

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059472.D
 Acq On : 3 Dec 2019 15:51
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 16:43:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	327624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	522338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	451466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	181649	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	160696	39.48	ug/l	0.00
Spiked Amount						
			Recovery	=	78.96%	
35) Dibromofluoromethane	7.57	113	123351	37.92	ug/l	0.00
Spiked Amount						
			Recovery	=	75.84%	
50) Toluene-d8	10.08	98	474924	37.03	ug/l	0.00
Spiked Amount						
			Recovery	=	74.06%	
62) 4-Bromofluorobenzene	12.40	95	155217	34.65	ug/l	0.00
Spiked Amount						
			Recovery	=	69.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1171	0.240	ug/l #	69
5) Bromomethane	2.54	94	868	0.487	ug/l #	59
11) Tert butyl alcohol	4.75	59	365	0.476	ug/l #	73
13) Acrolein	3.59	56	1166	1.752	ug/l	96
15) Acrylonitrile	4.98	53	2191	1.056	ug/l #	67
16) Acetone	3.80	43	15057	1.450	ug/l	98
17) Carbon Disulfide	4.03	76	8880	0.766	ug/l #	94
18) Methyl Acetate	4.31	43	1827	0.333	ug/l #	53
20) Methylene Chloride	4.52	84	2057	Below Cal	#	84
23) Vinyl Acetate	5.88	43	2291	0.229	ug/l #	73
25) 2-Butanone	6.81	43	1985	0.642	ug/l	96
28) Bromochloromethane	7.17	49	297	0.692	ug/l #	28
29) Tetrahydrofuran	7.19	42	1912	0.983	ug/l #	81
31) Cyclohexane	7.64	56	6640	0.968	ug/l #	1
38) Carbon Tetrachloride	7.64	117	30896	5.910	ug/l #	16
44) Trichloroethene	8.82	130	910	0.219	ug/l	79
49) 1,4-Dioxane	9.19	88	292	4.737	ug/l #	47
51) 4-Methyl-2-Pentanone	9.98	43	6220	1.160	ug/l	93
56) Ethyl methacrylate	10.42	69	606	1.548	ug/l #	48
58) 2-Chloroethyl Vinyl ether	9.69	63	1107	16.298	ug/l #	62
59) 2-Hexanone	10.75	43	6618	1.641	ug/l	90
64) Tetrachloroethene	10.63	164	948	0.247	ug/l	92
65) Chlorobenzene	11.43	112	2744	0.278	ug/l	95
68) m/p-Xylenes	11.62	106	2411	0.374	ug/l	100
70) Styrene	11.96	104	2493	0.255	ug/l	92
71) Bromoform	12.13	173	585	0.212	ug/l #	28
74) N-amyl acetate	12.08	43	3166	0.540	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.51	83	1455	0.311	ug/l #	92
76) 1,2,3-Trichloropropane	12.55	75	2527	0.559	ug/l #	100
77) Bromobenzene	12.52	156	924	0.254	ug/l #	1
78) n-propylbenzene	12.59	91	4745	0.280	ug/l	94
79) 2-Chlorotoluene	12.68	91	3163	0.310	ug/l	89
80) 1,3,5-Trimethylbenzene	12.74	105	2586	0.212	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	76202	44.277	ug/l #	15

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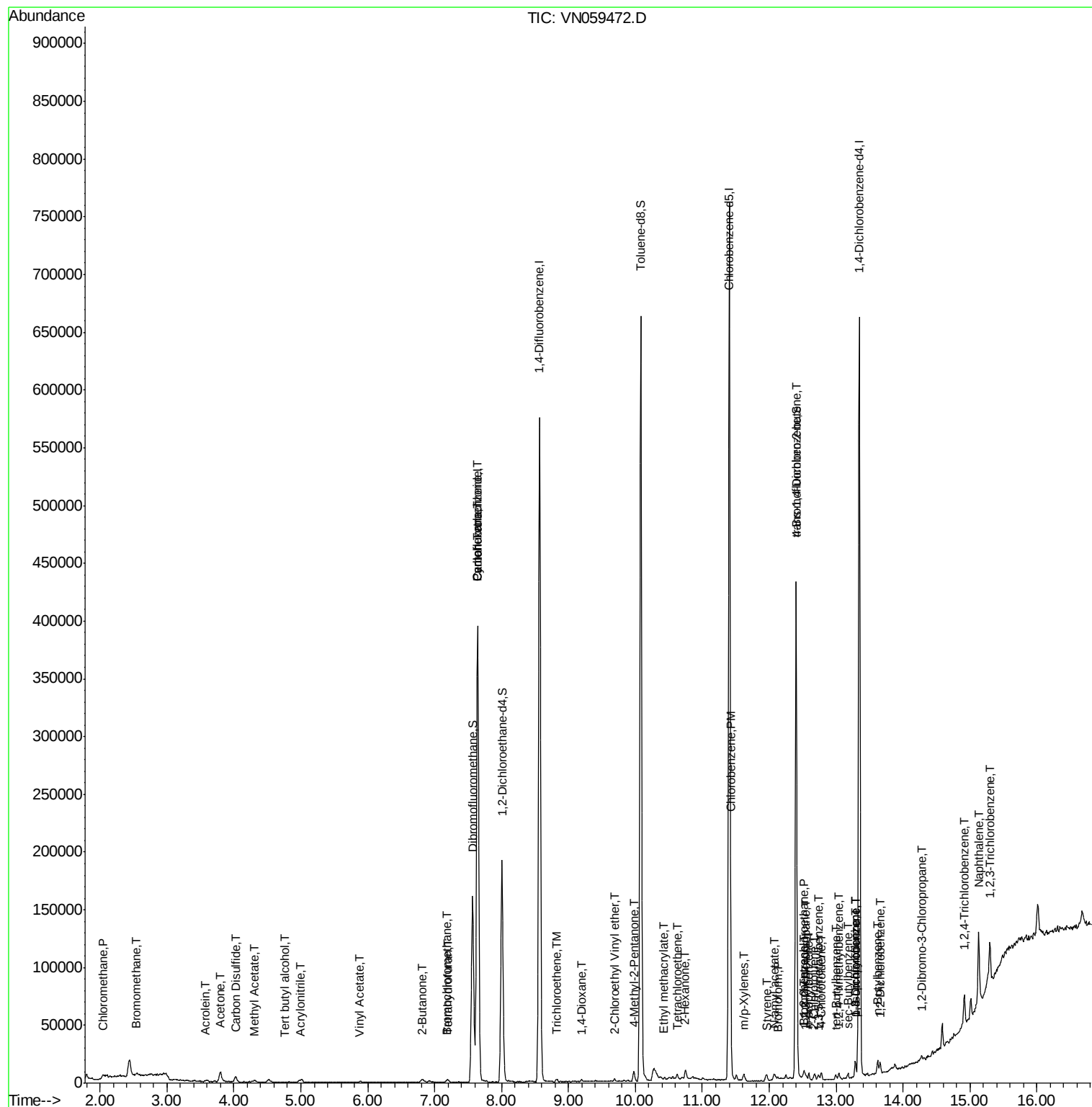
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.78	91	4936	0.468	ug/l	97
83) tert-Butylbenzene	13.00	119	2441	0.231	ug/l	90
84) 1,2,4-Trimethylbenzene	13.04	105	3221	0.271	ug/l	98
85) sec-Butylbenzene	13.17	105	3560	0.254	ug/l	96
86) p-Isopropyltoluene	13.29	119	4006	0.319	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	3832	0.597	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	3832	0.592	ug/l	95
89) n-Butylbenzene	13.62	91	7114	0.633	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	4097	0.666	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1208	1.125	ug/l	72
93) 1,2,4-Trichlorobenzene	14.91	180	9338	2.486	ug/l	95
94) Hexachlorobutadiene	15.01	225	2878	Below Cal		97
95) Naphthalene	15.13	128	50809	7.099	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	12170	5.064	ug/l	94

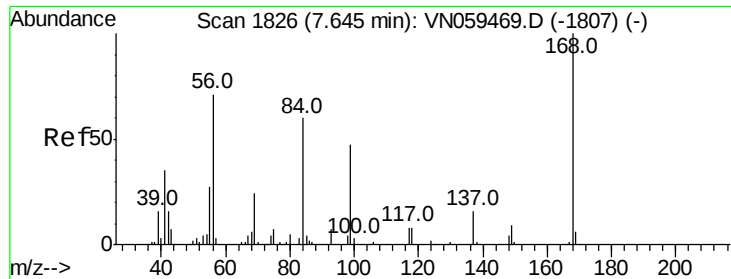
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

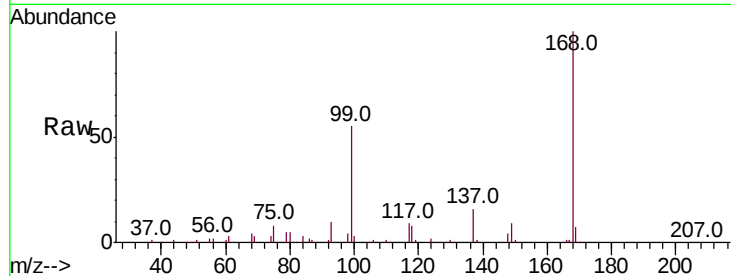
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 327624

Ion Ratio Lower Upper

168 100

99 55.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

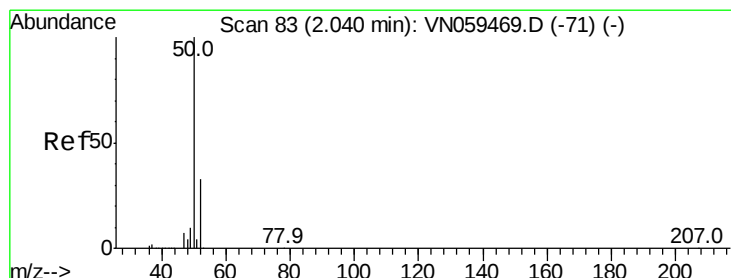
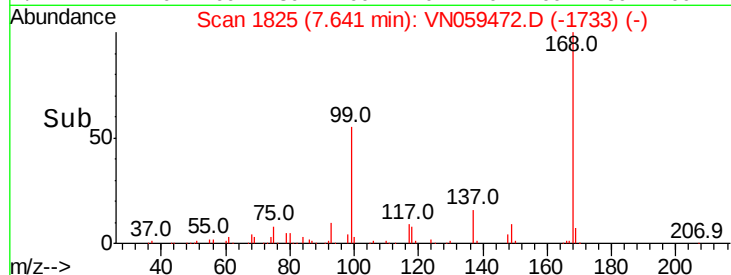
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.240 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059472.D

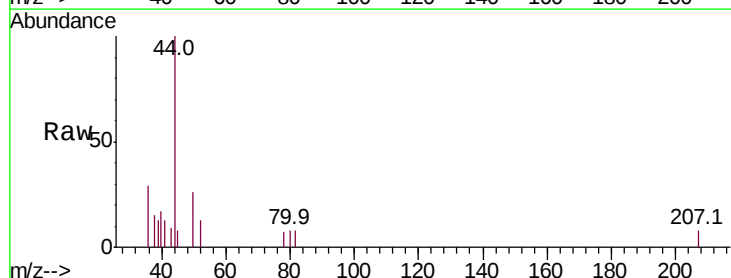
Acq: 3 Dec 2019 15:51

Tgt Ion: 50 Resp: 1171

Ion Ratio Lower Upper

50 100

52 50.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

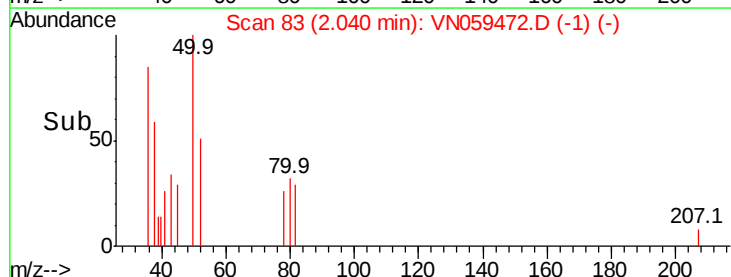
600

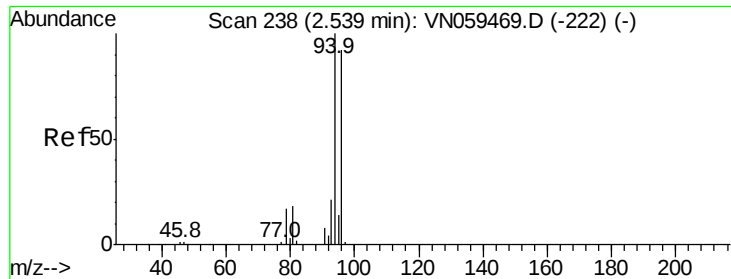
400

200

0

Time-->





#5

Bromomethane

Concen: 0.487 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

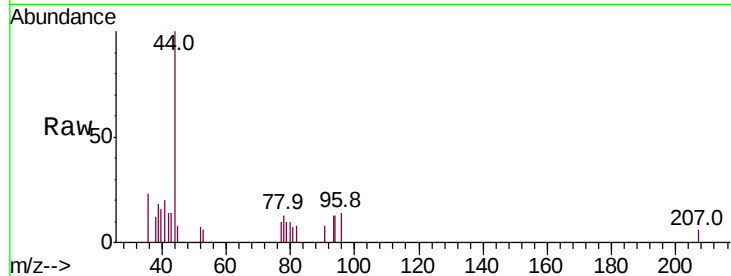
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 868

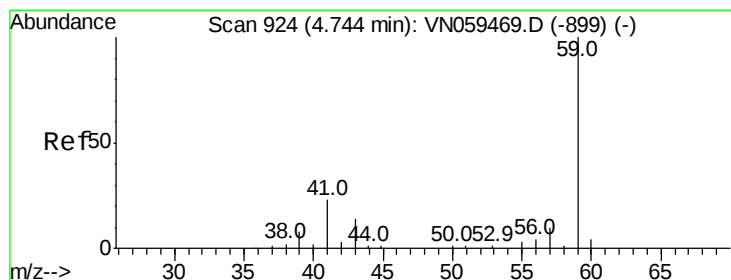
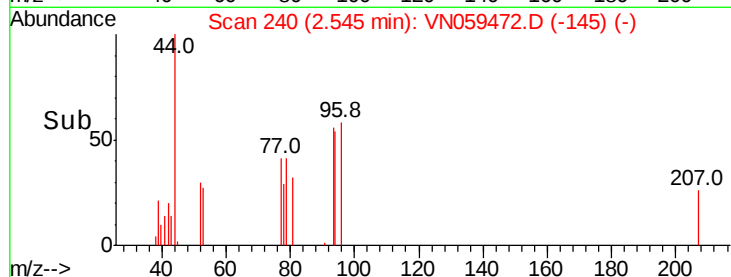
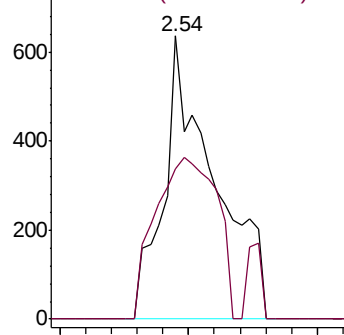
Ion Ratio Lower Upper

94 100

96 53.1 73.5 110.3#



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.476 ug/l

RT: 4.75 min Scan# 926

Delta R.T. 0.01 min

Lab File: VN059472.D

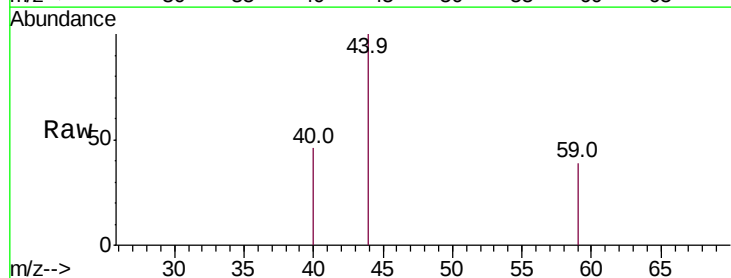
Acq: 3 Dec 2019 15:51

Tgt Ion: 59 Resp: 365

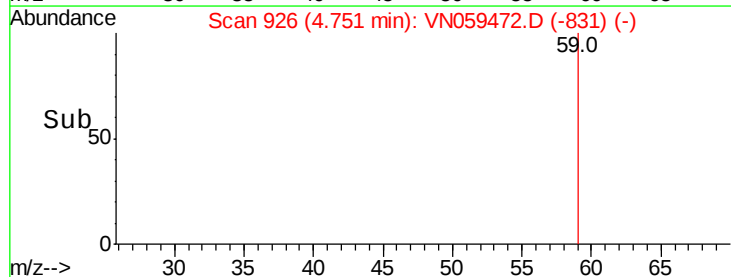
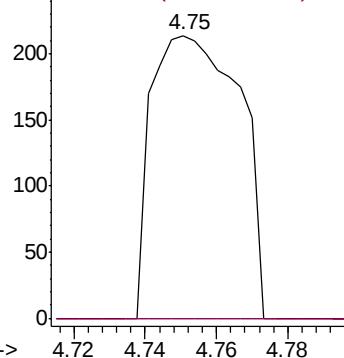
Ion Ratio Lower Upper

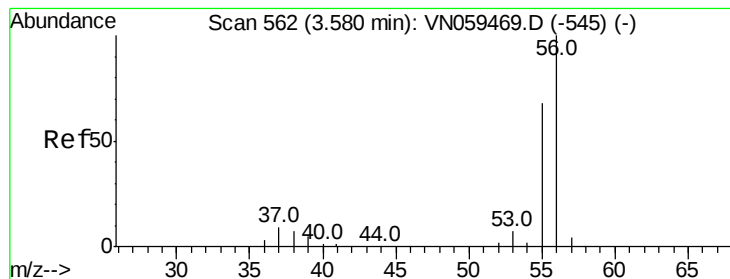
59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 1.752 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

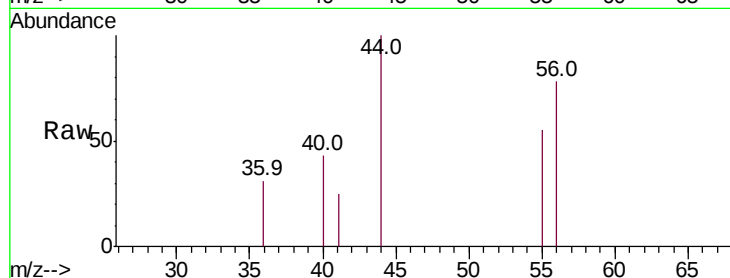
ClientSampled :

Tot Ion: 56 Resp: 1166

Ion Ratio Lower Upper

56 100

55 67.2 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

600

500

400

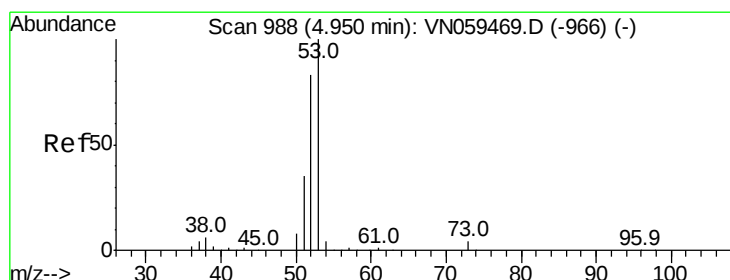
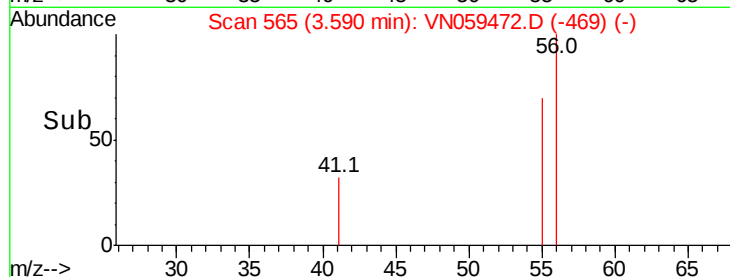
300

200

100

0

Time-->



#15

Acrylonitrile

Concen: 1.056 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.03 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

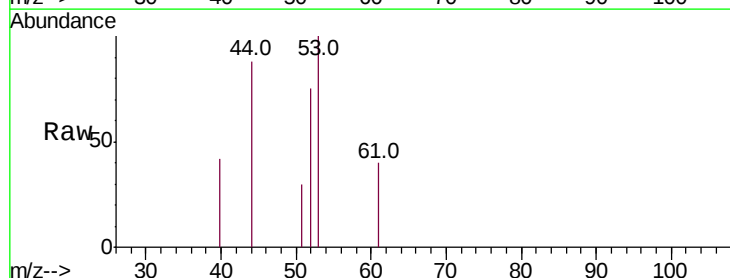
Tgt Ion: 53 Resp: 2191

Ion Ratio Lower Upper

53 100

52 48.8 65.5 98.3#

51 22.5 28.5 42.7#



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

800

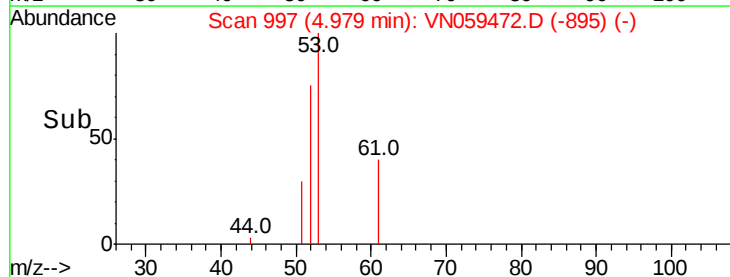
600

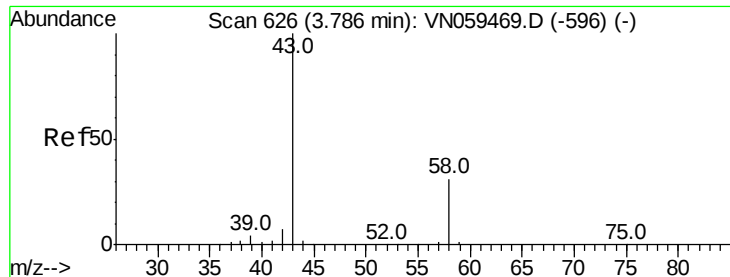
400

200

0

Time-->





#16

Acetone

Concen: 1.450 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

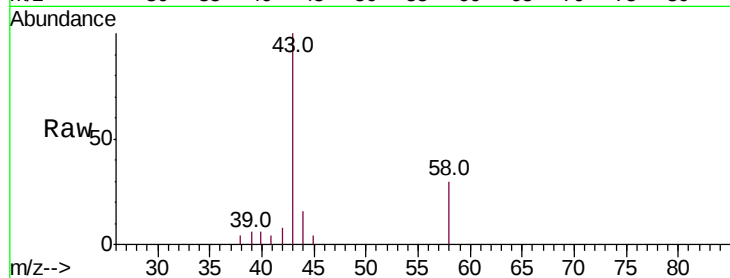
ClientSampled :

Tot Ion: 43 Resp: 15057

Ion Ratio Lower Upper

43 100

58 29.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059472.D (-630) (-)

Ion 58.00 (57.70 to 58.70): VN059472.D (-630) (-)

3.80

6000

5000

4000

3000

2000

1000

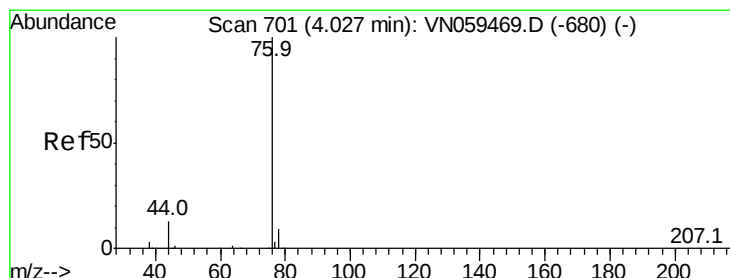
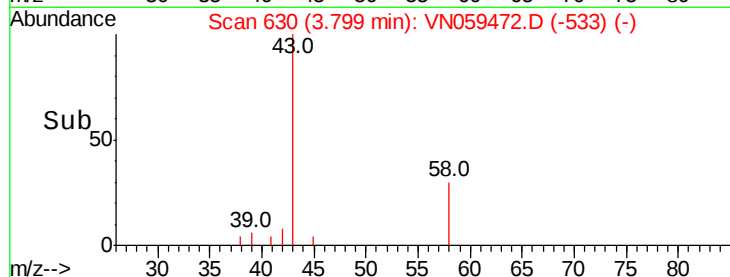
0

Time-->

3.70

3.80

3.90



#17

Carbon Disulfide

Concen: 0.766 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059472.D

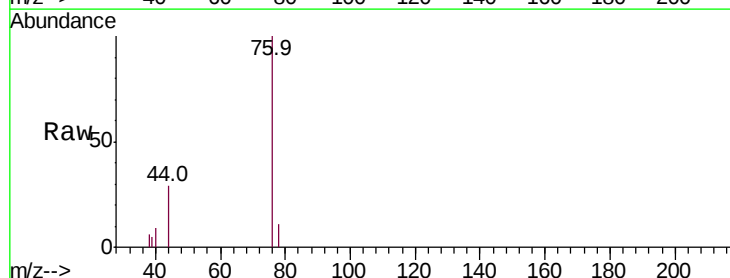
Acq: 3 Dec 2019 15:51

Tgt Ion: 76 Resp: 8880

Ion Ratio Lower Upper

76 100

78 10.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN059472.D (-701) (-)

Ion 77.90 (77.60 to 78.60): VN059472.D (-701) (-)

4.03

3000

2000

1000

0

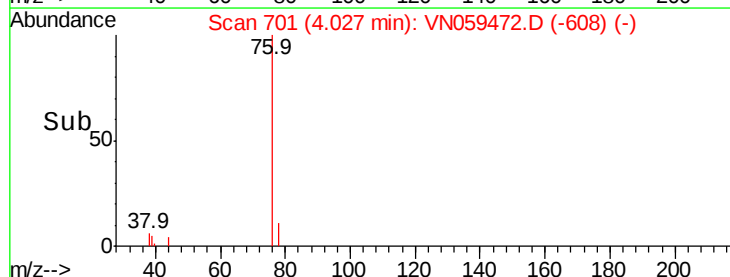
Time-->

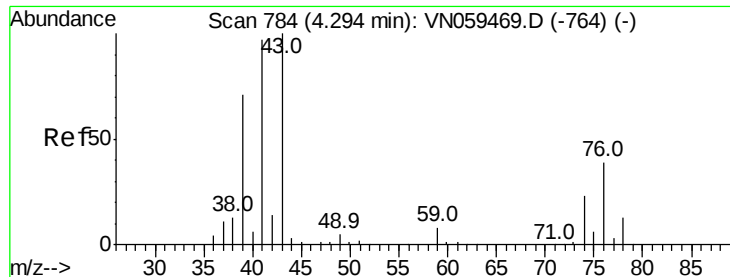
3.95

4.00

4.05

4.10





#18

Methyl Acetate

Concen: 0.333 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

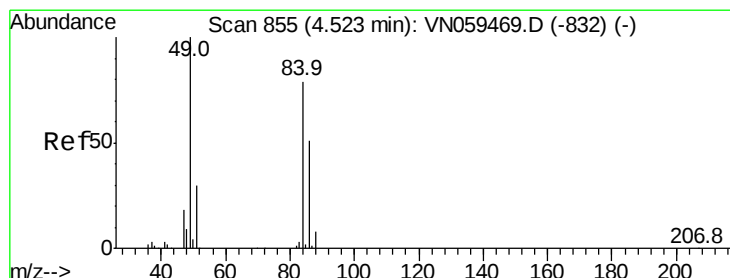
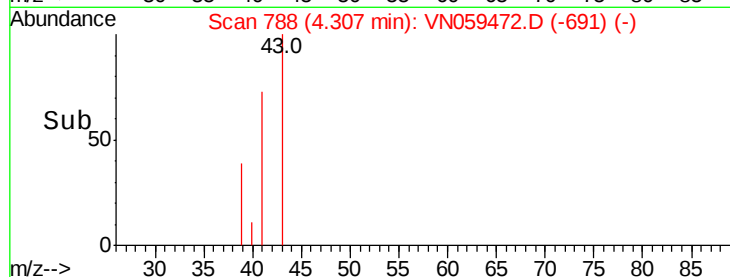
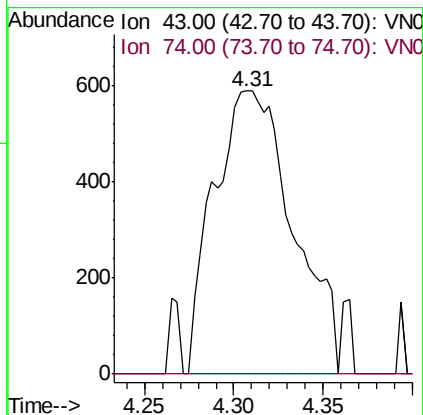
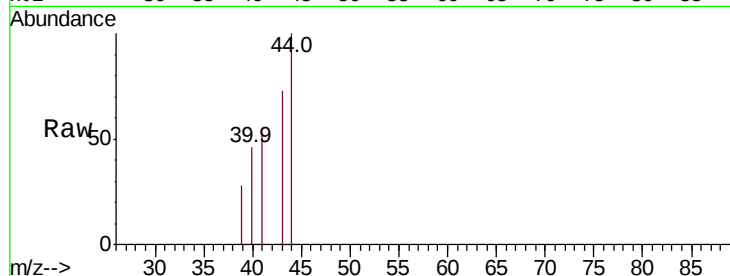
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1827

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.52 min Scan# 853

Delta R.T. -0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Tgt Ion: 84 Resp: 2057

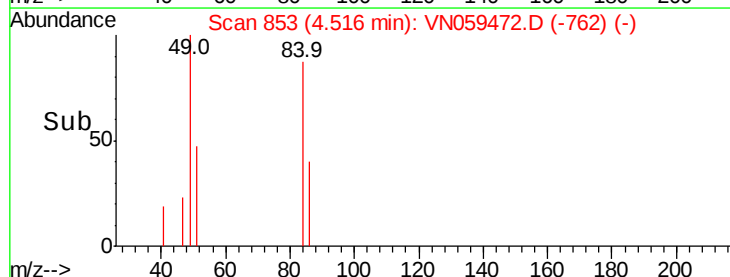
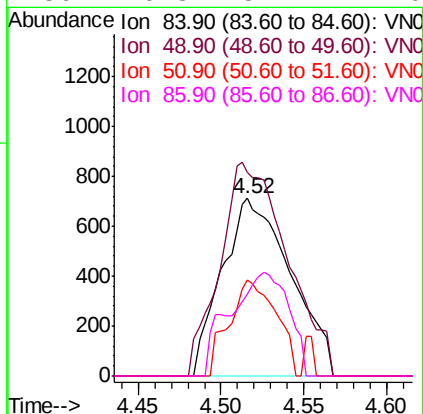
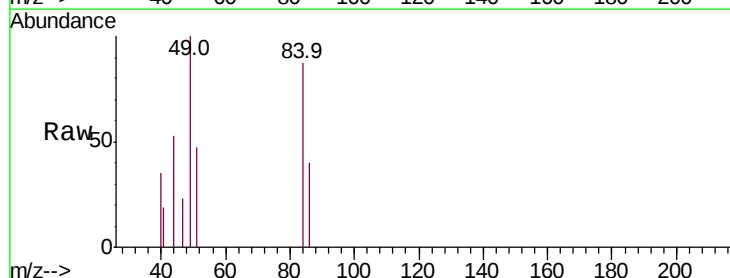
Ion Ratio Lower Upper

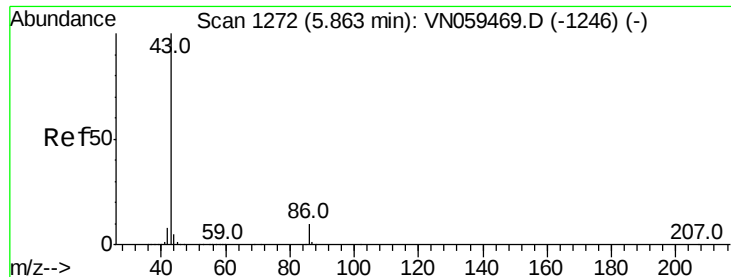
84 100

49 114.9 101.1 151.7

51 53.8 30.7 46.1#

86 46.3 51.4 77.0#





#23

Vinyl Acetate

Concen: 0.229 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.02 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

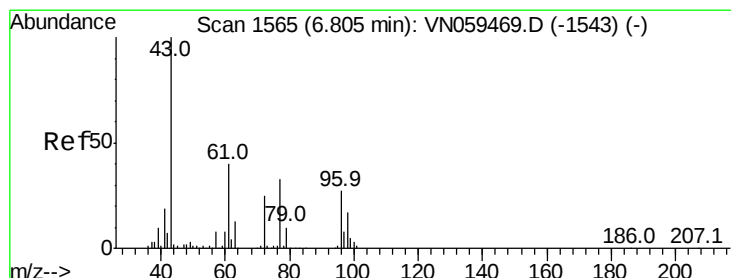
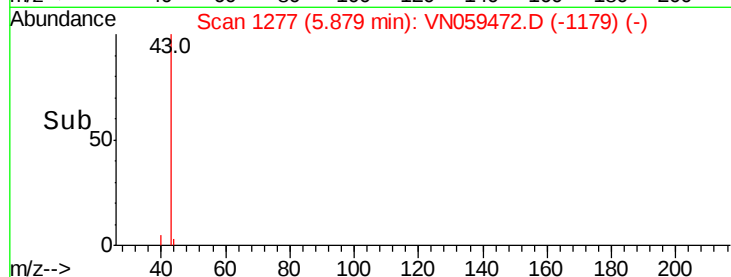
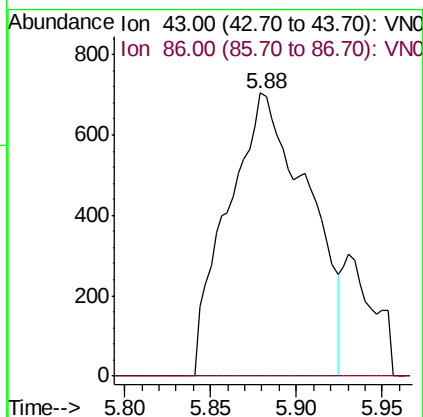
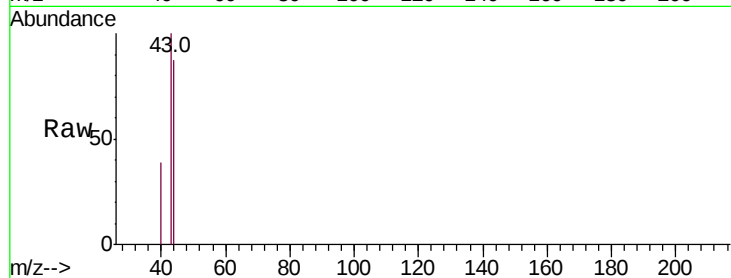
ClientSampled :

Tot Ion: 43 Resp: 2291

Ion Ratio Lower Upper

43 100

86 0.0 8.0 12.0#



#25

2-Butanone

Concen: 0.642 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN059472.D

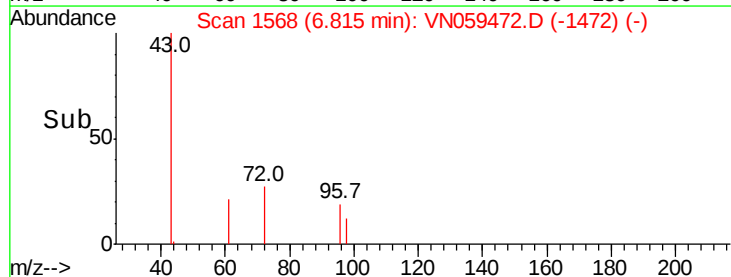
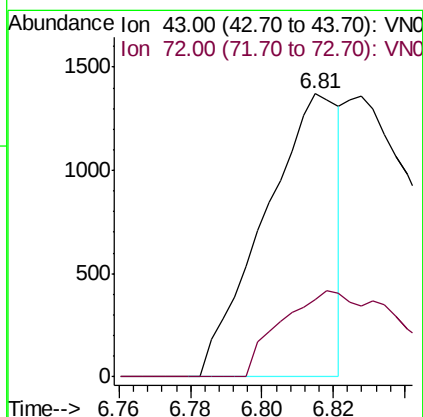
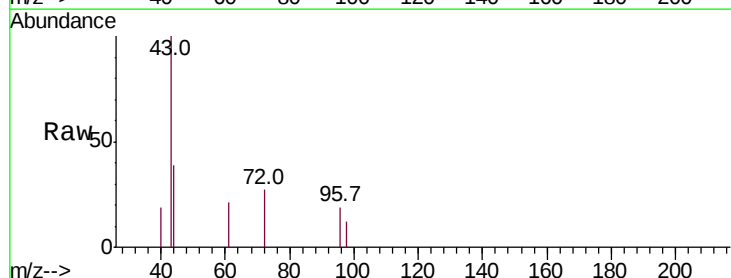
Acq: 3 Dec 2019 15:51

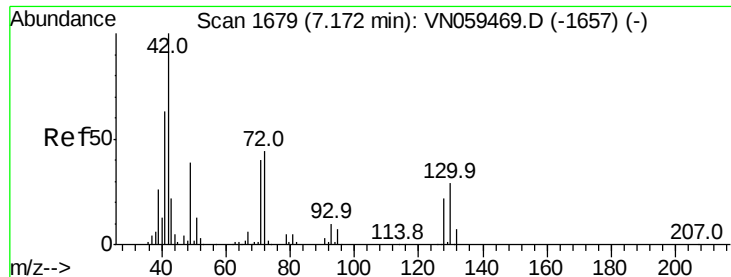
Tgt Ion: 43 Resp: 1985

Ion Ratio Lower Upper

43 100

72 27.3 20.2 30.2





#28

Bromochloromethane

Concen: 0.692 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

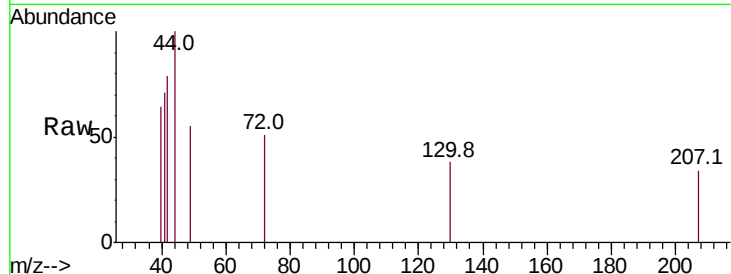
Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 49 Resp: 297

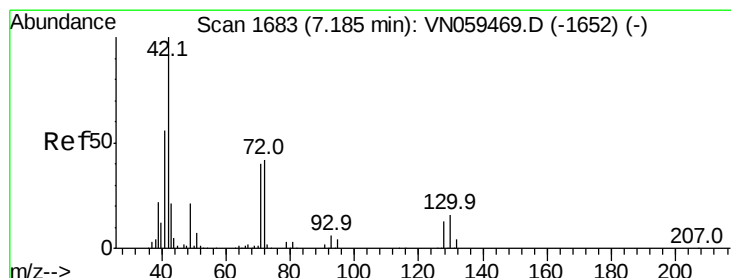
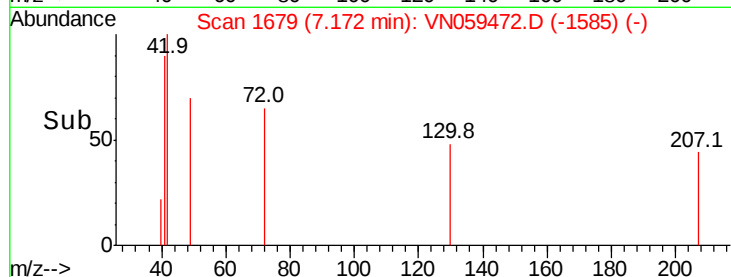
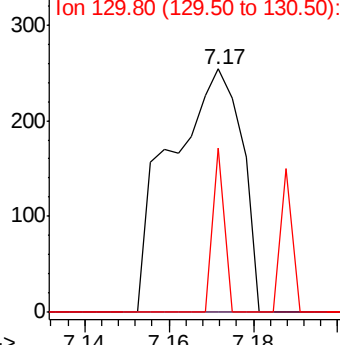
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	11.1	58.4	87.6#



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: 0.983 ug/l

RT: 7.19 min Scan# 1685

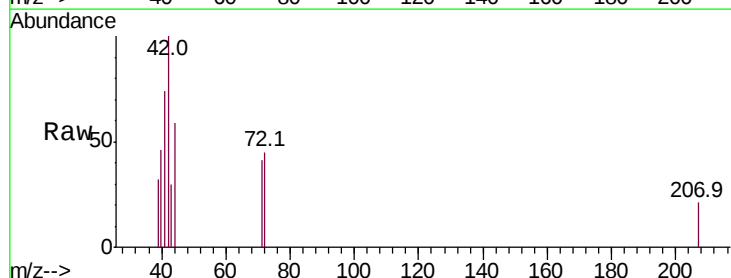
Delta R.T. 0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Tgt Ion: 42 Resp: 1912

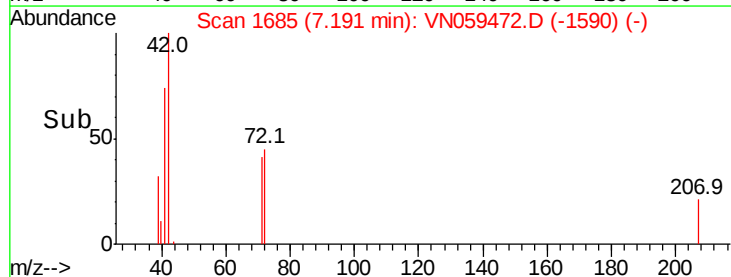
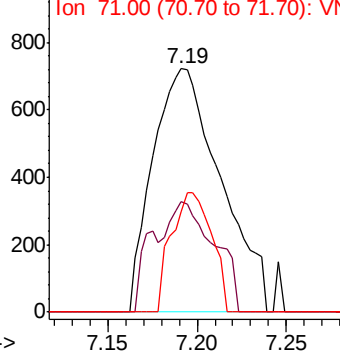
Ion	Ratio	Lower	Upper
42	100		
72	29.6	34.2	51.2#
71	29.1	32.0	48.0#

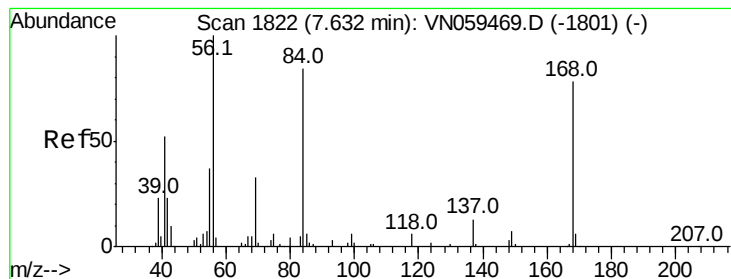


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.968 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :

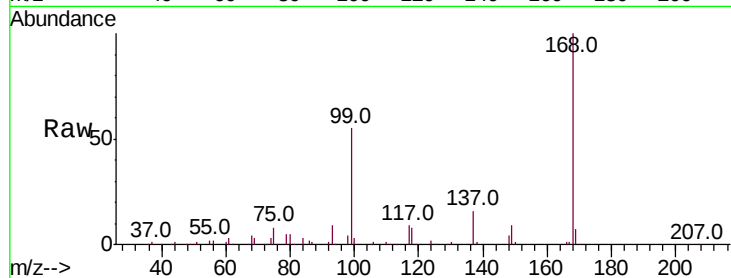
Tot Ion: 56 Resp: 6640

Ion Ratio Lower Upper

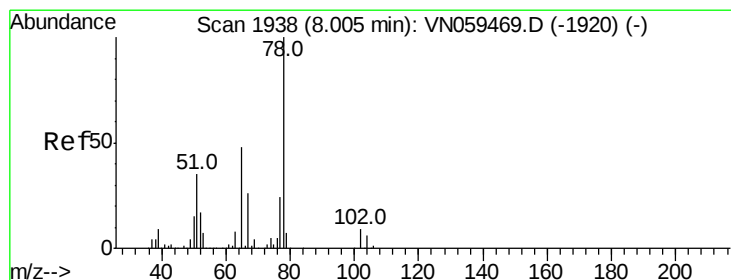
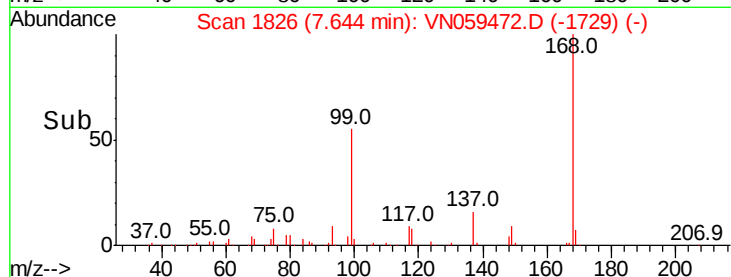
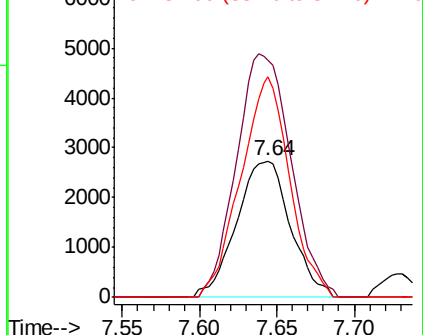
56 100

69 174.3 26.2 39.4#

84 161.6 66.8 100.2#



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



#33

1,2-Dichloroethane-d4

Concen: 39.483 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059472.D

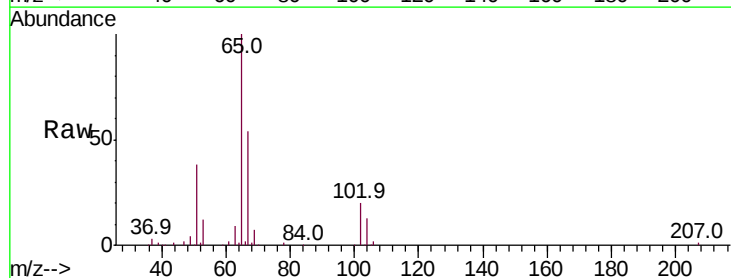
Acq: 3 Dec 2019 15:51

Tgt Ion: 65 Resp: 160696

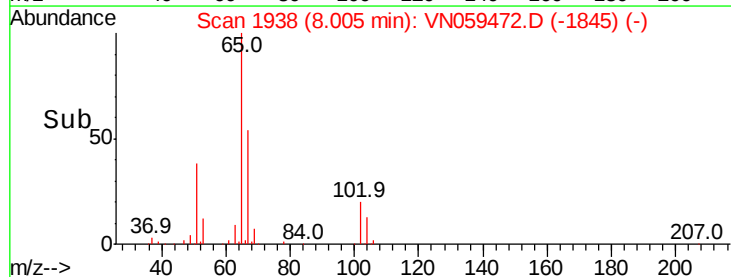
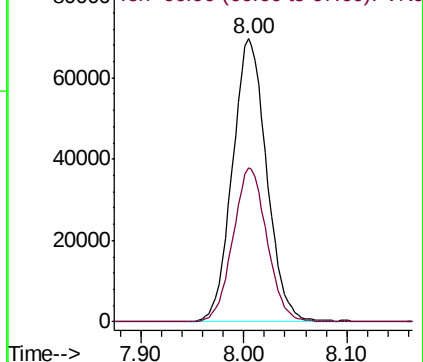
Ion Ratio Lower Upper

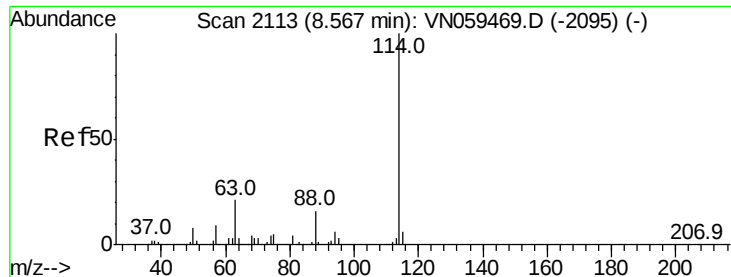
65 100

67 54.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

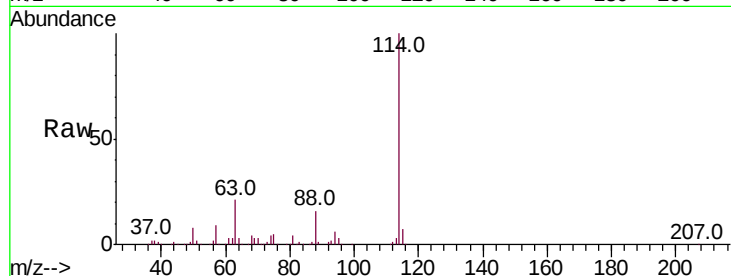




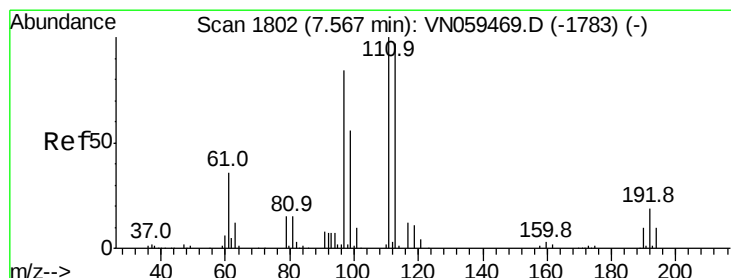
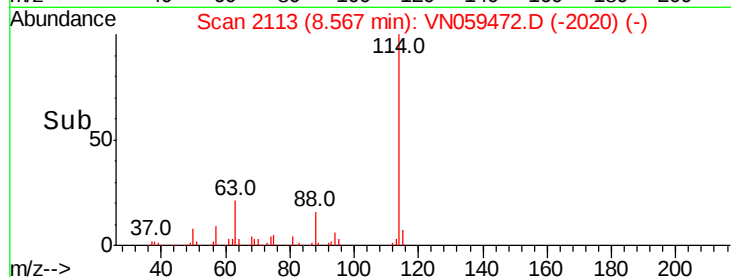
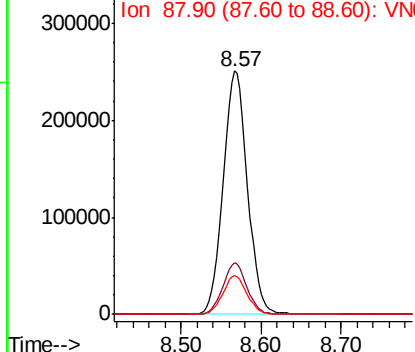
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 522338
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 15.9 0.0 32.8

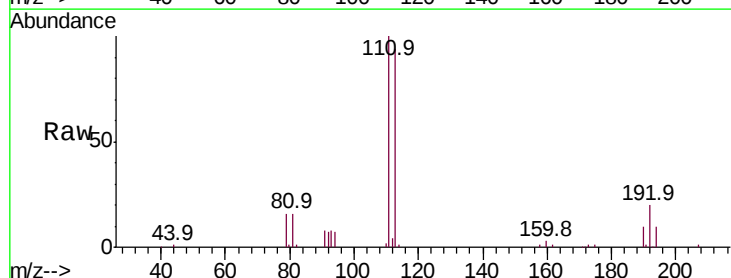


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

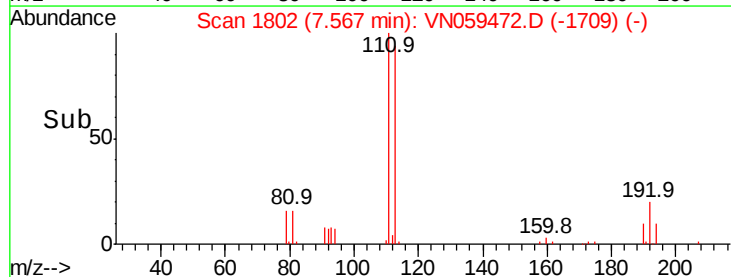
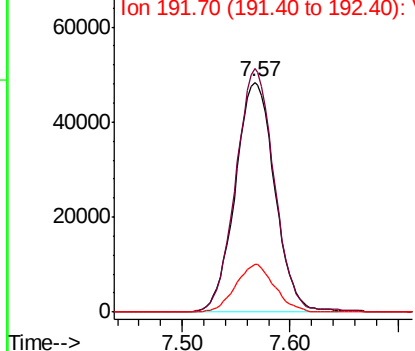


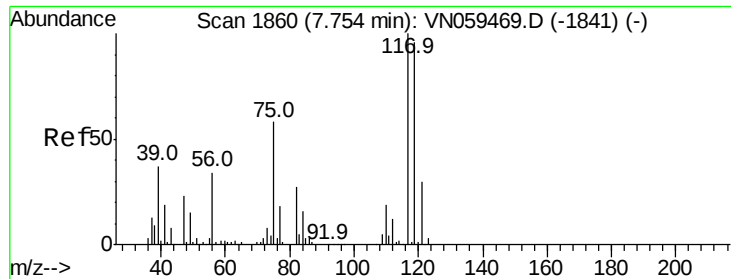
#35
Dibromofluoromethane
Concen: 37.916 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Tgt Ion:113 Resp: 123351
Ion Ratio Lower Upper
113 100
111 102.9 82.5 123.7
192 20.4 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

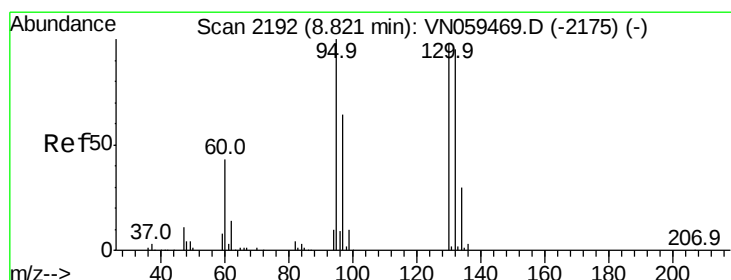
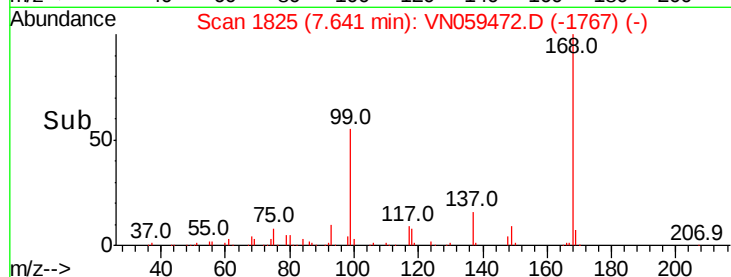
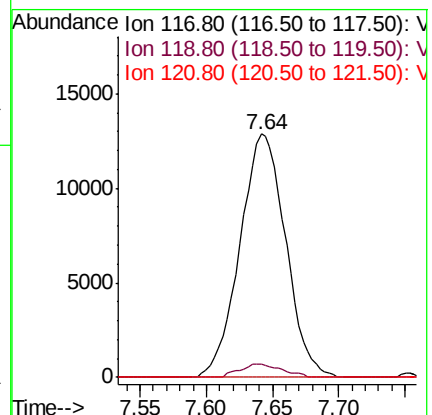
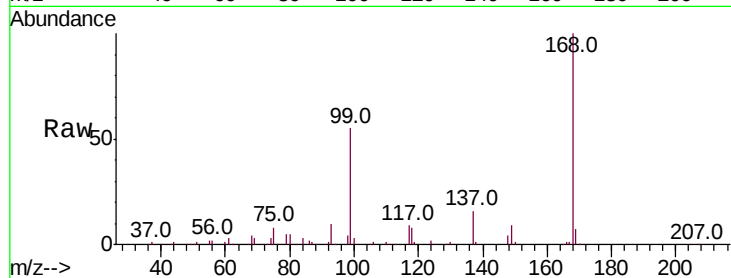




#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

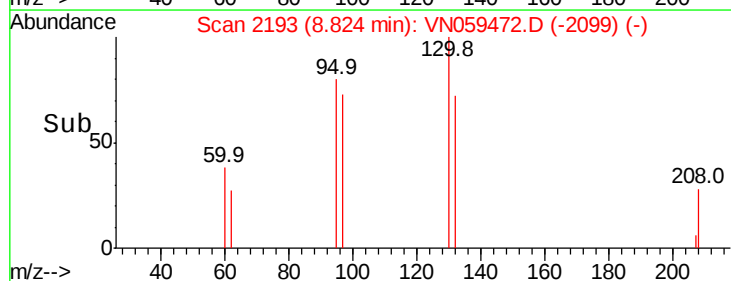
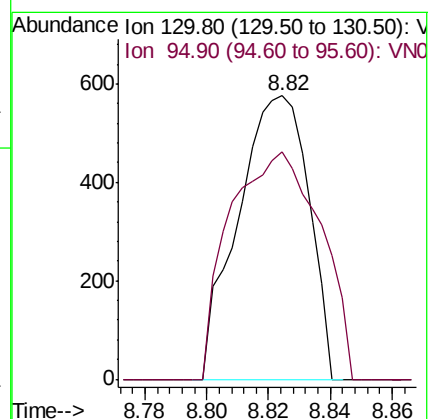
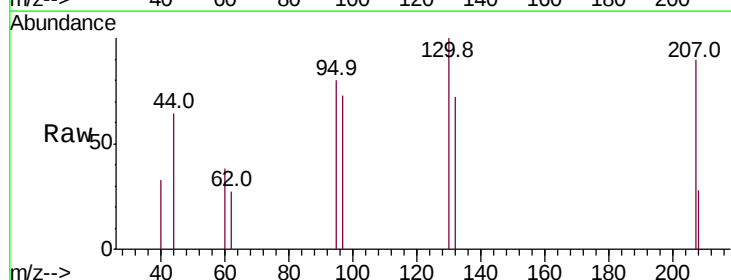
Instrument :
MSVOA_N
ClientSampleId :

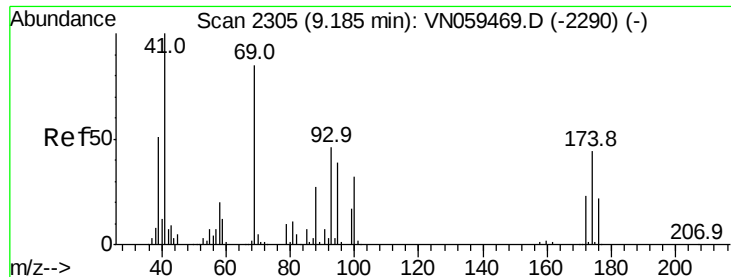
Tot Ion:117 Resp: 30896
Ion Ratio Lower Upper
117 100
119 5.5 76.6 114.8#
121 0.0 24.0 36.0#



#44
Trichloroethene
Concen: 0.219 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Tgt Ion:130 Resp: 910
Ion Ratio Lower Upper
130 100
95 80.2 0.0 203.6





#49

1,4-Dioxane

Concen: 4.737 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :

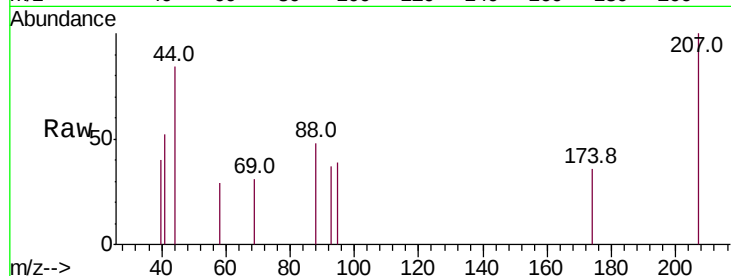
Tot Ion: 88 Resp: 292

Ion Ratio Lower Upper

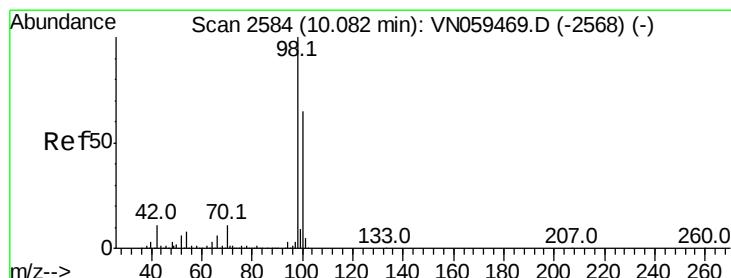
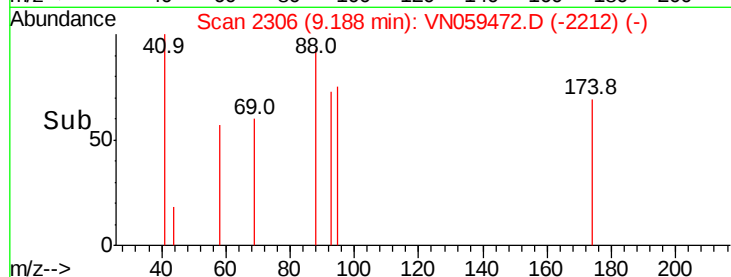
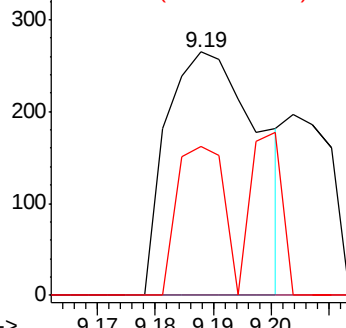
88 100

43 0.0 27.1 40.7#

58 30.8 57.8 86.6#



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



#50

Toluene-d8

Concen: 37.026 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059472.D

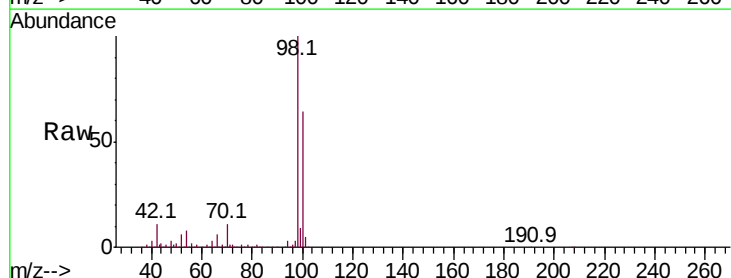
Acq: 3 Dec 2019 15:51

Tgt Ion: 98 Resp: 474924

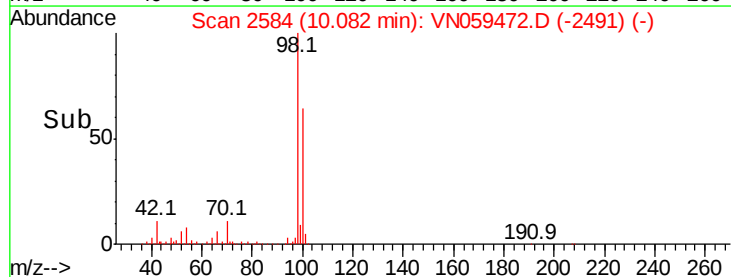
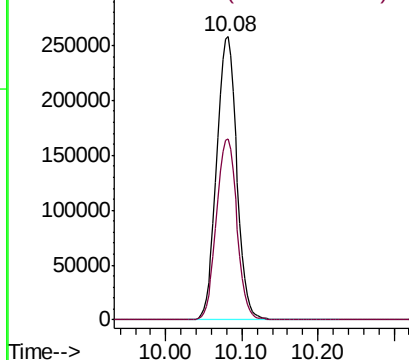
Ion Ratio Lower Upper

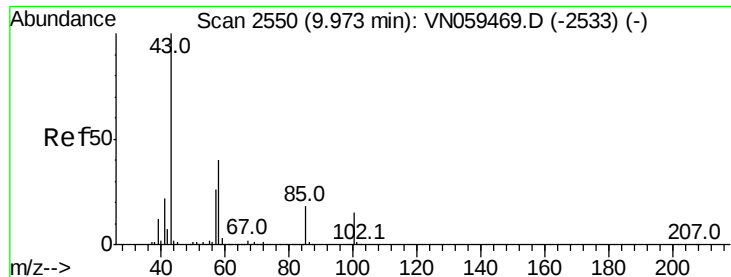
98 100

100 65.0 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 1.160 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

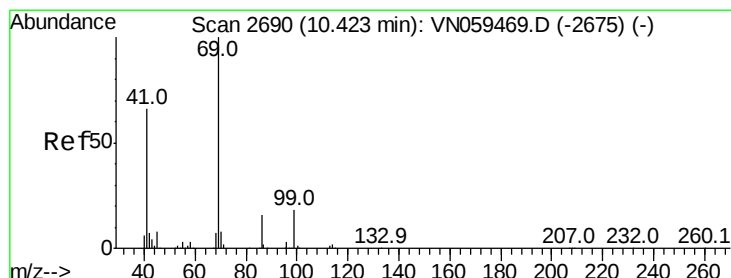
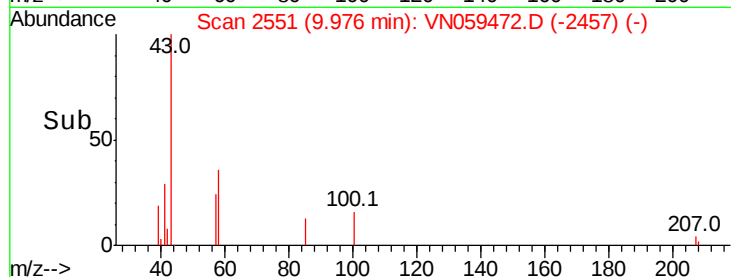
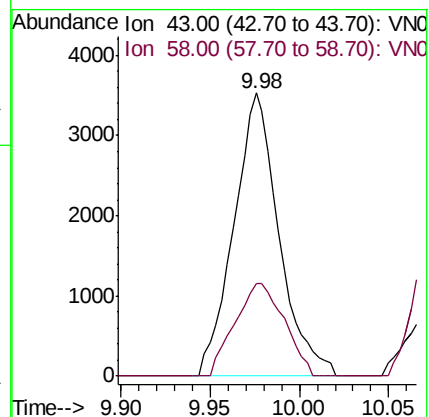
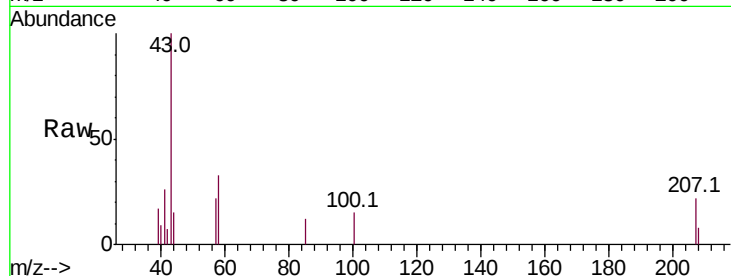
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 6220

Ion Ratio Lower Upper

43 100

58 35.9 32.1 48.1



#56

Ethyl methacrylate

Concen: 1.548 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

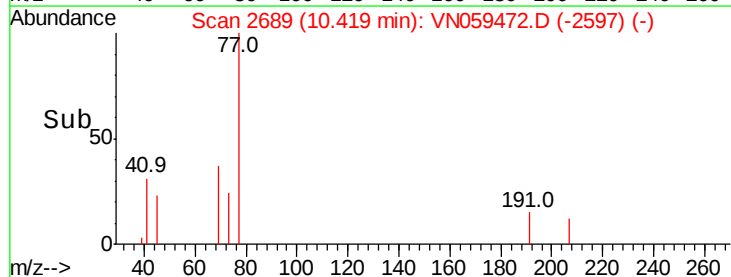
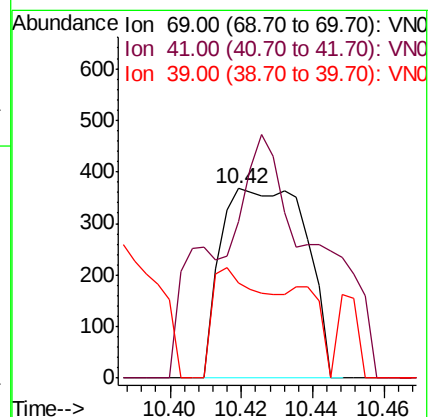
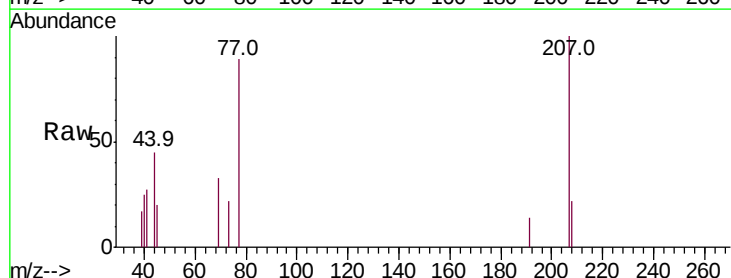
Tgt Ion: 69 Resp: 606

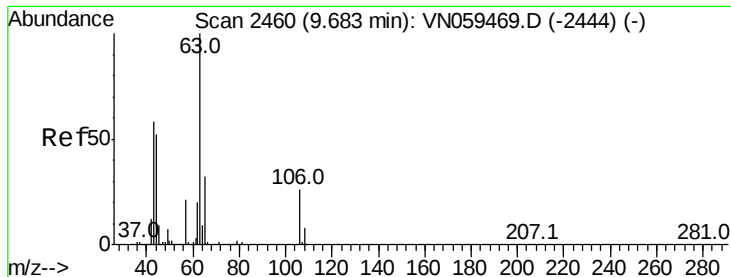
Ion Ratio Lower Upper

69 100

41 120.5 52.7 79.1#

39 40.1 25.0 37.6#





#58

2-Chloroethyl Vinyl ether

Concen: 16.298 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

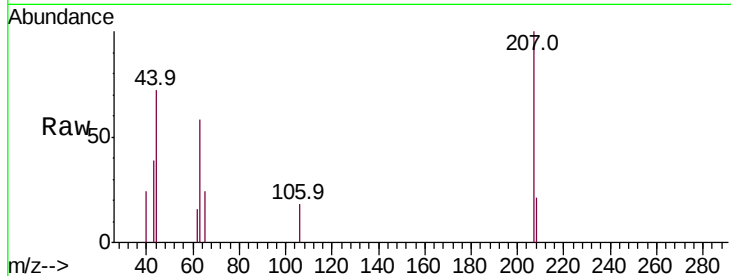
ClientSampleId :

Tot Ion: 63 Resp: 1107

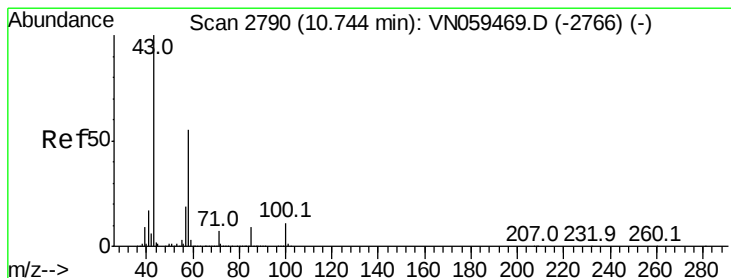
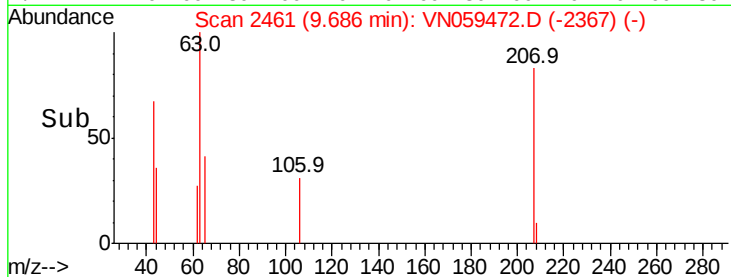
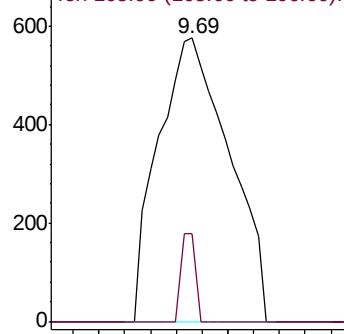
Ion Ratio Lower Upper

63 100

106 6.2 20.4 30.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0



#59

2-Hexanone

Concen: 1.641 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059472.D

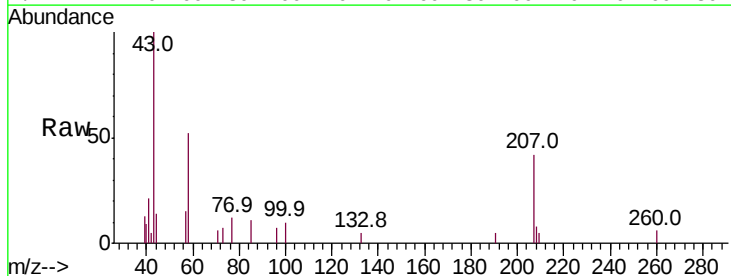
Acq: 3 Dec 2019 15:51

Tgt Ion: 43 Resp: 6618

Ion Ratio Lower Upper

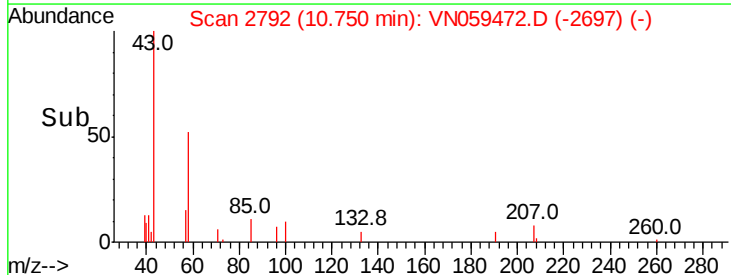
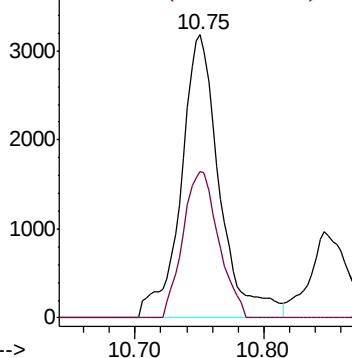
43 100

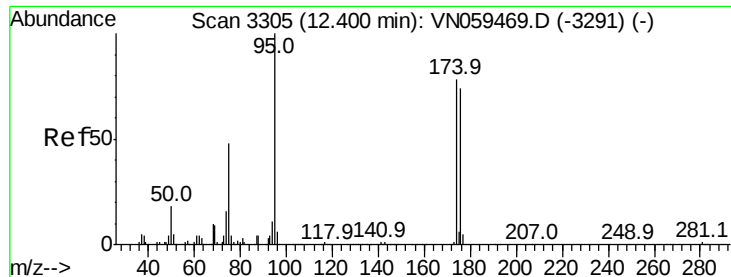
58 47.7 27.7 83.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 34.650 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

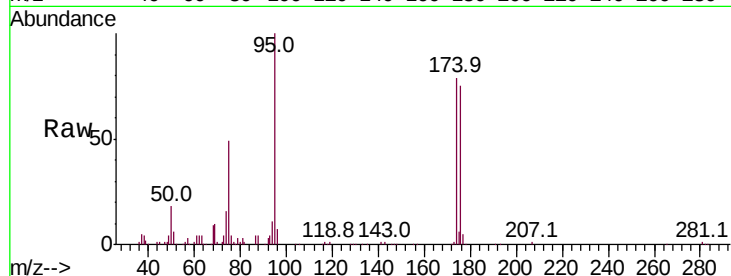
Tot Ion: 95 Resp: 155217

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.0

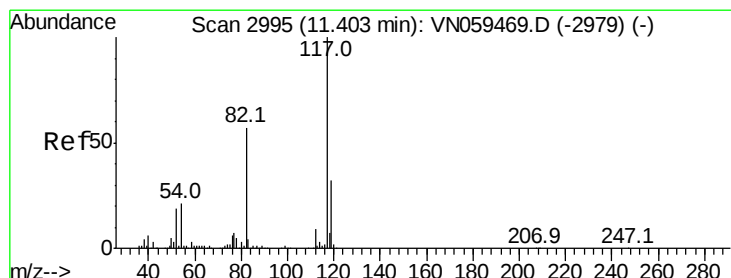
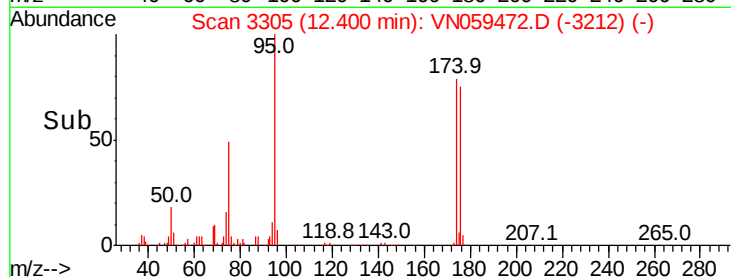
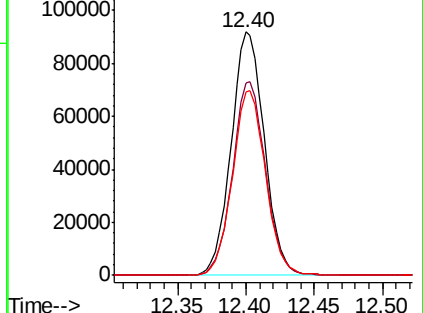
176 75.8 0.0 152.4



Abundance Ion 94.90 (94.60 to 95.60): VN059472.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059472.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059472.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

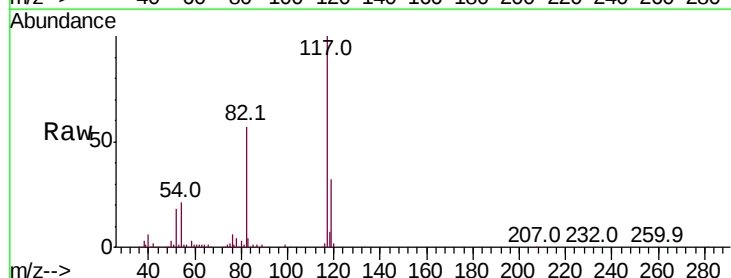
Tgt Ion: 117 Resp: 451466

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

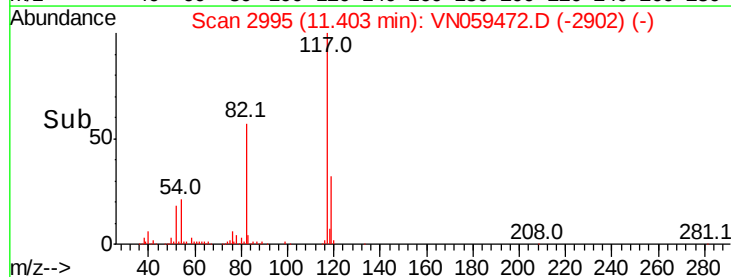
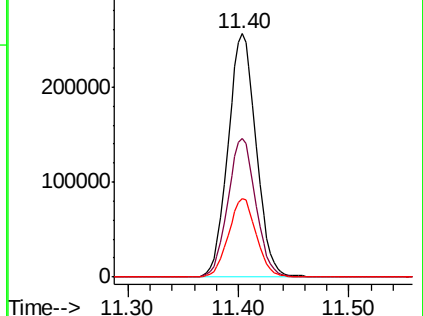
119 32.2 25.4 38.0

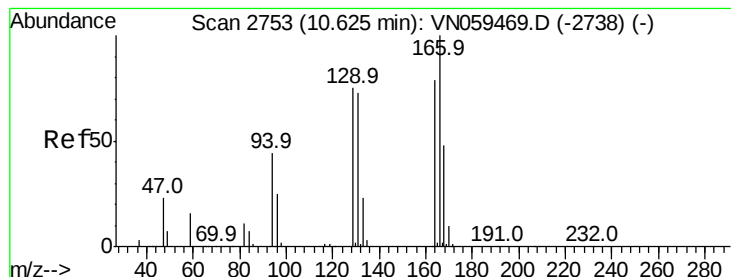


Abundance Ion 116.90 (116.60 to 117.60): VN059472.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059472.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059472.D (-2902) (-)





#64

Tetrachloroethene

Concen: 0.247 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 948

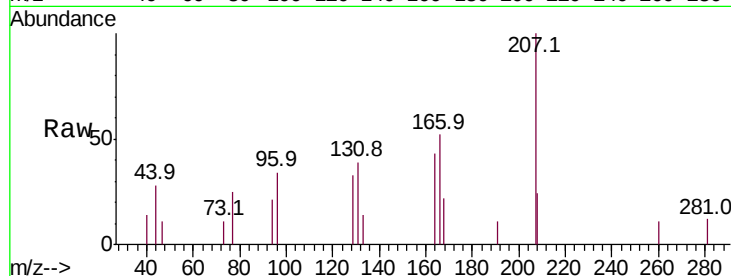
Ion Ratio Lower Upper

164 100

166 121.1 101.2 151.8

129 77.4 76.1 114.1

131 90.1 73.7 110.5

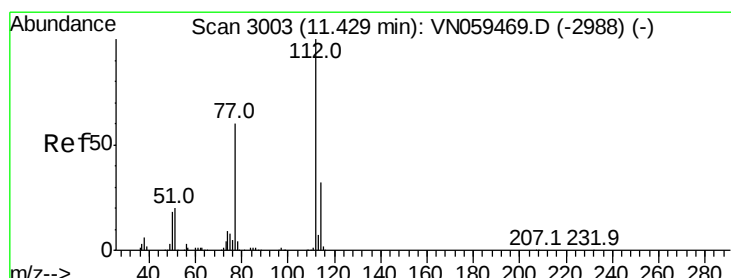
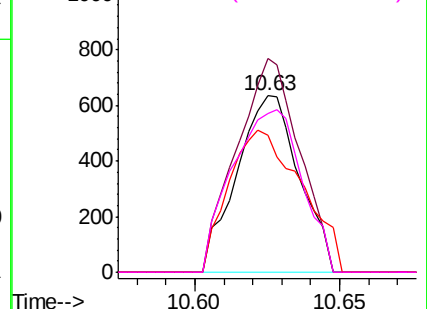
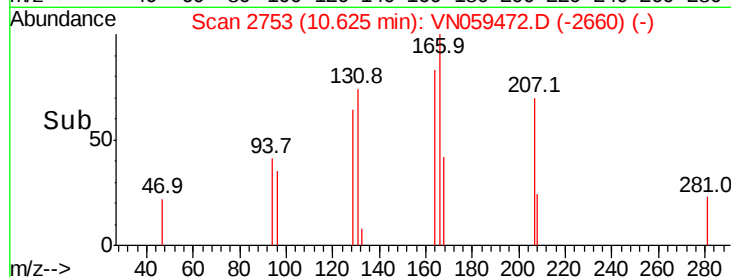


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.278 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059472.D

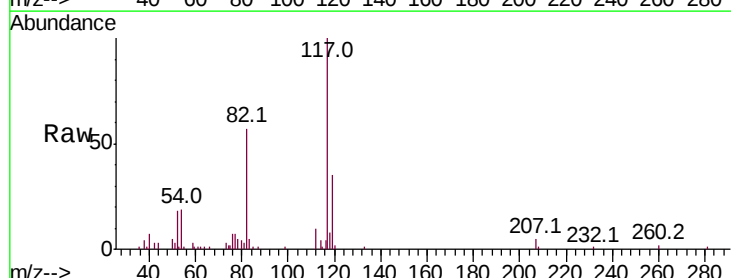
Acq: 3 Dec 2019 15:51

Tgt Ion:112 Resp: 2744

Ion Ratio Lower Upper

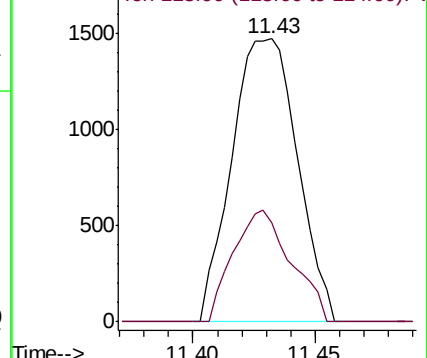
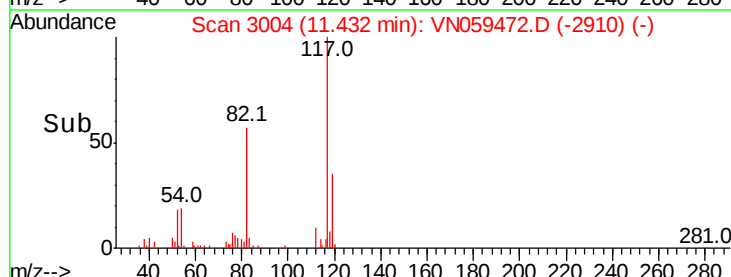
112 100

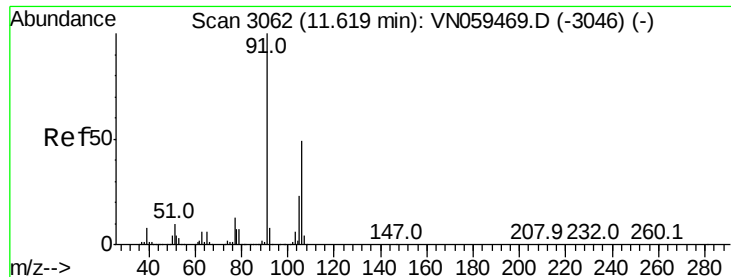
114 34.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

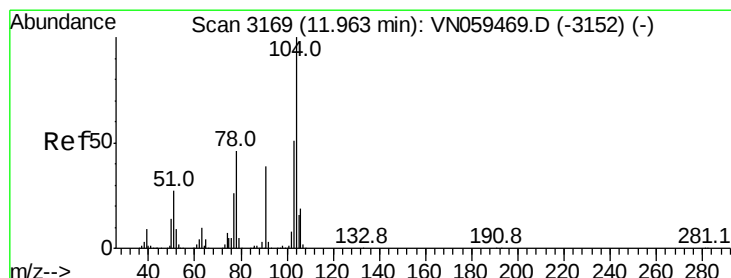
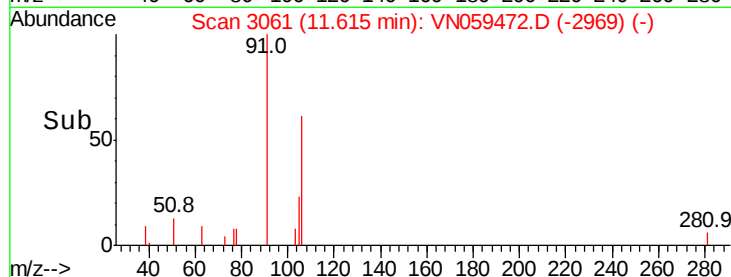
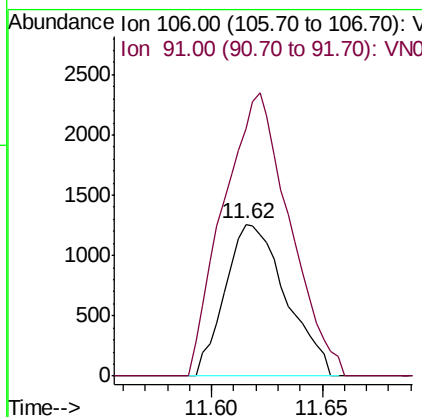
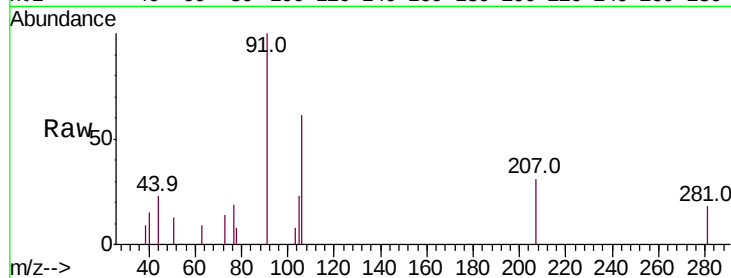




#68
m/p-Xylenes
Concen: 0.374 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

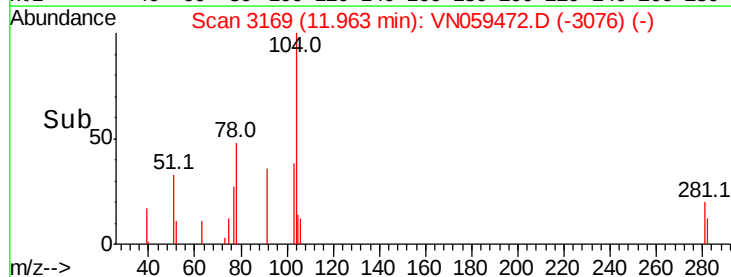
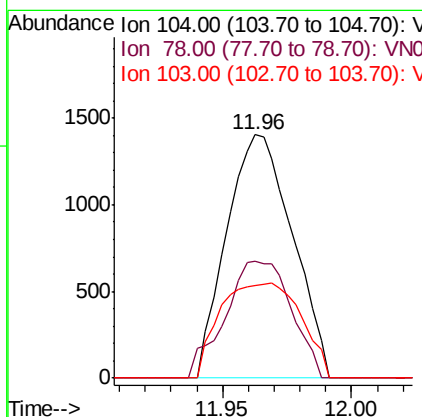
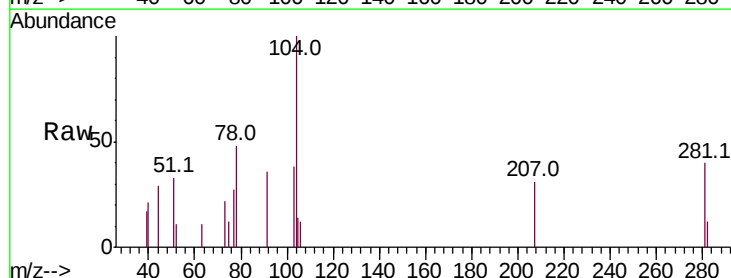
Instrument :
MSVOA_N
ClientSampled :

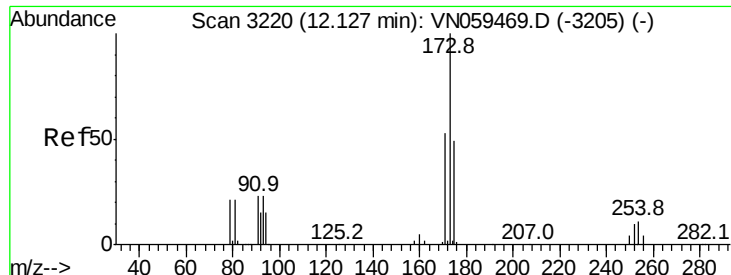
Tot Ion:106 Resp: 2411
Ion Ratio Lower Upper
106 100
91 202.9 162.2 243.4



#70
Styrene
Concen: 0.255 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Tgt Ion:104 Resp: 2493
Ion Ratio Lower Upper
104 100
78 48.5 41.0 61.4
103 48.0 44.7 67.1

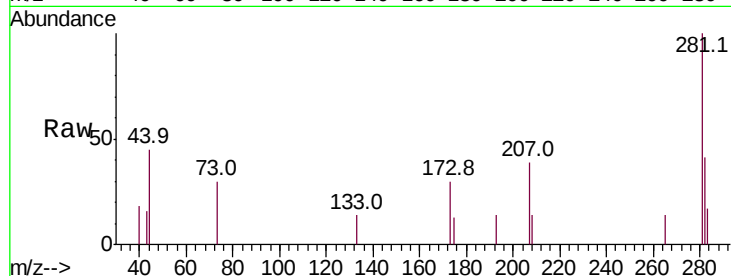




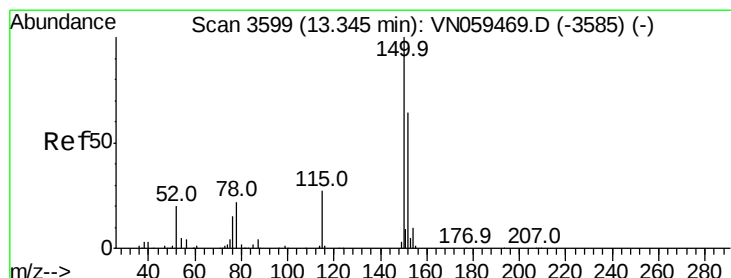
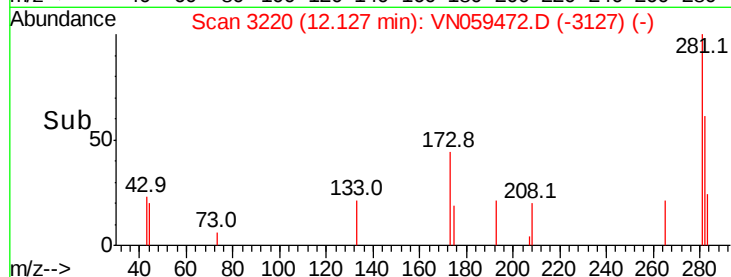
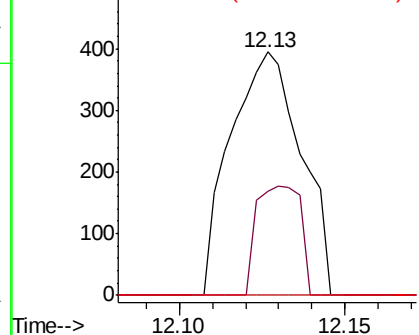
#71
Bromoform
Concen: 0.212 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 585
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

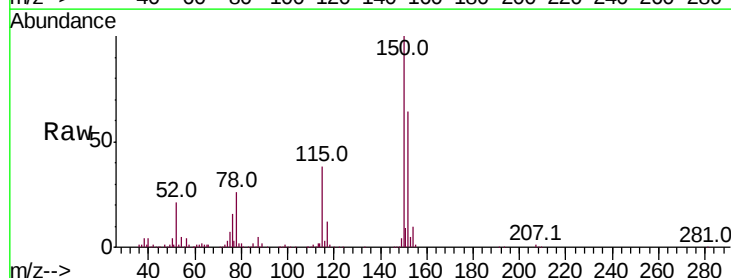


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

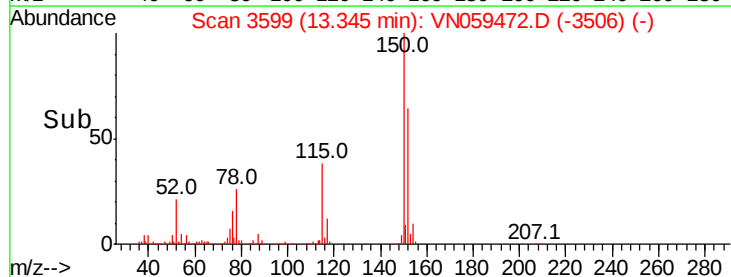
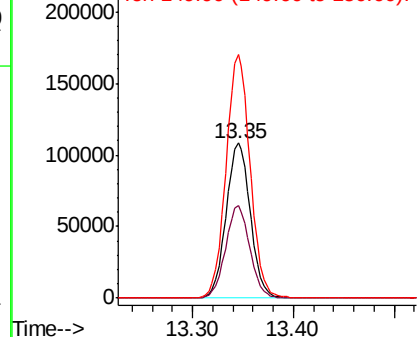


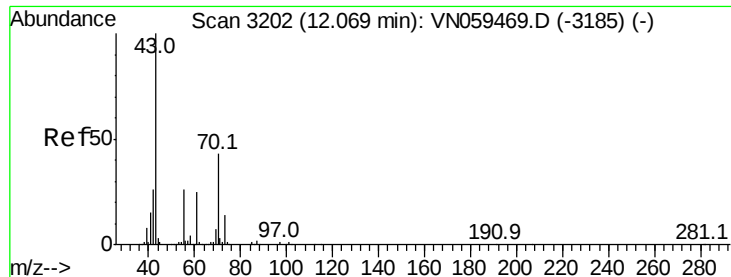
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Tgt Ion:152 Resp: 181649
Ion Ratio Lower Upper
152 100
115 58.7 29.2 87.6
150 156.4 0.0 352.8



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

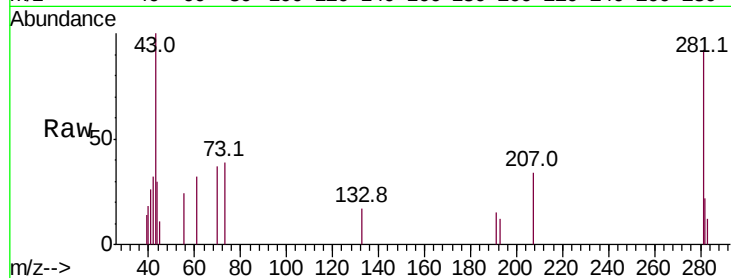




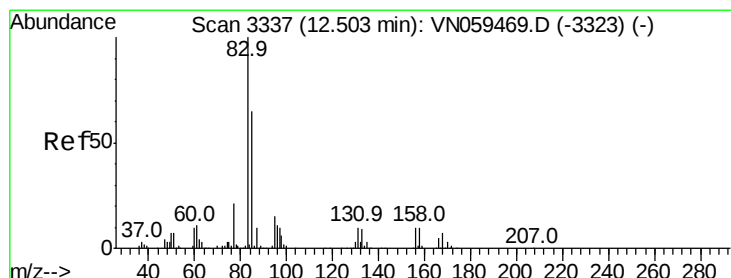
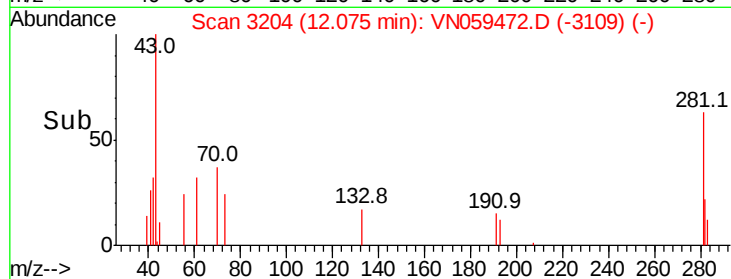
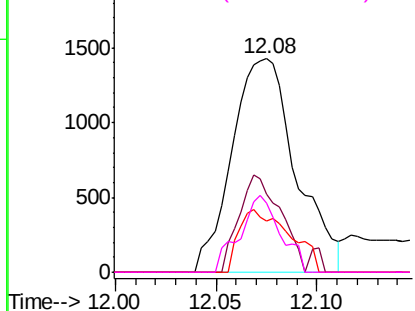
#74
N-amvl acetate
Concen: 0.540 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.01 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	43	Resp:	3166
Ion	Ratio	Lower	Upper
43	100		
70	29.9	34.2	51.2#
55	23.2	20.6	31.0
61	22.9	19.3	28.9

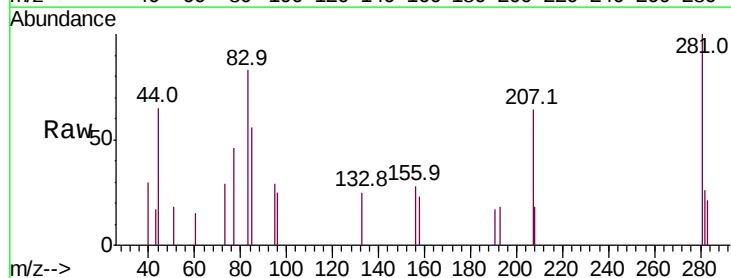


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO

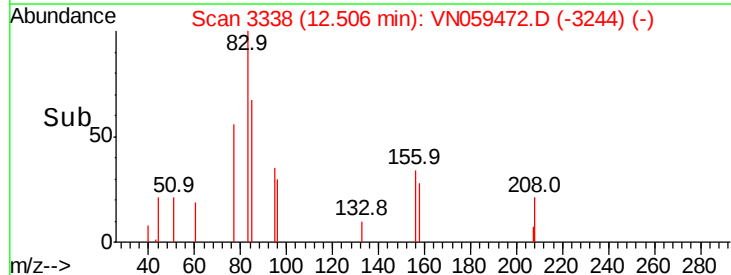
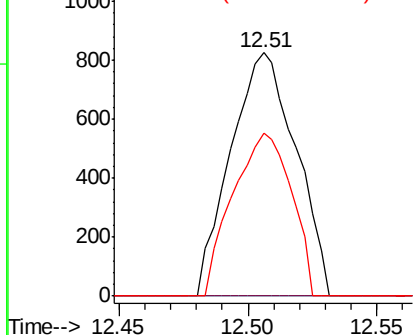


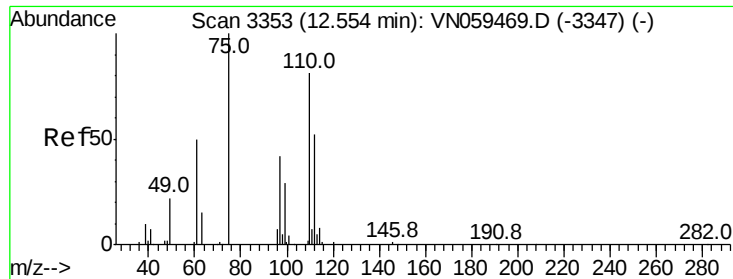
#75
1,1,2,2-Tetrachloroethane
Concen: 0.311 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN059472.D
Acq: 3 Dec 2019 15:51

Tgt Ion:	83	Resp:	1455
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	60.3	32.2	96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VNO

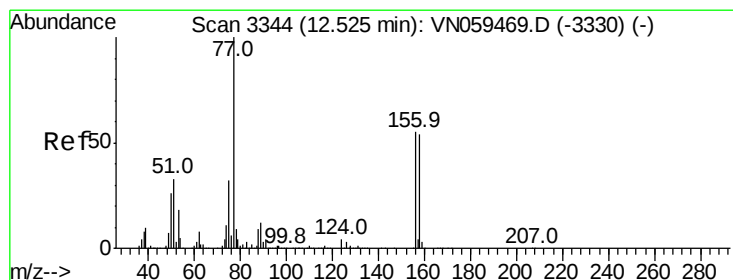
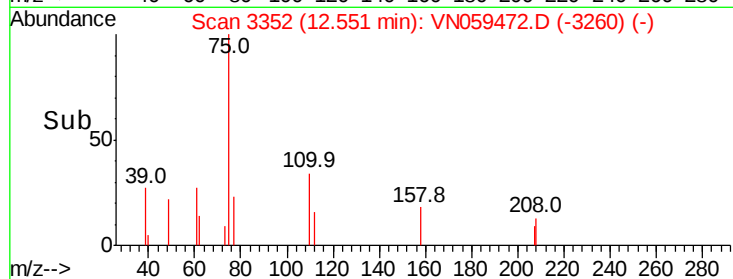
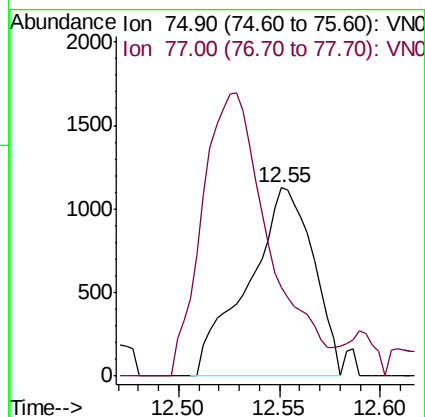
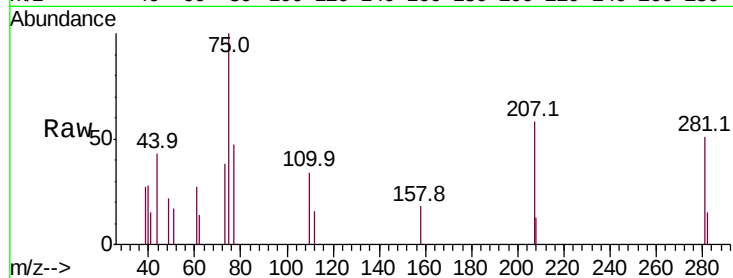




#76
 1,2,3-Trichloropropane
 Concen: 0.559 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

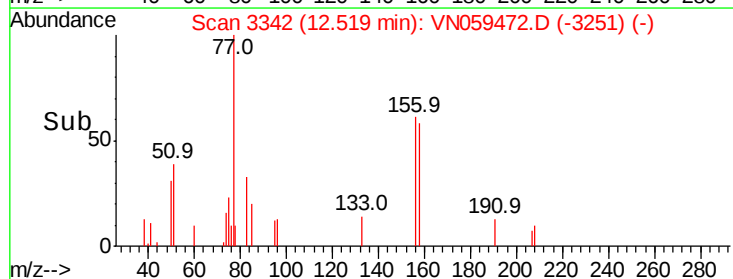
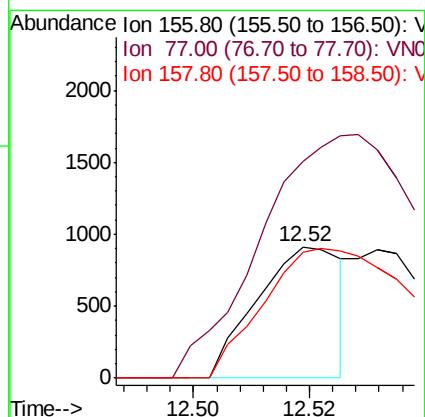
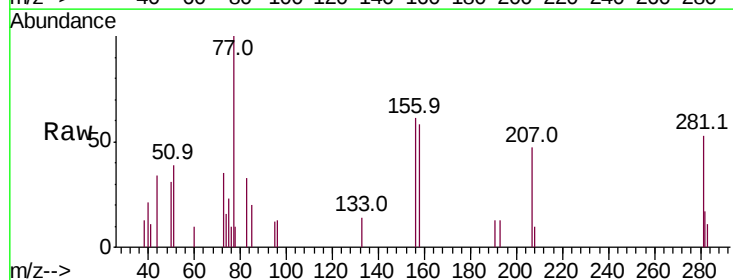
Instrument :
 MSVOA_N
 ClientSampled :

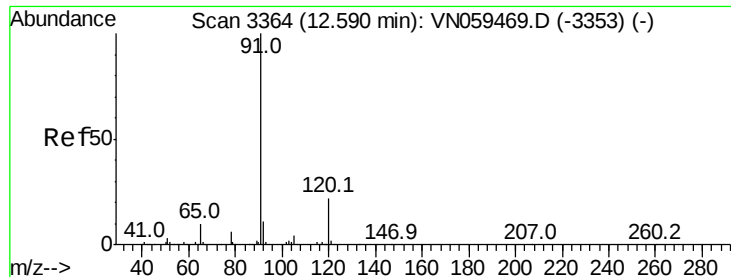
Tot Ion: 75 Resp: 2527
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.254 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Tgt Ion: 156 Resp: 924
 Ion Ratio Lower Upper
 156 100
 77 423.1 110.3 331.0#
 158 181.9 48.5 145.5#





#78

n-propylbenzene

Concen: 0.280 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

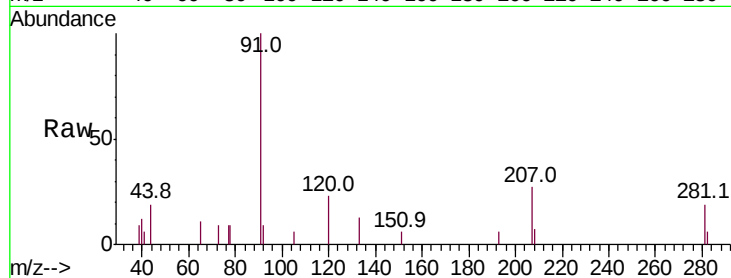
ClientSampleId :

Tot Ion: 91 Resp: 4745

Ion Ratio Lower Upper

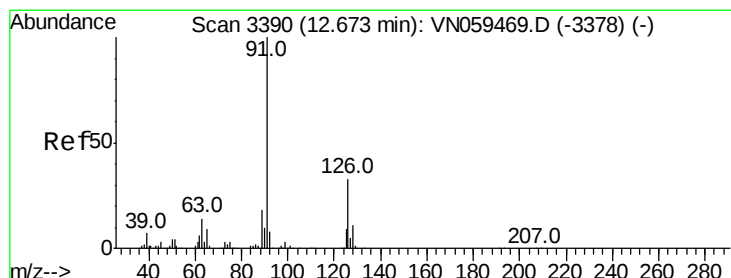
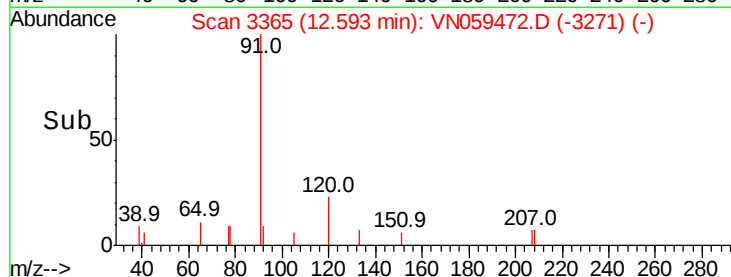
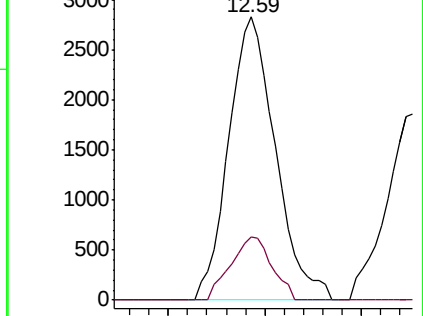
91 100

120 19.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.310 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059472.D

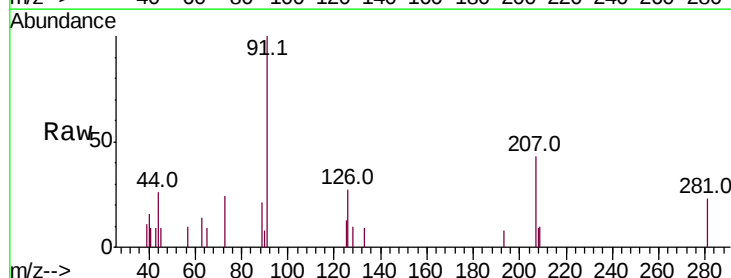
Acq: 3 Dec 2019 15:51

Tgt Ion: 91 Resp: 3163

Ion Ratio Lower Upper

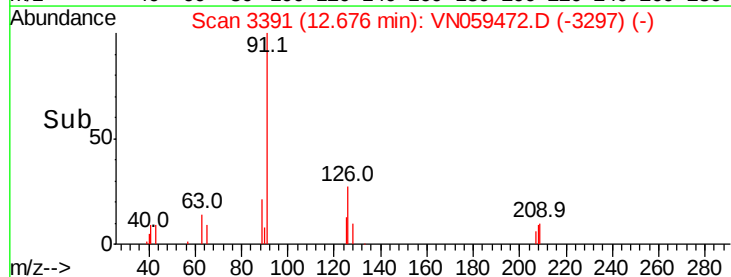
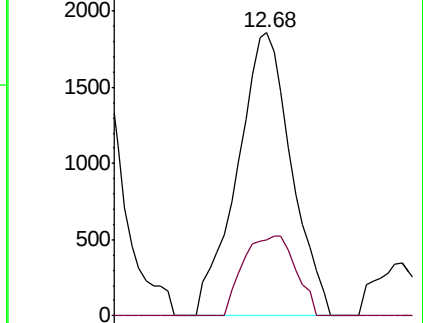
91 100

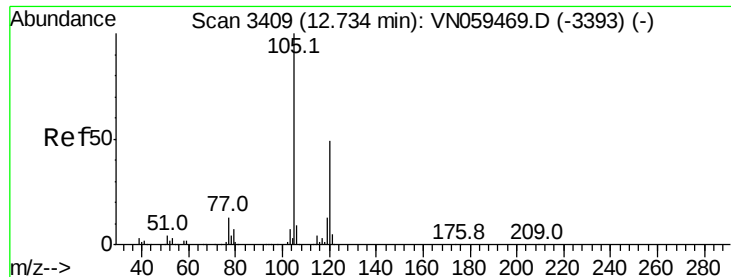
126 27.2 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.212 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

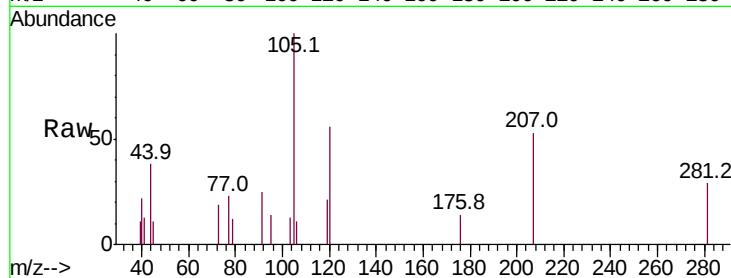
ClientSampled :

Tot Ion:105 Resp: 2586

Ion Ratio Lower Upper

105 100

120 44.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.74

1500

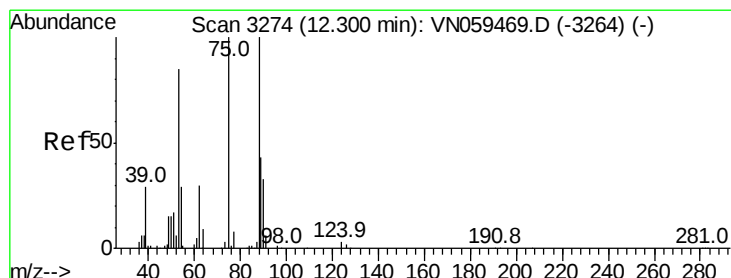
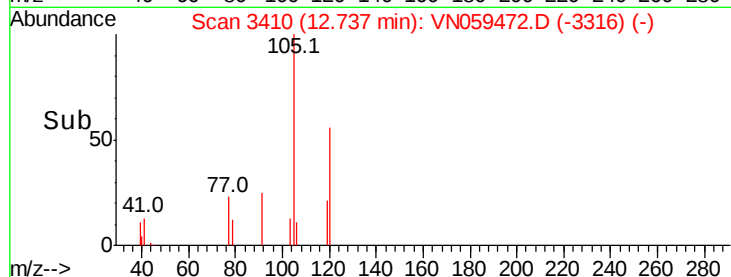
1000

500

0

Time-->

12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 44.277 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

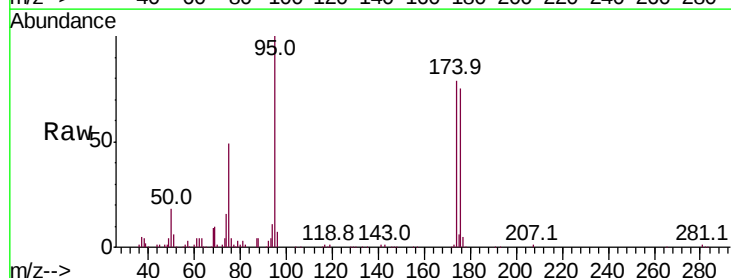
Tgt Ion: 75 Resp: 76202

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

60000

50000

40000

30000

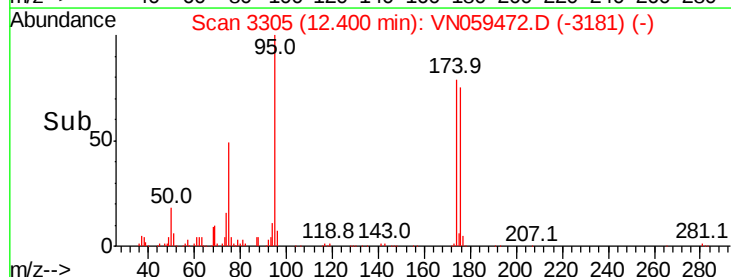
20000

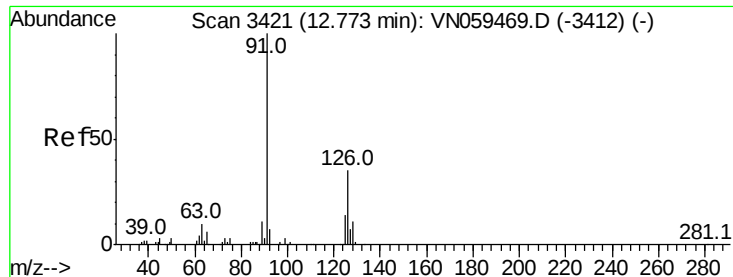
10000

0

Time-->

12.35 12.40 12.45





#82

4-Chlorotoluene

Concen: 0.468 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.01 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

Instrument :

MSVOA_N

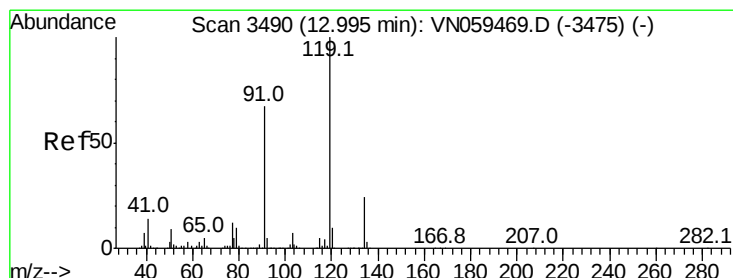
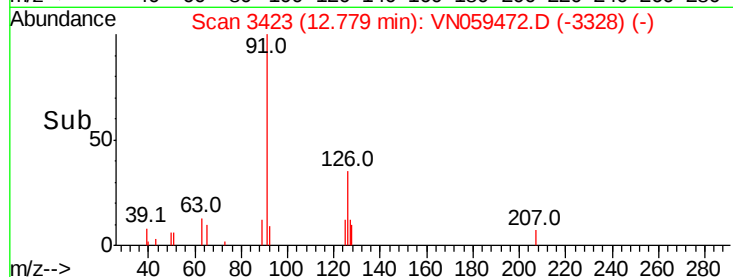
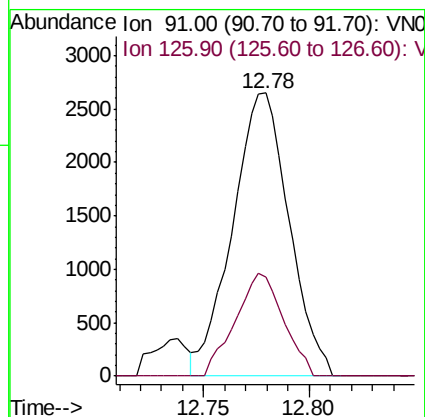
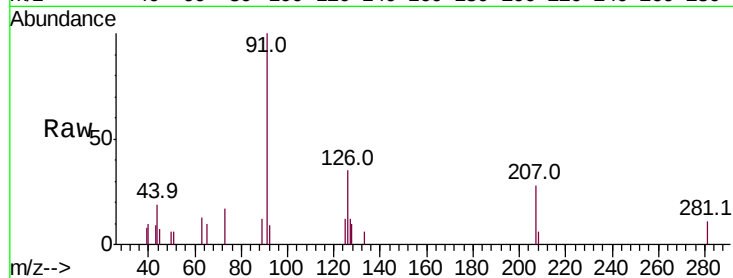
ClientSampled :

Tot Ion: 91 Resp: 4936

Ion Ratio Lower Upper

91 100

126 30.8 16.4 49.2



#83

tert-Butylbenzene

Concen: 0.231 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059472.D

Acq: 3 Dec 2019 15:51

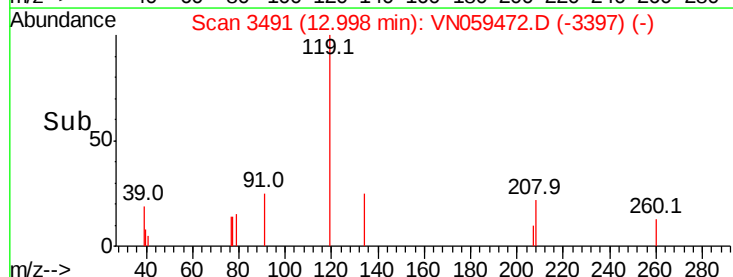
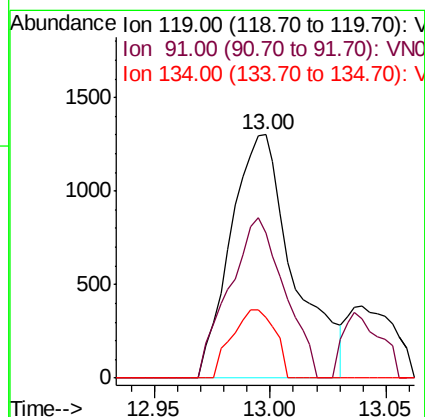
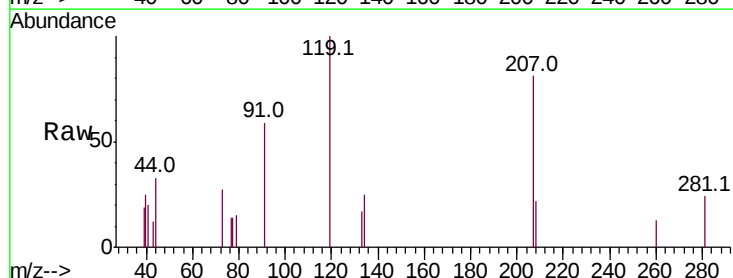
Tgt Ion: 119 Resp: 2441

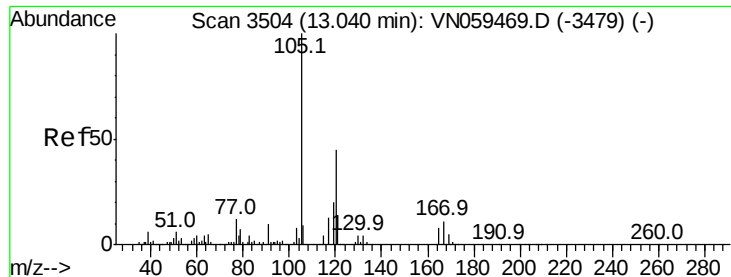
Ion Ratio Lower Upper

119 100

91 58.0 32.6 97.7

134 19.3 12.6 37.6

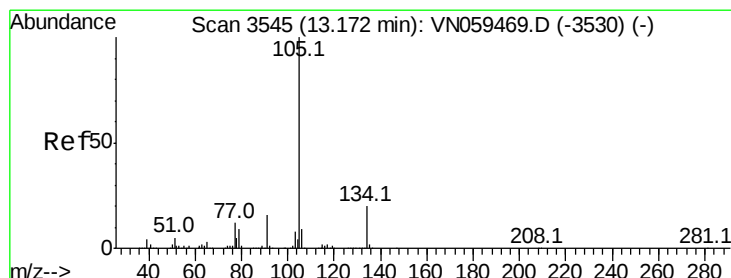
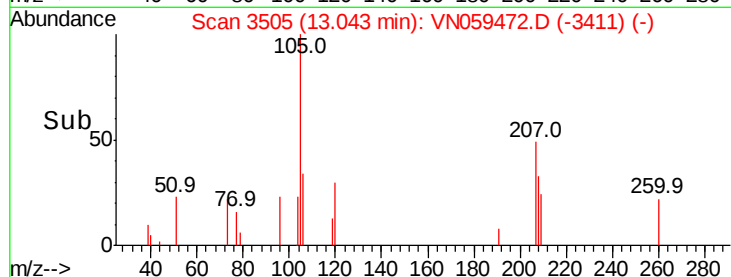
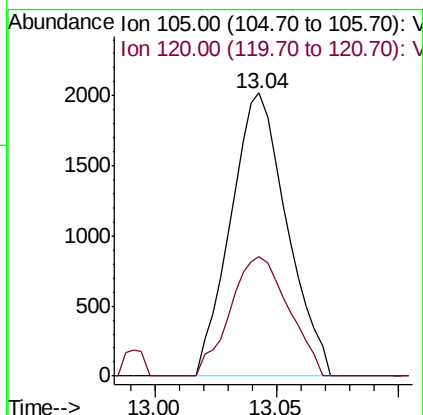
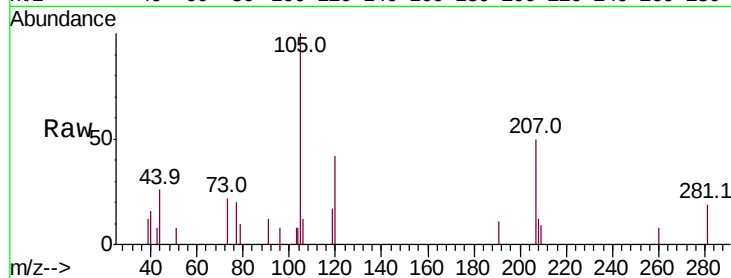




#84
 1,2,4-Trimethylbenzene
 Concen: 0.271 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

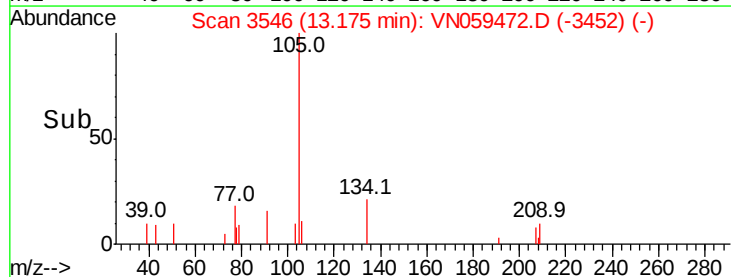
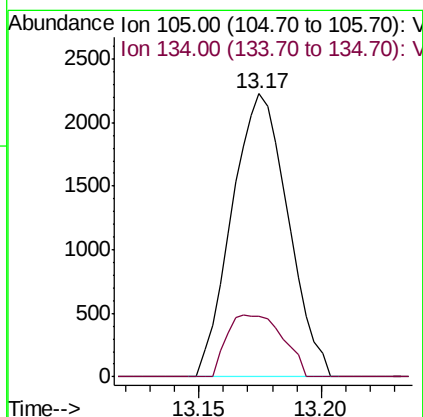
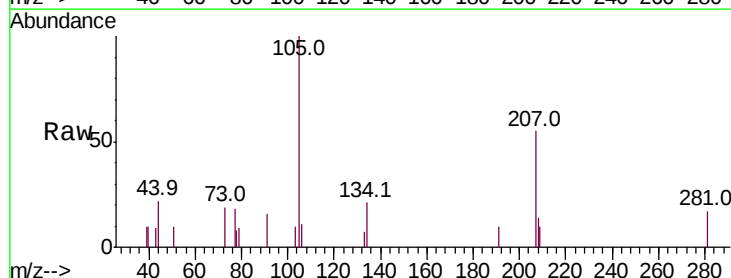
Instrument :
 MSVOA_N
 ClientSampled :

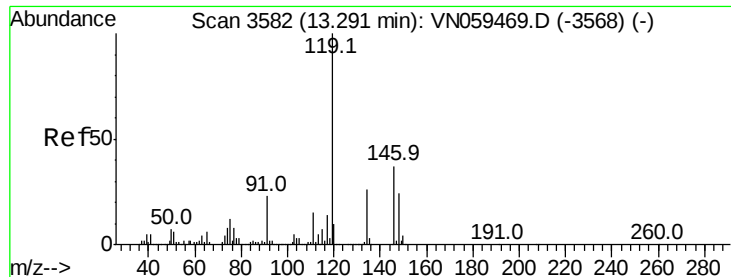
Tot Ion:105 Resp: 3221
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 0.254 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Tgt Ion:105 Resp: 3560
 Ion Ratio Lower Upper
 105 100
 134 21.6 9.8 29.5

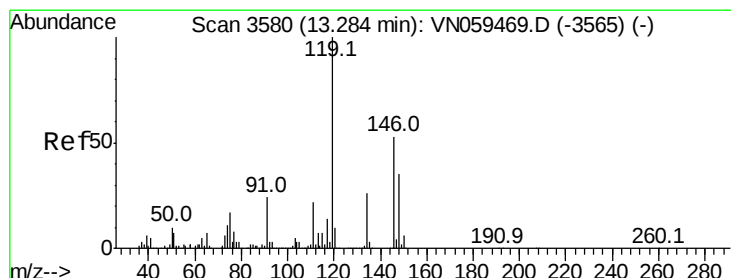
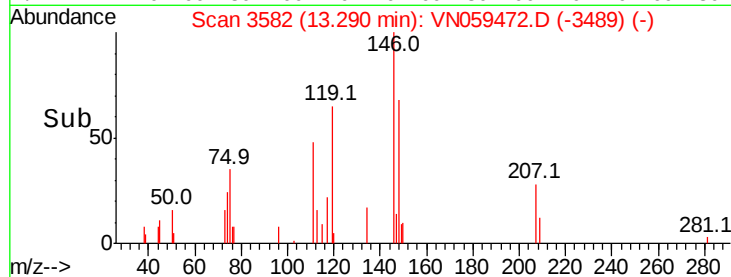
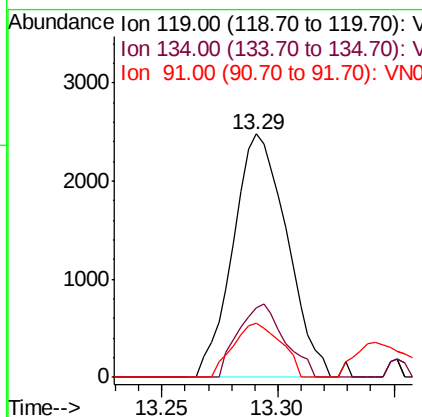
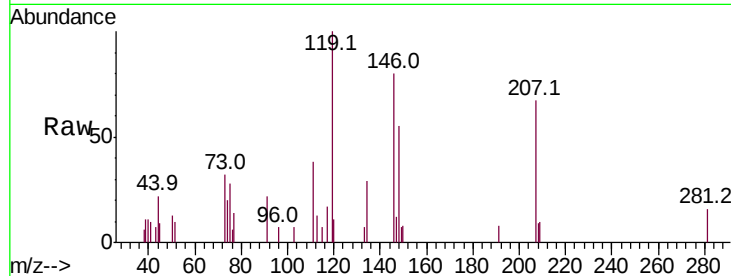




#86
 p-Isopropyltoluene
 Concen: 0.319 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

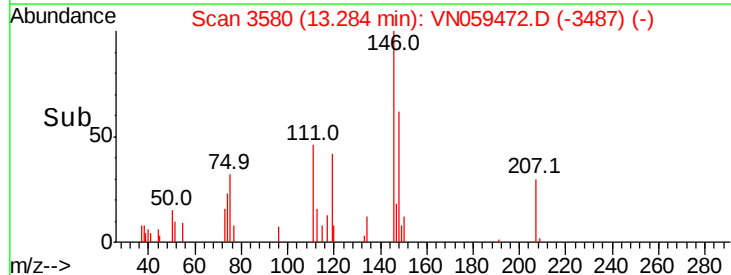
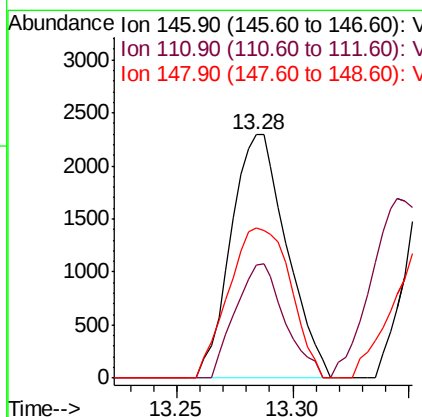
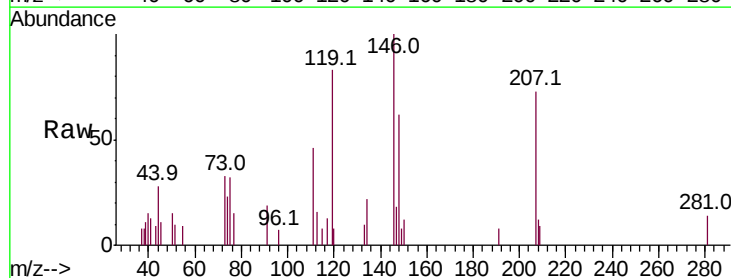
Instrument :
 MSVOA_N
 ClientSampled :

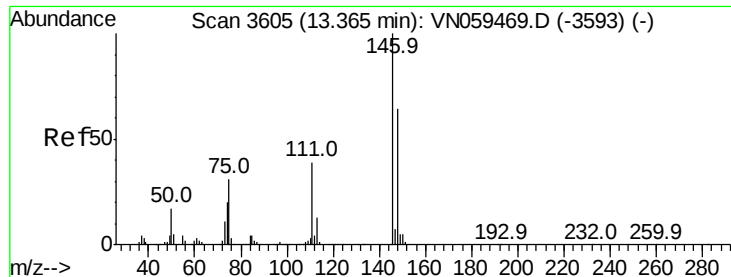
Tot Ion:119 Resp: 4006
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 19.8 11.7 35.1



#87
 1,3-Dichlorobenzene
 Concen: 0.597 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Tgt Ion:146 Resp: 3832
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.4 61.3
 148 68.7 32.1 96.5

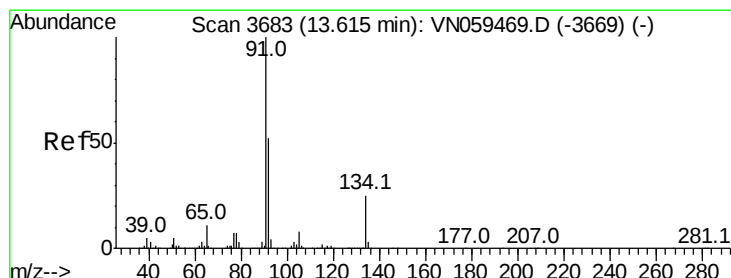
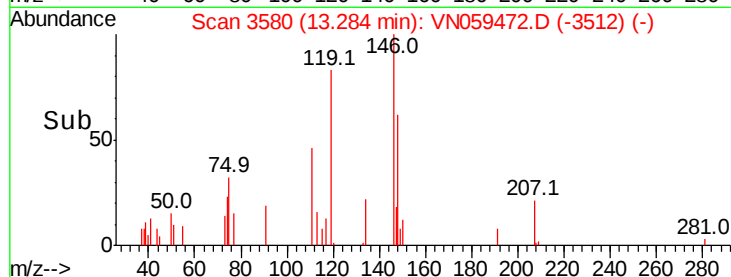
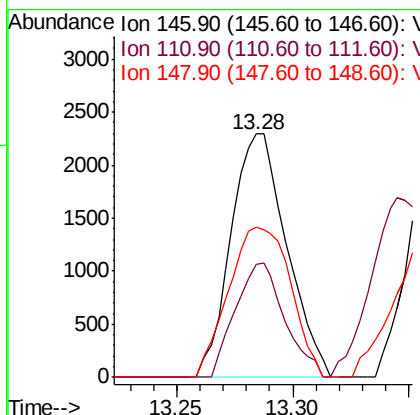
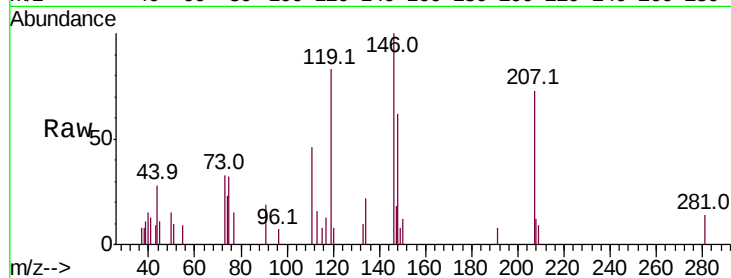




#88
 1,4-Dichlorobenzene
 Concen: 0.592 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

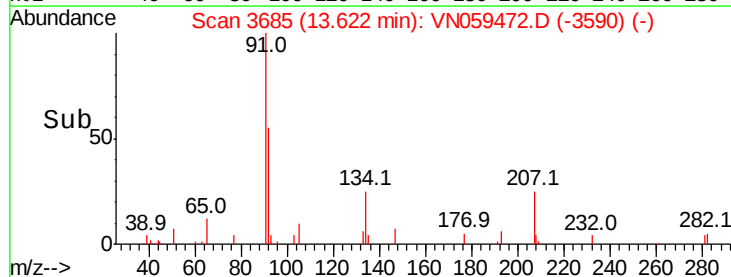
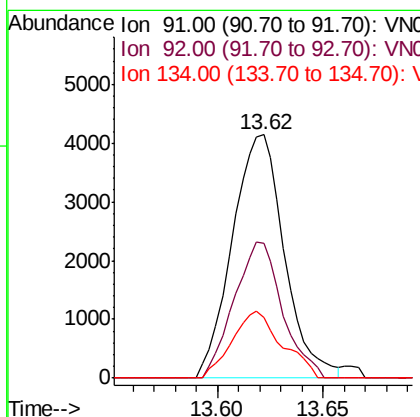
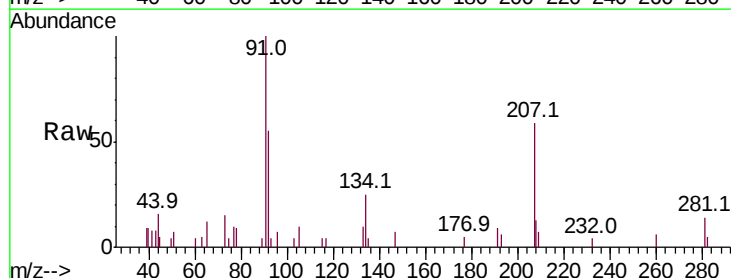
Instrument :
 MSVOA_N
 ClientSampled :

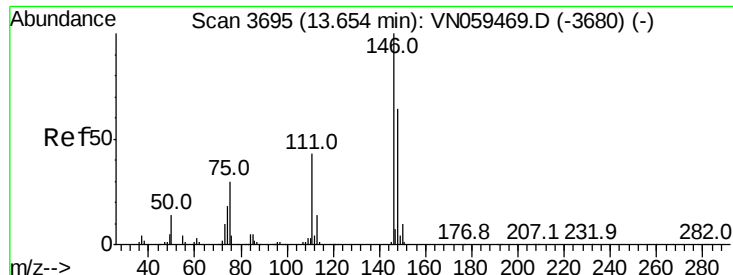
Tot Ion:146 Resp: 3832
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.8 59.3
 148 68.7 32.0 96.0



#89
 n-Butylbenzene
 Concen: 0.633 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.01 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Tgt Ion: 91 Resp: 7114
 Ion Ratio Lower Upper
 91 100
 92 51.6 25.9 77.8
 134 26.1 12.6 37.6

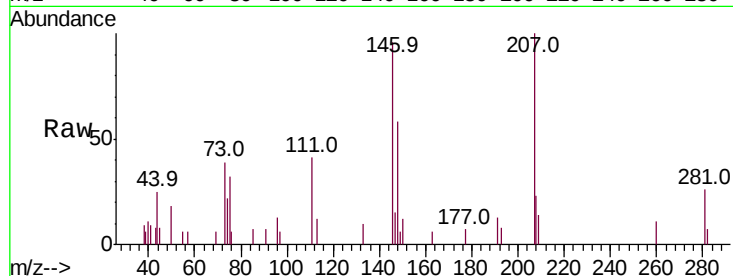




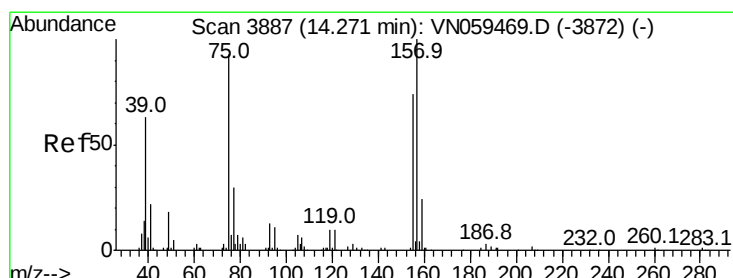
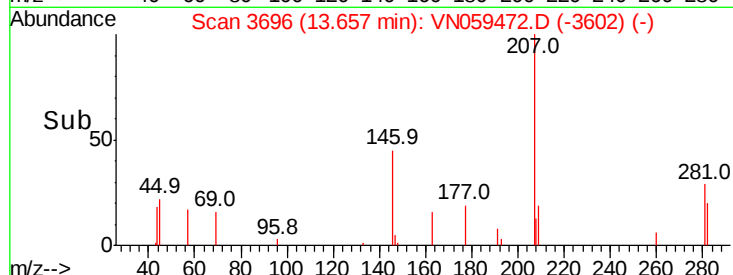
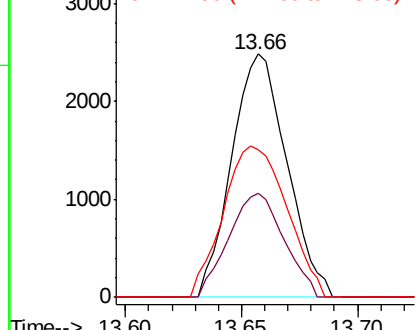
#91
 1,2-Dichlorobenzene
 Concen: 0.666 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 4097
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.3 63.7
 148 71.6 32.2 96.6

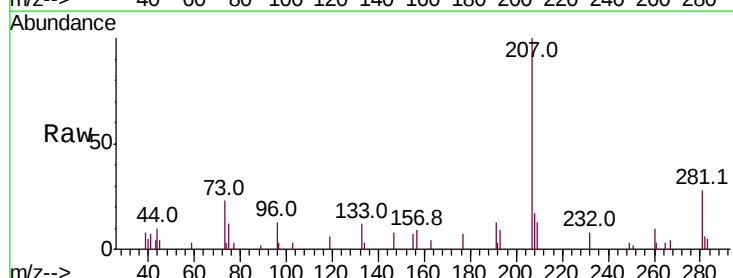


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

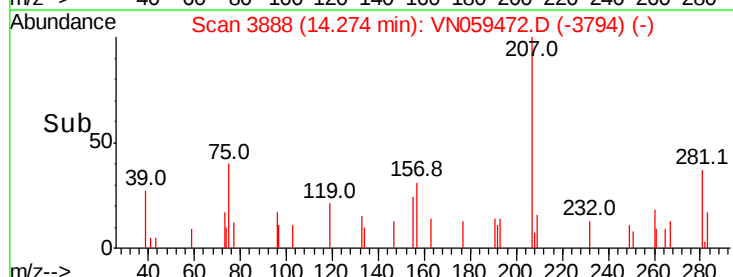
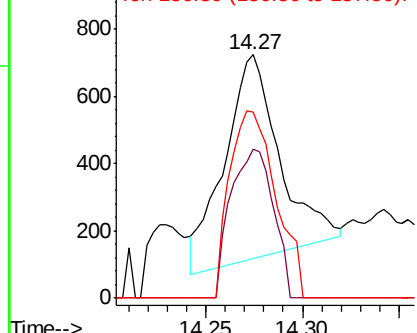


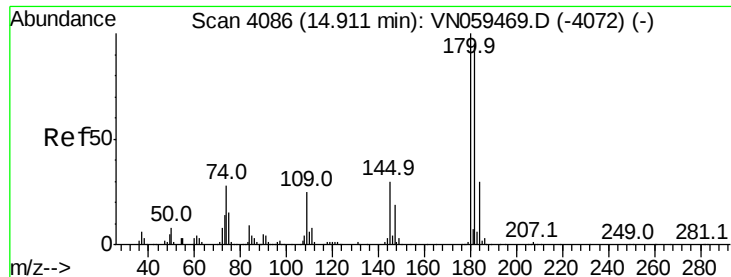
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.125 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Tgt Ion: 75 Resp: 1208
 Ion Ratio Lower Upper
 75 100
 155 56.2 40.6 122.0
 157 76.7 52.9 158.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

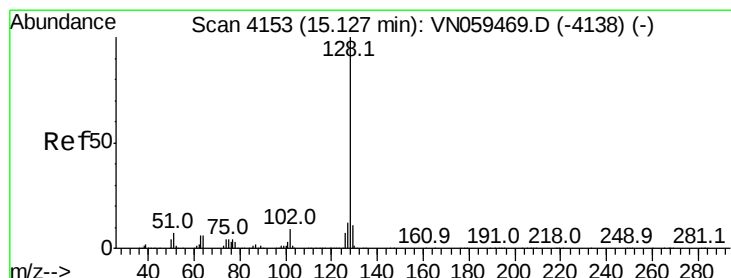
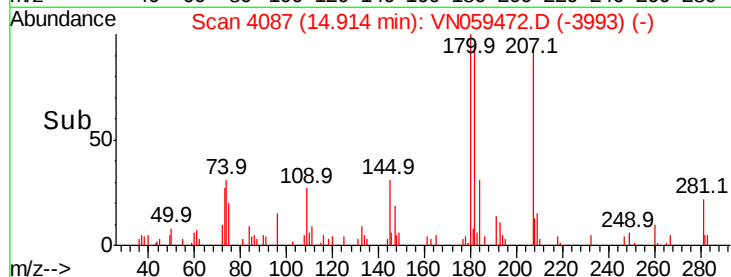
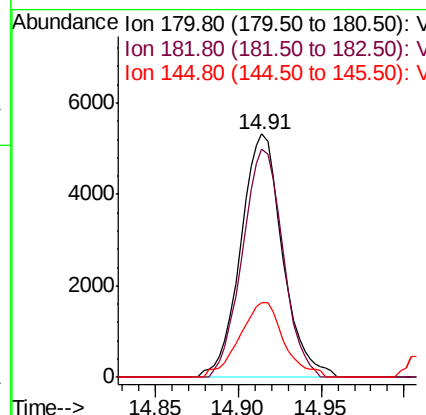
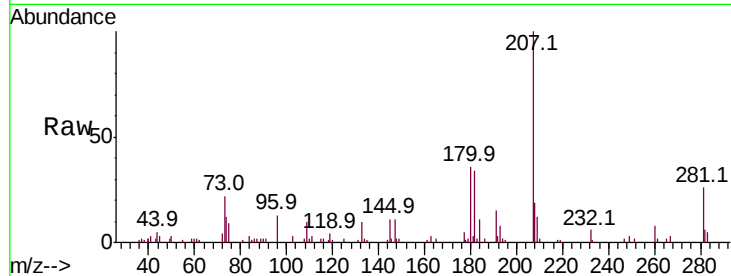




#93
 1,2,4-Trichlorobenzene
 Concen: 2.486 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

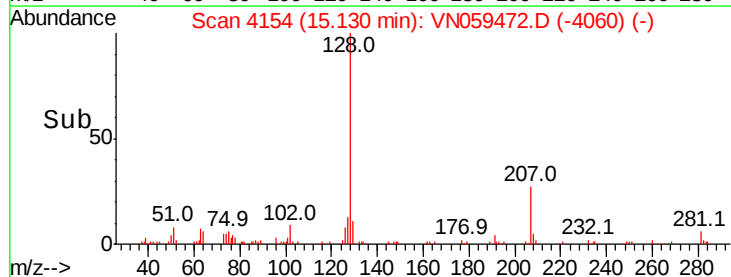
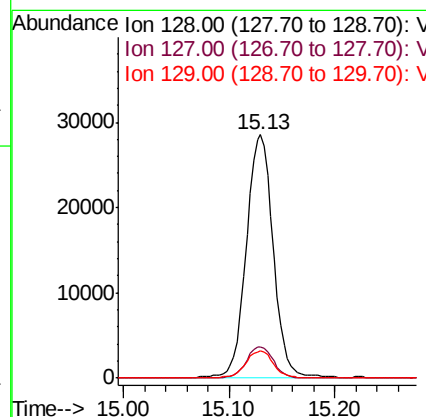
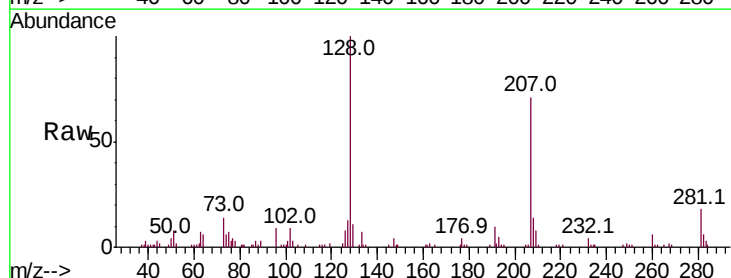
Instrument :
 MSVOA_N
 ClientSampleId :

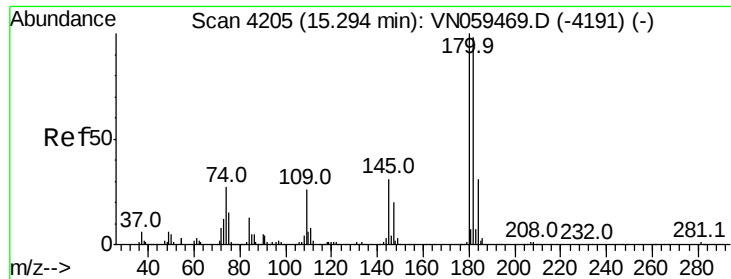
Tot Ion:180 Resp: 9338
 Ion Ratio Lower Upper
 180 100
 182 90.8 48.0 144.2
 145 32.5 15.2 45.6



#95
 Naphthalene
 Concen: 7.099 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Tgt Ion:128 Resp: 50809
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.4
 129 11.4 8.8 13.2

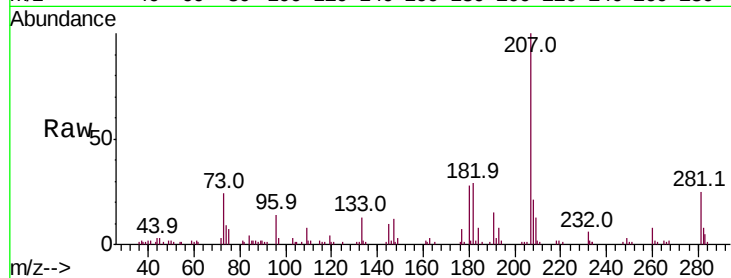




#96
 1,2,3-Trichlorobenzene
 Concen: 5.064 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059472.D
 Acq: 3 Dec 2019 15:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.5	145.5
145	35.9	16.1	48.2



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

