

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058414.D
 Acq On : 27 Sep 2019 17:35
 Operator : JC/SP
 Sample : K5039-01DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40080DL

Quant Time: Sep 28 00:05:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	499343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	795672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	712776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	336986	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	7.57	113	238505	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.09	98	1007377	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.41	95	374842	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	13065	3.050	ug/l	94
5) Bromomethane	2.55	94	602	0.269	ug/l #	35
11) Tert butyl alcohol	4.75	59	5190	6.285	ug/l #	85
13) Acrolein	3.59	56	73	0.504	ug/l #	13
16) Acetone	3.80	43	250491	103.534	ug/l	100
17) Carbon Disulfide	4.03	76	1517	0.226	ug/l #	74
18) Methyl Acetate	4.31	43	6732	1.076	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	5405	0.347	ug/l #	1
20) Methylene Chloride	4.53	84	1148	0.237	ug/l #	76
22) Diisopropyl ether	5.93	45	35300	2.057	ug/l	91
23) Vinyl Acetate	5.93	43	18807	1.559	ug/l #	74
25) 2-Butanone	6.82	43	77149	23.598	ug/l	98
30) Chloroform	7.31	83	1991	0.201	ug/l #	18
31) Cyclohexane	7.64	56	171529	22.968	ug/l	95
36) 1,1-Dichloropropene	7.65	75	41202	6.701	ug/l #	51
37) Ethyl Acetate	6.91	43	14802	2.428	ug/l #	84
38) Carbon Tetrachloride	7.65	117	50026	8.284	ug/l #	16
39) Methylcyclohexane	9.07	83	237308	35.727	ug/l	96
40) Benzene	8.03	78	2834914	153.720	ug/l	99
42) 1,2-Dichloroethane	8.03	62	27433	3.612	ug/l	83
43) Isopropyl Acetate	8.13	43	10223	0.903	ug/l #	63
45) 1,2-Dichloropropane	9.08	63	2846	0.530	ug/l #	1
46) Dibromomethane	9.22	93	658	0.200	ug/l #	19
47) Bromodichloromethane	9.38	83	2865	0.423	ug/l #	25
48) Methyl methacrylate	9.14	41	21520	4.191	ug/l #	28
51) 4-Methyl-2-Pentanone	9.98	43	17378	2.921	ug/l #	78
52) Toluene	10.15	92	8077080	703.828	ug/l #	55
53) t-1,3-Dichloropropene	10.15	75	330412	46.966	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	27420	5.572	ug/l #	18
56) Ethyl methacrylate	10.43	69	5215	0.729	ug/l #	21
59) 2-Hexanone	10.75	43	33631	7.631	ug/l	95
67) Ethyl Benzene	11.51	91	4794293	214.811	ug/l #	50
68) m/p-Xylenes	11.62	106	5660211	672.488	ug/l #	49
69) o-Xylene	11.95	106	3690568	448.254	ug/l	55

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

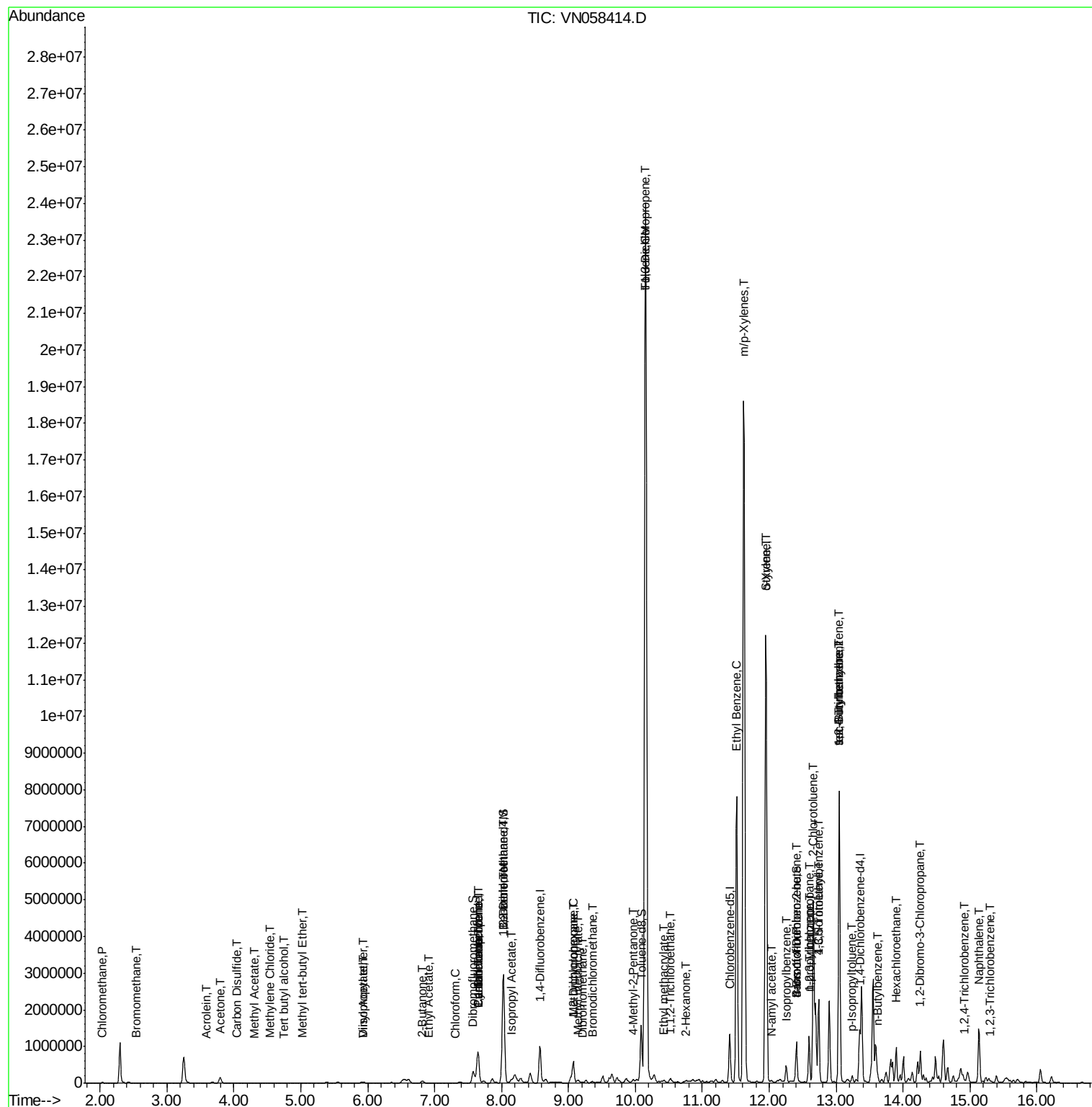
70) Styrene	11.95	104	221328	15.773	ug/l #	1
71) Bromoform	12.41	173	923	0.318	ug/l #	1
73) Isopropylbenzene	12.25	105	285710	12.665	ug/l	100
74) N-amyl acetate	12.03	43	25946	2.782	ug/l #	49
76) 1,2,3-Trichloropropane	12.60	75	6941	1.097	ug/l #	100
78) n-propylbenzene	12.60	91	987551	38.497	ug/l	99
79) 2-Chlorotoluene	12.66	91	408314	25.609	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	1226139	64.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	202110	103.834	ug/l #	8
82) 4-Chlorotoluene	12.74	91	134141	8.046	ug/l #	43
83) tert-Butylbenzene	13.05	119	603026	35.907	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.05	105	3945964	208.416	ug/l	80
85) sec-Butylbenzene	13.05	105	3945964	179.687	ug/l #	58
86) p-Isopropyltoluene	13.24	119	90699	4.656	ug/l	98
89) n-Butylbenzene	13.62	91	86443	4.746	ug/l #	67
90) Hexachloroethane	13.90	117	45858	15.206	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3958	2.992	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	1890	0.296	ug/l #	1
95) Naphthalene	15.13	128	1152573	69.838	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	1804	0.301	ug/l #	80

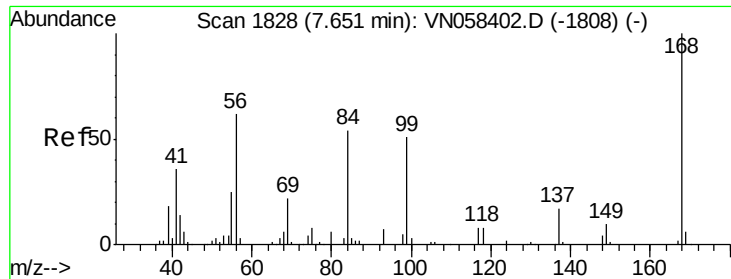
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

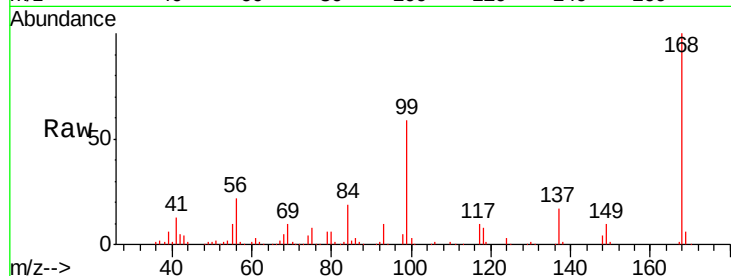
40080DL

Tgt Ion: 168 Resp: 499343

Ion Ratio Lower Upper

168 100

99 59.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058402.D (-1808) (-)

7.65

250000

200000

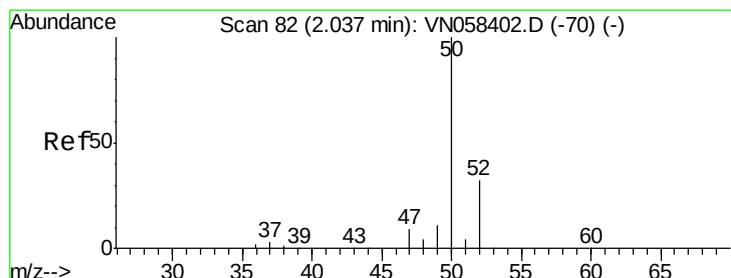
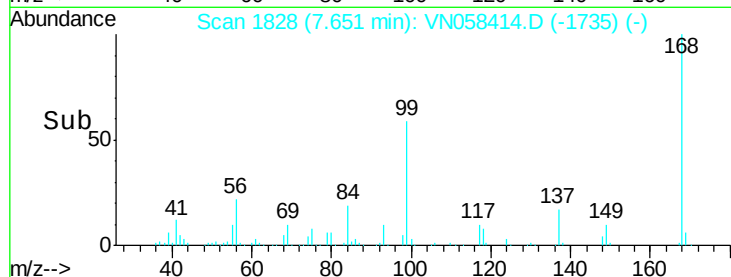
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.050 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058414.D

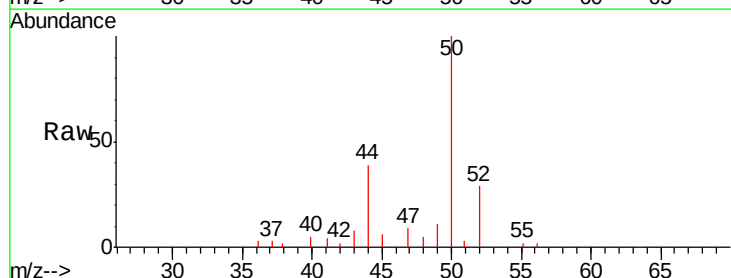
Acq: 27 Sep 2019 17:35

Tgt Ion: 50 Resp: 13065

Ion Ratio Lower Upper

50 100

52 28.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN058402.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058402.D (-70) (-)

2.04

10000

8000

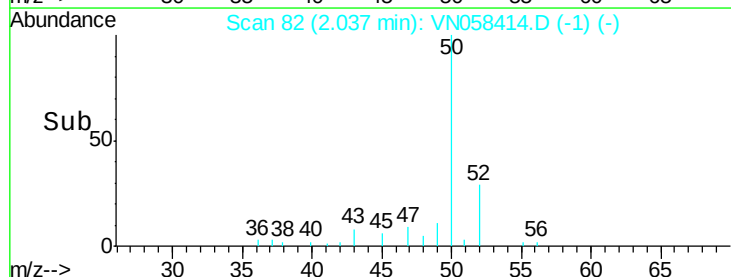
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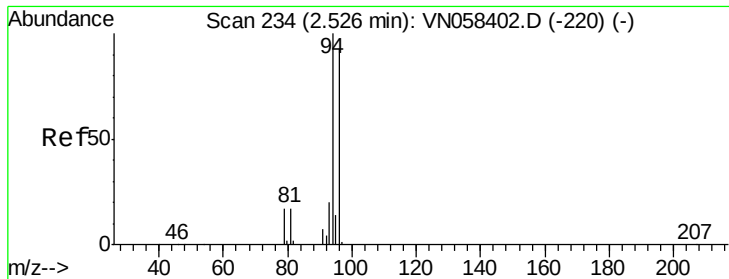
4000

2000

0

Time-->





#5

Bromomethane

Concen: 0.269 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

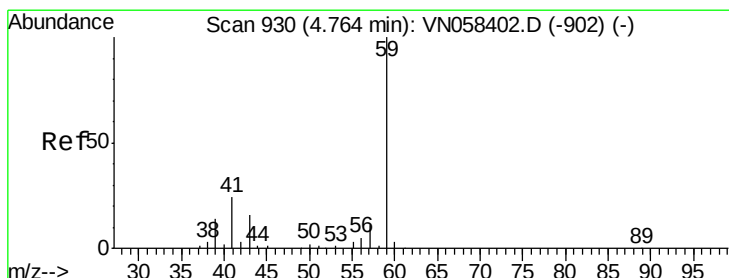
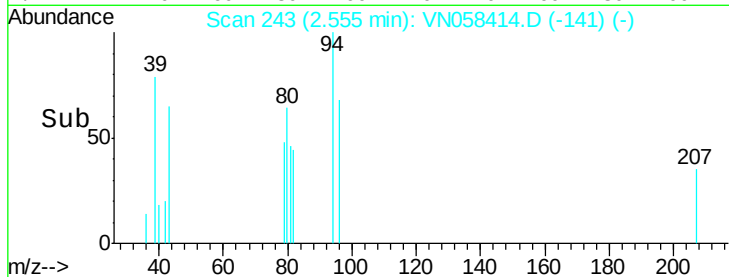
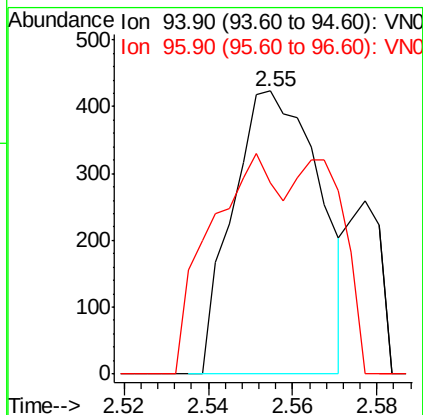
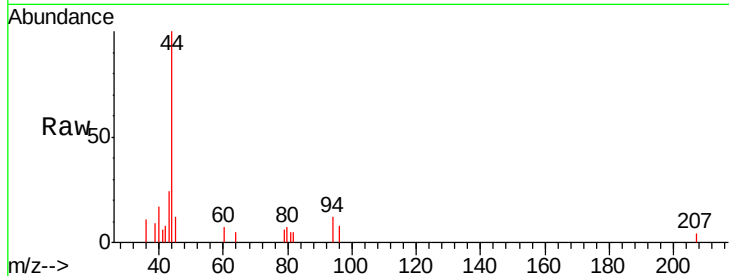
40080DL

Tgt Ion: 94 Resp: 602

Ion Ratio Lower Upper

94 100

96 30.7 74.8 112.2#



#11

Tert butyl alcohol

Concen: 6.285 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN058414.D

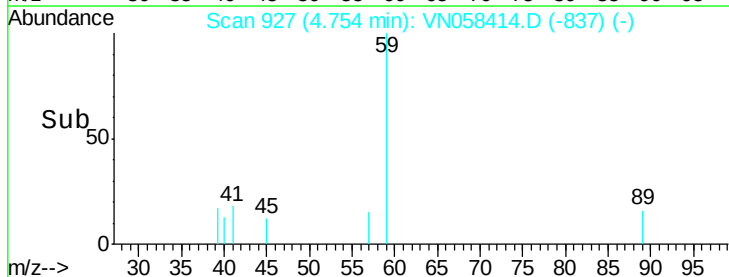
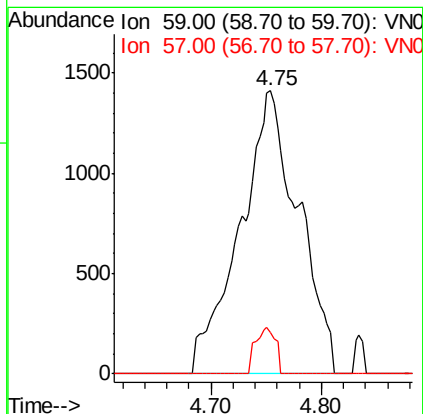
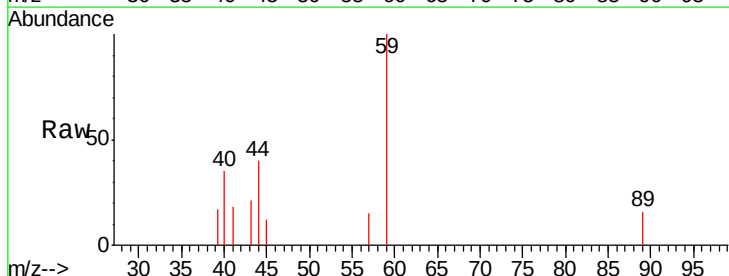
Acq: 27 Sep 2019 17:35

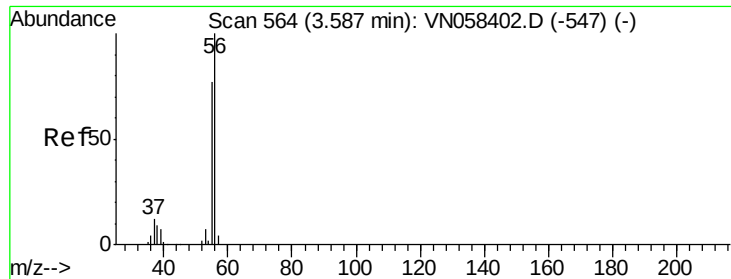
Tgt Ion: 59 Resp: 5190

Ion Ratio Lower Upper

59 100

57 5.5 9.0 13.4#





#13

Acrolein

Concen: 0.504 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

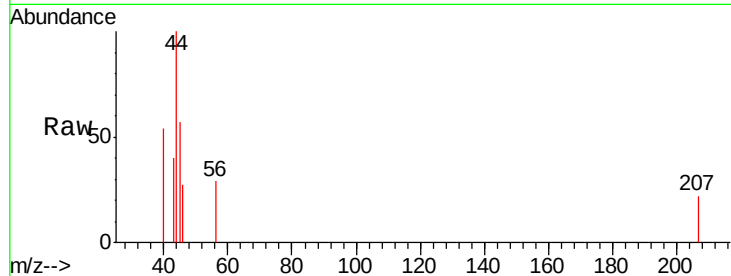
40080DL

Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

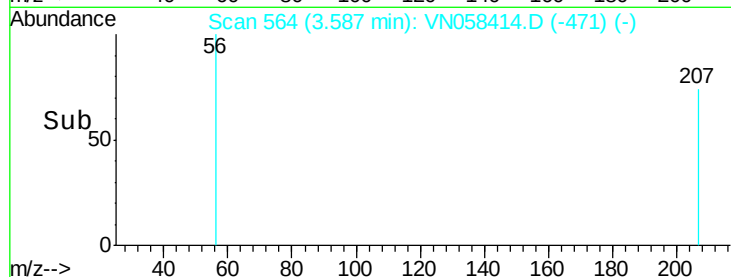
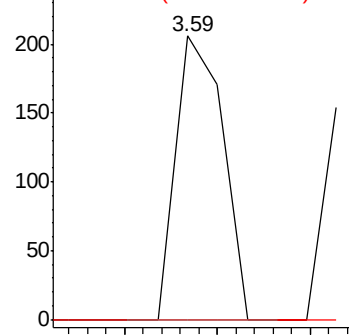
56 100

55 0.0 58.3 87.5#

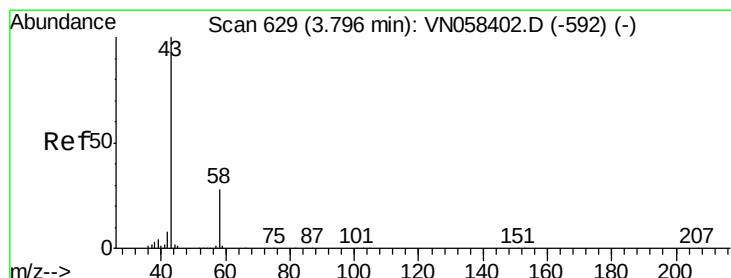


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 103.534 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058414.D

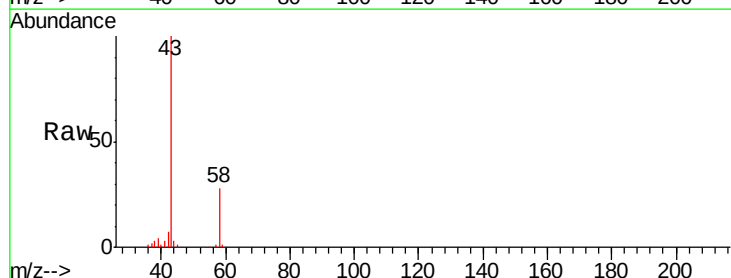
Acq: 27 Sep 2019 17:35

Tgt Ion: 43 Resp: 250491

Ion Ratio Lower Upper

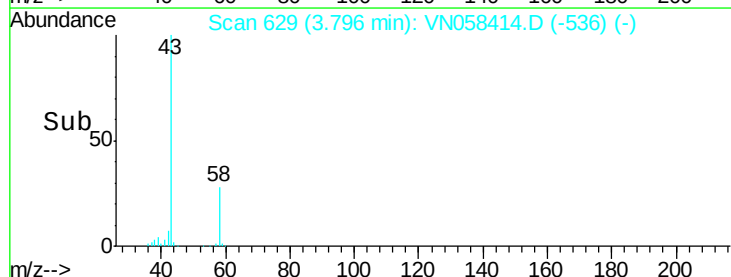
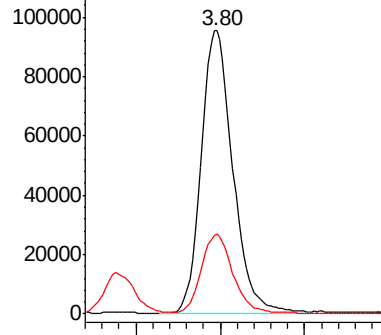
43 100

58 28.0 22.4 33.6

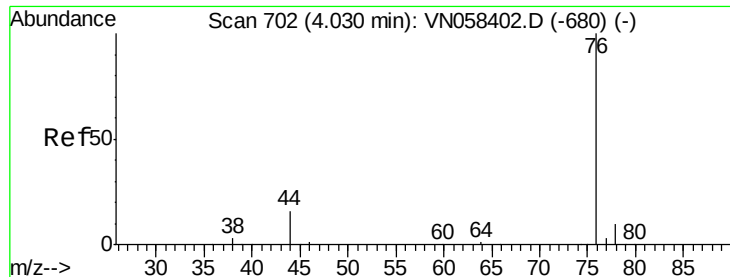


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



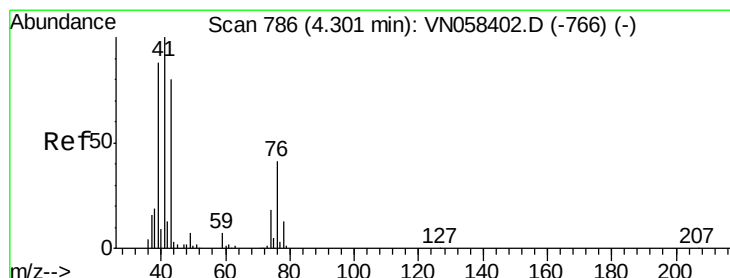
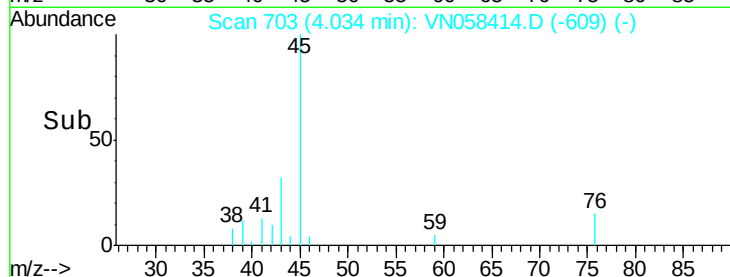
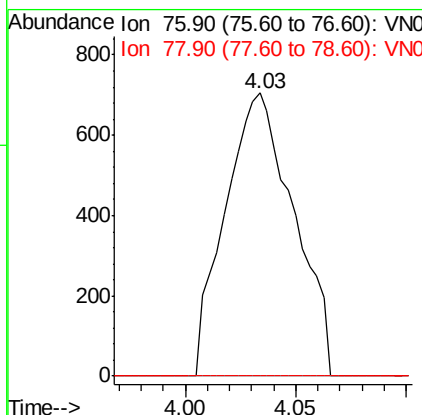
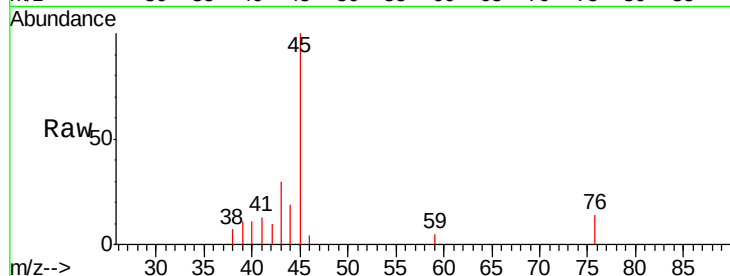
Time-->



#17
Carbon Disulfide
Concen: 0.226 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

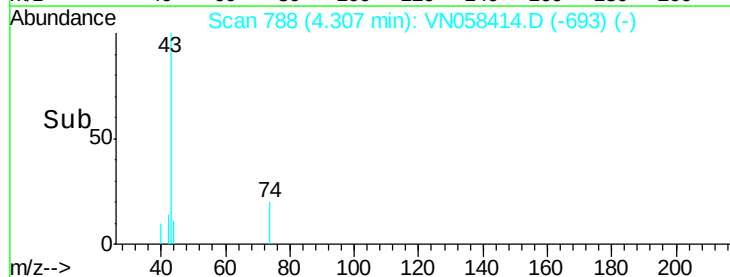
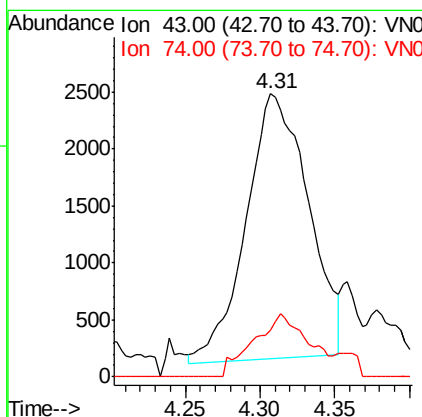
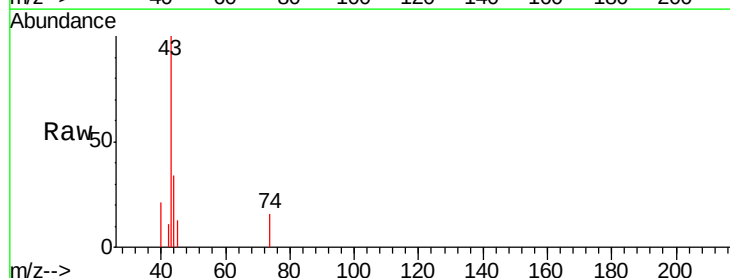
Instrument :
MSVOA_N
ClientSampled :
40080DL

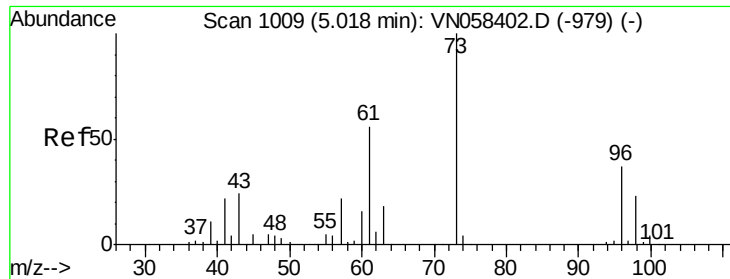
Tgt Ion: 76 Resp: 1517
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 1.076 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

Tgt Ion: 43 Resp: 6732
Ion Ratio Lower Upper
43 100
74 21.3 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 0.347 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

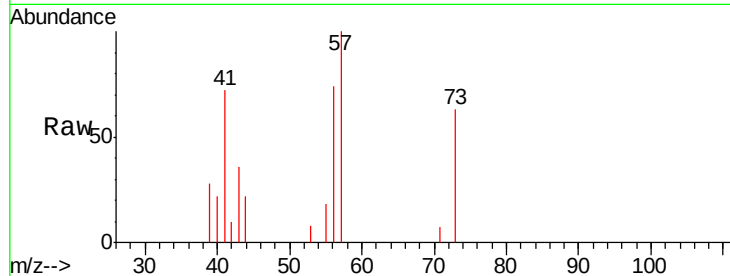
40080DL

Tgt Ion: 73 Resp: 5405

Ion Ratio Lower Upper

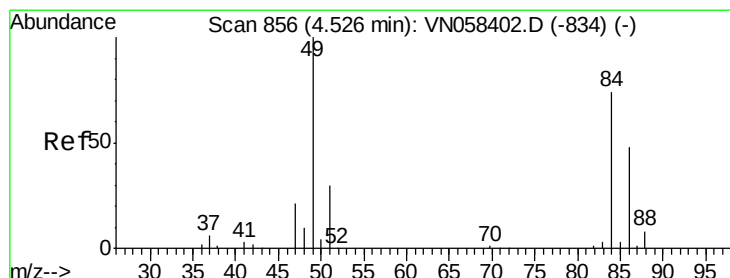
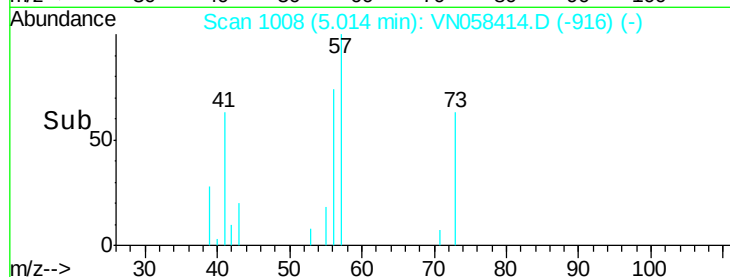
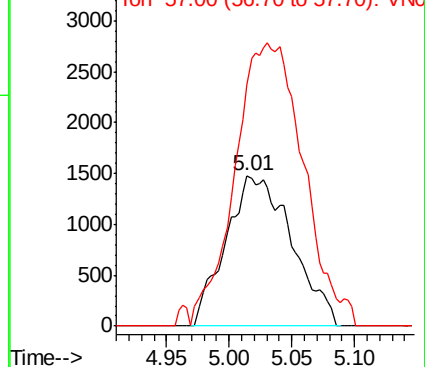
73 100

57 159.7 17.6 26.4#



Abundance Ion 73.00 (72.70 to 73.70): VN058414.D (-916) (-)

Ion 57.00 (56.70 to 57.70): VN058414.D (-916) (-)



#20

Methylene Chloride

Concen: 0.237 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Tgt Ion: 84 Resp: 1148

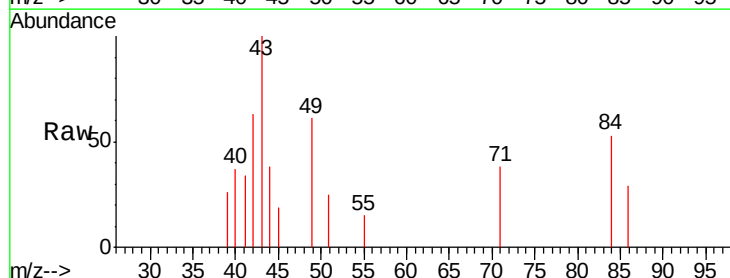
Ion Ratio Lower Upper

84 100

49 115.8 107.9 161.9

51 47.2 32.8 49.2

86 24.4 51.5 77.3#

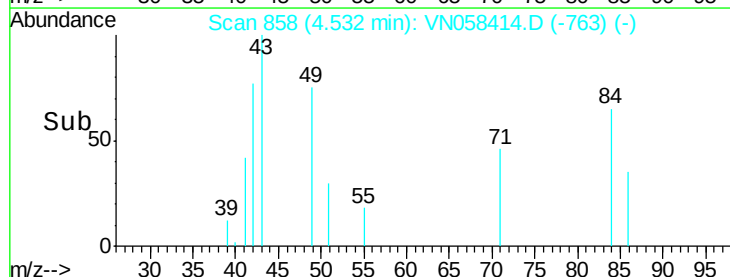
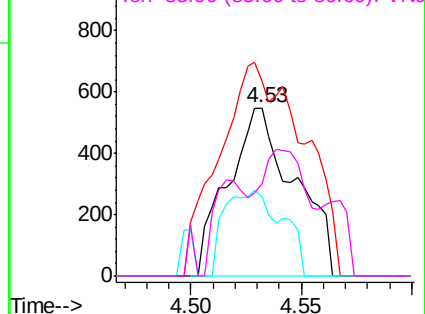


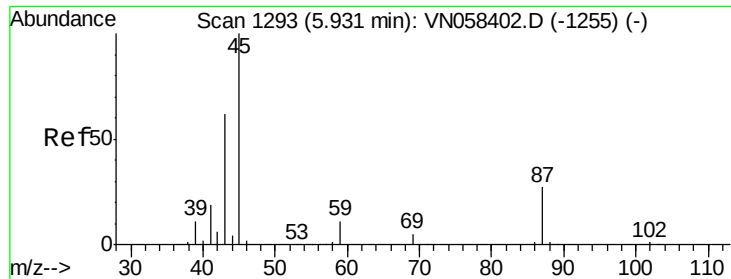
Abundance Ion 83.90 (83.60 to 84.60): VN058414.D (-763) (-)

Ion 48.90 (48.60 to 49.60): VN058414.D (-763) (-)

Ion 50.90 (50.60 to 51.60): VN058414.D (-763) (-)

Ion 85.90 (85.60 to 86.60): VN058414.D (-763) (-)

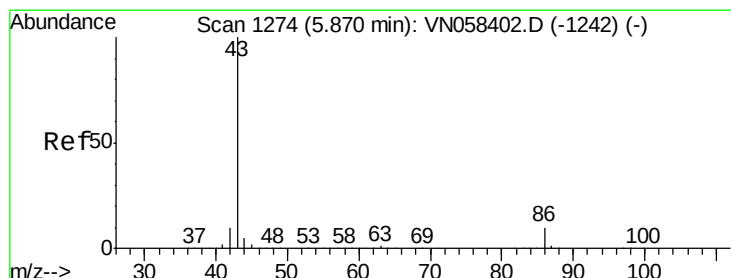
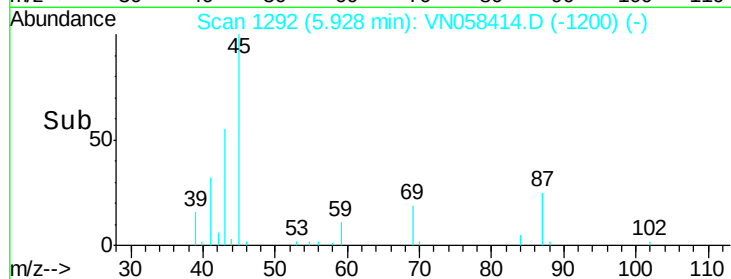
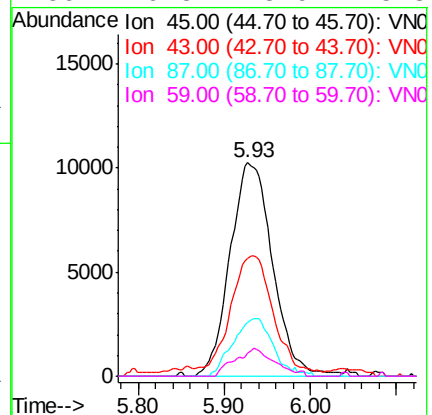
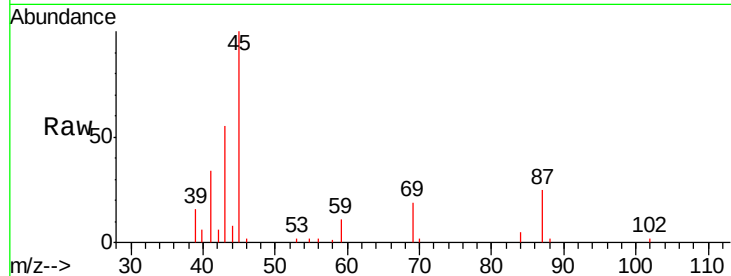




#22
Diisopropyl ether
Concen: 2.057 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

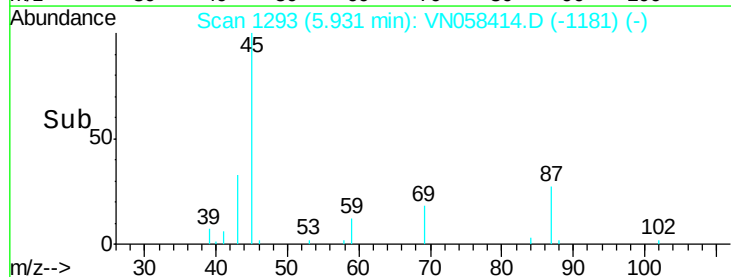
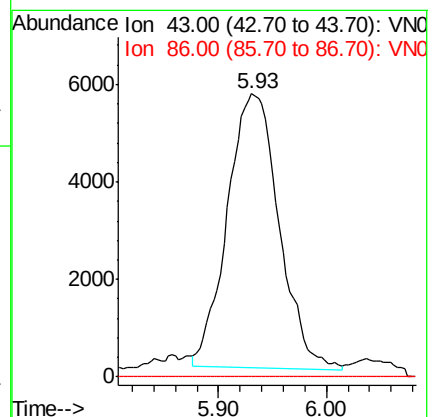
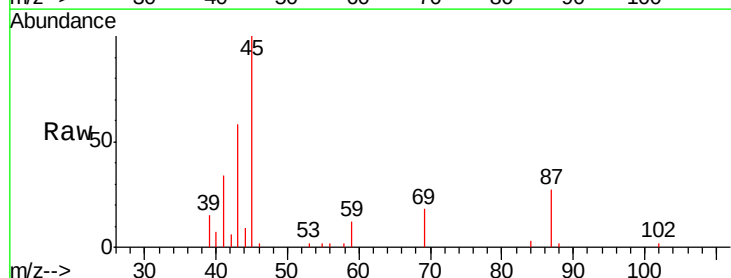
Instrument :
MSVOA_N
ClientSampleId :
40080DL

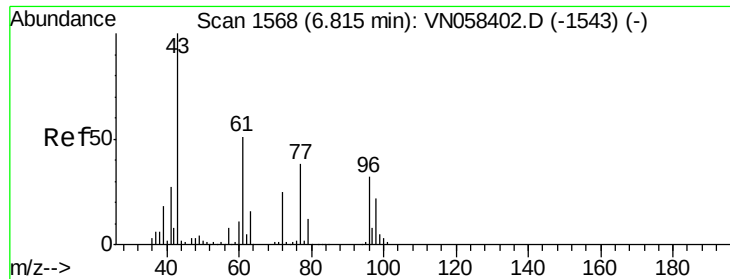
Tgt Ion:	45	Resp:	35300
Ion	Ratio	Lower	Upper
45	100		
43	51.8	49.7	74.5
87	25.1	21.5	32.3
59	10.8	8.9	13.3



#23
Vinyl Acetate
Concen: 1.559 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.06 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

Tgt Ion:	43	Resp:	18807
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.7	11.5#

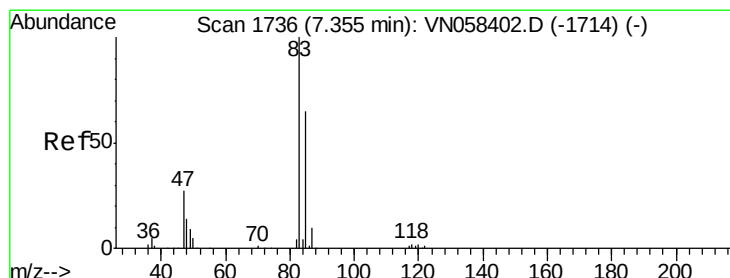
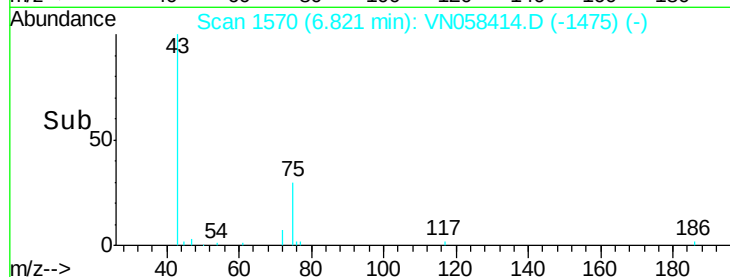
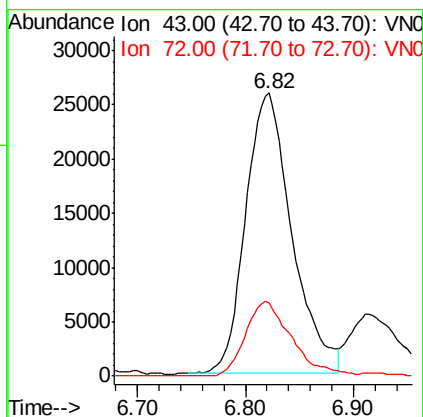
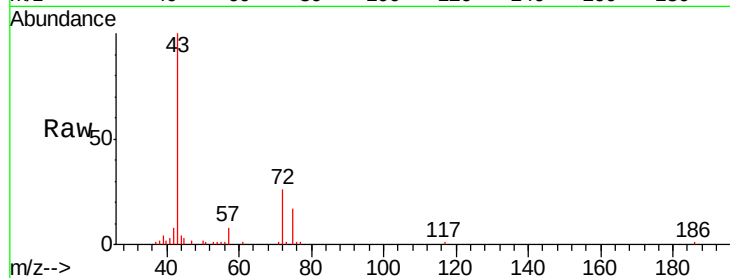




#25
 2-Butanone
 Concen: 23.598 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

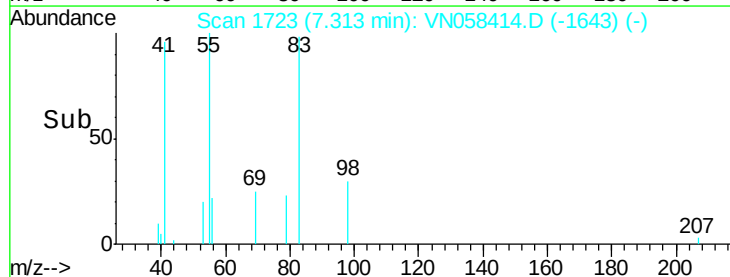
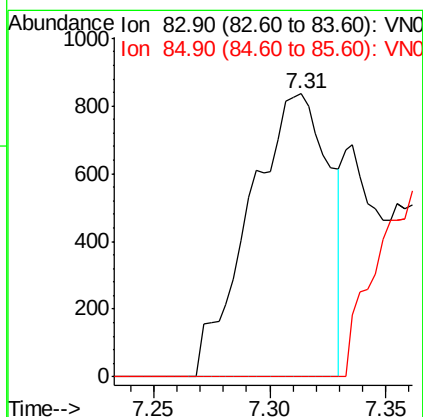
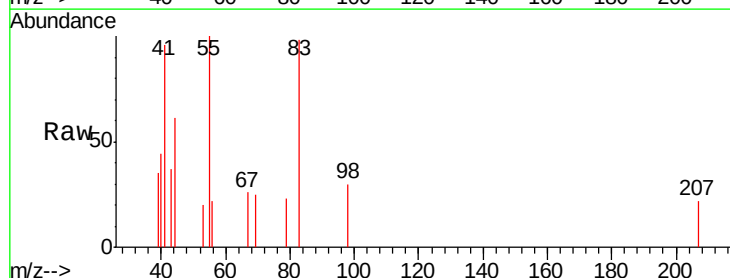
Instrument :
 MSVOA_N
 ClientSampled :
 40080DL

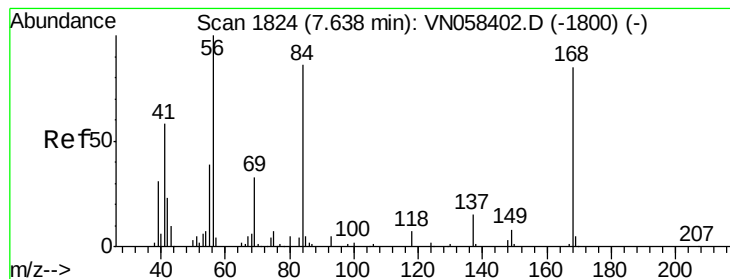
Tgt Ion: 43 Resp: 77149
 Ion Ratio Lower Upper
 43 100
 72 26.1 20.2 30.4



#30
 Chloroform
 Concen: 0.201 ug/l
 RT: 7.31 min Scan# 1723
 Delta R.T. -0.04 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

Tgt Ion: 83 Resp: 1991
 Ion Ratio Lower Upper
 83 100
 85 0.0 52.0 78.0#





#31

Cyclohexane

Concen: 22.968 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

40080DL

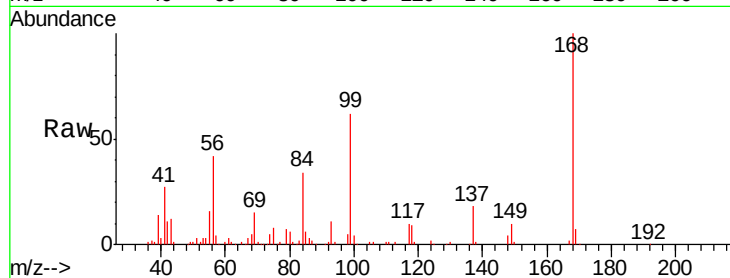
Tgt Ion: 56 Resp: 171529

Ion Ratio Lower Upper

56 100

69 36.3 26.2 39.4

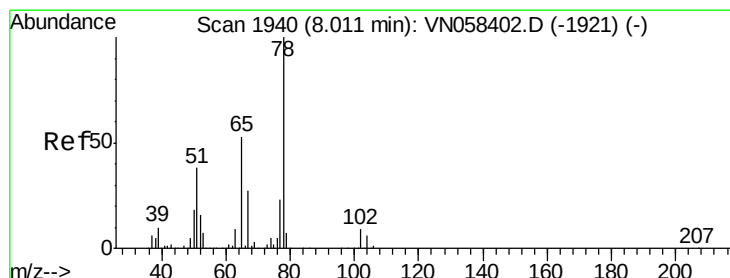
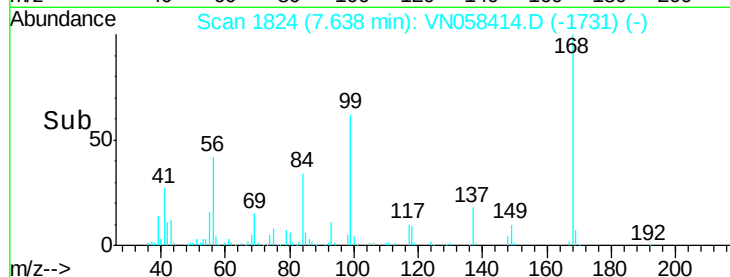
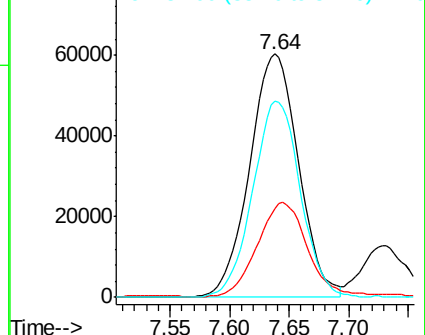
84 80.5 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.961 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058414.D

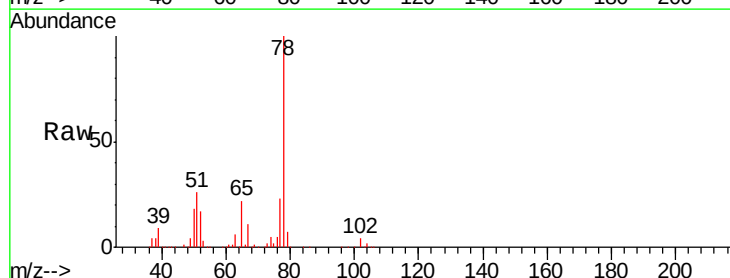
Acq: 27 Sep 2019 17:35

Tgt Ion: 65 Resp: 336986

Ion Ratio Lower Upper

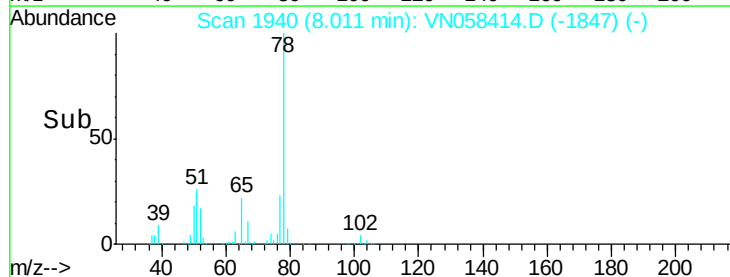
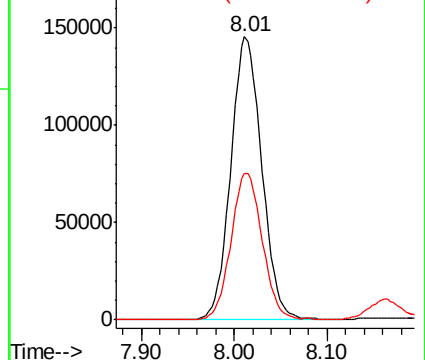
65 100

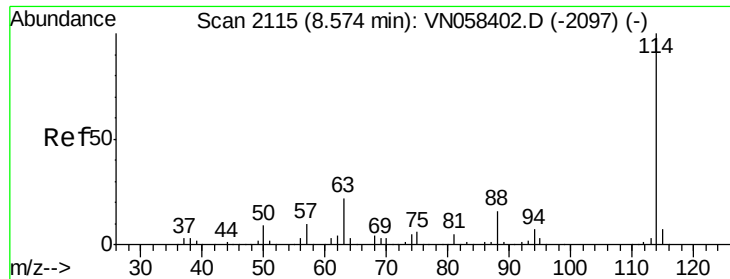
67 51.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

40080DL

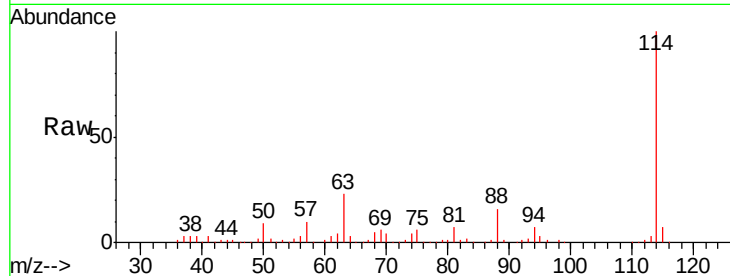
Tgt Ion:114 Resp: 795672

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

88 16.4 0.0 32.2



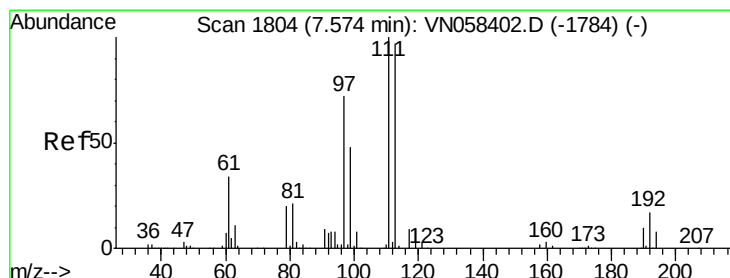
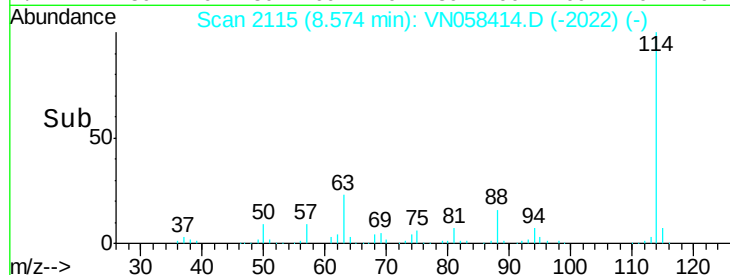
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.57

Time-->



#35

Dibromofluoromethane

Concen: 49.259 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

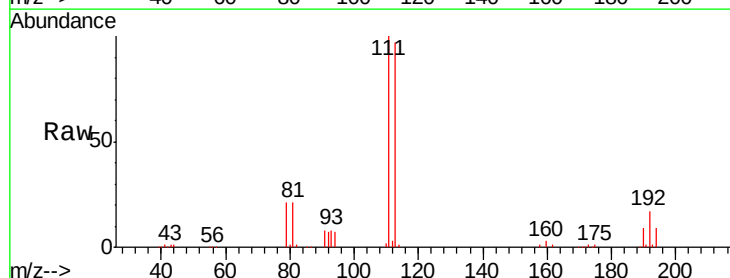
Tgt Ion:113 Resp: 238505

Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.2

192 18.4 14.9 22.3



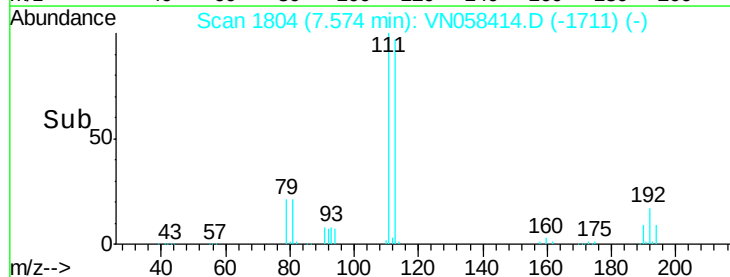
Abundance Ion 112.80 (112.50 to 113.50): V

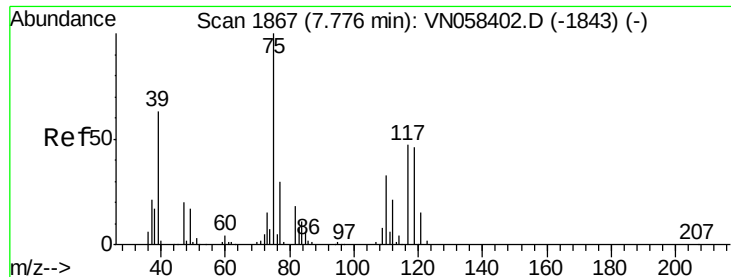
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.57

Time-->

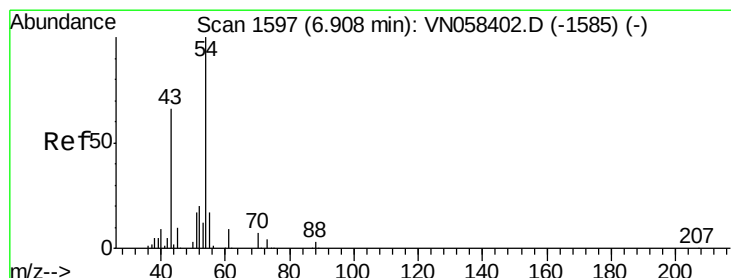
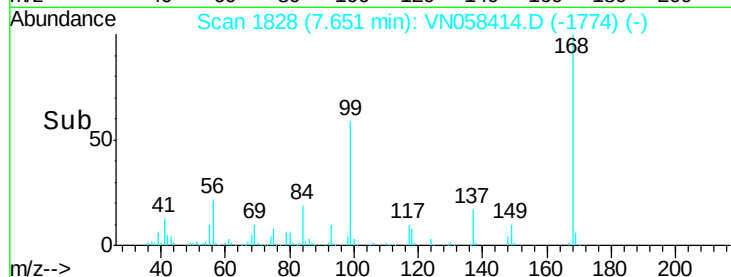
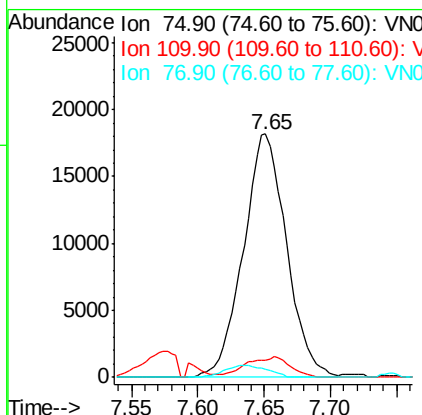
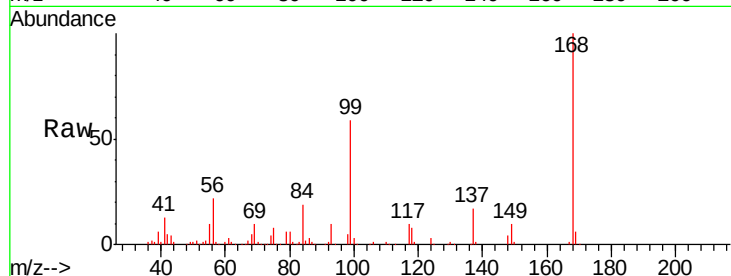




#36
 1,1-Dichloropropene
 Concen: 6.701 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

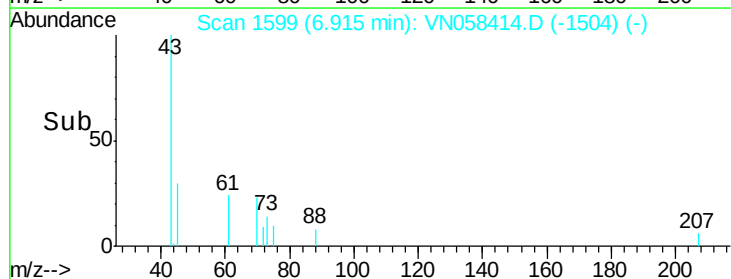
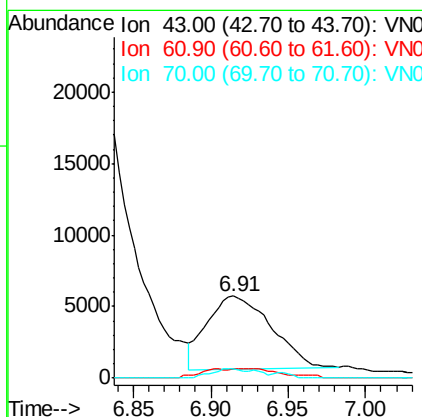
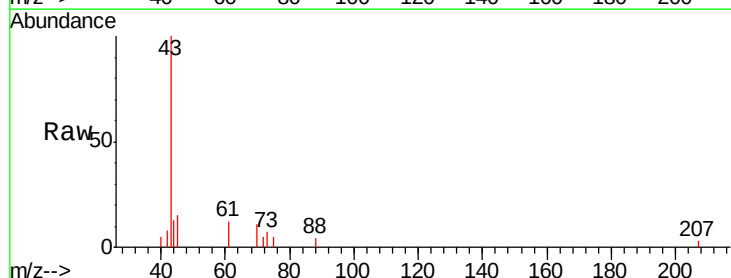
Instrument :
 MSVOA_N
 ClientSampleId :
 40080DL

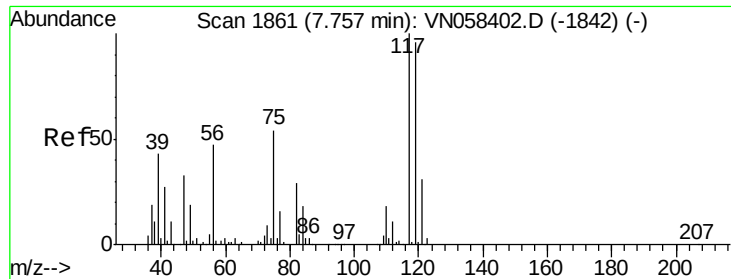
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.4	49.2#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 2.428 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.0	10.5	15.7#
70	6.1	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 8.284 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

40080DL

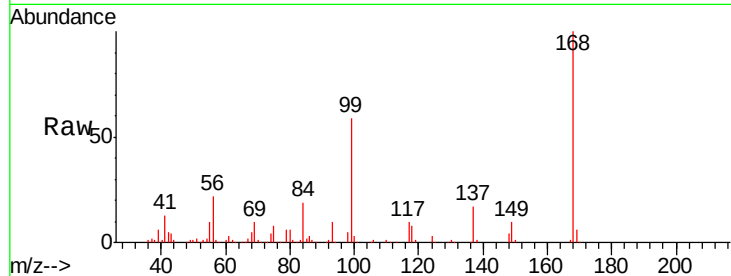
Tgt Ion: 117 Resp: 50026

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

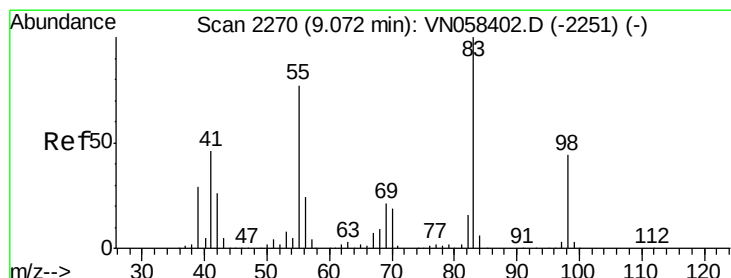
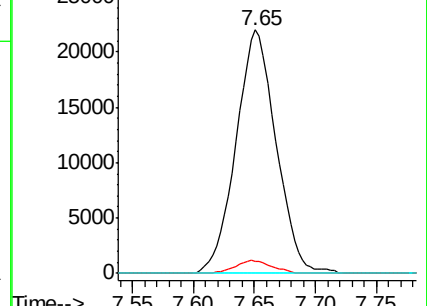
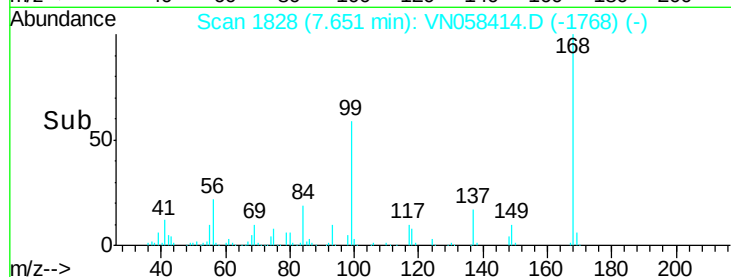
121 0.0 24.7 37.1#



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: 35.727 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

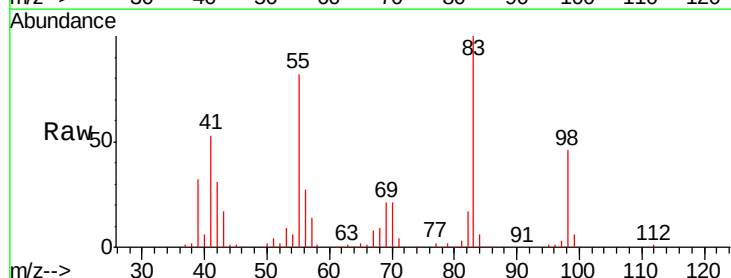
Tgt Ion: 83 Resp: 237308

Ion Ratio Lower Upper

83 100

55 81.2 61.8 92.6

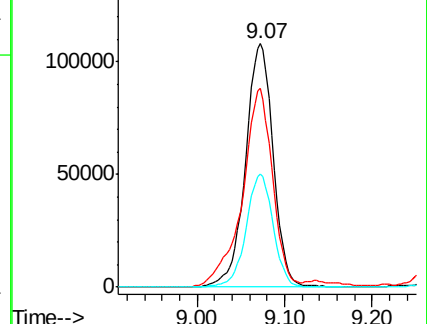
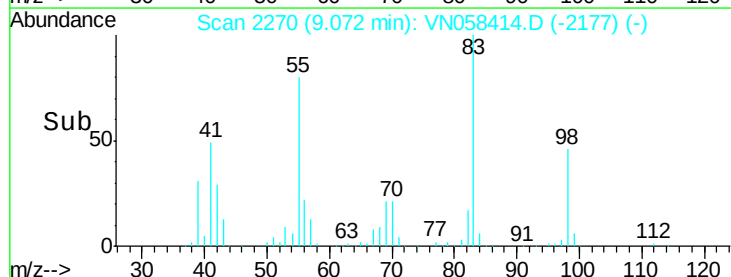
98 46.5 35.4 53.0

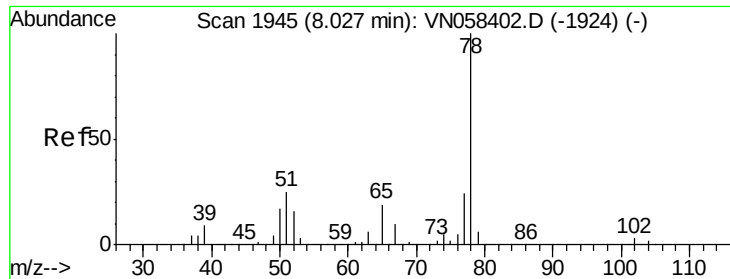


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 153.720 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

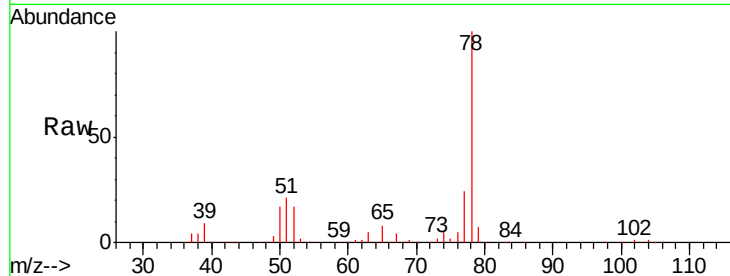
40080DL

Tgt Ion: 78 Resp: 2834914

Ion Ratio Lower Upper

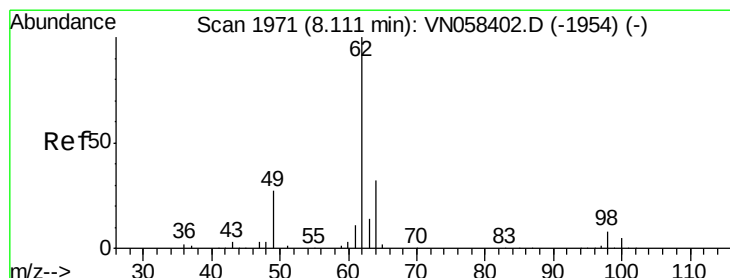
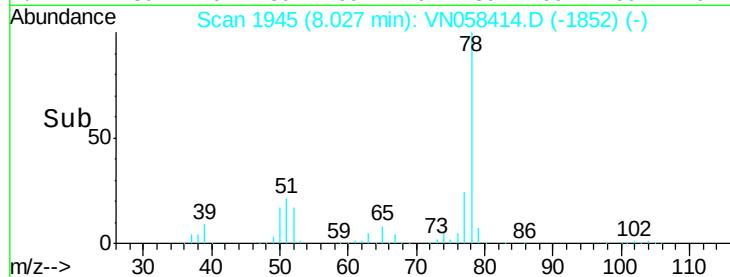
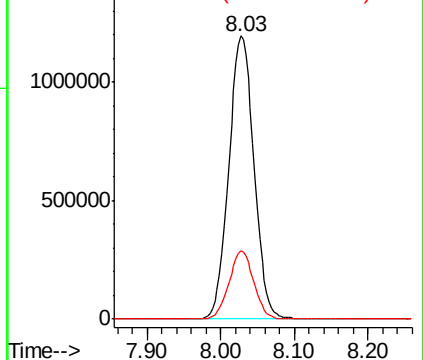
78 100

77 24.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

1,2-Dichloroethane

Concen: 3.612 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.08 min

Lab File: VN058414.D

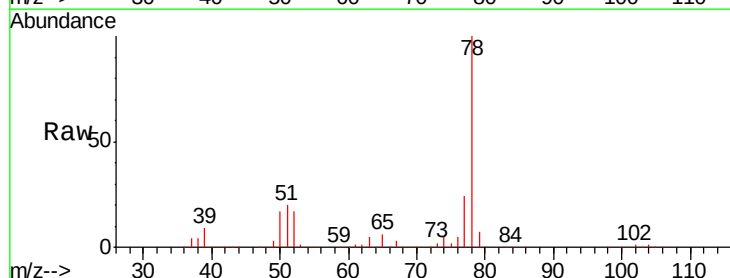
Acq: 27 Sep 2019 17:35

Tgt Ion: 62 Resp: 27433

Ion Ratio Lower Upper

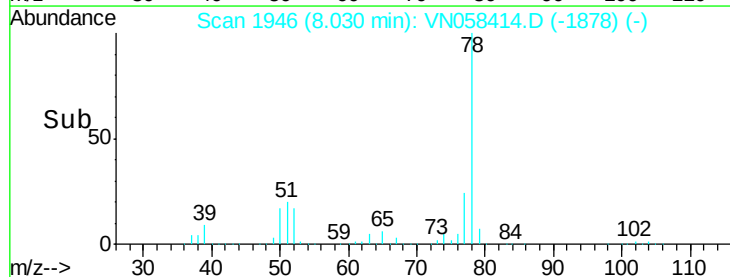
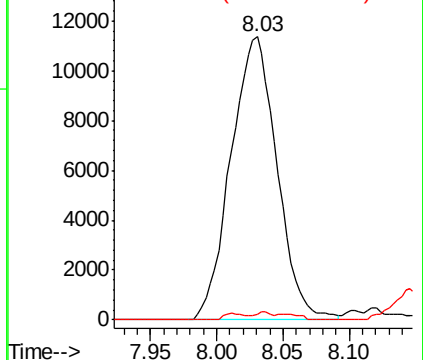
62 100

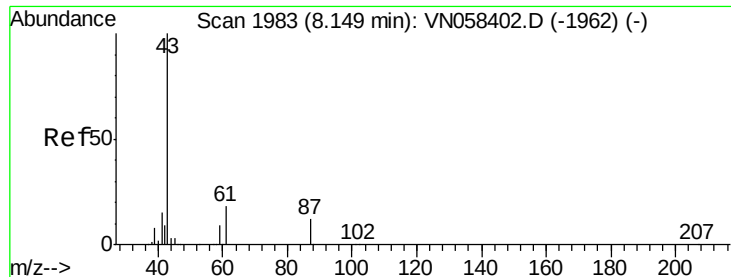
98 1.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.903 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.02 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleID :

40080DL

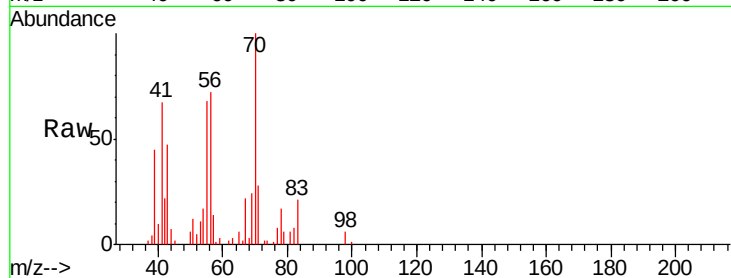
Tgt Ion: 43 Resp: 10223

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

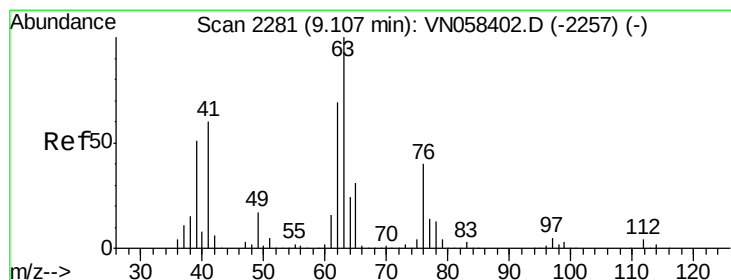
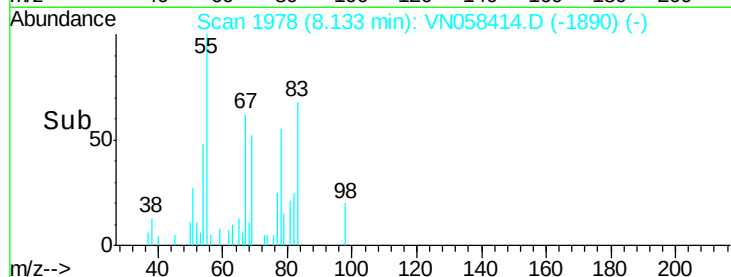
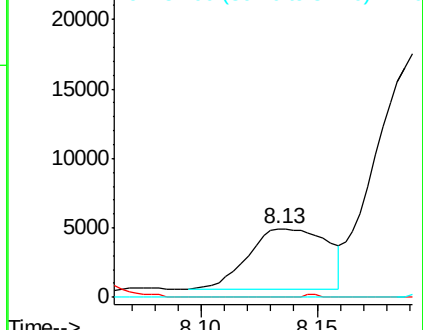
87 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.530 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.03 min

Lab File: VN058414.D

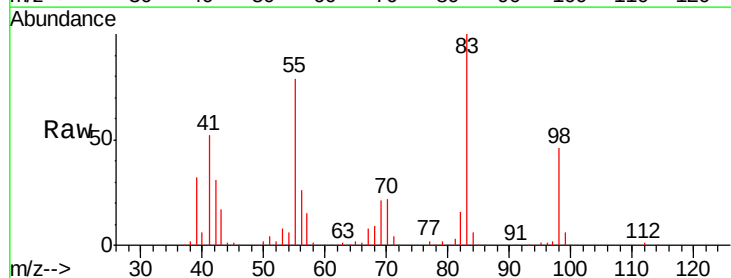
Acq: 27 Sep 2019 17:35

Tgt Ion: 63 Resp: 2846

Ion Ratio Lower Upper

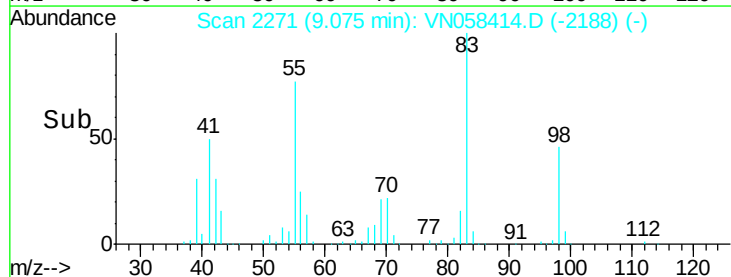
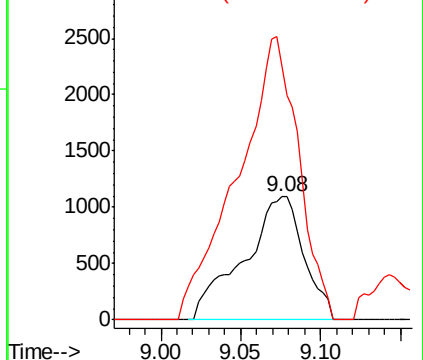
63 100

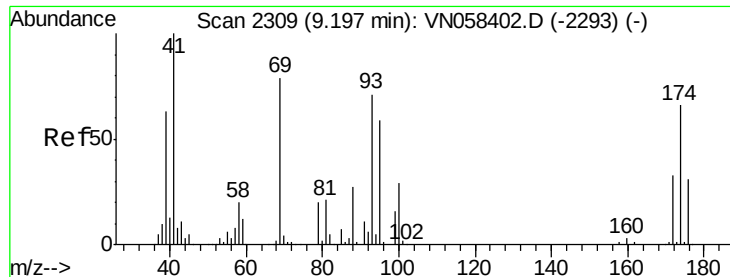
65 206.4 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

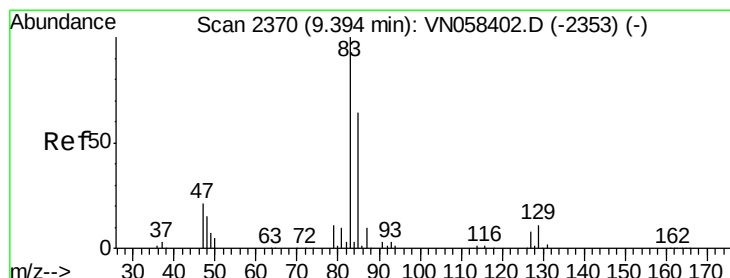
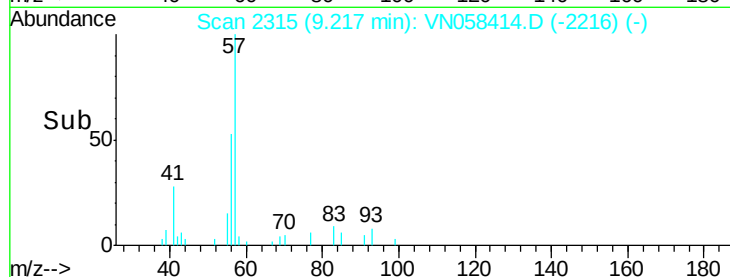
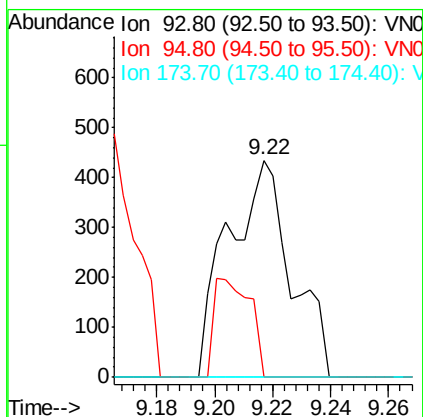
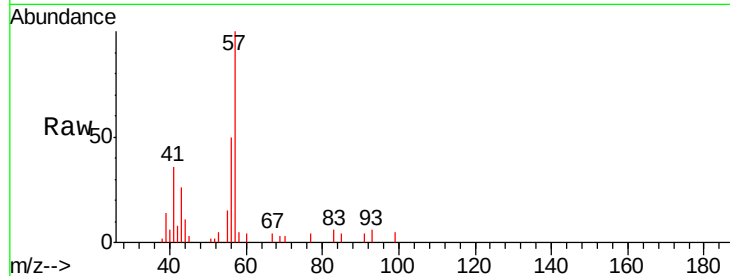




#46
Dibromomethane
Concen: 0.200 ug/l
RT: 9.22 min Scan# 2315
Delta R.T. 0.02 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

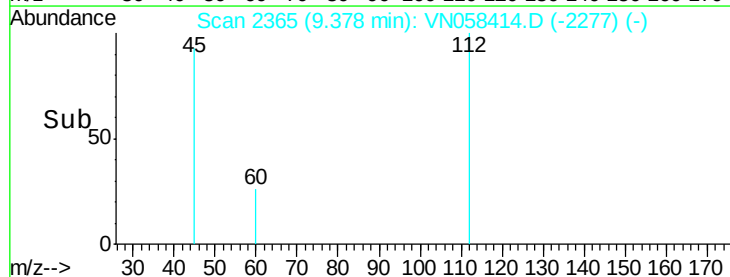
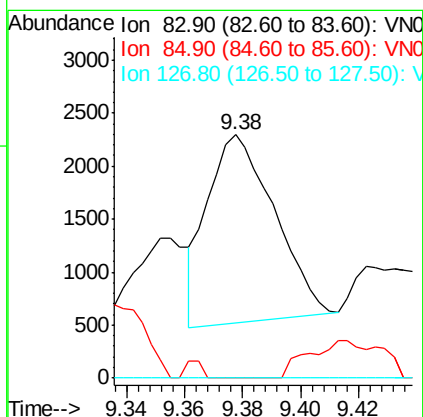
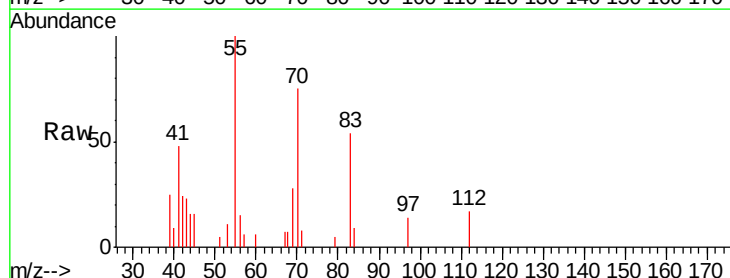
Instrument :
MSVOA_N
ClientSampled :
40080DL

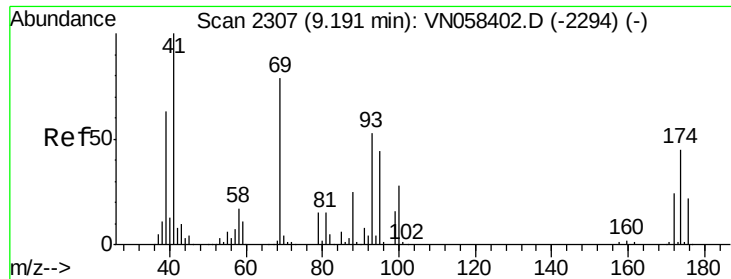
Tgt Ion: 93 Resp: 658
Ion Ratio Lower Upper
93 100
95 26.0 67.0 100.4#
174 0.0 74.2 111.2#



#47
Bromodichloromethane
Concen: 0.423 ug/l
RT: 9.38 min Scan# 2365
Delta R.T. -0.02 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

Tgt Ion: 83 Resp: 2865
Ion Ratio Lower Upper
83 100
85 0.0 51.2 76.8#
127 0.0 6.3 9.5#

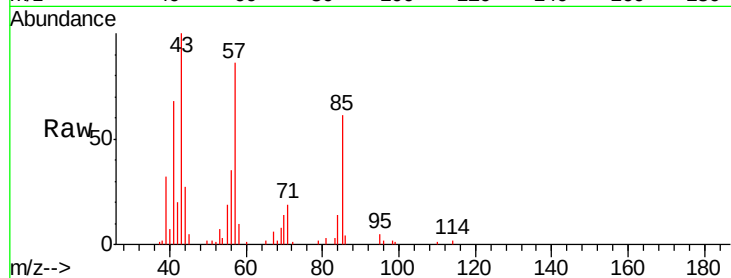




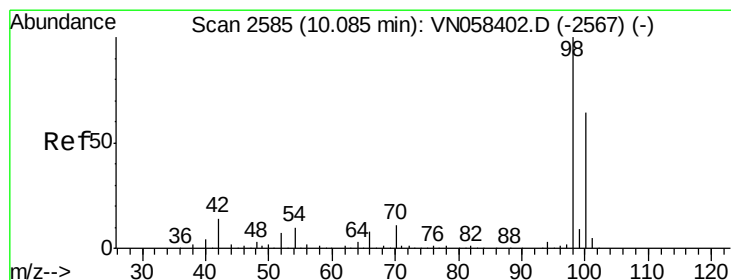
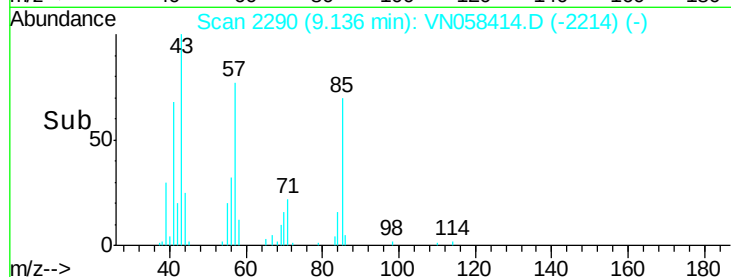
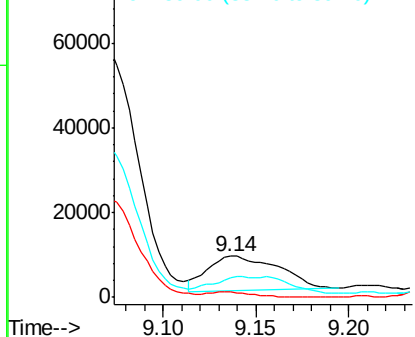
#48
Methyl methacrylate
Concen: 4.191 ug/l
RT: 9.14 min Scan# 2290
Delta R.T. -0.05 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
40080DL

Tgt Ion: 41 Resp: 21520
Ion Ratio Lower Upper
41 100
69 9.6 64.7 97.1#
39 17.3 52.9 79.3#

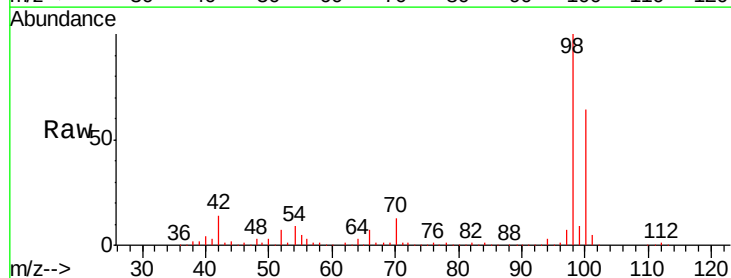


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

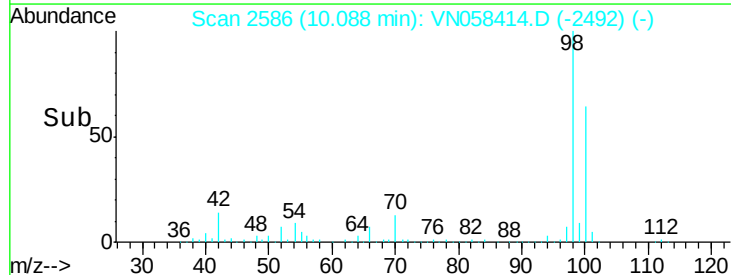
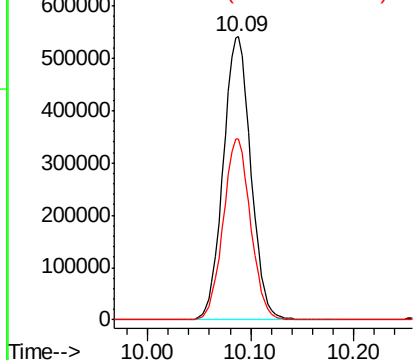


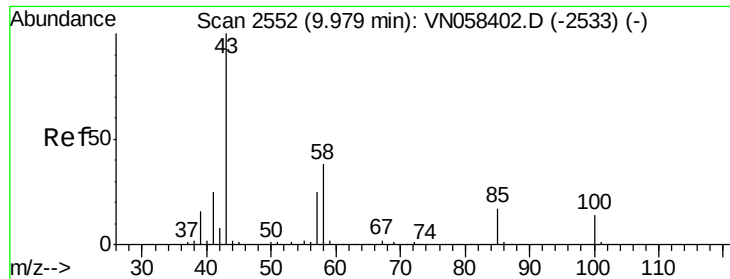
#50
Toluene-d8
Concen: 53.538 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

Tgt Ion: 98 Resp: 1007377
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6



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

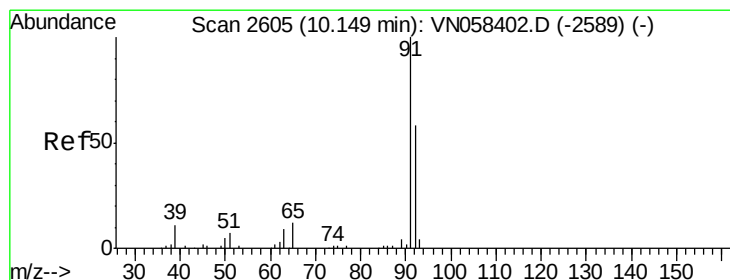
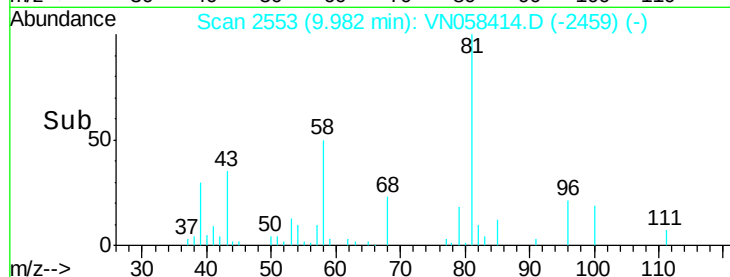
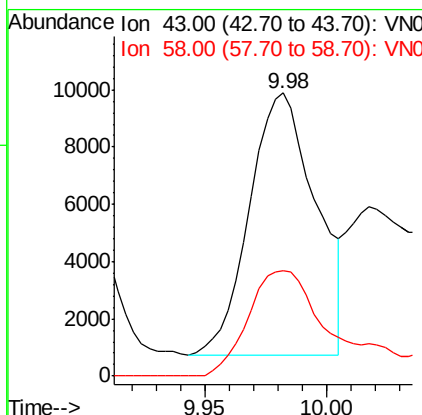
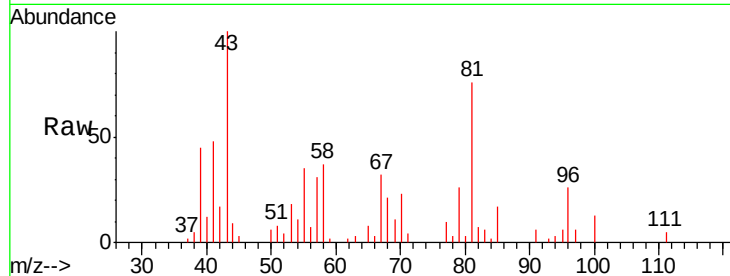




#51
 4-Methyl-2-Pentanone
 Concen: 2.921 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

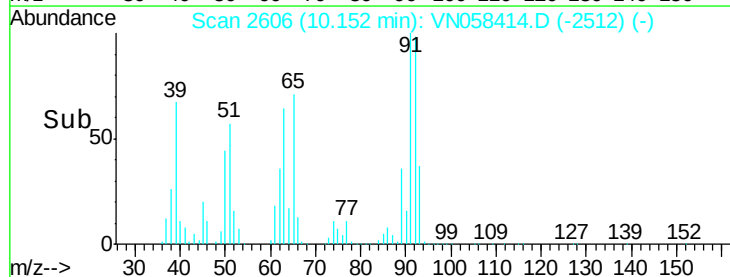
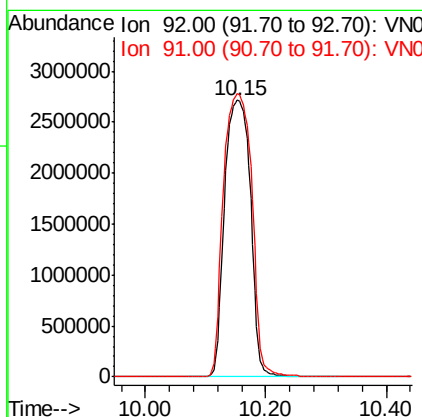
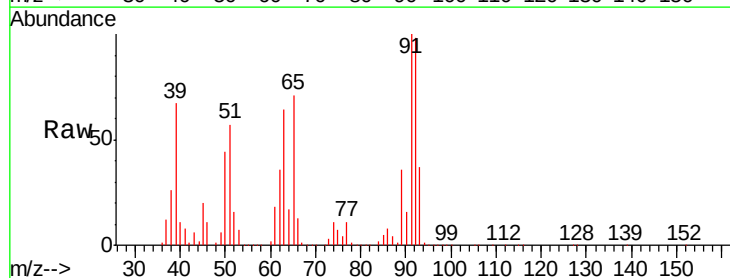
Instrument :
 MSVOA_N
 ClientSampleID :
 40080DL

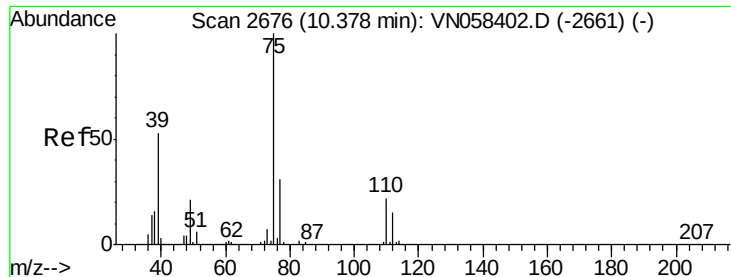
Tgt Ion: 43 Resp: 17378
 Ion Ratio Lower Upper
 43 100
 58 50.8 30.2 45.2#



#52
 Toluene
 Concen: 703.828 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

Tgt Ion: 92 Resp: 8077080
 Ion Ratio Lower Upper
 92 100
 91 112.4 140.2 210.4#





#53

t-1,3-Dichloropropene

Concen: 46.966 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

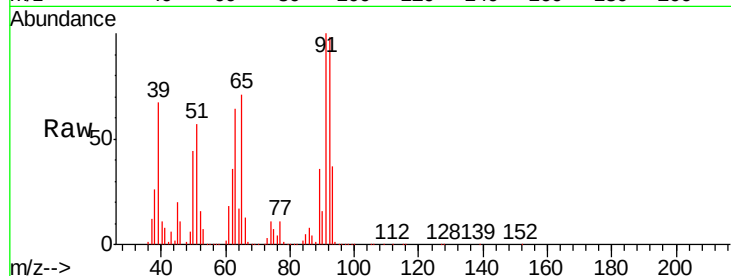
40080DL

Tgt Ion: 75 Resp: 330412

Ion Ratio Lower Upper

75 100

77 162.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

300000

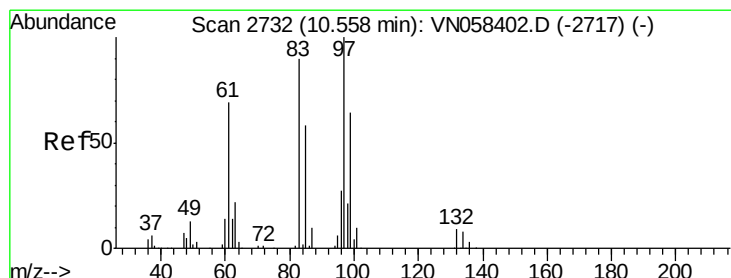
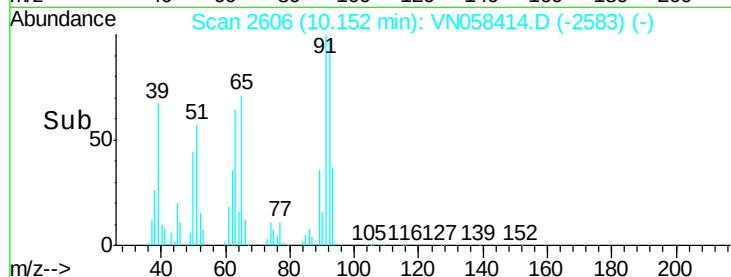
200000

100000

0

10.15

Time-->



#55

1,1,2-Trichloroethane

Concen: 5.572 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Tgt Ion: 97 Resp: 27420

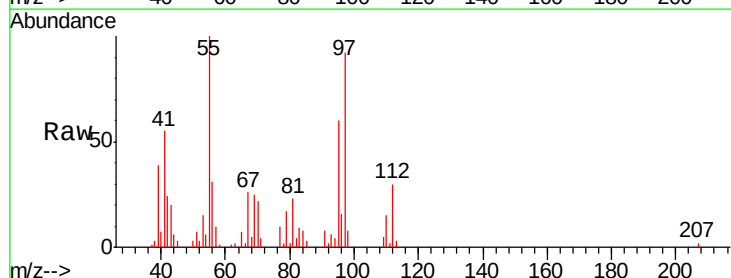
Ion Ratio Lower Upper

97 100

83 8.0 71.8 107.6#

85 2.7 46.6 69.8#

99 0.0 51.5 77.3#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

20000

15000

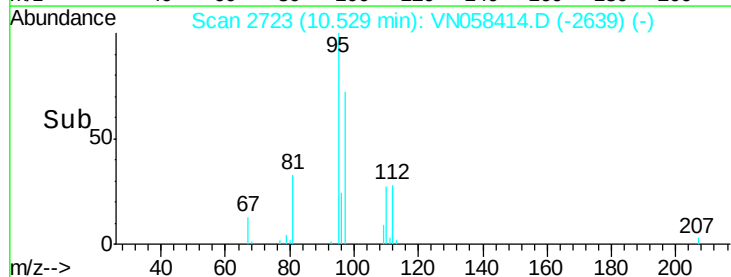
10000

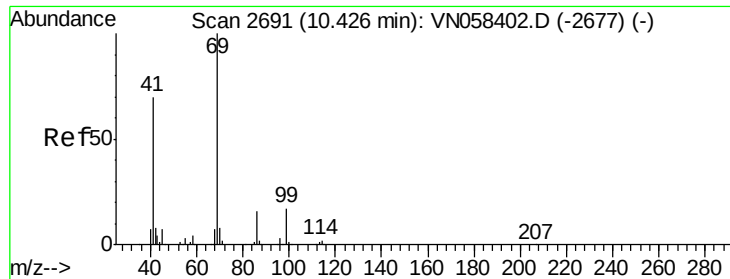
5000

0

10.53

Time-->





#56

Ethyl methacrylate

Concen: 0.729 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

40080DL

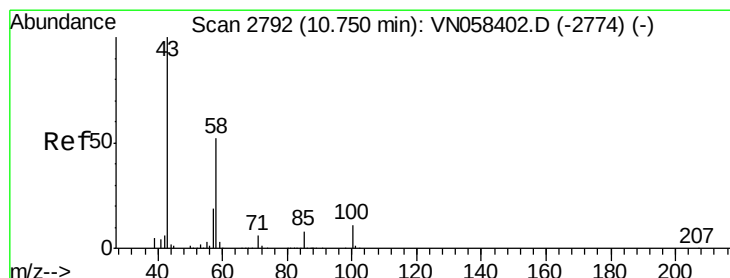
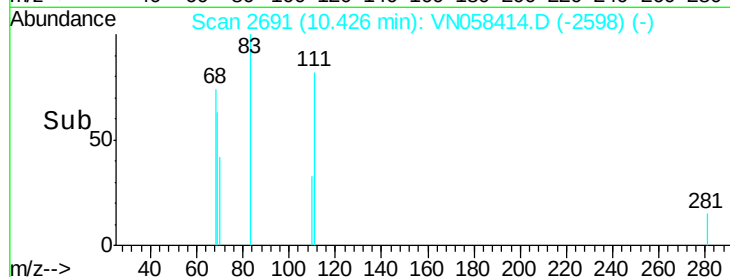
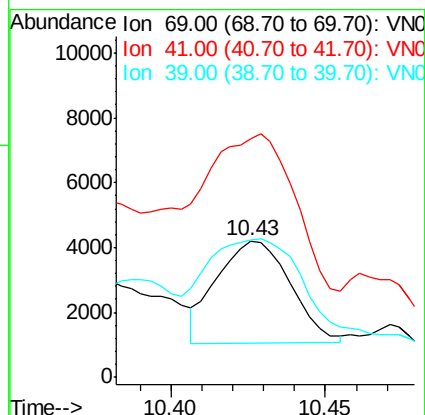
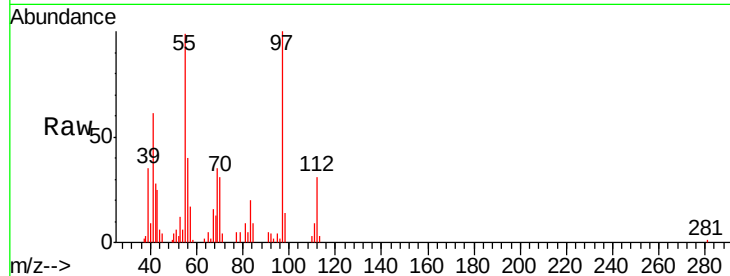
Tgt Ion: 69 Resp: 5215

Ion Ratio Lower Upper

69 100

41 0.0 56.3 84.5#

39 0.0 35.8 53.6#



#59

2-Hexanone

Concen: 7.631 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN058414.D

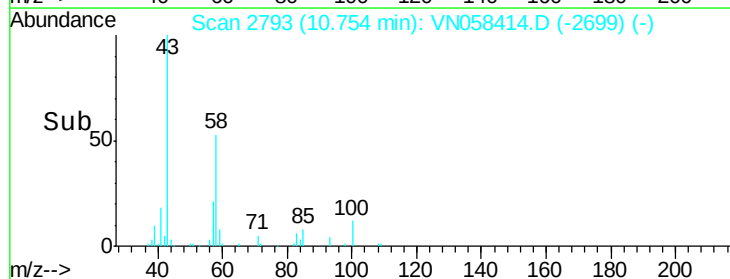
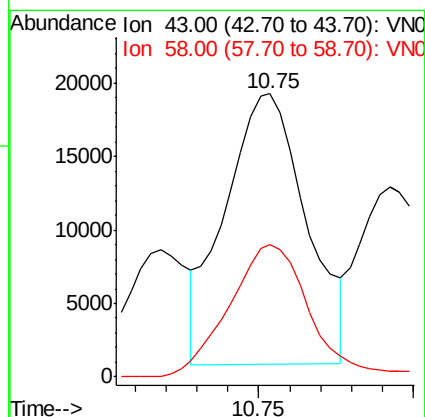
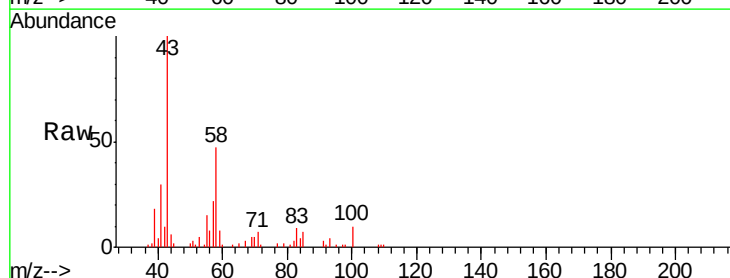
Acq: 27 Sep 2019 17:35

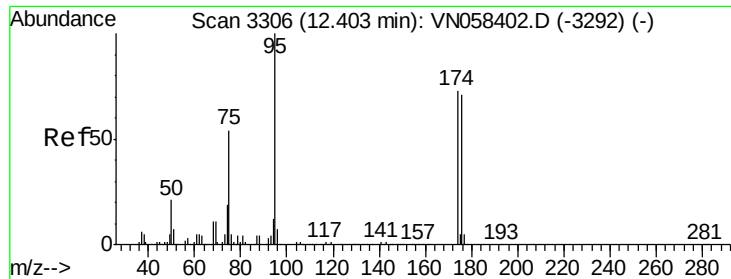
Tgt Ion: 43 Resp: 33631

Ion Ratio Lower Upper

43 100

58 48.3 25.8 77.3





#62

4-Bromofluorobenzene

Concen: 53.785 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

40080DL

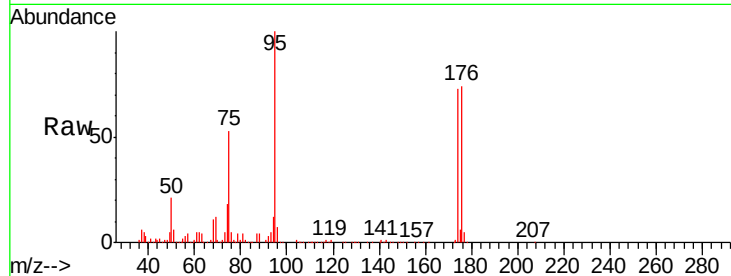
Tgt Ion: 95 Resp: 374842

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.6

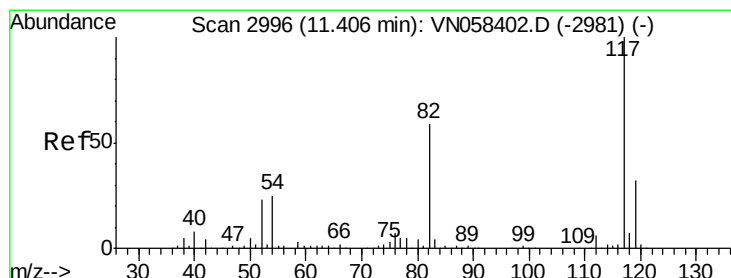
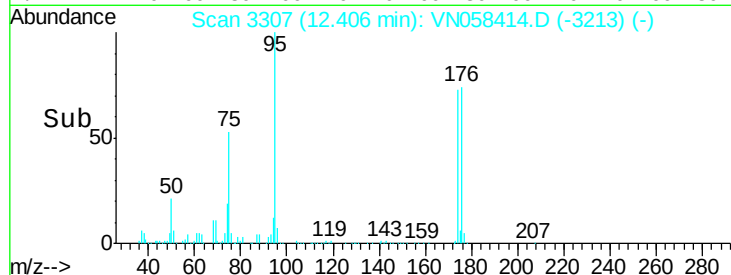
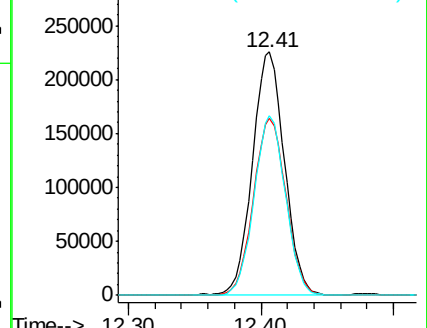
176 73.1 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058414.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058414.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058414.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

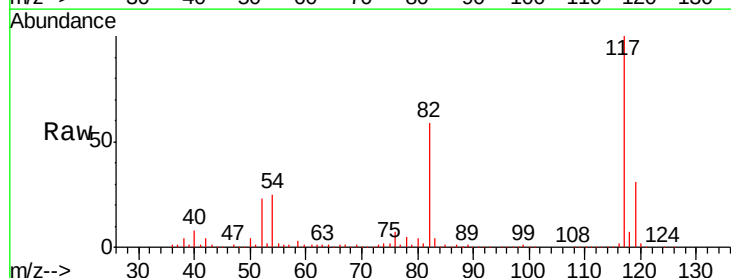
Tgt Ion: 117 Resp: 712776

Ion Ratio Lower Upper

117 100

82 58.6 47.4 71.0

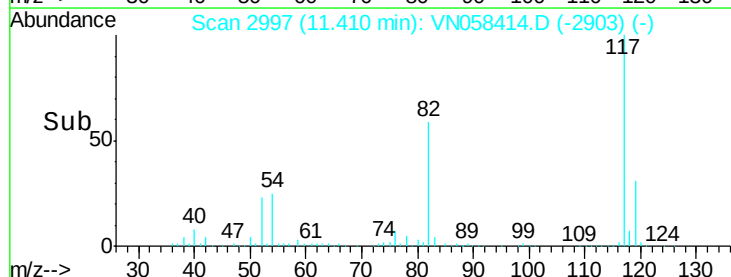
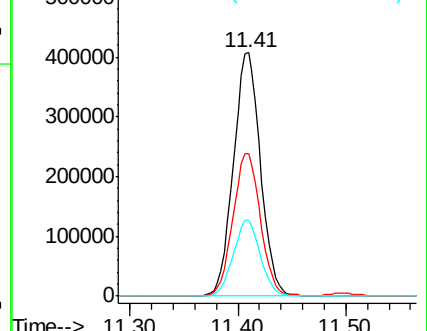
119 31.3 25.5 38.3

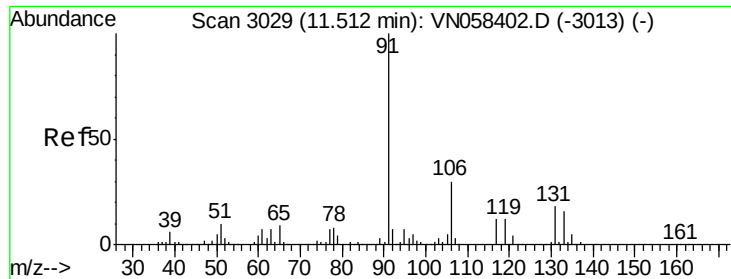


Abundance Ion 116.90 (116.60 to 117.60): VN058414.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058414.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058414.D (-2903) (-)





#67

Ethyl Benzene

Concen: 214.811 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

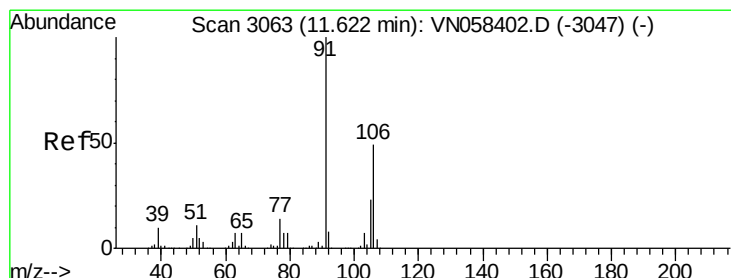
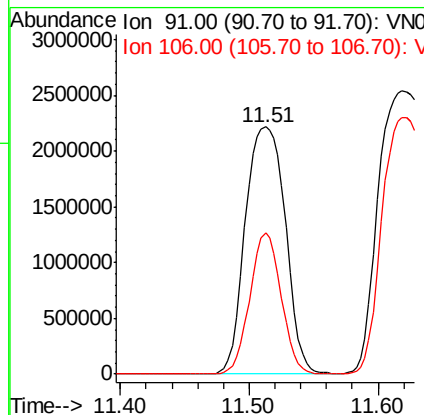
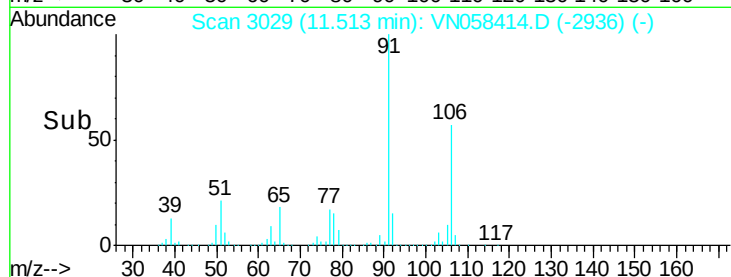
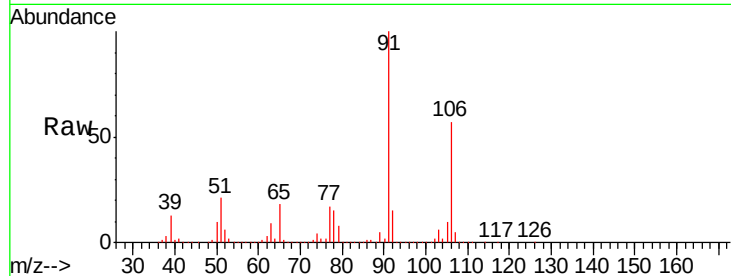
40080DL

Tgt Ion: 91 Resp: 4794293

Ion Ratio Lower Upper

91 100

106 57.4 24.3 36.5#



#68

m/p-Xylenes

Concen: 672.488 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058414.D

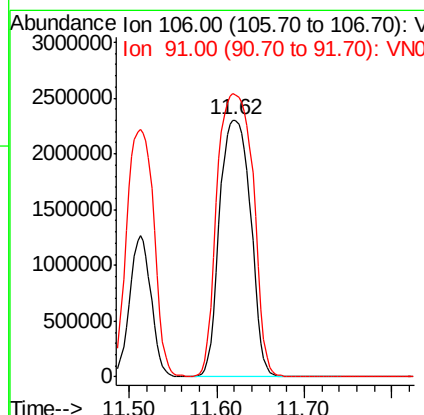
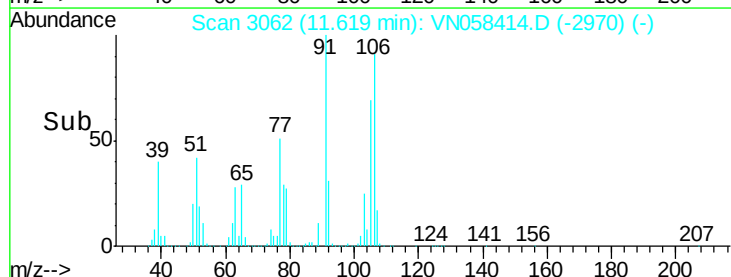
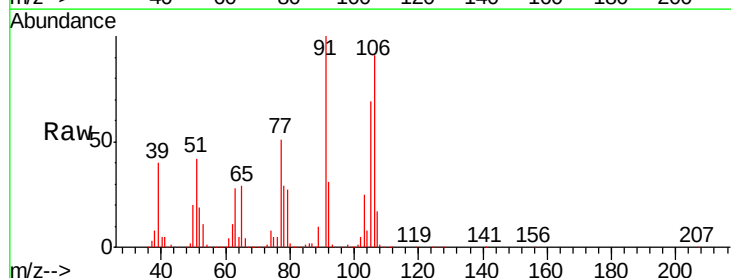
Acq: 27 Sep 2019 17:35

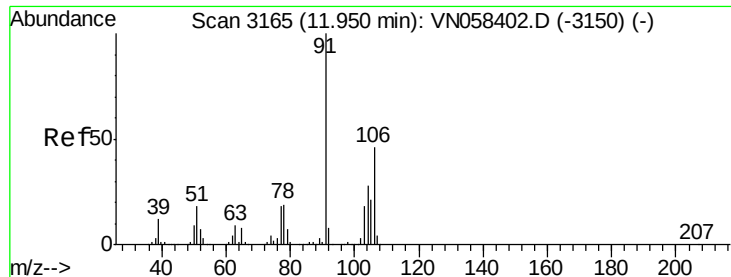
Tgt Ion: 106 Resp: 5660211

Ion Ratio Lower Upper

106 100

91 128.2 165.0 247.4#





#69

o-Xylene

Concen: 448.254 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

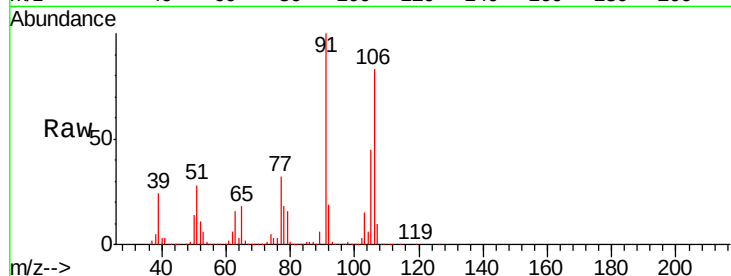
40080DL

Tgt Ion:106 Resp: 3690568

Ion Ratio Lower Upper

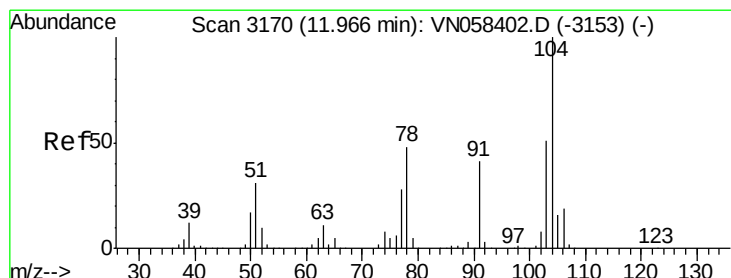
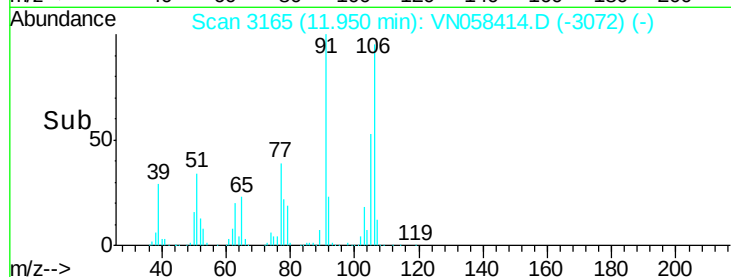
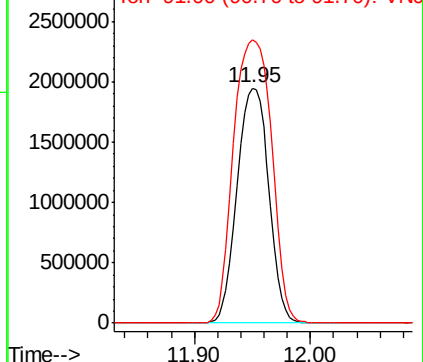
106 100

91 145.7 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 15.773 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.02 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

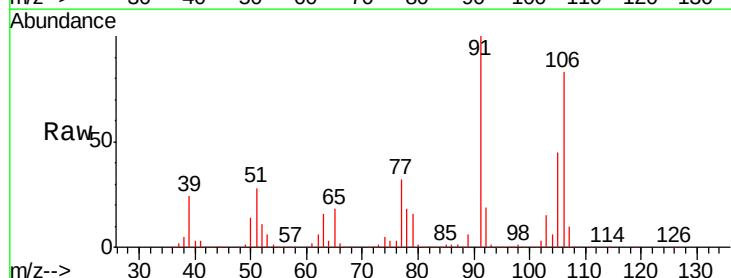
Tgt Ion:104 Resp: 221328

Ion Ratio Lower Upper

104 100

78 315.9 42.8 64.2#

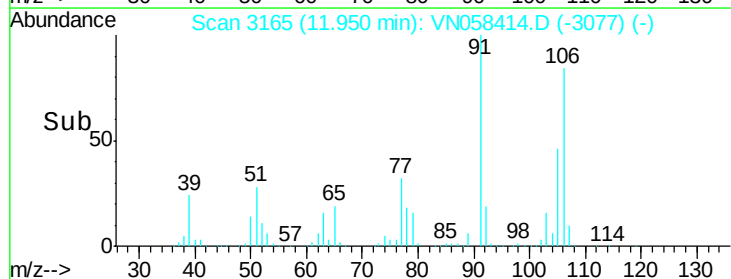
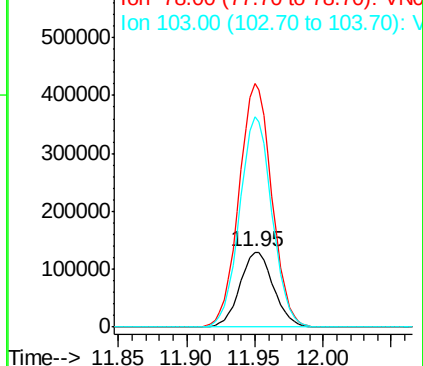
103 270.8 43.7 65.5#

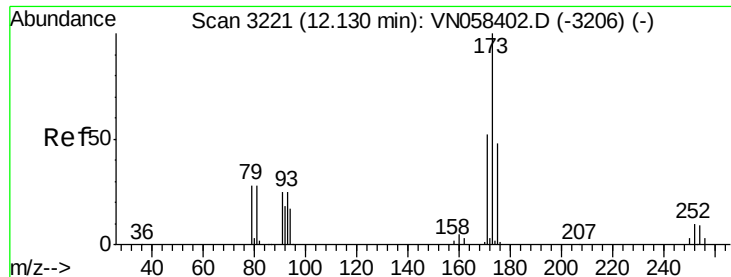


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.318 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

40080DL

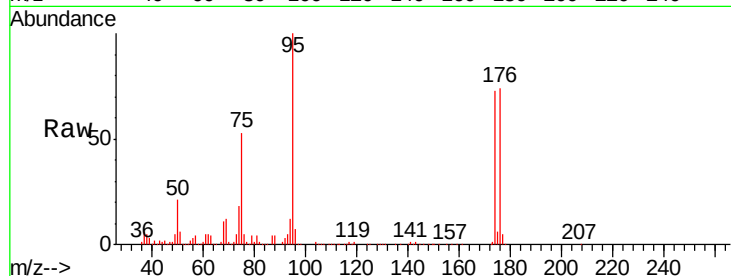
Tgt Ion:173 Resp: 923

Ion Ratio Lower Upper

173 100

175 1964.4 24.3 73.0#

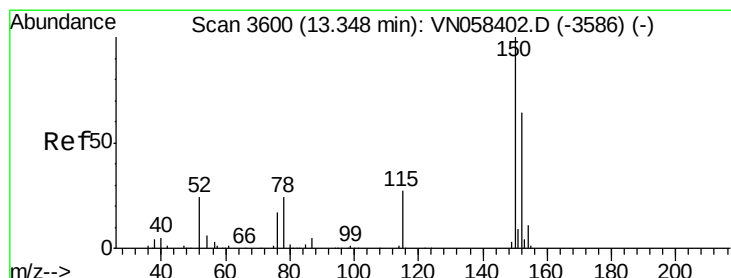
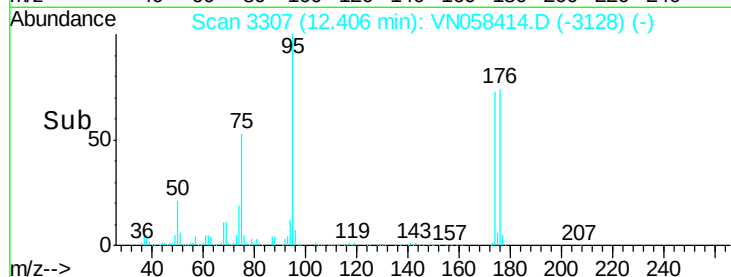
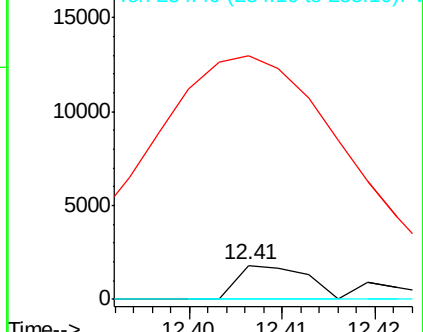
254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

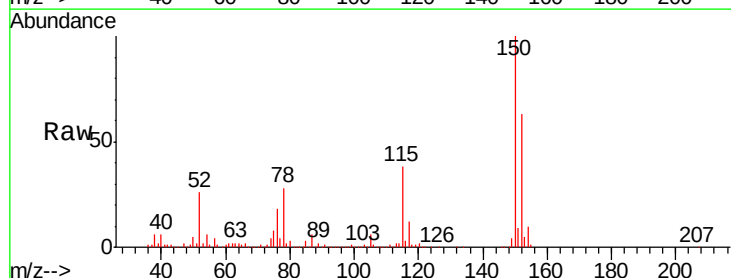
Tgt Ion:152 Resp: 348604

Ion Ratio Lower Upper

152 100

115 75.7 30.0 90.0

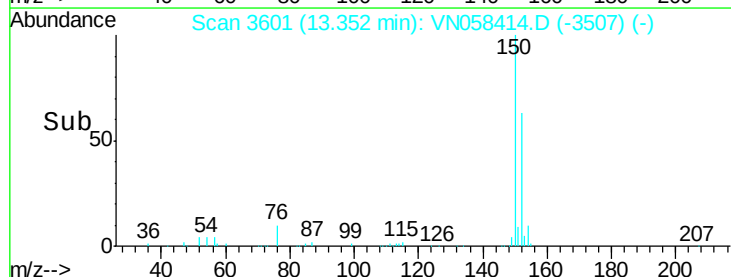
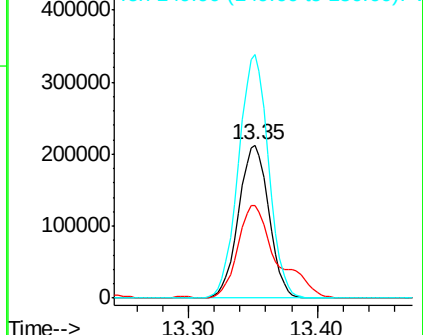
150 157.6 0.0 348.2

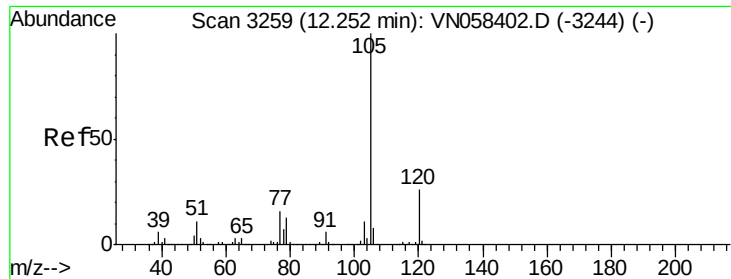


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 12.665 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

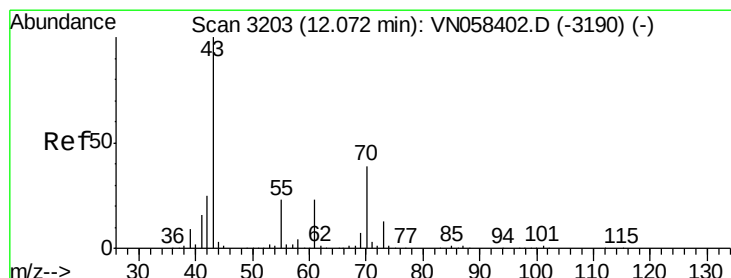
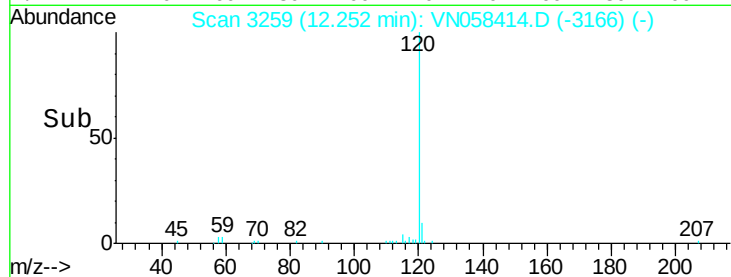
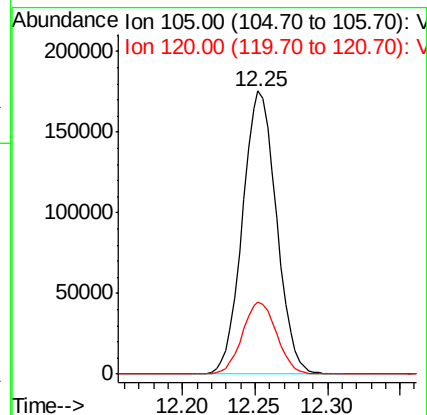
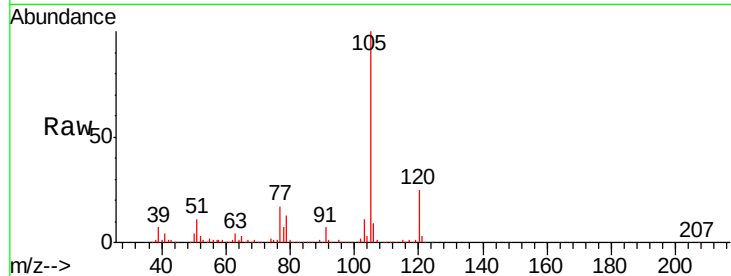
40080DL

Tgt Ion: 105 Resp: 285710

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 2.782 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Tgt Ion: 43 Resp: 25946

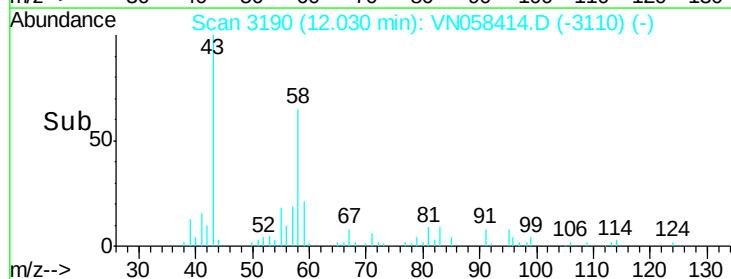
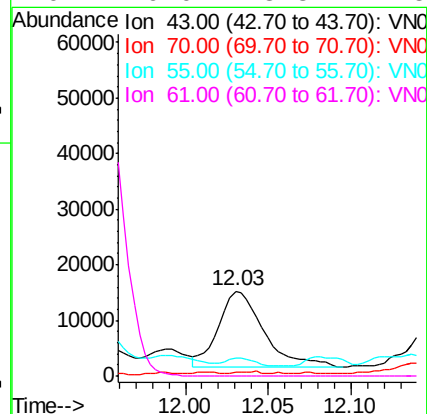
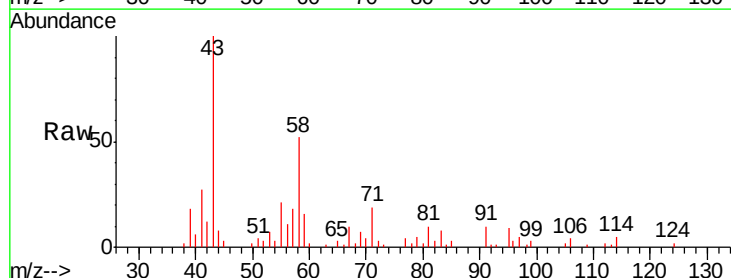
Ion Ratio Lower Upper

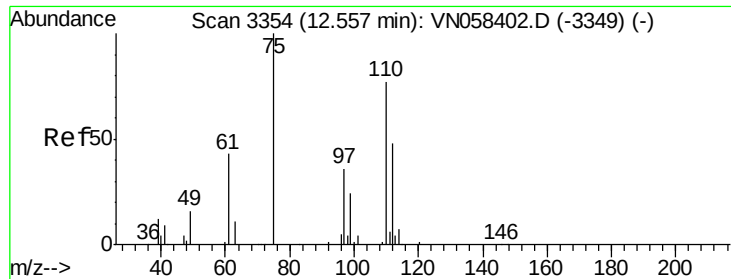
43 100

70 1.1 31.4 47.2#

55 6.4 18.2 27.4#

61 0.0 18.3 27.5#





#76

1,2,3-Trichloropropane

Concen: 1.097 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

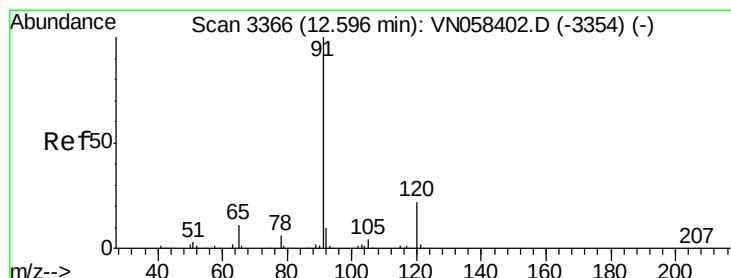
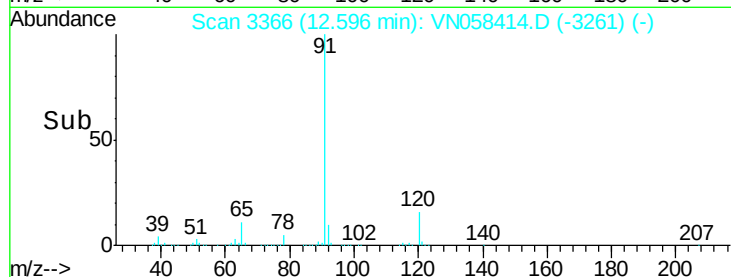
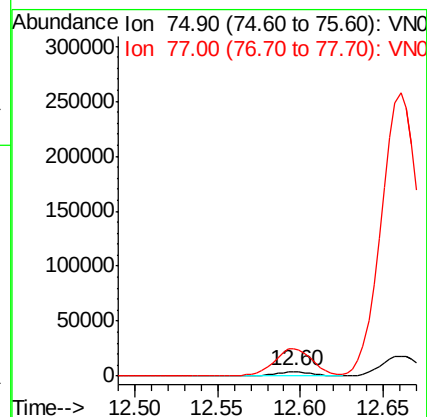
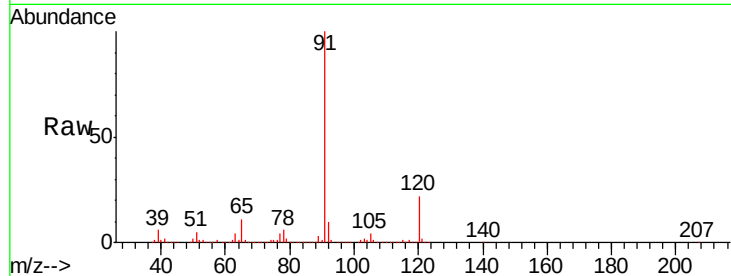
40080DL

Tgt Ion: 75 Resp: 6941

Ion Ratio Lower Upper

75 100

77 570.5 0.0 0.0#



#78

n-propylbenzene

Concen: 38.497 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058414.D

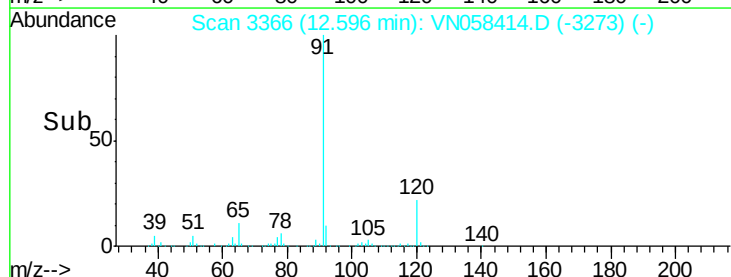
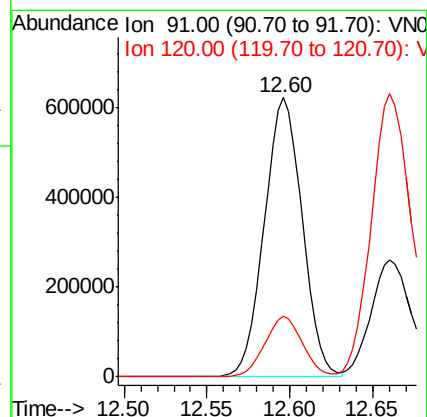
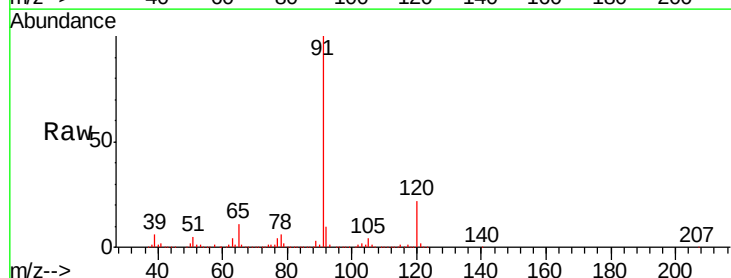
Acq: 27 Sep 2019 17:35

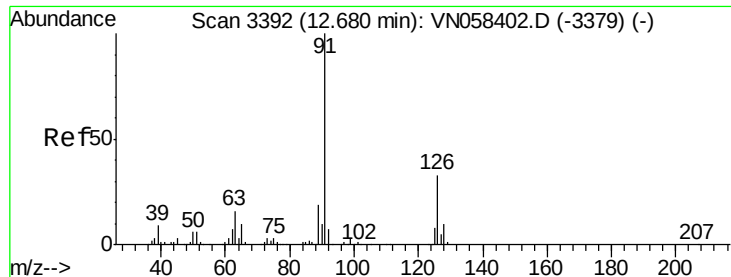
Tgt Ion: 91 Resp: 987551

Ion Ratio Lower Upper

91 100

120 21.4 10.9 32.9





#79

2-Chlorotoluene

Concen: 25.609 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

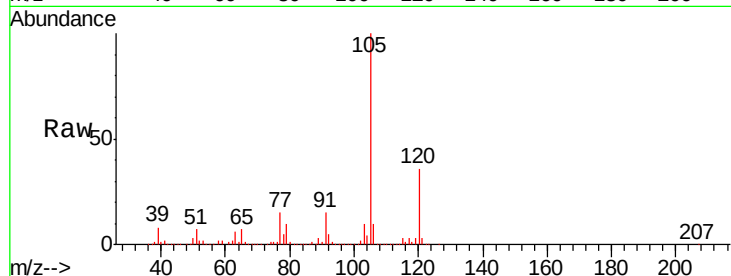
40080DL

Tgt Ion: 91 Resp: 408314

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#

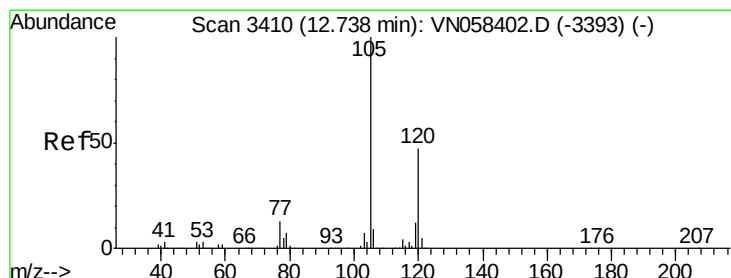
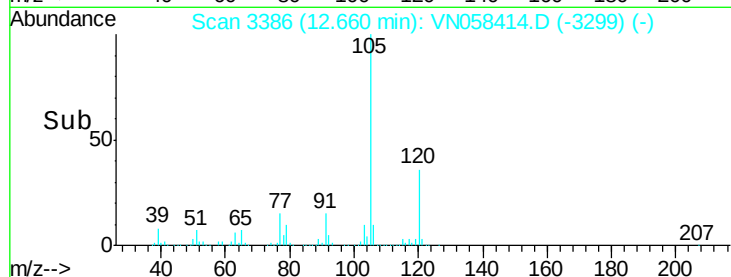
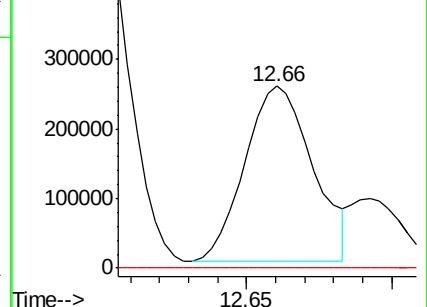


Abundance Ion 91.00 (90.70 to 91.70): VN058414.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058414.D (-3299) (-)

12.66

12.65



#80

1,3,5-Trimethylbenzene

Concen: 64.484 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058414.D

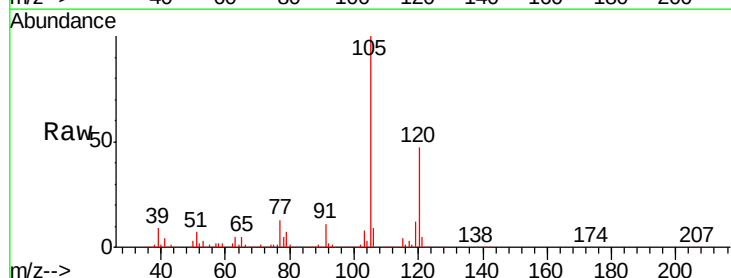
Acq: 27 Sep 2019 17:35

Tgt Ion: 105 Resp: 1226139

Ion Ratio Lower Upper

105 100

120 47.5 23.5 70.6

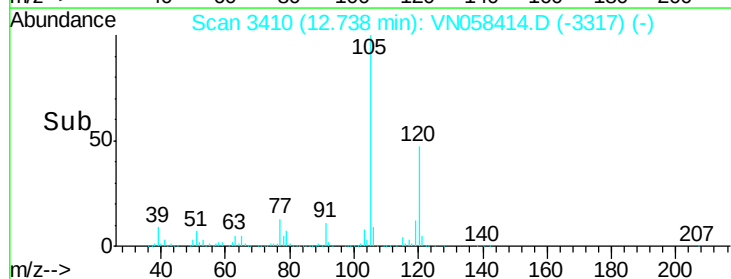
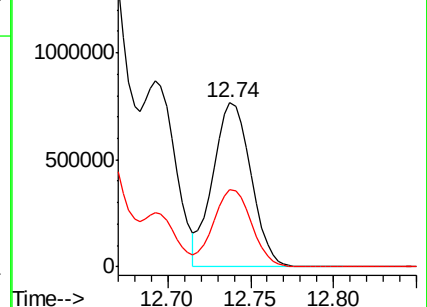


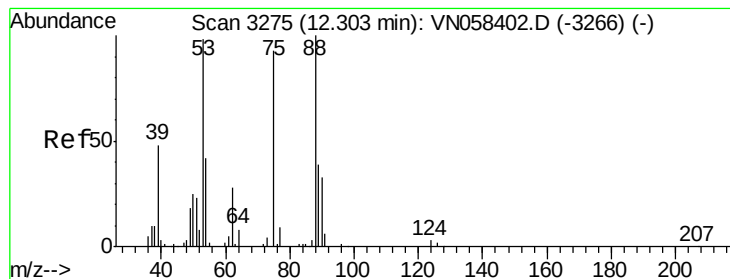
Abundance Ion 105.00 (104.70 to 105.70): VN058414.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058414.D (-3317) (-)

12.74

12.70





#81

trans-1,4-Dichloro-2-butene

Concen: 103.834 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

40080DL

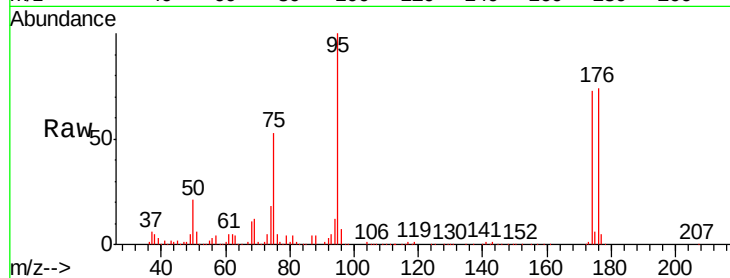
Tgt Ion: 75 Resp: 202110

Ion Ratio Lower Upper

75 100

53 0.4 85.4 128.0#

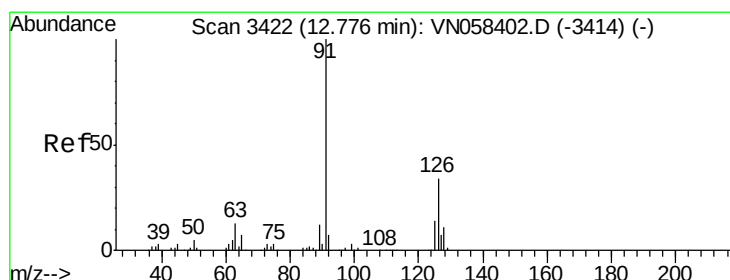
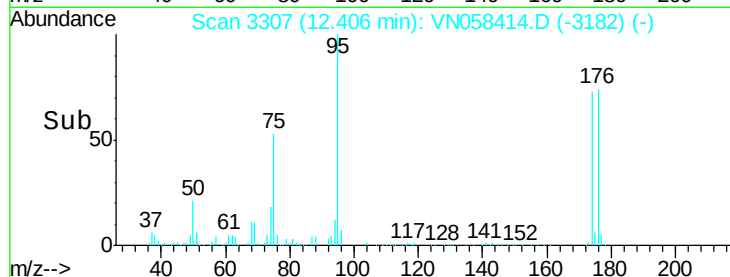
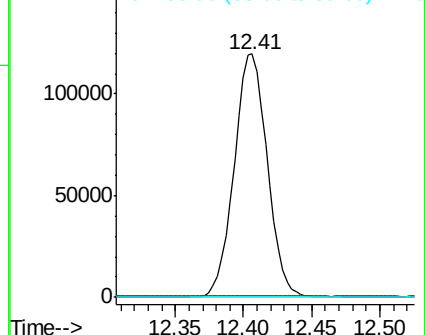
89 0.0 35.0 52.4#



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: 8.046 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058414.D

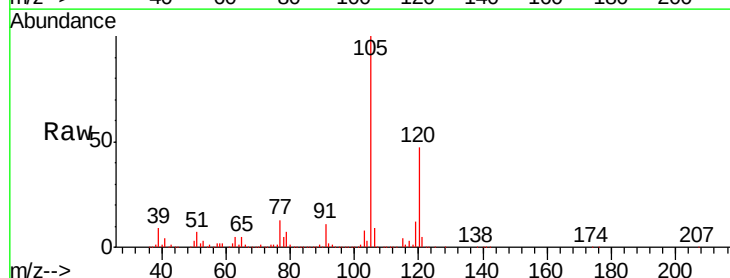
Acq: 27 Sep 2019 17:35

Tgt Ion: 91 Resp: 134141

Ion Ratio Lower Upper

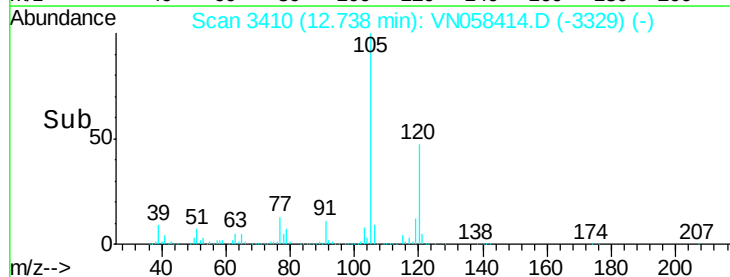
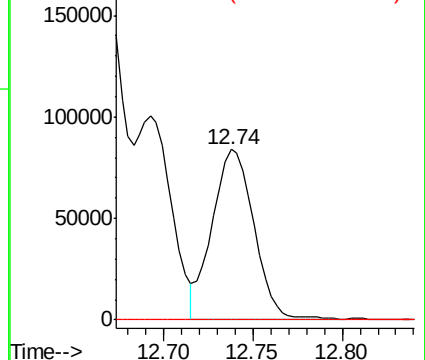
91 100

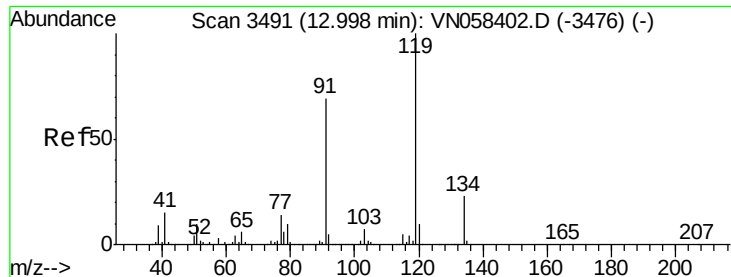
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

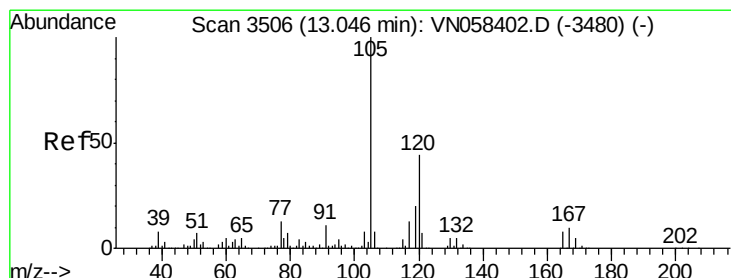
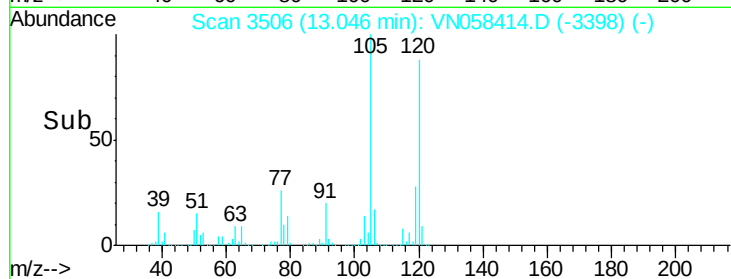
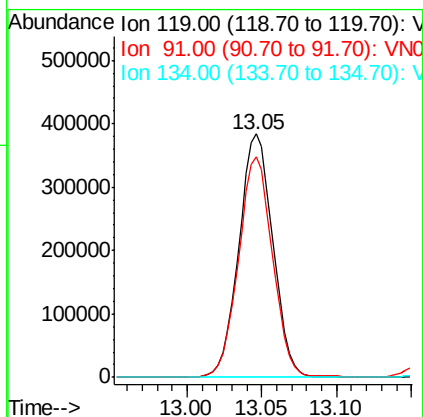
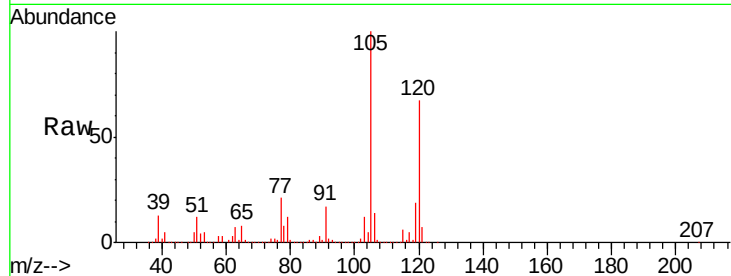




#83
 tert-Butylbenzene
 Concen: 35.907 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.05 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

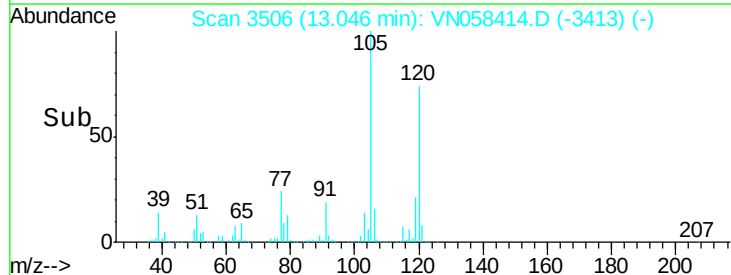
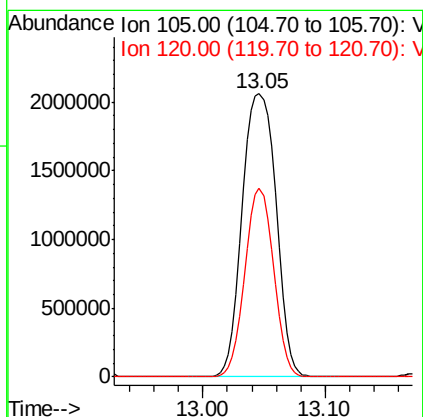
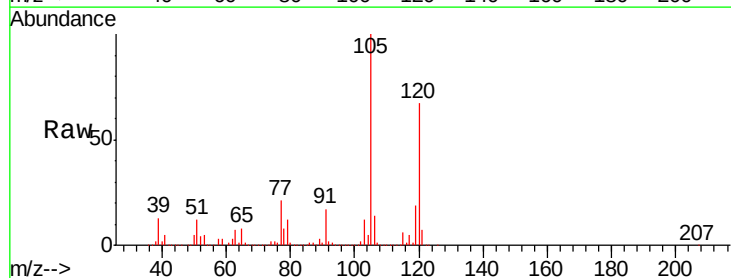
Instrument :
 MSVOA_N
 ClientSampled :
 40080DL

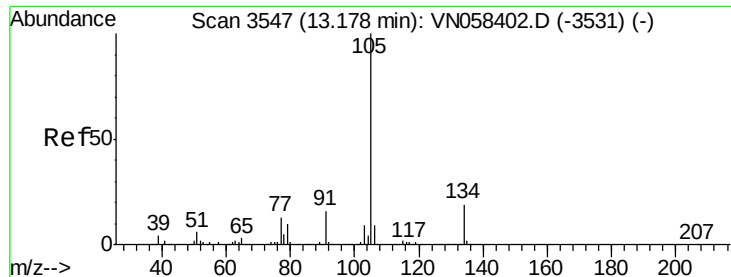
Tgt Ion:119 Resp: 603026
 Ion Ratio Lower Upper
 119 100
 91 90.8 34.2 102.6
 134 0.0 11.6 34.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 208.416 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058414.D
 Acq: 27 Sep 2019 17:35

Tgt Ion:105 Resp: 3945964
 Ion Ratio Lower Upper
 105 100
 120 56.2 21.7 65.1





#85

sec-Butylbenzene

Concen: 179.687 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

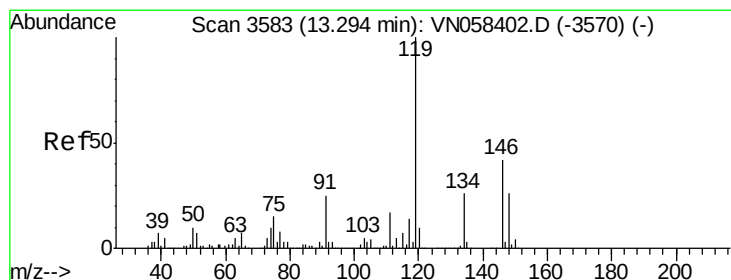
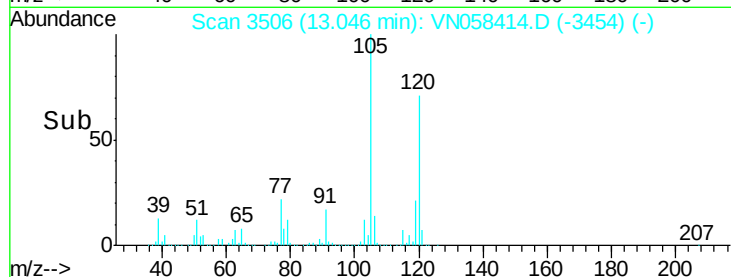
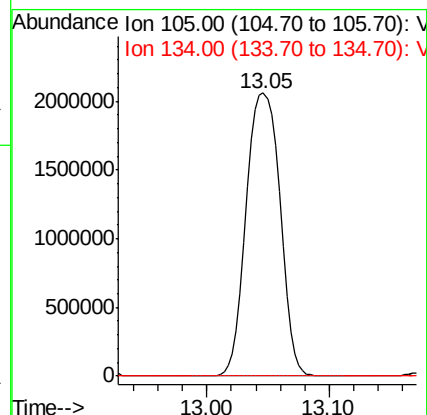
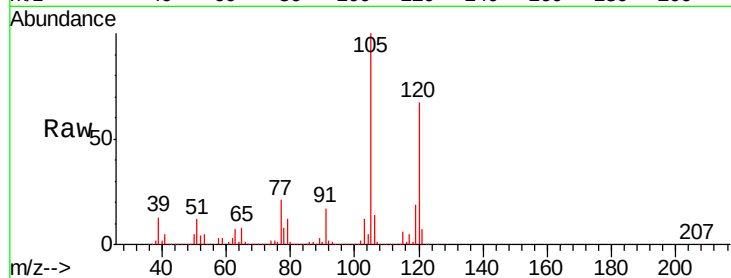
40080DL

Tgt Ion:105 Resp: 3945964

Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.2#



#86

p-Isopropyltoluene

Concen: 4.656 ug/l

RT: 13.24 min Scan# 3566

Delta R.T. -0.05 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

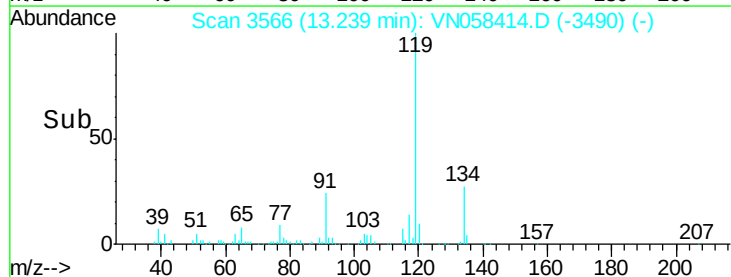
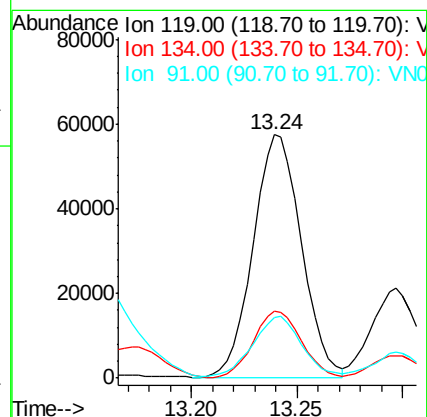
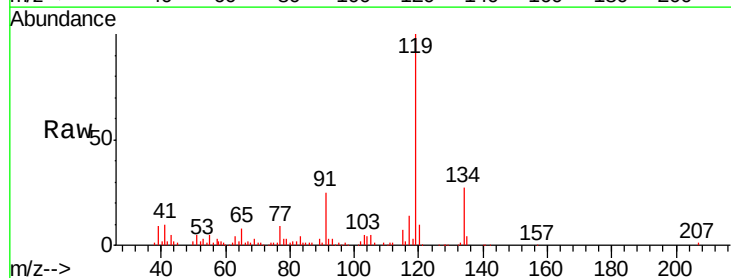
Tgt Ion:119 Resp: 90699

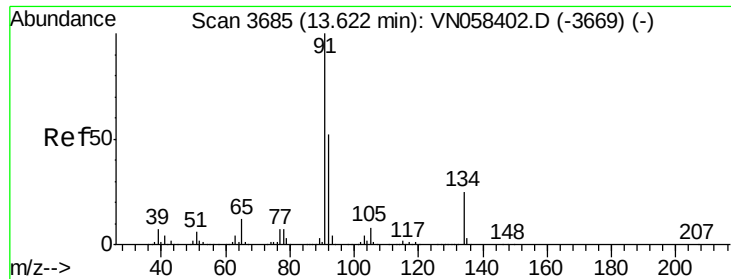
Ion Ratio Lower Upper

119 100

134 27.7 13.0 39.0

91 24.2 12.4 37.0

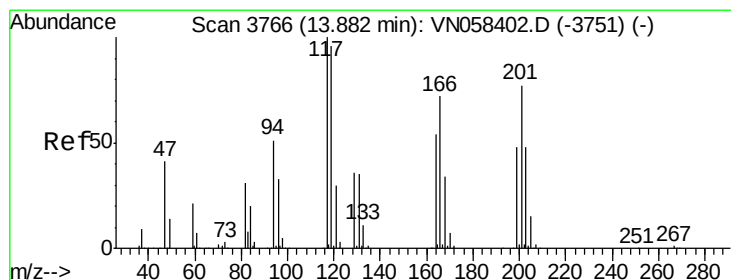
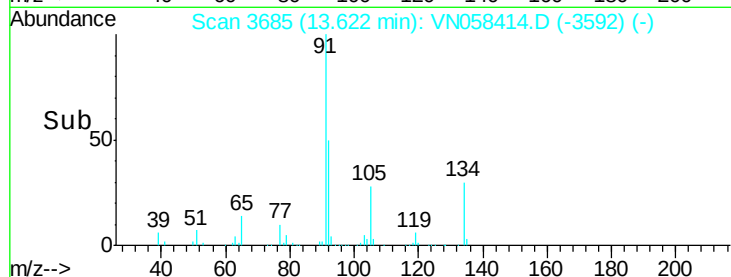
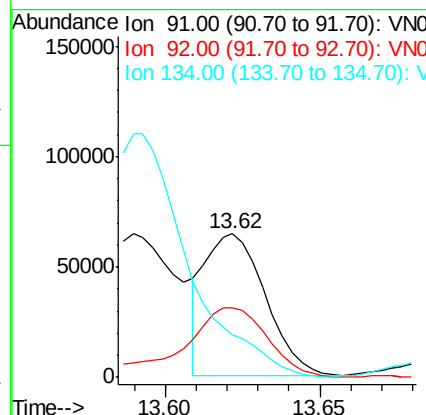
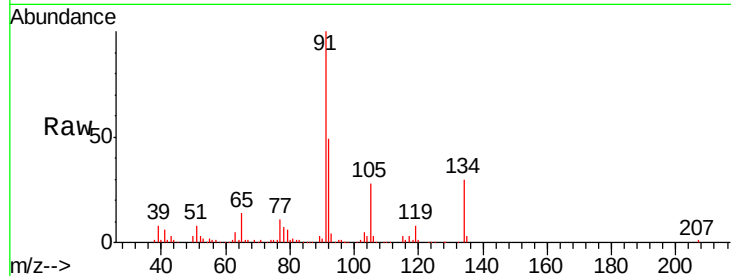




#89
n-Butylbenzene
Concen: 4.746 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

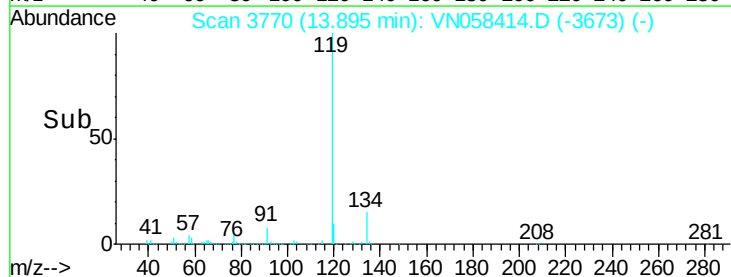
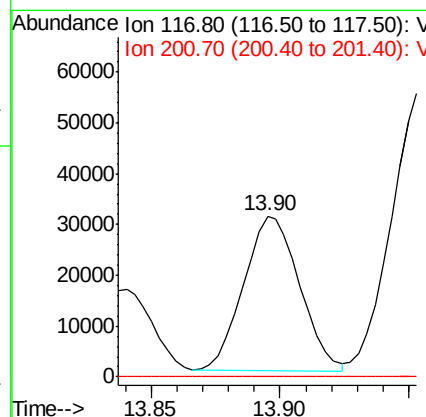
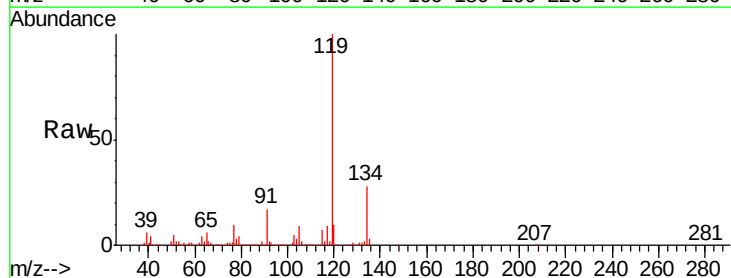
Instrument :
MSVOA_N
ClientSampled :
40080DL

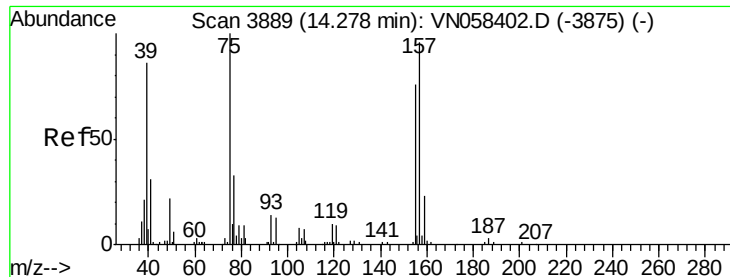
Tgt Ion: 91 Resp: 86443
Ion Ratio Lower Upper
91 100
92 69.6 25.7 77.1
134 0.0 12.2 36.6#



#90
Hexachloroethane
Concen: 15.206 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058414.D
Acq: 27 Sep 2019 17:35

Tgt Ion: 117 Resp: 45858
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.992 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

40080DL

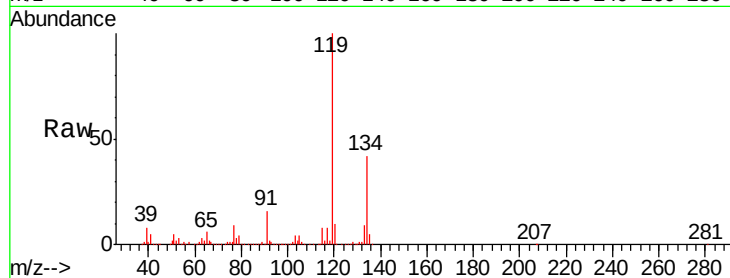
Tgt Ion: 75 Resp: 3958

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

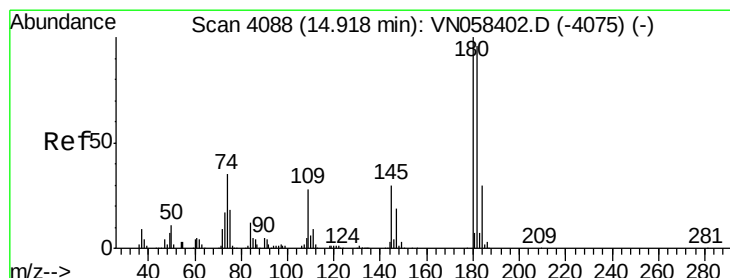
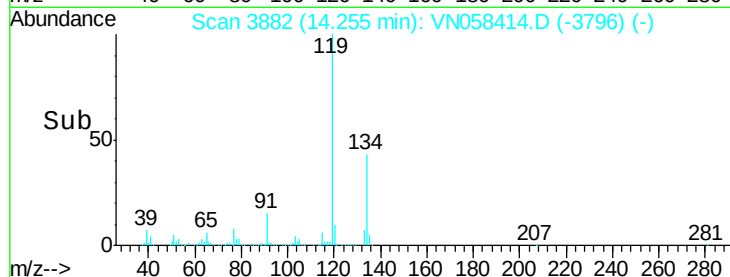
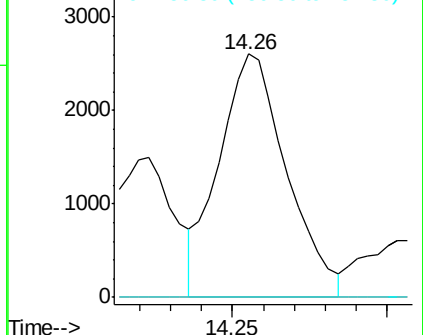
157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VN058414.D (-3796) (-)

Ion 154.80 (154.50 to 155.50): VN058414.D (-3796) (-)

Ion 156.80 (156.50 to 157.50): VN058414.D (-3796) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.296 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

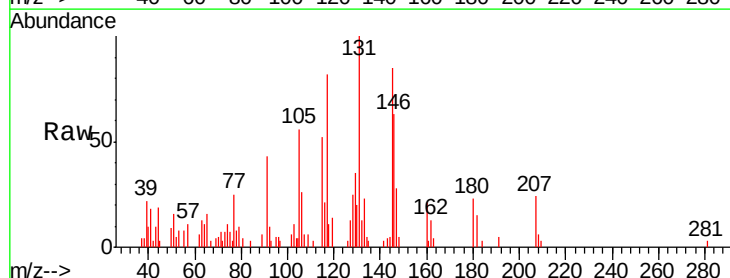
Tgt Ion: 180 Resp: 1890

Ion Ratio Lower Upper

180 100

182 91.1 47.4 142.3

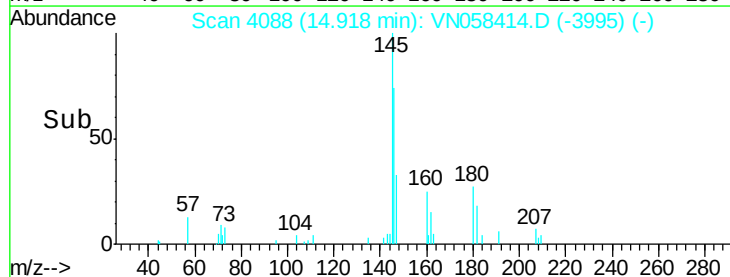
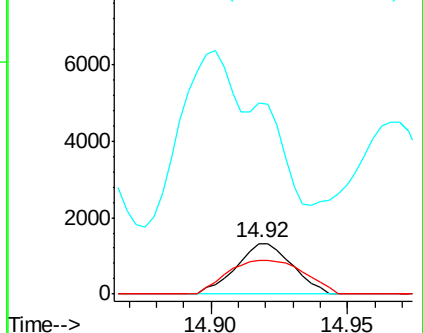
145 369.0 15.3 45.9#

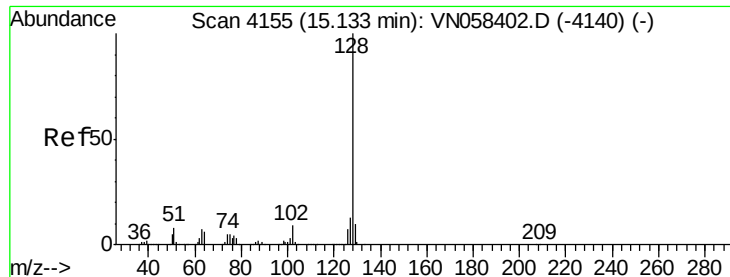


Abundance Ion 179.80 (179.50 to 180.50): VN058414.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058414.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058414.D (-3995) (-)





#95

Naphthalene

Concen: 69.838 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

40080DL

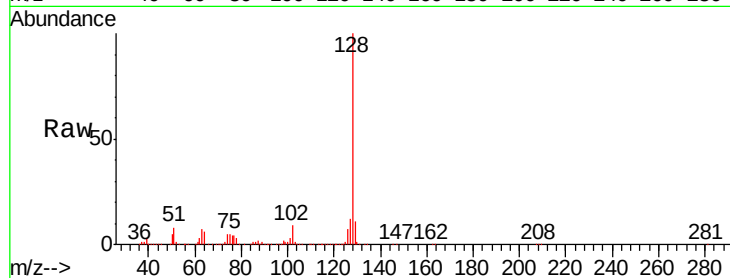
Tgt Ion:128 Resp: 1152573

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

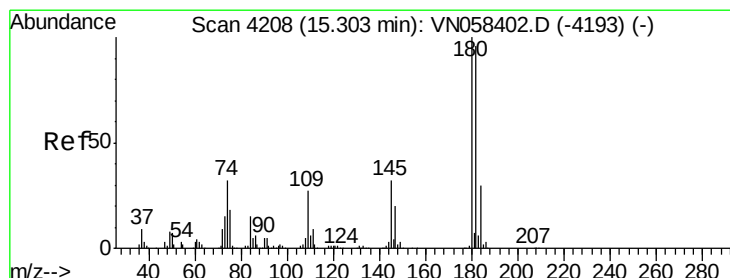
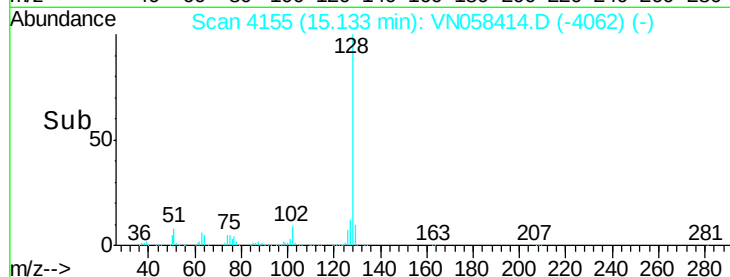
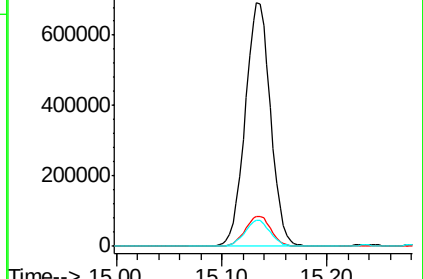
129 10.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.301 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058414.D

Acq: 27 Sep 2019 17:35

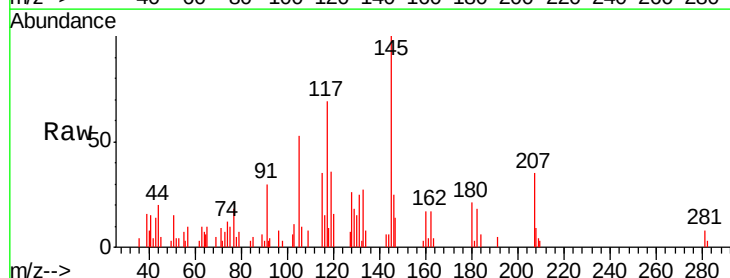
Tgt Ion:180 Resp: 1804

Ion Ratio Lower Upper

180 100

182 89.6 48.3 144.9

145 0.0 16.1 48.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

