

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059314.D
 Acq On : 19 Nov 2019 18:42
 Operator : JC/SP
 Sample : K5900-10DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:52:09 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	455628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	714445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	631778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292914	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	262417	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
35) Dibromofluoromethane	7.57	113	210268	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	10.08	98	871214	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.40	95	312243	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	2980	1.013	ug/l	74
11) Tert butyl alcohol	4.75	59	373794	350.191	ug/l	95
13) Acrolein	3.59	56	147	0.267	ug/l #	14
15) Acrylonitrile	5.02	53	4039	1.520	ug/l #	23
16) Acetone	3.79	43	884217	303.589	ug/l	99
17) Carbon Disulfide	4.03	76	3722	0.282	ug/l #	92
18) Methyl Acetate	4.30	43	126914	18.358	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	340569	23.274	ug/l	99
20) Methylene Chloride	4.52	84	2773	0.546	ug/l #	87
22) Diisopropyl ether	5.92	45	845673	51.281	ug/l #	1
23) Vinyl Acetate	5.92	43	55043	4.307	ug/l #	79
24) 1,1-Dichloroethane	5.92	63	3347	0.363	ug/l #	85
25) 2-Butanone	6.81	43	467230	121.720	ug/l	100
26) 2,2-Dichloropropane	6.80	77	1636	0.203	ug/l #	53
29) Tetrahydrofuran	7.19	42	24457	10.027	ug/l	96
30) Chloroform	7.35	83	3234	0.366	ug/l	94
31) Cyclohexane	7.64	56	14379	1.649	ug/l #	15
36) 1,1-Dichloropropene	7.64	75	33932	5.081	ug/l #	50
37) Ethyl Acetate	6.81	43	467230	62.892	ug/l #	69
38) Carbon Tetrachloride	7.65	117	43434	6.535	ug/l #	16
39) Methylcyclohexane	9.07	83	5982	0.772	ug/l	91
40) Benzene	8.02	78	1281799	63.740	ug/l	99
41) Methacrylonitrile	7.19	41	14291	4.424	ug/l #	100
42) 1,2-Dichloroethane	8.02	62	9978	1.447	ug/l	84
43) Isopropyl Acetate	7.99	43	1638667	138.357	ug/l #	55
48) Methyl methacrylate	9.15	41	173092	32.673	ug/l #	40
49) 1,4-Dioxane	9.18	88	37912	402.686	ug/l #	21
51) 4-Methyl-2-Pentanone	9.98	43	182355	27.211	ug/l	97
52) Toluene	10.15	92	720858	59.806	ug/l	98
53) t-1,3-Dichloropropene	10.45	75	4754	0.605	ug/l #	80
56) Ethyl methacrylate	10.35	69	11590	3.244	ug/l #	74
57) 1,3-Dichloropropane	10.76	76	1802	0.215	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.80	63	1113	0.410	ug/l #	50
59) 2-Hexanone	10.75	43	63010	12.250	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

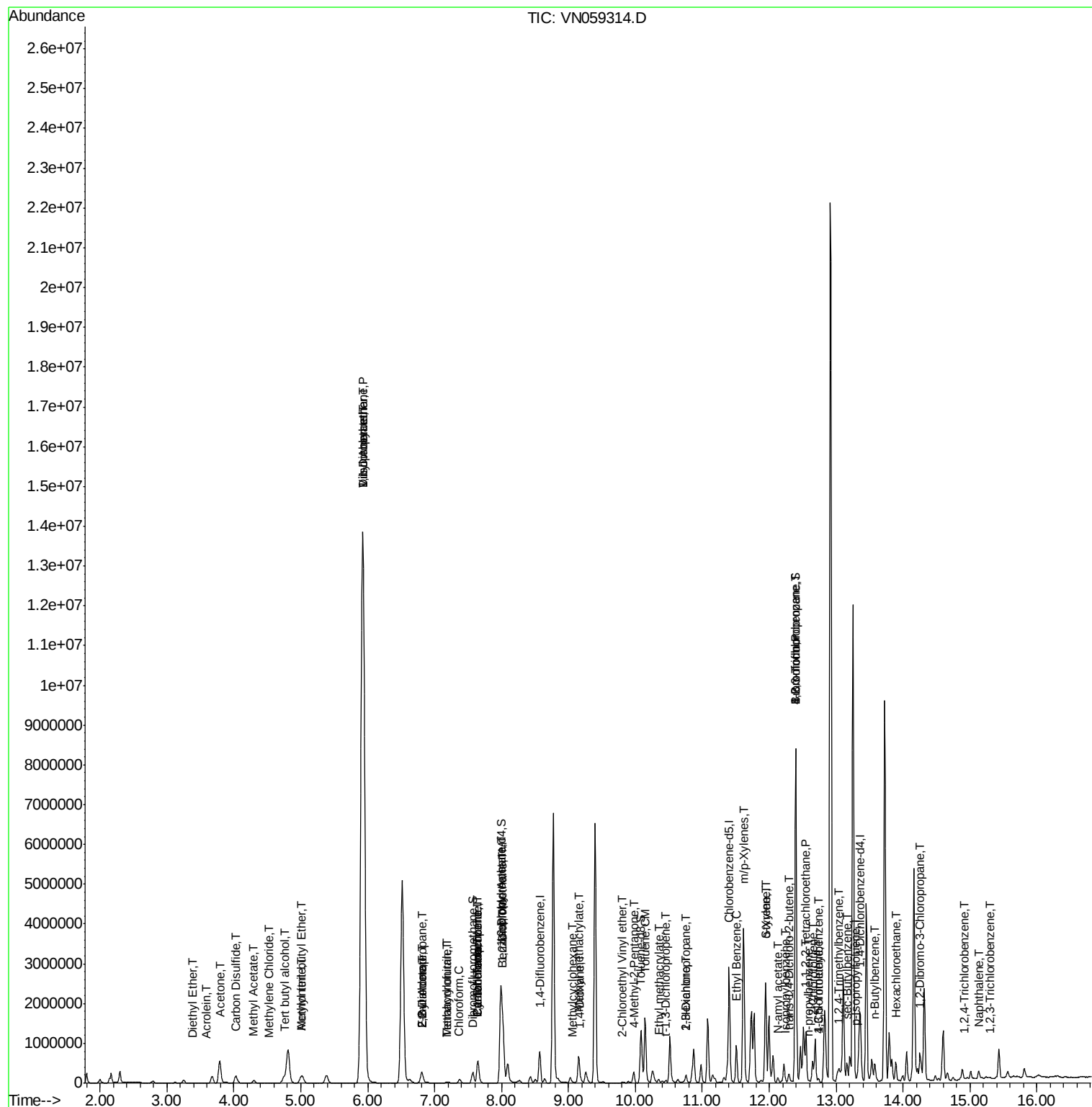
67) Ethyl Benzene	11.51	91	679880	31.114	ug/l	100
68) m/p-Xylenes	11.62	106	1267527	154.857	ug/l	96
69) o-Xylene	11.95	106	595459	75.278	ug/l	99
70) Styrene	11.95	104	28937	2.326	ug/l #	1
71) Bromoform	12.40	173	1647	0.458	ug/l #	1
73) Isopropylbenzene	12.25	105	20197	0.948	ug/l	100
74) N-amyl acetate	12.13	43	20914	2.316	ug/l #	21
75) 1,1,2,2-Tetrachloroethane	12.55	83	93664	12.909	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	151691	22.747	ug/l #	100
78) n-propylbenzene	12.59	91	15497	0.635	ug/l	87
79) 2-Chlorotoluene	12.65	91	17453	1.153	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	50413	2.792	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	12429	4.923	ug/l #	46
82) 4-Chlorotoluene	12.73	91	4016	0.265	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.04	105	199120	11.400	ug/l	94
85) sec-Butylbenzene	13.17	105	7254	0.358	ug/l	79
86) p-Isopropyltoluene	13.29	119	7624	0.426	ug/l #	77
89) n-Butylbenzene	13.59	91	14353	0.916	ug/l #	1
90) Hexachloroethane	13.89	117	23147	6.438	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2723	1.906	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	1388	3.285	ug/l #	74
95) Naphthalene	15.13	128	147950	12.198	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1807	0.358	ug/l #	57

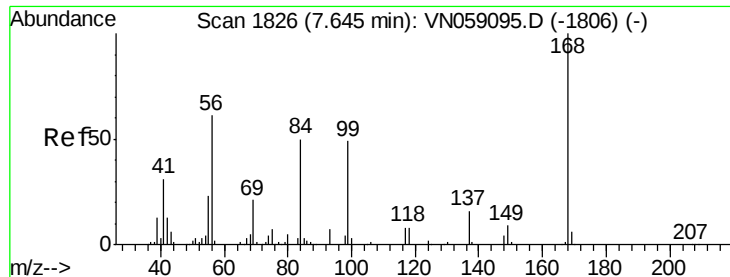
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

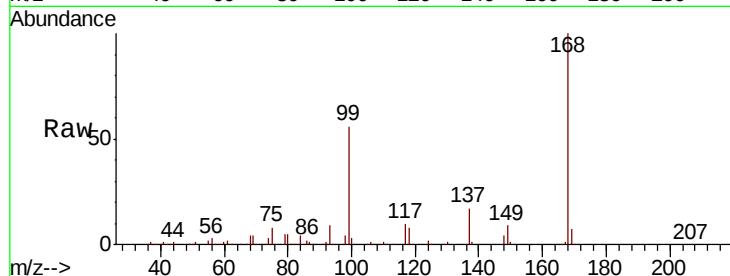
ClientSampled :

Tot Ion:168 Resp: 455628

Ion Ratio Lower Upper

168 100

99 55.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.64

200000

150000

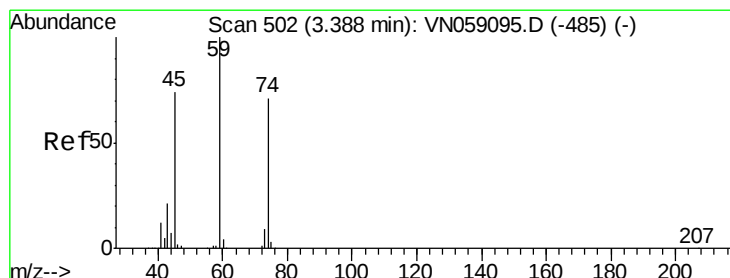
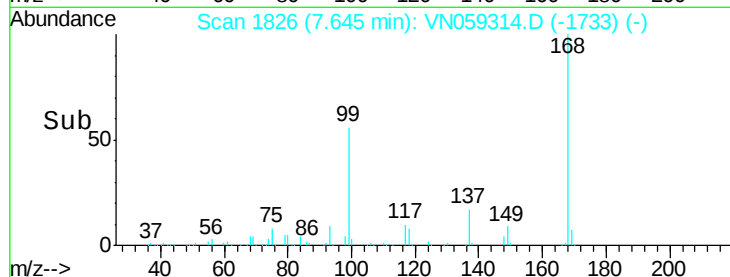
100000

50000

0

7.60 7.70

Time-->



#8

Diethyl Ether

Concen: 1.013 ug/l

RT: 3.39 min Scan# 504

Delta R.T. 0.01 min

Lab File: VN059314.D

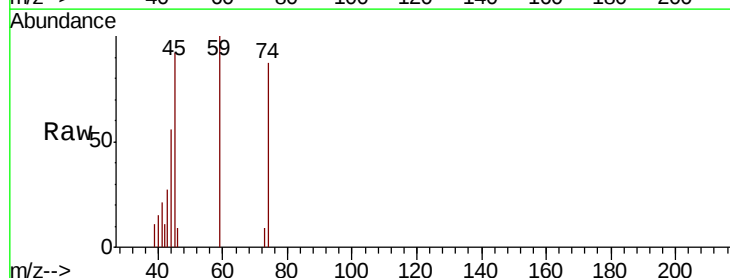
Acq: 19 Nov 2019 18:42

Tgt Ion: 74 Resp: 2980

Ion Ratio Lower Upper

74 100

45 129.6 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VN059095.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN059095.D (-485) (-)

3.39

2000

1500

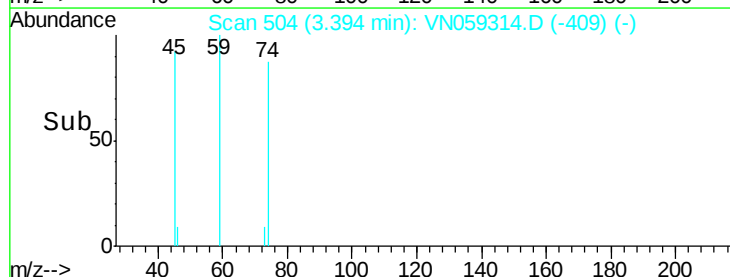
1000

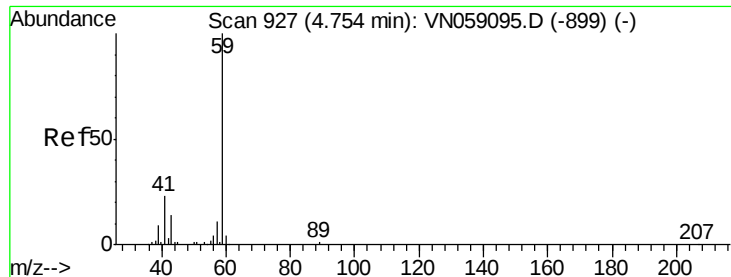
500

0

3.35 3.40

Time-->

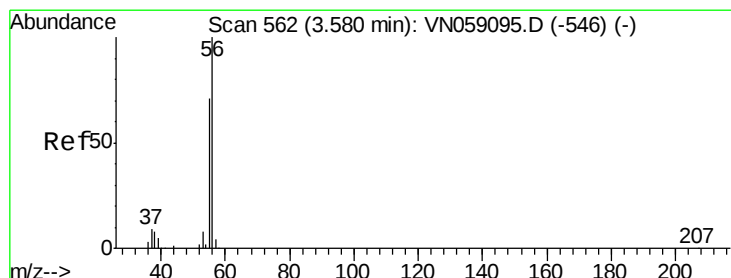
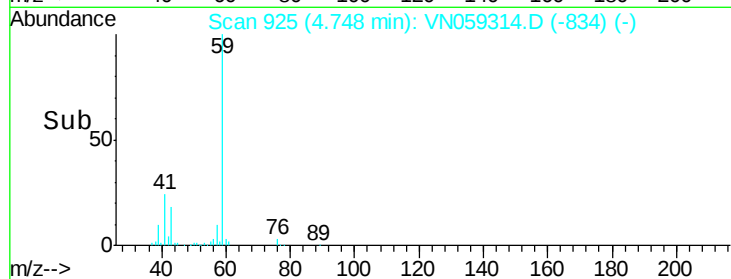
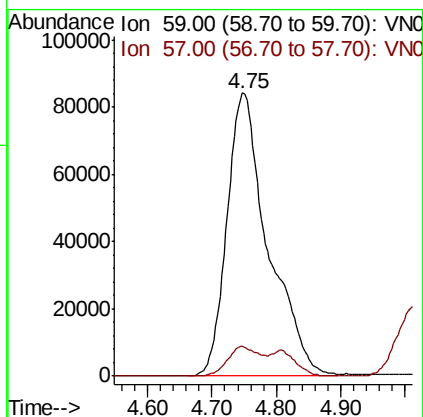
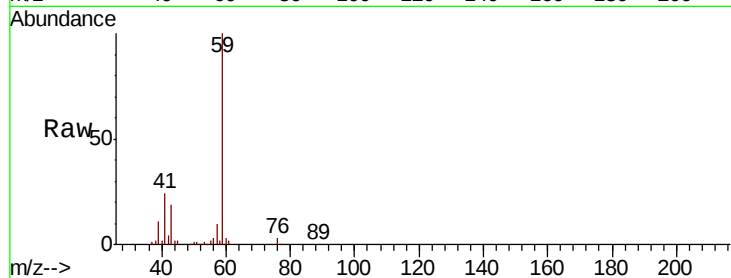




#11
Tert butyl alcohol
Concen: 350.191 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

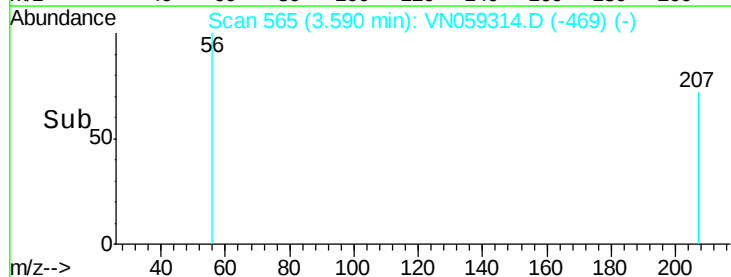
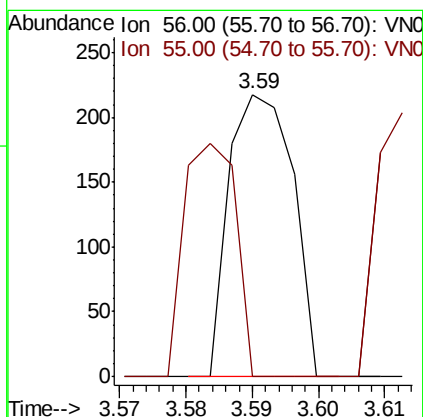
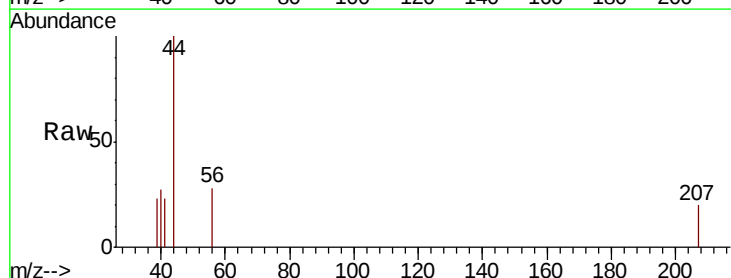
Instrument :
MSVOA_N
ClientSampleId :

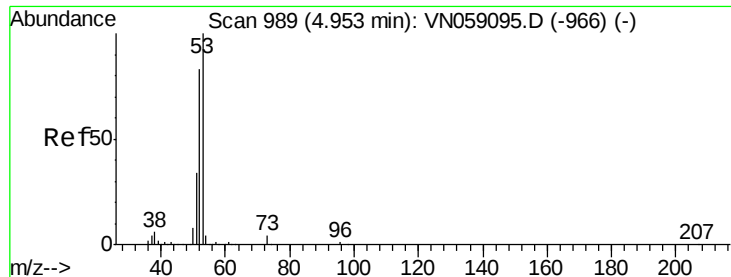
Tot Ion: 59 Resp: 373794
Ion Ratio Lower Upper
59 100
57 8.4 8.3 12.5



#13
Acrolein
Concen: 0.267 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.01 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#





#15

Acrylonitrile

Concen: 1.520 ug/l

RT: 5.02 min Scan# 1010

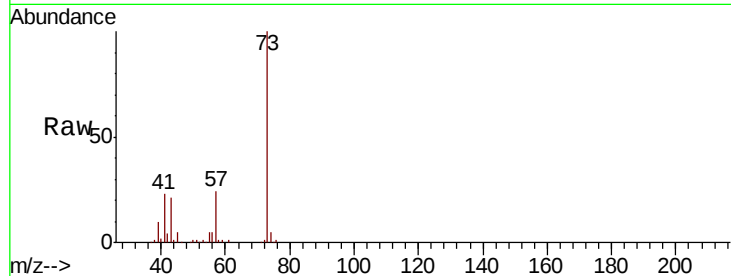
Delta R.T. 0.07 min

Lab File: VN059314.D

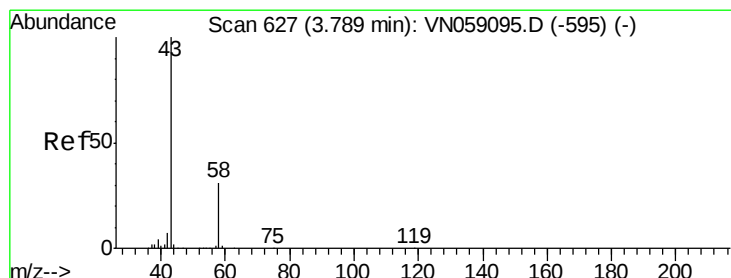
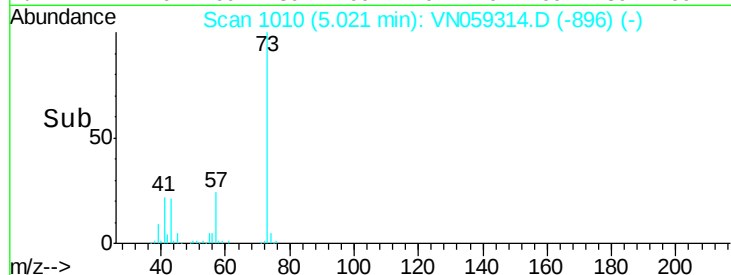
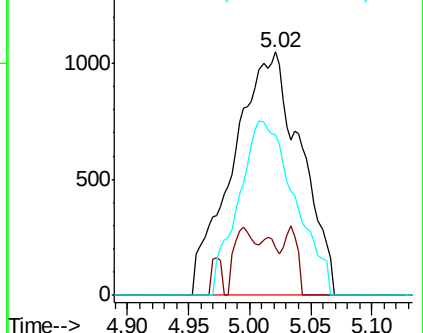
Acq: 19 Nov 2019 18:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	4039
Ion	Ratio	Lower	Upper
53	100		
52	5.8	65.0	97.6#
51	0.0	28.0	42.0#



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



#16

Acetone

Concen: 303.589 ug/l

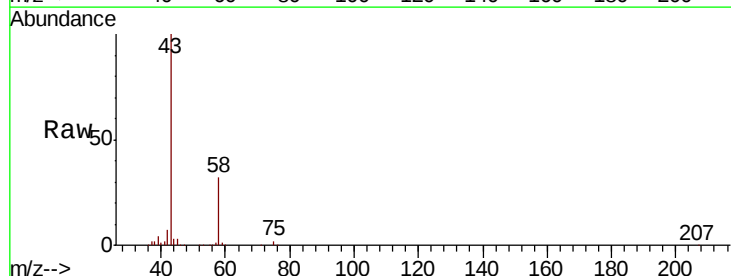
RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

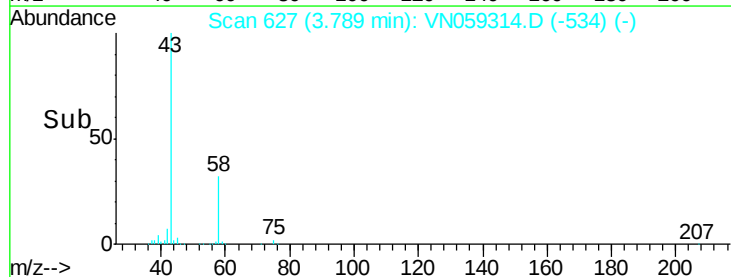
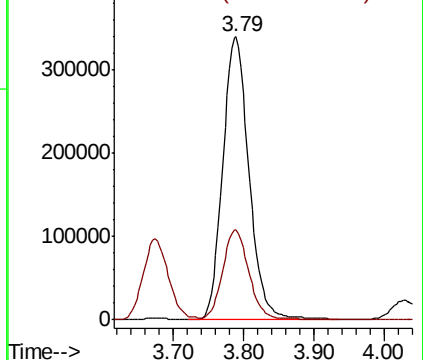
Lab File: VN059314.D

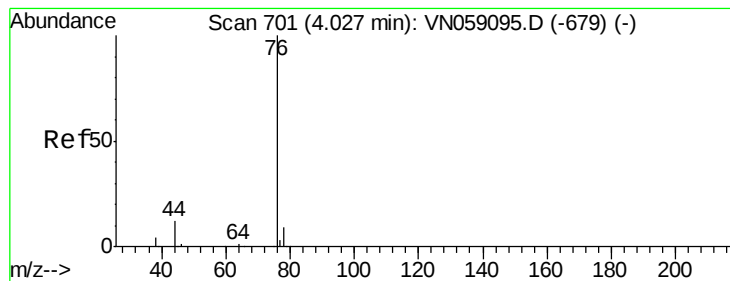
Acq: 19 Nov 2019 18:42

Tgt Ion:	43	Resp:	884217
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.9	37.3



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





#17

Carbon Disulfide

Concen: 0.282 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

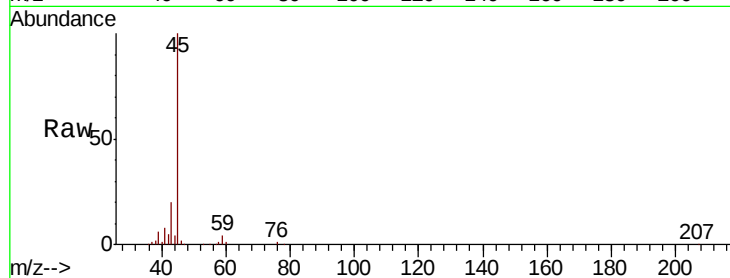
ClientSampleId :

Tot Ion: 76 Resp: 3722

Ion Ratio Lower Upper

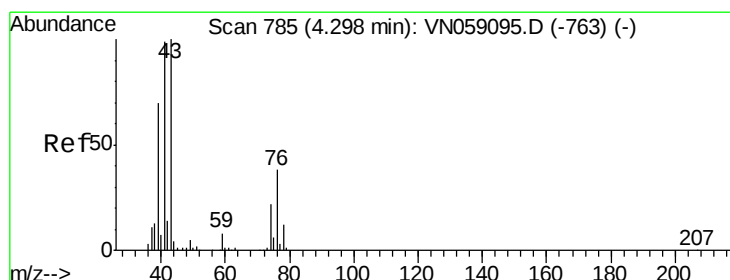
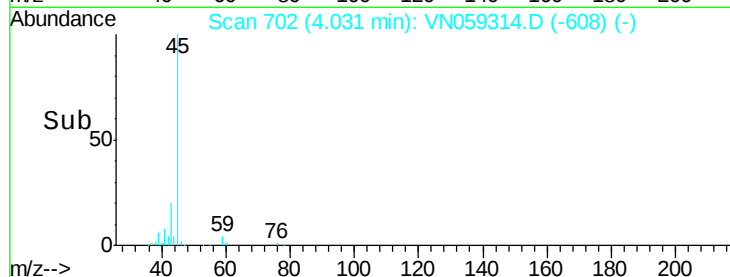
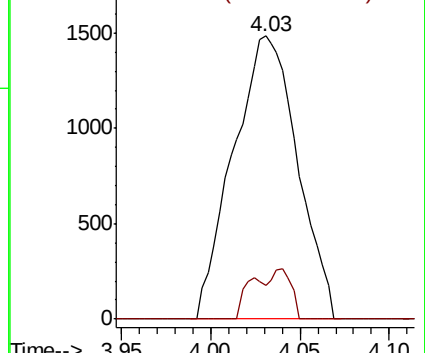
76 100

78 12.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.358 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059314.D

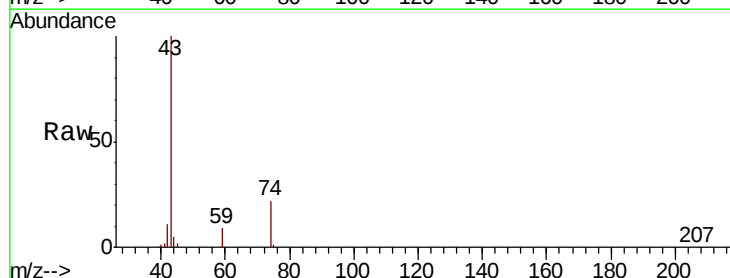
Acq: 19 Nov 2019 18:42

Tgt Ion: 43 Resp: 126914

Ion Ratio Lower Upper

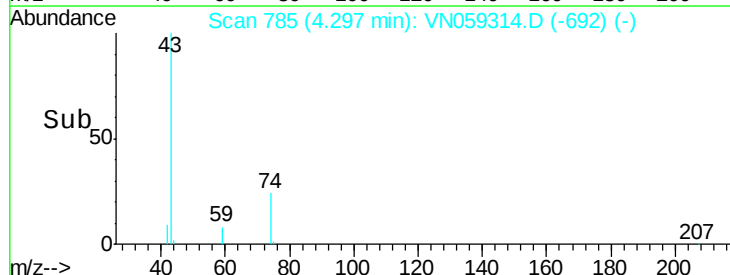
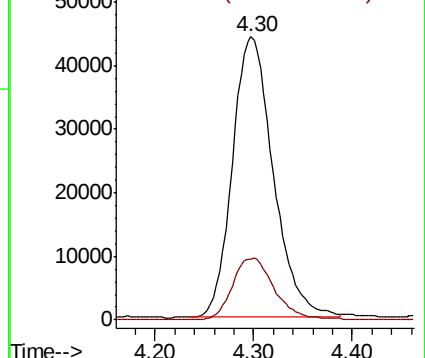
43 100

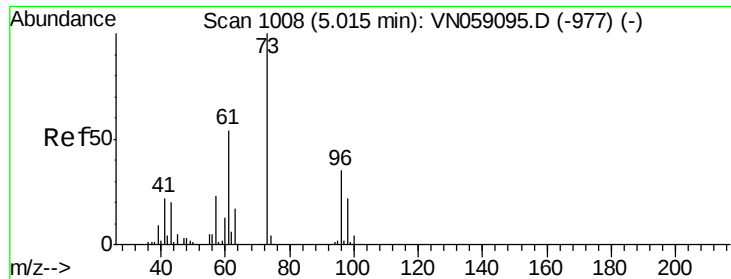
74 22.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

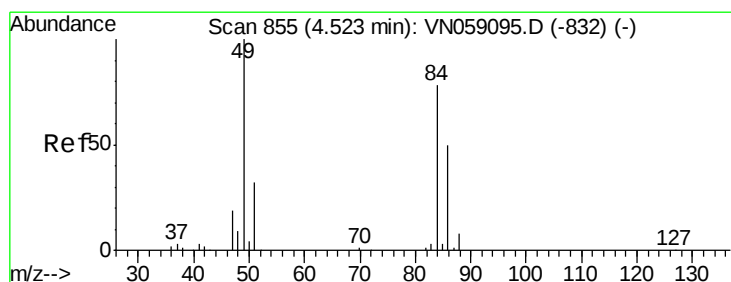
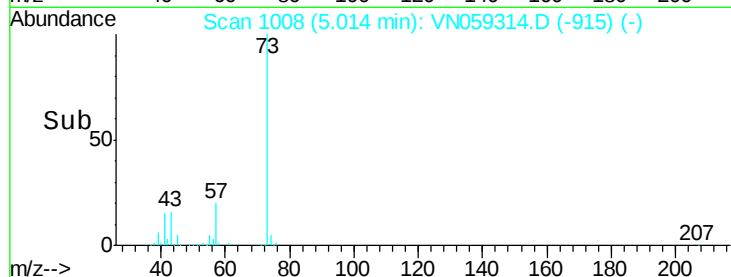
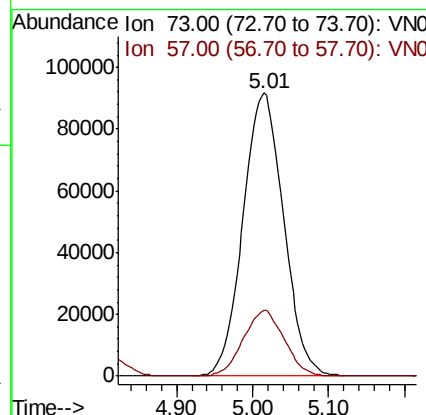
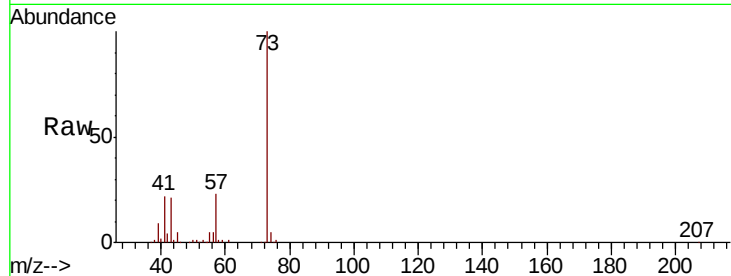




#19
Methyl tert-butyl Ether
Concen: 23.274 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

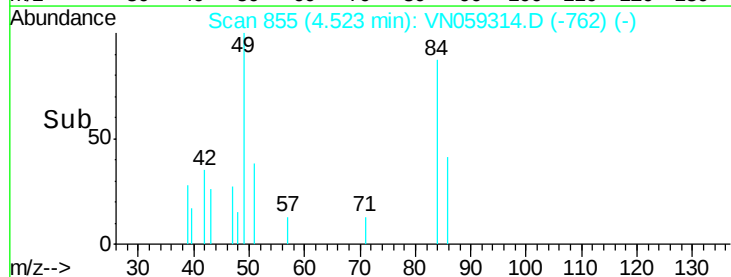
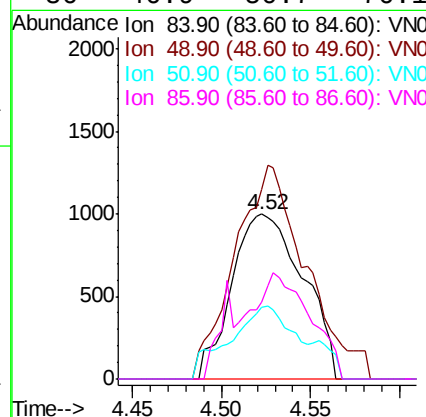
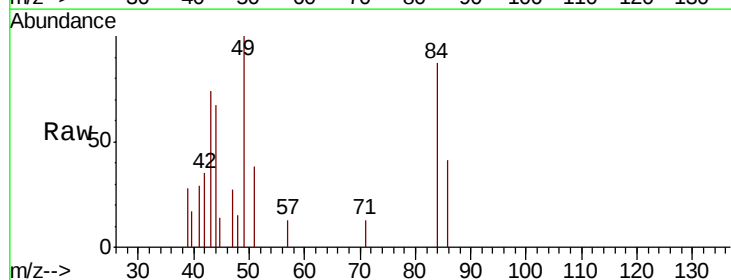
Instrument :
MSVOA_N
ClientSampled :

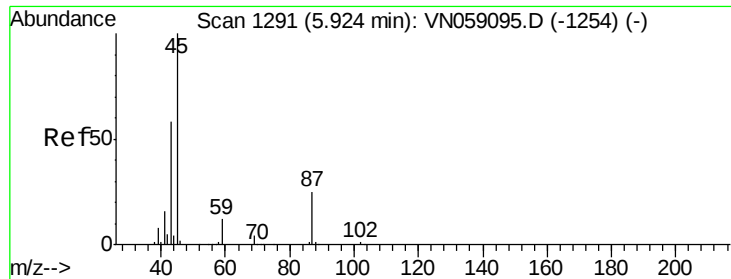
Tot Ion: 73 Resp: 340569
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6



#20
Methylene Chloride
Concen: 0.546 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 84 Resp: 2773
Ion Ratio Lower Upper
84 100
49 115.0 102.0 153.0
51 43.3 32.2 48.2
86 46.9 50.7 76.1#

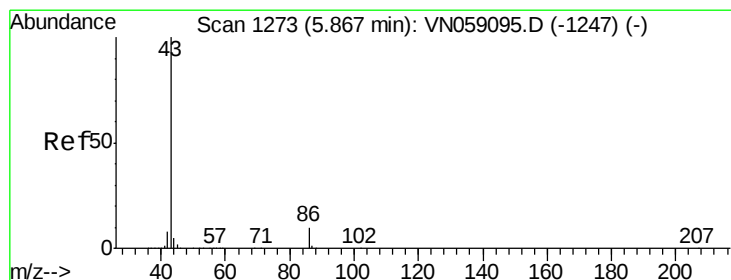
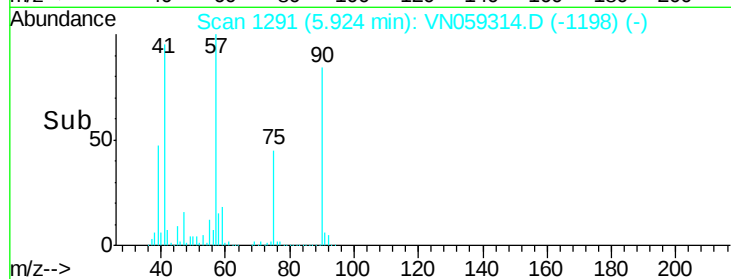
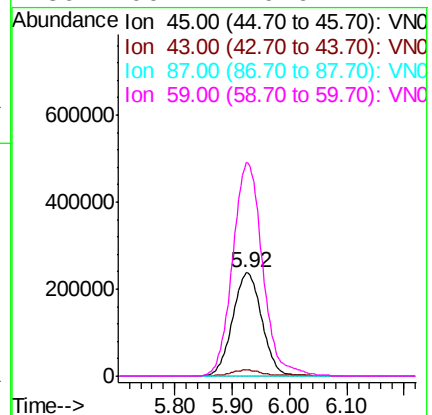
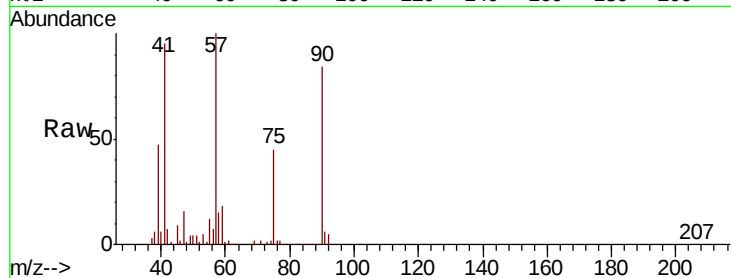




#22
Diisopropyl ether
Concen: 51.281 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

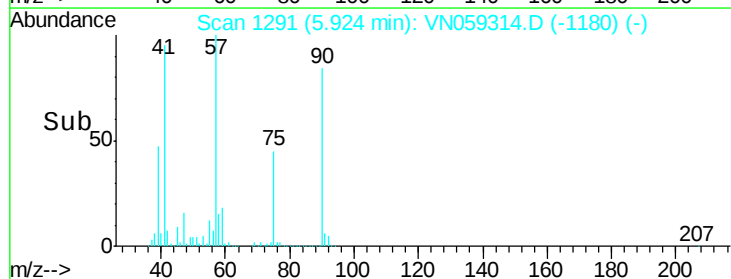
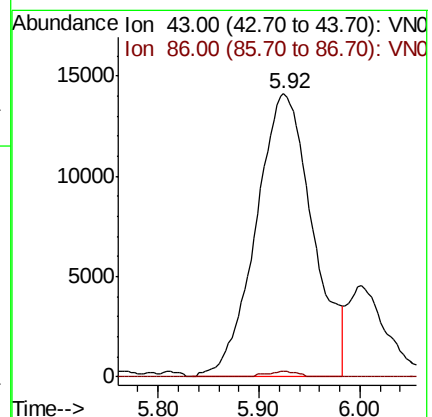
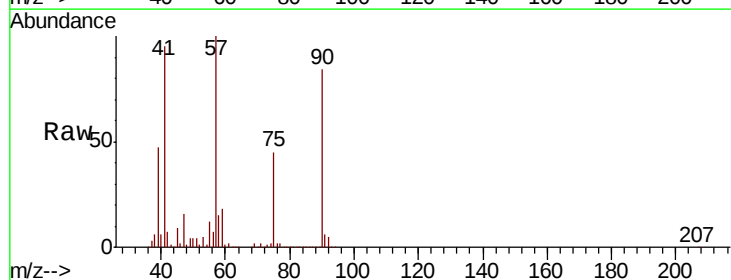
Instrument :
MSVOA_N
ClientSampled :

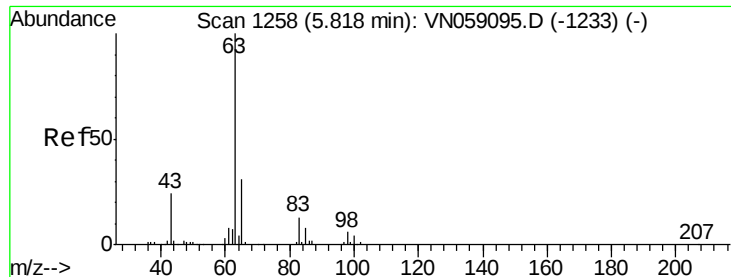
Tot Ion: 45 Resp: 845673
Ion Ratio Lower Upper
45 100
43 5.9 46.7 70.1#
87 0.4 20.5 30.7#
59 206.2 9.6 14.4#



#23
Vinyl Acetate
Concen: 4.307 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.06 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 43 Resp: 55043
Ion Ratio Lower Upper
43 100
86 1.9 7.7 11.5#





#24

1,1-Dichloroethane

Concen: 0.363 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.10 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

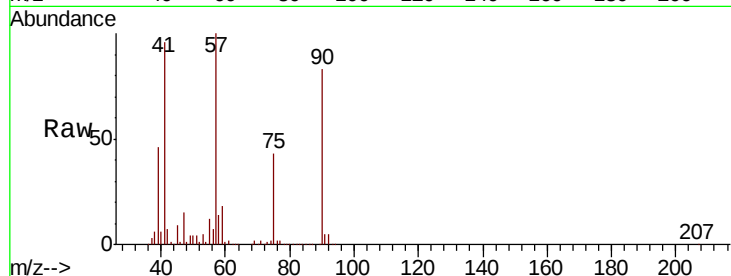
Tot Ion: 63 Resp: 3347

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.9 5.7#

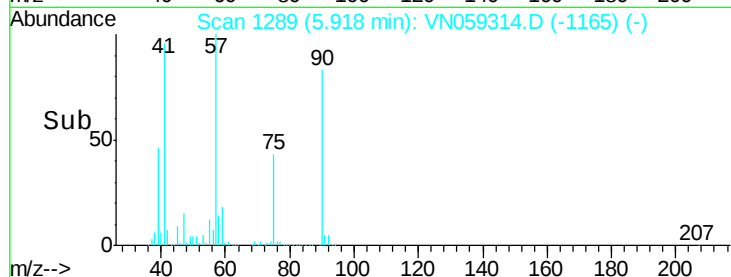


Abundance Ion 62.90 (62.60 to 63.60): VN059314.D (-1289) (-)

Ion 97.90 (97.60 to 98.60): VN059314.D (-1289) (-)

Ion 99.90 (99.60 to 100.60): VN059314.D (-1289) (-)

Time-->

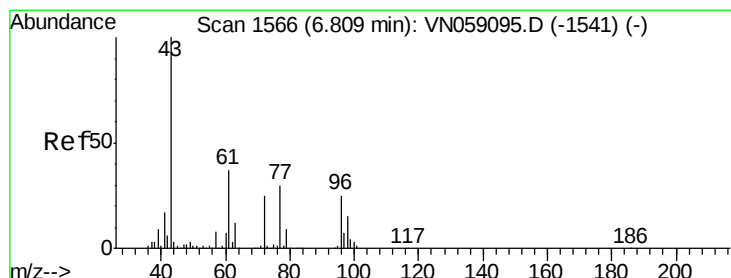


Abundance Ion 62.90 (62.60 to 63.60): VN059314.D (-1289) (-)

Ion 97.90 (97.60 to 98.60): VN059314.D (-1289) (-)

Ion 99.90 (99.60 to 100.60): VN059314.D (-1289) (-)

Time-->



#25

2-Butanone

Concen: 121.720 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059314.D

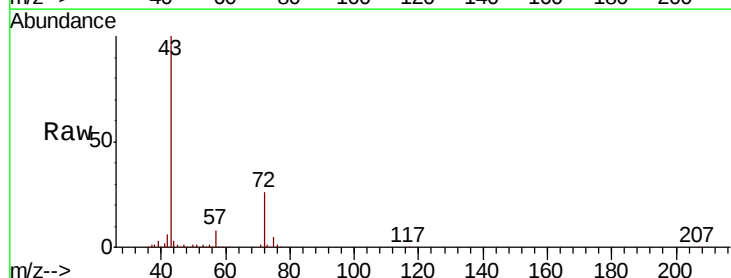
Acq: 19 Nov 2019 18:42

Tgt Ion: 43 Resp: 467230

Ion Ratio Lower Upper

43 100

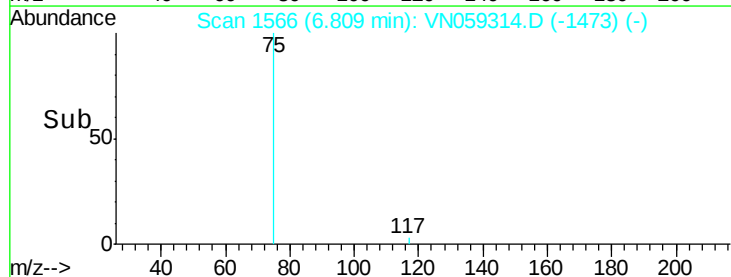
72 25.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059314.D (-1566) (-)

Ion 72.00 (71.70 to 72.70): VN059314.D (-1566) (-)

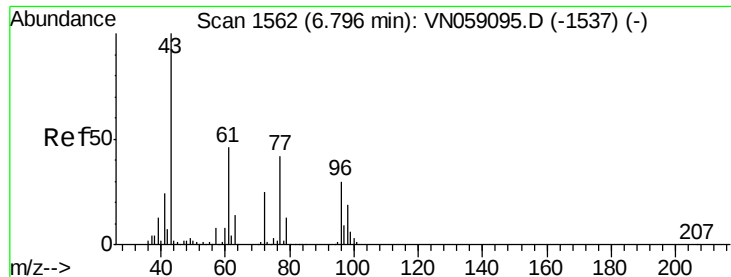
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN059314.D (-1566) (-)

Ion 72.00 (71.70 to 72.70): VN059314.D (-1566) (-)

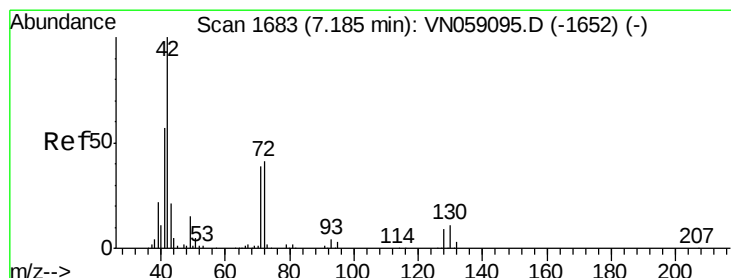
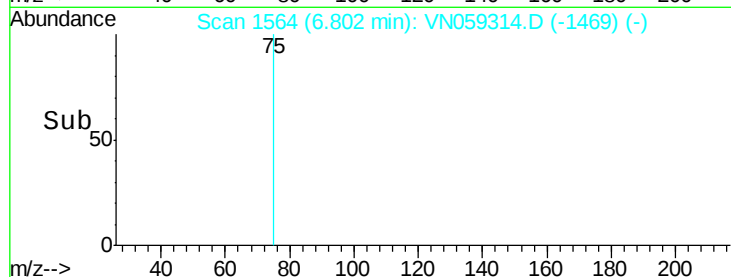
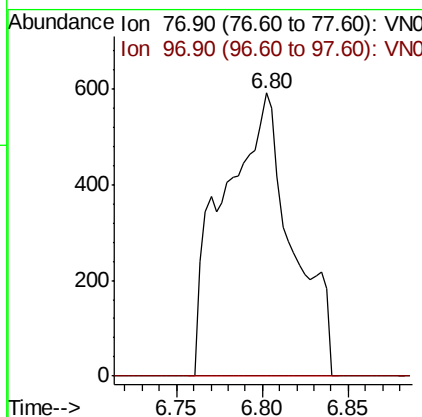
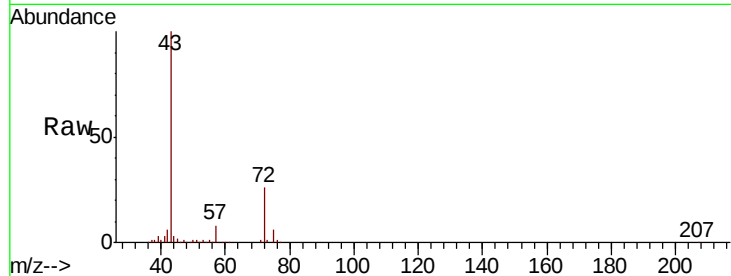
Time-->



#26
 2,2-Dichloropropane
 Concen: 0.203 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

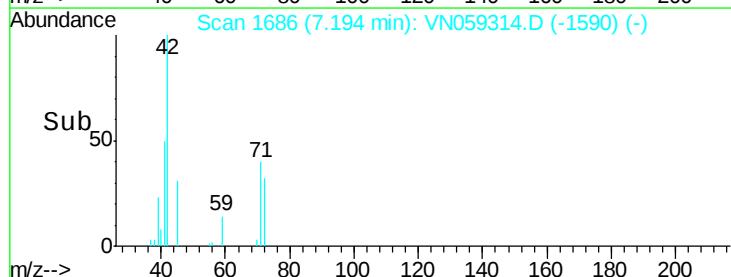
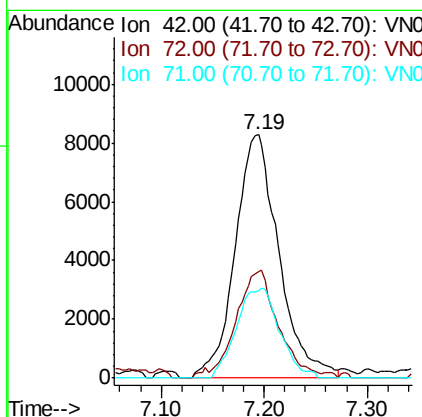
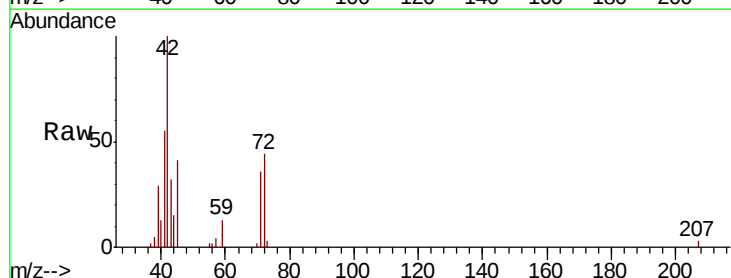
Instrument :
 MSVOA_N
 ClientSampleId :

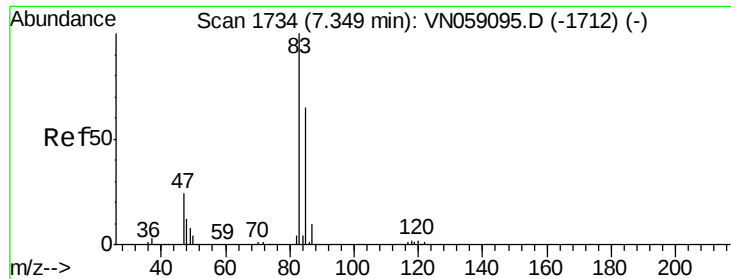
Tot Ion: 77 Resp: 1636
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.6#



#29
 Tetrahydrofuran
 Concen: 10.027 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

Tgt Ion: 42 Resp: 24457
 Ion Ratio Lower Upper
 42 100
 72 38.9 33.1 49.7
 71 36.4 30.9 46.3

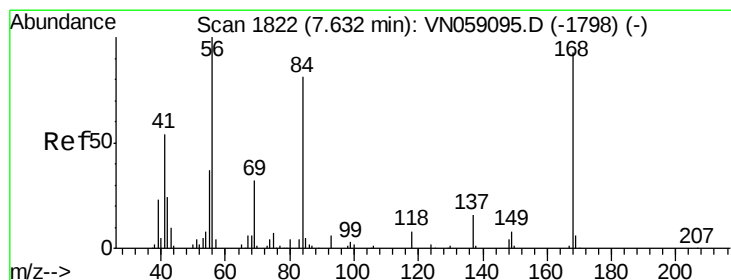
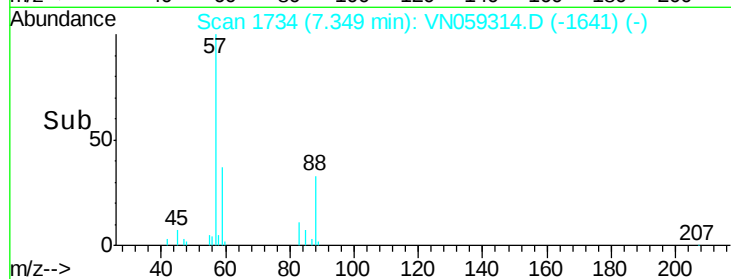
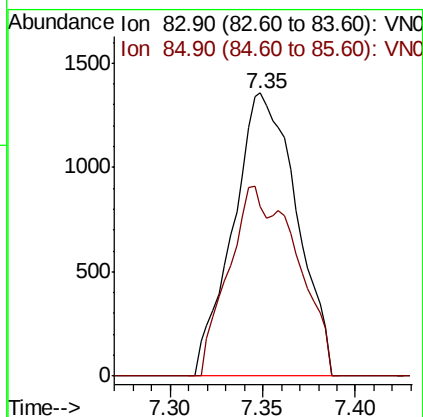
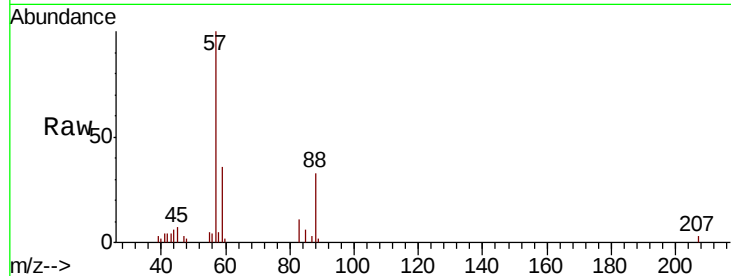




#30
Chloroform
Concen: 0.366 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

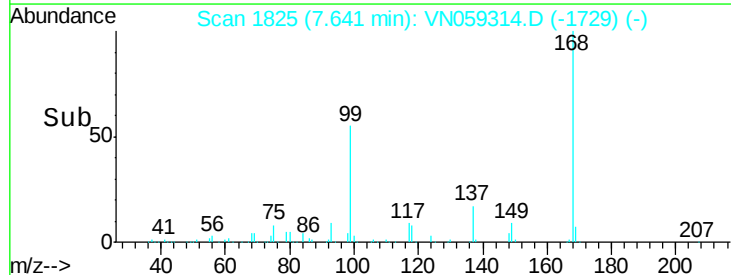
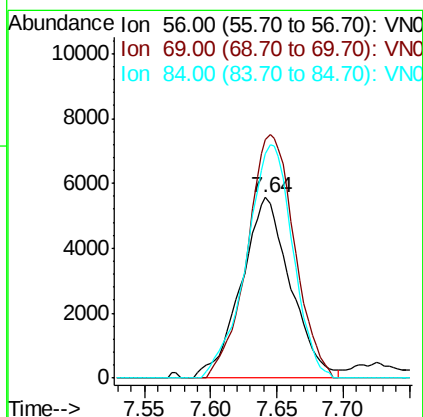
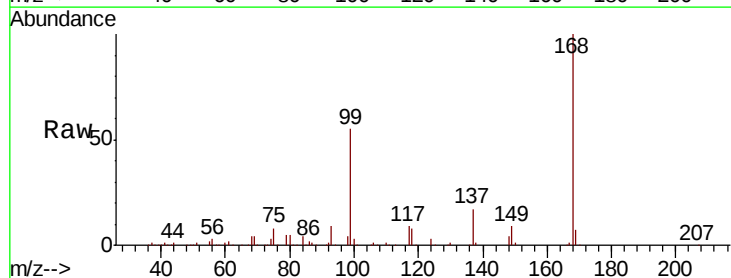
Instrument :
MSVOA_N
ClientSampleId :

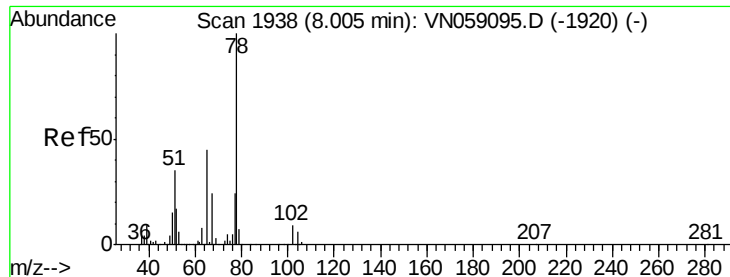
Tot Ion: 83 Resp: 3234
Ion Ratio Lower Upper
83 100
85 59.7 51.8 77.8



#31
Cyclohexane
Concen: 1.649 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 56 Resp: 14379
Ion Ratio Lower Upper
56 100
69 131.6 25.8 38.8#
84 124.3 65.0 97.4#

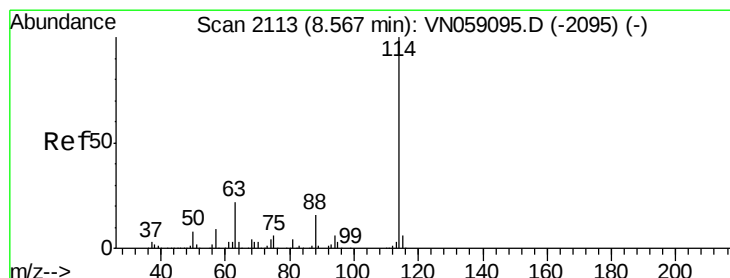
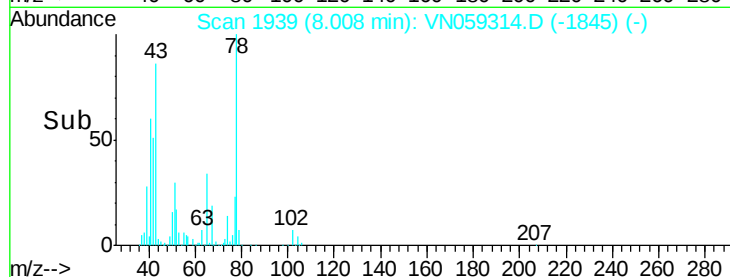
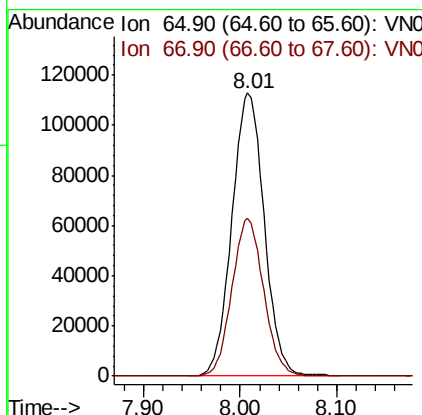
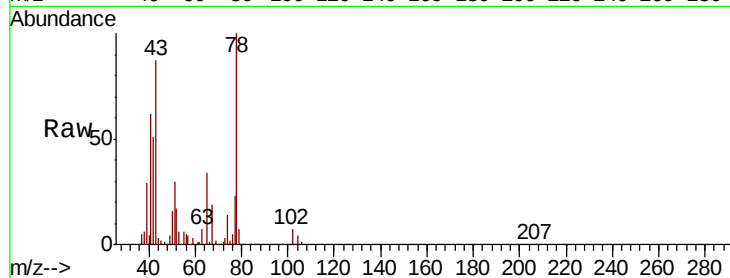




#33
 1,2-Dichloroethane-d4
 Concen: 46.853 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

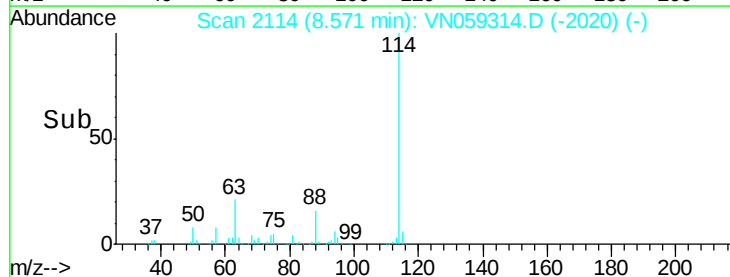
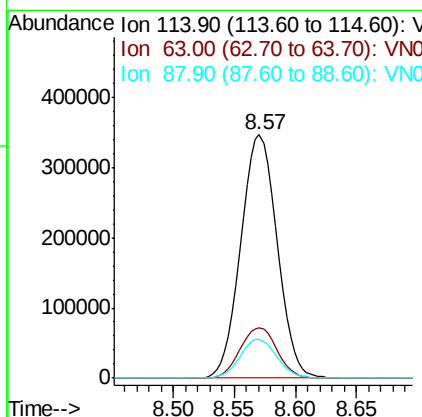
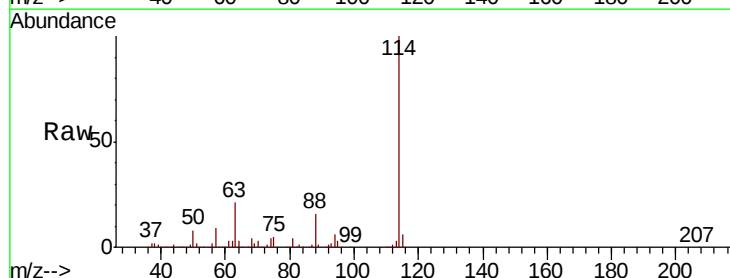
Instrument :
 MSVOA_N
 ClientSampleId :

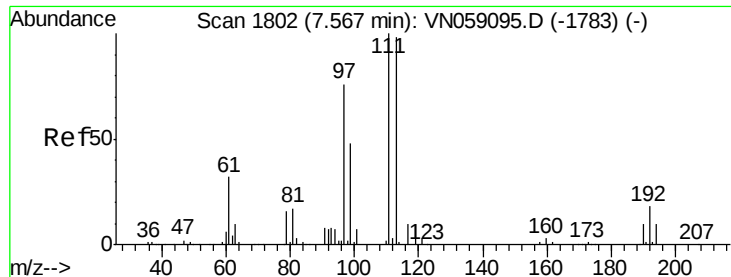
Tot Ion: 65 Resp: 262417
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

Tgt Ion: 114 Resp: 714445
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.4
 88 15.9 0.0 32.2

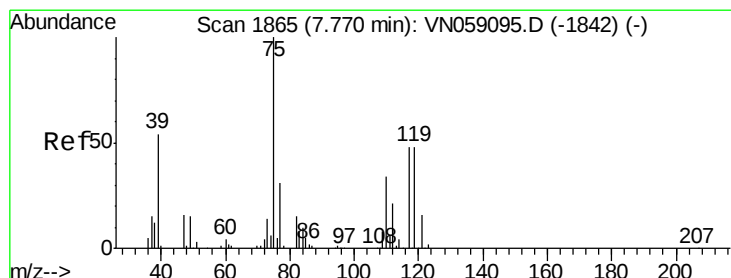
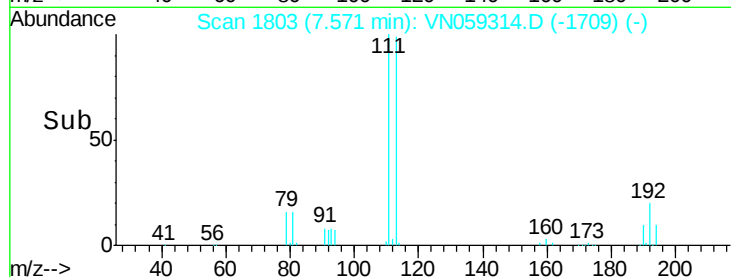
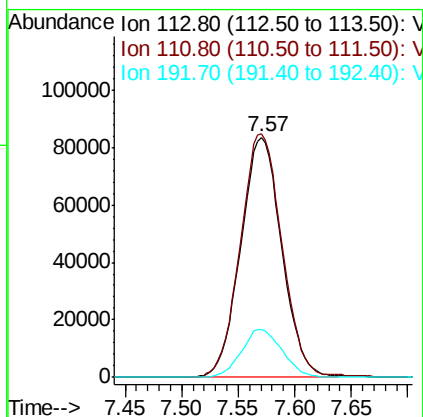
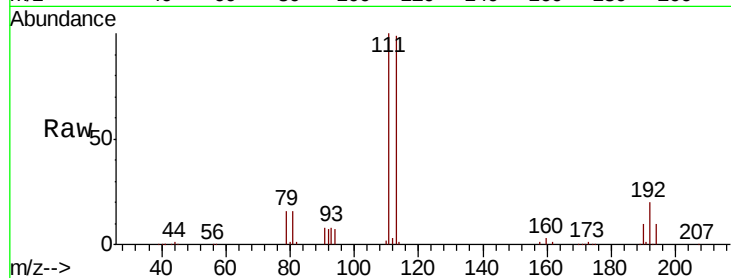




#35
Dibromofluoromethane
Concen: 49.290 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

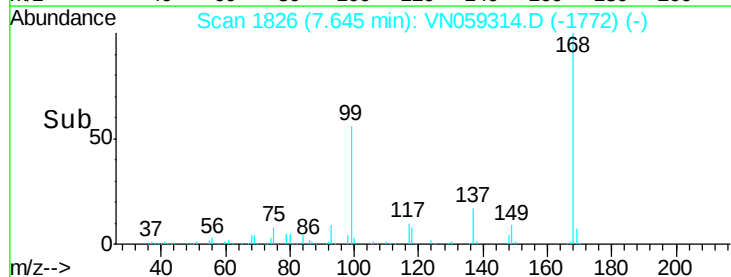
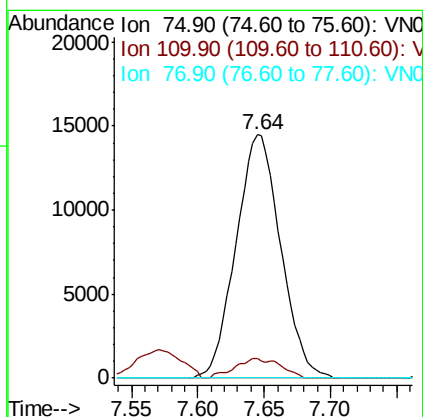
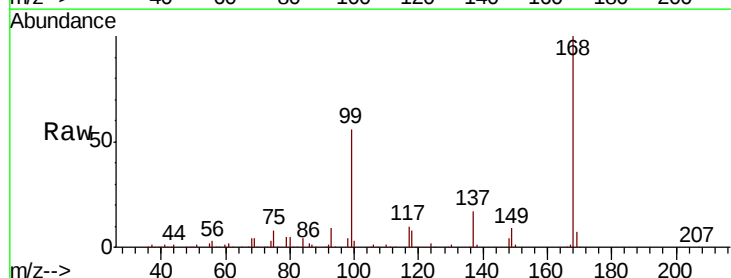
Instrument :
MSVOA_N
ClientSampleId :

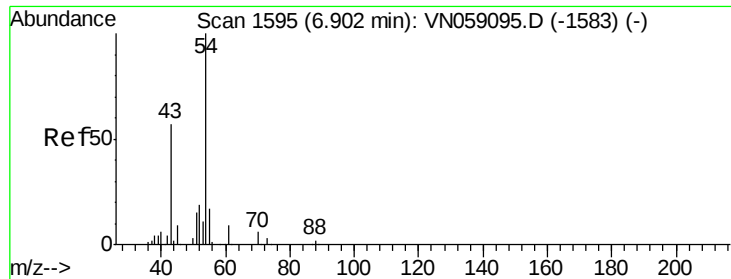
Tot Ion:113 Resp: 210268
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 19.9 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.13 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 75 Resp: 33932
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.8 37.2#

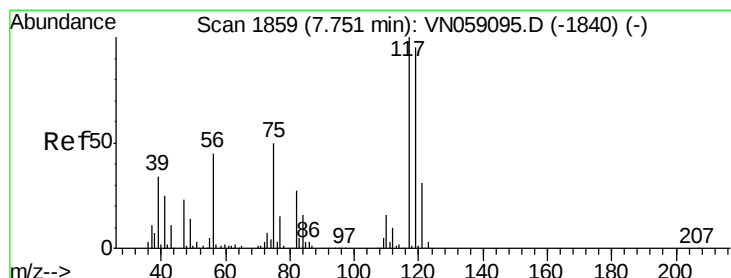
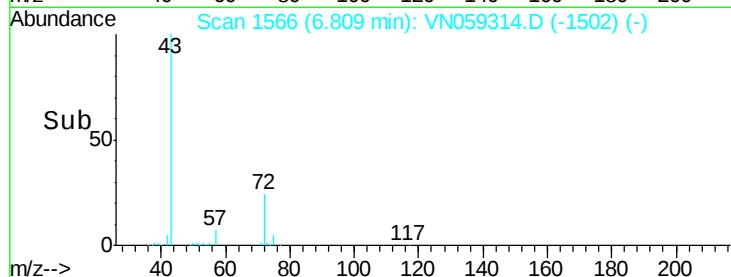
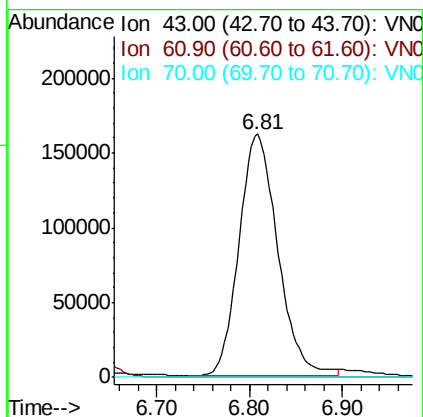
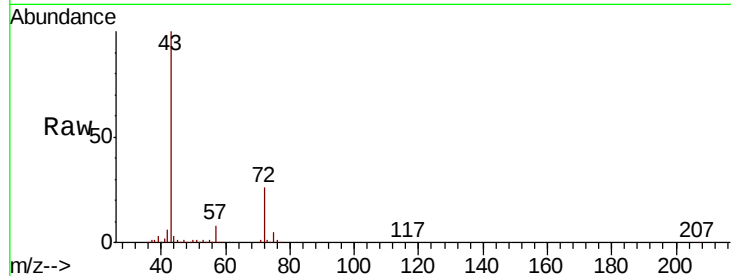




#37
Ethyl Acetate
Concen: 62.892 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.09 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

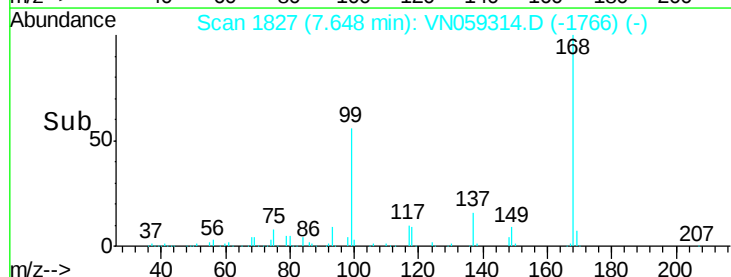
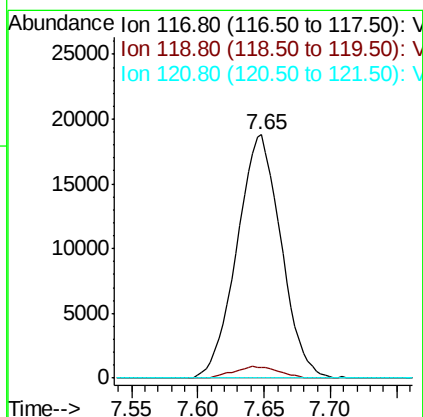
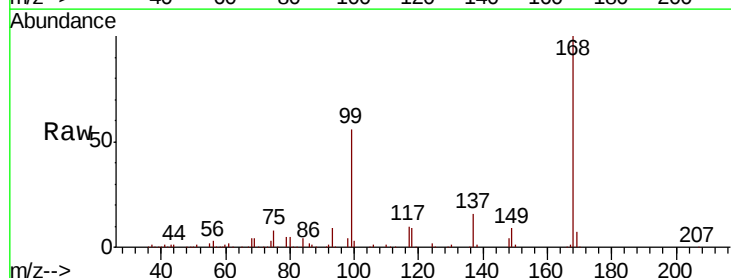
Instrument :
MSVOA_N
ClientSampleId :

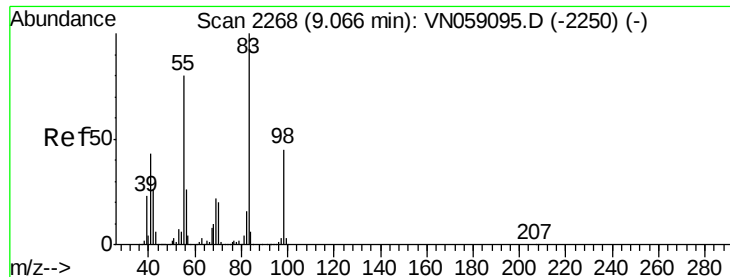
Tot Ion: 43 Resp: 467230
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.535 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.10 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 117 Resp: 43434
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 24.6 36.8#

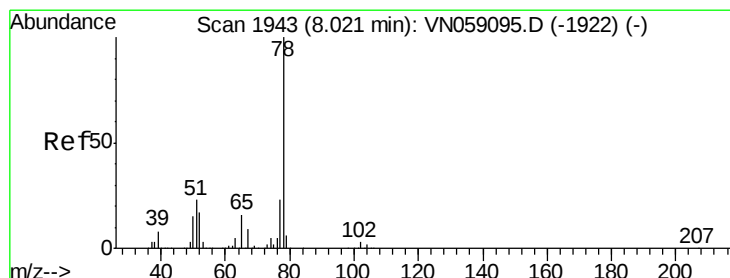
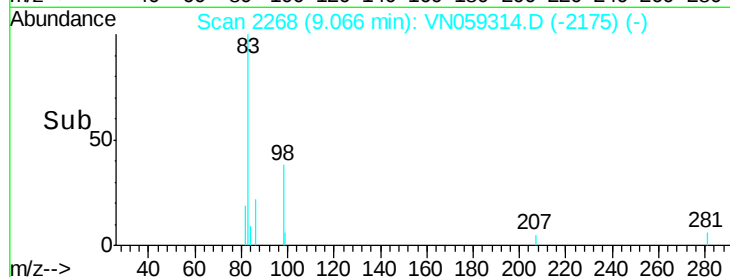
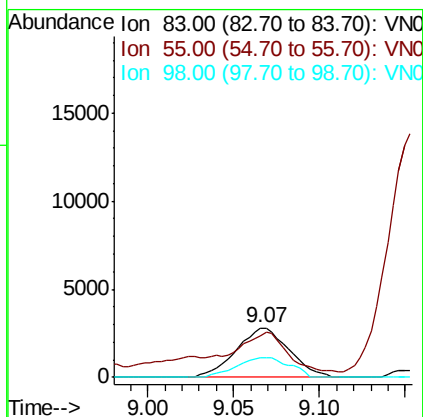
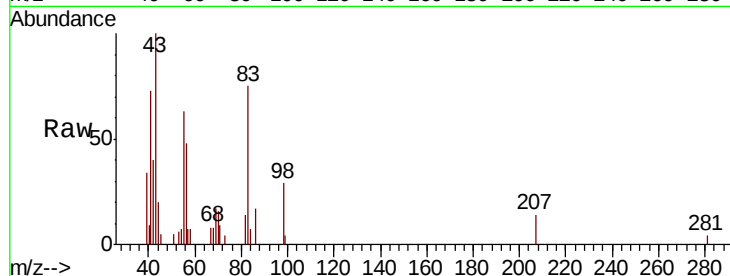




#39
Methvlcvclohexane
Concen: 0.772 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

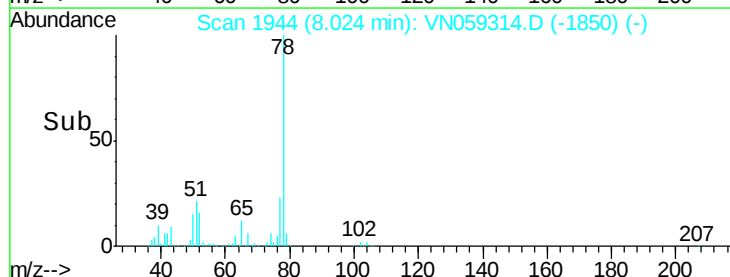
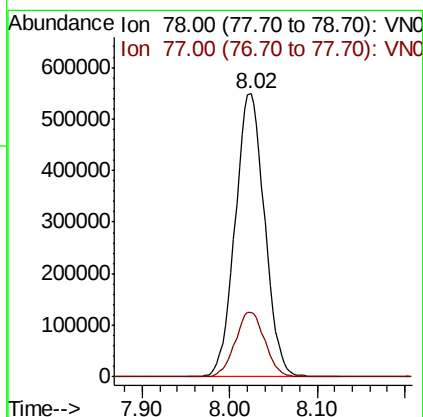
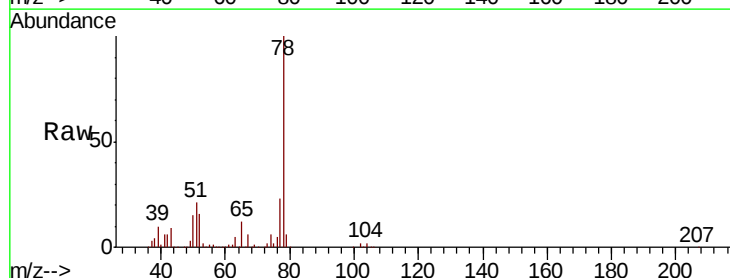
Instrument :
MSVOA_N
ClientSampleId :

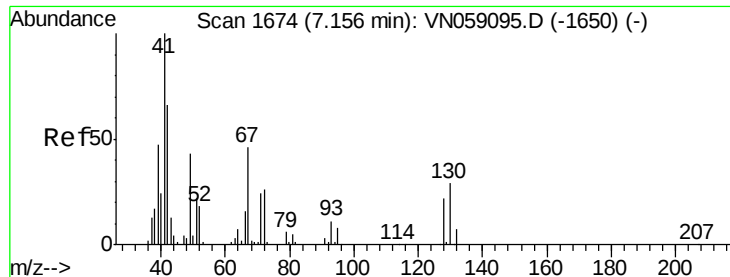
Tot Ion: 83 Resp: 5982
Ion Ratio Lower Upper
83 100
55 72.8 63.9 95.9
98 38.4 35.6 53.4



#40
Benzene
Concen: 63.740 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 78 Resp: 1281799
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

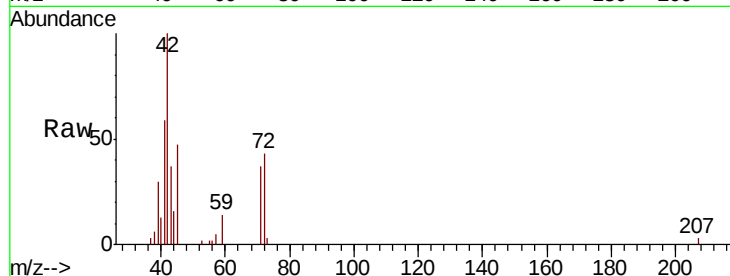




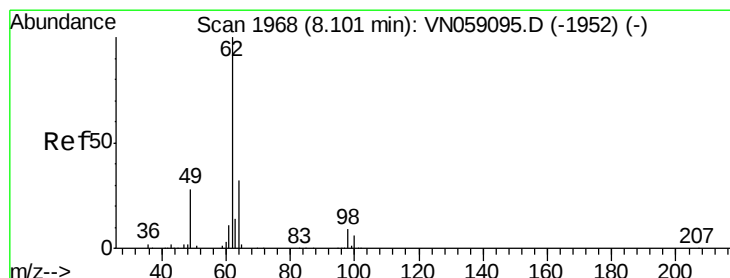
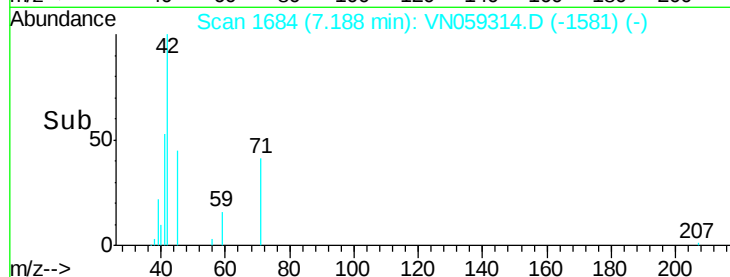
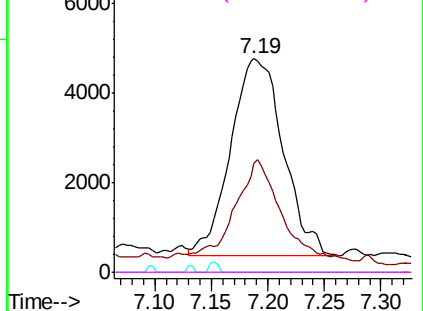
#41
Methacrylonitrile
Concen: 4.424 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	14291
Ion	Ratio	Lower	Upper
41	100		
39	44.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

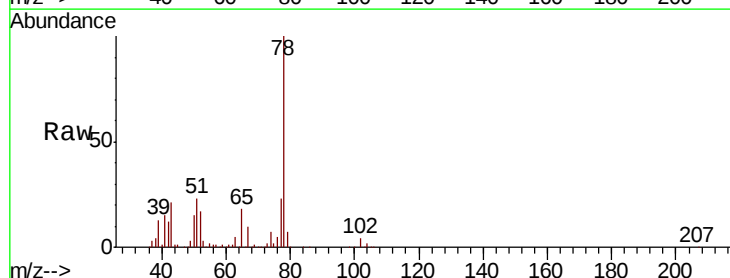


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

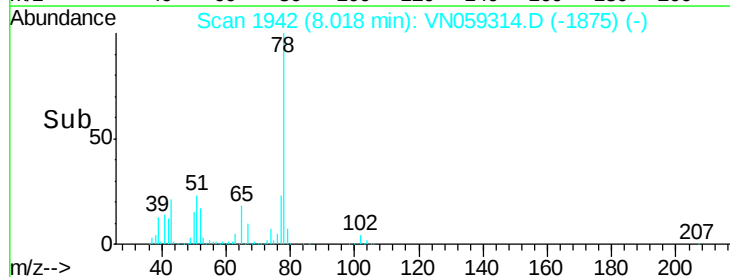
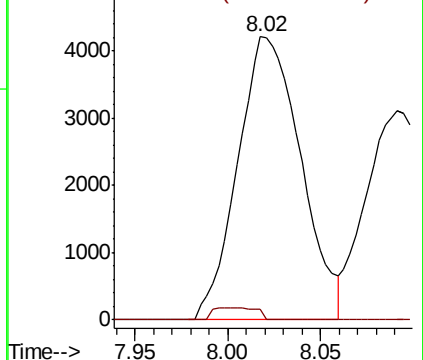


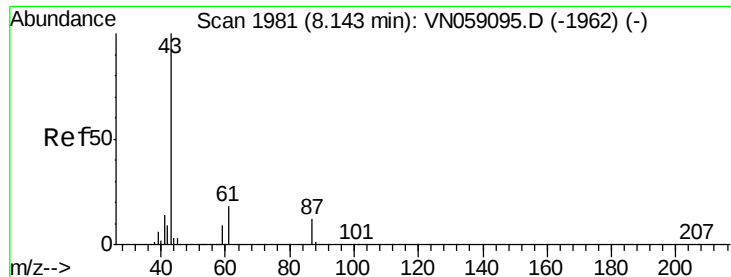
#42
1,2-Dichloroethane
Concen: 1.447 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.08 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion:	62	Resp:	9978
Ion	Ratio	Lower	Upper
62	100		
98	3.0	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 138.357 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.15 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

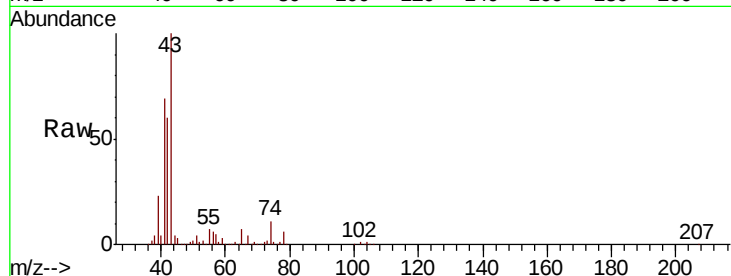
Tot Ion: 43 Resp: 1638667

Ion Ratio Lower Upper

43 100

61 0.0 21.0 31.6#

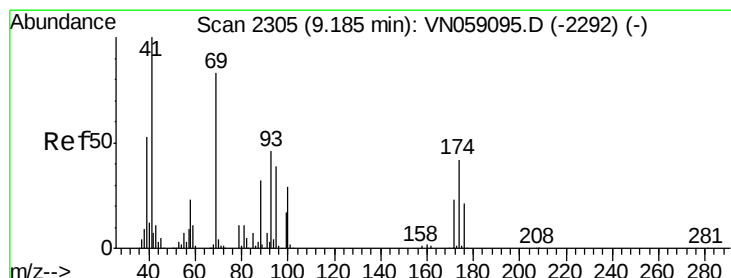
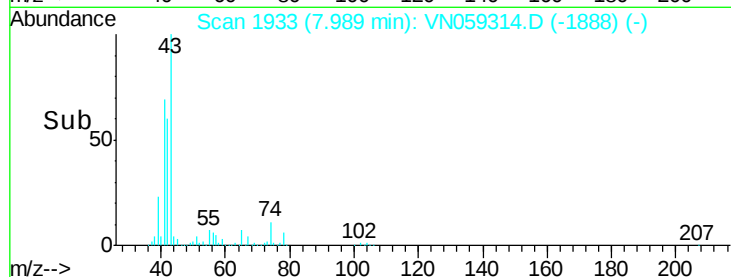
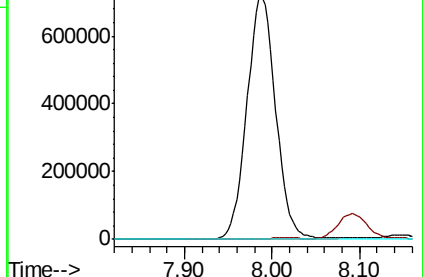
87 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VN059314.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059314.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059314.D (-1962) (-)



#48

Methyl methacrylate

Concen: 32.673 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.03 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

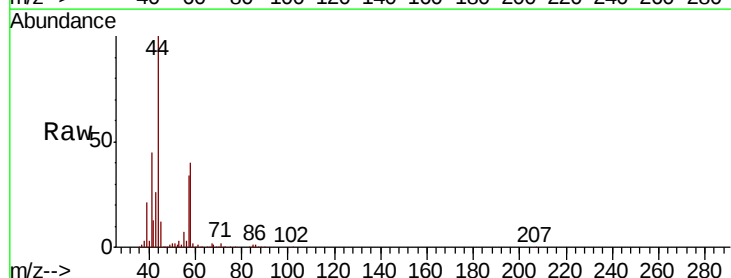
Tgt Ion: 41 Resp: 173092

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

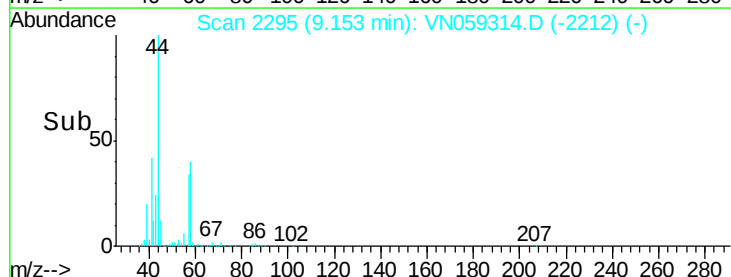
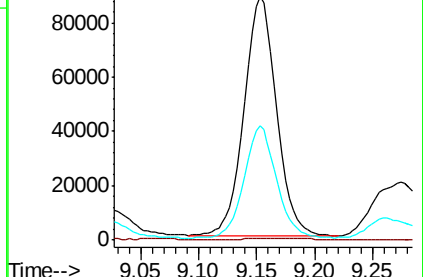
39 46.7 43.3 64.9

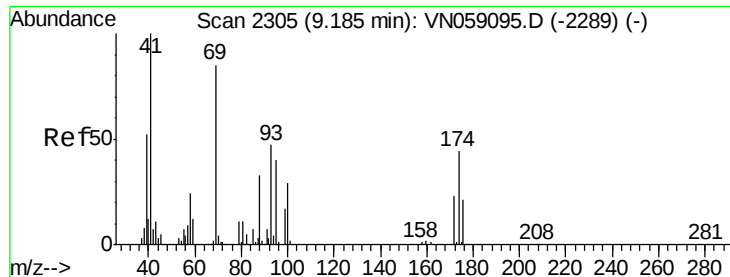


Abundance Ion 41.00 (40.70 to 41.70): VN059314.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059314.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059314.D (-2292) (-)

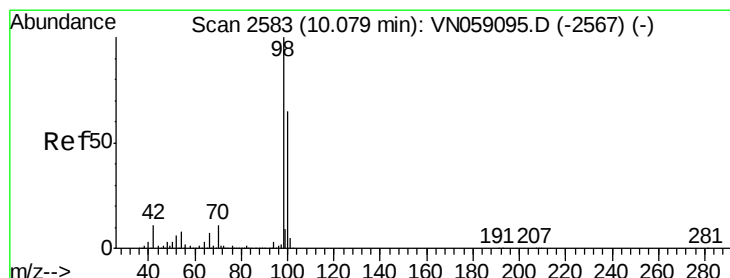
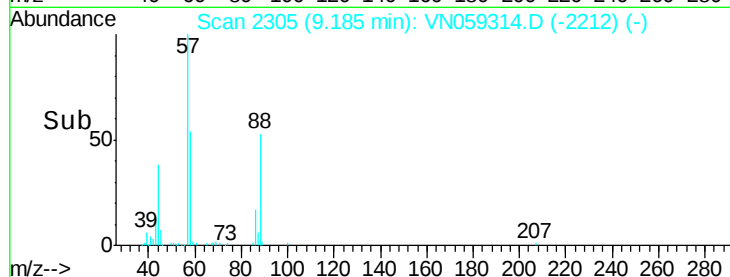
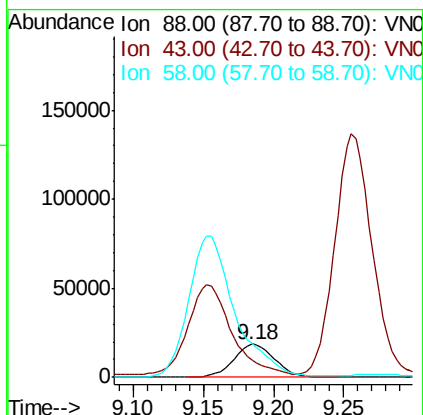
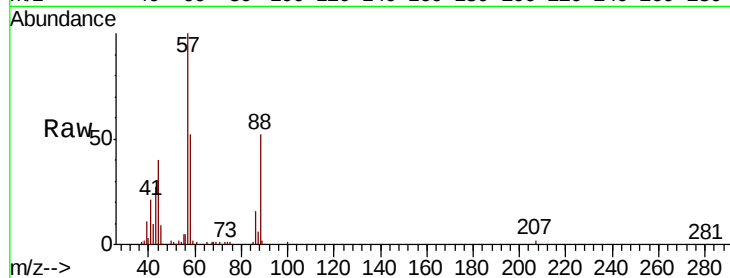




#49
 1,4-Dioxane
 Concen: 402.686 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

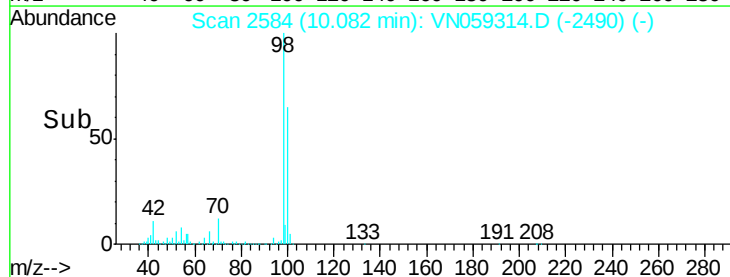
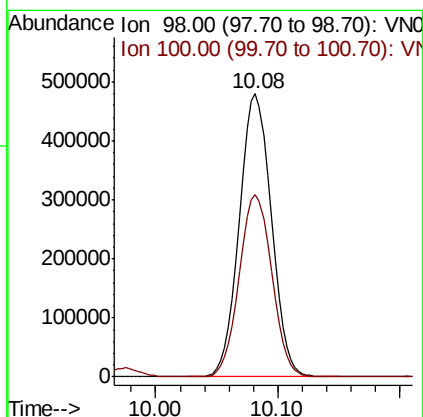
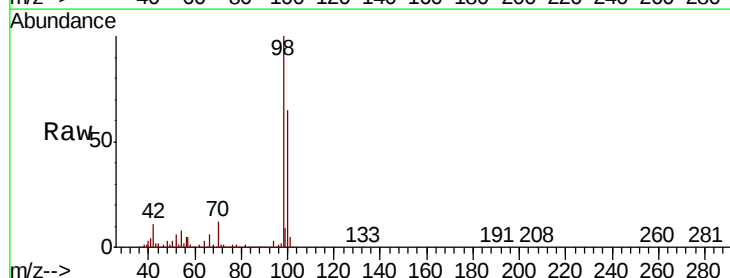
Instrument :
 MSVOA_N
 ClientSampleId :

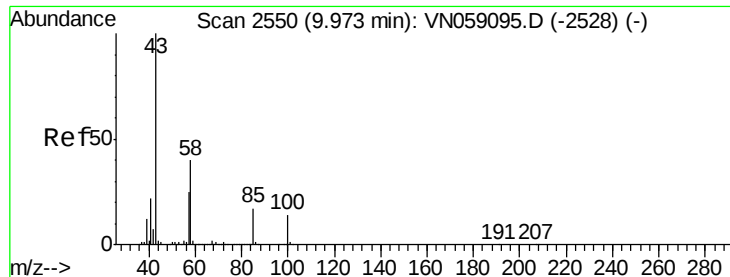
Tot Ion: 88 Resp: 37912
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.3 39.5#
 58 0.0 60.6 90.8#



#50
 Toluene-d8
 Concen: 51.848 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

Tgt Ion: 98 Resp: 871214
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 27.211 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

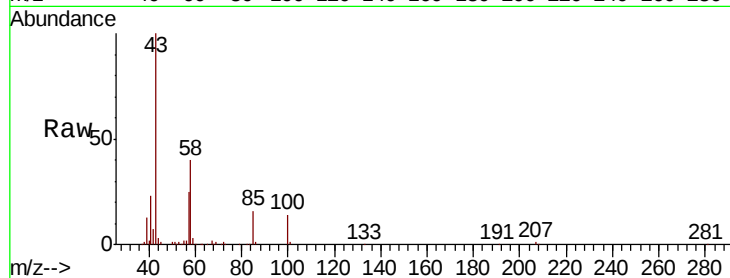
ClientSampled :

Tot Ion: 43 Resp: 182355

Ion Ratio Lower Upper

43 100

58 41.0 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059314.D (-2551) (-)

Ion 58.00 (57.70 to 58.70): VN059314.D (-2551) (-)

9.98

120000

100000

80000

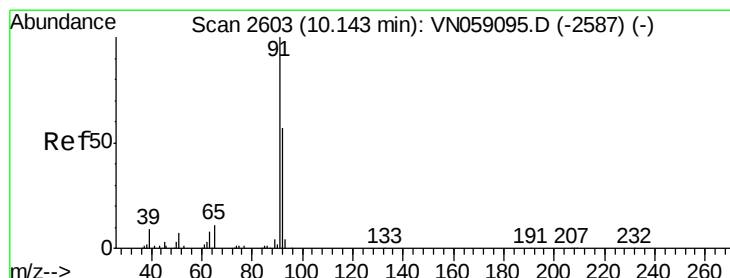
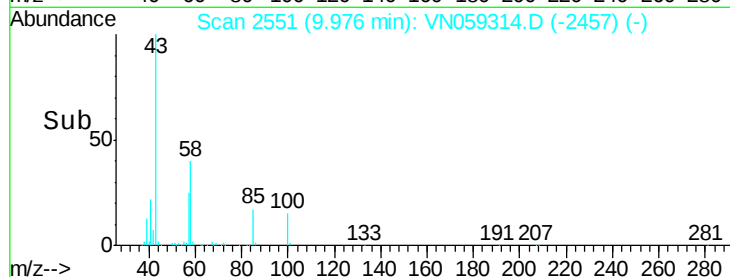
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 59.806 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059314.D

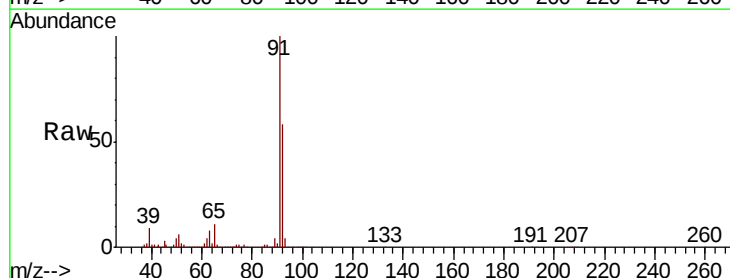
Acq: 19 Nov 2019 18:42

Tgt Ion: 92 Resp: 720858

Ion Ratio Lower Upper

92 100

91 172.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059314.D (-2604) (-)

Ion 91.00 (90.70 to 91.70): VN059314.D (-2604) (-)

10.15

800000

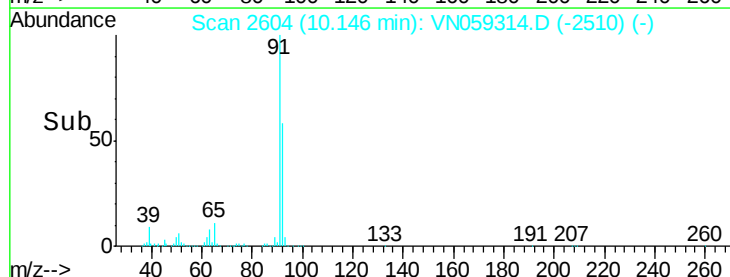
600000

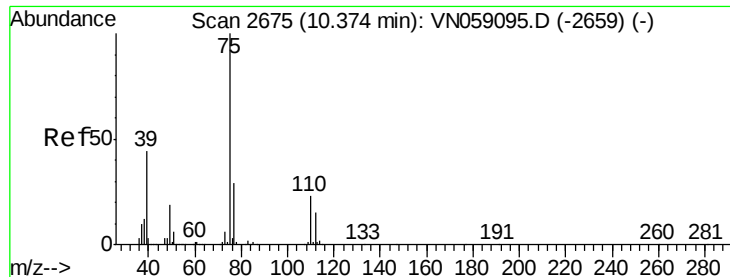
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.605 ug/l

RT: 10.45 min Scan# 2700

Delta R.T. 0.08 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

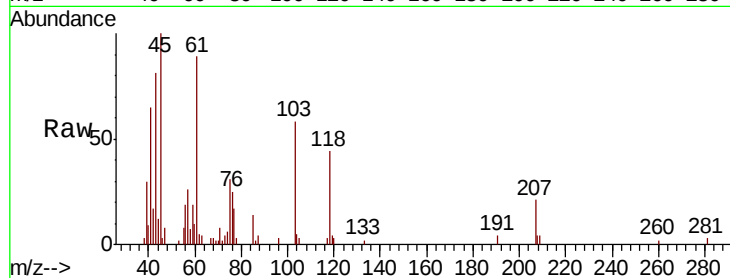
ClientSampled :

Tot Ion: 75 Resp: 4754

Ion Ratio Lower Upper

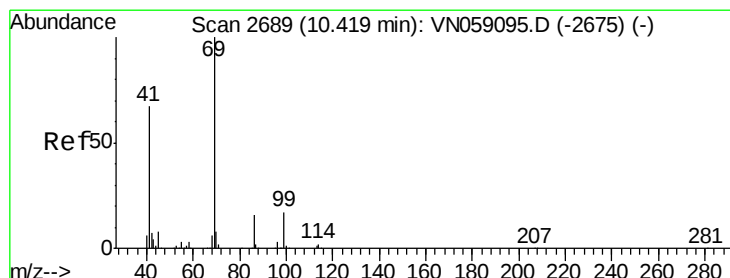
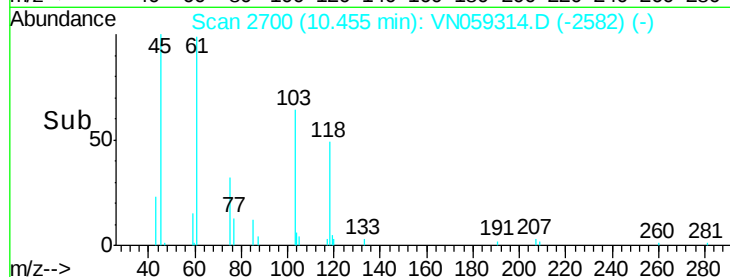
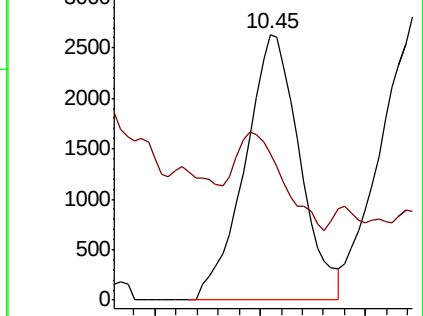
75 100

77 20.8 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: 3.244 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.07 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

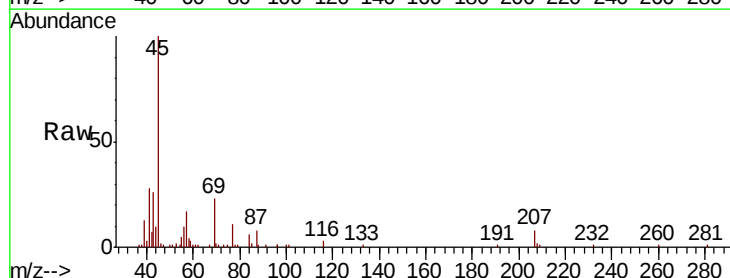
Tgt Ion: 69 Resp: 11590

Ion Ratio Lower Upper

69 100

41 94.0 53.6 80.4#

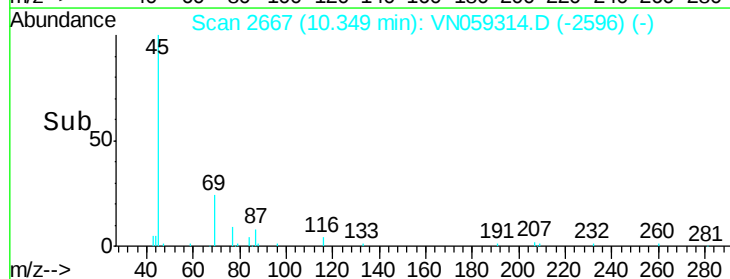
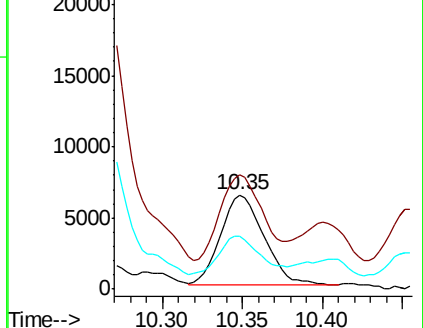
39 38.5 26.2 39.4

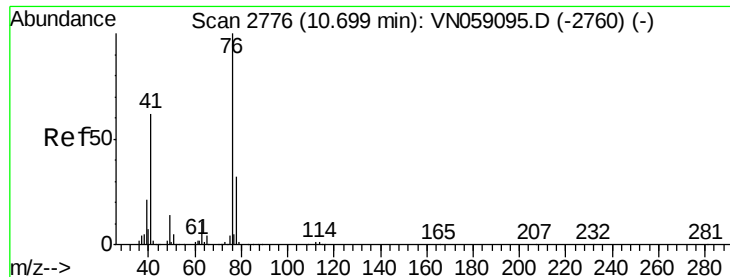


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

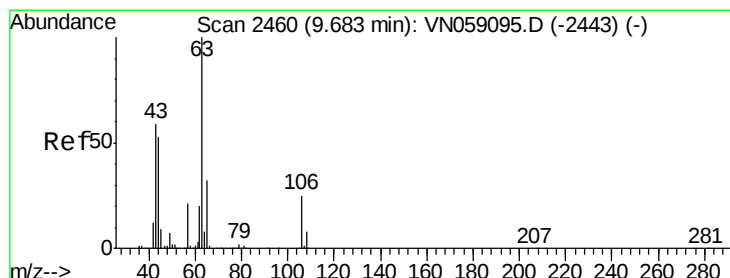
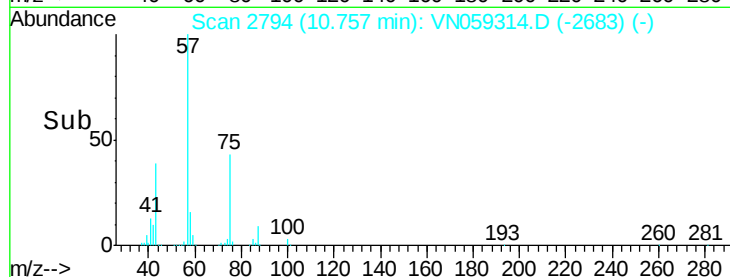
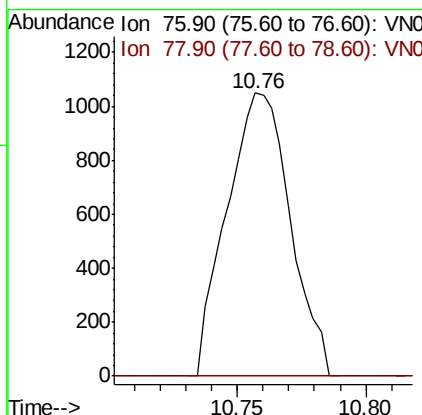
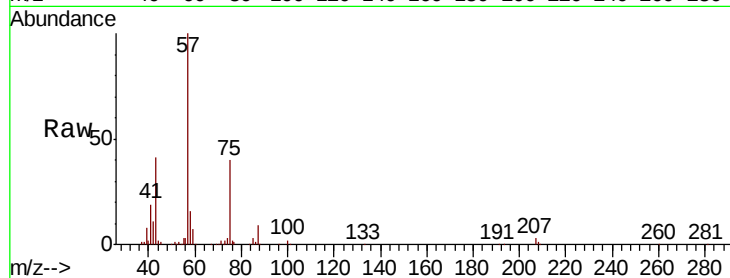




#57
 1,3-Dichloropropane
 Concen: 0.215 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

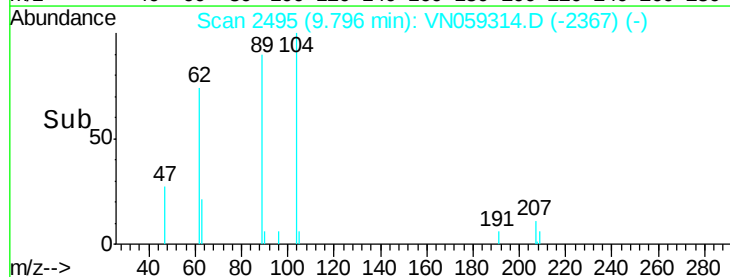
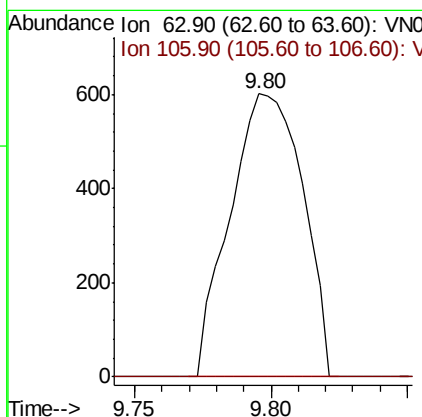
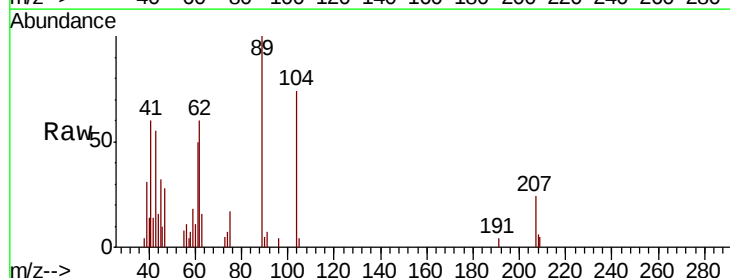
Instrument :
 MSVOA_N
 ClientSampled :

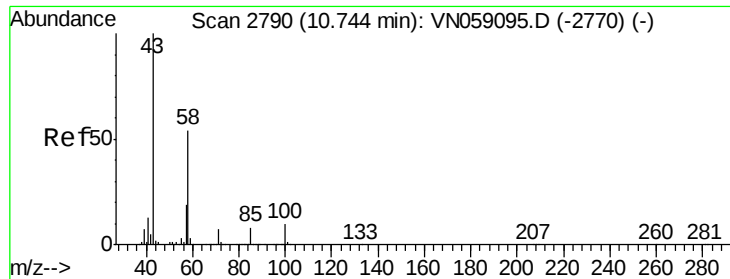
Tot Ion: 76 Resp: 1802
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.410 ug/l
 RT: 9.80 min Scan# 2495
 Delta R.T. 0.11 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

Tgt Ion: 63 Resp: 1113
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#

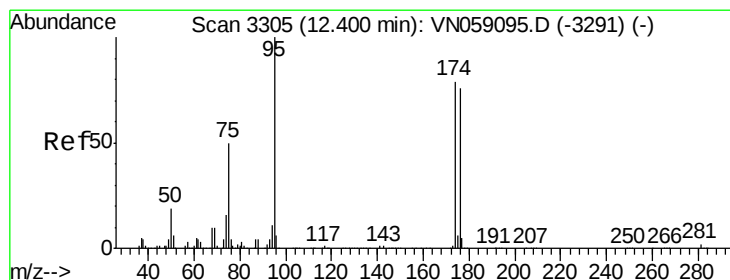
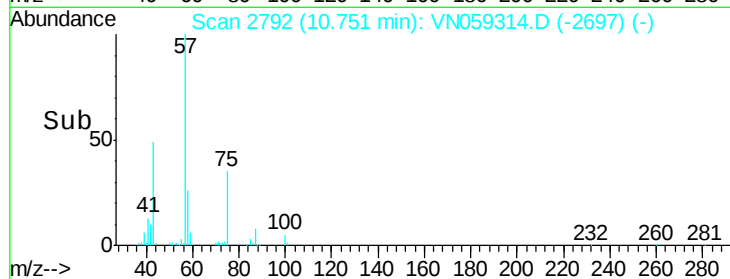
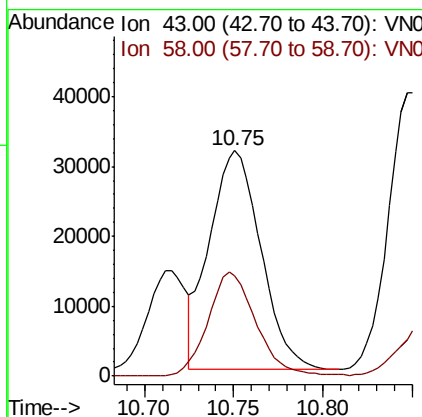
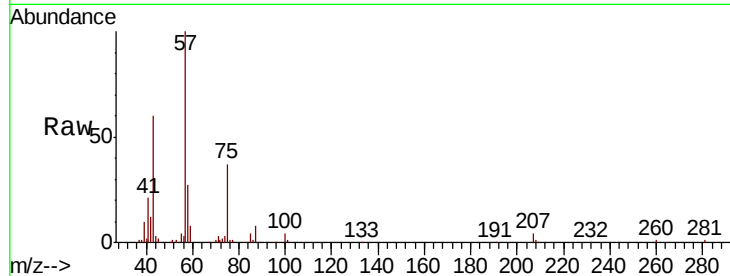




#59
2-Hexanone
Concen: 12.250 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

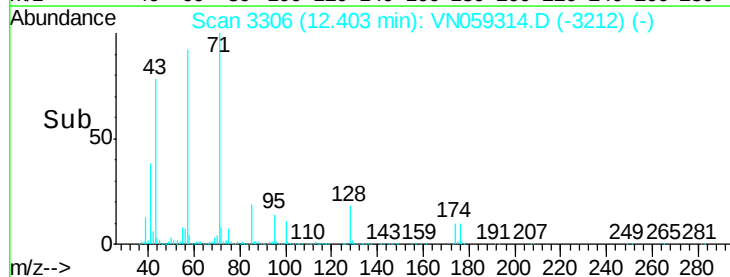
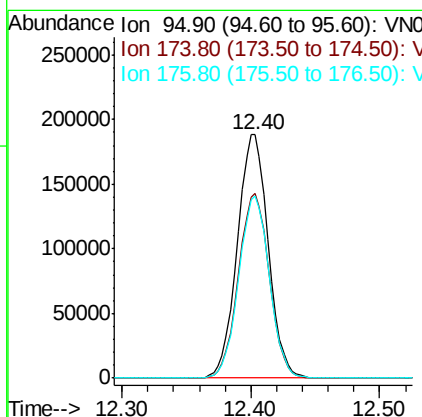
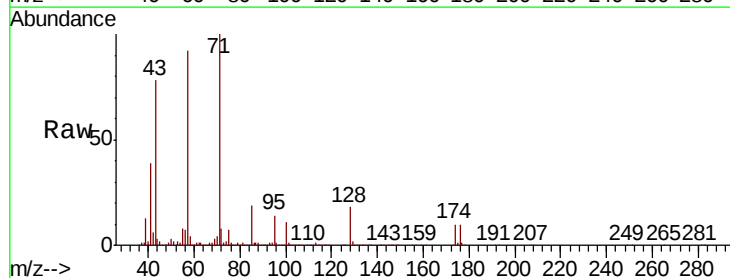
Instrument :
MSVOA_N
ClientSampleId :

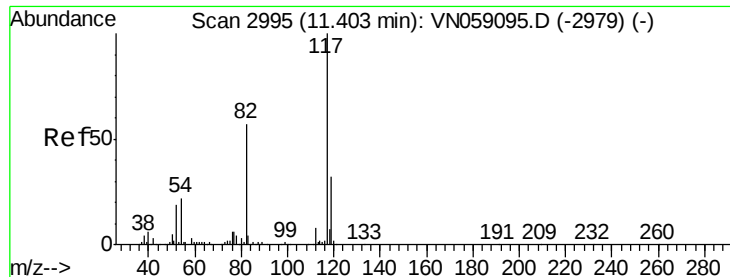
Tot Ion: 43 Resp: 63010
Ion Ratio Lower Upper
43 100
58 44.2 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 95 Resp: 312243
Ion Ratio Lower Upper
95 100
174 76.1 0.0 158.2
176 74.7 0.0 151.8

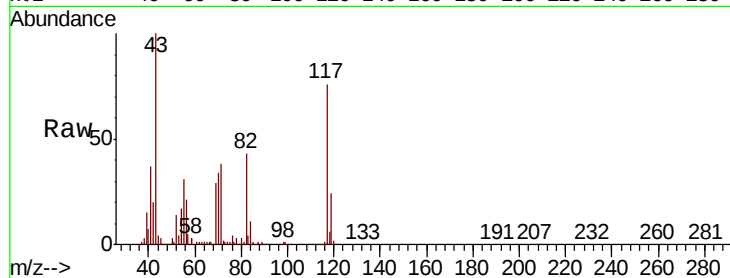




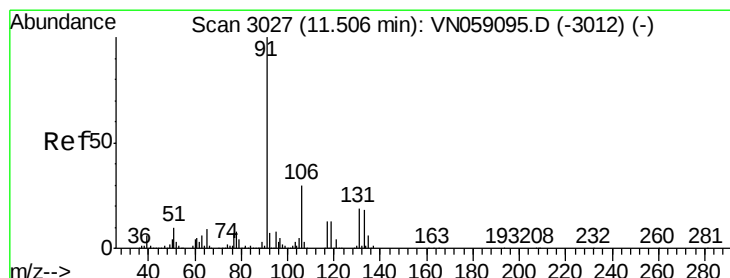
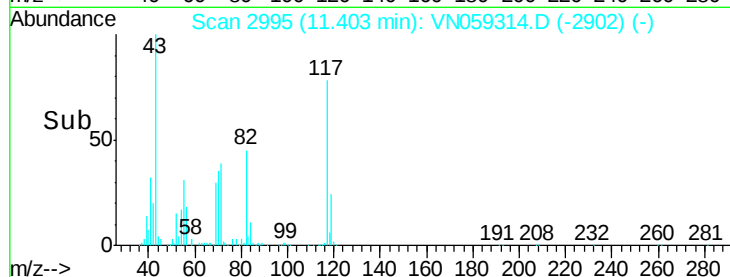
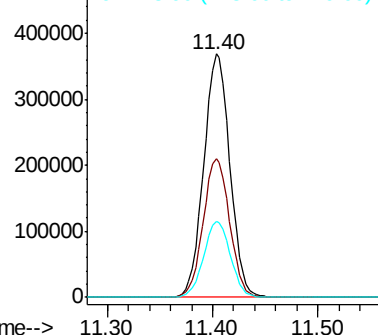
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 631778
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.8
119 31.2 25.8 38.6

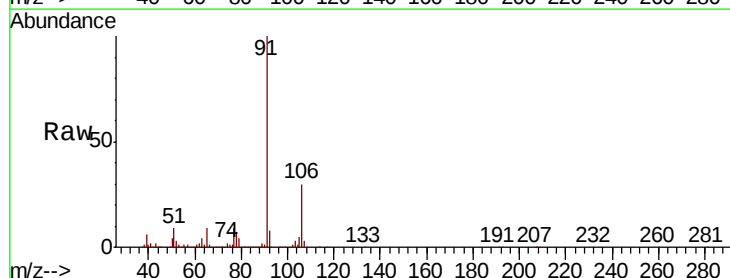


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

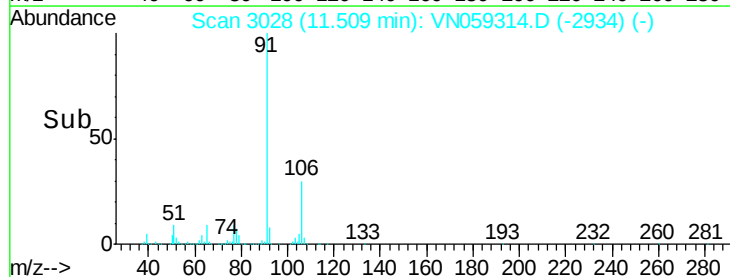
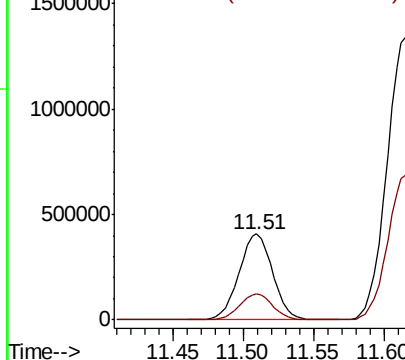


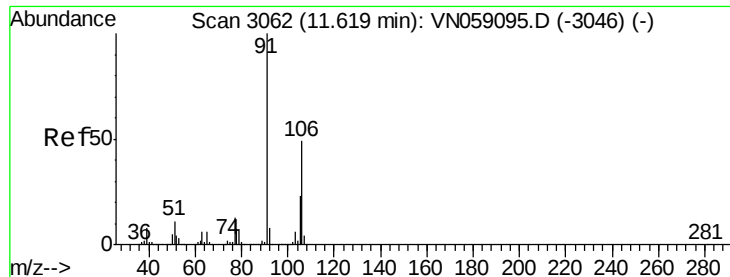
#67
Ethyl Benzene
Concen: 31.114 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 91 Resp: 679880
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 106.00 (105.70 to 106.70): V

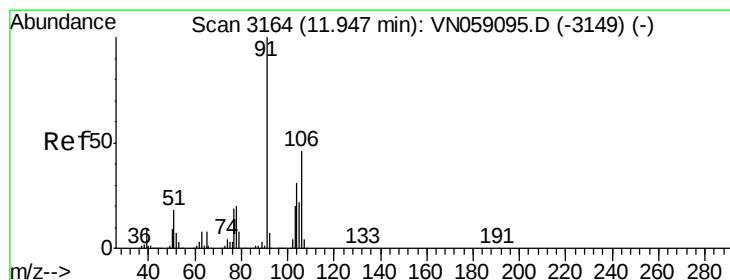
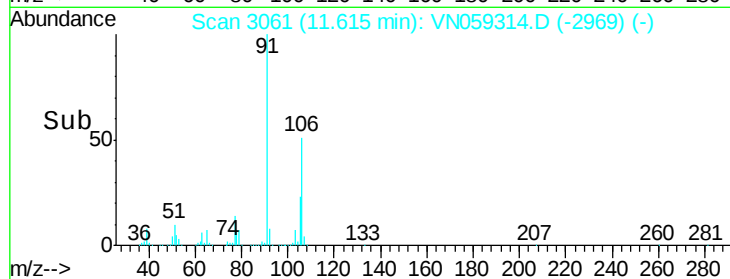
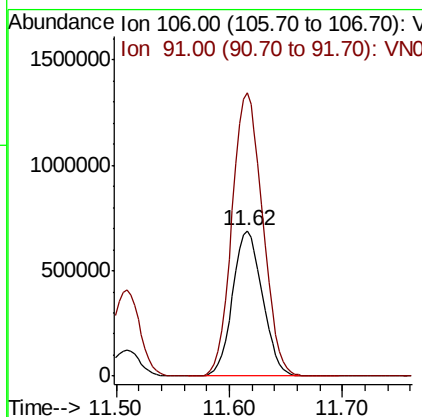
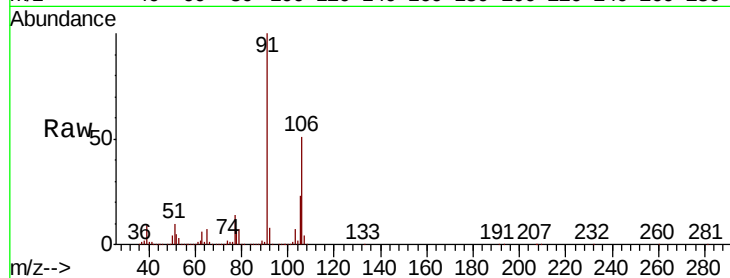




#68
m/p-Xylenes
Concen: 154.857 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

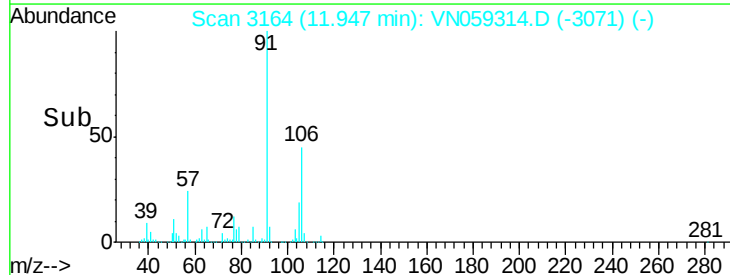
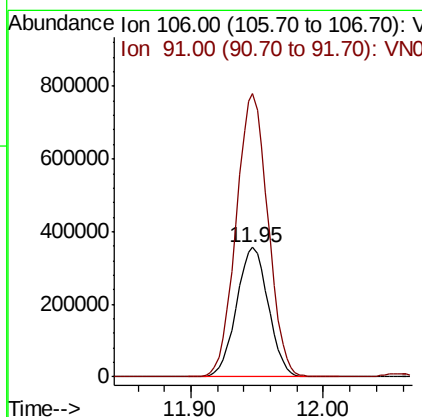
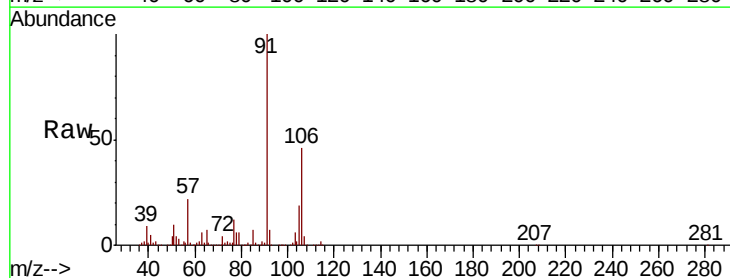
Instrument :
MSVOA_N
ClientSampleId :

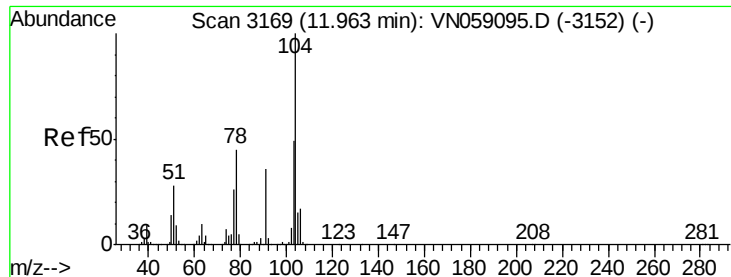
Tot Ion:106 Resp: 1267527
Ion Ratio Lower Upper
106 100
91 199.8 164.7 247.1



#69
o-Xylene
Concen: 75.278 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion:106 Resp: 595459
Ion Ratio Lower Upper
106 100
91 218.3 110.1 330.3

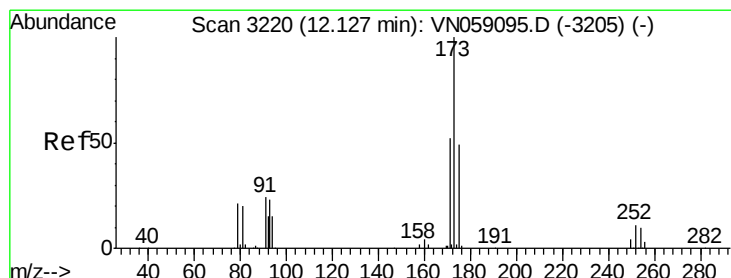
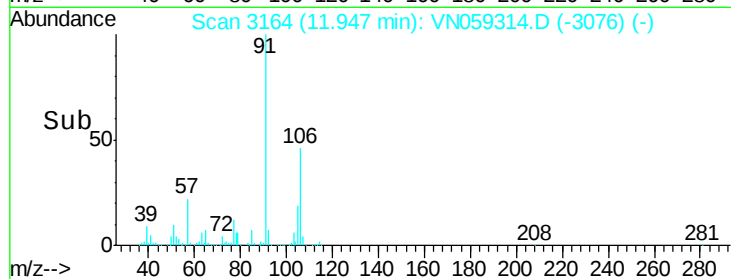
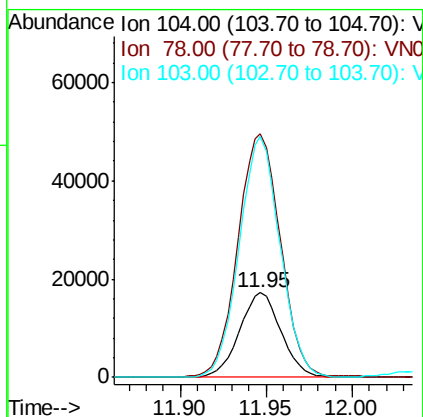
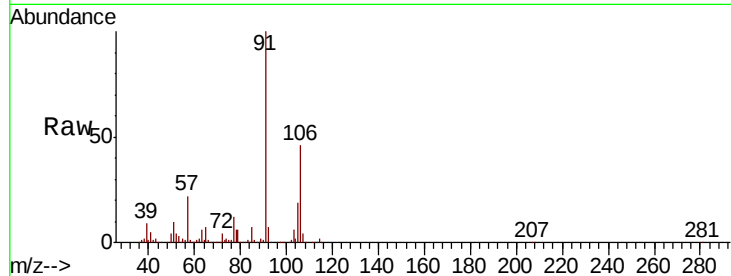




#70
Stvrene
Concen: 2.326 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

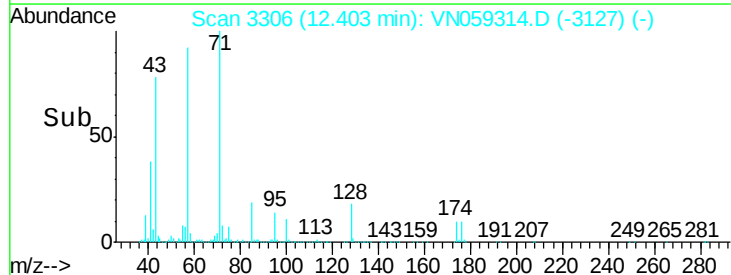
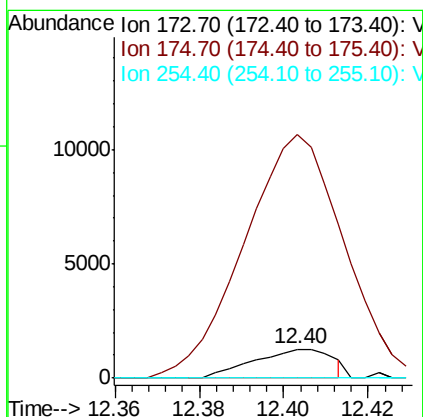
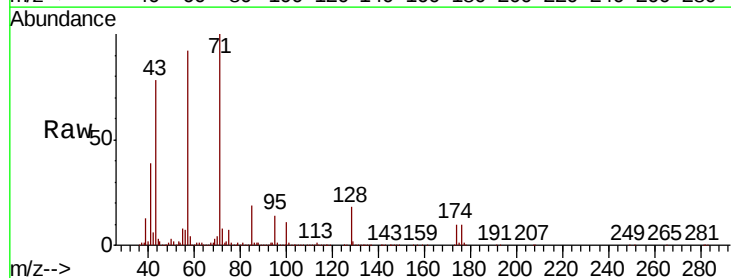
Instrument :
MSVOA_N
ClientSampleId :

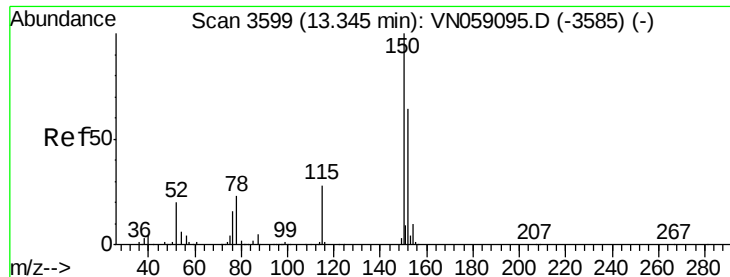
Tot Ion:104 Resp: 28937
Ion Ratio Lower Upper
104 100
78 296.2 41.2 61.8#
103 280.0 43.8 65.6#



#71
Bromoform
Concen: 0.458 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion:173 Resp: 1647
Ion Ratio Lower Upper
173 100
175 919.7 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

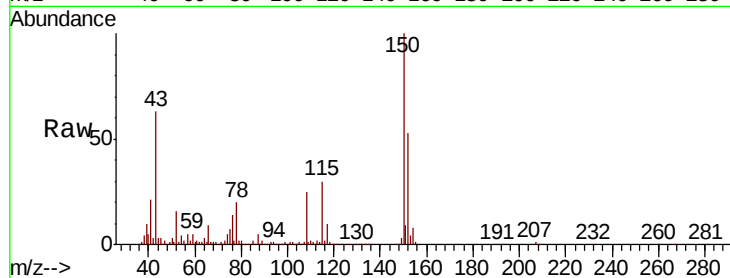
Tot Ion:152 Resp: 292914

Ion Ratio Lower Upper

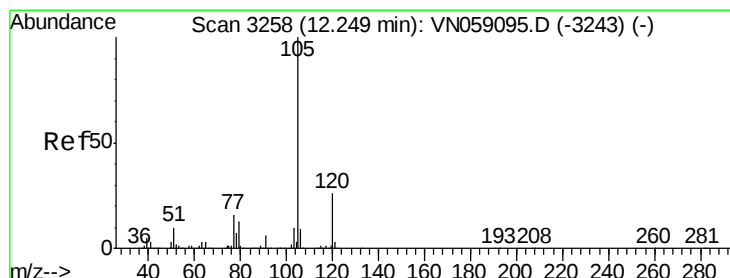
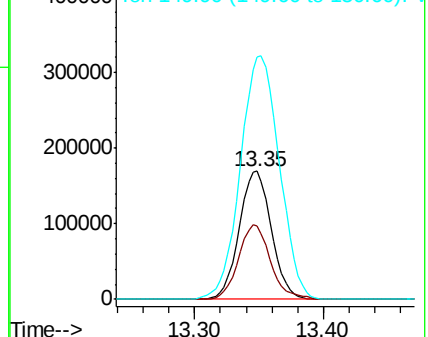
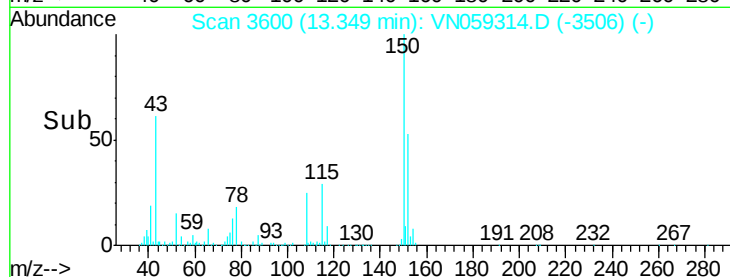
152 100

115 57.1 29.4 88.2

150 230.8 0.0 345.8



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



#73

Isopropylbenzene

Concen: 0.948 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059314.D

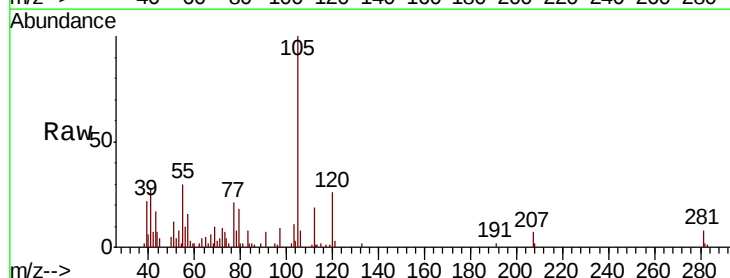
Acq: 19 Nov 2019 18:42

Tgt Ion:105 Resp: 20197

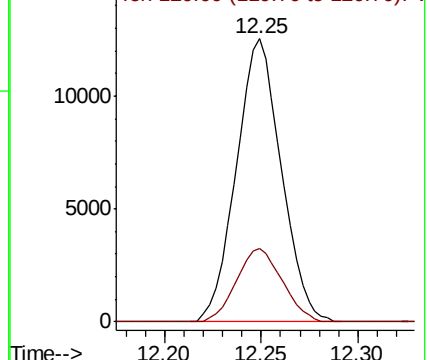
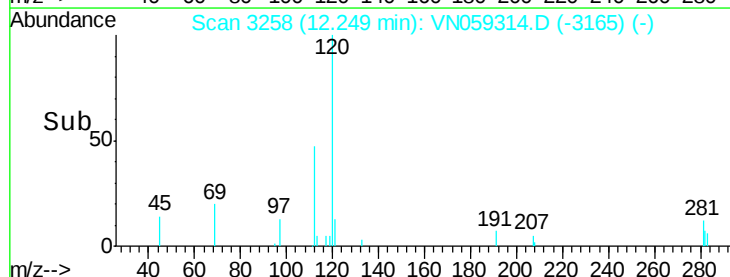
Ion Ratio Lower Upper

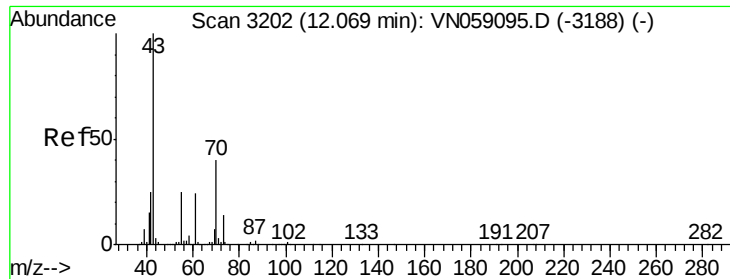
105 100

120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.316 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.06 min

Lab File: VN059314.D

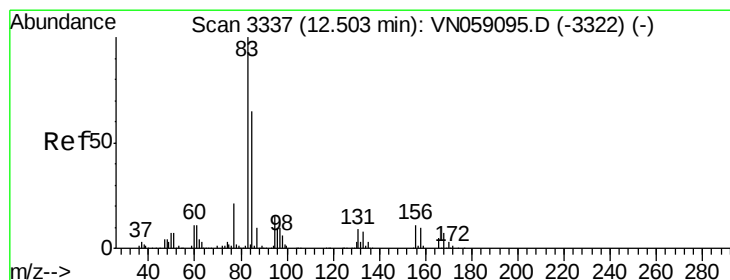
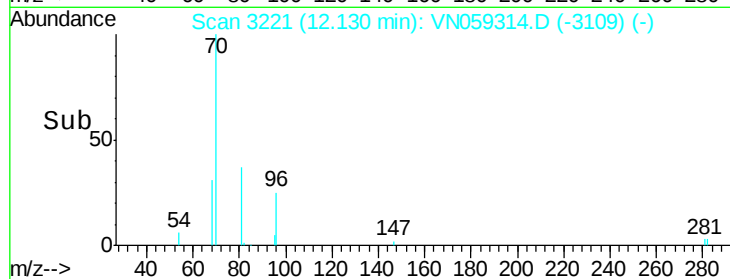
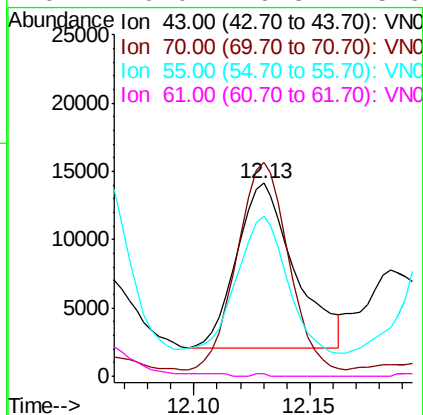
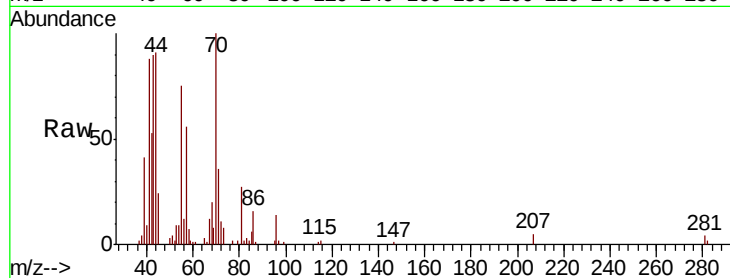
Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	20914
Ion	Ratio	Lower	Upper
43	100		
70	111.3	32.2	48.4#
55	0.0	20.4	30.6#
61	0.0	19.3	28.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 12.909 ug/l

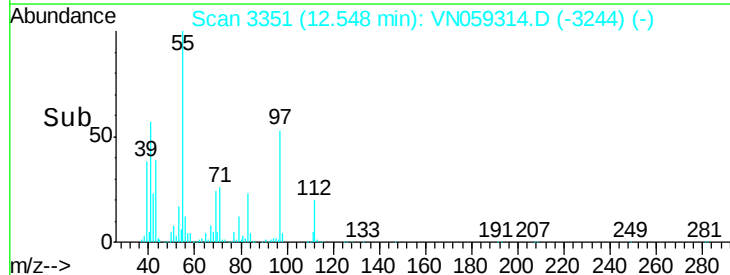
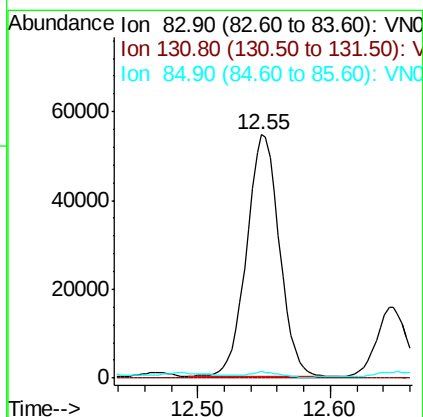
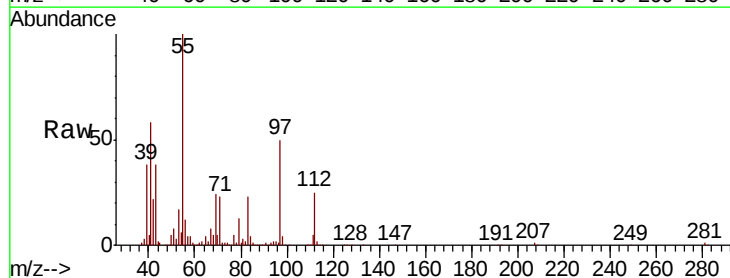
RT: 12.55 min Scan# 3351

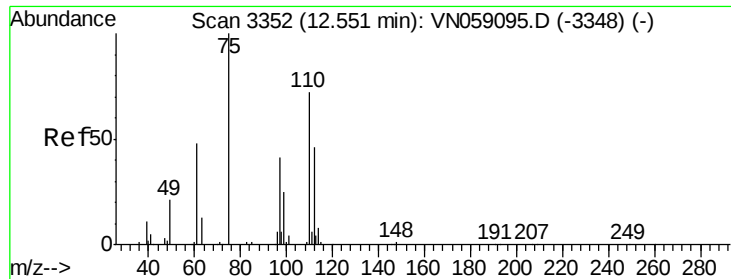
Delta R.T. 0.04 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Tgt Ion:	83	Resp:	93664
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.4	97.2#





#76

1,2,3-Trichloropropane

Concen: 22.747 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

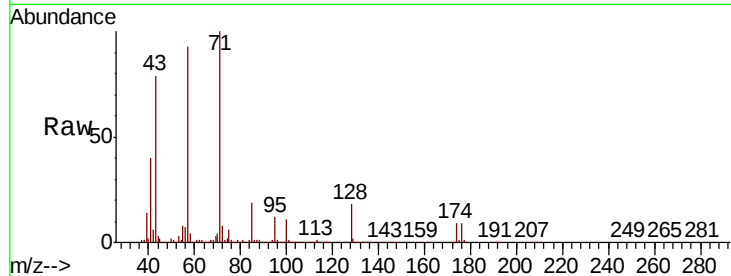
ClientSampled :

Tot Ion: 75 Resp: 151691

Ion Ratio Lower Upper

75 100

77 7.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

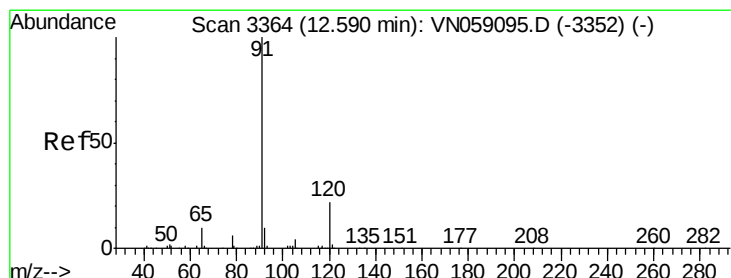
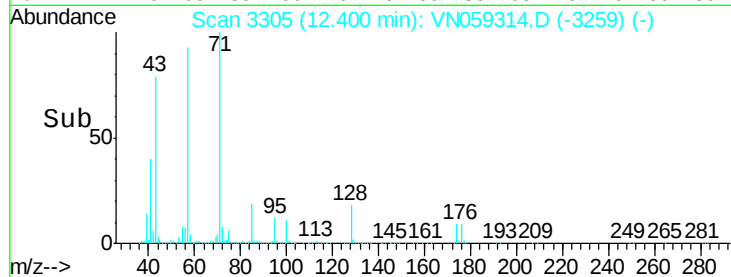
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#78

n-propylbenzene

Concen: 0.635 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059314.D

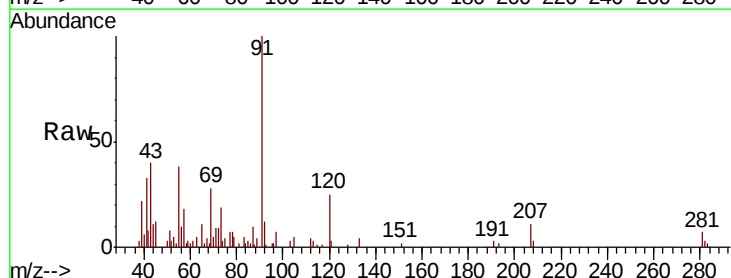
Acq: 19 Nov 2019 18:42

Tgt Ion: 91 Resp: 15497

Ion Ratio Lower Upper

91 100

120 28.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

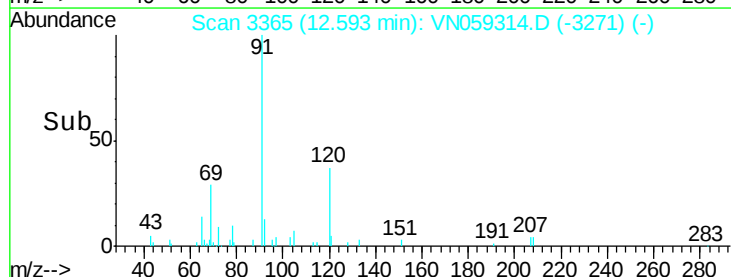
15000

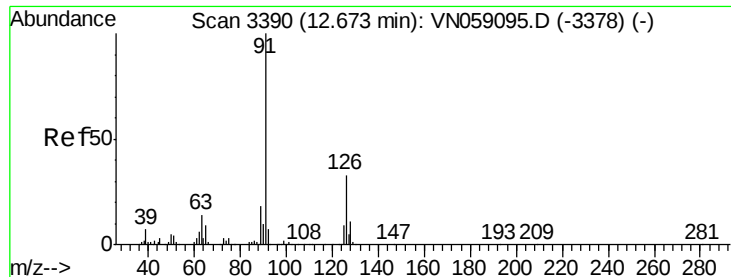
10000

5000

0

Time--> 12.55 12.60

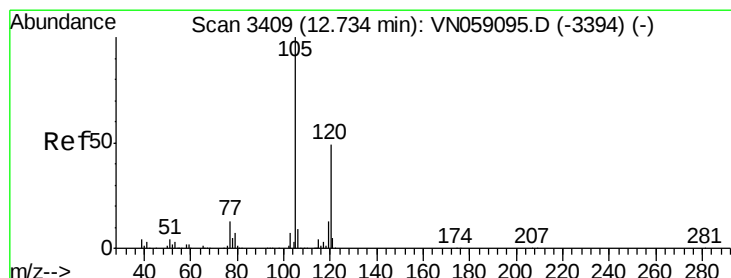
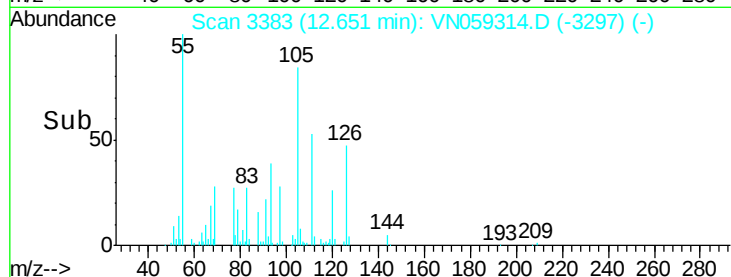
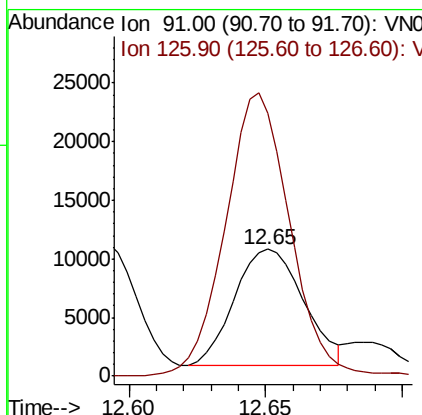
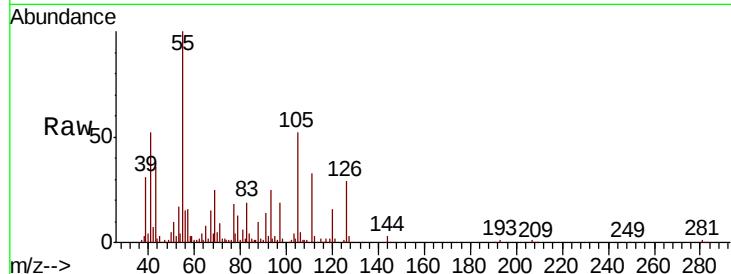




#79
 2-Chlorotoluene
 Concen: 1.153 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.02 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

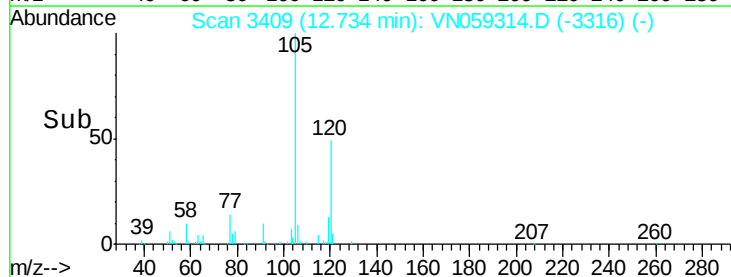
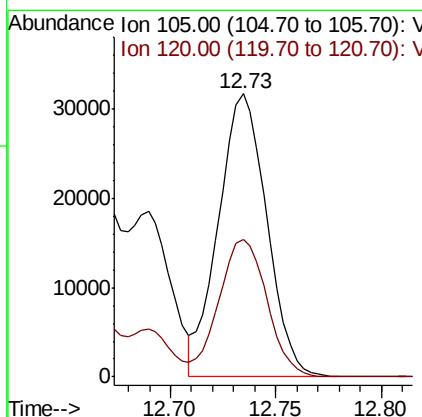
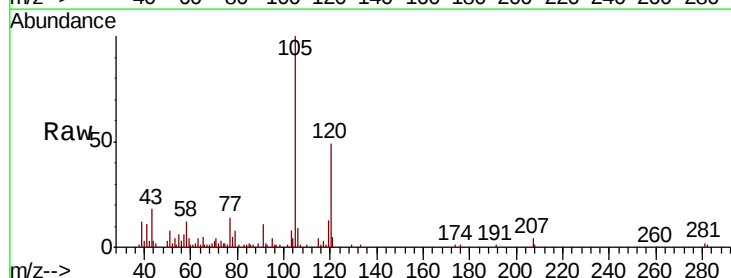
Instrument :
 MSVOA_N
 ClientSampleId :

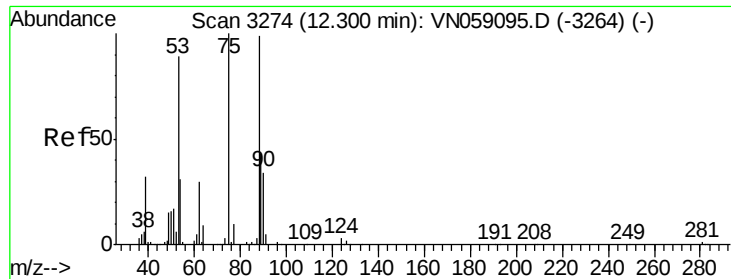
Tot Ion: 91 Resp: 17453
 Ion Ratio Lower Upper
 91 100
 126 227.4 16.7 50.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.792 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

Tgt Ion: 105 Resp: 50413
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.0 72.0

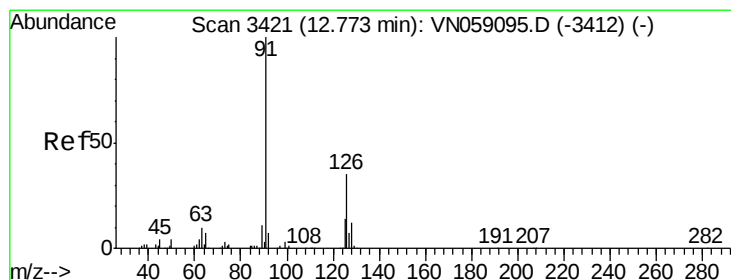
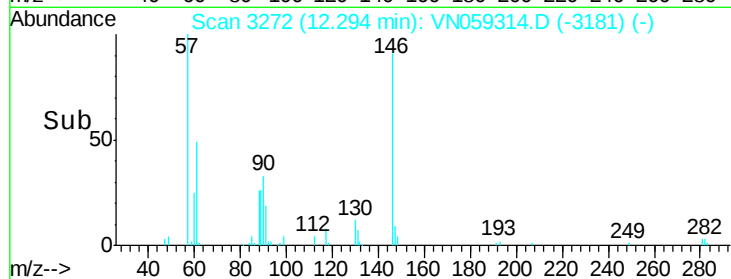
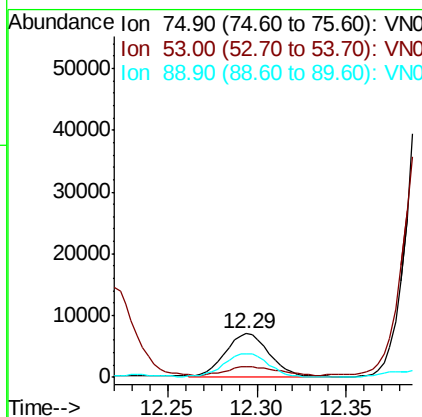
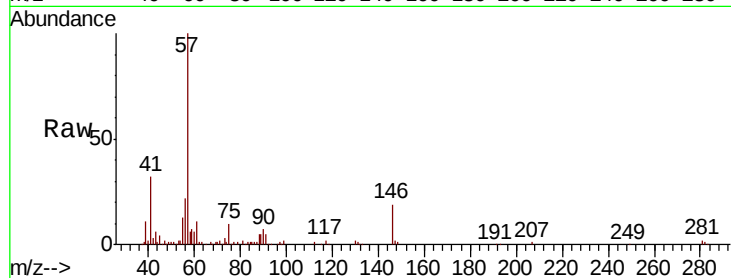




#81
trans-1,4-Dichloro-2-butene
Concen: 4.923 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.01 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

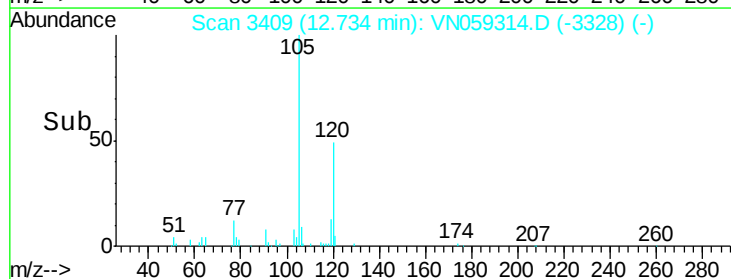
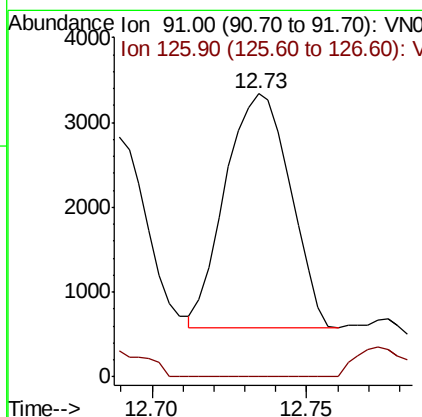
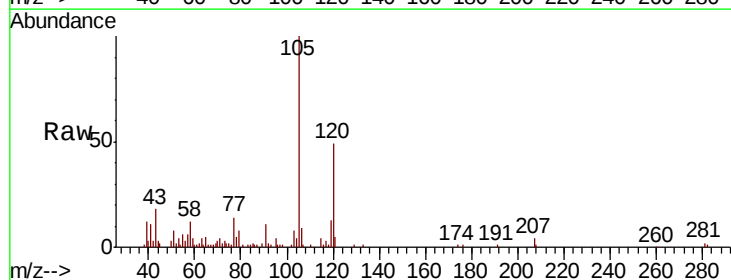
Instrument :
MSVOA_N
ClientSampled :

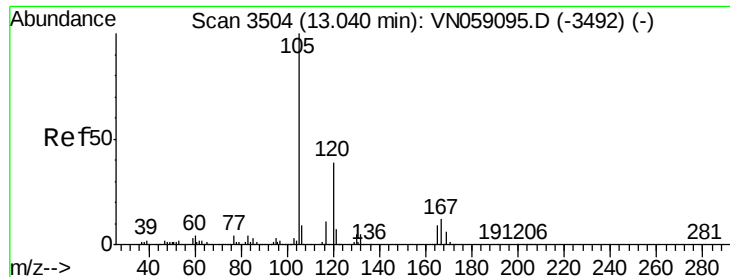
Tot Ion: 75 Resp: 12429
Ion Ratio Lower Upper
75 100
53 21.6 72.2 108.2#
89 54.6 35.8 53.8#



#82
4-Chlorotoluene
Concen: 0.265 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 91 Resp: 4016
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.2#





#84

1,2,4-Trimethylbenzene

Concen: 11.400 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059314.D

Acq: 19 Nov 2019 18:42

Instrument :

MSVOA_N

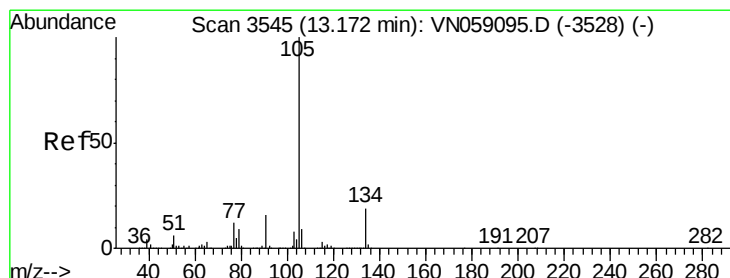
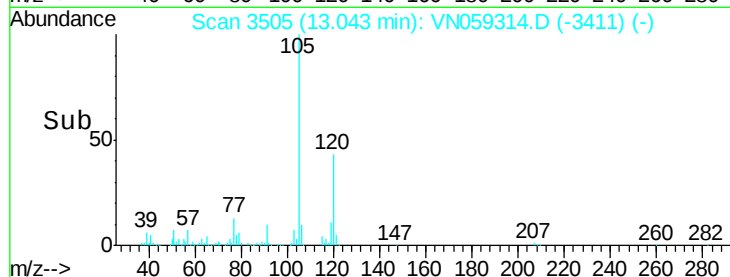
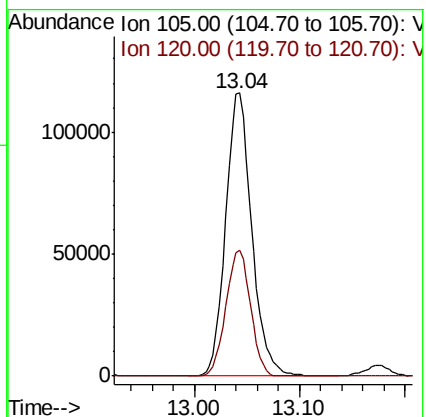
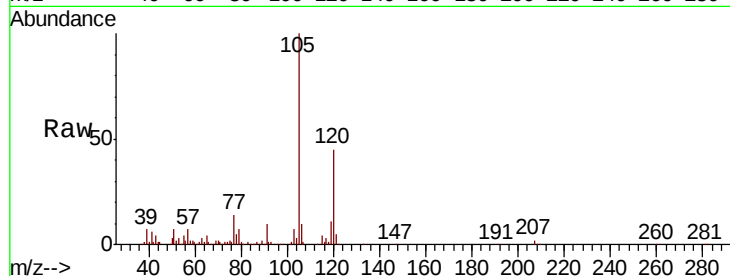
ClientSampleId :

Tot Ion:105 Resp: 199120

Ion Ratio Lower Upper

105 100

120 41.6 22.8 68.4



#85

sec-Butylbenzene

Concen: 0.358 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059314.D

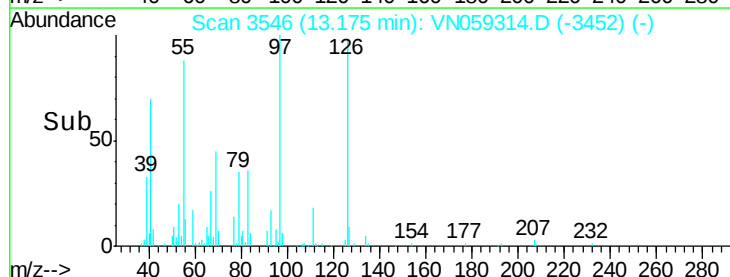
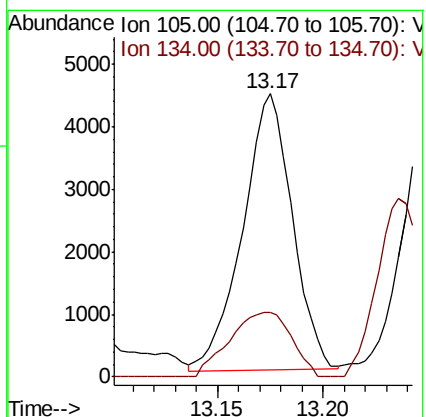
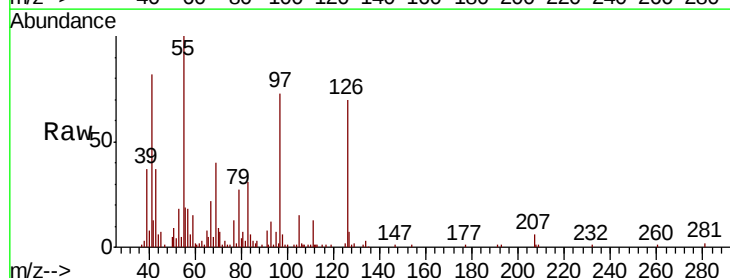
Acq: 19 Nov 2019 18:42

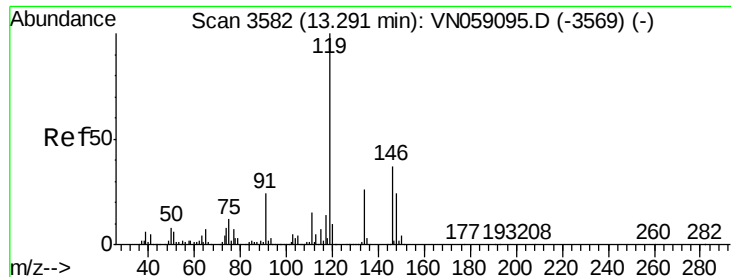
Tgt Ion:105 Resp: 7254

Ion Ratio Lower Upper

105 100

134 28.9 9.7 29.1

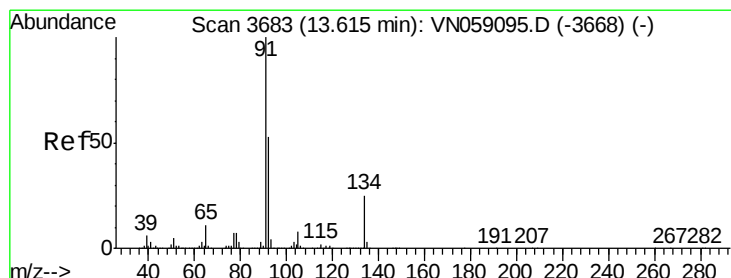
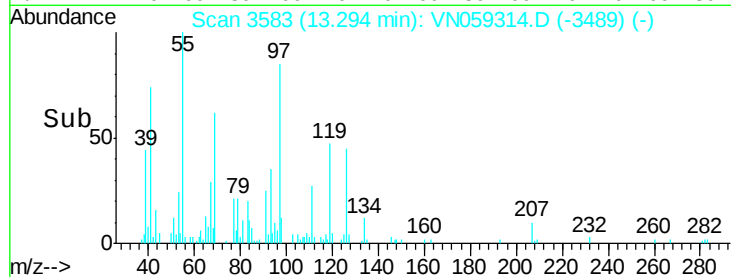
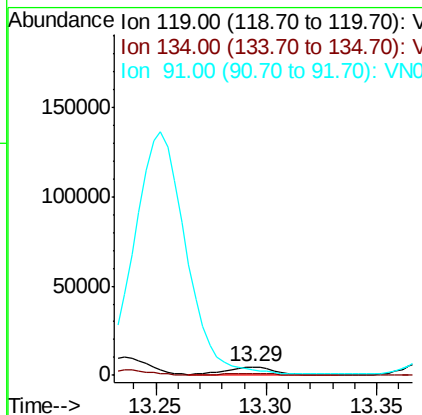
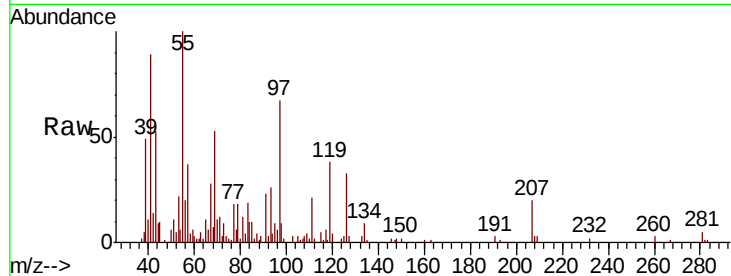




#86
p-Isopropyltoluene
Concen: 0.426 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

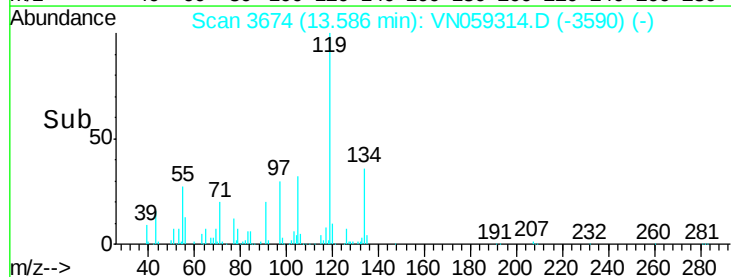
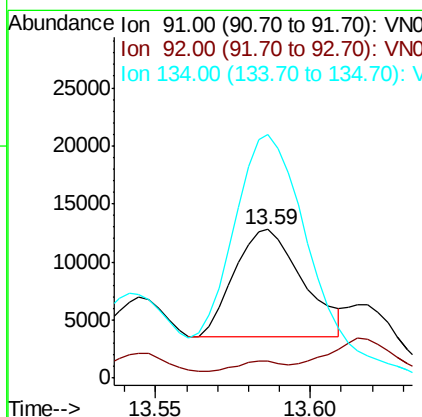
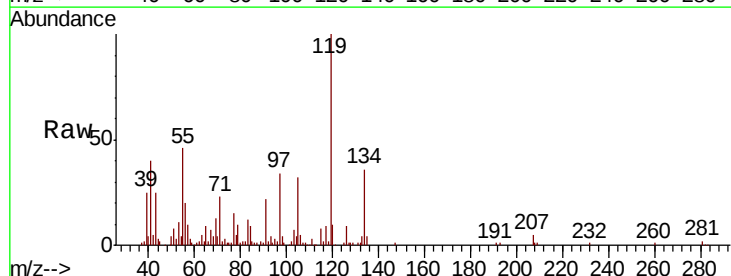
Instrument :
MSVOA_N
ClientSampled :

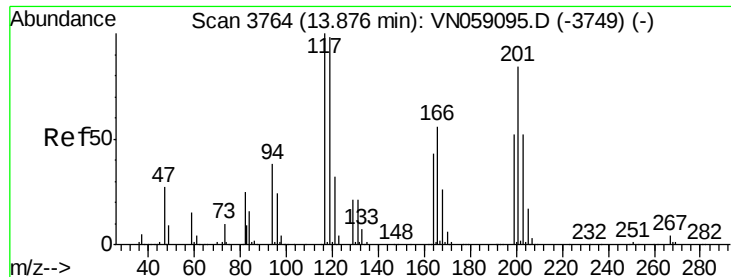
Tot Ion:119 Resp: 7624
Ion Ratio Lower Upper
119 100
134 26.0 13.0 38.9
91 0.0 11.7 35.1#



#89
n-Butylbenzene
Concen: 0.916 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.03 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 91 Resp: 14353
Ion Ratio Lower Upper
91 100
92 13.4 26.1 78.3#
134 260.2 12.6 37.8#

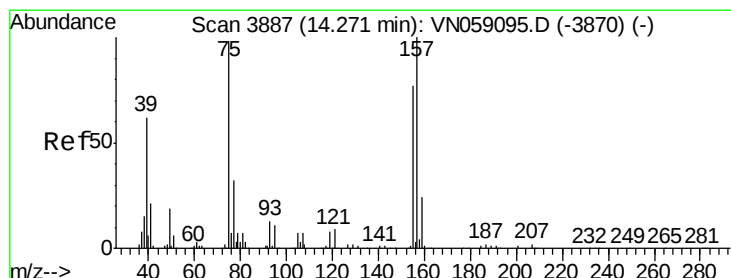
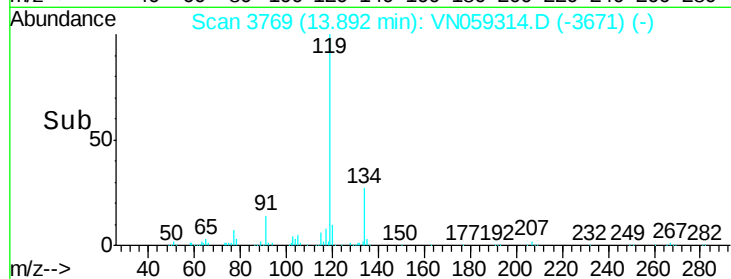
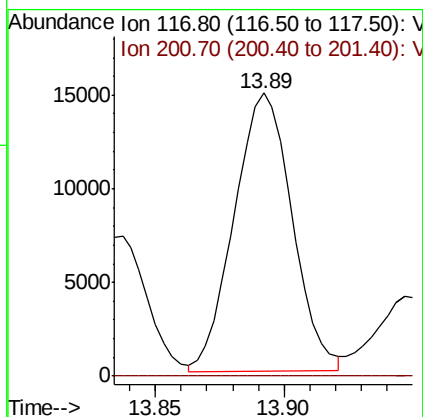
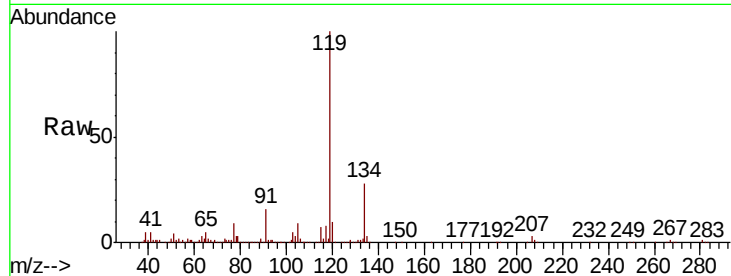




#90
Hexachloroethane
Concen: 6.438 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

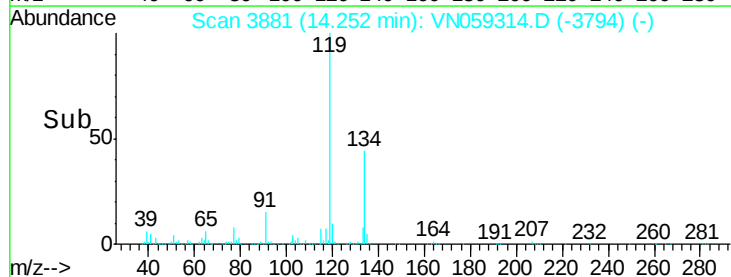
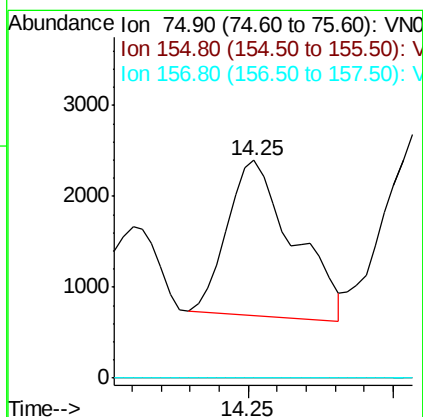
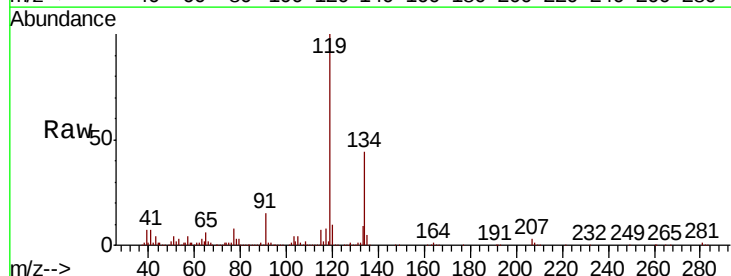
Instrument :
MSVOA_N
ClientSampleId :

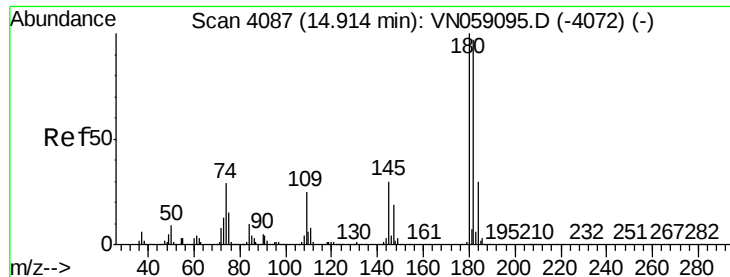
Tot Ion:117 Resp: 23147
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.906 ug/l
RT: 14.25 min Scan# 3881
Delta R.T. -0.02 min
Lab File: VN059314.D
Acq: 19 Nov 2019 18:42

Tgt Ion: 75 Resp: 2723
Ion Ratio Lower Upper
75 100
155 0.0 40.2 120.6#
157 0.0 51.8 155.5#

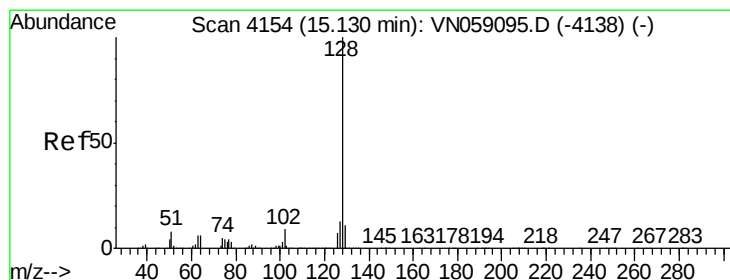
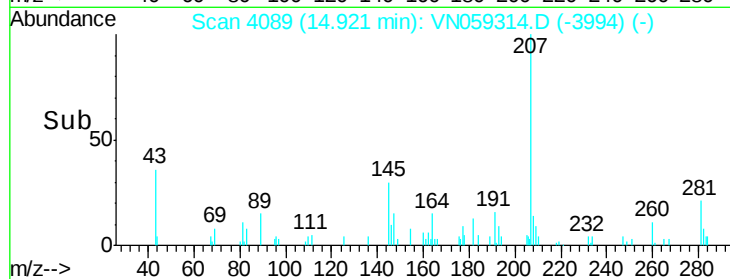
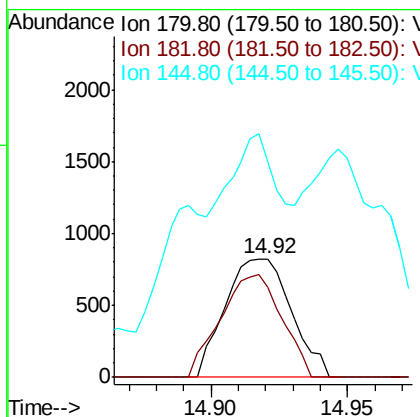
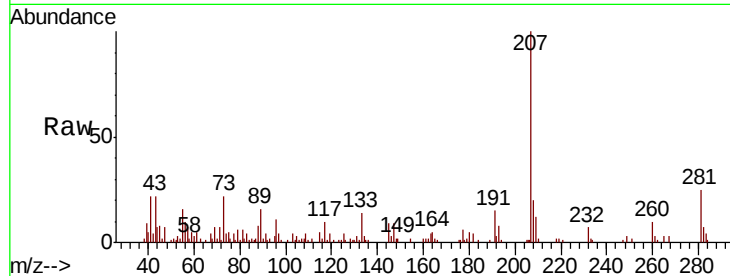




#93
 1,2,4-Trichlorobenzene
 Concen: 3.285 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

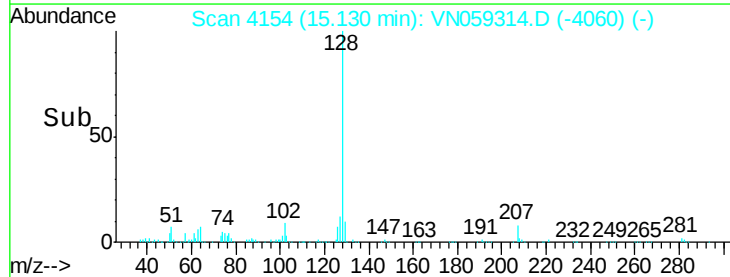
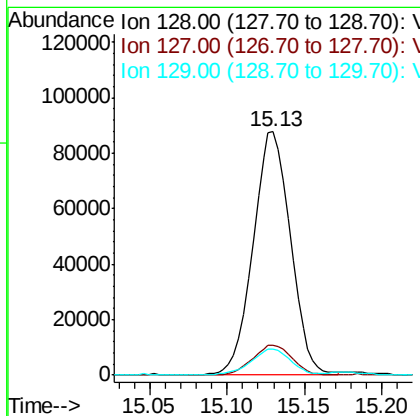
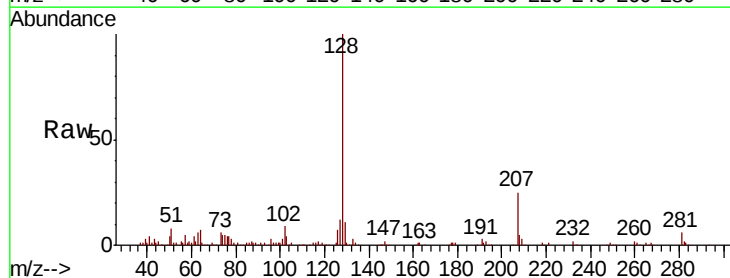
Instrument :
 MSVOA_N
 ClientSampled :

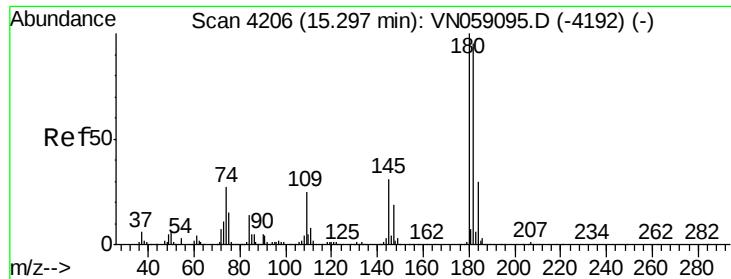
Tot Ion:180 Resp: 1388
 Ion Ratio Lower Upper
 180 100
 182 79.8 48.1 144.3
 145 0.0 15.1 45.3#



#95
 Naphthalene
 Concen: 12.198 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

Tgt Ion:128 Resp: 147950
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.2 15.2
 129 11.7 8.6 12.8

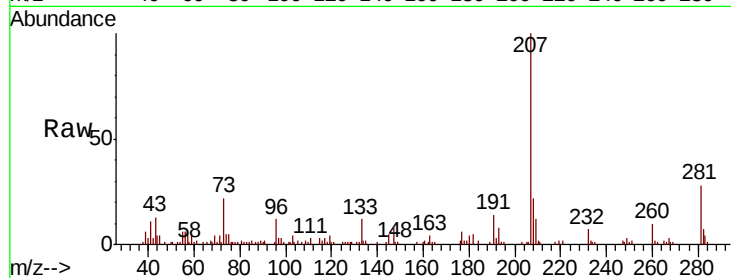




#96
 1,2,3-Trichlorobenzene
 Concen: 0.358 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059314.D
 Acq: 19 Nov 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	149.7	47.3	141.8#
145	30.0	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

