

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057459.D
 Acq On : 23 Aug 2019 2:48
 Operator : JC/SP
 Sample : K4418-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CFVP-228L

Quant Time: Aug 23 05:18:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	429476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	757998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	631297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174941	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	352819	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	7.58	113	239867	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
50) Toluene-d8	10.09	98	954266	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	277232	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1490	0.206	ug/l #	88
8) Diethyl Ether	3.26	74	637	Below Cal		93
9) 1,1,2-Trichlorotrifluoroet	3.69	101	110	Below Cal	#	20
11) Tert butyl alcohol	4.80	59	236	0.251	ug/l #	1
13) Acrolein	3.58	56	395	0.479	ug/l #	3
16) Acetone	3.81	43	26192	7.549	ug/l	99
17) Carbon Disulfide	4.02	76	5302	0.380	ug/l #	75
18) Methyl Acetate	4.31	43	29494	3.043	ug/l	97
20) Methylene Chloride	4.53	84	128298	24.903	ug/l	95
25) 2-Butanone	6.82	43	3652	0.969	ug/l	96
29) Tetrahydrofuran	7.21	42	700	0.282	ug/l	93
30) Chloroform	7.36	83	5745	0.634	ug/l	97
31) Cyclohexane	7.65	56	13031	1.228	ug/l #	35
36) 1,1-Dichloropropene	7.65	75	43115	5.567	ug/l #	51
38) Carbon Tetrachloride	7.65	117	48043	6.244	ug/l #	15
39) Methylcyclohexane	9.07	83	2286	0.249	ug/l #	64
40) Benzene	8.02	78	39740	1.709	ug/l	96
43) Isopropyl Acetate	8.16	43	120634	8.596	ug/l	100
46) Dibromomethane	9.25	93	93	Below Cal	#	50
47) Bromodichloromethane	9.39	83	1775	0.206	ug/l #	85
48) Methyl methacrylate	9.17	41	5680	0.851	ug/l #	17
49) 1,4-Dioxane	9.27	88	228	2.642	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8332	1.065	ug/l	92
52) Toluene	10.15	92	19515	1.457	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	45838	4.550	ug/l #	64
57) 1,3-Dichloropropane	10.77	76	7493	0.795	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.69	63	154	17.125	ug/l #	52
59) 2-Hexanone	10.76	43	115377	21.508	ug/l #	56
67) Ethyl Benzene	11.51	91	13804	0.559	ug/l #	88
68) m/p-Xylenes	11.62	106	24974	2.973	ug/l	96
69) o-Xylene	11.95	106	21414	2.573	ug/l	98
71) Bromoform	12.39	173	1025	0.310	ug/l #	29
73) Isopropylbenzene	12.25	105	5059	Below Cal		92
74) N-amyl acetate	12.04	43	4592	Below Cal	#	50

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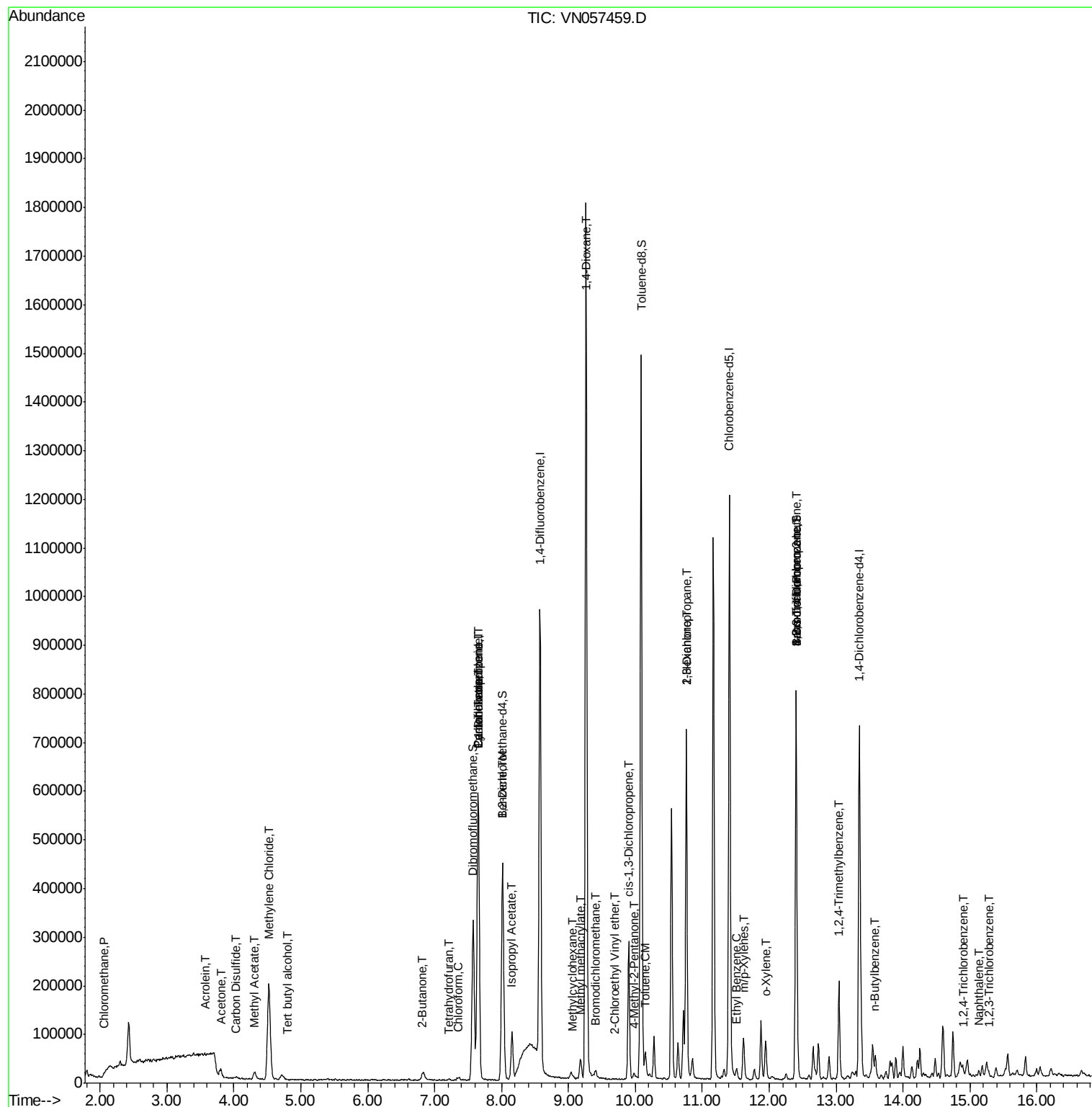
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	12.52	83	97	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	161311	40.985 ug/l	#	100
77) Bromobenzene	12.47	156	32	Below Cal	#	1
78) n-propylbenzene	12.60	91	6801	Below Cal		93
79) 2-Chlorotoluene	12.79	91	415	Below Cal		98
80) 1,3,5-Trimethylbenzene	12.73	105	36200	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	161311	105.642 ug/l	#	8
82) 4-Chlorotoluene	12.73	91	4428	Below Cal	#	45
83) tert-Butylbenzene	13.23	119	5862	Below Cal		70
84) 1,2,4-Trimethylbenzene	13.04	105	107667	7.916 ug/l		97
85) sec-Butylbenzene	13.17	105	4224	Below Cal		84
89) n-Butylbenzene	13.58	91	2368	0.205 ug/l	#	1
90) Hexachloroethane	13.89	117	2605	Below Cal	#	17
92) 1,2-Dibromo-3-Chloropropan	14.26	75	313	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.91	180	102	5.414 ug/l	#	1
95) Naphthalene	15.13	128	9495	5.585 ug/l		96
96) 1,2,3-Trichlorobenzene	15.29	180	297	5.237 ug/l	#	1

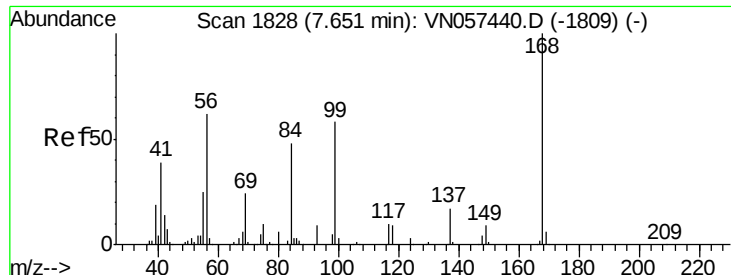
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

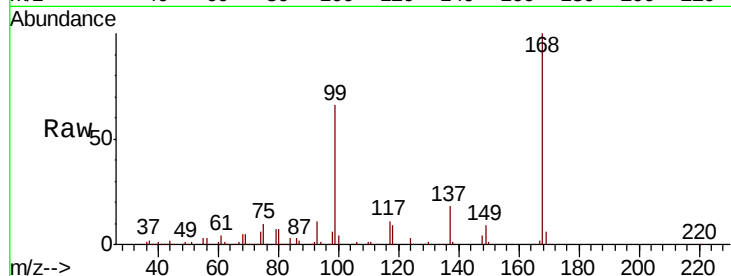
CFVP-228L

Tgt Ion:168 Resp: 429476

Ion Ratio Lower Upper

168 100

99 65.8 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

200000

150000

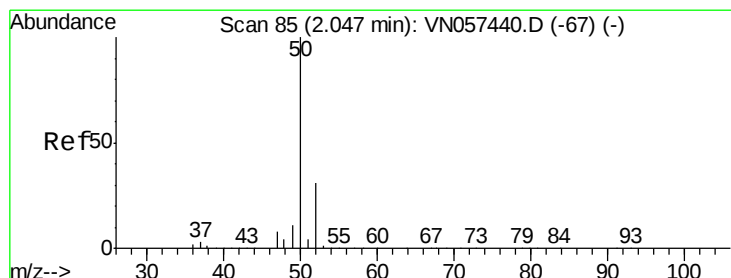
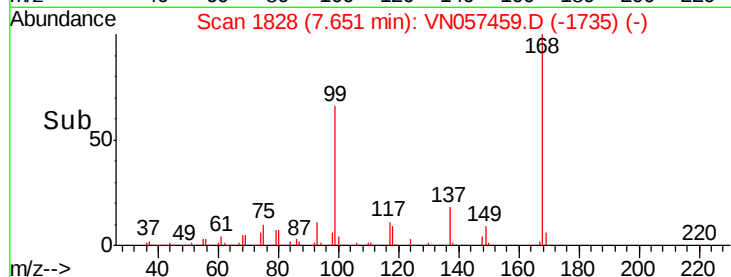
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057459.D

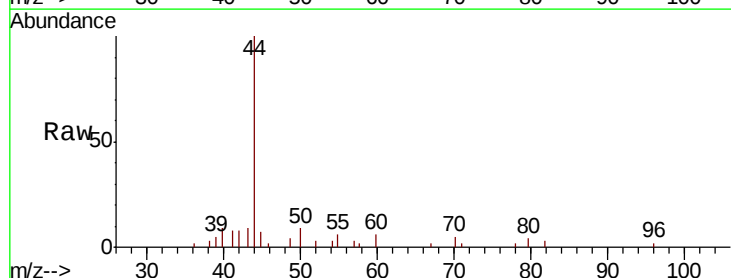
Acq: 23 Aug 2019 2:48

Tgt Ion: 50 Resp: 1490

Ion Ratio Lower Upper

50 100

52 38.2 25.1 37.7#



Abundance Ion 49.90 (49.60 to 50.60): VN057440.D (-67) (-)

Ion 51.90 (51.60 to 52.60): VN057440.D (-67) (-)

2.05

800

600

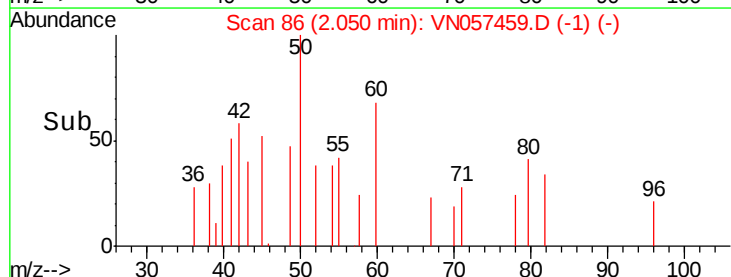
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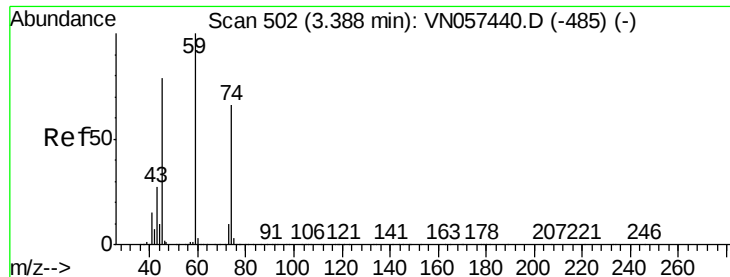
200

0

2.00 2.05 2.10

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.26 min Scan# 463

Delta R.T. -0.12 min

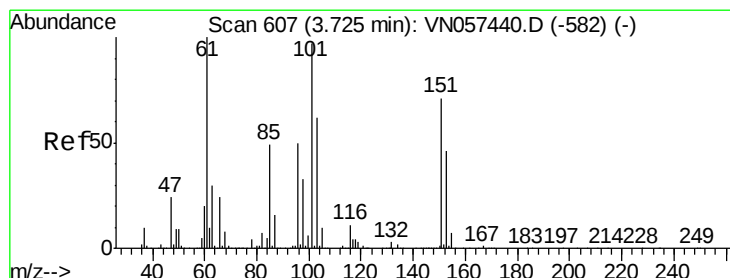
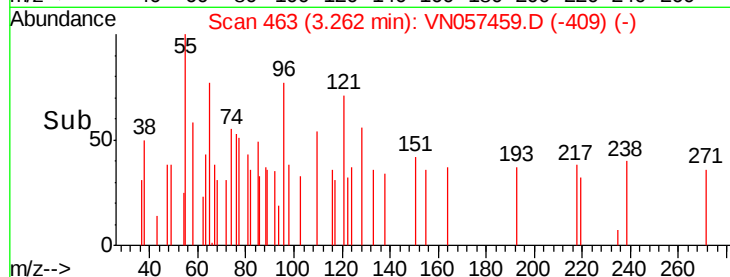
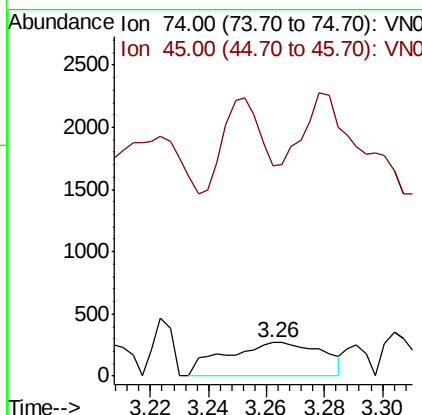
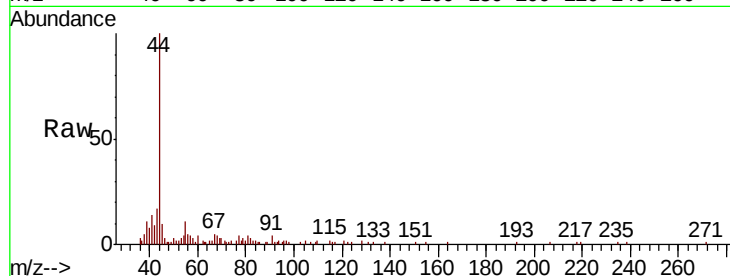
Lab File: VN057459.D

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Instrument :
MSVOA_N
ClientSampleId :
CFVP-228L

Tgt Ion: 74 Resp: 637

Ion	Ratio	Lower	Upper
74	100		
45	108.5	57.9	173.6



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.69 min Scan# 597

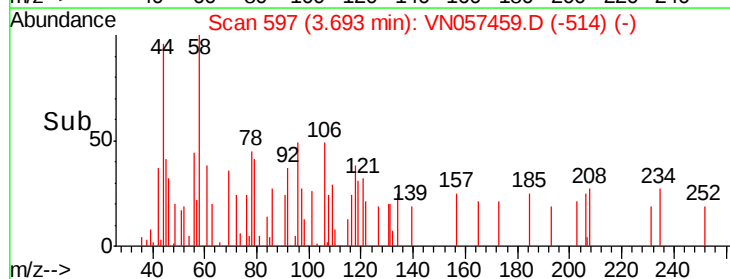
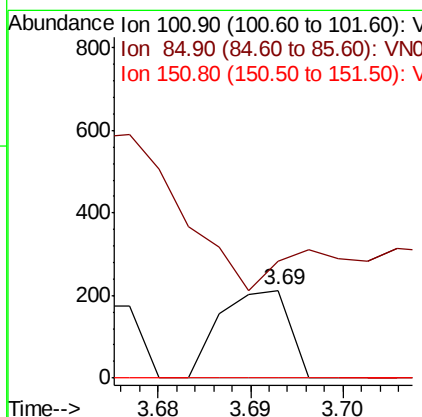
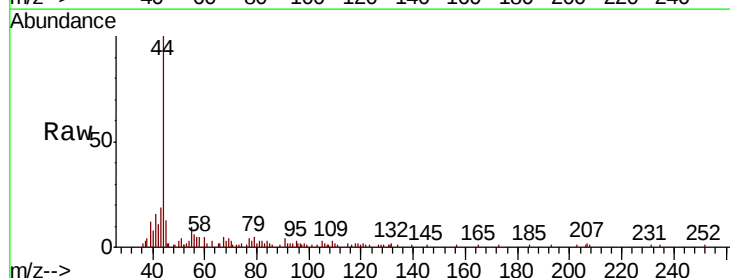
Delta R.T. -0.03 min

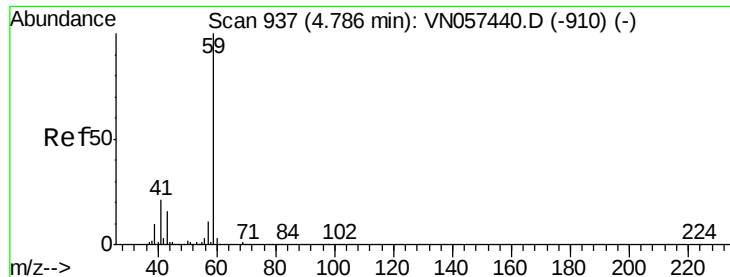
Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Tgt Ion: 101 Resp: 110

Ion	Ratio	Lower	Upper
101	100		
85	0.0	40.0	60.0#
151	0.0	57.0	85.6#





#11

Tert butyl alcohol

Concen: 0.251 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

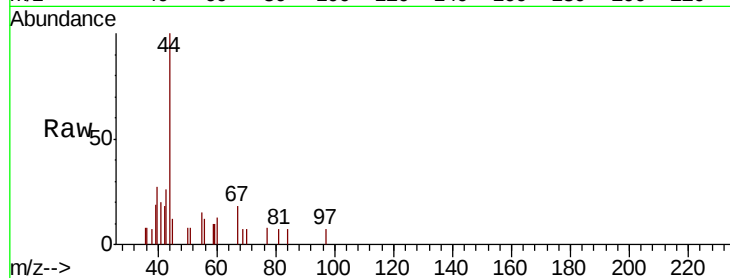
CFVP-228L

Tgt Ion: 59 Resp: 236

Ion Ratio Lower Upper

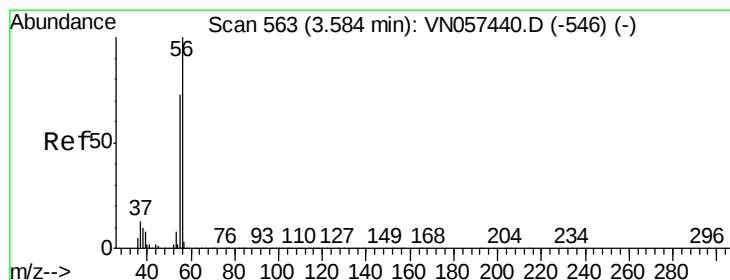
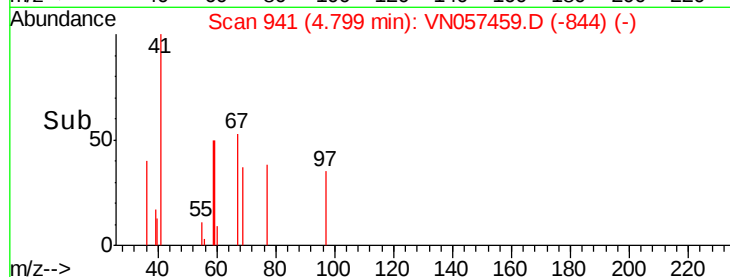
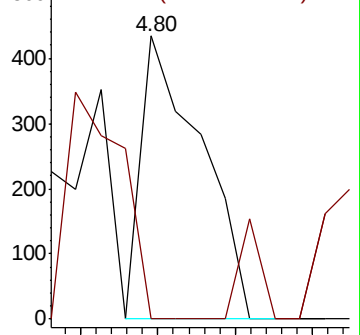
59 100

57 72.9 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 0.479 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.01 min

Lab File: VN057459.D

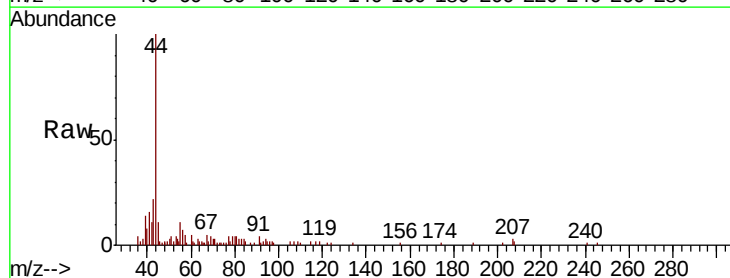
Acq: 23 Aug 2019 2:48

Tgt Ion: 56 Resp: 395

Ion Ratio Lower Upper

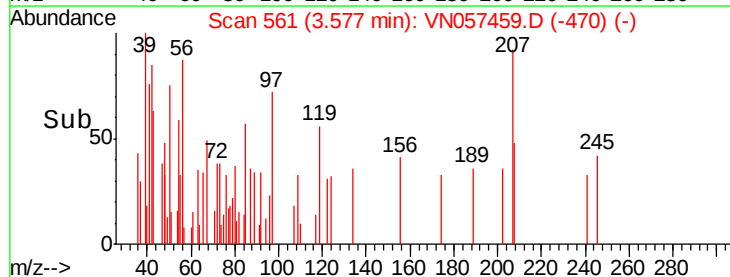
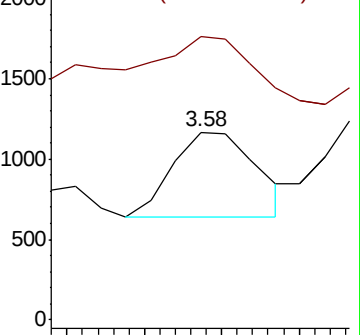
56 100

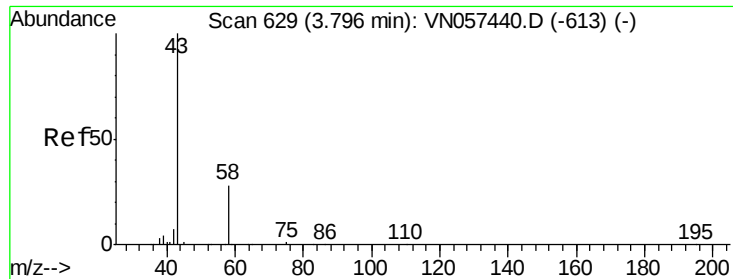
55 155.2 59.0 88.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 7.549 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

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ClientSampleId :

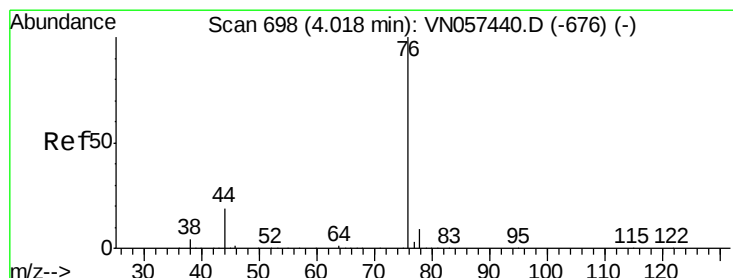
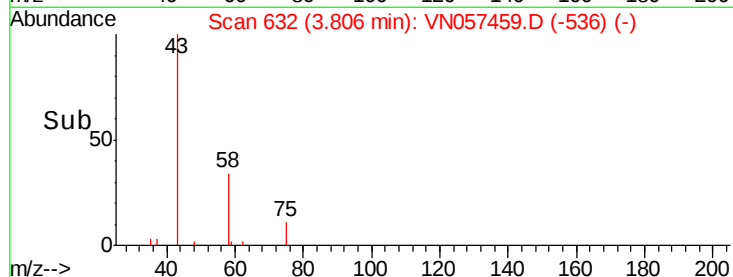
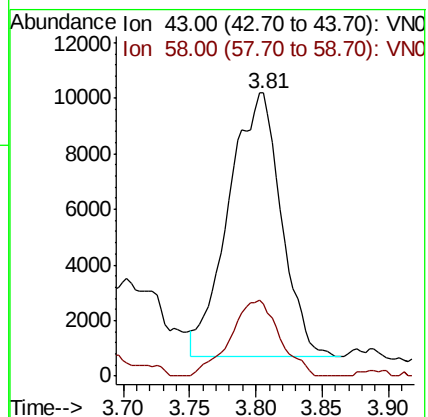
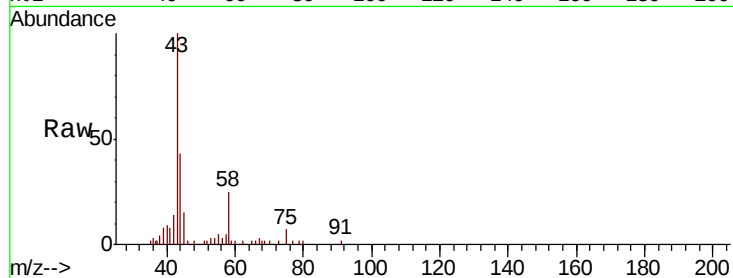
CFVP-228L

Tgt Ion: 43 Resp: 26192

Ion Ratio Lower Upper

43 100

58 27.2 22.1 33.1



#17

Carbon Disulfide

Concen: 0.380 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057459.D

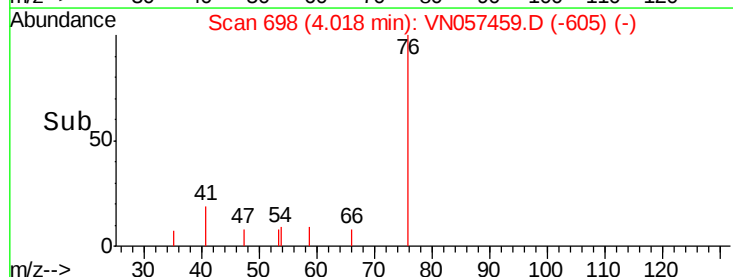
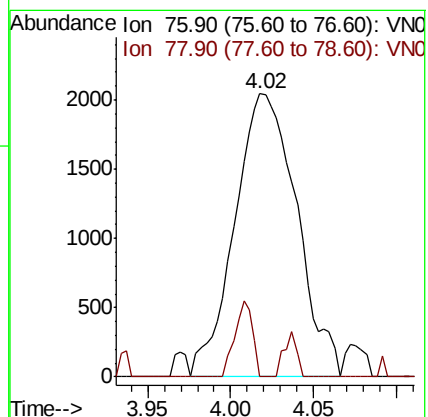
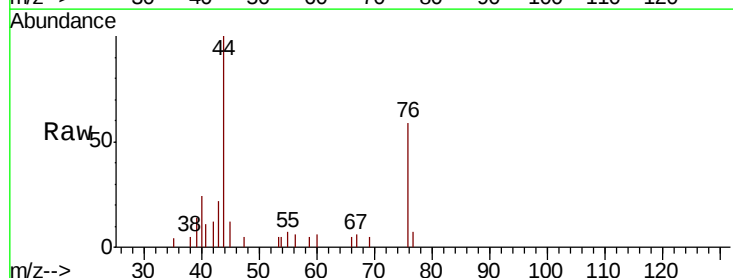
Acq: 23 Aug 2019 2:48

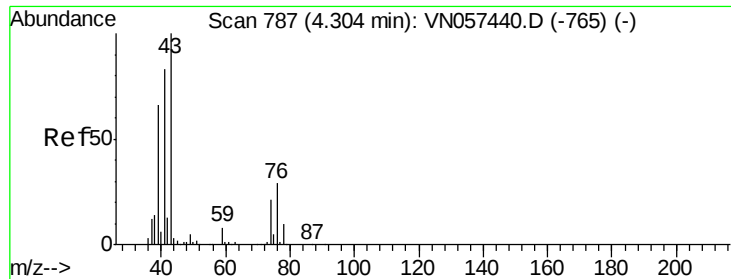
Tgt Ion: 76 Resp: 5302

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

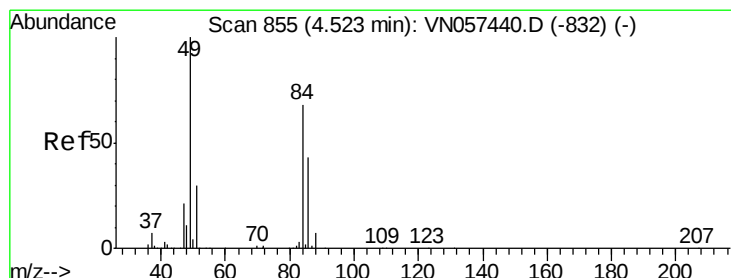
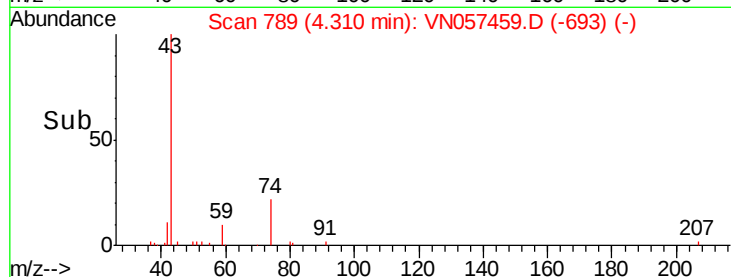
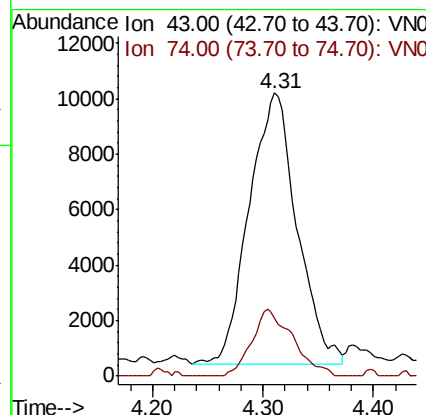
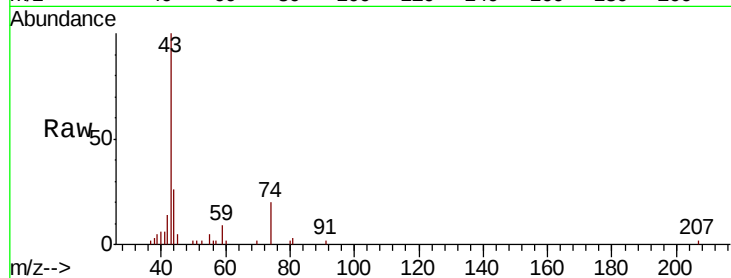




#18
Methyl Acetate
Concen: 3.043 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

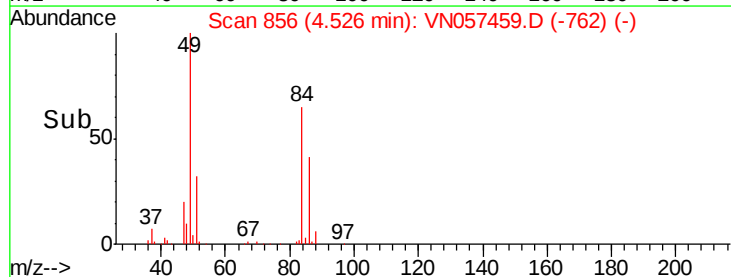
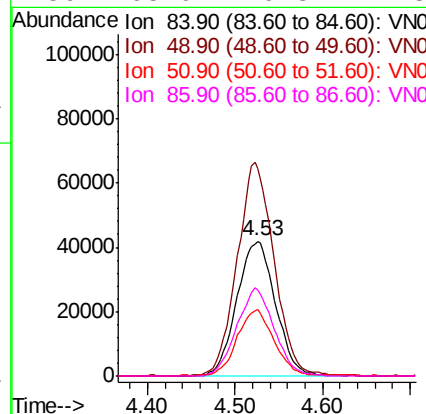
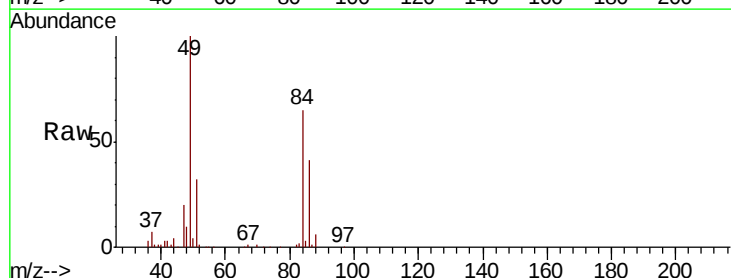
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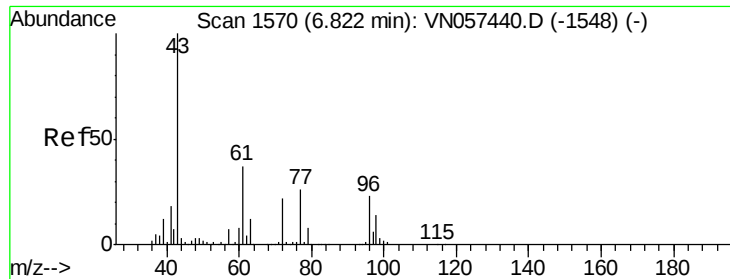
Tgt Ion: 43 Resp: 29494
Ion Ratio Lower Upper
43 100
74 21.1 15.9 23.9



#20
Methylene Chloride
Concen: 24.903 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

Tgt Ion: 84 Resp: 128298
Ion Ratio Lower Upper
84 100
49 153.5 117.0 175.4
51 48.7 35.5 53.3
86 63.9 49.8 74.8

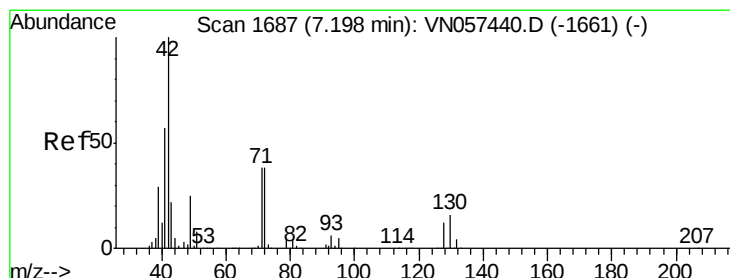
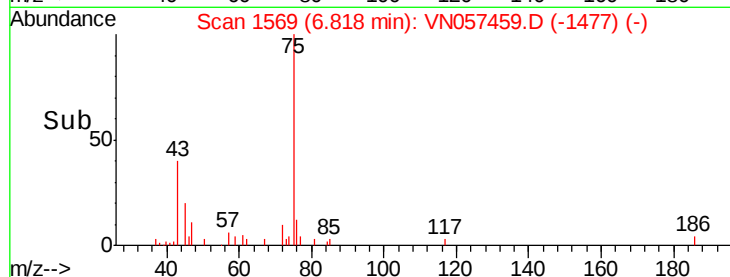
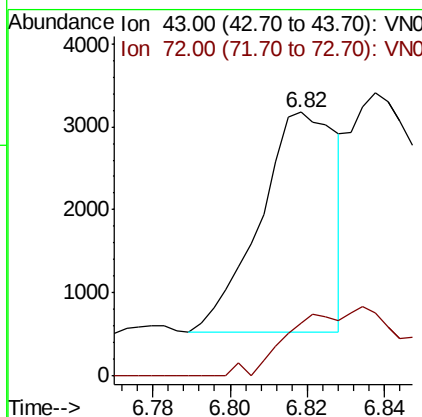
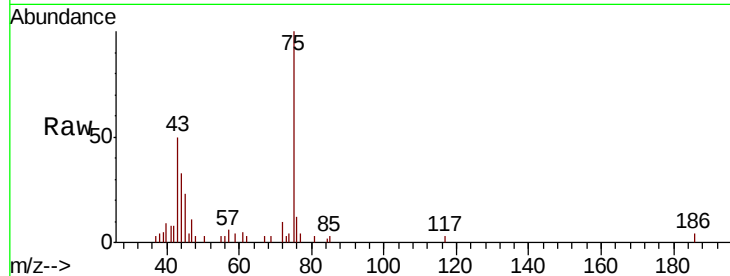




#25
 2-Butanone
 Concen: 0.969 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN057459.D
 Acq: 23 Aug 2019 2:48

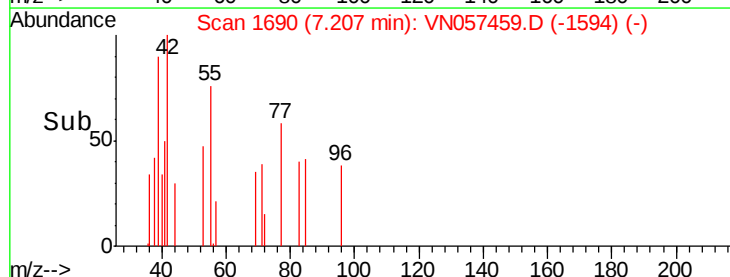
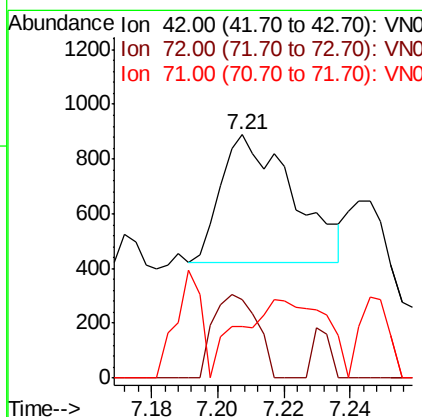
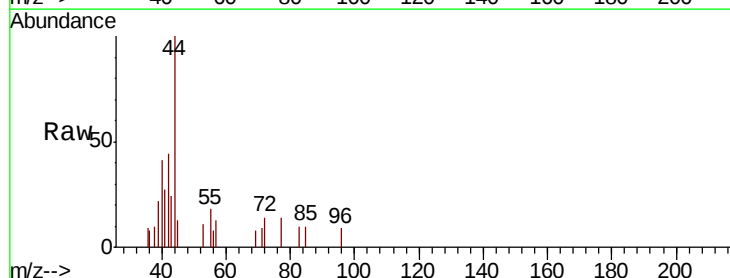
Instrument :
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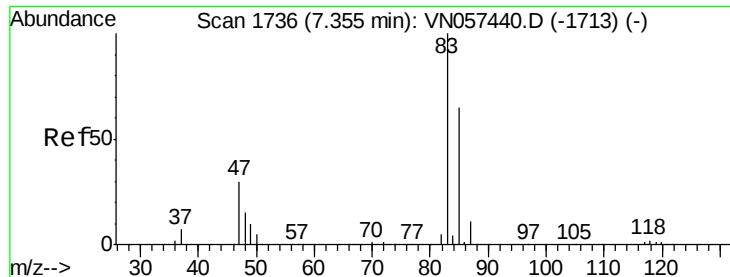
Tgt Ion: 43 Resp: 3652
 Ion Ratio Lower Upper
 43 100
 72 24.1 17.8 26.8



#29
 Tetrahydrofuran
 Concen: 0.282 ug/l
 RT: 7.21 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VN057459.D
 Acq: 23 Aug 2019 2:48

Tgt Ion: 42 Resp: 700
 Ion Ratio Lower Upper
 42 100
 72 39.7 30.1 45.1
 71 29.6 28.8 43.2





#30

Chloroform

Concen: 0.634 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

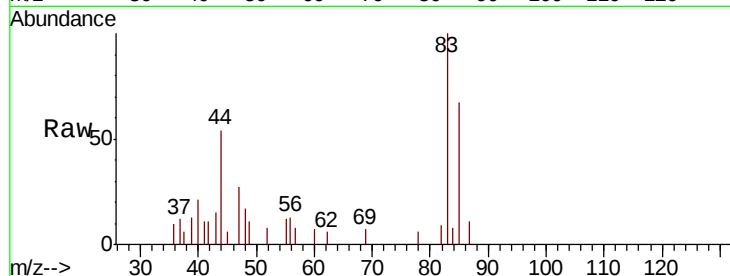
CFVP-228L

Tgt Ion: 83 Resp: 5745

Ion Ratio Lower Upper

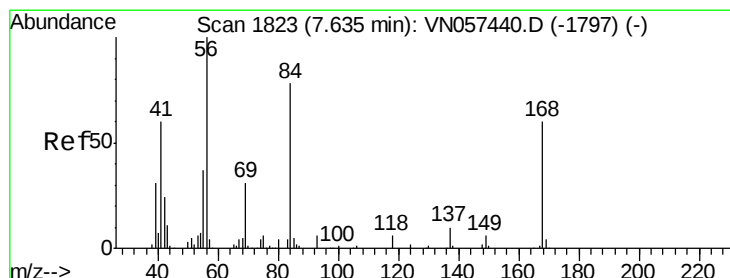
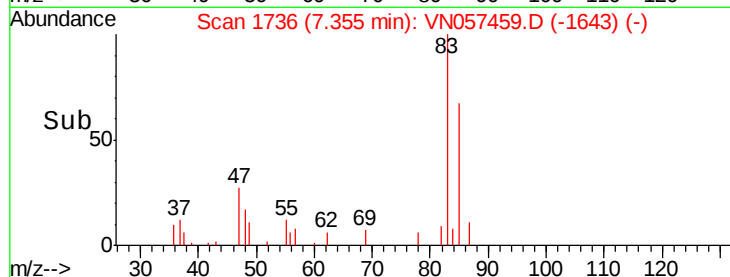
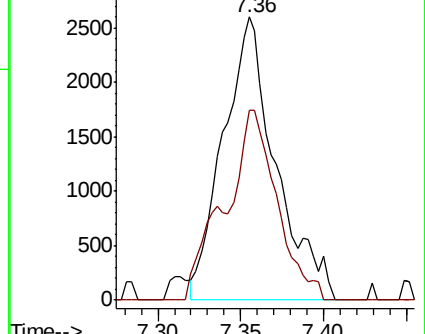
83 100

85 67.0 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO



#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

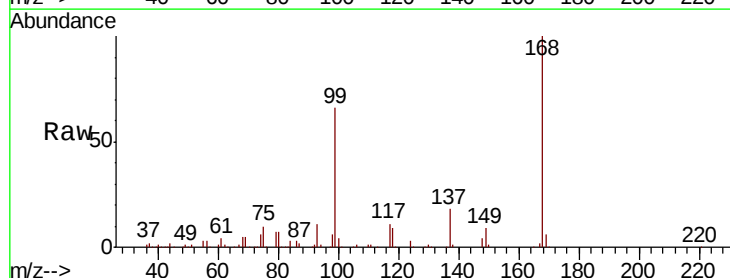
Tgt Ion: 56 Resp: 13031

Ion Ratio Lower Upper

56 100

69 153.9 25.0 37.6#

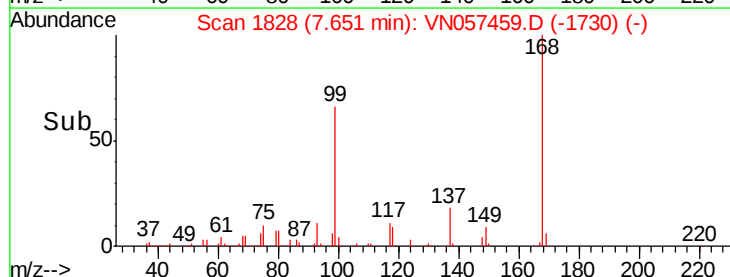
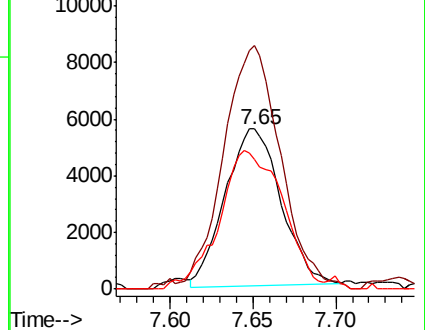
84 80.1 62.5 93.7

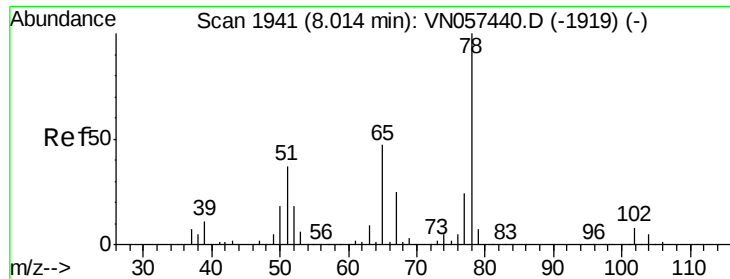


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

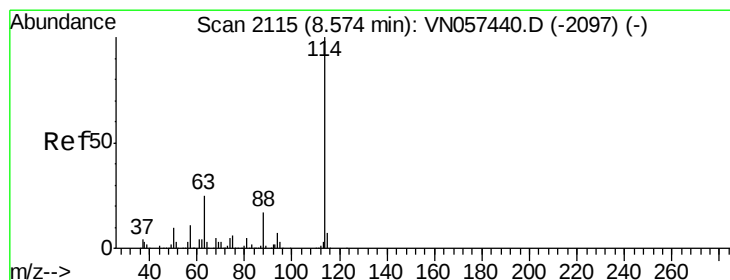
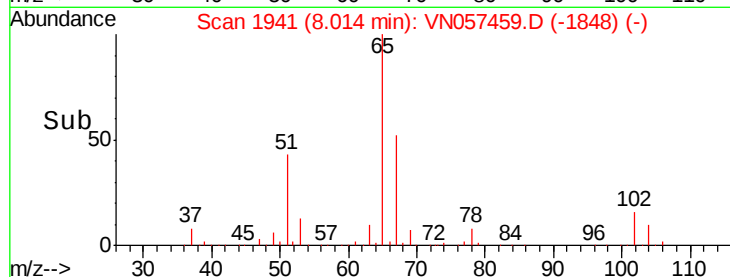
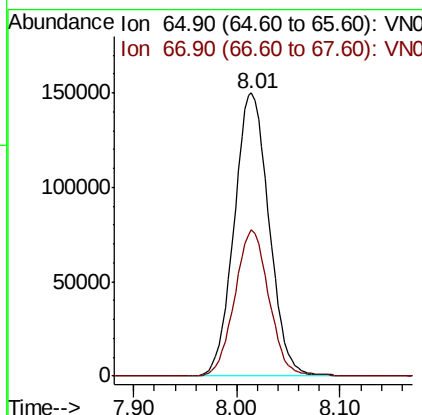
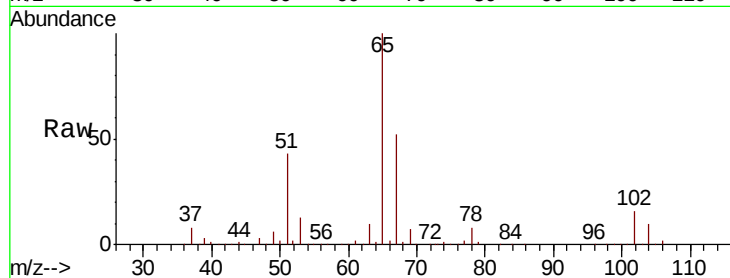




#33
 1,2-Dichloroethane-d4
 Concen: 46.700 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057459.D
 Acq: 23 Aug 2019 2:48

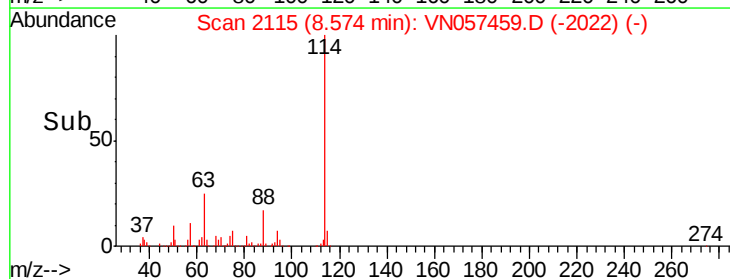
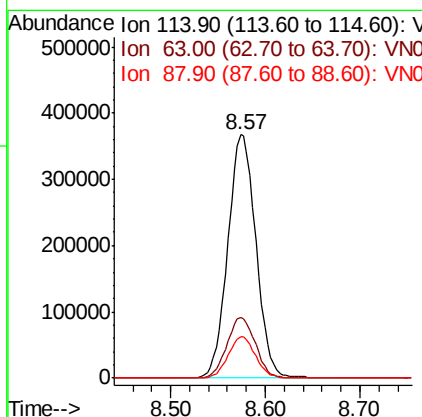
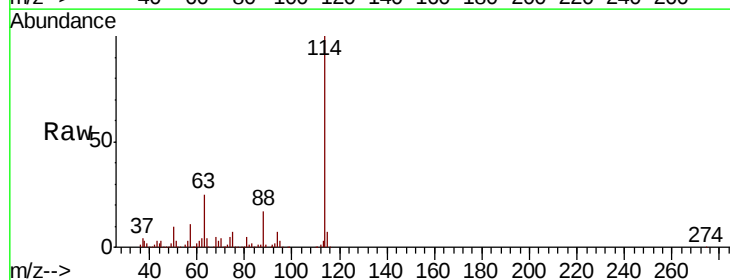
Instrument :
 MSVOA_N
 ClientSampleId :
 CFVP-228L

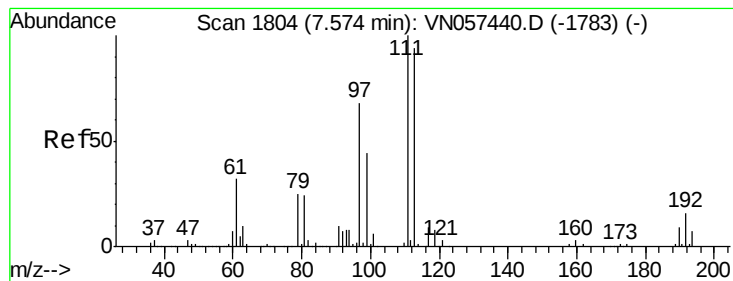
Tgt Ion: 65 Resp: 352819
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057459.D
 Acq: 23 Aug 2019 2:48

Tgt Ion: 114 Resp: 757998
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 16.9 0.0 34.6





#35

Dibromofluoromethane

Concen: 46.850 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

CFVP-228L

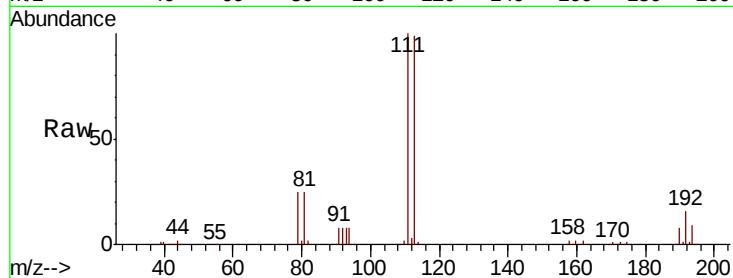
Tgt Ion:113 Resp: 239867

Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

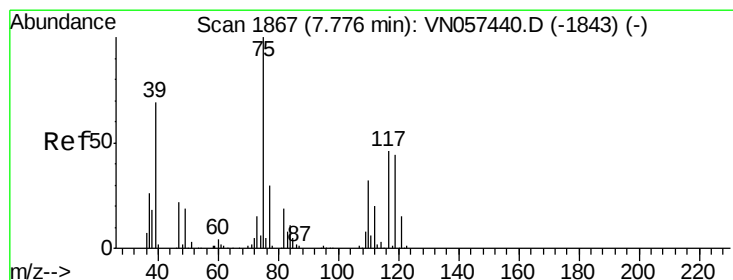
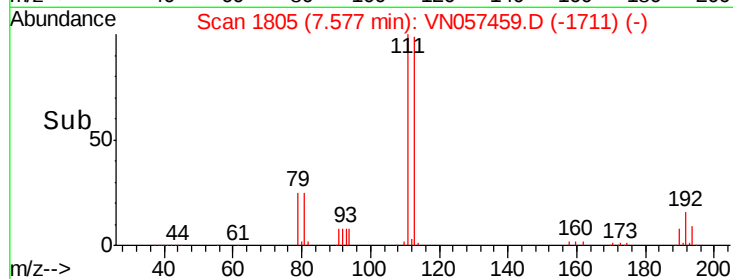
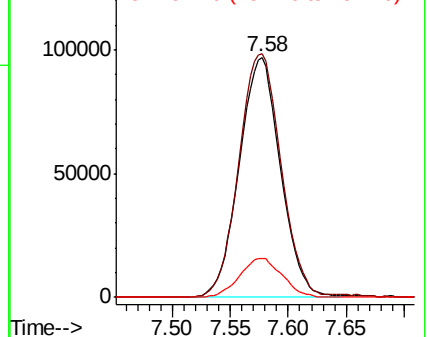
192 16.8 13.5 20.3



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



#36

1,1-Dichloropropene

Concen: 5.567 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

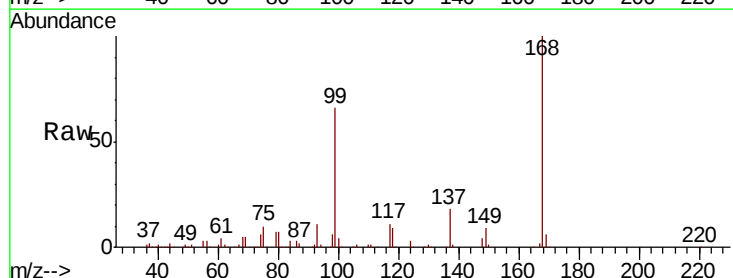
Tgt Ion: 75 Resp: 43115

Ion Ratio Lower Upper

75 100

110 8.7 16.1 48.3#

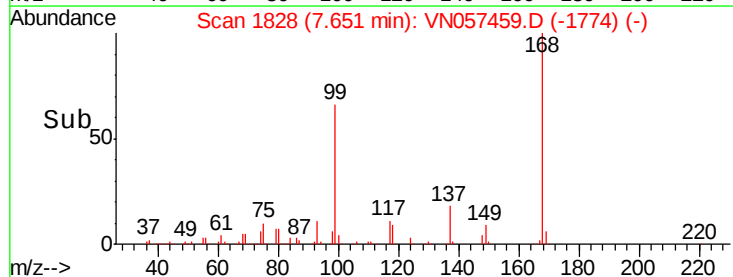
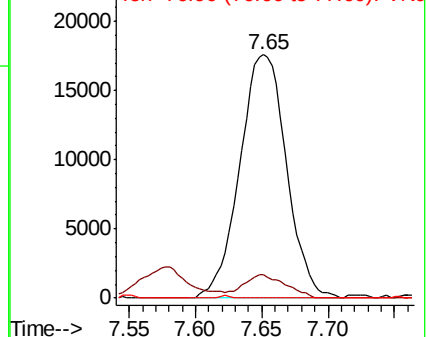
77 0.0 24.8 37.2#

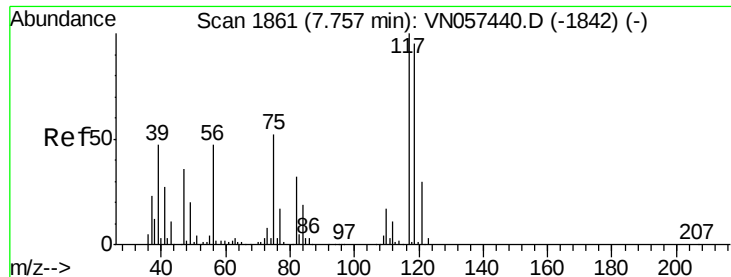


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

CFVP-228L

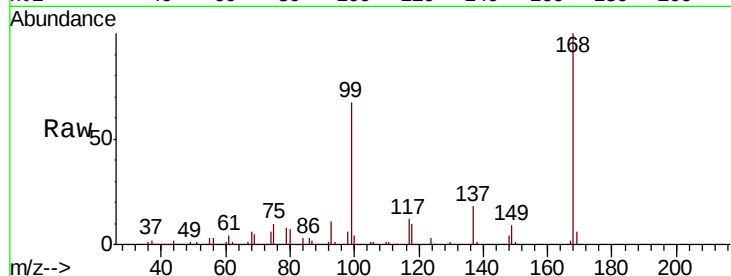
Tgt Ion:117 Resp: 48043

Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.4#

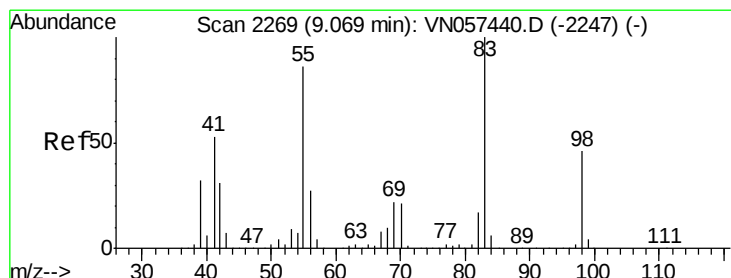
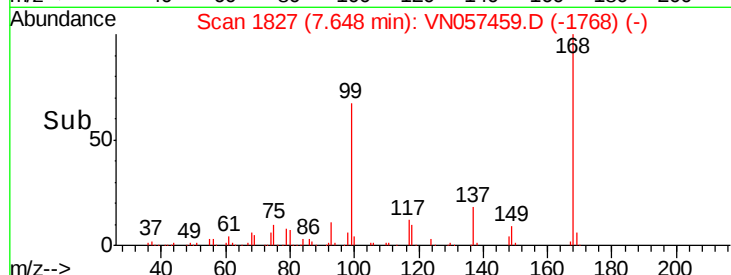
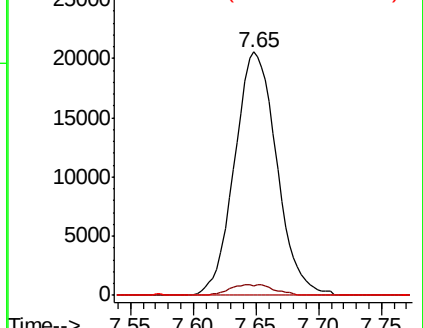
121 0.0 23.8 35.6#



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: 0.249 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

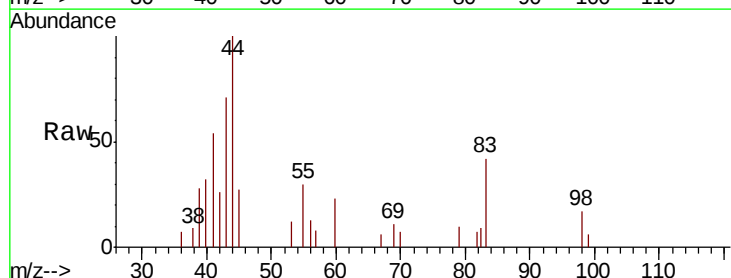
Tgt Ion: 83 Resp: 2286

Ion Ratio Lower Upper

83 100

55 40.0 68.6 102.8#

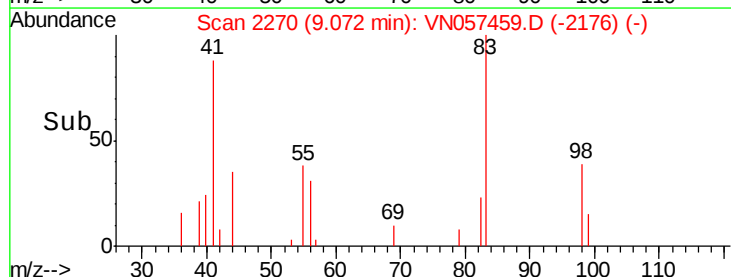
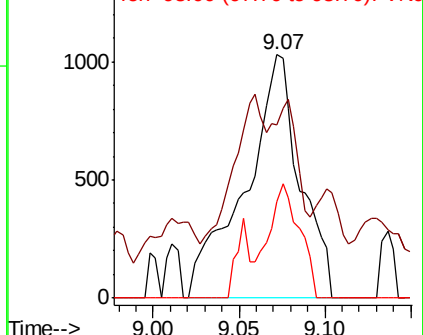
98 39.5 36.6 54.8

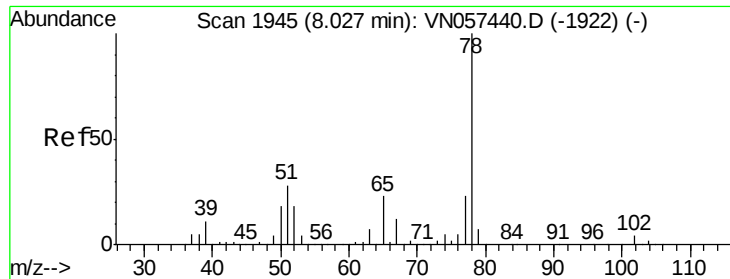


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 1.709 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

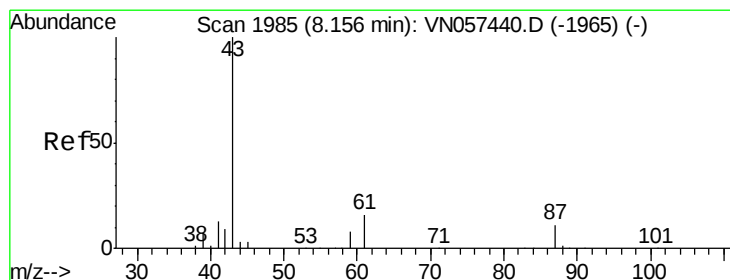
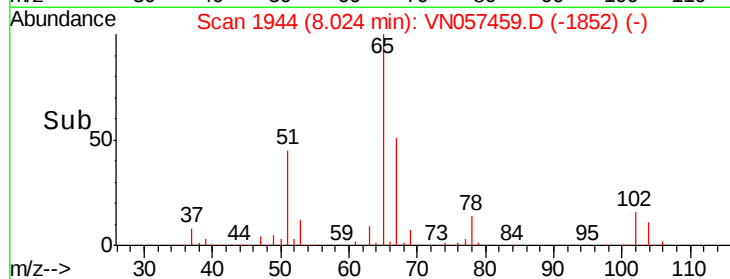
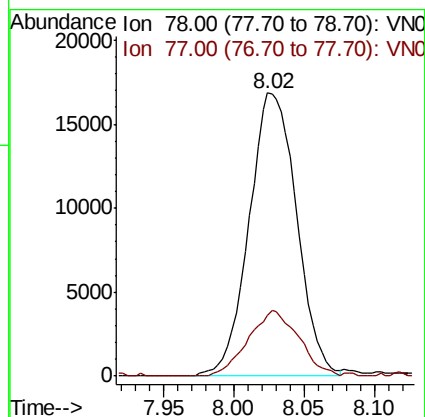
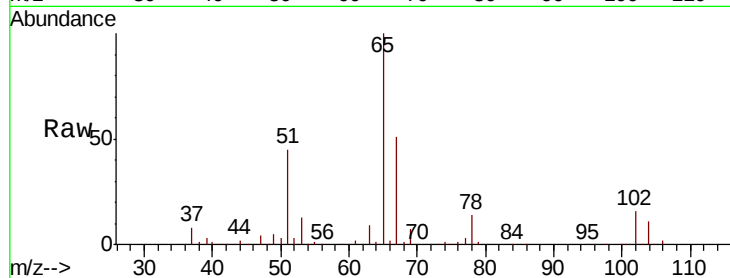
CFVP-228L

Tgt Ion: 78 Resp: 39740

Ion Ratio Lower Upper

78 100

77 21.3 18.5 27.7



#43

Isopropyl Acetate

Concen: 8.596 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

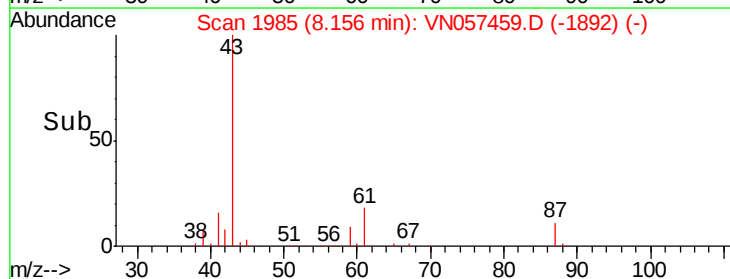
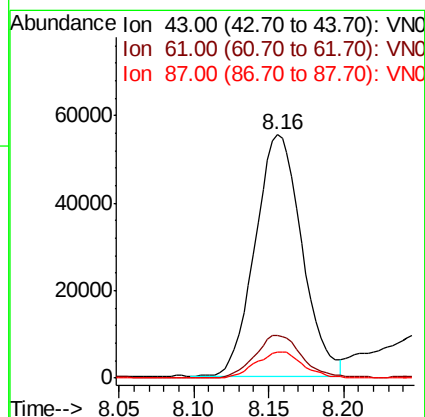
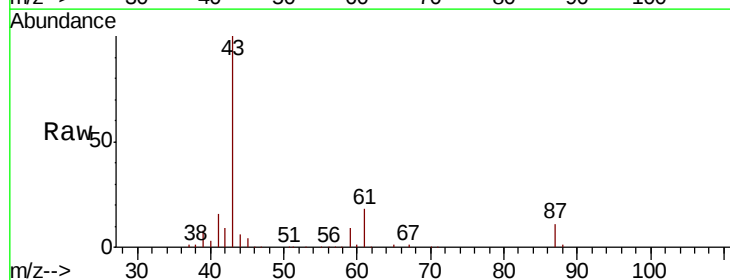
Tgt Ion: 43 Resp: 120634

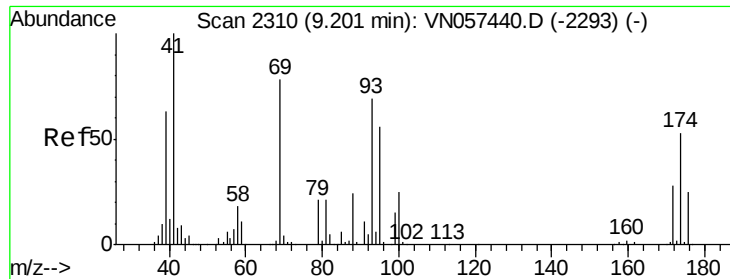
Ion Ratio Lower Upper

43 100

61 17.9 14.5 21.7

87 10.9 8.6 12.8





#46

Dibromomethane

Concen: Below Cal

RT: 9.25 min Scan# 2324

Delta R.T. 0.05 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

CFVP-228L

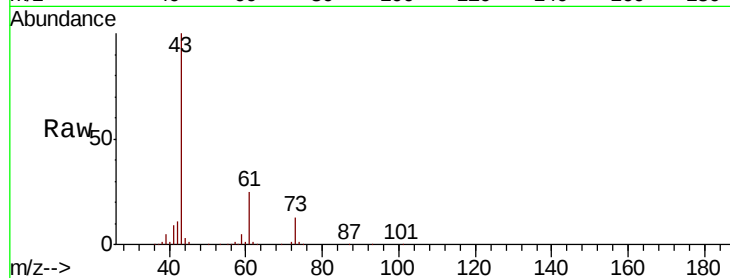
Tgt Ion: 93 Resp: 93

Ion Ratio Lower Upper

93 100

95 71.0 64.7 97.1

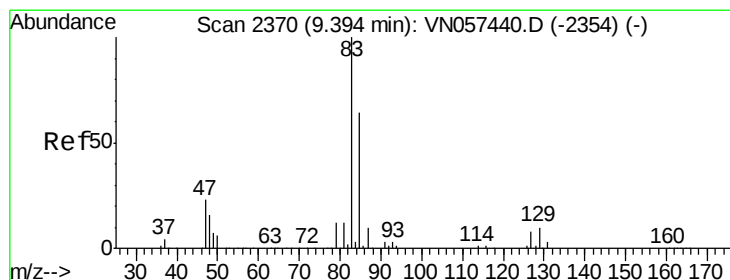
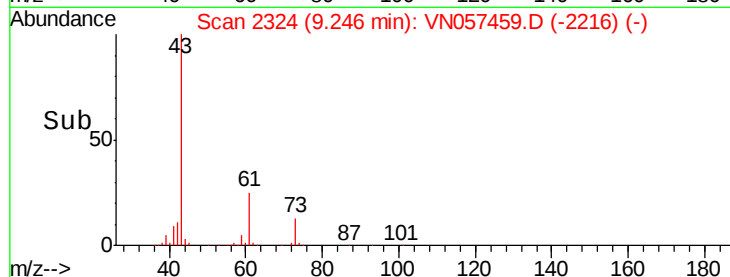
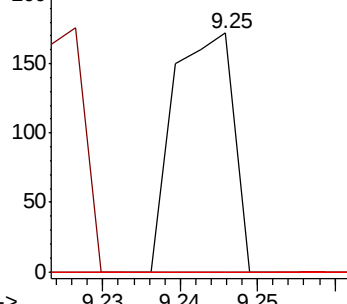
174 0.0 62.3 93.5#



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.206 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

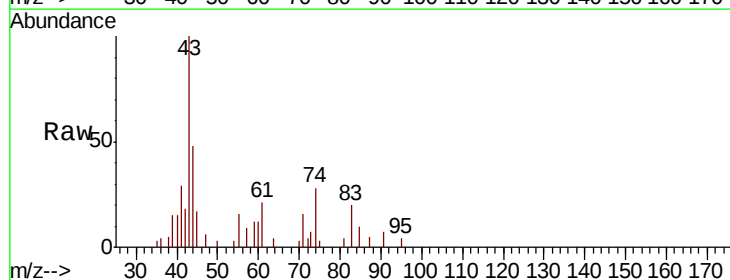
Tgt Ion: 83 Resp: 1775

Ion Ratio Lower Upper

83 100

85 53.2 51.2 76.8

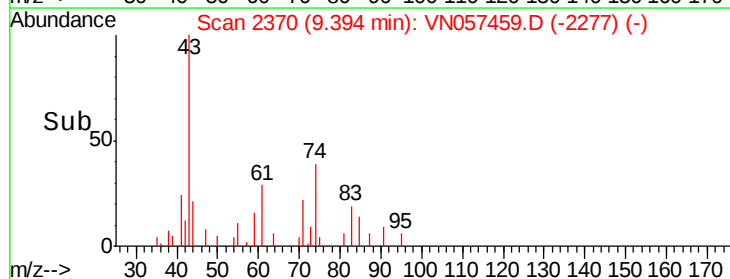
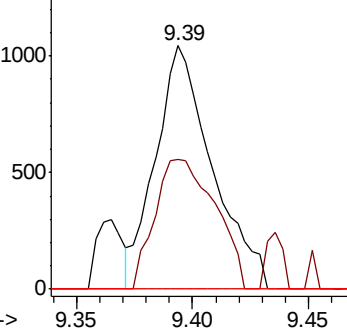
127 0.0 6.6 10.0#

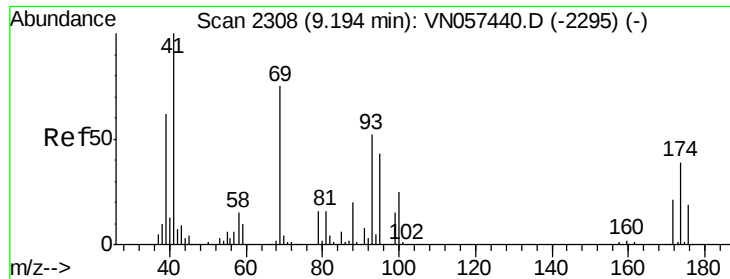


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

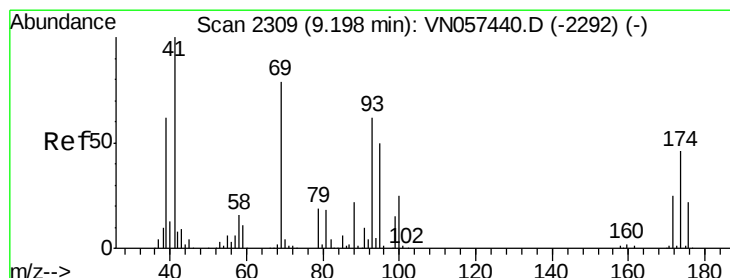
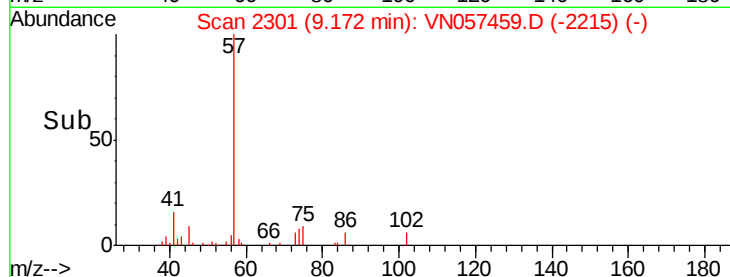
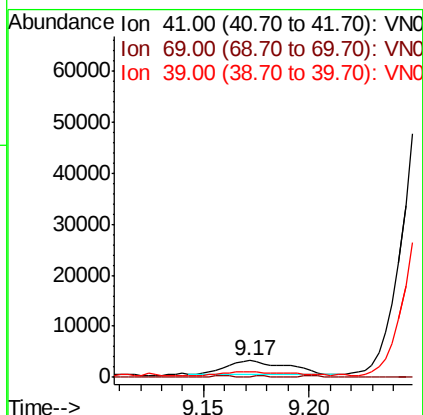
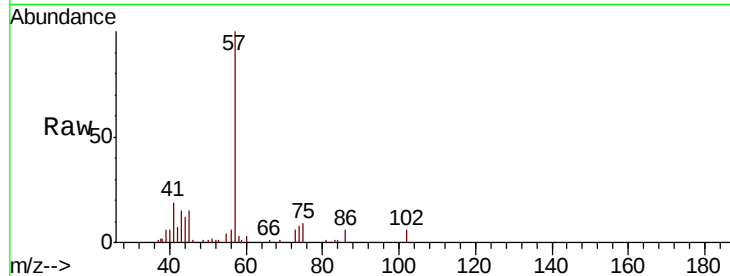




#48
Methyl methacrylate
Concen: 0.851 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

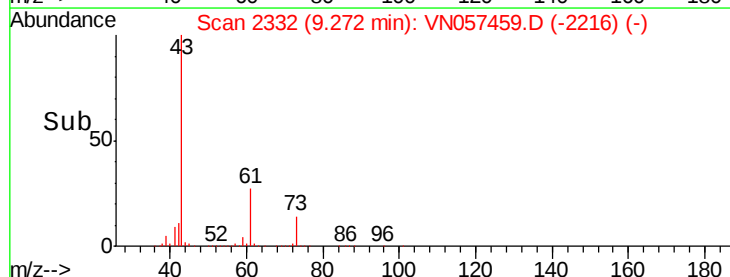
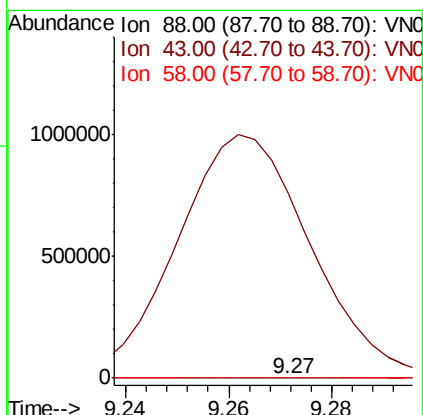
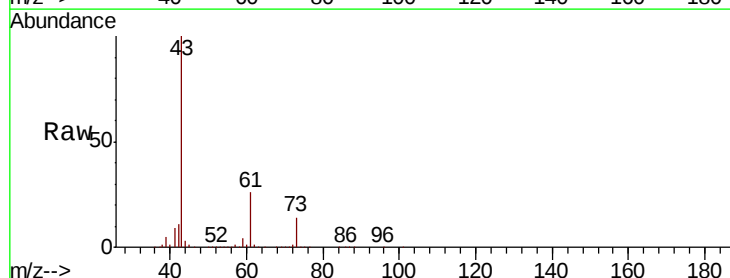
Instrument :
MSVOA_N
ClientSampleId :
CFVP-228L

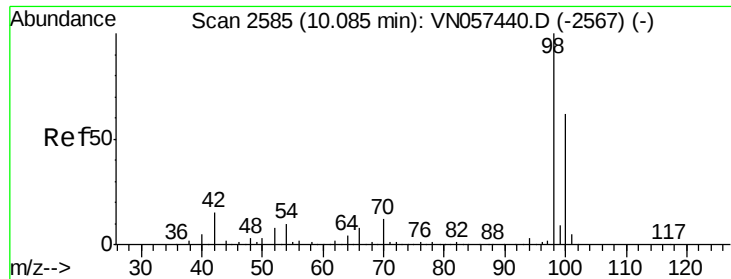
Tgt Ion: 41 Resp: 5680
Ion Ratio Lower Upper
41 100
69 2.9 59.3 88.9#
39 0.0 50.6 75.8#



#49
1,4-Dioxane
Concen: 2.642 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

Tgt Ion: 88 Resp: 228
Ion Ratio Lower Upper
88 100
43 803199.1 31.0 46.6#
58 3018.9 64.5 96.7#





#50

Toluene-d8

Concen: 49.292 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

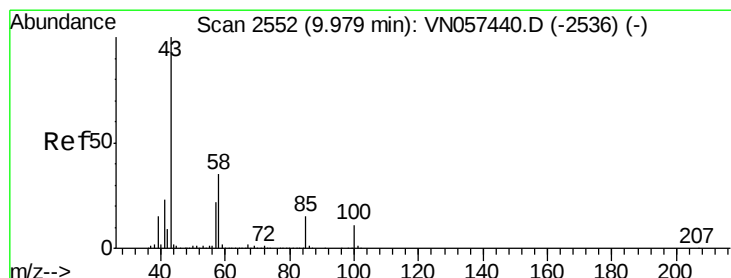
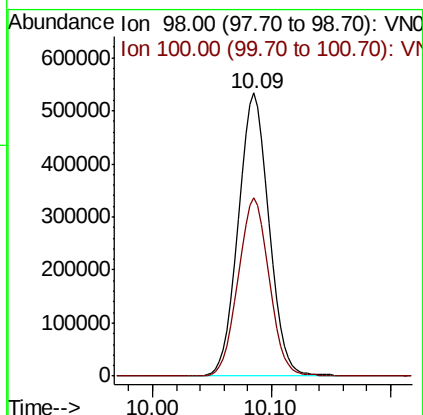
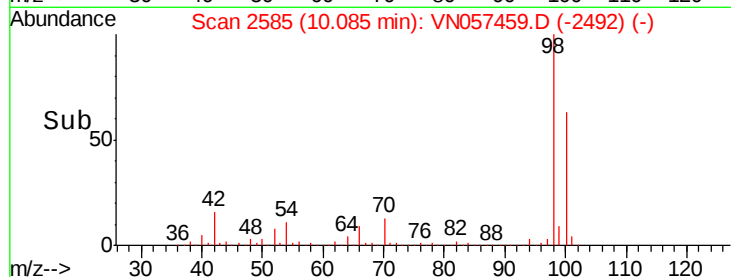
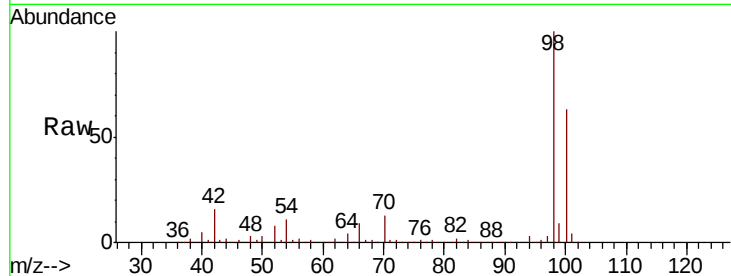
CFVP-228L

Tgt Ion: 98 Resp: 954266

Ion Ratio Lower Upper

98 100

100 63.6 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 1.065 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057459.D

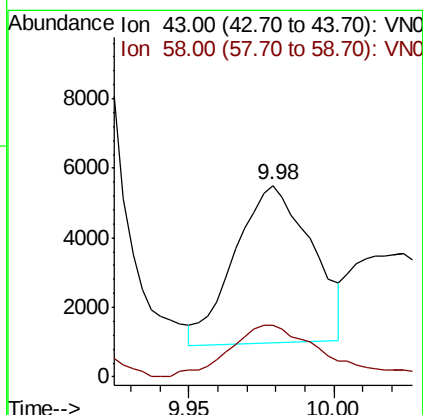
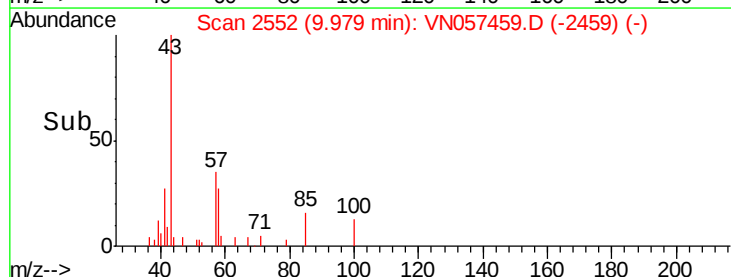
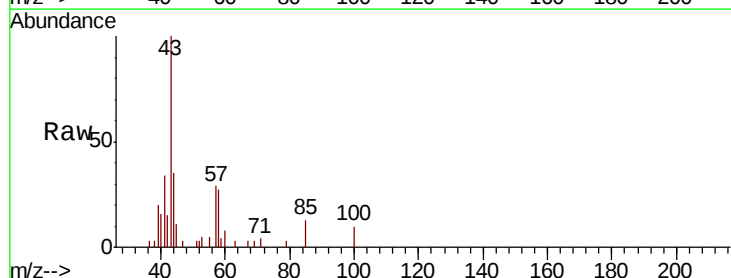
Acq: 23 Aug 2019 2:48

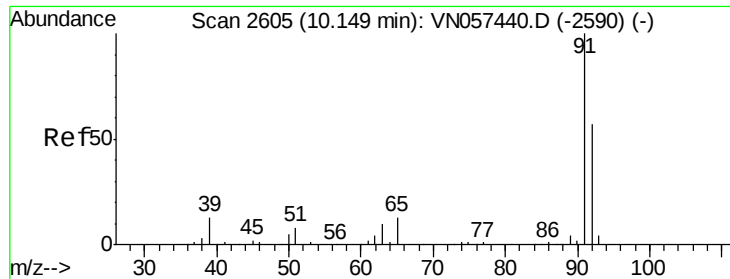
Tgt Ion: 43 Resp: 8332

Ion Ratio Lower Upper

43 100

58 39.5 27.9 41.9





#52

Toluene

Concen: 1.457 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

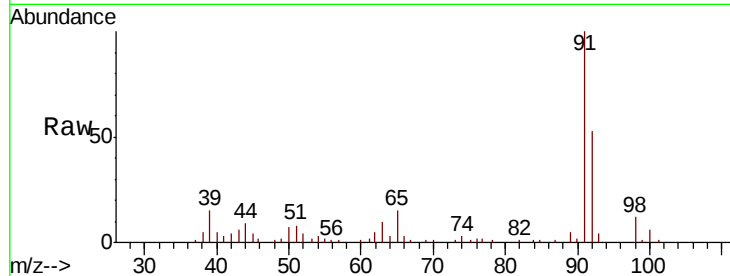
CFVP-228L

Tgt Ion: 92 Resp: 19515

Ion Ratio Lower Upper

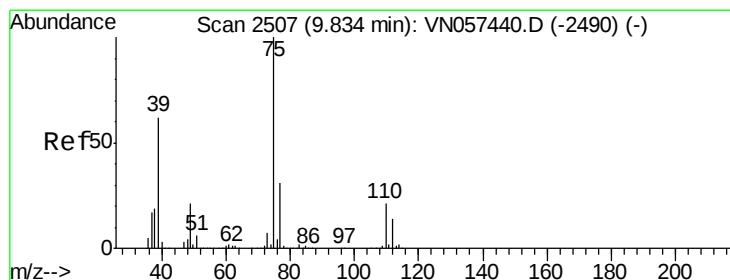
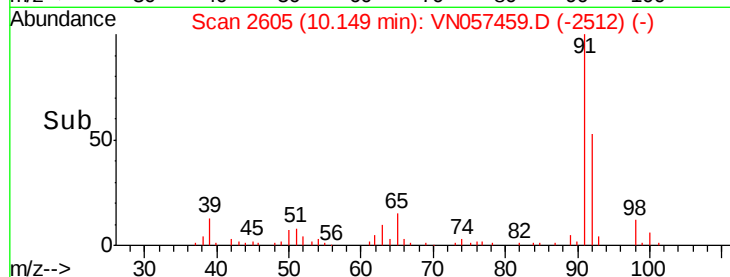
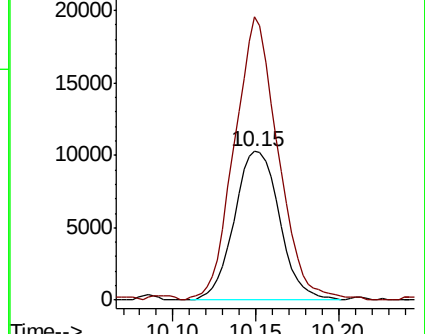
92 100

91 183.5 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.550 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

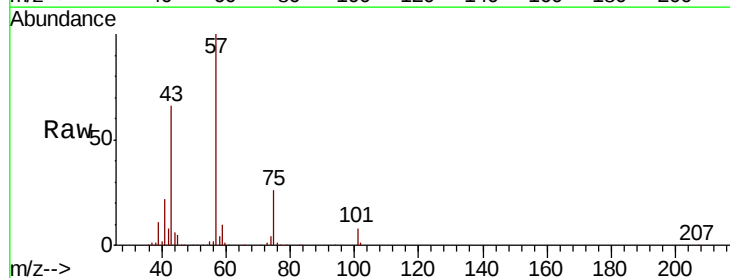
Tgt Ion: 75 Resp: 45838

Ion Ratio Lower Upper

75 100

77 1.1 25.0 37.6#

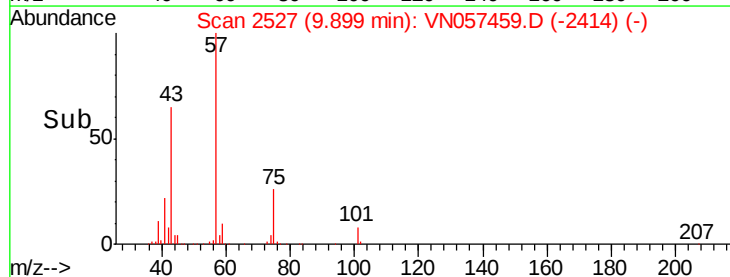
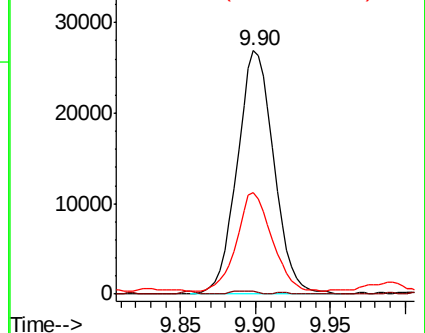
39 40.8 49.2 73.8#

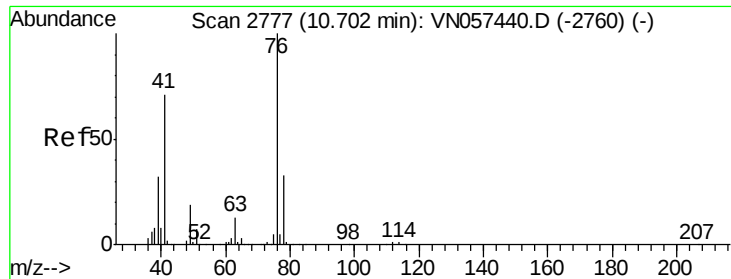


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.795 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

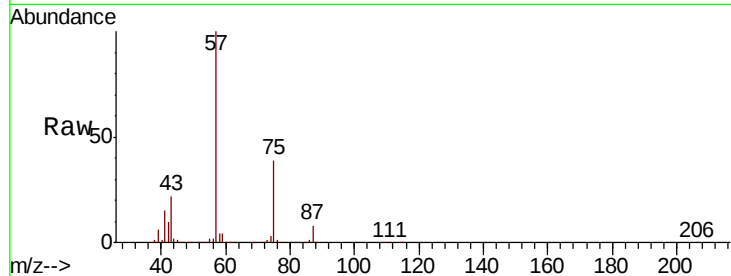
CFVP-228L

Tgt Ion: 76 Resp: 7493

Ion Ratio Lower Upper

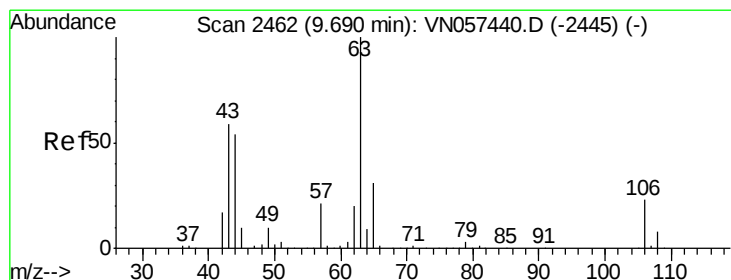
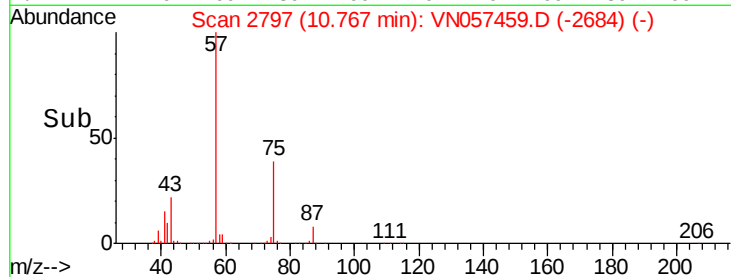
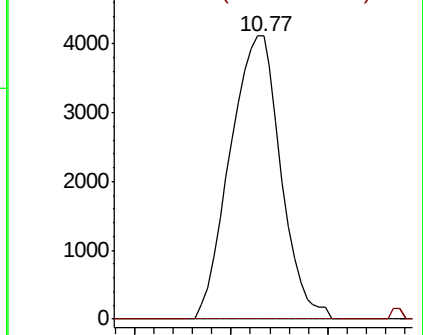
76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 17.125 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057459.D

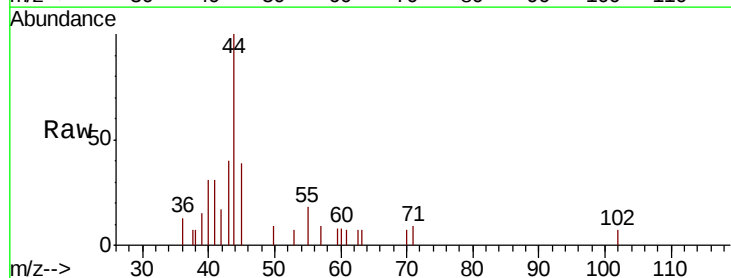
Acq: 23 Aug 2019 2:48

Tgt Ion: 63 Resp: 154

Ion Ratio Lower Upper

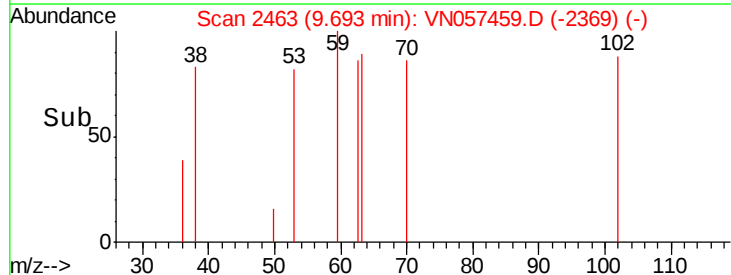
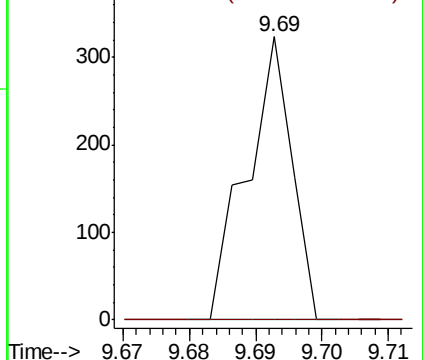
63 100

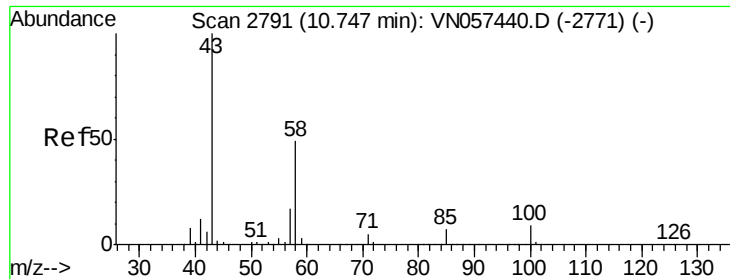
106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

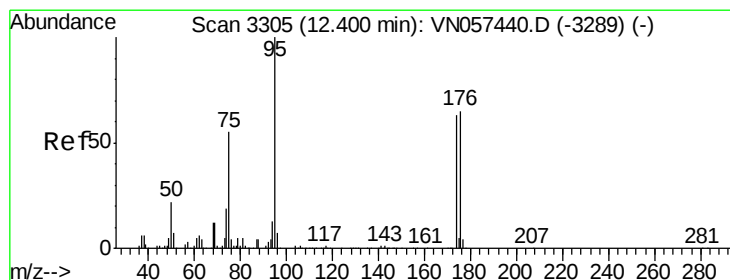
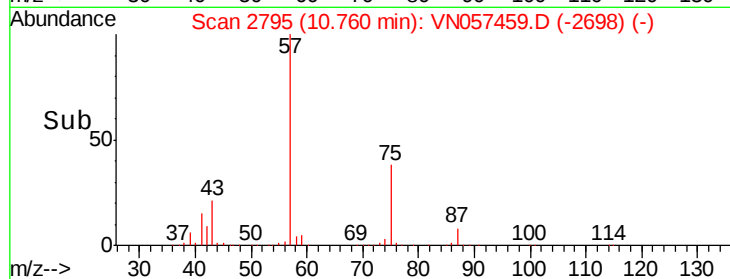
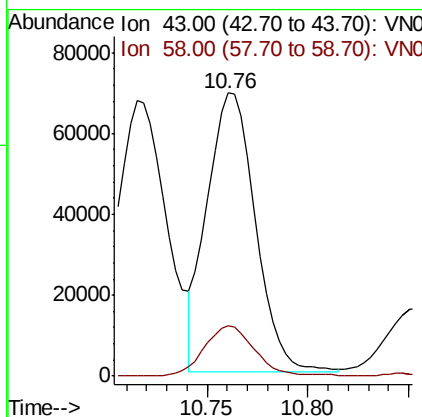
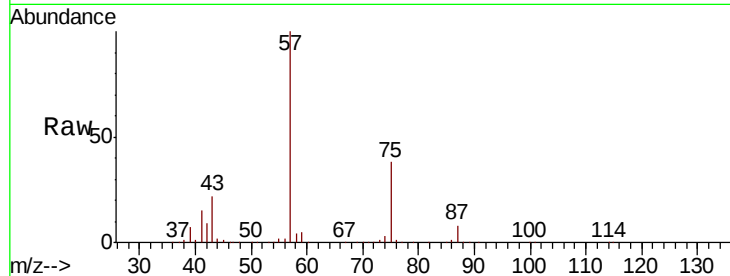




#59
2-Hexanone
Concen: 21.508 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

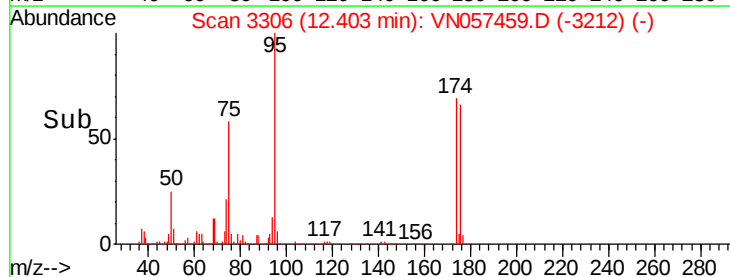
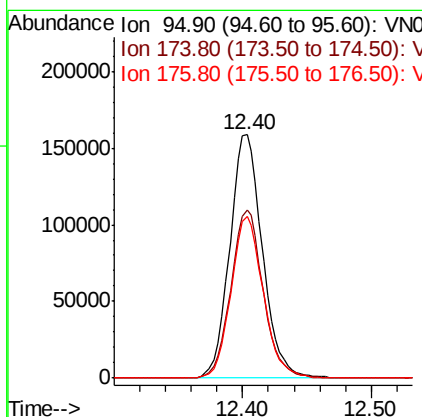
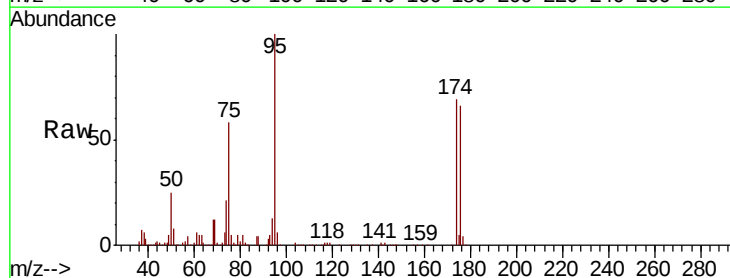
Instrument :
MSVOA_N
ClientSampleId :
CFVP-228L

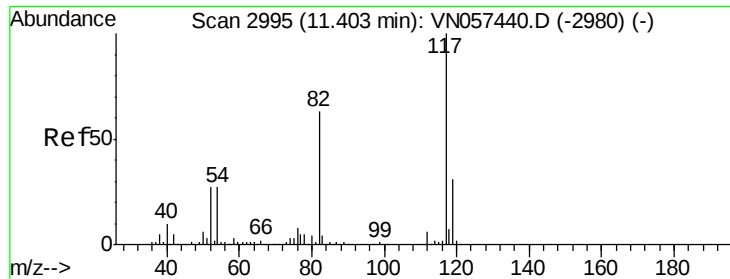
Tgt Ion: 43 Resp: 115377
Ion Ratio Lower Upper
43 100
58 19.0 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 42.257 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

Tgt Ion: 95 Resp: 277232
Ion Ratio Lower Upper
95 100
174 68.7 0.0 133.0
176 65.9 0.0 130.8

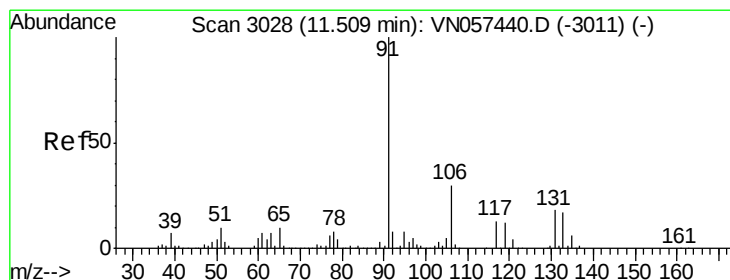
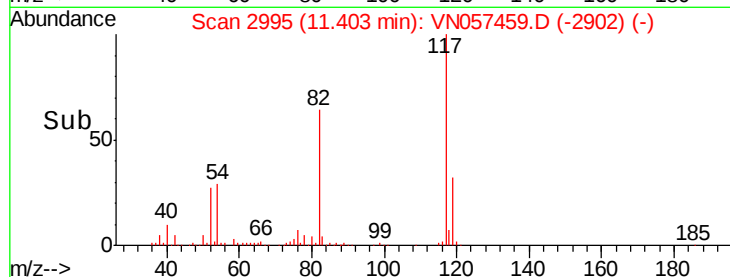
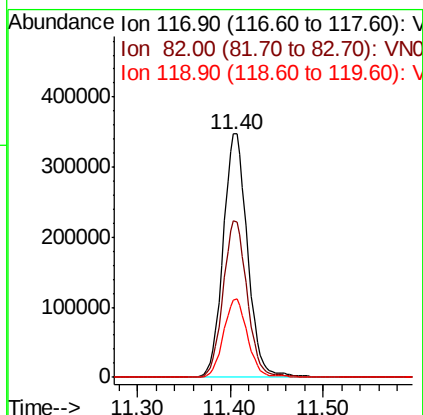
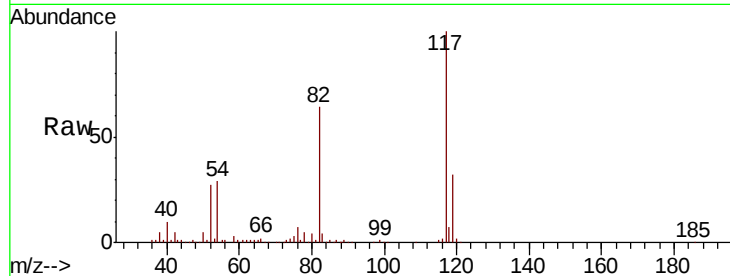




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

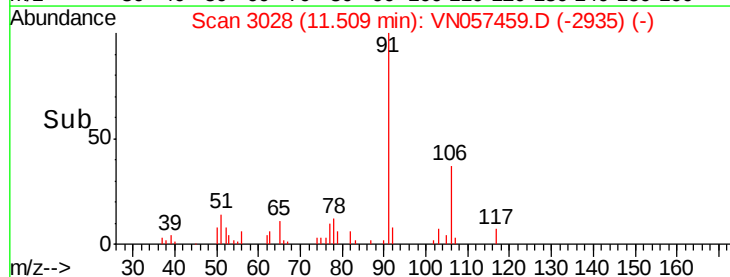
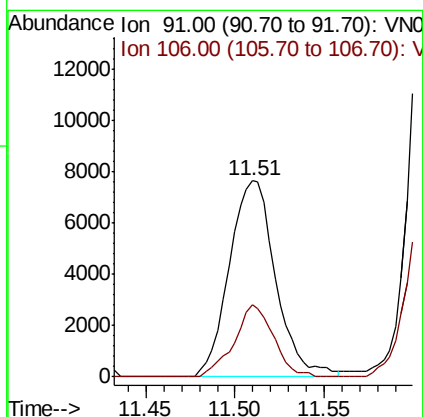
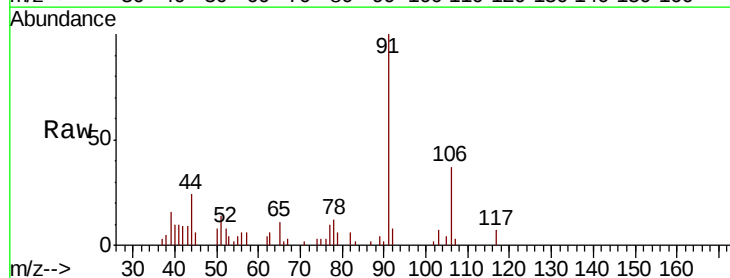
Instrument :
MSVOA_N
ClientSampleId :
CFVP-228L

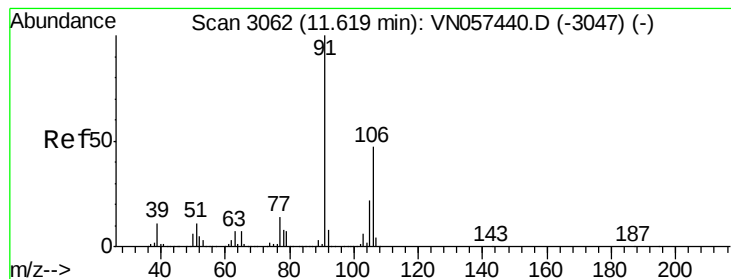
Tgt Ion: 117 Resp: 631297
Ion Ratio Lower Upper
117 100
82 64.4 50.6 75.8
119 31.7 24.6 36.8



#67
Ethyl Benzene
Concen: 0.559 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

Tgt Ion: 91 Resp: 13804
Ion Ratio Lower Upper
91 100
106 36.6 24.1 36.1#





#68

m/p-Xylenes

Concen: 2.973 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

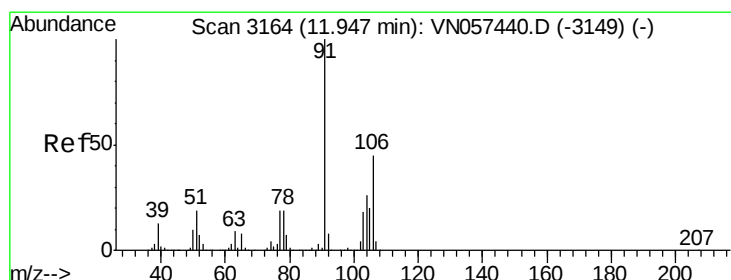
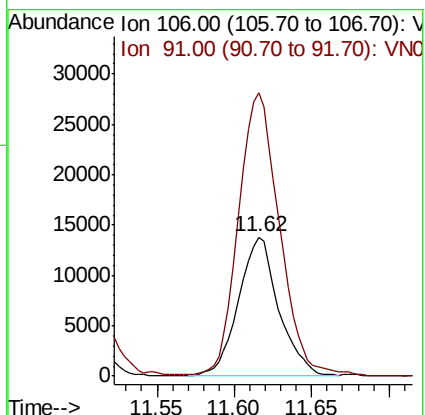
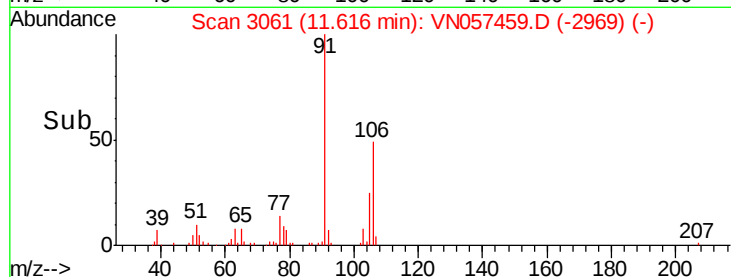
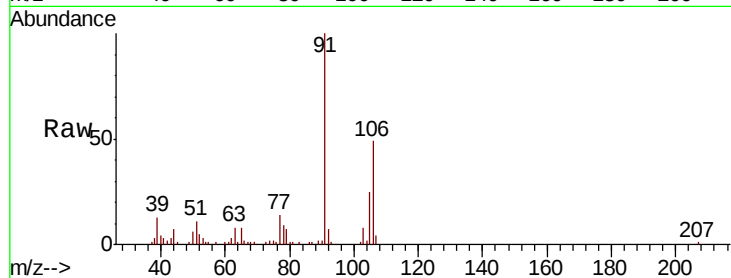
CFVP-228L

Tgt Ion:106 Resp: 24974

Ion Ratio Lower Upper

106 100

91 209.1 171.8 257.6



#69

o-Xylene

Concen: 2.573 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057459.D

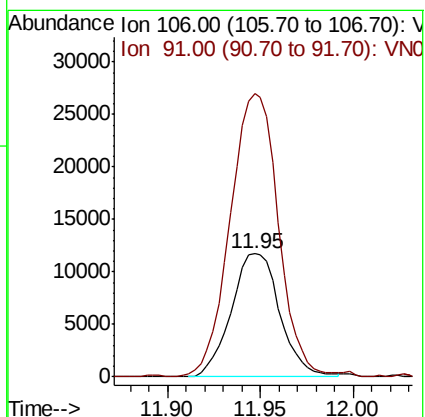
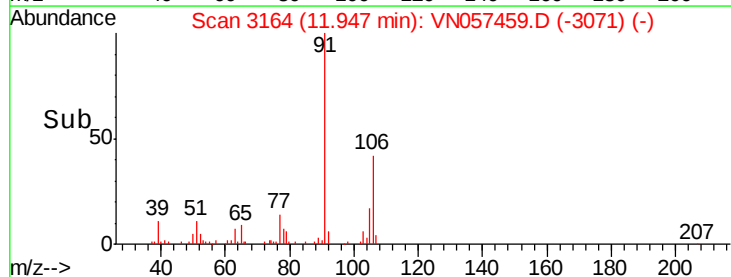
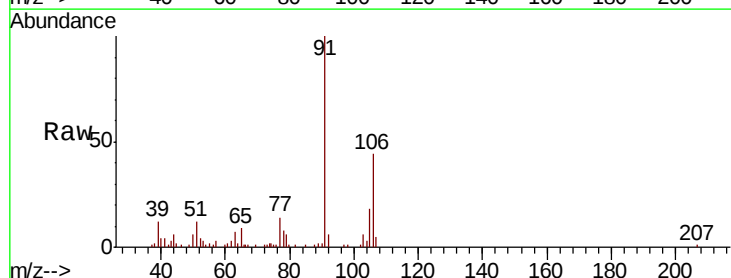
Acq: 23 Aug 2019 2:48

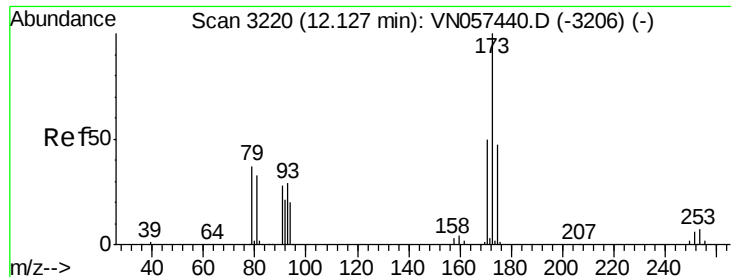
Tgt Ion:106 Resp: 21414

Ion Ratio Lower Upper

106 100

91 228.6 112.3 336.9





#71

Bromoform

Concen: 0.310 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

CFVP-228L

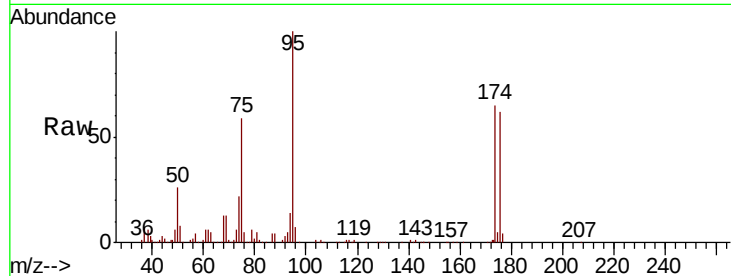
Tgt Ion:173 Resp: 1025

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

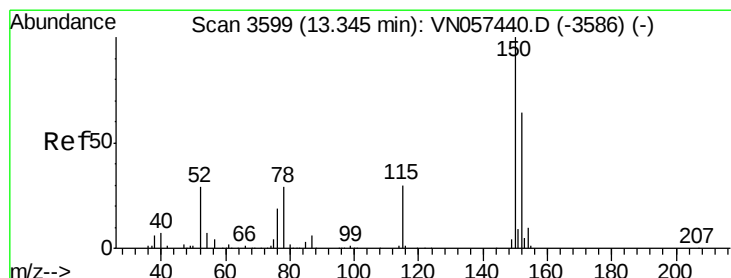
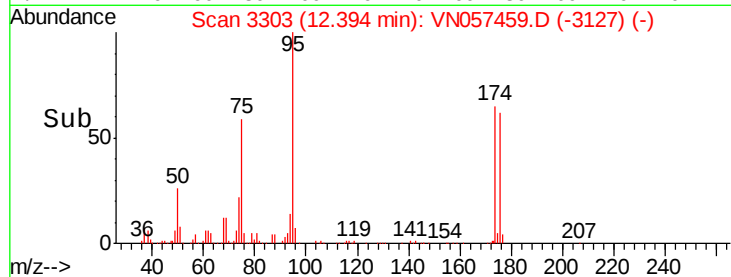
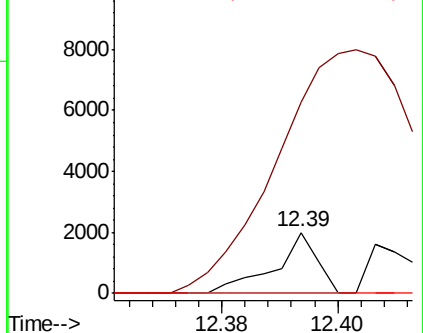
254 0.0 0.1 0.1#



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# 3599

Delta R.T. -0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

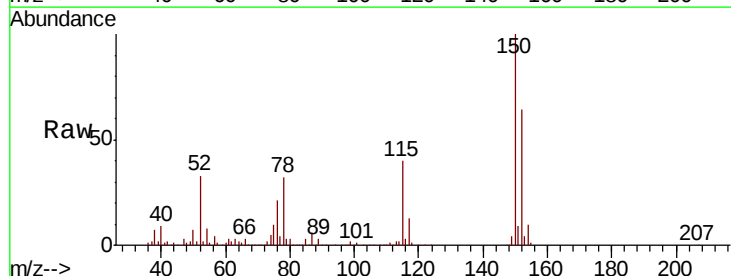
Tgt Ion:152 Resp: 174941

Ion Ratio Lower Upper

152 100

115 65.2 32.0 96.0

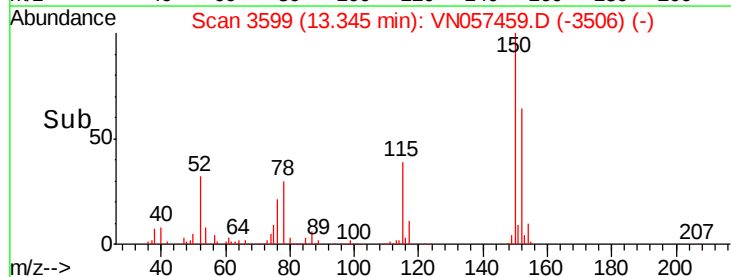
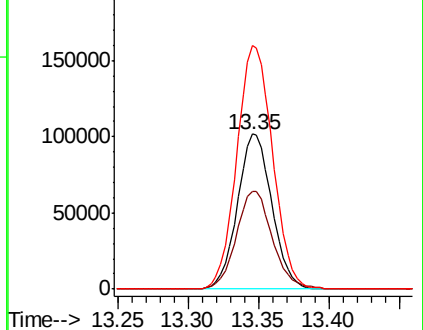
150 162.8 0.0 346.6

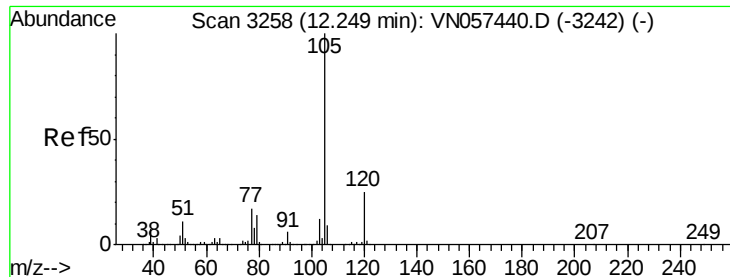


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

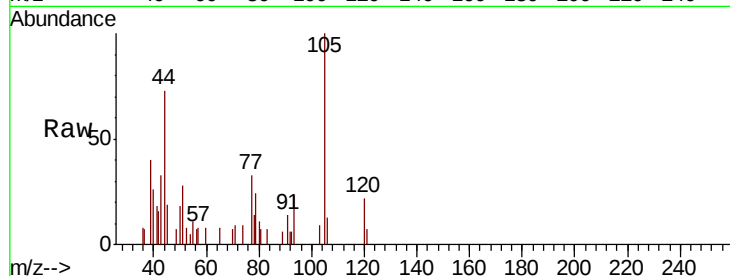
CFVP-228L

Tgt Ion: 105 Resp: 5059

Ion Ratio Lower Upper

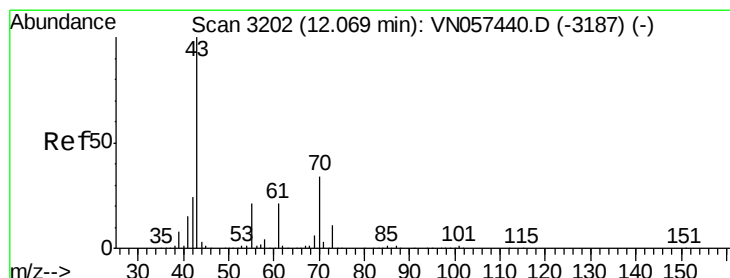
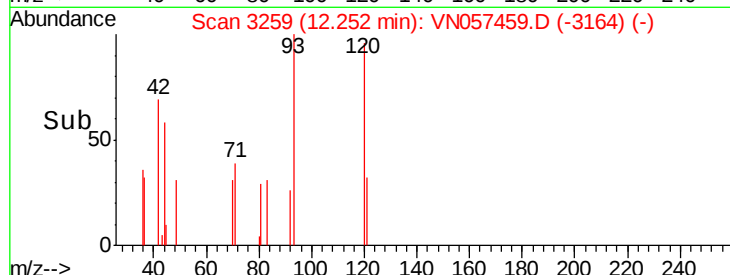
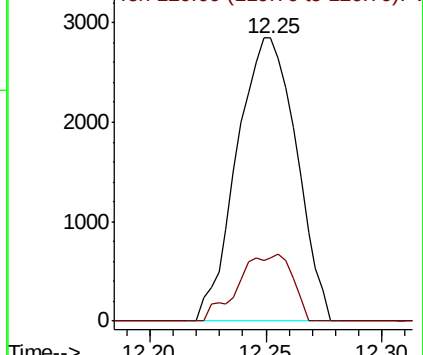
105 100

120 21.5 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Tgt Ion: 43 Resp: 4592

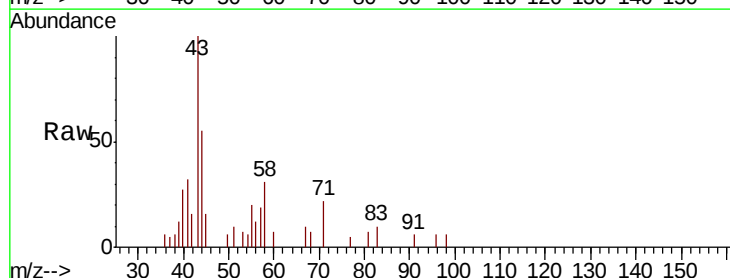
Ion Ratio Lower Upper

43 100

70 2.4 27.8 41.6#

55 0.0 17.0 25.4#

61 0.0 17.0 25.6#

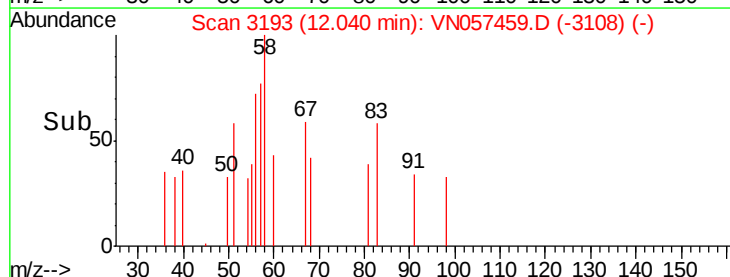
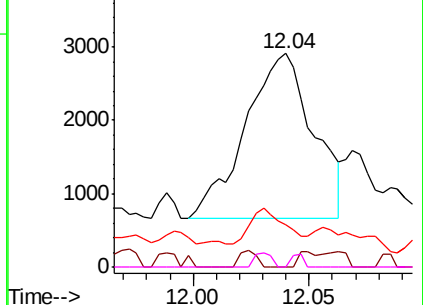


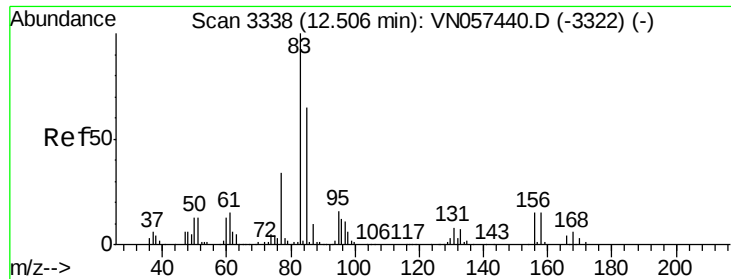
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3341

Delta R.T. 0.01 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

CFVP-228L

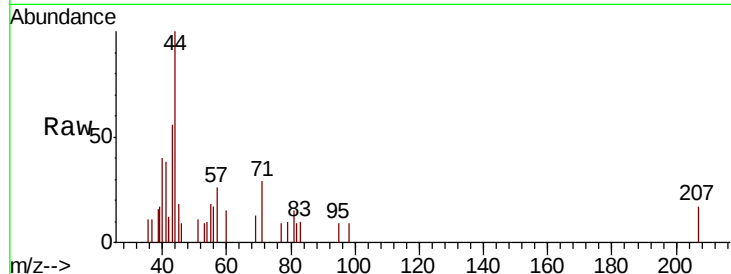
Tgt Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

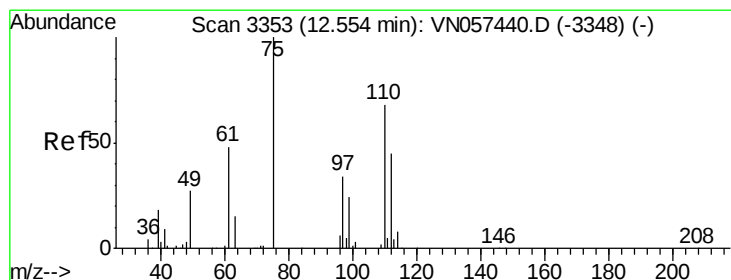
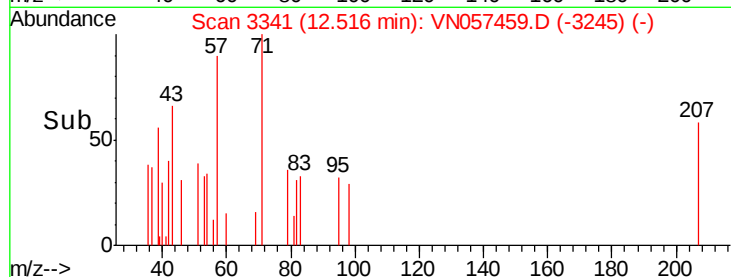
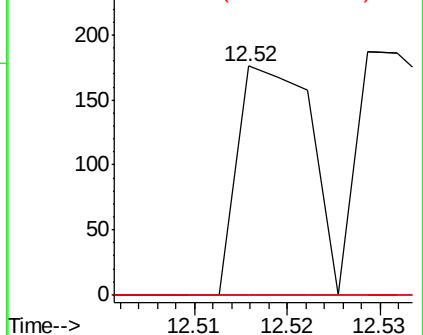
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 40.985 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057459.D

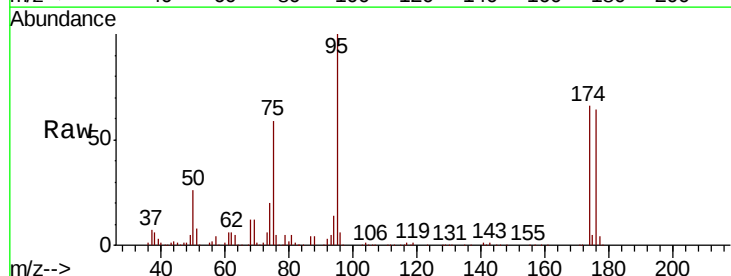
Acq: 23 Aug 2019 2:48

Tgt Ion: 75 Resp: 161311

Ion Ratio Lower Upper

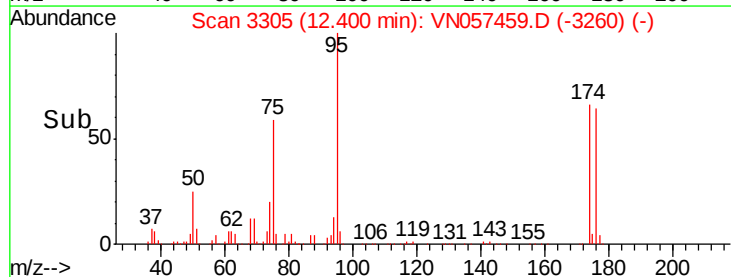
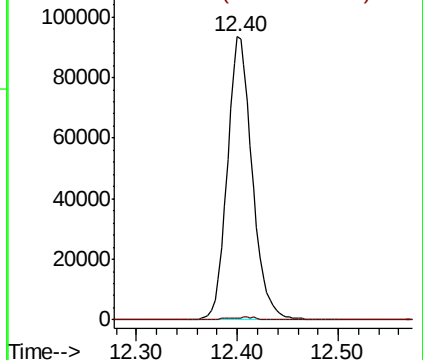
75 100

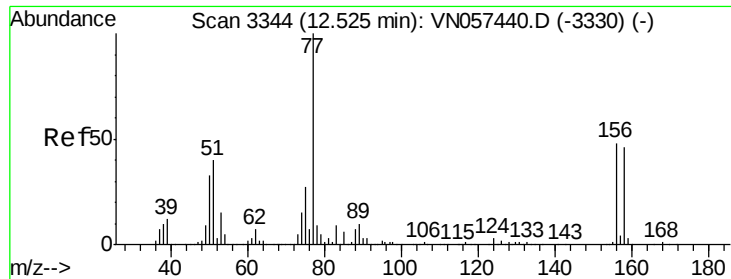
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.47 min Scan# 3326

Delta R.T. -0.06 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

CFVP-228L

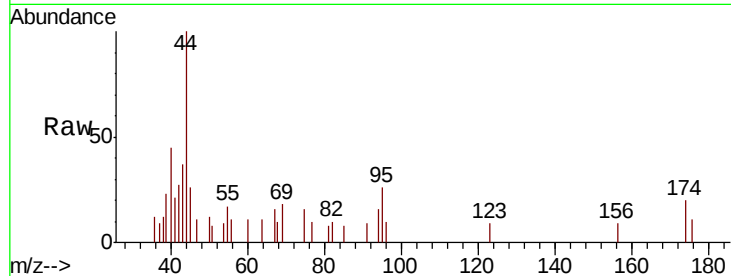
Tgt Ion:156 Resp: 32

Ion Ratio Lower Upper

156 100

77 0.0 124.4 373.3#

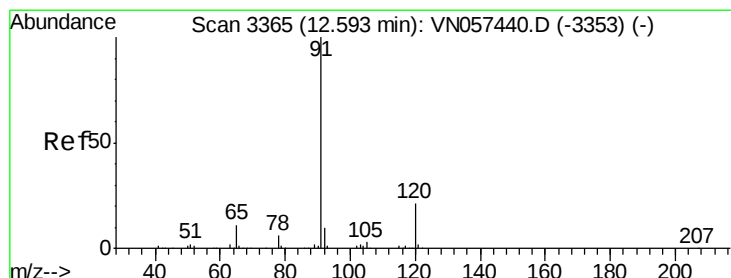
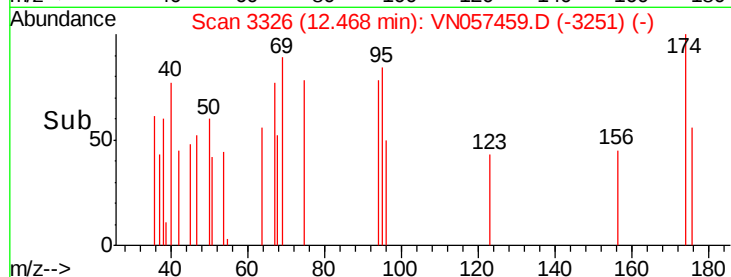
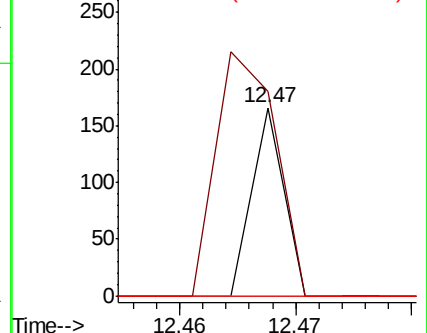
158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057459.D

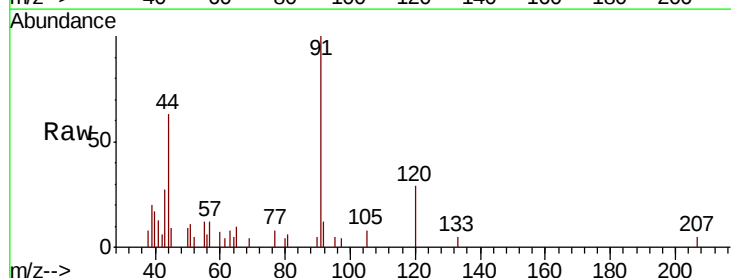
Acq: 23 Aug 2019 2:48

Tgt Ion: 91 Resp: 6801

Ion Ratio Lower Upper

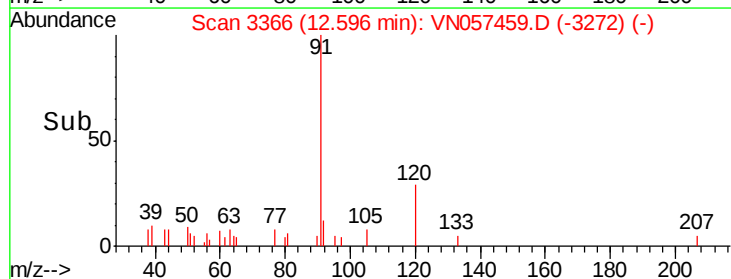
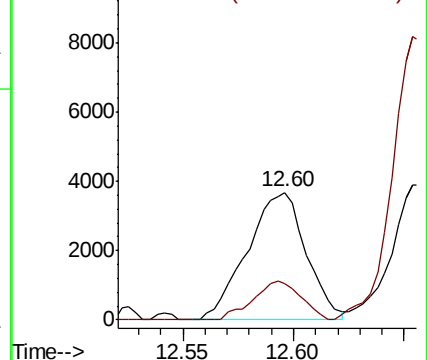
91 100

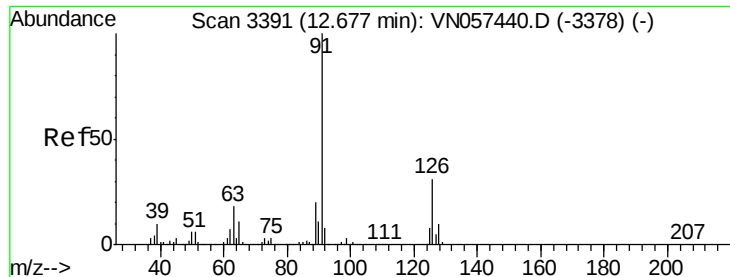
120 24.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.79 min Scan# 3426

Delta R.T. 0.11 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

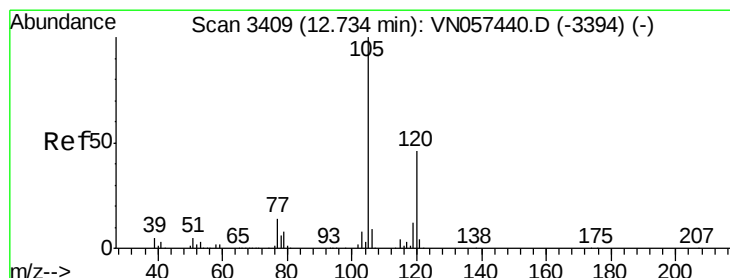
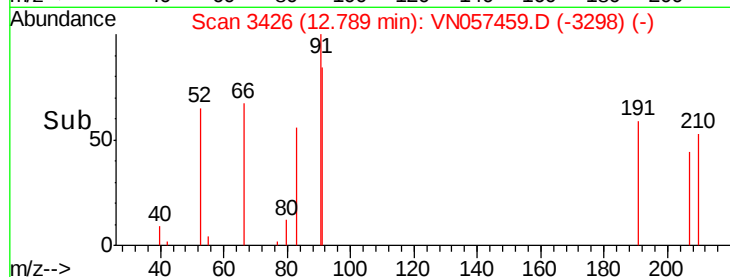
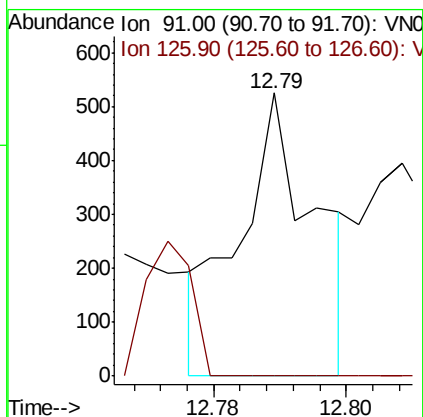
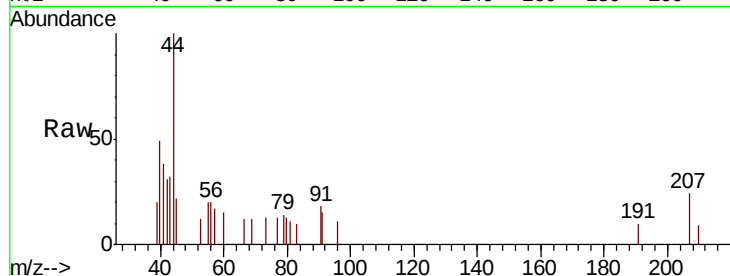
CFVP-228L

Tgt Ion: 91 Resp: 415

Ion Ratio Lower Upper

91 100

126 29.4 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057459.D

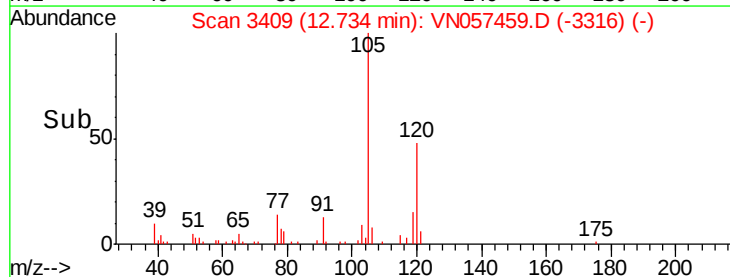
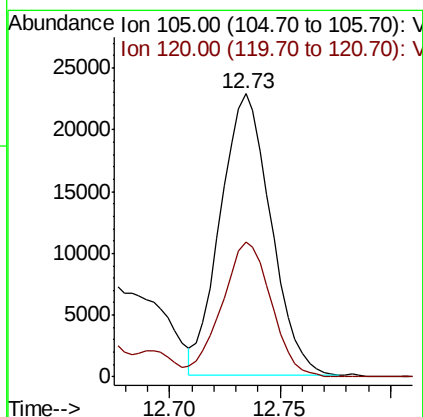
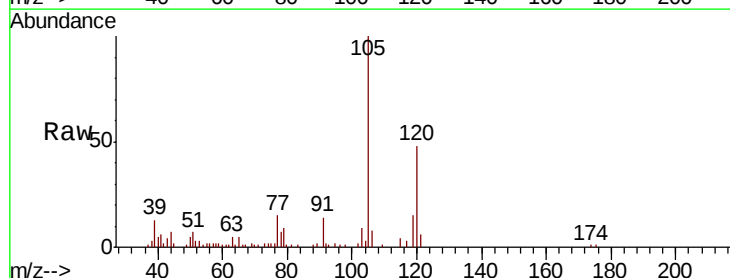
Acq: 23 Aug 2019 2:48

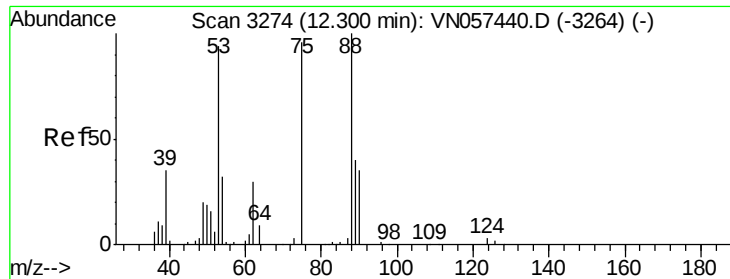
Tgt Ion: 105 Resp: 36200

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.8

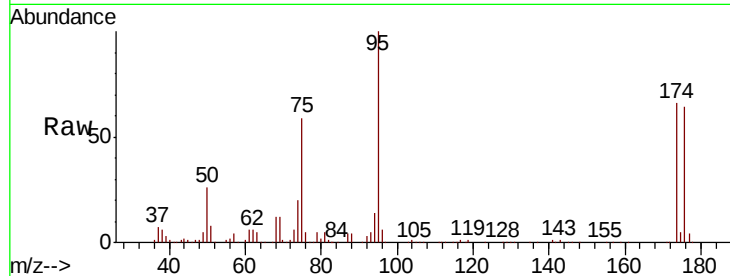




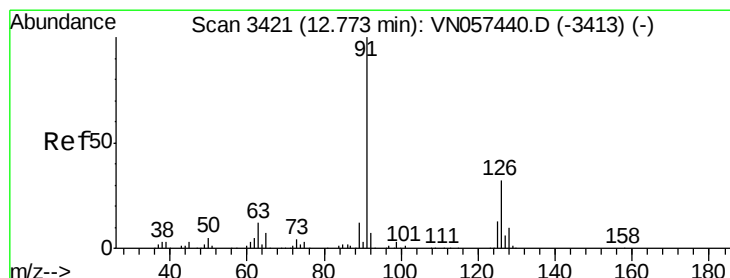
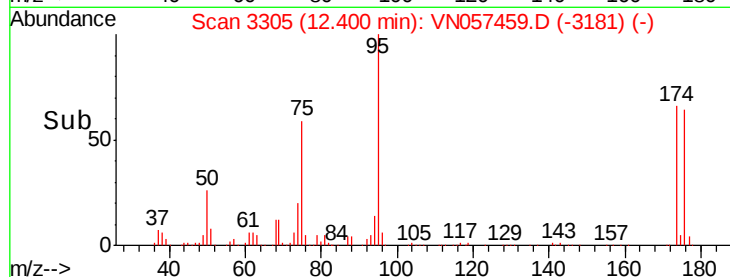
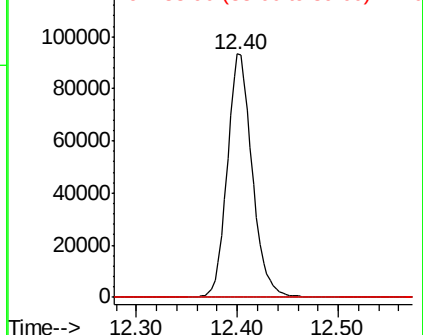
#81
trans-1,4-Dichloro-2-butene
Concen: 105.642 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

Instrument :
MSVOA_N
ClientSampled :
CFVP-228L

Tgt Ion: 75 Resp: 161311
Ion Ratio Lower Upper
75 100
53 0.0 82.7 124.1#
89 0.0 35.8 53.8#

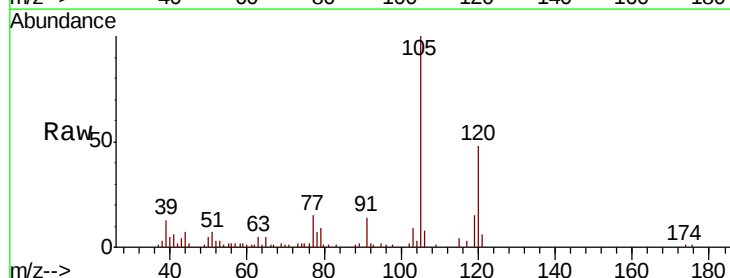


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

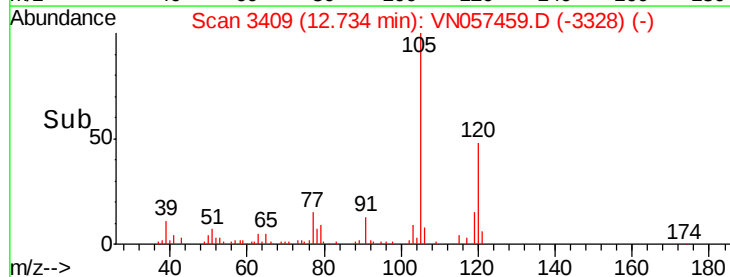
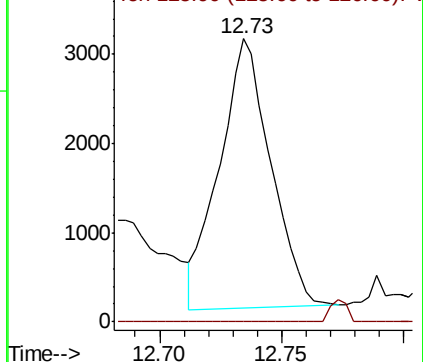


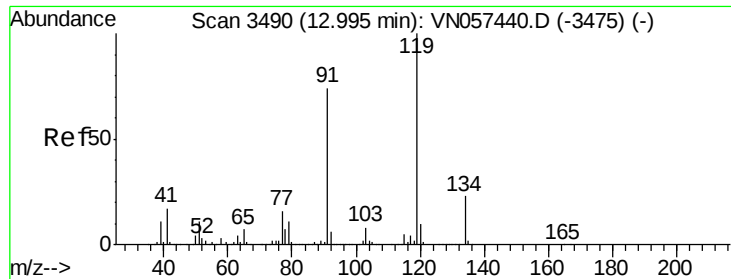
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN057459.D
Acq: 23 Aug 2019 2:48

Tgt Ion: 91 Resp: 4428
Ion Ratio Lower Upper
91 100
126 0.0 15.0 45.0#



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

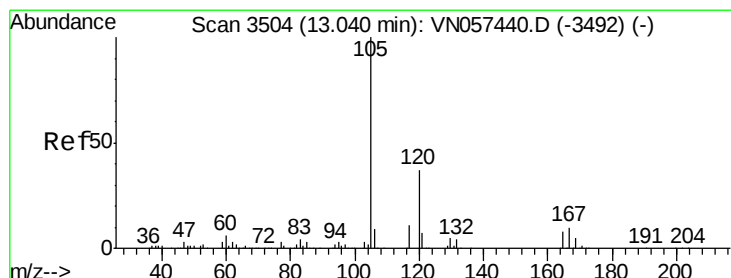
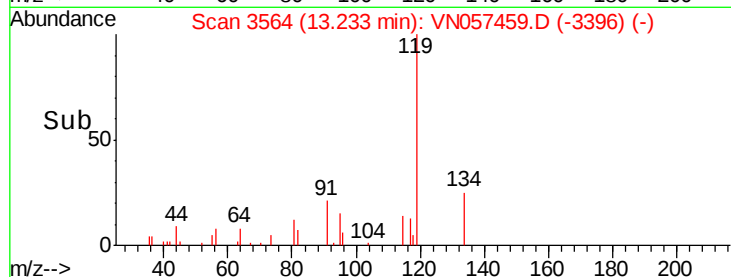
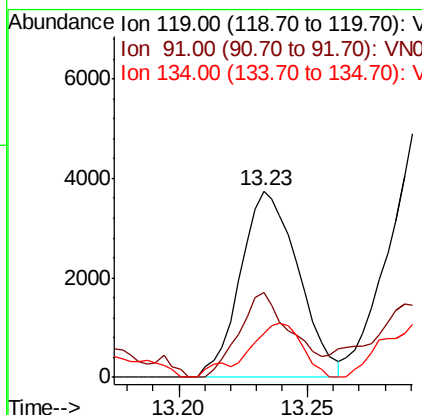
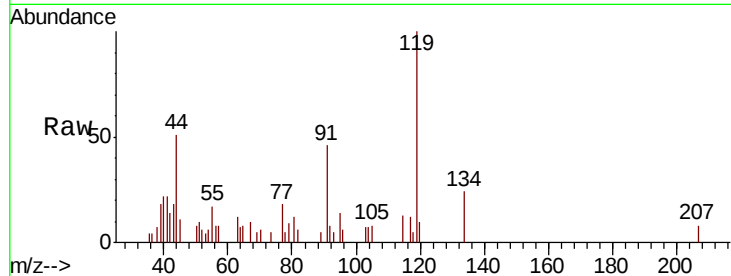




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.23 min Scan# 3564
 Delta R.T. 0.24 min
 Lab File: VN057459.D
 Acq: 23 Aug 2019 2:48

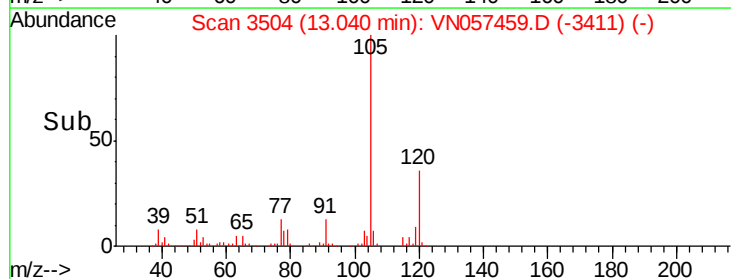
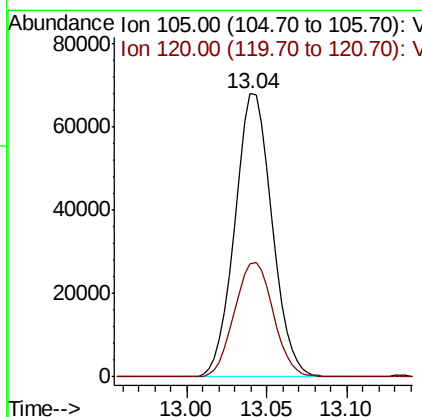
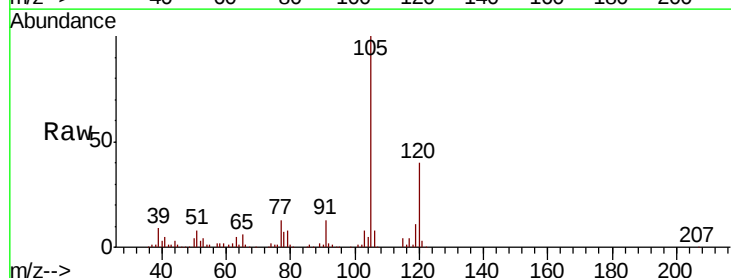
Instrument :
 MSVOA_N
 ClientSampleId :
 CFVP-228L

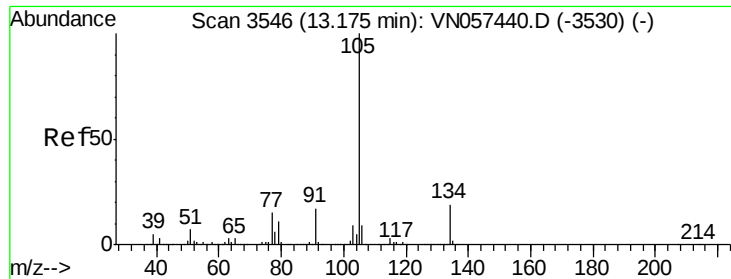
Tgt Ion:119 Resp: 5862
 Ion Ratio Lower Upper
 119 100
 91 41.6 37.0 111.0
 134 27.4 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 7.916 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057459.D
 Acq: 23 Aug 2019 2:48

Tgt Ion:105 Resp: 107667
 Ion Ratio Lower Upper
 105 100
 120 42.1 21.9 65.7





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

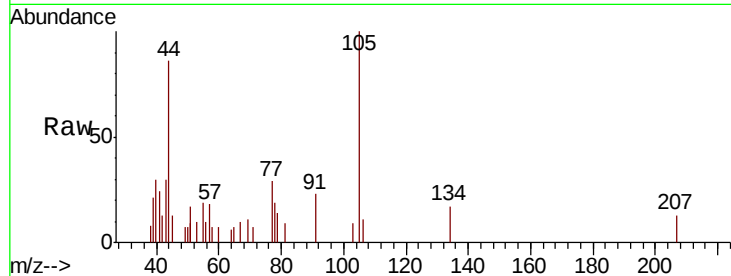
CFVP-228L

Tgt Ion: 105 Resp: 4224

Ion Ratio Lower Upper

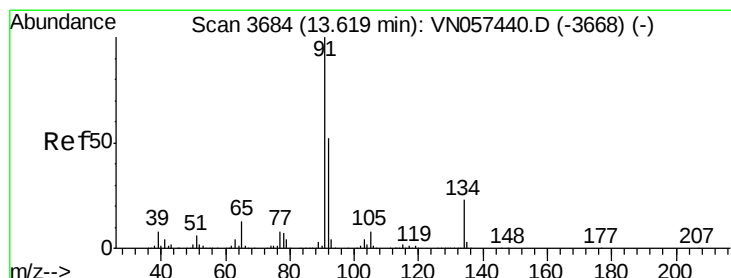
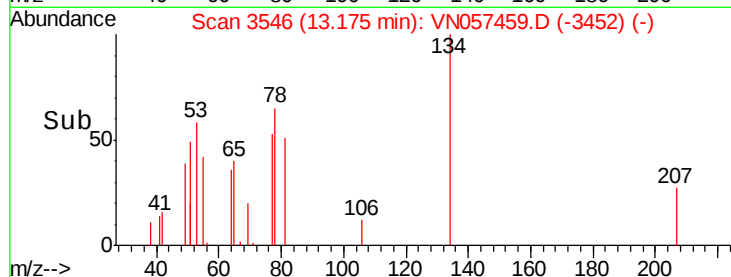
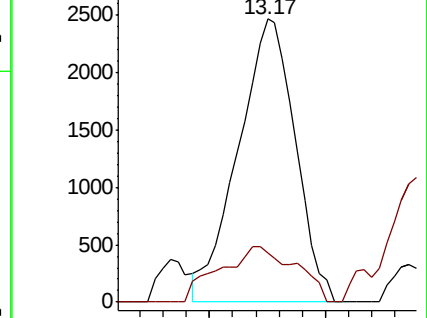
105 100

134 26.0 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.205 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.04 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

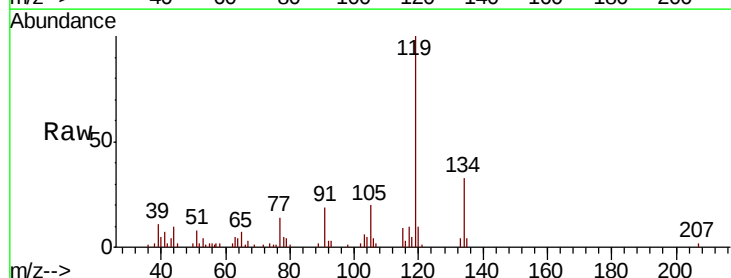
Tgt Ion: 91 Resp: 2368

Ion Ratio Lower Upper

91 100

92 20.9 25.7 77.0#

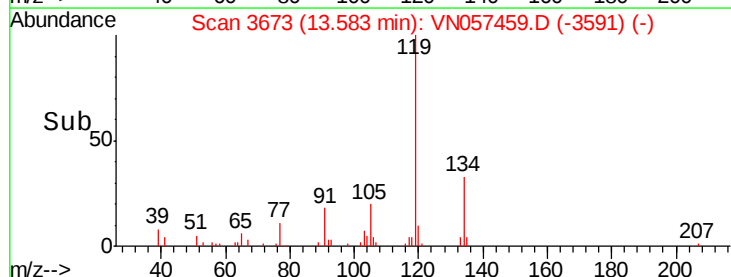
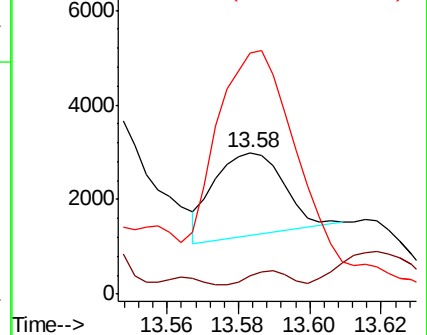
134 380.7 11.4 34.1#

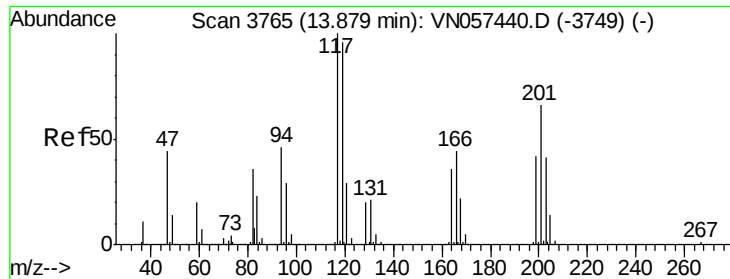


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampled :

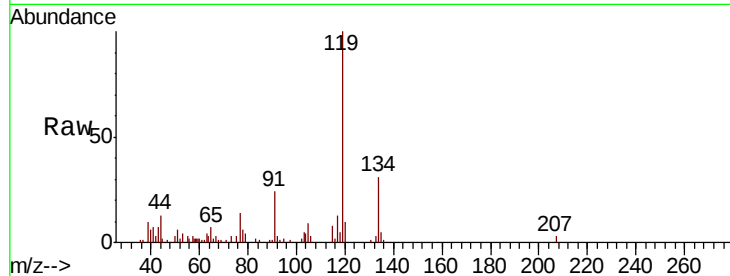
CFVP-228L

Tgt Ion:117 Resp: 2605

Ion Ratio Lower Upper

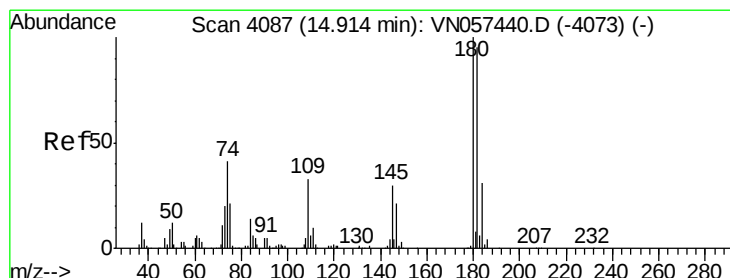
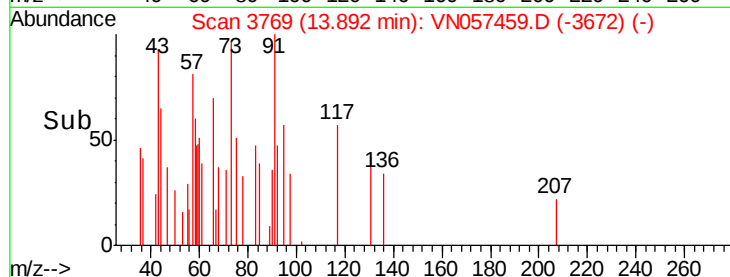
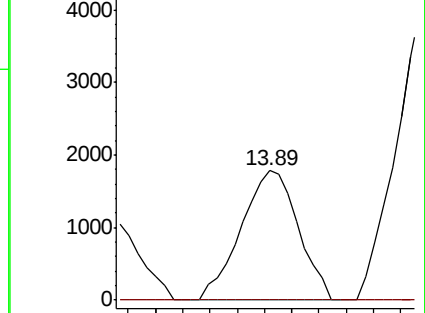
117 100

201 0.0 33.1 99.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 5.414 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

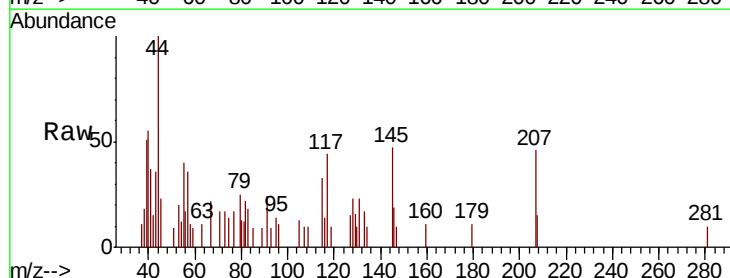
Tgt Ion:180 Resp: 102

Ion Ratio Lower Upper

180 100

182 64.7 46.7 140.1

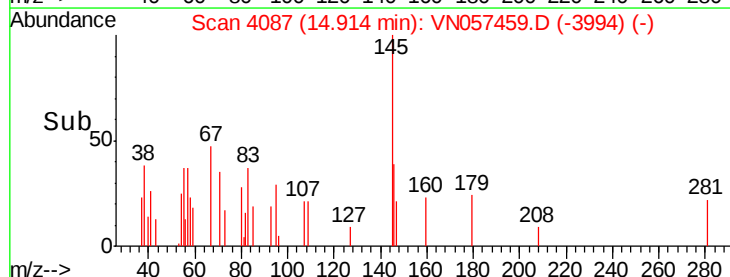
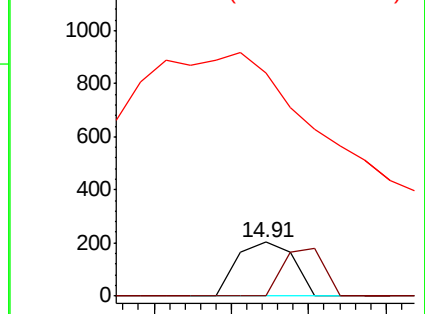
145 2252.9 15.6 46.8#

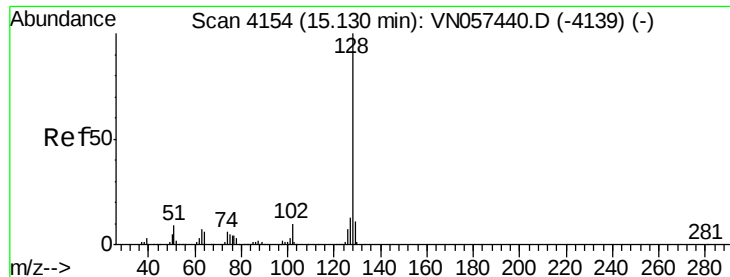


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 5.585 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

CFVP-228L

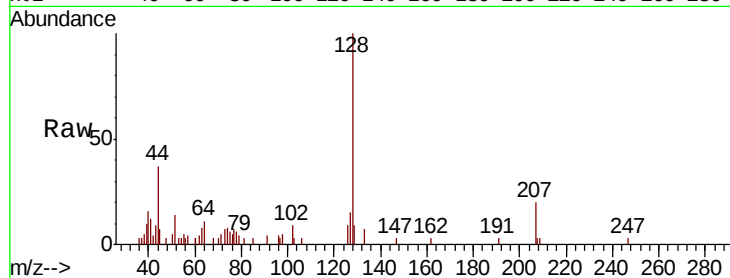
Tgt Ion:128 Resp: 9495

Ion Ratio Lower Upper

128 100

127 15.3 10.5 15.7

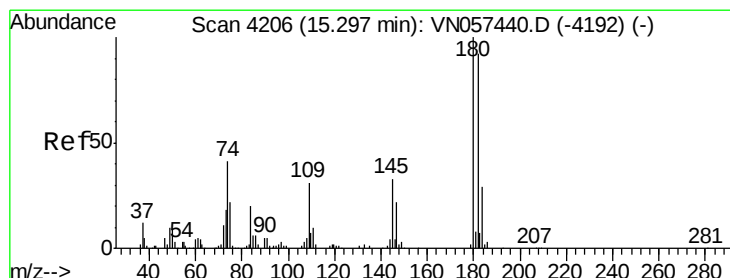
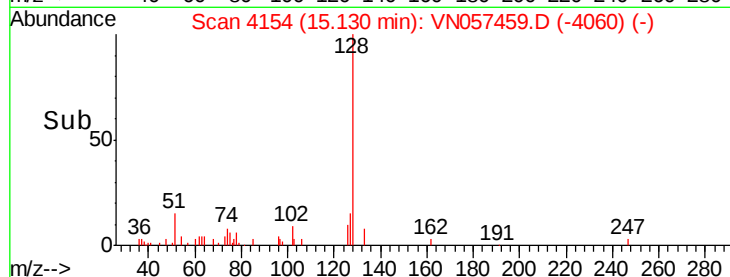
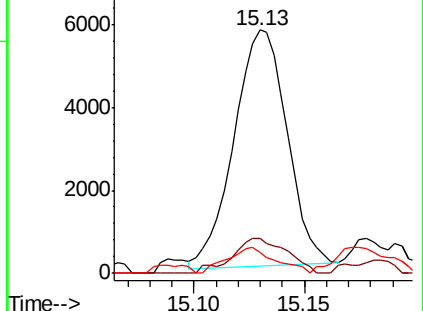
129 10.1 8.6 13.0



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: 5.237 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.01 min

Lab File: VN057459.D

Acq: 23 Aug 2019 2:48

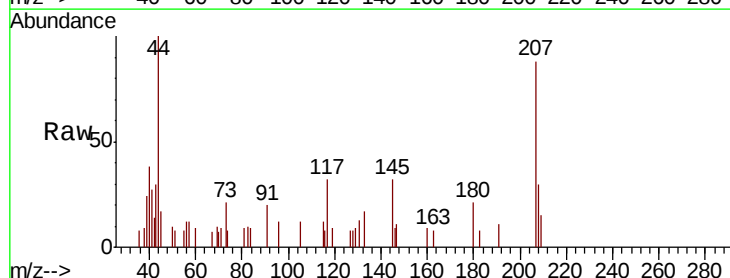
Tgt Ion:180 Resp: 297

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

145 398.7 16.8 50.3#



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

