

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058935.D
 Acq On : 23 Oct 2019 17:14
 Operator : JC/SP
 Sample : K5507-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 01:15:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	326889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	535843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	215898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	255320	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
35) Dibromofluoromethane	7.57	113	177336	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.08	98	678803	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	236622	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3008	0.738	ug/l	94
4) Vinyl Chloride	2.17	62	11228	2.240	ug/l	96
11) Tert butyl alcohol	4.76	59	1375	1.728	ug/l #	72
13) Acrolein	3.79	56	4108	7.515	ug/l	93
15) Acrylonitrile	5.04	53	4188	2.093	ug/l #	37
16) Acetone	3.80	43	23275	9.824	ug/l #	77
17) Carbon Disulfide	4.04	76	7116	0.686	ug/l #	93
18) Methyl Acetate	4.04	43	8108	1.505	ug/l #	55
25) 2-Butanone	6.81	43	1516	0.493	ug/l #	51
26) 2,2-Dichloropropane	6.60	77	1408	0.220	ug/l #	55
27) cis-1,2-Dichloroethene	6.81	96	11163	2.746	ug/l	87
31) Cyclohexane	7.64	56	153602	22.294	ug/l	98
36) 1,1-Dichloropropene	7.65	75	27403	4.995	ug/l #	51
37) Ethyl Acetate	6.81	43	1516	0.254	ug/l #	1
38) Carbon Tetrachloride	7.65	117	32648	5.777	ug/l #	16
39) Methylcyclohexane	9.07	83	192174	31.198	ug/l	96
40) Benzene	8.02	78	62896	3.904	ug/l	100
43) Isopropyl Acetate	8.13	43	11846	1.236	ug/l #	56
45) 1,2-Dichloropropane	9.07	63	2182	0.494	ug/l #	1
48) Methyl methacrylate	9.26	41	10970	2.522	ug/l #	54
51) 4-Methyl-2-Pentanone	9.99	43	2113	0.377	ug/l	90
52) Toluene	10.15	92	39707	4.156	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	18023	4.580	ug/l #	18
56) Ethyl methacrylate	10.43	69	11344	3.742	ug/l #	21
67) Ethyl Benzene	11.51	91	830105	47.170	ug/l	98
68) m/p-Xylenes	11.63	106	217586	33.340	ug/l	99
69) o-Xylene	11.95	106	686540	110.300	ug/l	100
70) Styrene	11.95	104	35485	4.696	ug/l #	1
71) Bromoform	12.41	173	967	0.329	ug/l #	1
73) Isopropylbenzene	12.25	105	69444	4.401	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	126918	25.365	ug/l #	100
78) n-propylbenzene	12.60	91	90995	4.879	ug/l	99
79) 2-Chlorotoluene	12.66	91	12714	1.114	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.74	105	54267	4.094	ug/l	98

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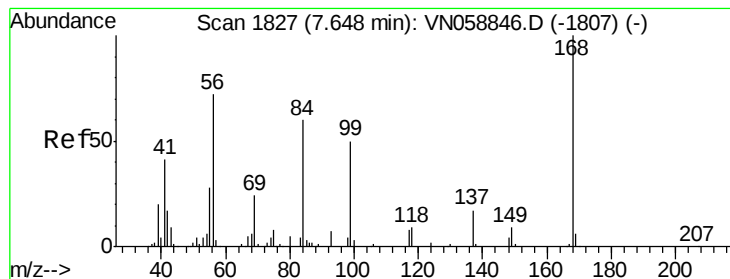
Instrument :
 MSVOA_N
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

81) trans-1,4-Dichloro-2-buten	12.40	75	126918	66.078	ug/l #	11
82) 4-Chlorotoluene	12.73	91	6152	0.527	ug/l #	43
83) tert-Butylbenzene	13.00	119	4250	0.375	ug/l #	36
84) 1,2,4-Trimethylbenzene	13.04	105	418282	31.990	ug/l	98
85) sec-Butylbenzene	13.18	105	23279	1.540	ug/l	84
86) p-Isopropyltoluene	13.29	119	17076	1.280	ug/l	98
89) n-Butylbenzene	13.59	91	2837	0.232	ug/l #	1
90) Hexachloroethane	13.90	117	7002	2.591	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	697	0.555	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.93	180	30	2.527	ug/l #	1
95) Naphthalene	15.13	128	62567	7.060	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

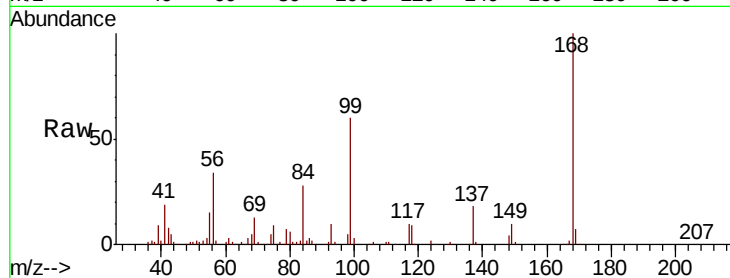
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 326889

Ion Ratio Lower Upper

168 100

99 60.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

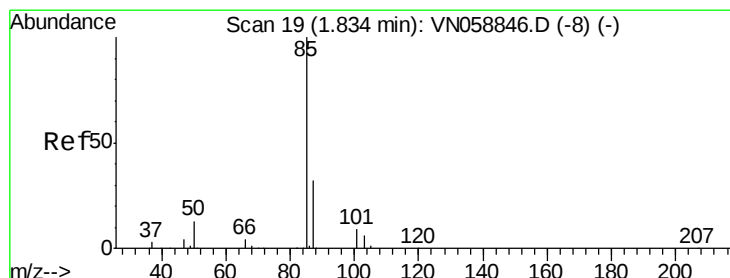
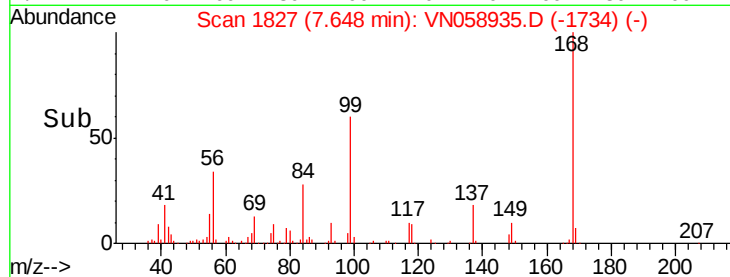
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.738 ug/l

RT: 2.01 min Scan# 73

Delta R.T. 0.17 min

Lab File: VN058935.D

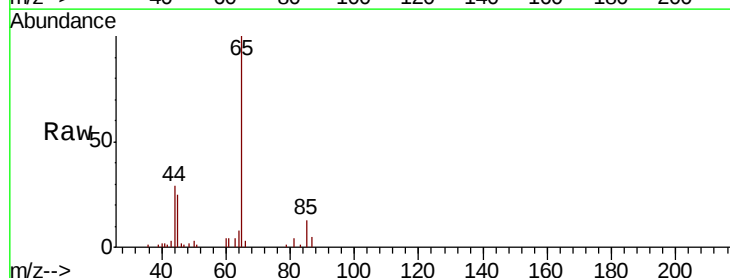
Acq: 23 Oct 2019 17:14

Tgt Ion: 85 Resp: 3008

Ion Ratio Lower Upper

85 100

87 35.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

2.01

2500

2000

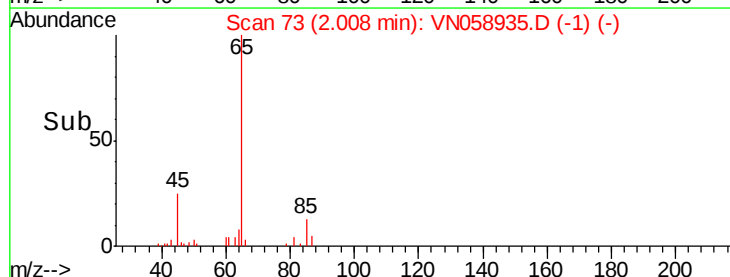
1500

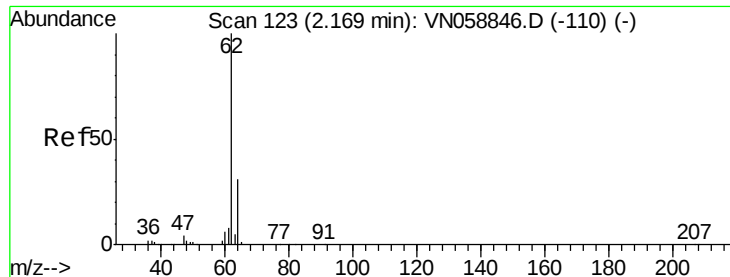
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 2.240 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

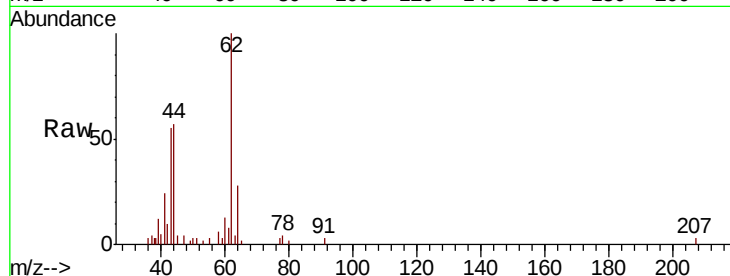
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 62 Resp: 11228

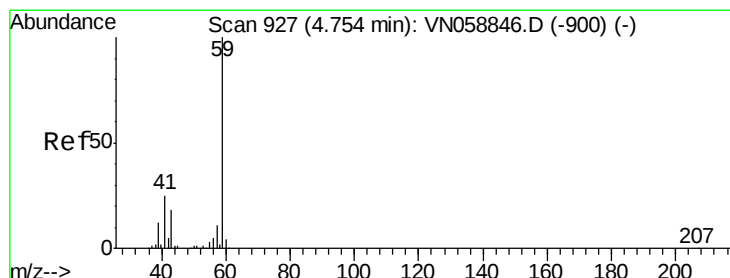
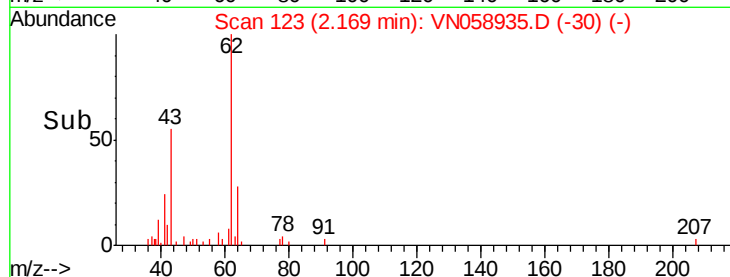
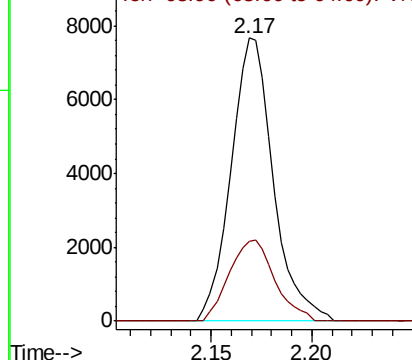
Ion Ratio Lower Upper

62 100

64 28.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 63.90 (63.60 to 64.60): VN0



#11

Tert butyl alcohol

Concen: 1.728 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058935.D

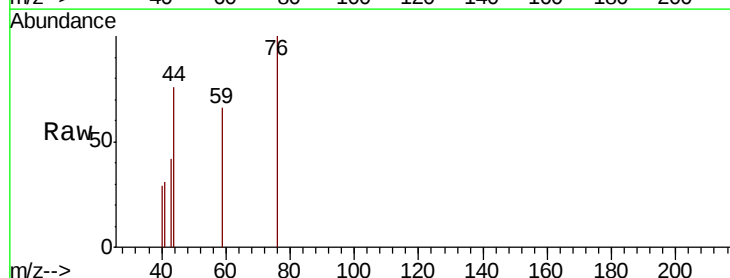
Acq: 23 Oct 2019 17:14

Tgt Ion: 59 Resp: 1375

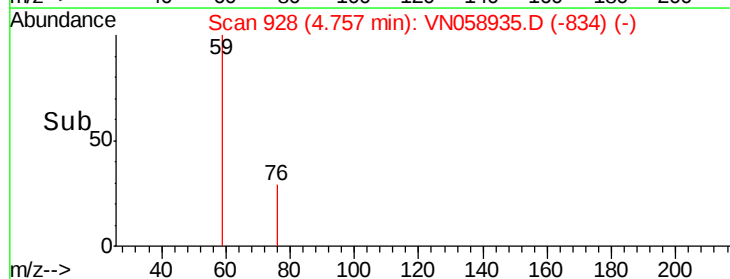
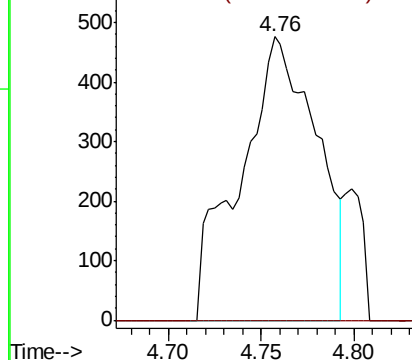
Ion Ratio Lower Upper

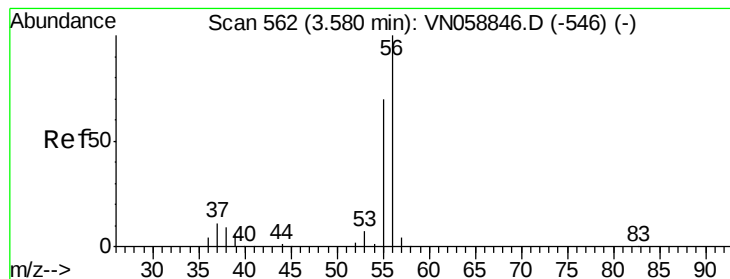
59 100

57 0.0 8.6 12.8#



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





#13

Acrolein

Concen: 7.515 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.21 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

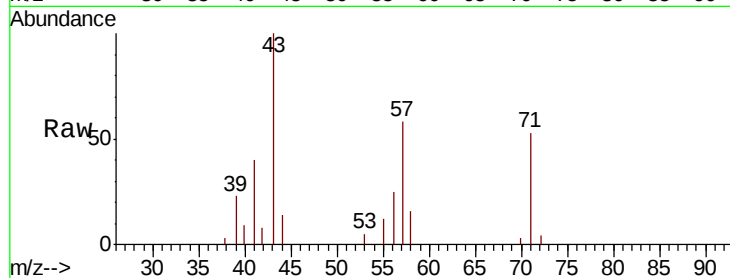
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4108

Ion Ratio Lower Upper

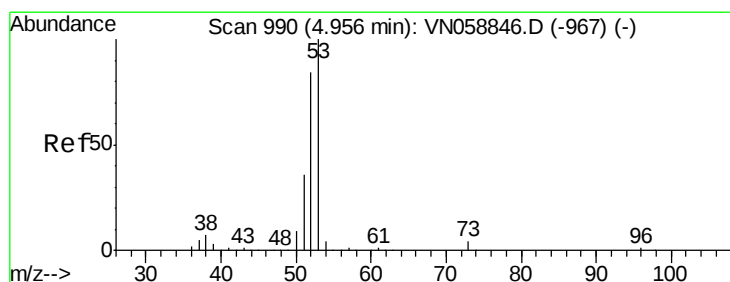
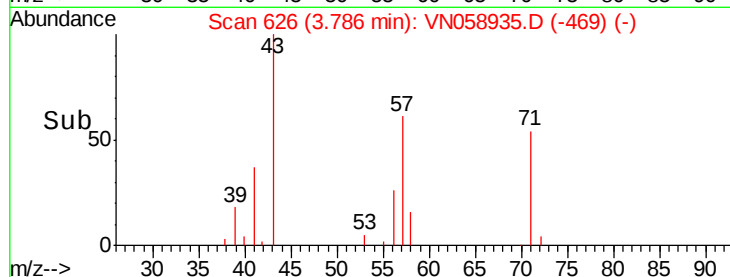
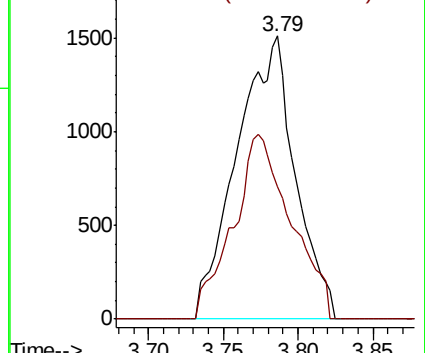
56 100

55 64.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 2.093 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.08 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

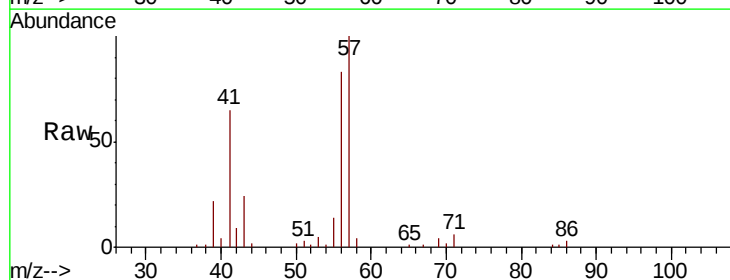
Tgt Ion: 53 Resp: 4188

Ion Ratio Lower Upper

53 100

52 4.4 66.6 99.8#

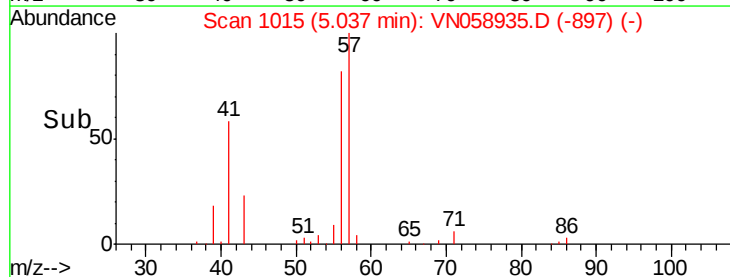
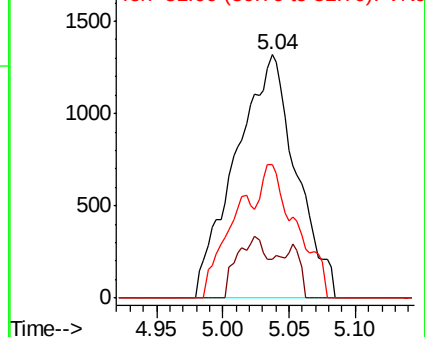
51 32.9 29.2 43.8

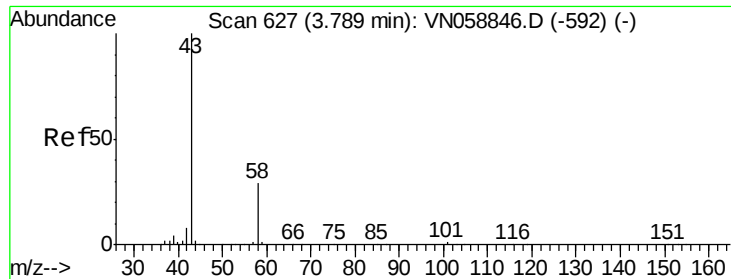


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 9.824 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

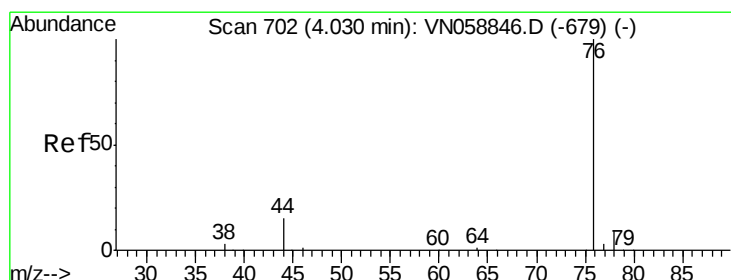
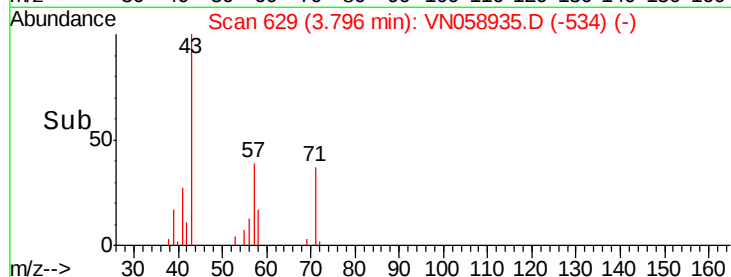
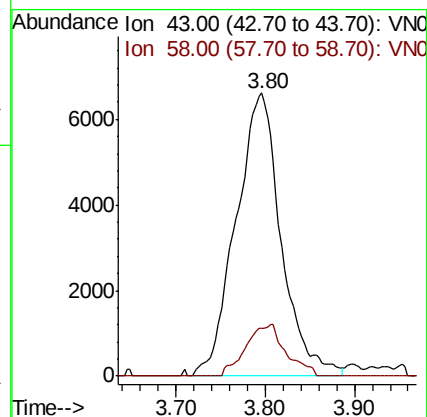
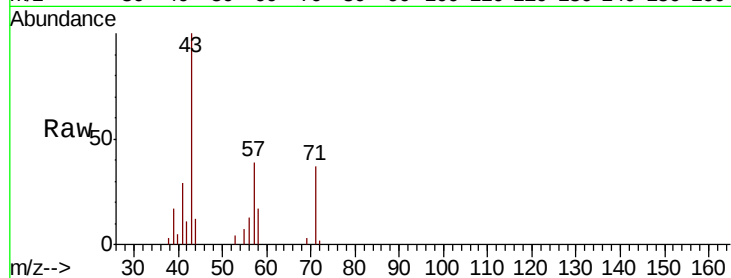
ClientSampleId :

Tot Ion: 43 Resp: 23275

Ion Ratio Lower Upper

43 100

58 16.9 23.1 34.7#



#17

Carbon Disulfide

Concen: 0.686 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058935.D

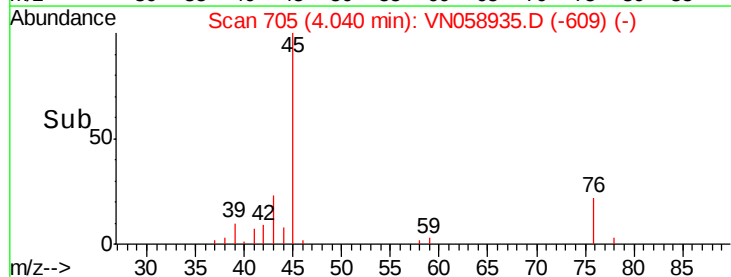
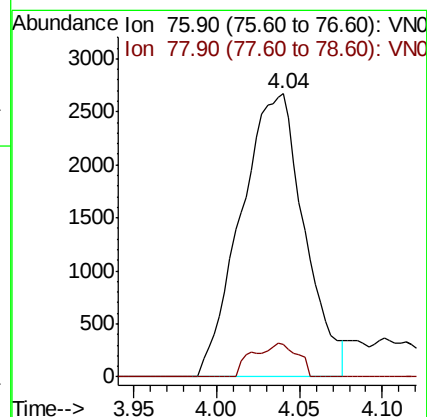
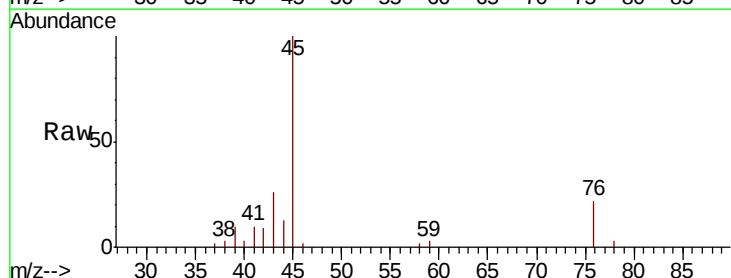
Acq: 23 Oct 2019 17:14

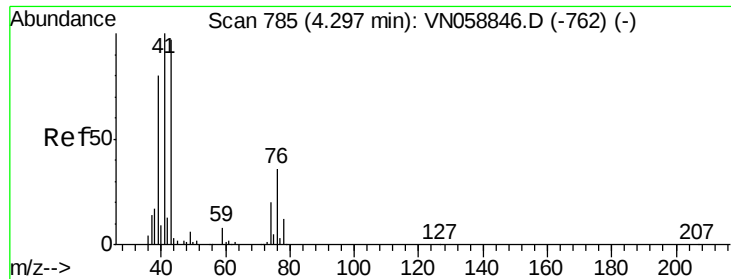
Tgt Ion: 76 Resp: 7116

Ion Ratio Lower Upper

76 100

78 11.5 7.1 10.7#

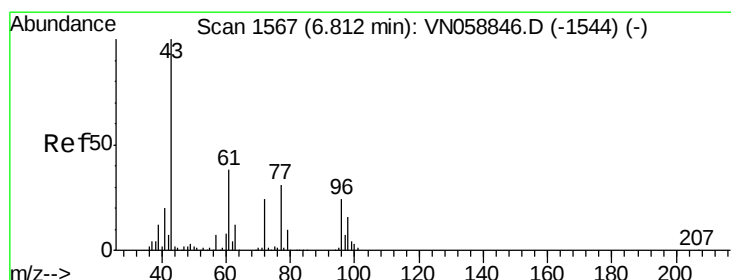
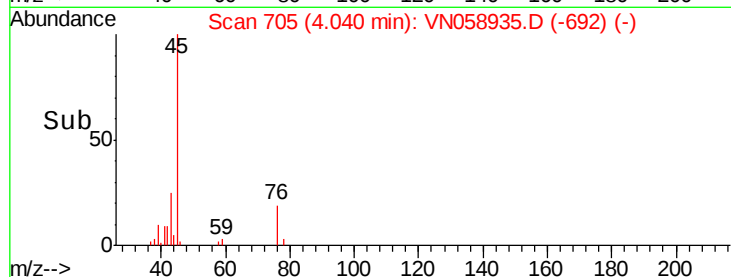
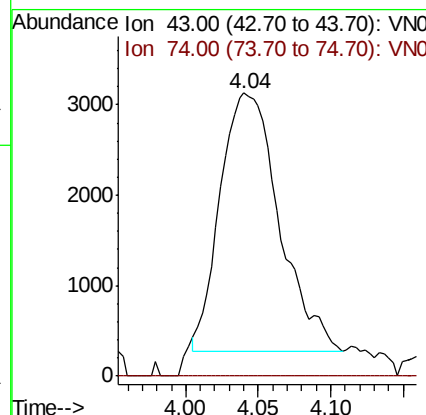
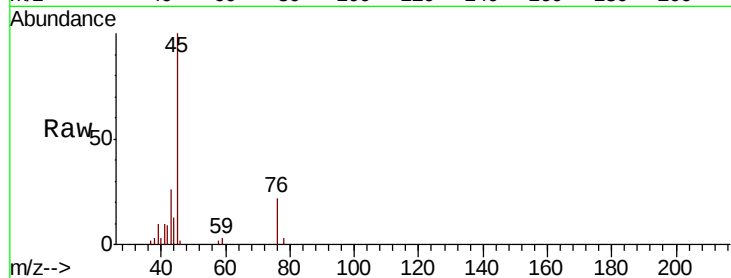




#18
Methyl Acetate
Concen: 1.505 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.26 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

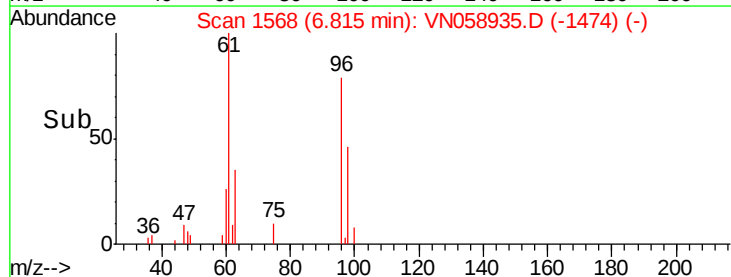
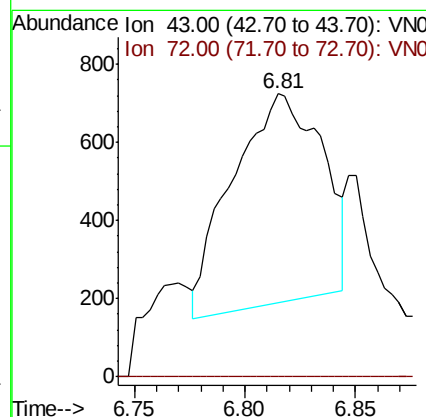
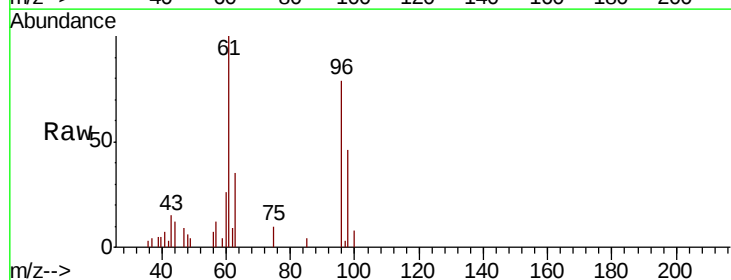
Instrument :
MSVOA_N
ClientSampled :

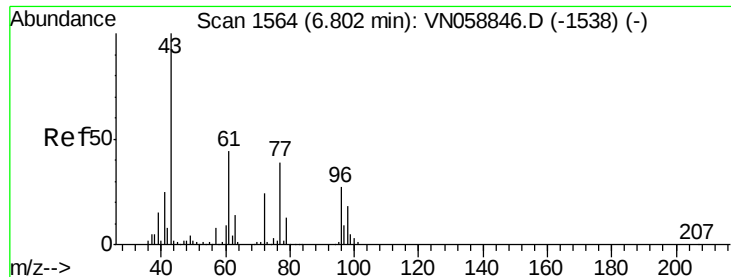
Tot Ion: 43 Resp: 8108
Ion Ratio Lower Upper
43 100
74 0.0 17.1 25.7#



#25
2-Butanone
Concen: 0.493 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#

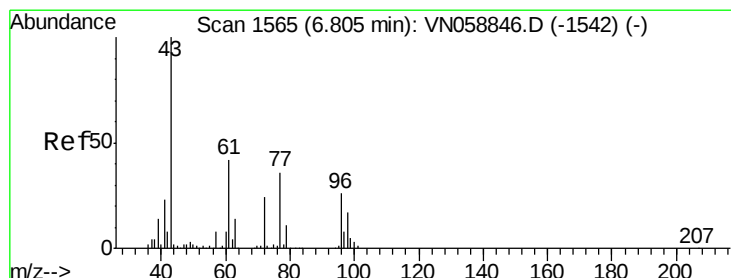
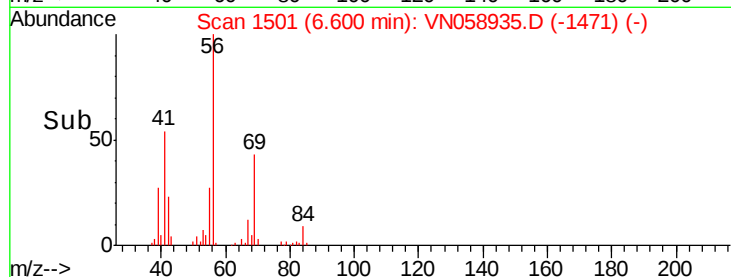
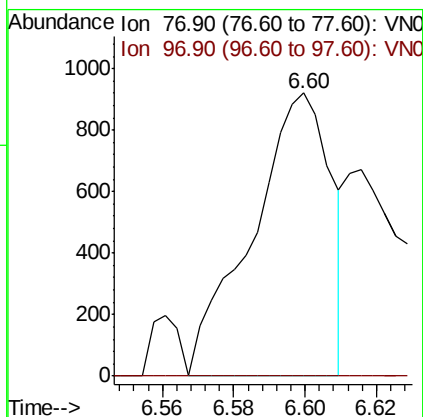
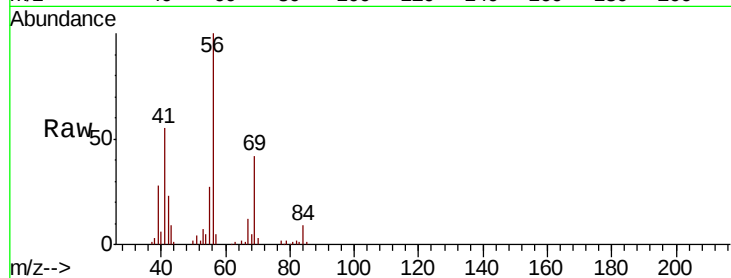




#26
 2,2-Dichloropropane
 Concen: 0.220 ug/l
 RT: 6.60 min Scan# 1501
 Delta R.T. -0.20 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

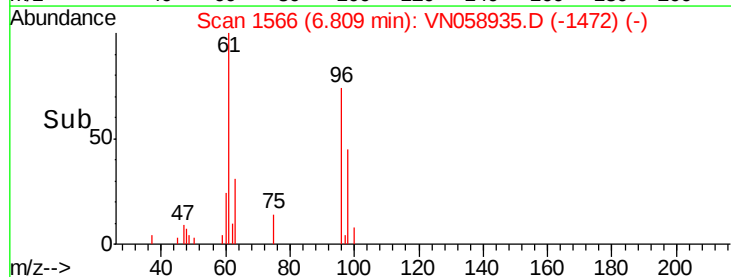
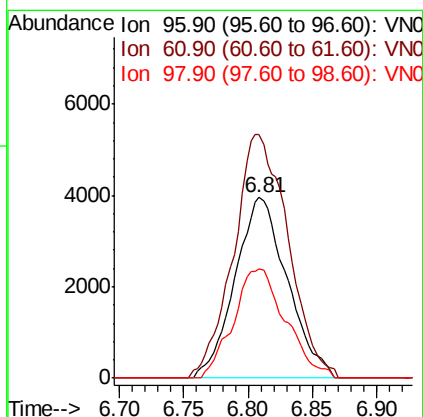
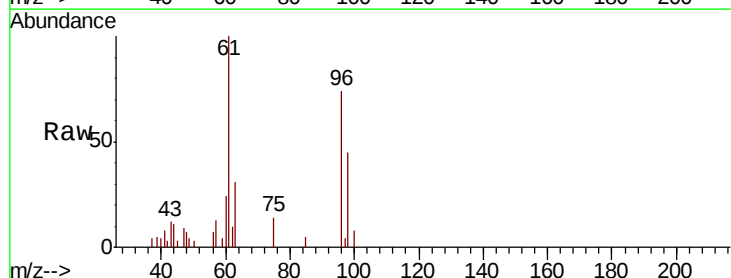
Instrument :
 MSVOA_N
 ClientSampled :

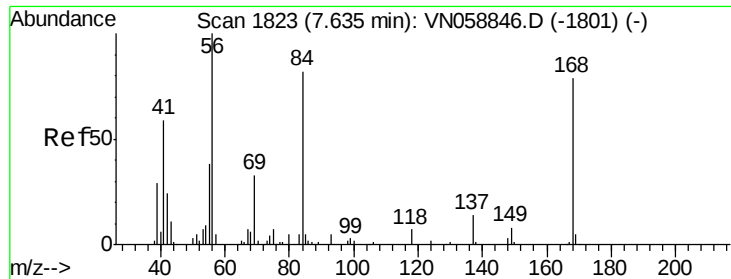
Tot Ion: 77 Resp: 1408
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.6 31.8#



#27
 cis-1,2-Dichloroethene
 Concen: 2.746 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

Tgt Ion: 96 Resp: 11163
 Ion Ratio Lower Upper
 96 100
 61 140.2 0.0 325.0
 98 60.3 0.0 128.0

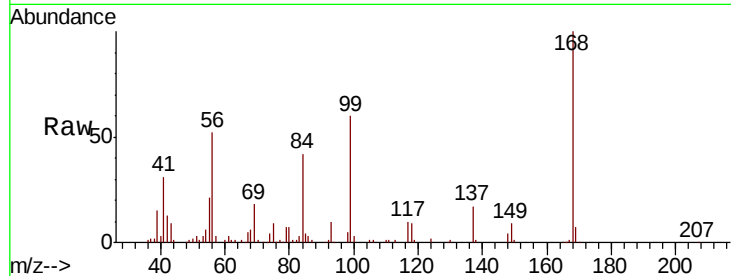




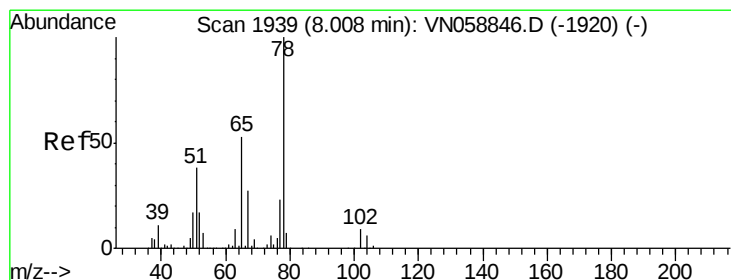
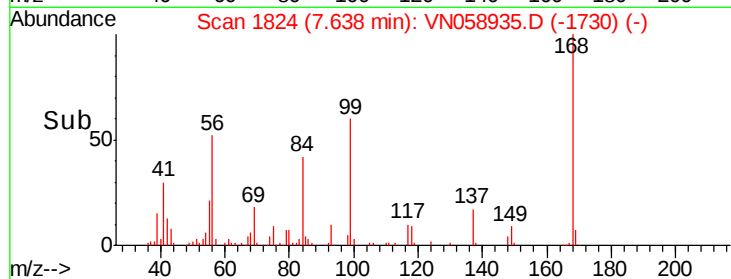
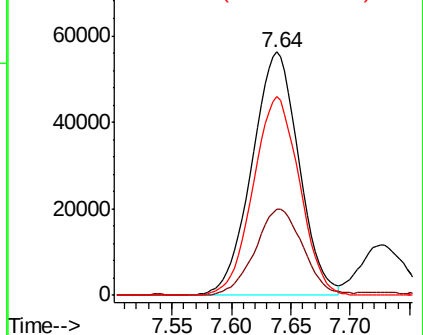
#31
Cyclohexane
Concen: 22.294 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 153602
Ion Ratio Lower Upper
56 100
69 35.3 26.2 39.4
84 81.6 65.6 98.4

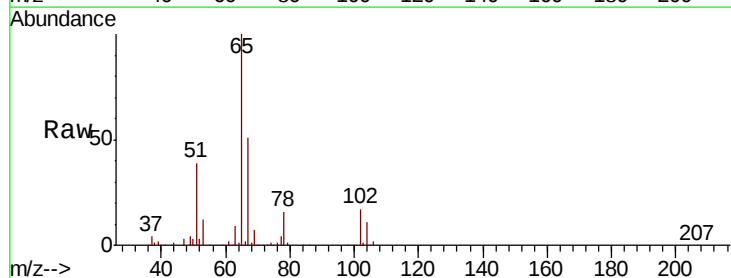


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

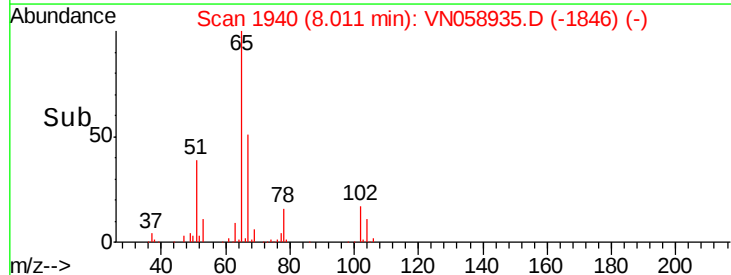
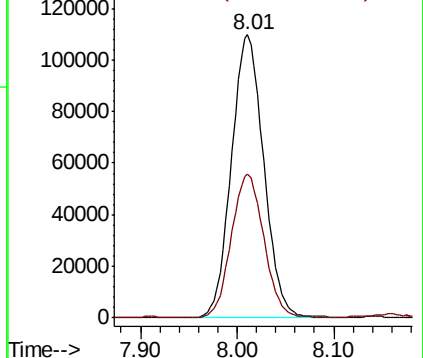


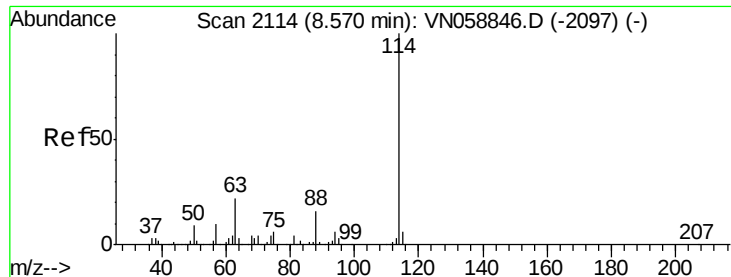
#33
1,2-Dichloroethane-d4
Concen: 53.255 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion: 65 Resp: 255320
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.2



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

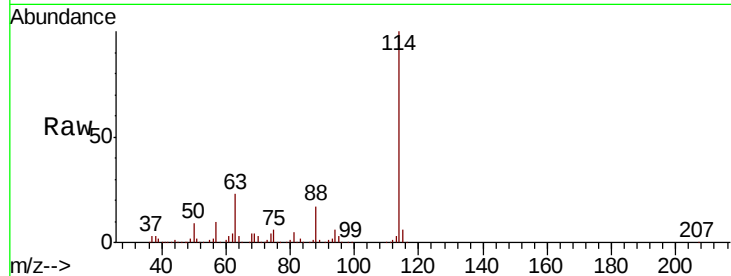




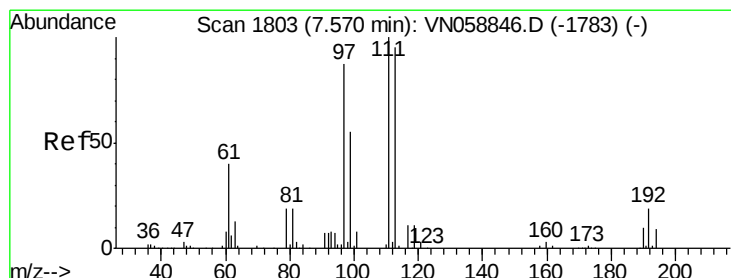
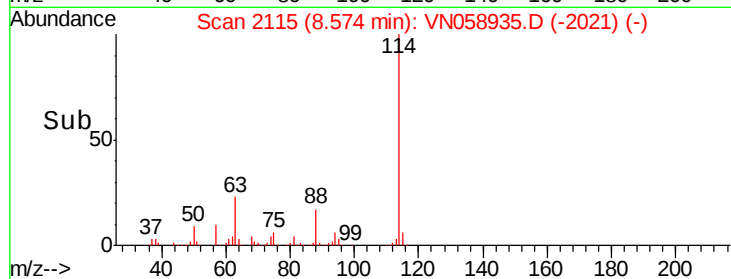
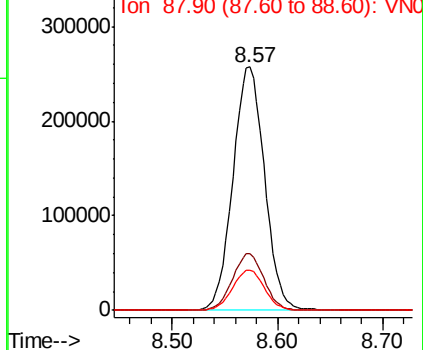
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	44.4
88	16.6	0.0	31.4

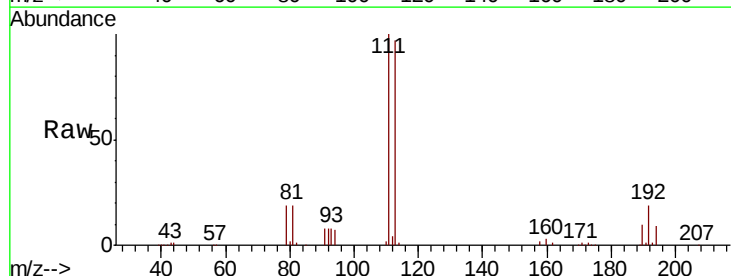


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

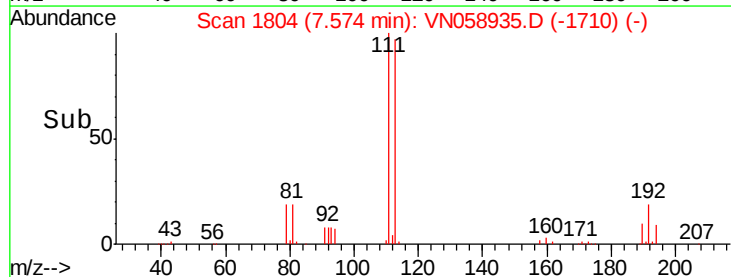
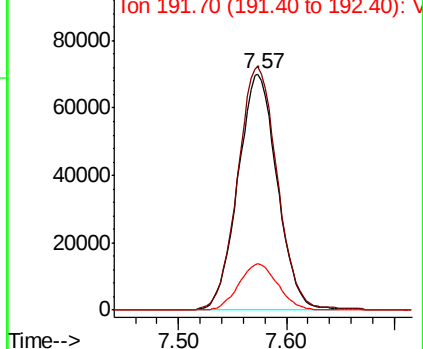


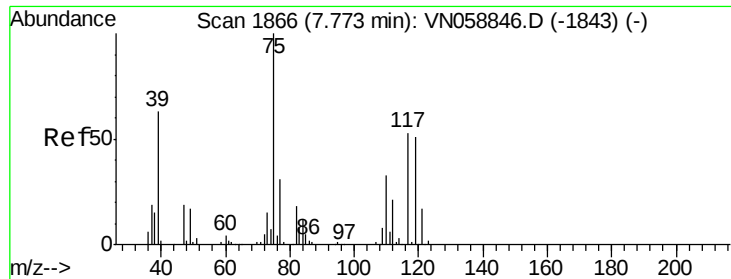
#35
 Dibromofluoromethane
 Concen: 50.336 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	19.3	15.0	22.6



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

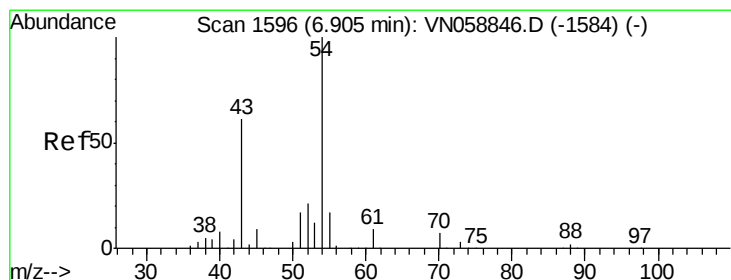
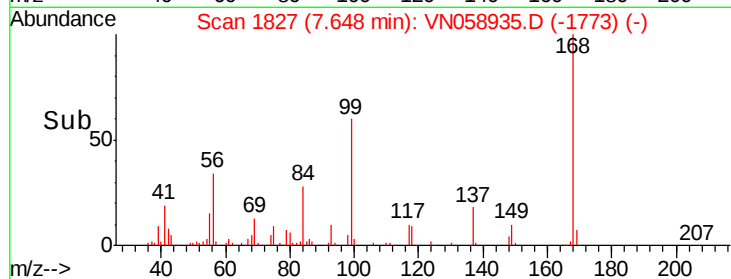
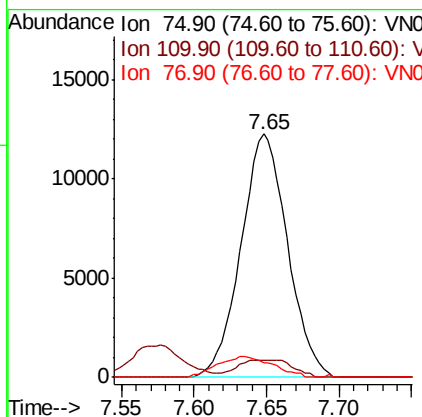
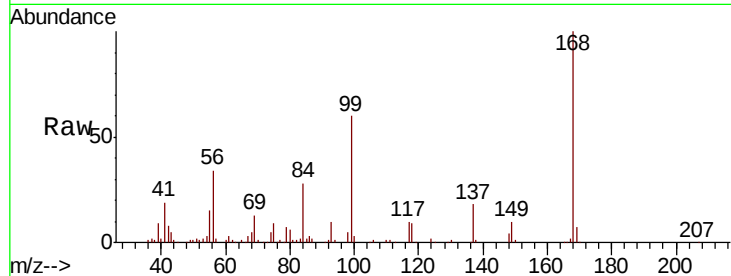




#36
 1,1-Dichloropropene
 Concen: 4.995 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

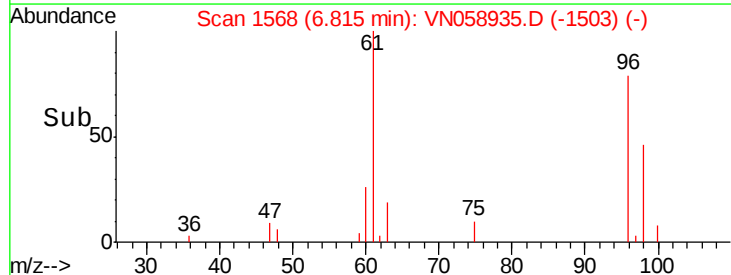
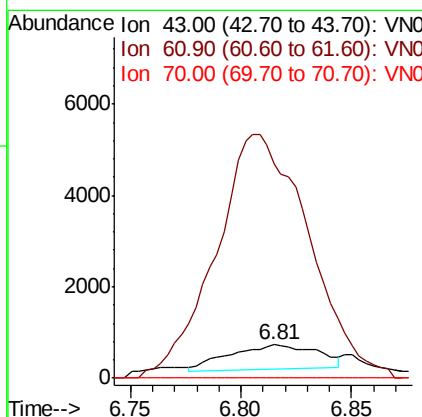
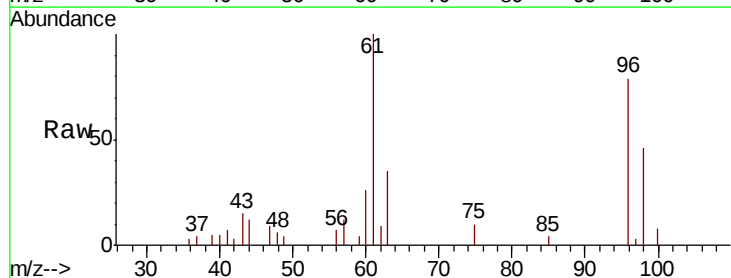
Instrument :
 MSVOA_N
 ClientSampled :

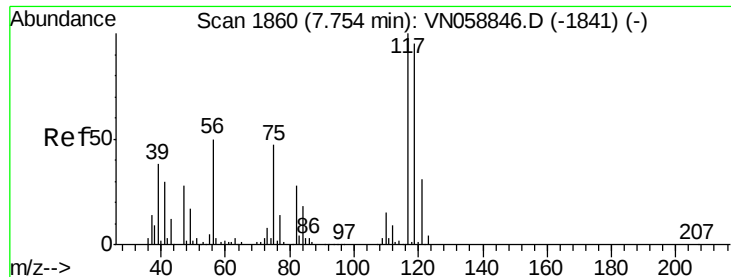
Tot Ion: 75 Resp: 27403
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.3 48.9#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 0.254 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.09 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

Tgt Ion: 43 Resp: 1516
 Ion Ratio Lower Upper
 43 100
 61 1032.7 10.5 15.7#
 70 0.0 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 5.777 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampled :

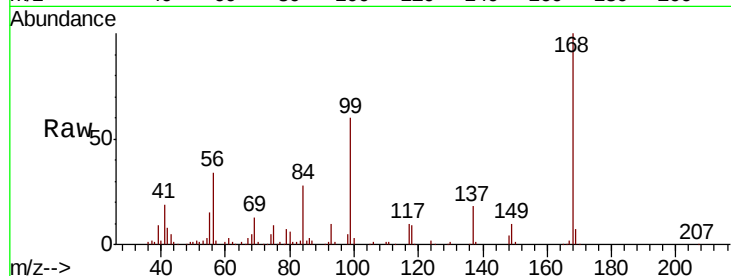
Tot Ion:117 Resp: 32648

Ion Ratio Lower Upper

117 100

119 4.0 75.7 113.5#

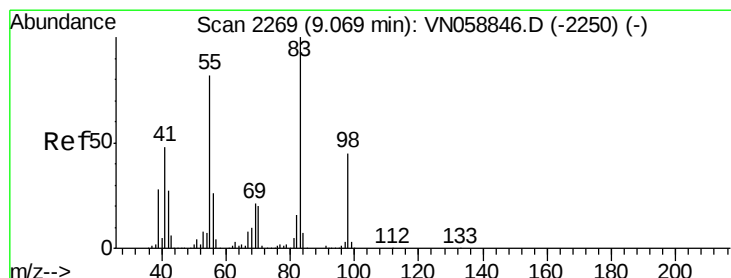
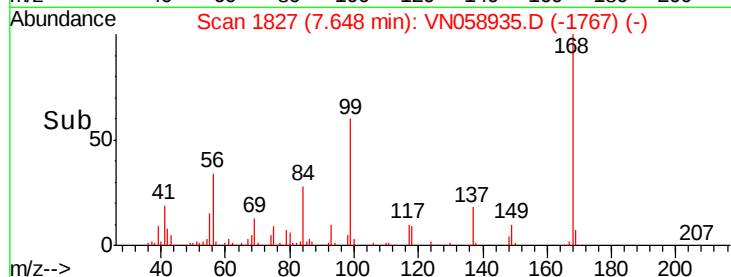
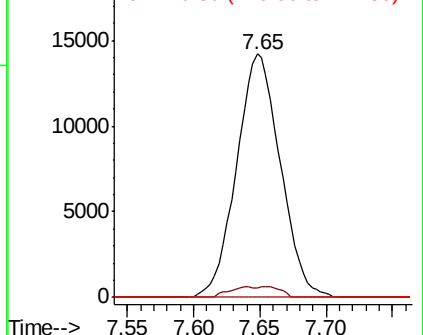
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 31.198 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

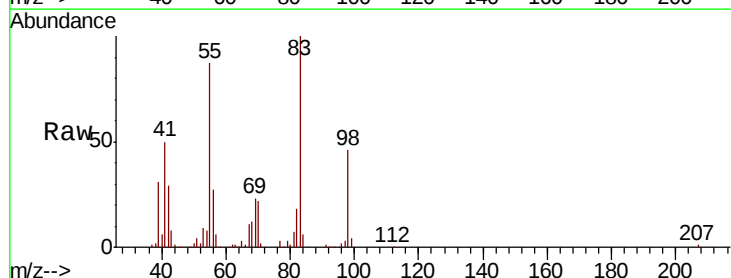
Tgt Ion: 83 Resp: 192174

Ion Ratio Lower Upper

83 100

55 86.2 65.5 98.3

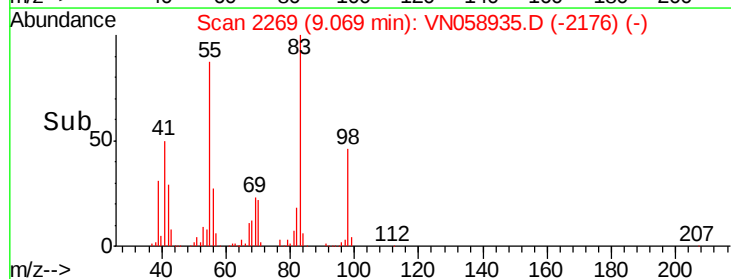
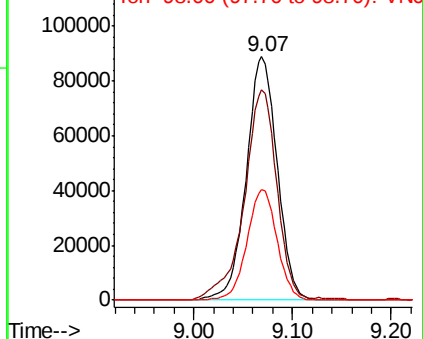
98 45.6 35.7 53.5

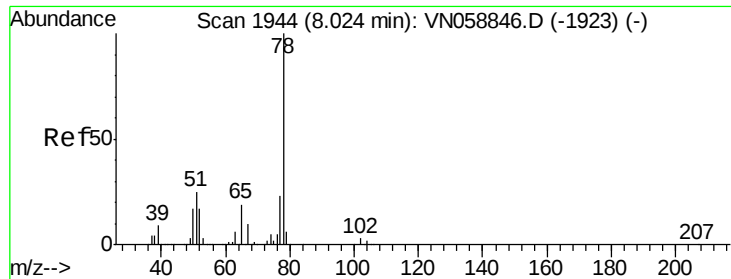


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

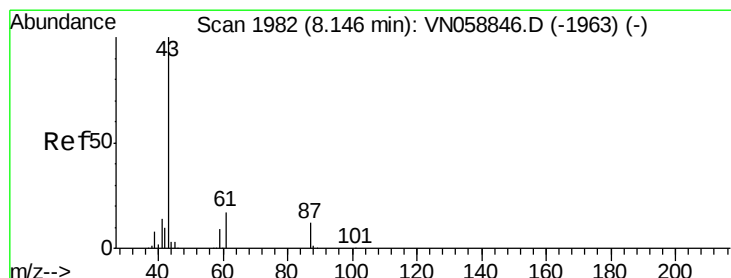
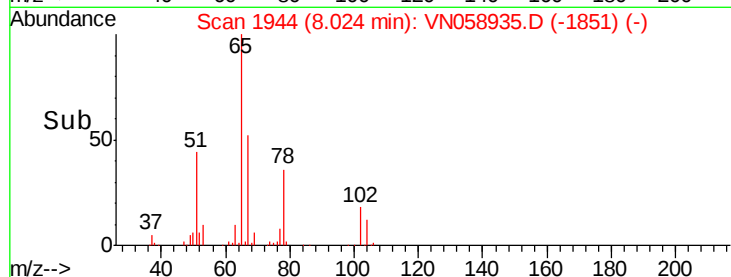
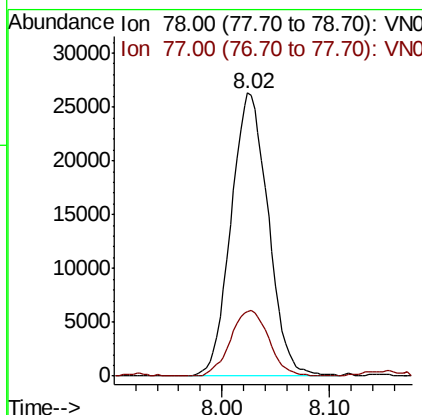
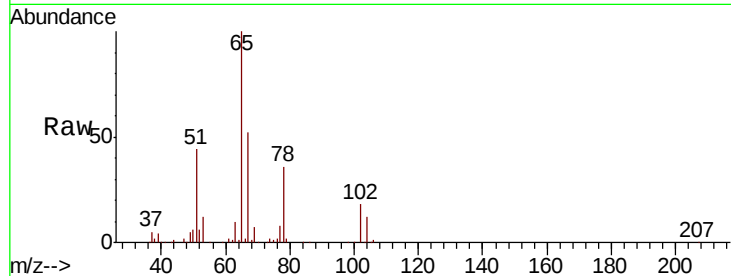




#40
Benzene
Concen: 3.904 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

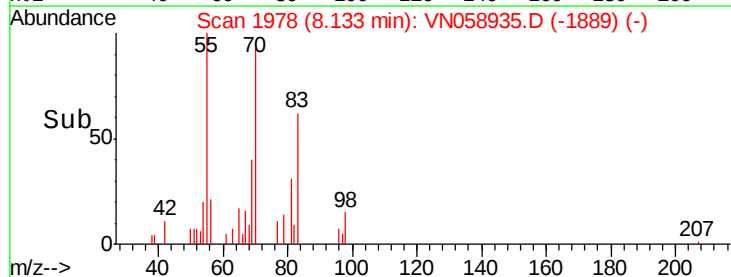
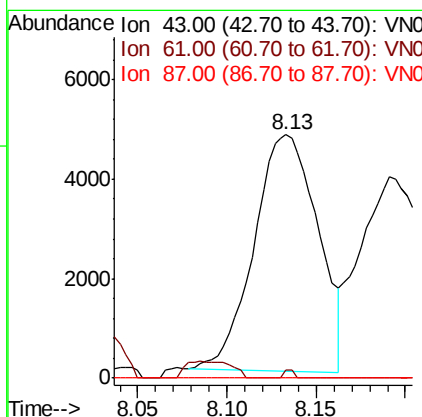
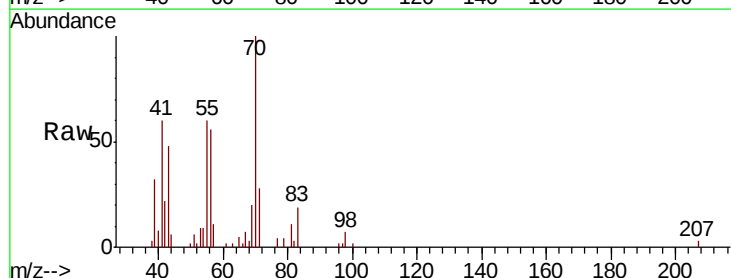
Instrument :
MSVOA_N
ClientSampled :

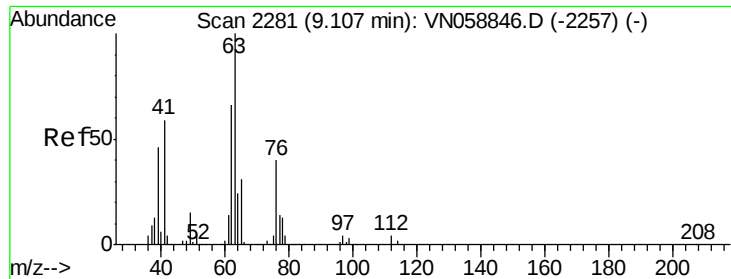
Tot Ion: 78 Resp: 62896
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.2



#43
Isopropyl Acetate
Concen: 1.236 ug/l
RT: 8.13 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion: 43 Resp: 11846
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 9.5 14.3#





#45

1,2-Dichloropropane

Concen: 0.494 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.04 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

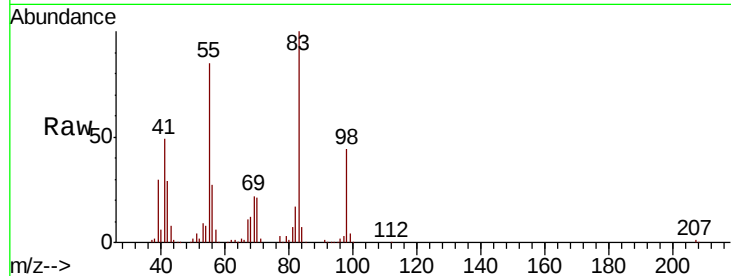
ClientSampled :

Tot Ion: 63 Resp: 2182

Ion Ratio Lower Upper

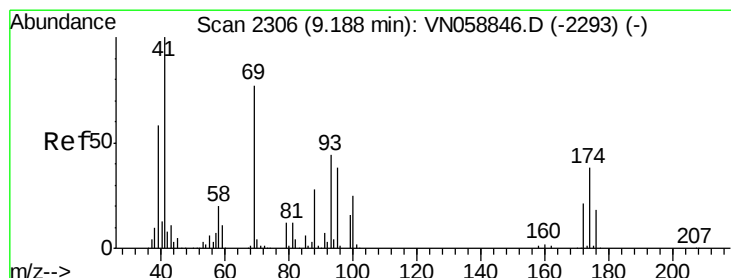
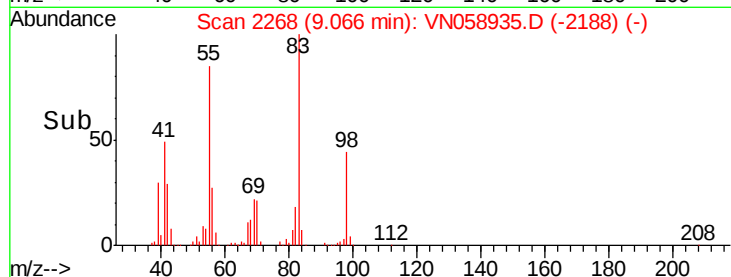
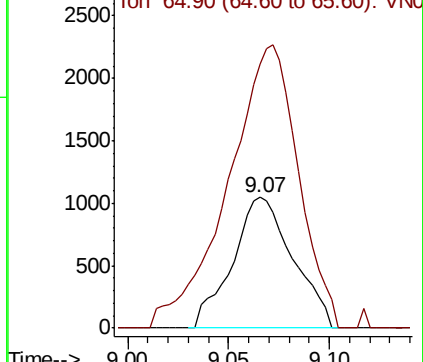
63 100

65 202.8 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 2.522 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.07 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

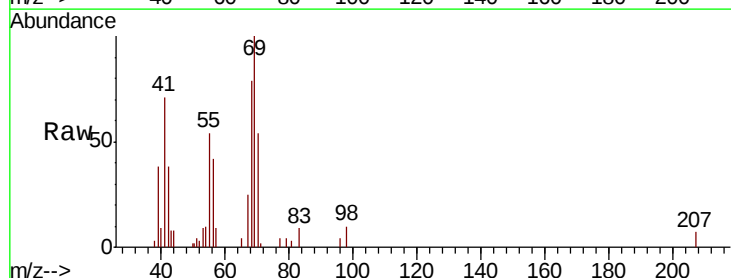
Tgt Ion: 41 Resp: 10970

Ion Ratio Lower Upper

41 100

69 146.4 63.8 95.6#

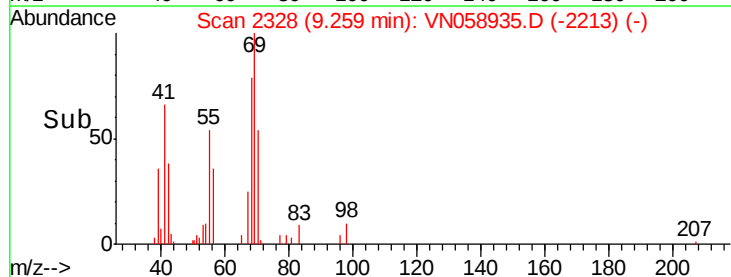
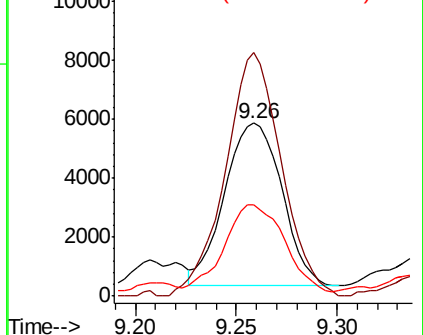
39 54.9 47.8 71.8

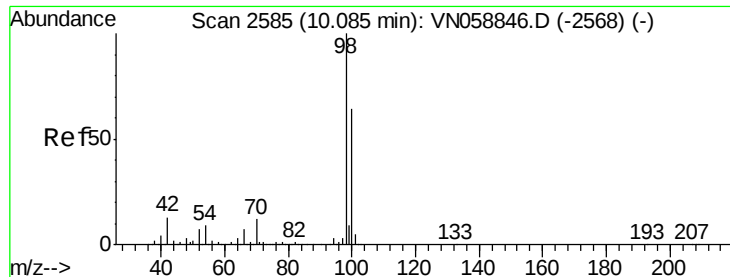


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 49.635 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

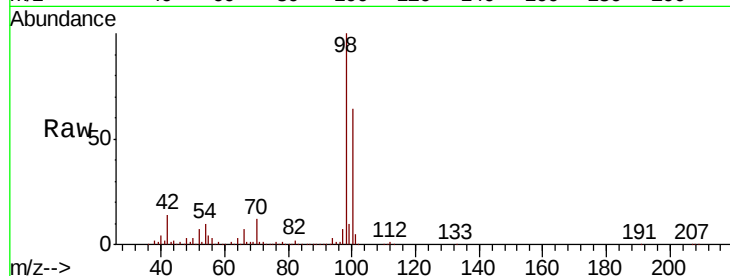
ClientSampled :

Tot Ion: 98 Resp: 678803

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

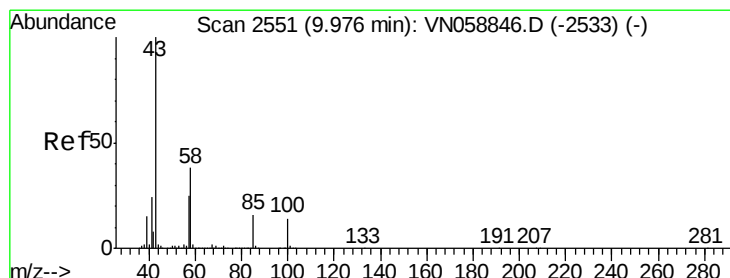
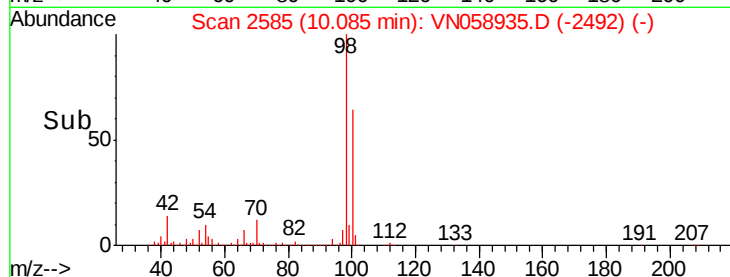
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.377 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN058935.D

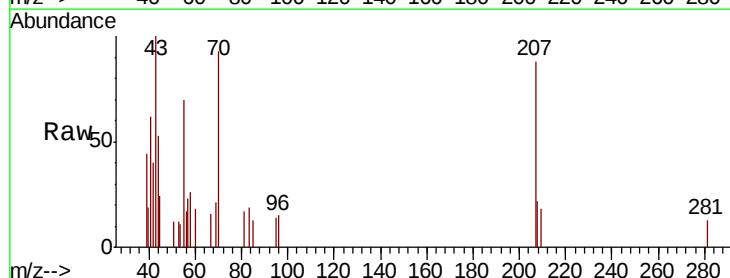
Acq: 23 Oct 2019 17:14

Tgt Ion: 43 Resp: 2113

Ion Ratio Lower Upper

43 100

58 31.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

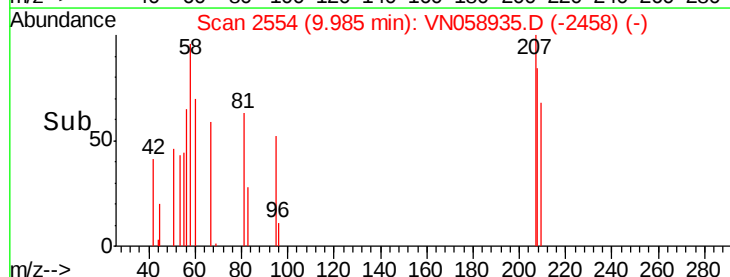
1500

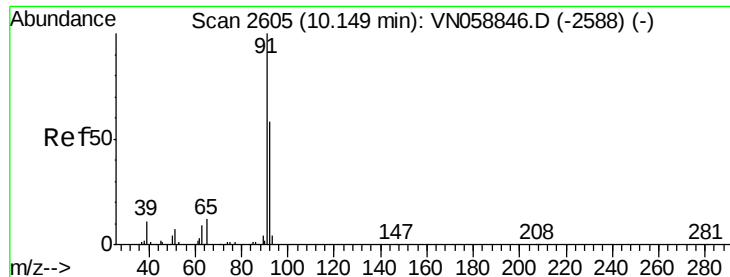
1000

500

0

Time-->





#52

Toluene

Concen: 4.156 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

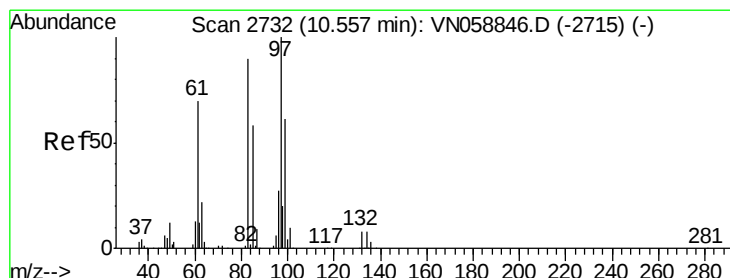
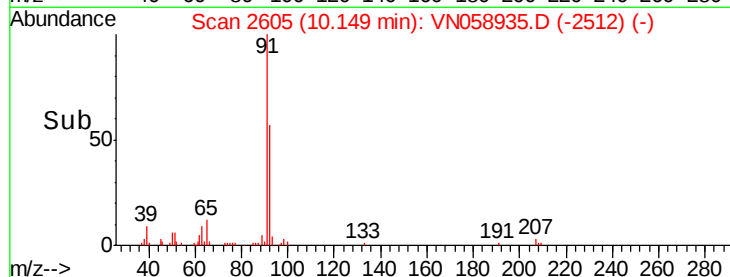
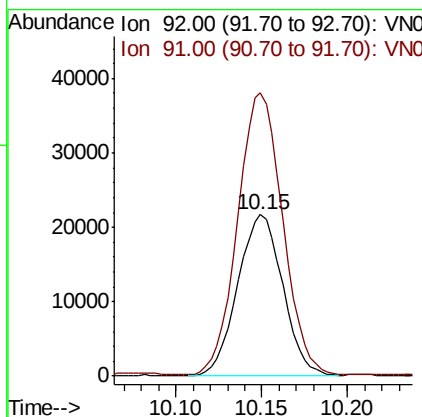
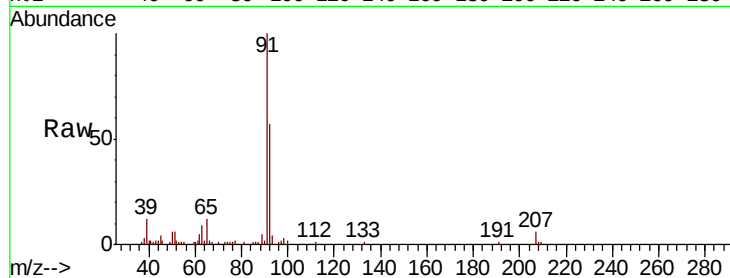
ClientSampleId :

Tot Ion: 92 Resp: 39707

Ion Ratio Lower Upper

92 100

91 173.5 138.9 208.3



#55

1,1,2-Trichloroethane

Concen: 4.580 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Tgt Ion: 97 Resp: 18023

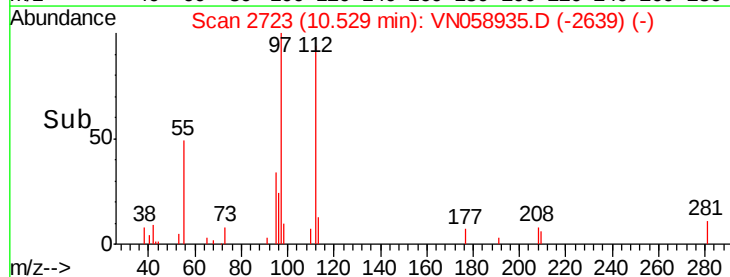
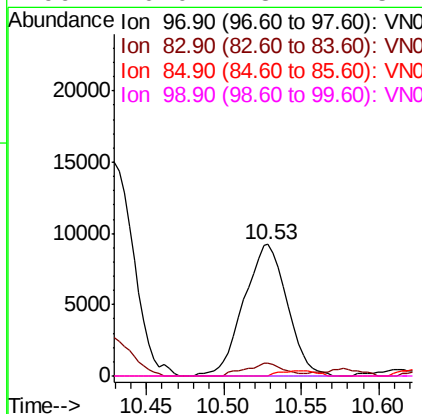
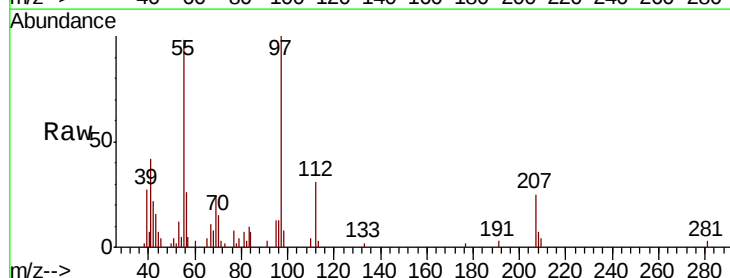
Ion Ratio Lower Upper

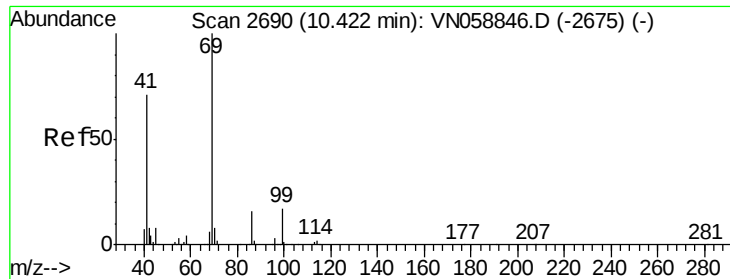
97 100

83 9.7 72.2 108.4#

85 0.0 46.2 69.2#

99 0.0 48.7 73.1#

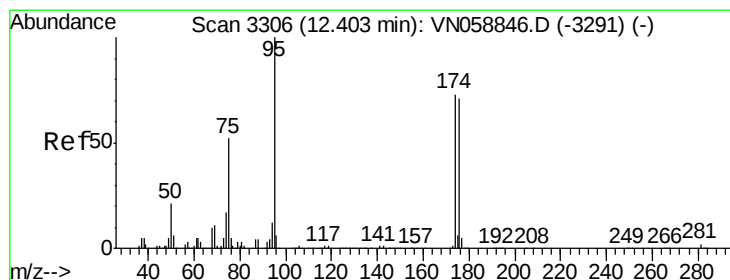
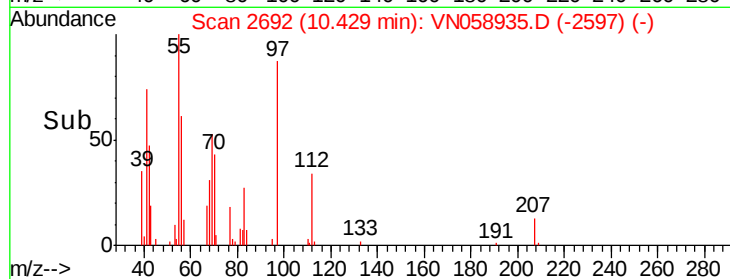
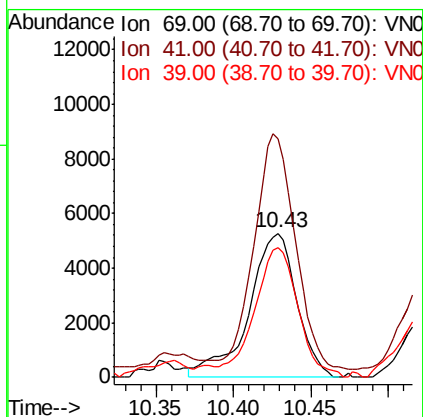
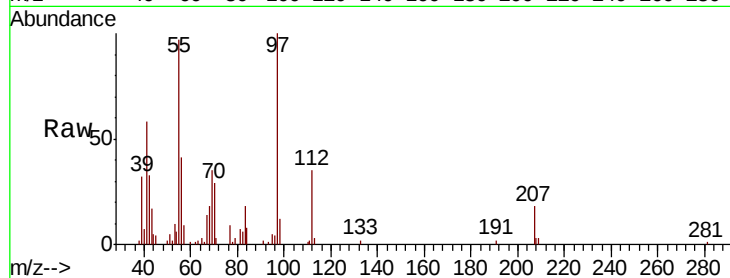




#56
Ethyl methacrylate
Concen: 3.742 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.01 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

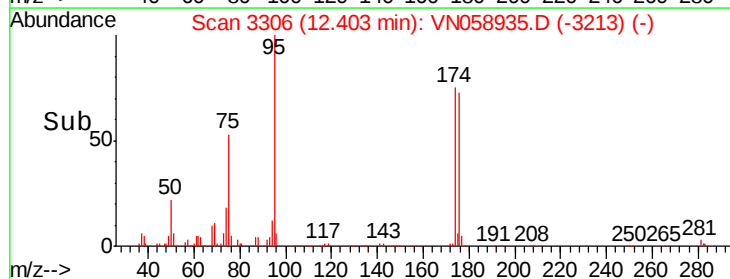
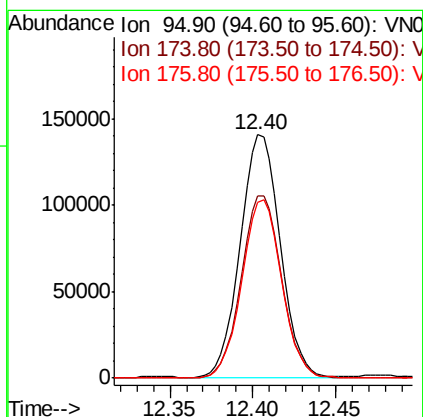
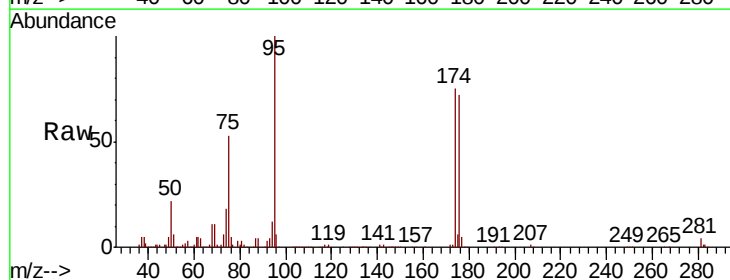
Instrument :
MSVOA_N
ClientSampled :

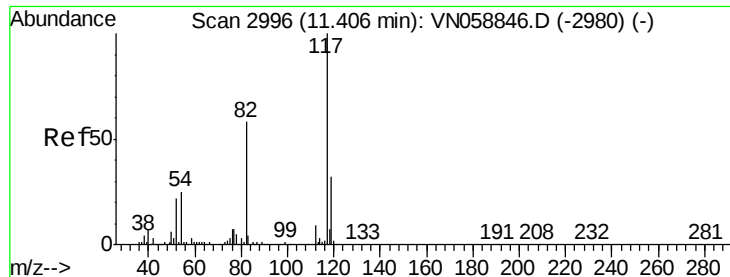
Tot Ion: 69 Resp: 11344
Ion Ratio Lower Upper
69 100
41 141.3 57.2 85.8#
39 81.9 31.0 46.4#



#62
4-Bromofluorobenzene
Concen: 47.116 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion: 95 Resp: 236622
Ion Ratio Lower Upper
95 100
174 75.8 0.0 147.6
176 73.4 0.0 143.2

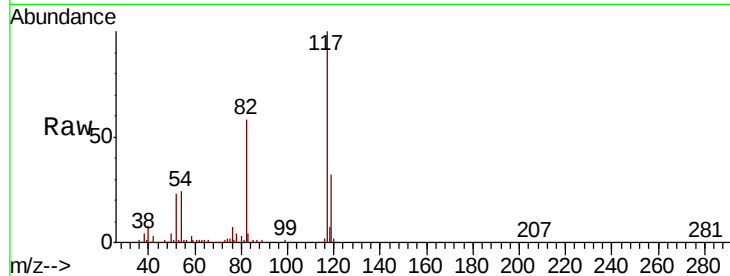




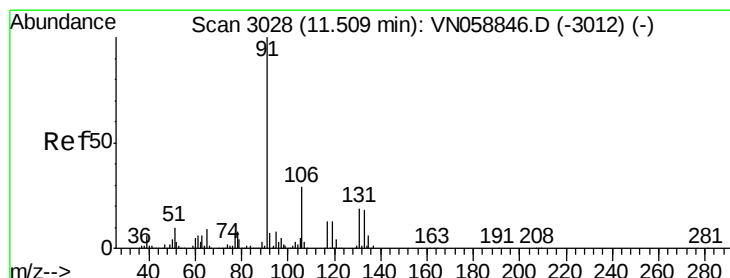
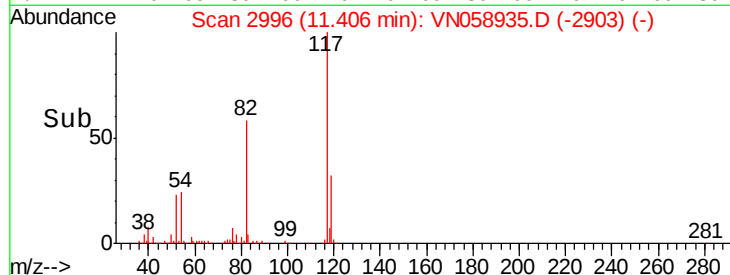
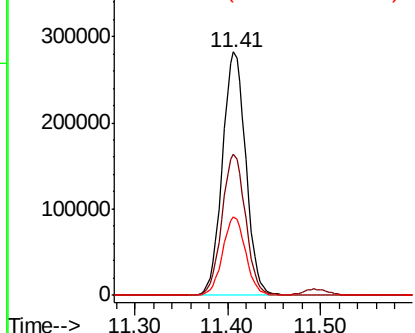
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 492757
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 32.0 25.6 38.4

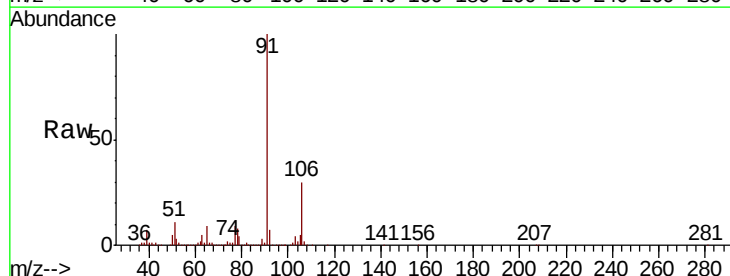


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

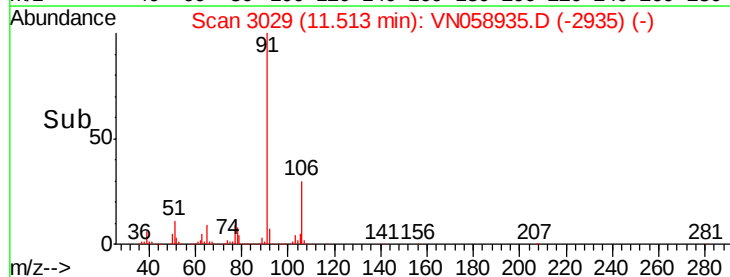
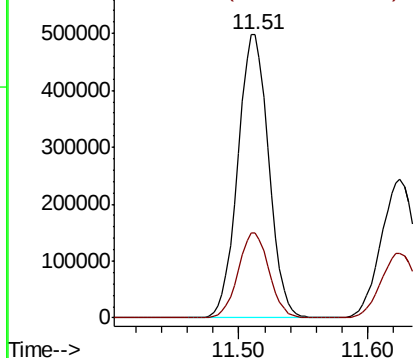


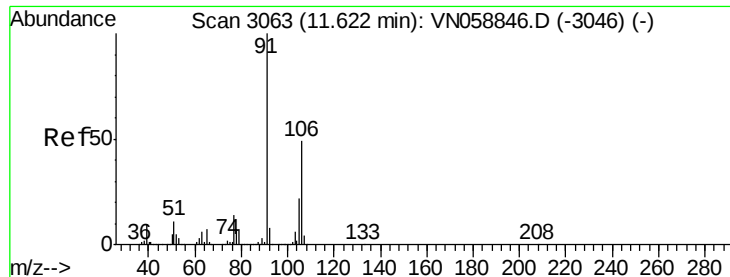
#67
Ethyl Benzene
Concen: 47.170 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion: 91 Resp: 830105
Ion Ratio Lower Upper
91 100
106 30.0 23.4 35.0



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

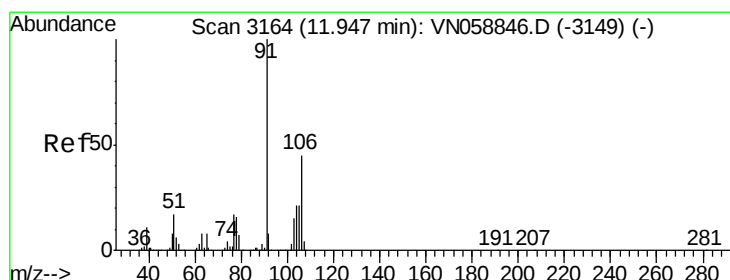
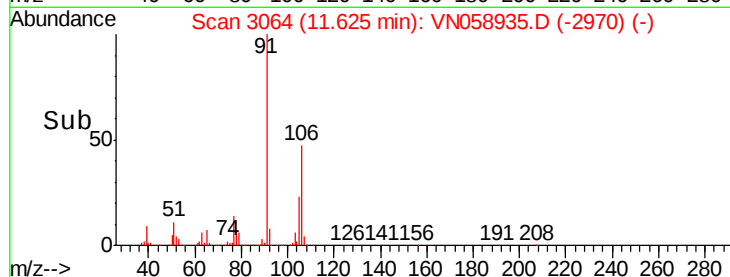
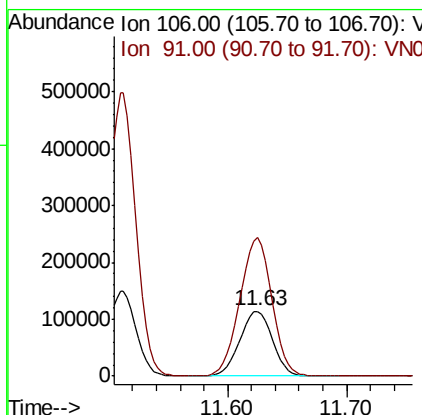
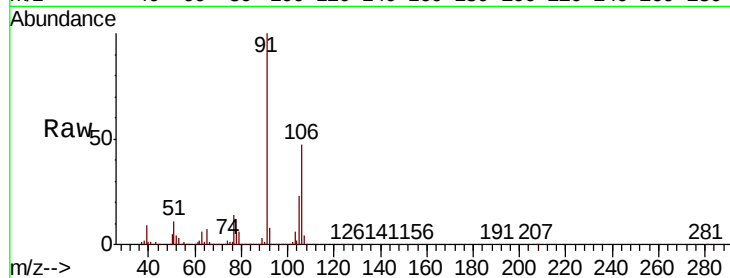




#68
m/p-Xylenes
Concen: 33.340 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

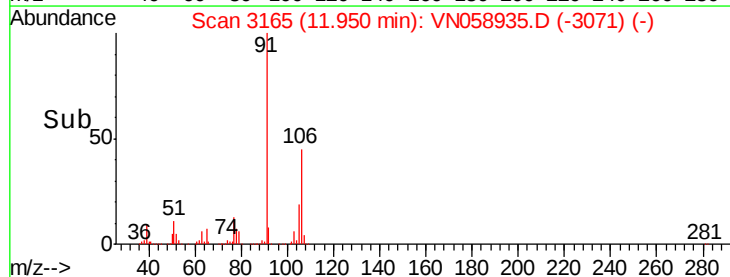
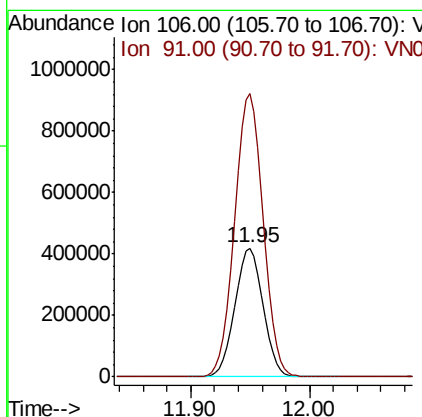
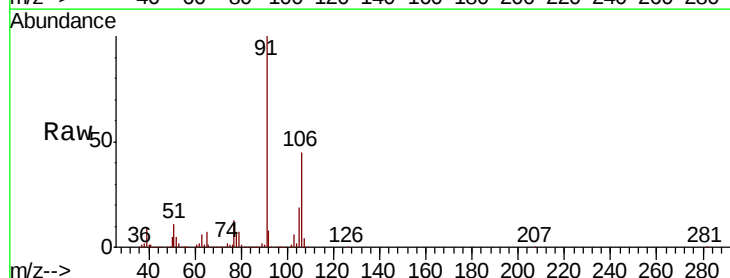
Instrument :
MSVOA_N
ClientSampleId :

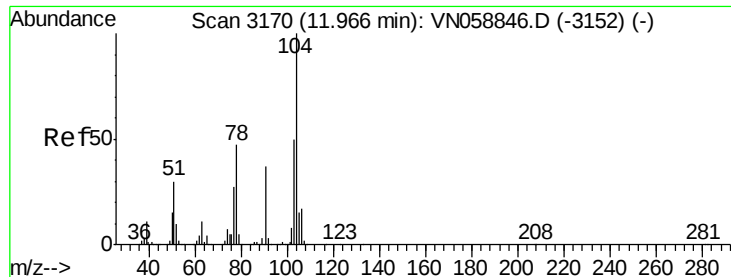
Tot Ion:106 Resp: 217586
Ion Ratio Lower Upper
106 100
91 209.3 166.6 249.8



#69
o-Xylene
Concen: 110.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion:106 Resp: 686540
Ion Ratio Lower Upper
106 100
91 223.1 111.5 334.4

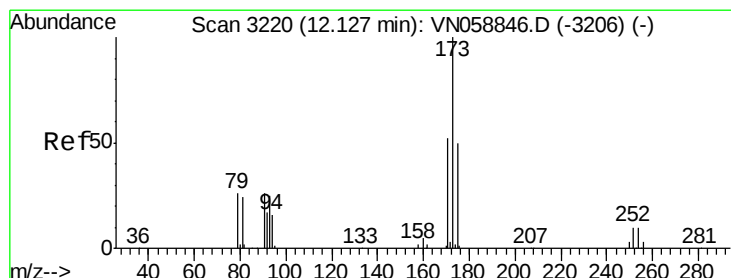
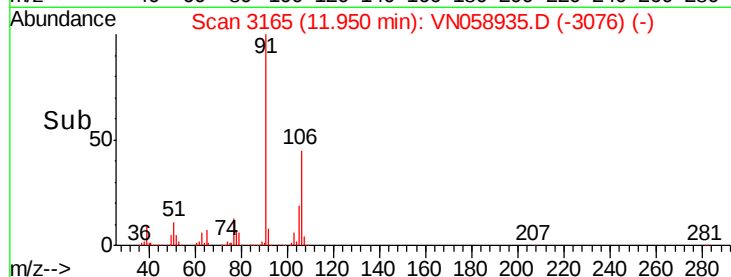
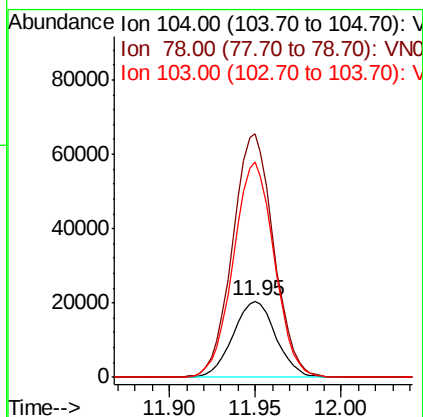
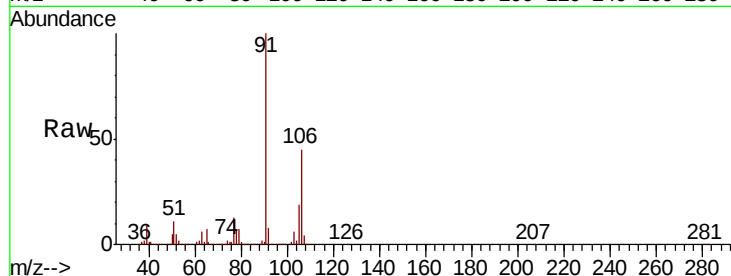




#70
Stvrene
Concen: 4.696 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

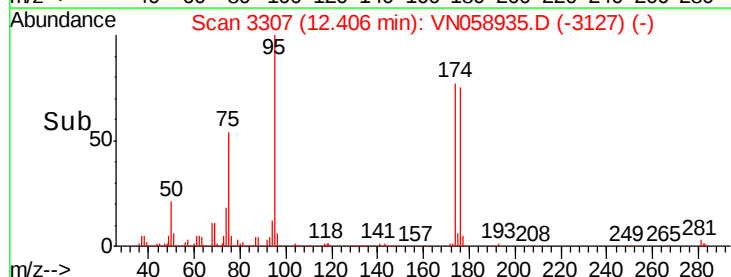
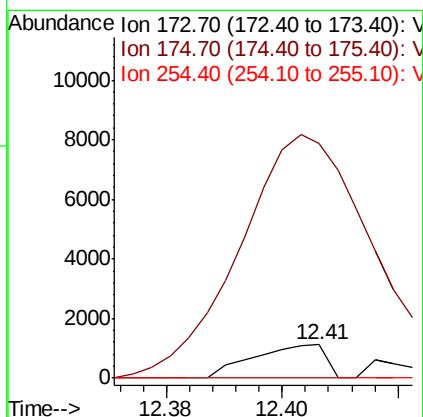
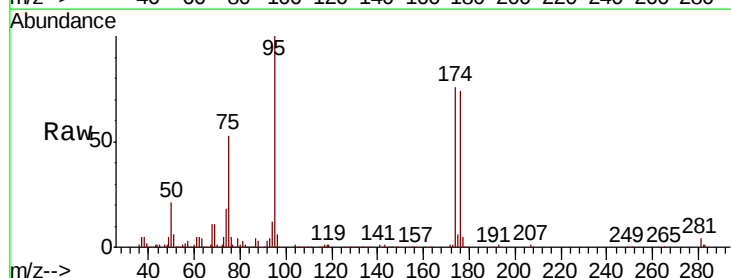
Instrument :
MSVOA_N
ClientSampleId :

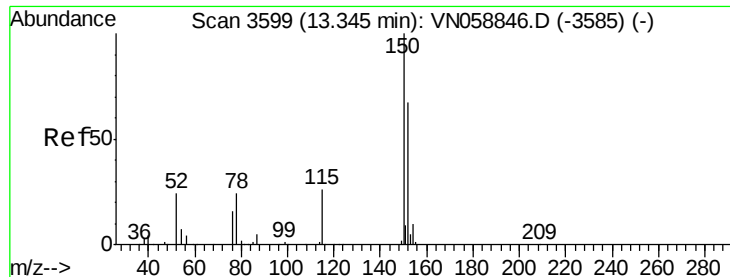
Tot Ion:104 Resp: 35485
Ion Ratio Lower Upper
104 100
78 308.0 42.8 64.2#
103 271.6 44.3 66.5#



#71
Bromoform
Concen: 0.329 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion:173 Resp: 967
Ion Ratio Lower Upper
173 100
175 1110.2 24.7 74.1#
254 0.0 0.0 0.0



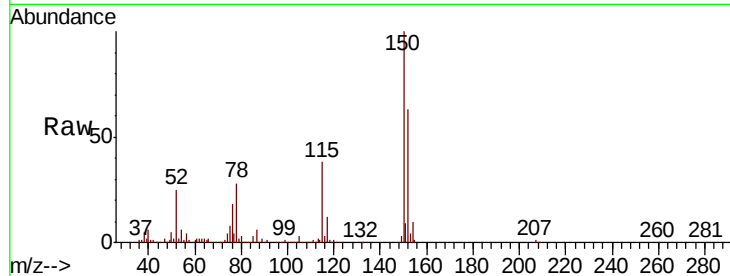


#72

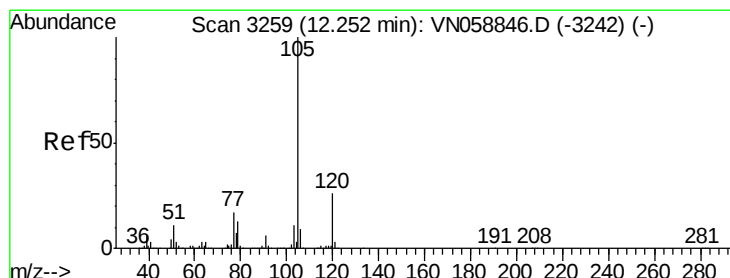
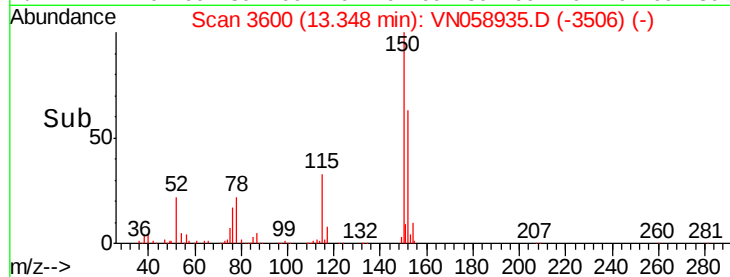
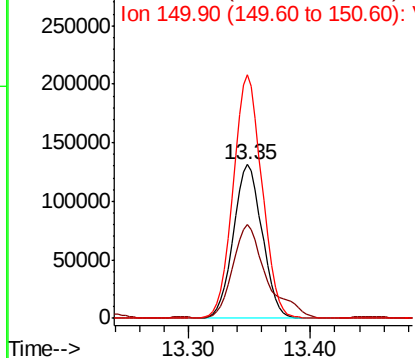
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	70.6	30.5	91.5
150	157.4	0.0	344.4



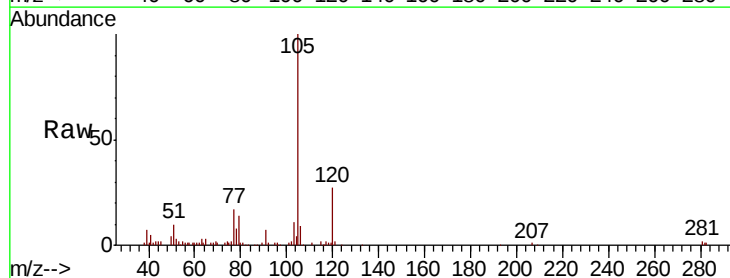
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



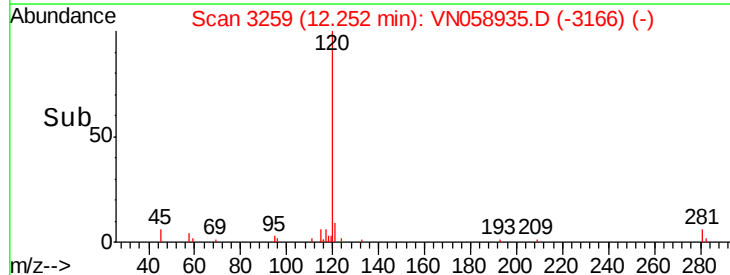
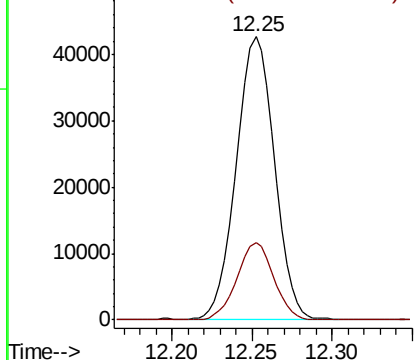
#73

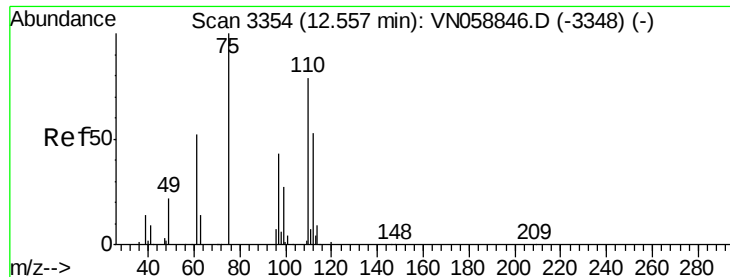
Isopropylbenzene
Concen: 4.401 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4



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





#76

1,2,3-Trichloropropane

Concen: 25.365 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

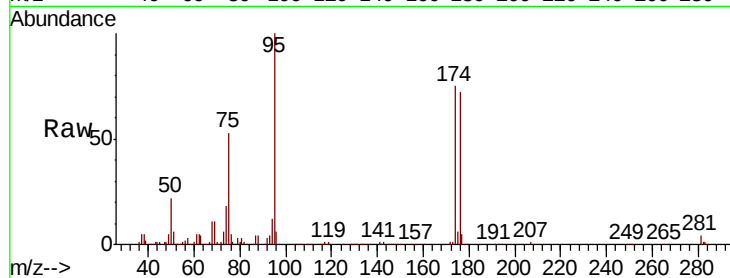
ClientSampleId :

Tot Ion: 75 Resp: 126918

Ion Ratio Lower Upper

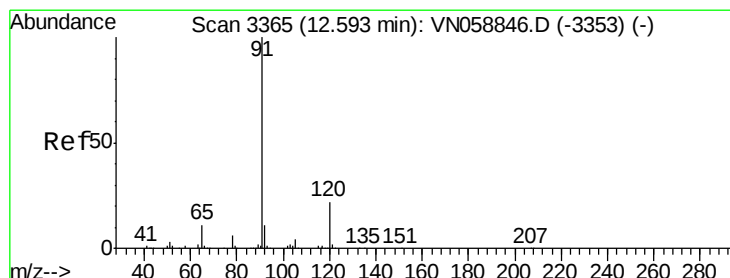
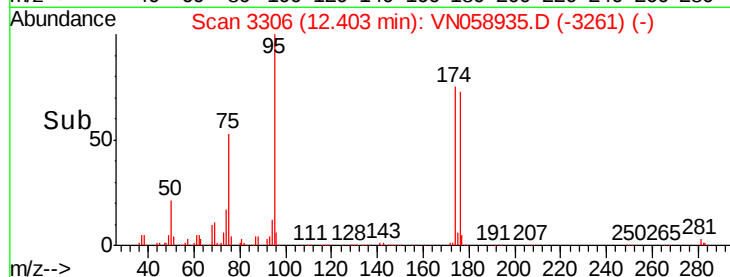
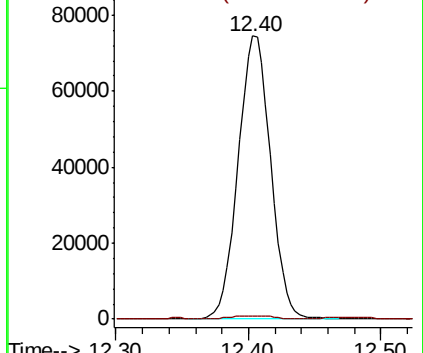
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 4.879 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058935.D

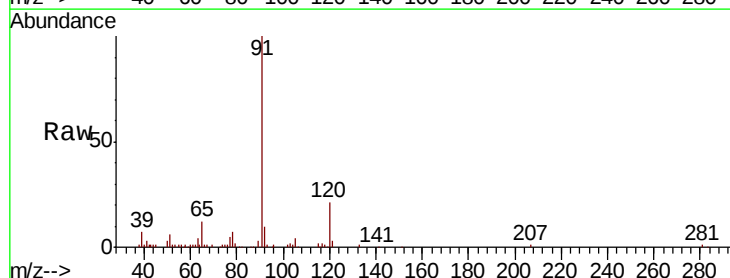
Acq: 23 Oct 2019 17:14

Tgt Ion: 91 Resp: 90995

Ion Ratio Lower Upper

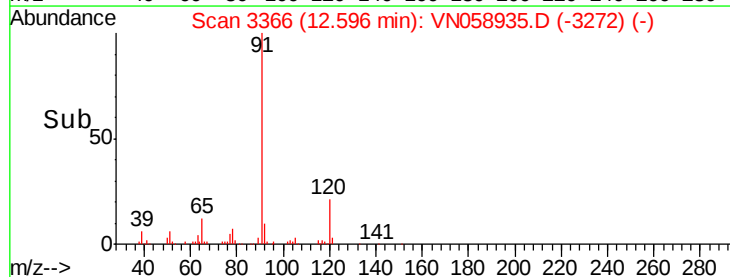
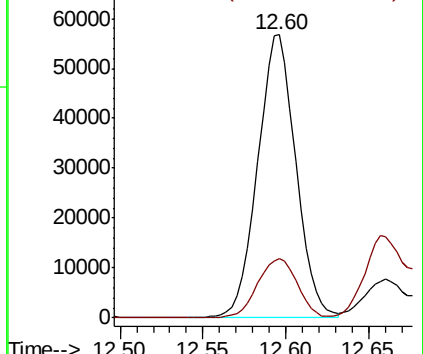
91 100

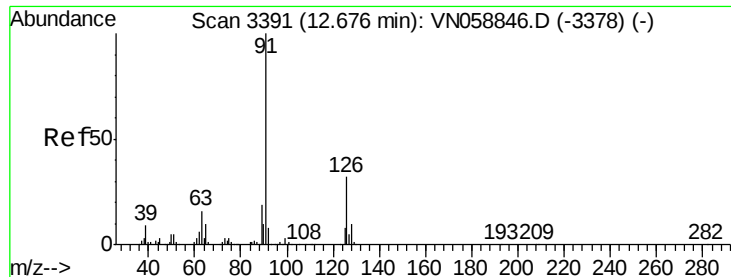
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.114 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

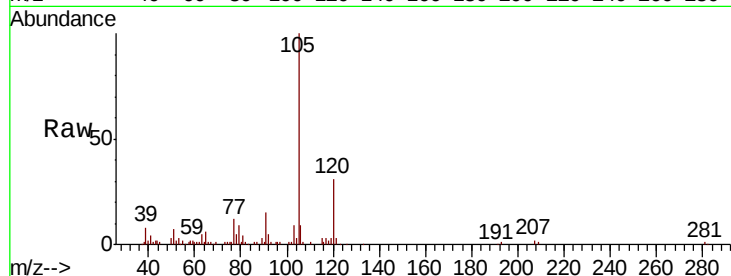
ClientSampled :

Tot Ion: 91 Resp: 12714

Ion Ratio Lower Upper

91 100

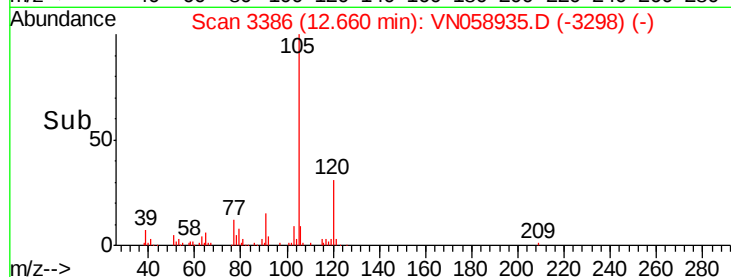
126 0.3 16.2 48.6#



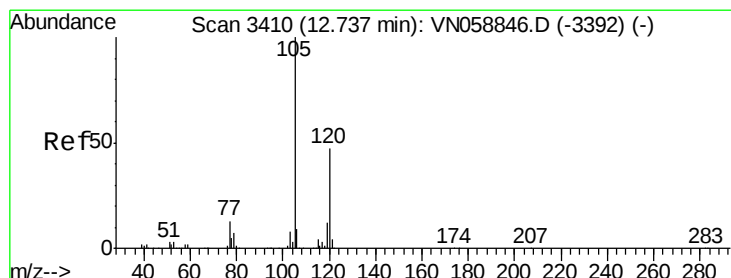
Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.094 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058935.D

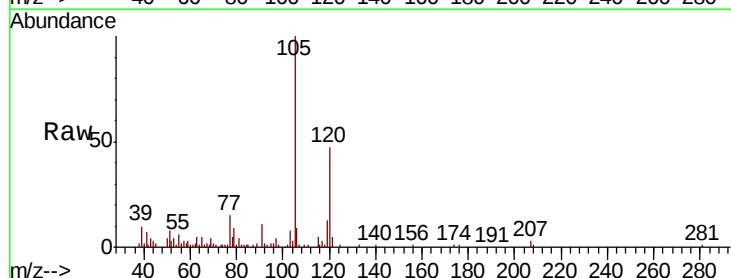
Acq: 23 Oct 2019 17:14

Tgt Ion:105 Resp: 54267

Ion Ratio Lower Upper

105 100

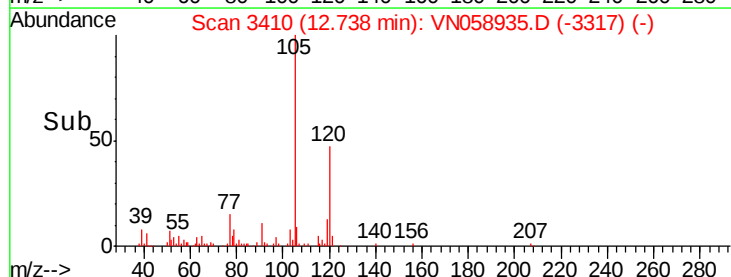
120 46.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

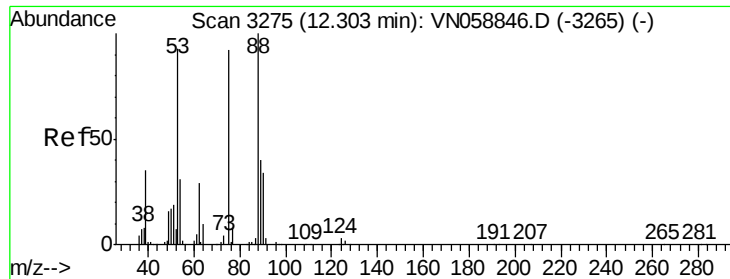
Time-->

Time-->

Time-->

Time-->

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.078 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

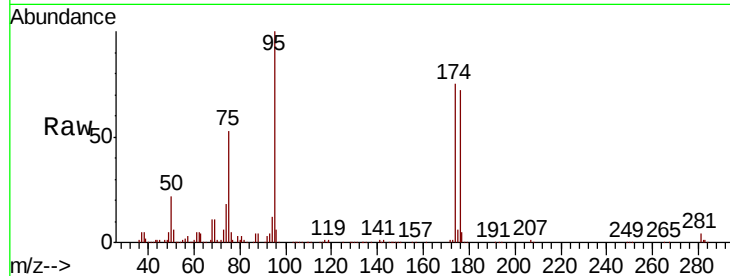
Tot Ion: 75 Resp: 126918

Ion Ratio Lower Upper

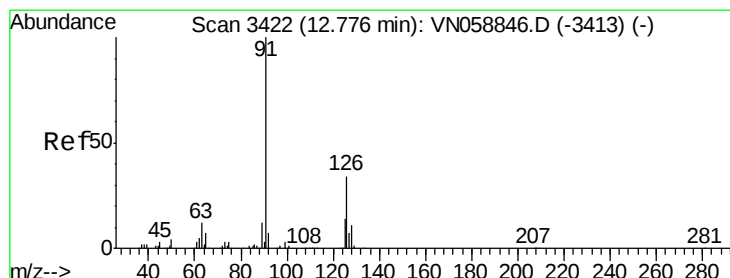
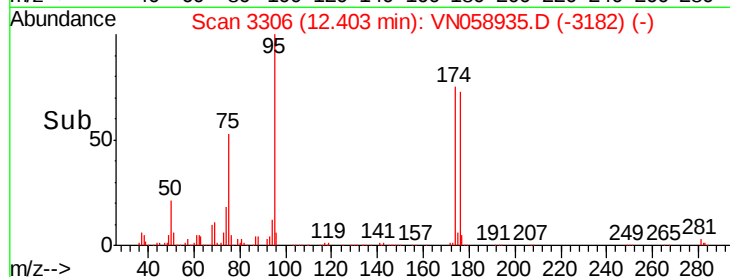
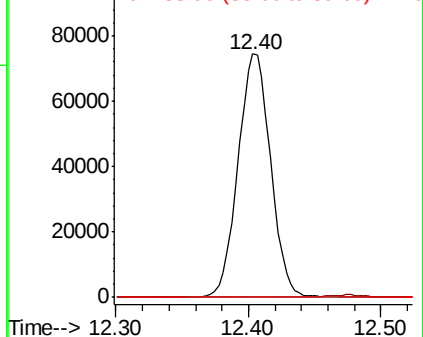
75 100

53 0.2 78.6 118.0#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.527 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN058935.D

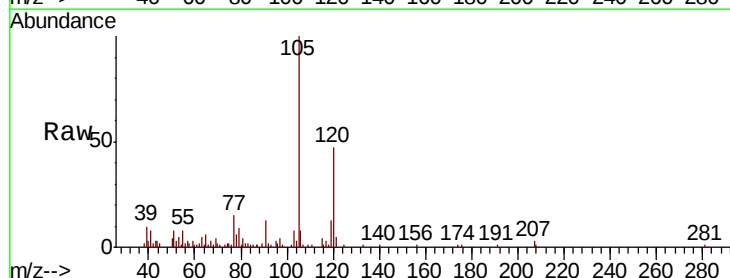
Acq: 23 Oct 2019 17:14

Tgt Ion: 91 Resp: 6152

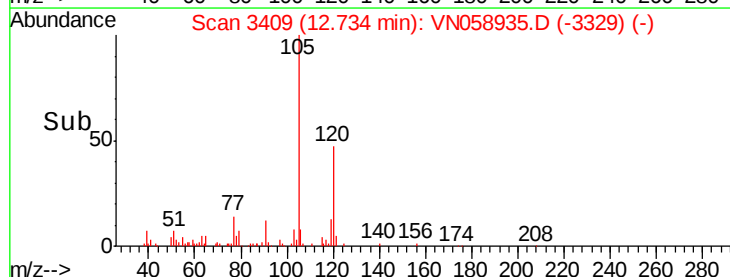
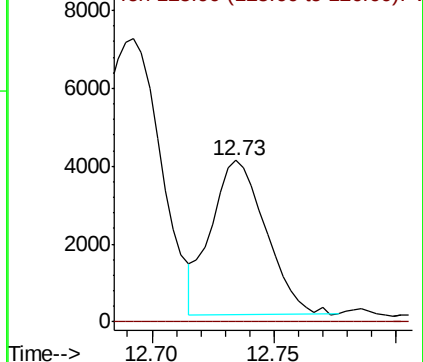
Ion Ratio Lower Upper

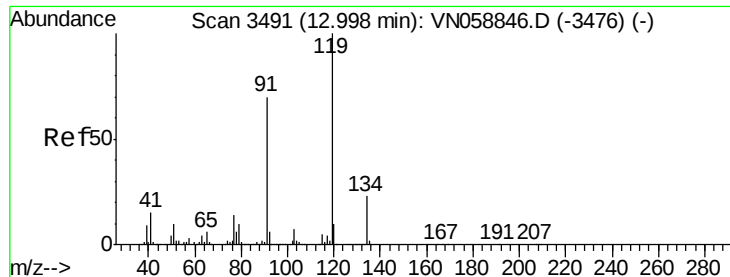
91 100

126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

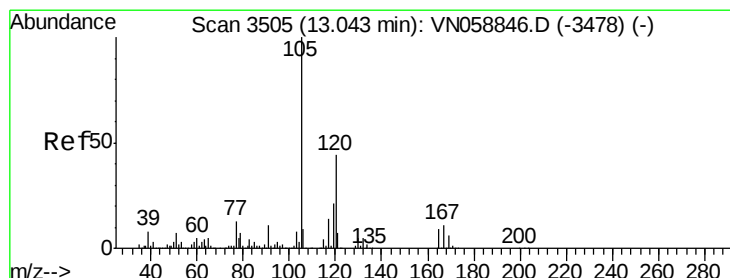
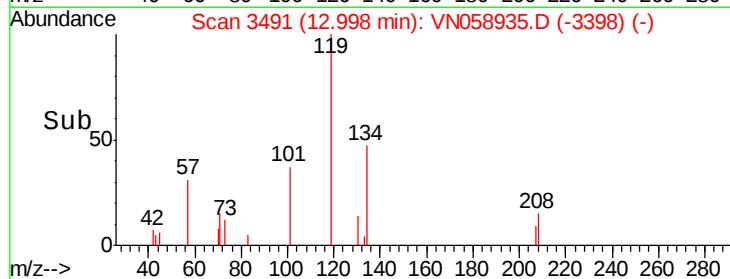
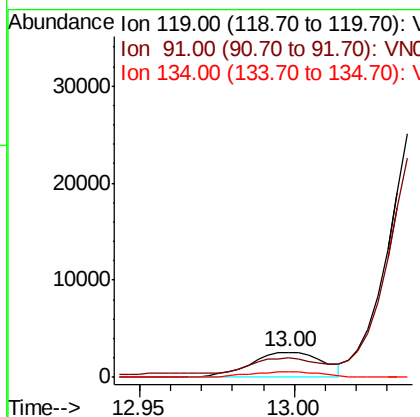
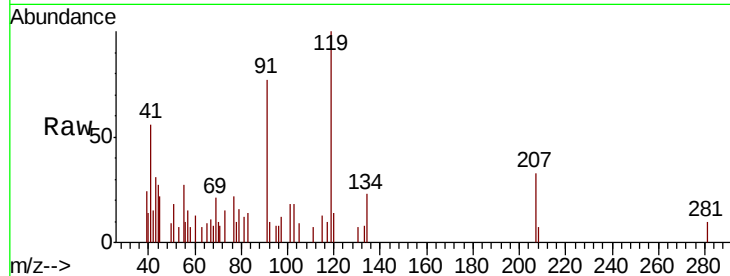




#83
 tert-Butylbenzene
 Concen: 0.375 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

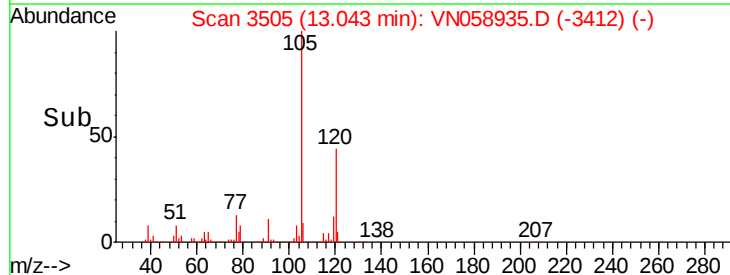
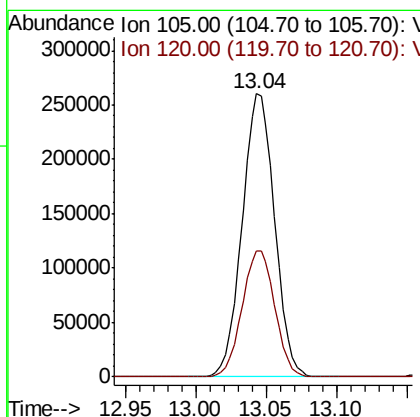
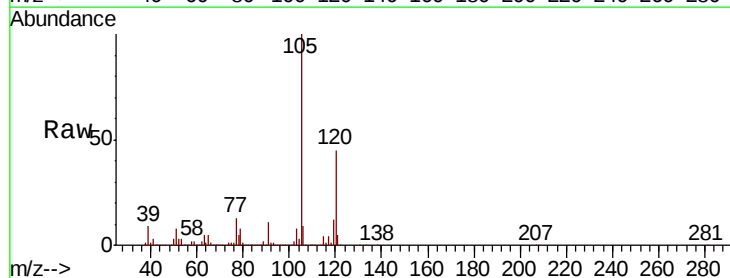
Instrument :
 MSVOA_N
 ClientSampleId :

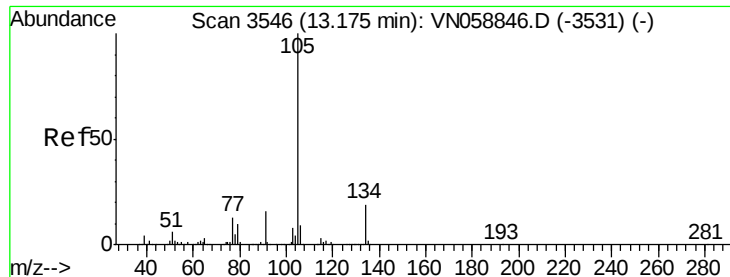
Tot Ion:119 Resp: 4250
 Ion Ratio Lower Upper
 119 100
 91 0.0 34.1 102.3#
 134 21.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 31.990 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058935.D
 Acq: 23 Oct 2019 17:14

Tgt Ion:105 Resp: 418282
 Ion Ratio Lower Upper
 105 100
 120 45.1 21.9 65.8





#85

sec-Butylbenzene

Concen: 1.540 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

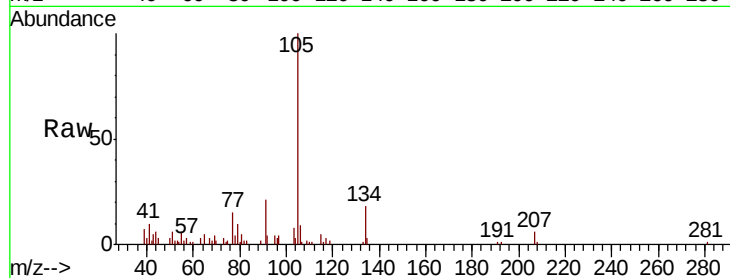
ClientSampleId :

Tot Ion:105 Resp: 23279

Ion Ratio Lower Upper

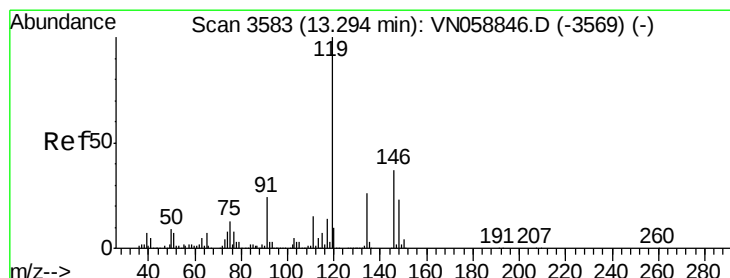
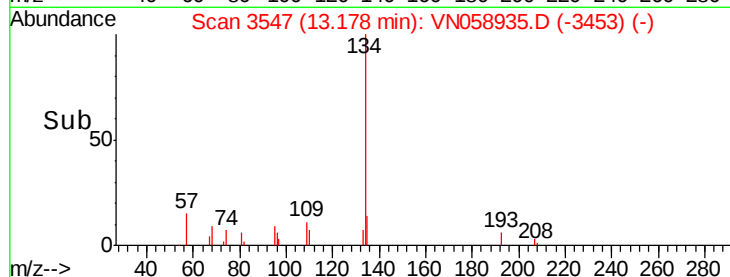
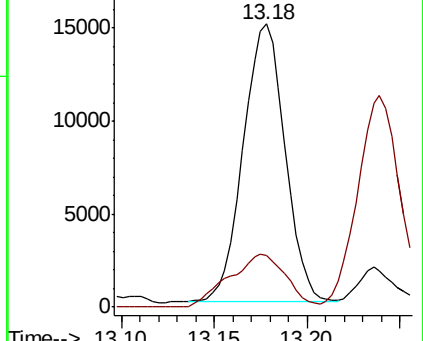
105 100

134 25.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.280 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

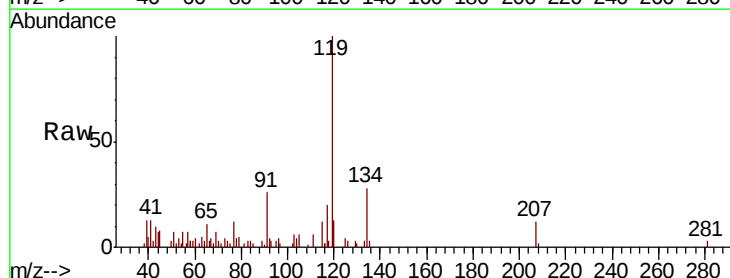
Tgt Ion:119 Resp: 17076

Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.4

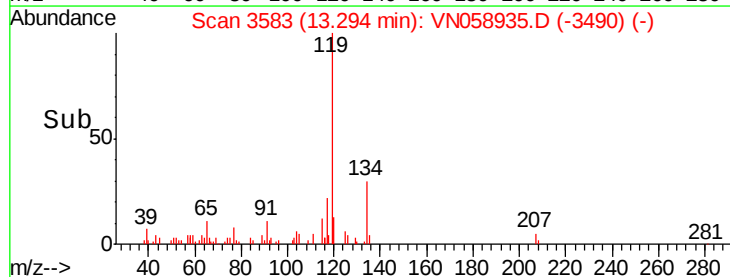
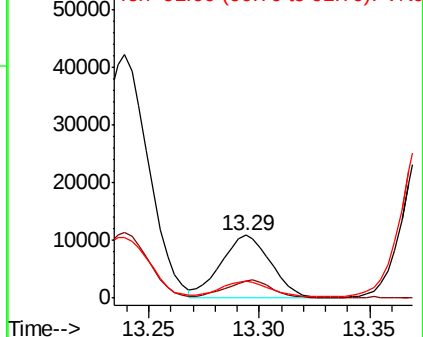
91 23.4 12.2 36.4

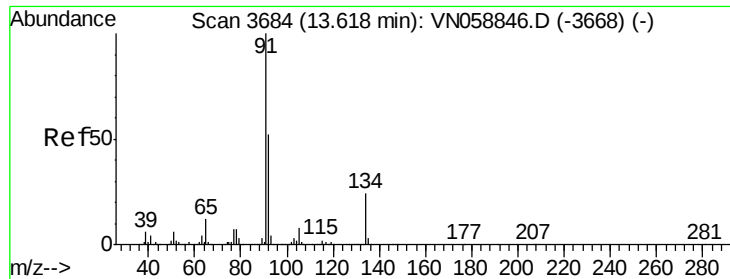


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

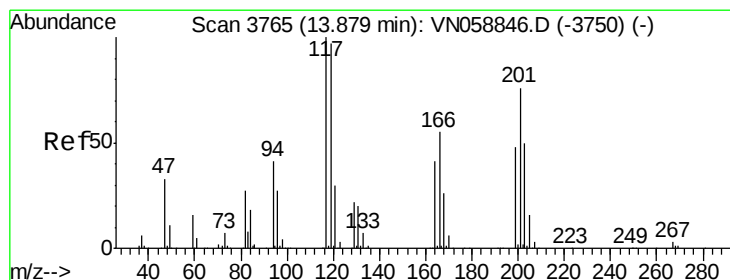
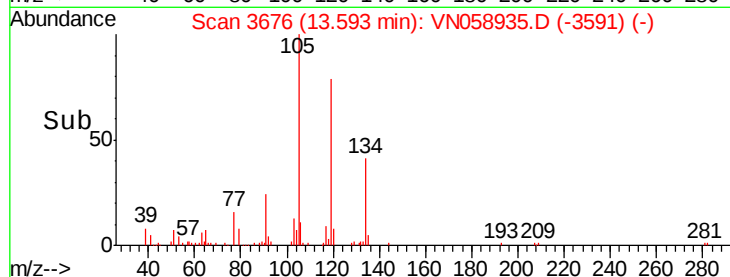
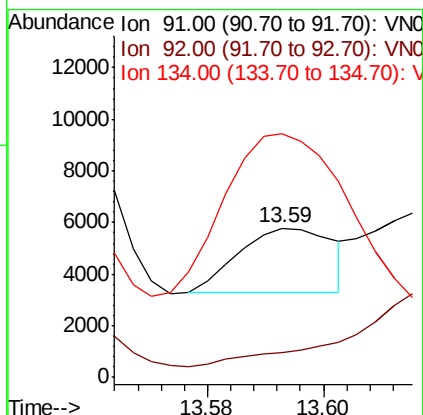
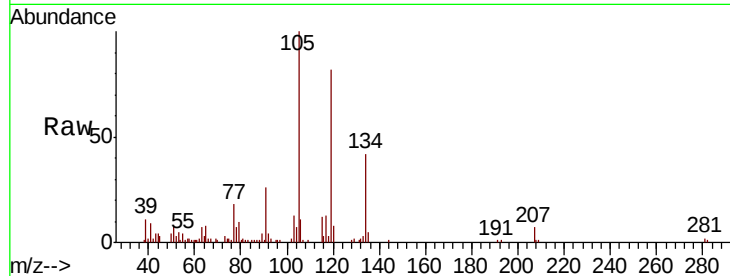




#89
n-Butylbenzene
Concen: 0.232 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. -0.03 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

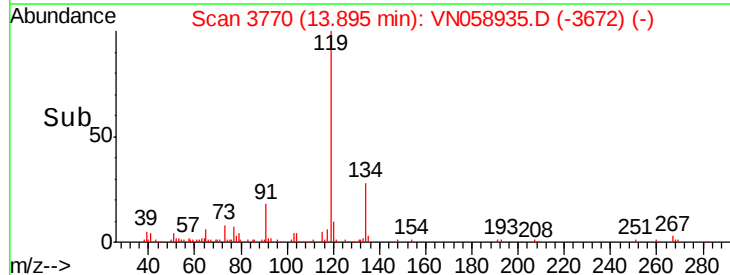
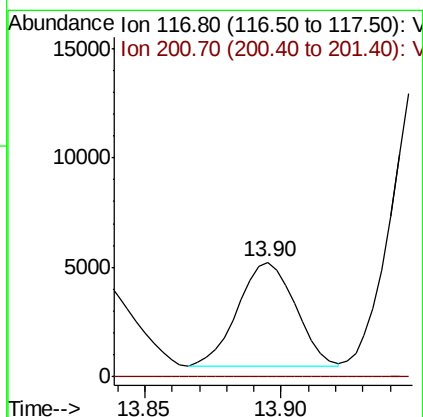
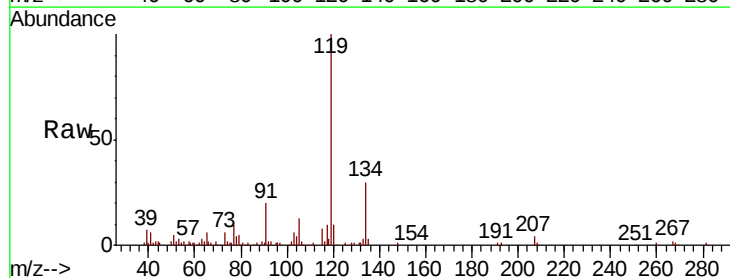
Instrument :
MSVOA_N
ClientSampled :

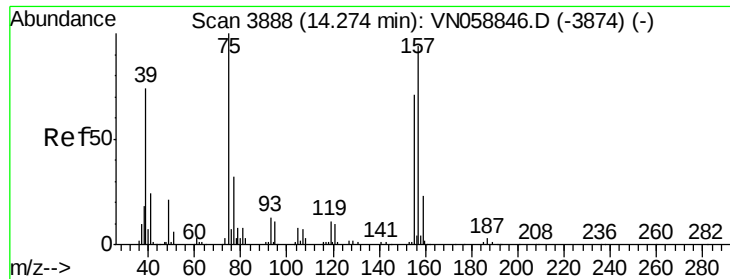
Tot Ion: 91 Resp: 2837
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.1#
134 646.2 11.9 35.5#



#90
Hexachloroethane
Concen: 2.591 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VN058935.D
Acq: 23 Oct 2019 17:14

Tgt Ion: 117 Resp: 7002
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.555 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

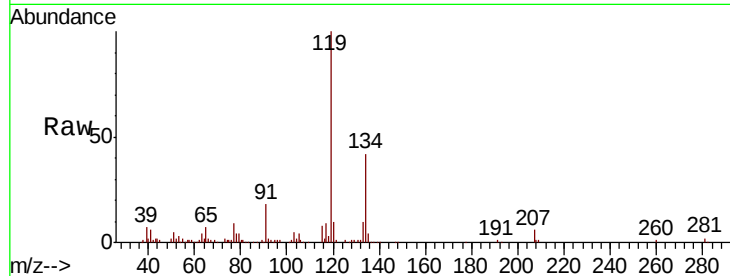
Tot Ion: 75 Resp: 697

Ion Ratio Lower Upper

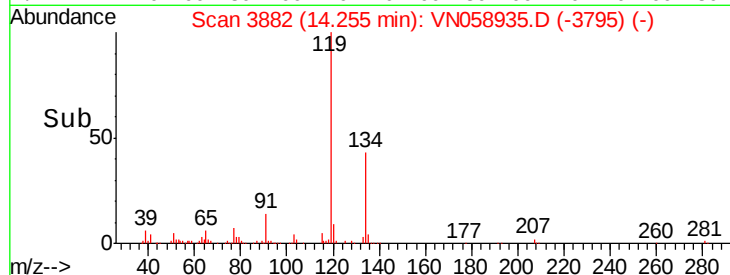
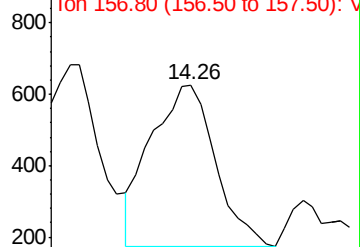
75 100

155 0.0 35.6 106.8#

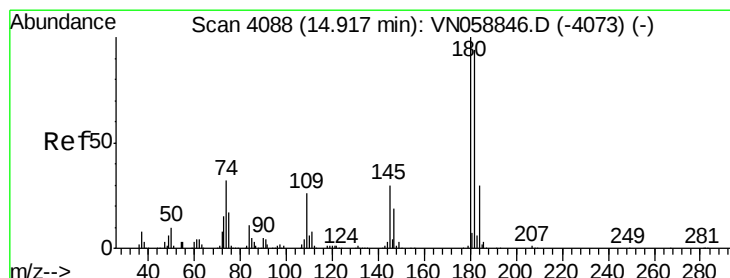
157 0.0 47.4 142.2#



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3874) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.527 ug/l

RT: 14.93 min Scan# 4092

Delta R.T. 0.01 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

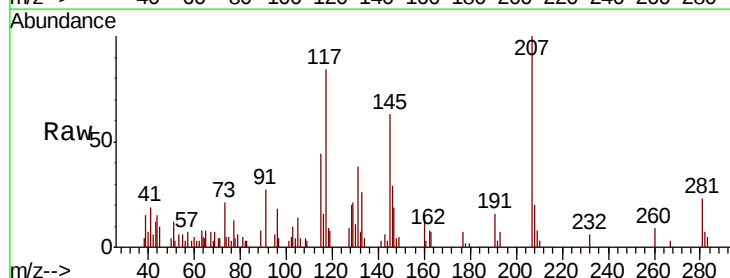
Tgt Ion: 180 Resp: 30

Ion Ratio Lower Upper

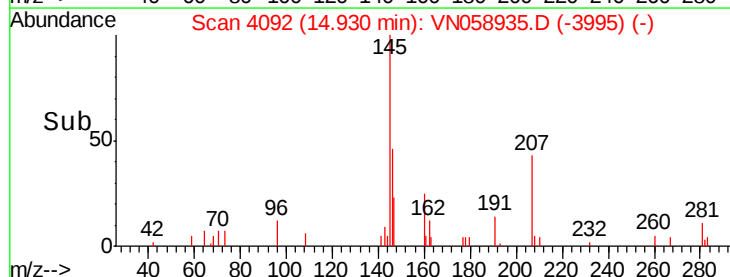
180 100

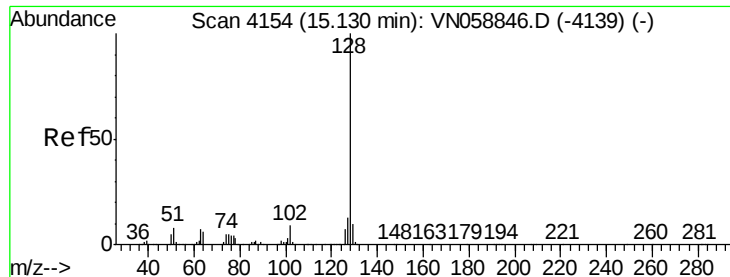
182 223.3 47.3 142.0#

145 53006.7 15.3 45.8#



Abundance Ion 179.80 (179.50 to 180.50): VN058846.D (-4073) (-)





#95

Naphthalene

Concen: 7.060 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058935.D

Acq: 23 Oct 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 62567

Ion Ratio Lower Upper

128 100

127 14.3 10.2 15.2

129 11.4 8.4 12.6

