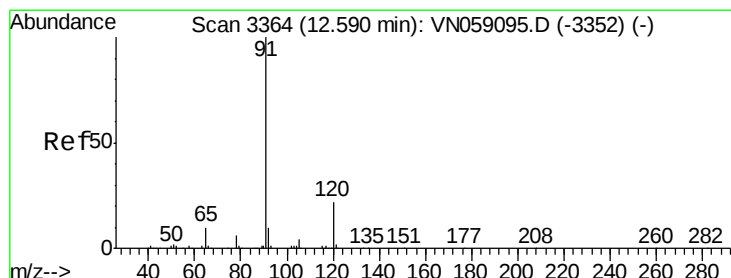
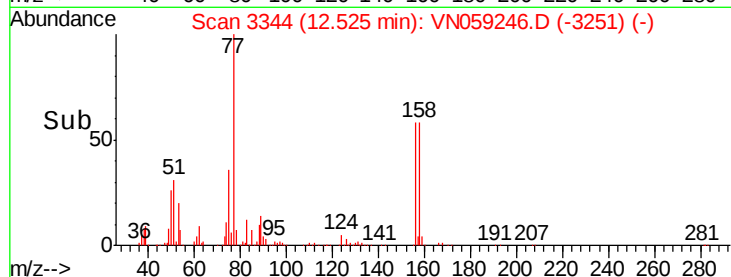
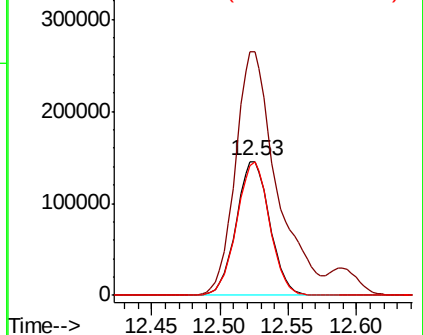
158 97.9 48.4 145.3



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: 51.976 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059246.D

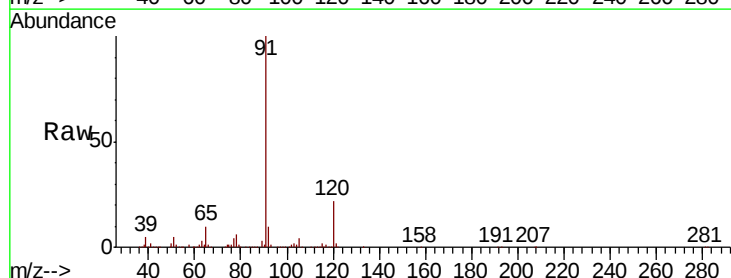
Acq: 14 Nov 2019 19:46

Tgt Ion: 91 Resp: 1199671

Ion Ratio Lower Upper

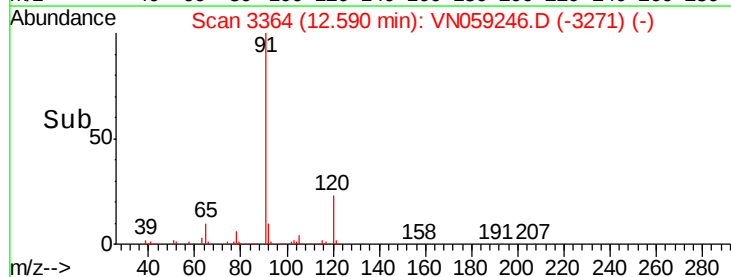
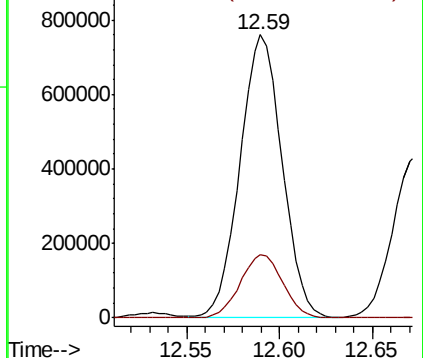
91 100

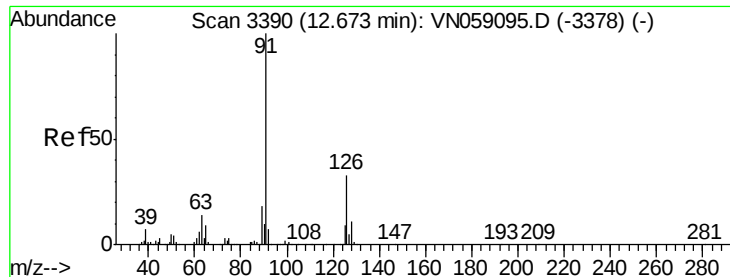
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.105 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

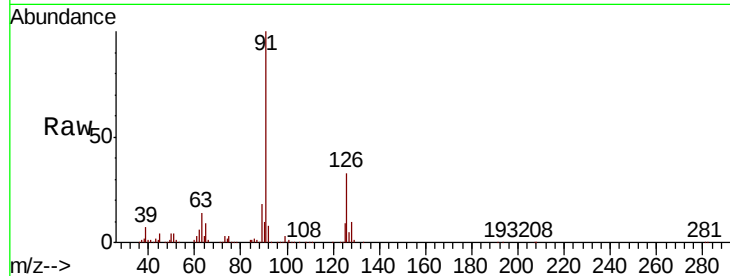
VSTDCCC050EC

Tot Ion: 91 Resp: 717424

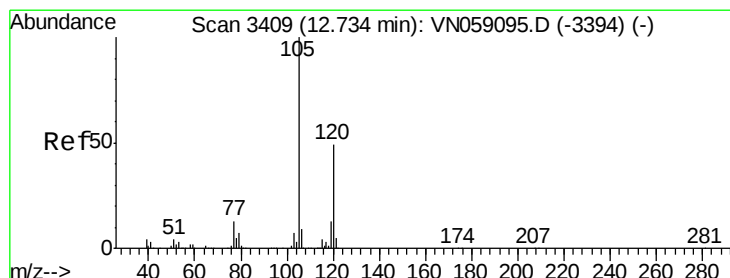
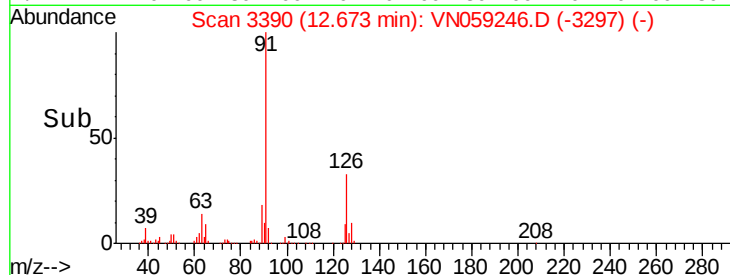
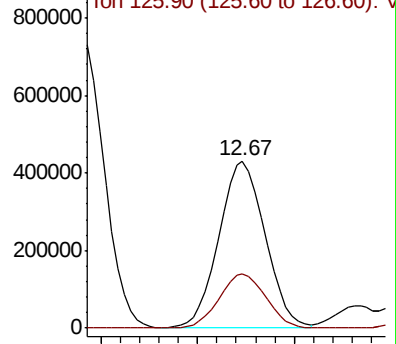
Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059246.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.108 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059246.D

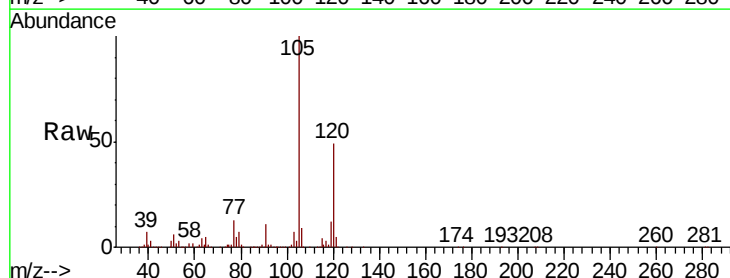
Acq: 14 Nov 2019 19:46

Tgt Ion: 105 Resp: 872982

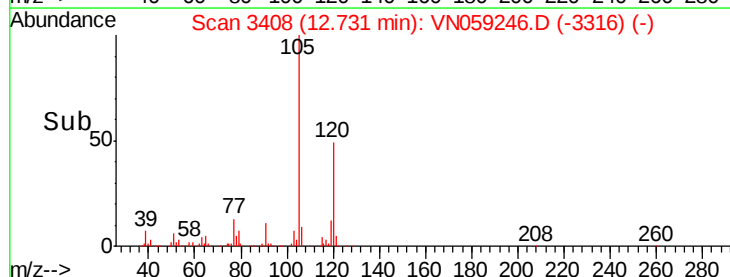
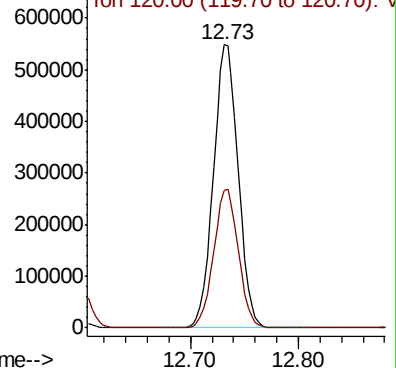
Ion Ratio Lower Upper

105 100

120 48.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059246.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.303 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

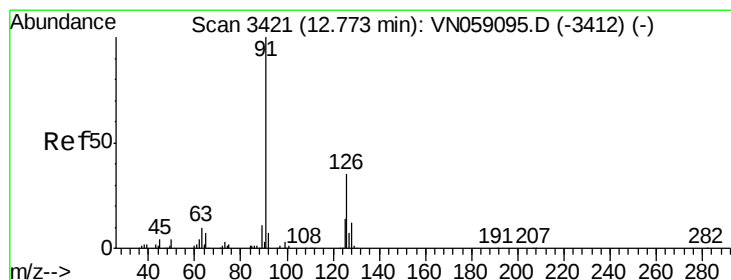
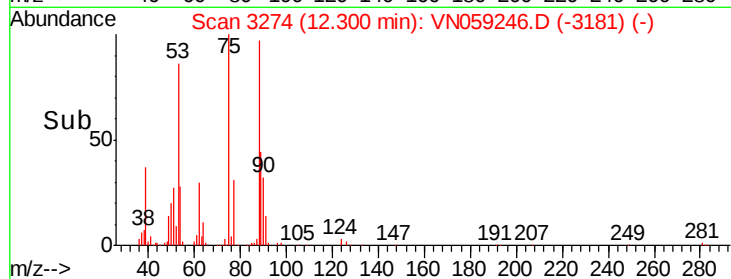
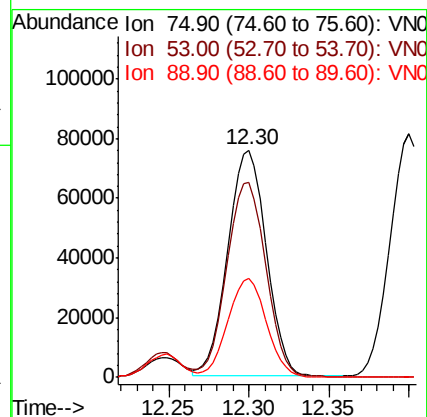
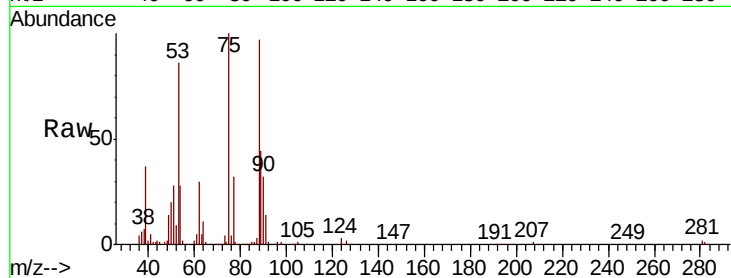
Tot Ion: 75 Resp: 124936

Ion Ratio Lower Upper

75 100

53 88.2 72.2 108.2

89 43.8 35.8 53.8



#82

4-Chlorotoluene

Concen: 50.562 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059246.D

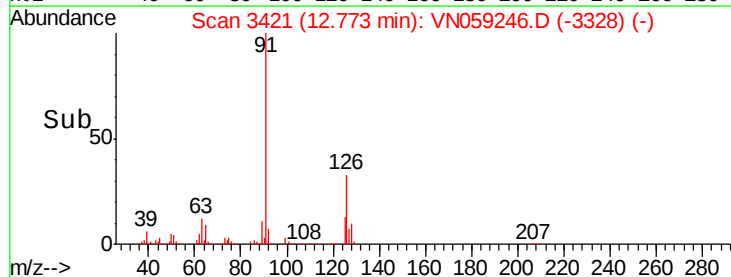
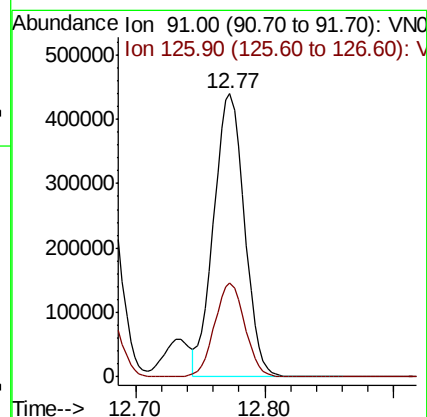
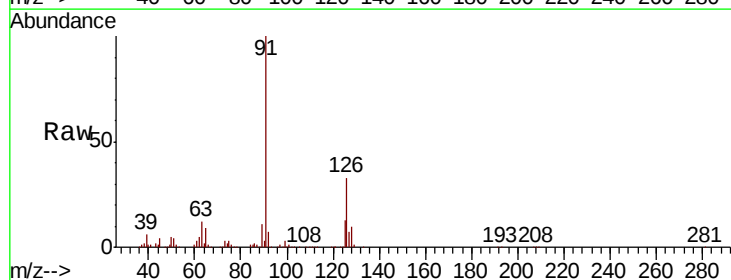
Acq: 14 Nov 2019 19:46

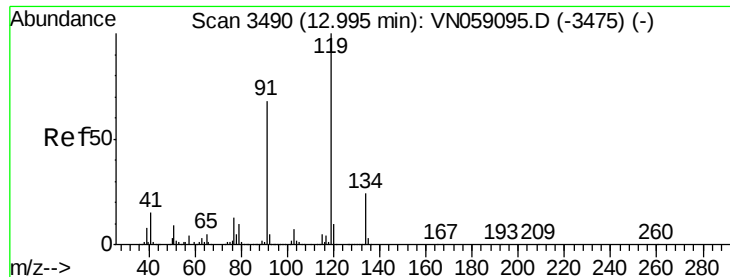
Tgt Ion: 91 Resp: 726127

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2





#83

tert-Butylbenzene

Concen: 50.791 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

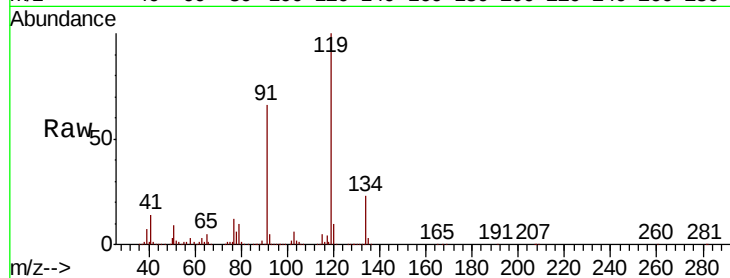
Tot Ion:119 Resp: 749216

Ion Ratio Lower Upper

119 100

91 65.5 33.2 99.6

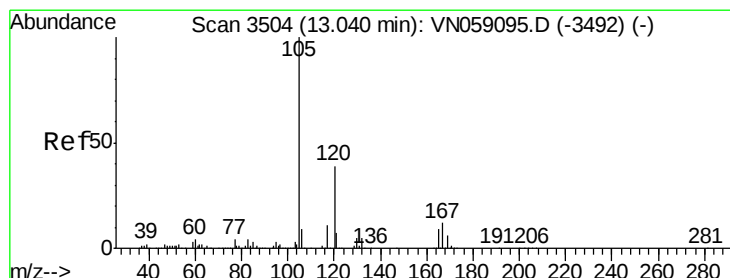
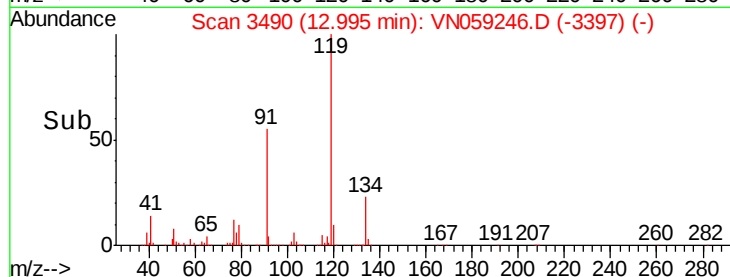
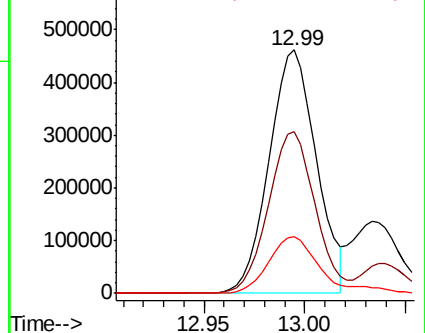
134 23.9 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.202 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059246.D

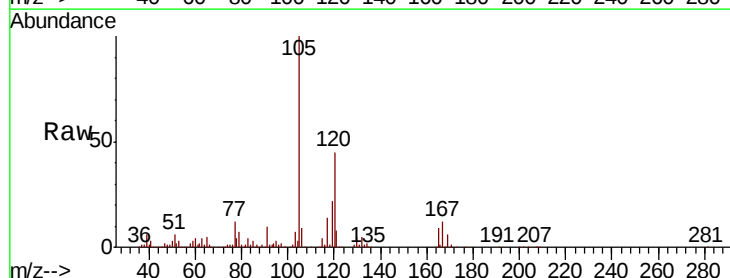
Acq: 14 Nov 2019 19:46

Tgt Ion:105 Resp: 879218

Ion Ratio Lower Upper

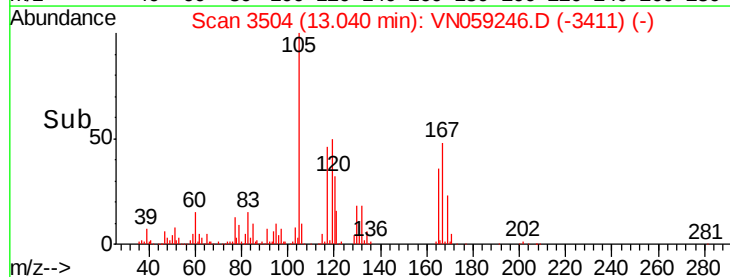
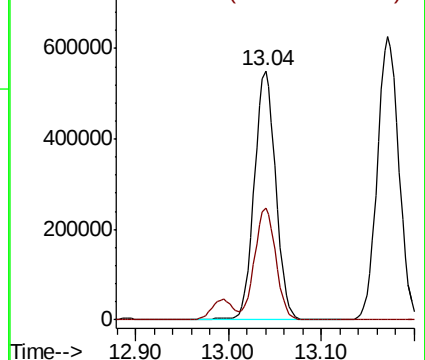
105 100

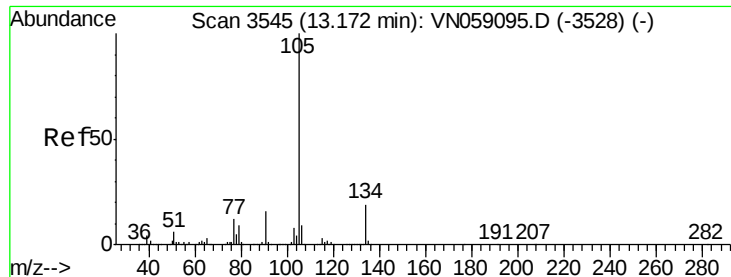
120 44.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.331 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

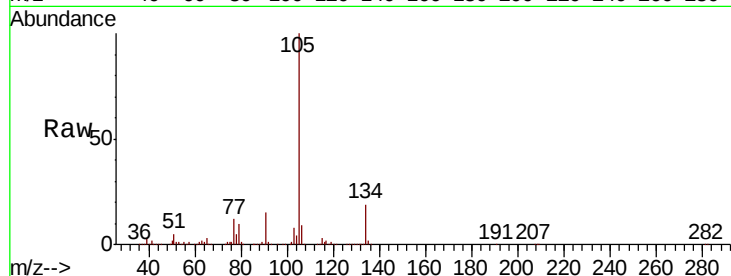
VSTDCCC050EC

Tot Ion:105 Resp: 1003941

Ion Ratio Lower Upper

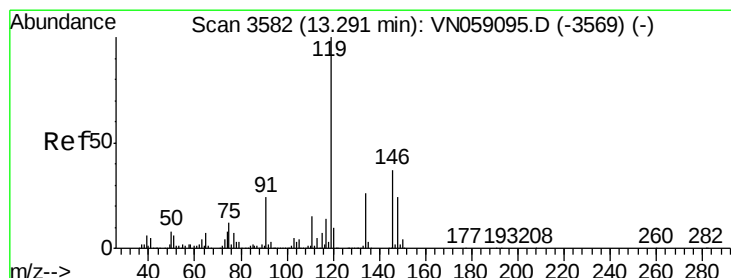
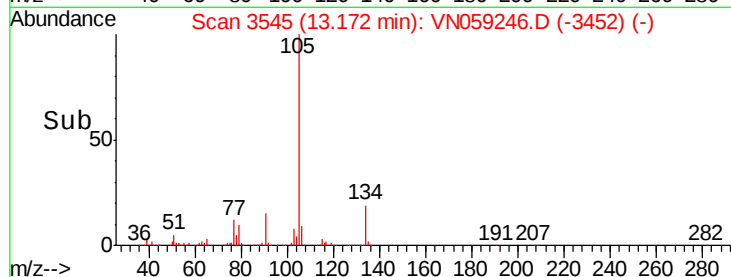
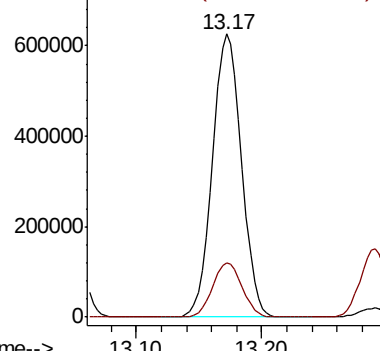
105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.245 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

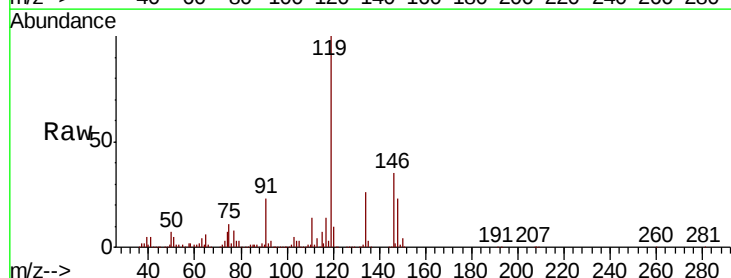
Tgt Ion:119 Resp: 901924

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

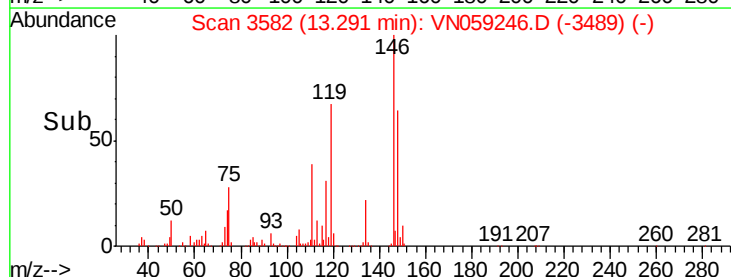
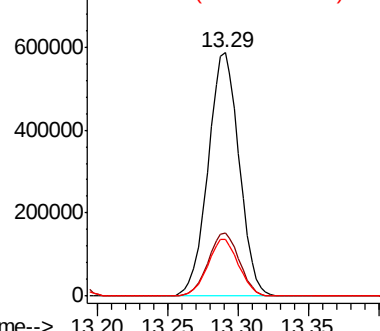
91 23.3 11.7 35.1

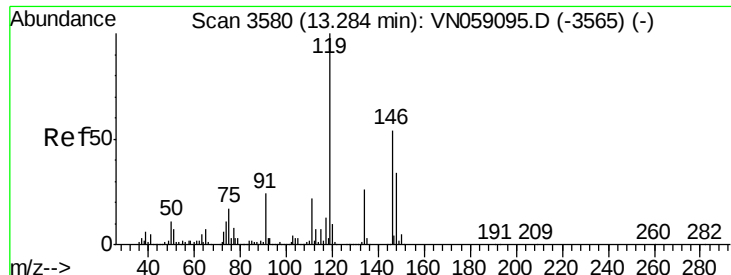


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.808 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

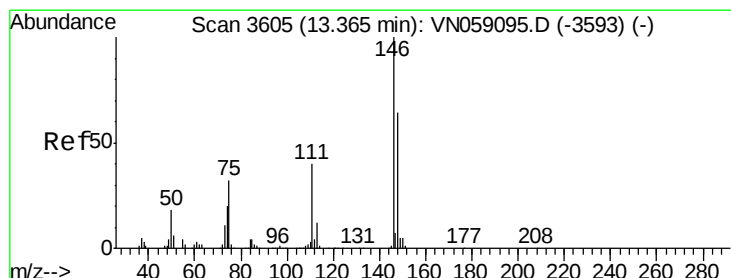
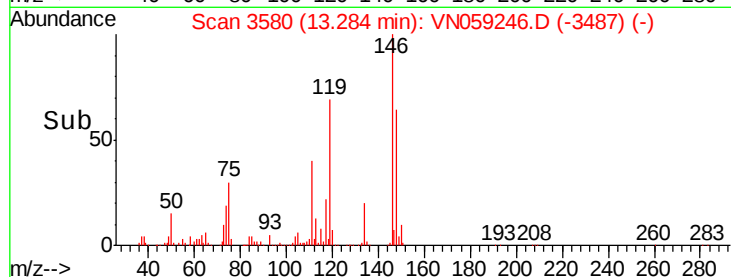
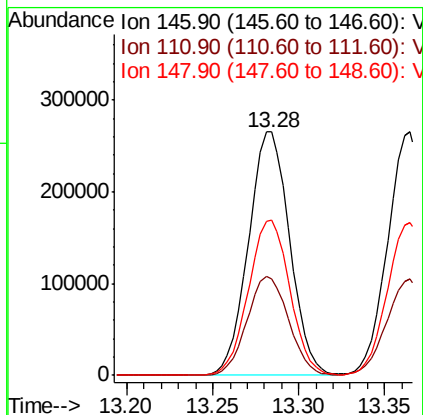
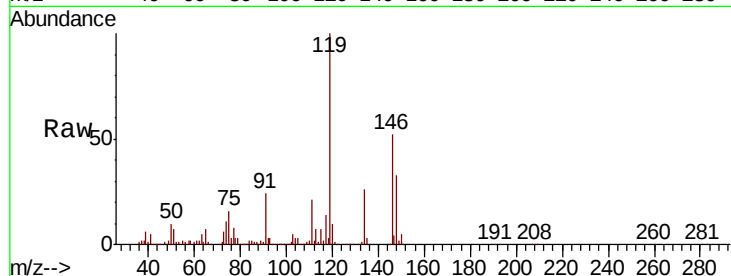
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146	Resp:	440639
Ion Ratio	Lower	Upper
146	100	
111	41.0	20.4 61.3
148	64.1	32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 50.096 ug/l

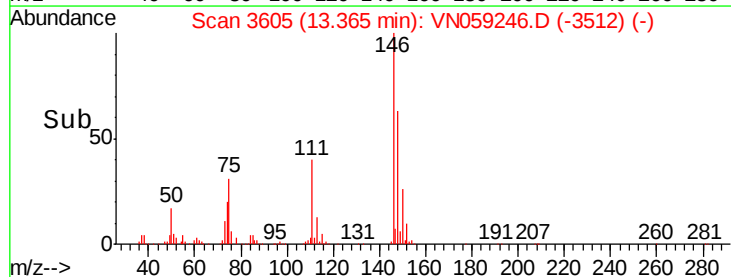
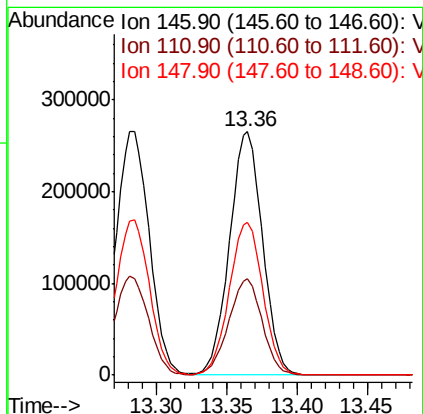
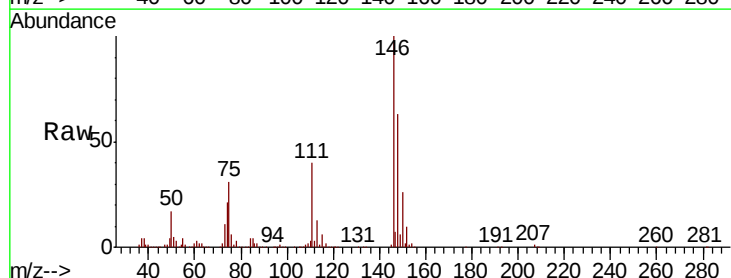
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:146	Resp:	434700
Ion Ratio	Lower	Upper
146	100	
111	40.0	20.3 60.9
148	64.1	31.9 95.7

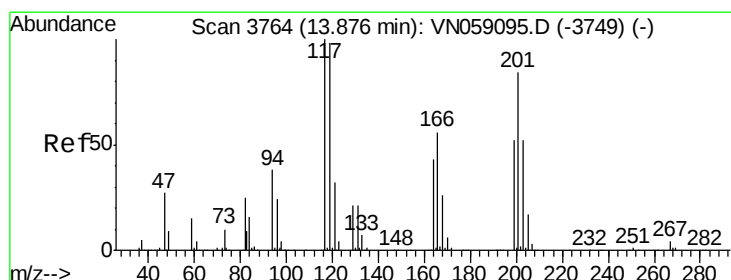
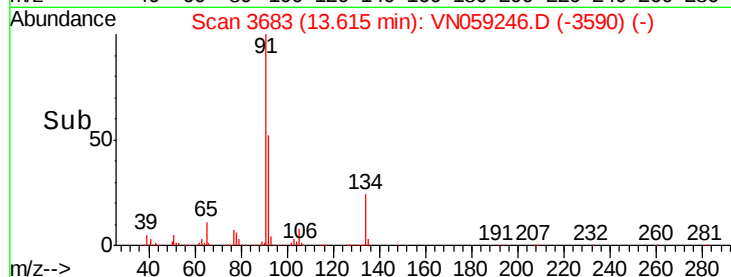
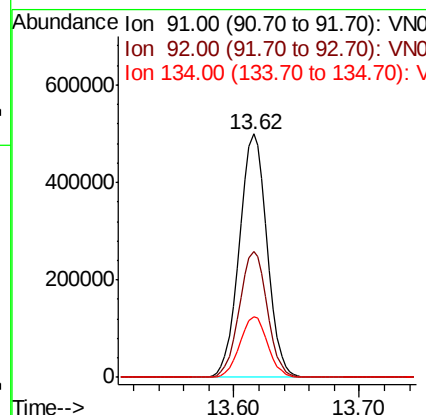
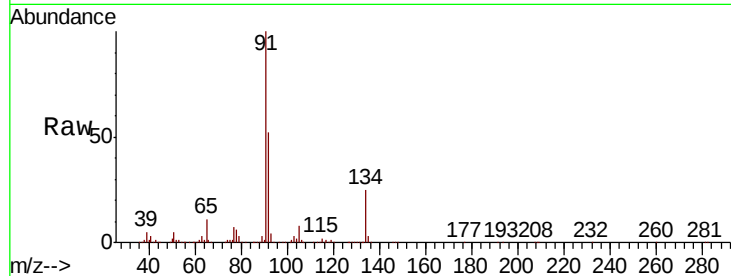




#89
n-Butylbenzene
Concen: 51.618 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

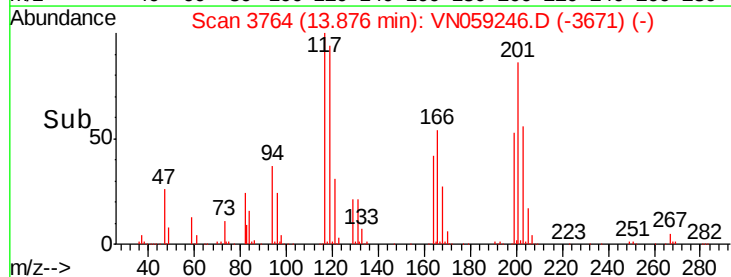
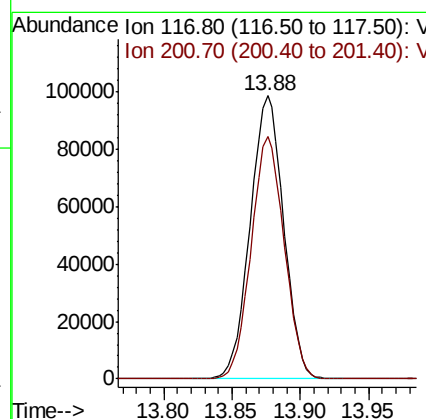
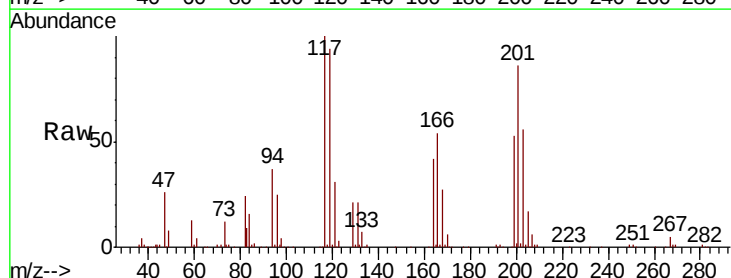
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

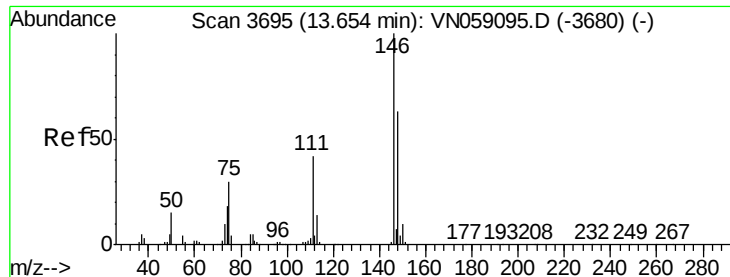
Tot Ion: 91 Resp: 765279
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.3
134 25.1 12.6 37.8



#90
Hexachloroethane
Concen: 49.433 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 117 Resp: 168141
Ion Ratio Lower Upper
117 100
201 84.5 41.8 125.3

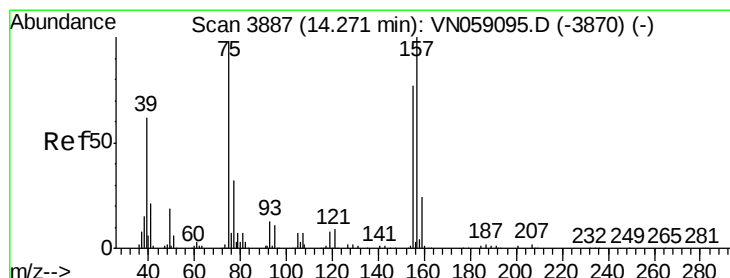
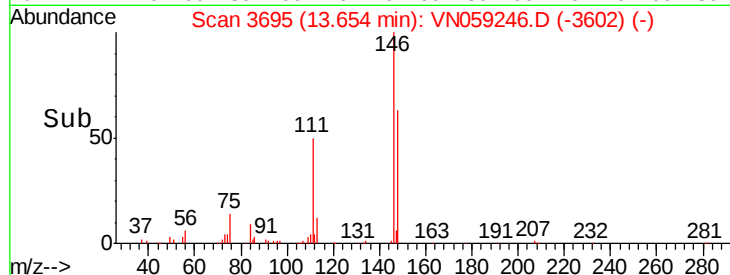
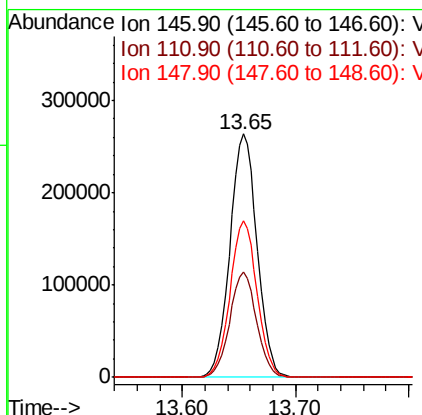
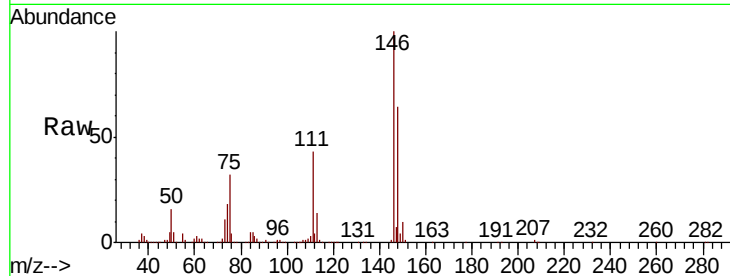




#91
 1,2-Dichlorobenzene
 Concen: 51.573 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

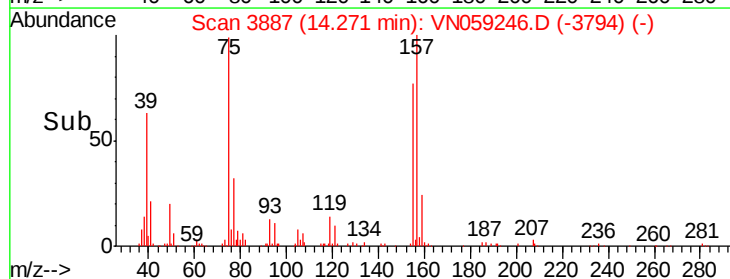
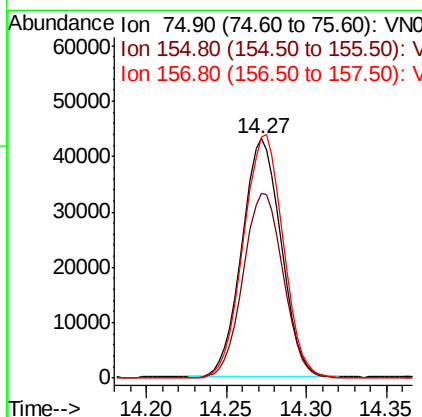
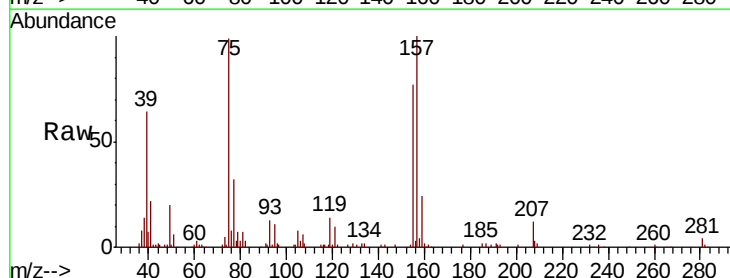
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	63.9	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.372 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.2	120.6
157	104.4	51.8	155.5

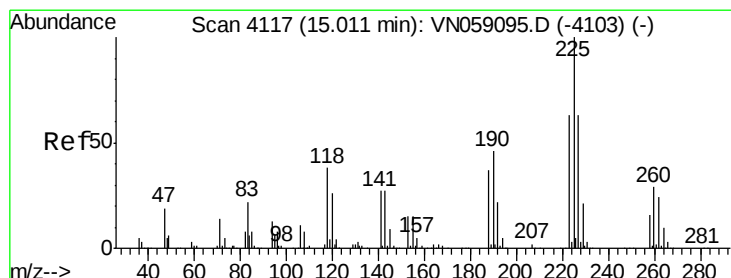
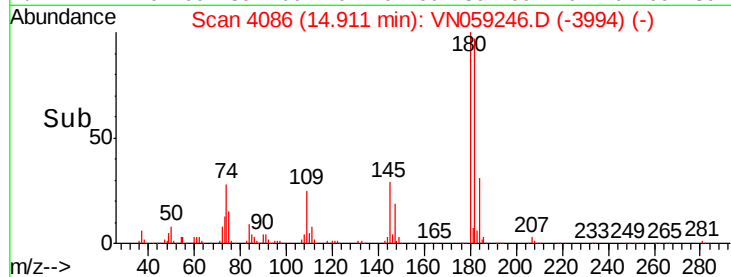
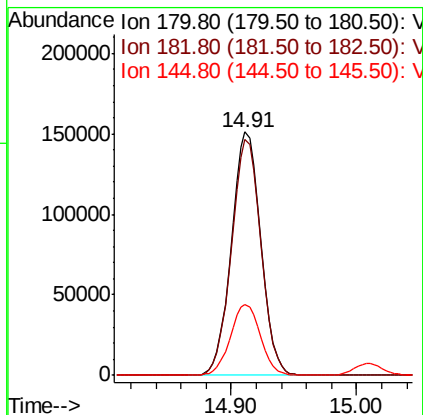
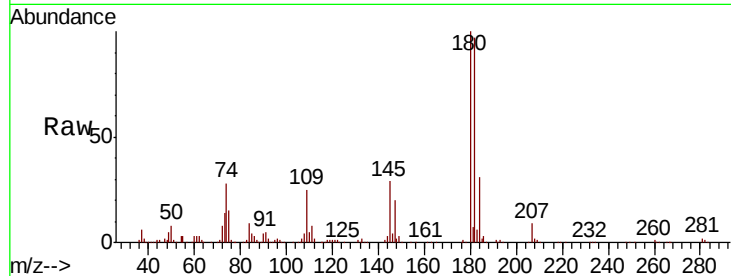




#93
 1,2,4-Trichlorobenzene
 Concen: 47.571 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

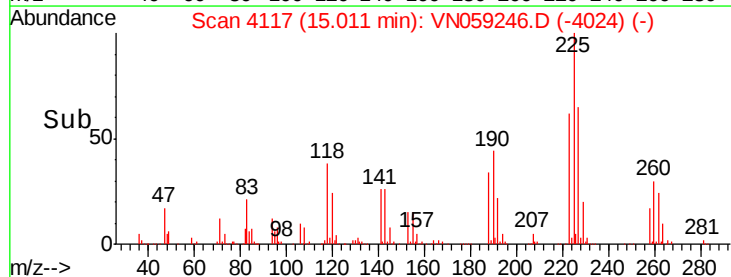
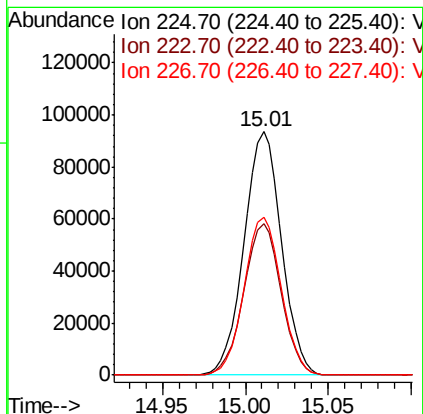
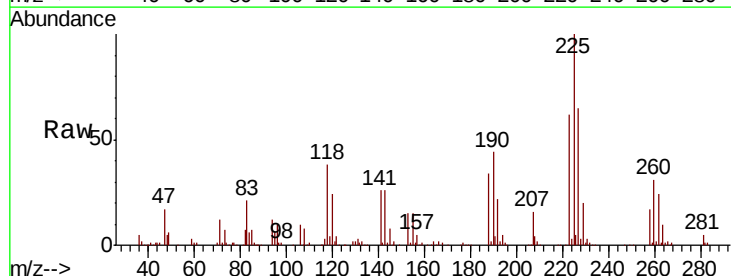
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

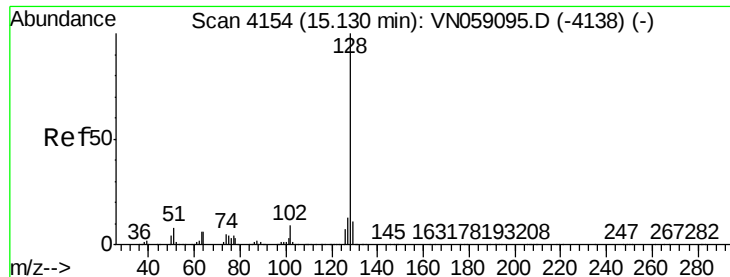
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.1	144.3
145	29.8	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 50.046 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.9
227	64.2	31.5	94.5





#95

Naphthalene

Concen: 47.443 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

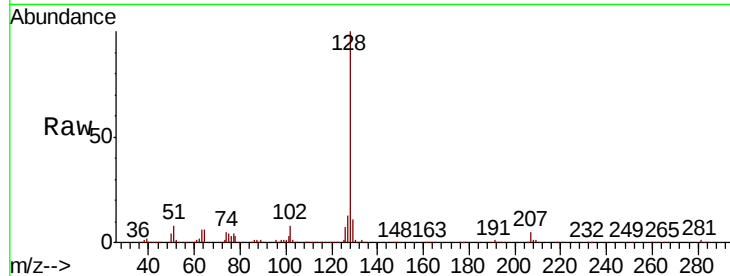
Tot Ion:128 Resp: 678927

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

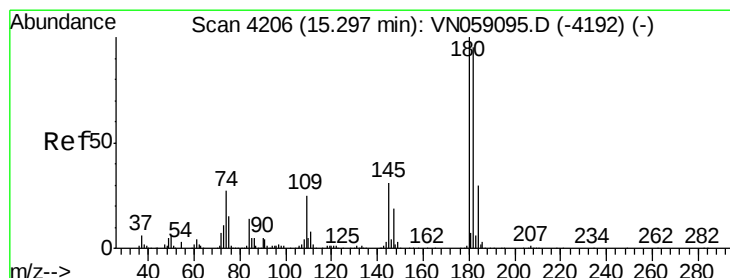
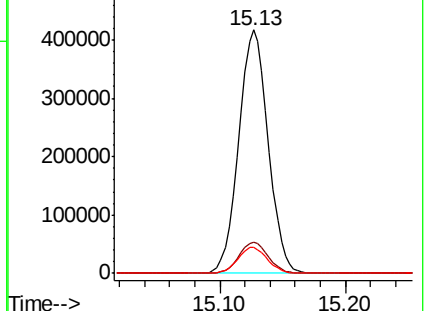
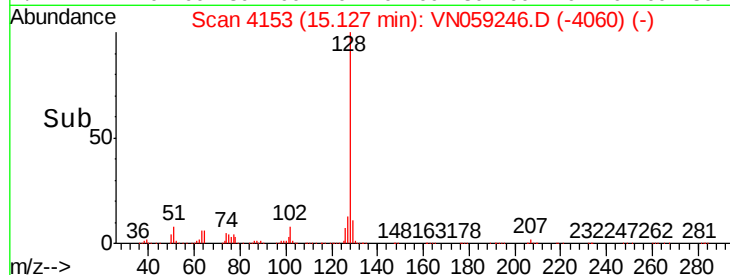
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.602 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

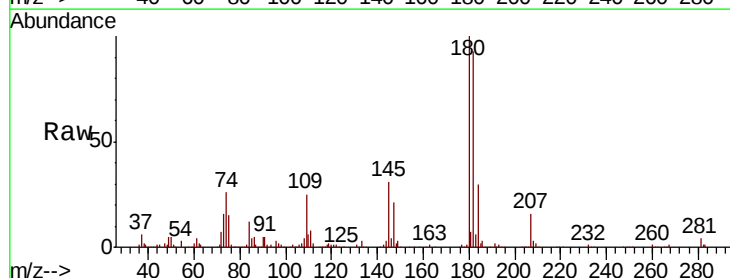
Tgt Ion:180 Resp: 246718

Ion Ratio Lower Upper

180 100

182 93.0 47.3 141.8

145 31.6 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

