

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063955.D
 Acq On : 7 Oct 2020 20:07
 Operator : JC/MD
 Sample : L4280-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 10-6-HSFRAC

Quant Time: Oct 08 05:04:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	236768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	433496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175548	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	199253	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.55	113	145262	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.06	98	541045	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.38	95	211761	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	

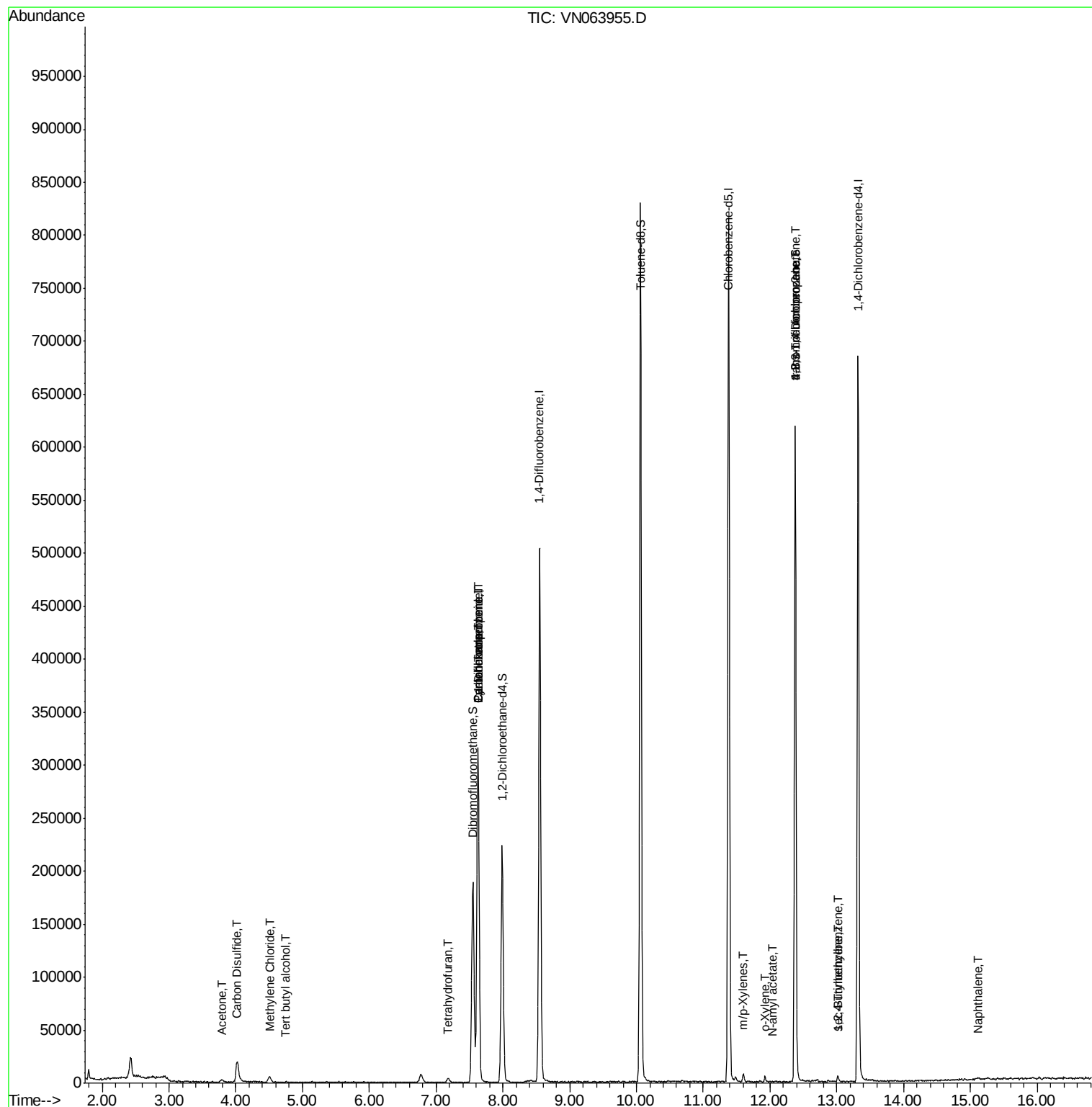
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	144	0.333	ug/l #	71
16) Acetone	3.78	43	4269	3.545	ug/l	94
17) Carbon Disulfide	4.00	76	857	0.832	ug/l #	76
20) Methylene Chloride	4.50	84	3748	1.454	ug/l #	78
29) Tetrahydrofuran	7.18	42	3193	2.789	ug/l #	72
31) Cyclohexane	7.62	56	6440	1.418	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	22150	5.204	ug/l #	45
38) Carbon Tetrachloride	7.63	117	25889	5.424	ug/l #	17
68) m/p-Xylenes	11.60	106	2160	0.358	ug/l	81
69) o-Xylene	11.93	106	1411	0.250	ug/l	89
74) N-amyl acetate	12.04	43	496	2.296	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	115386	29.817	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115386	85.878	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.02	105	3429	0.320	ug/l	86
85) sec-Butylbenzene	13.02	105	3429	0.297	ug/l #	58
95) Naphthalene	15.10	128	444	1.969	ug/l #	79

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063955.D

Acq: 7 Oct 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

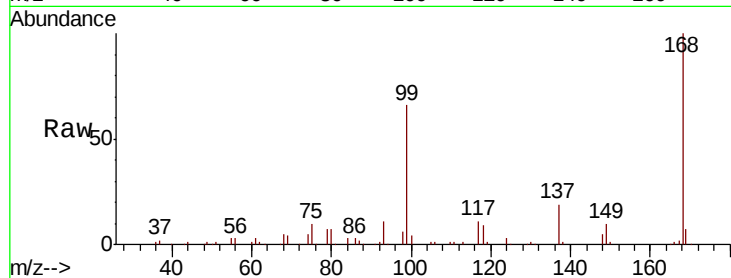
10-6-HSFRAC

Tot Ion:168 Resp: 236768

Ion Ratio Lower Upper

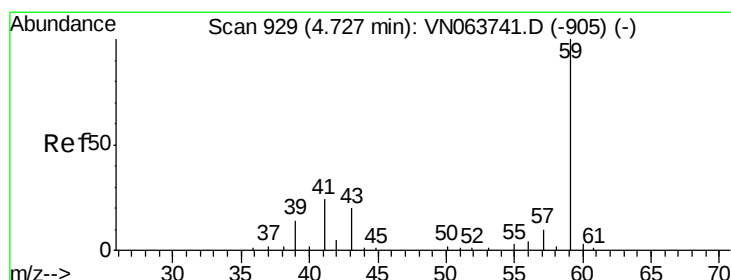
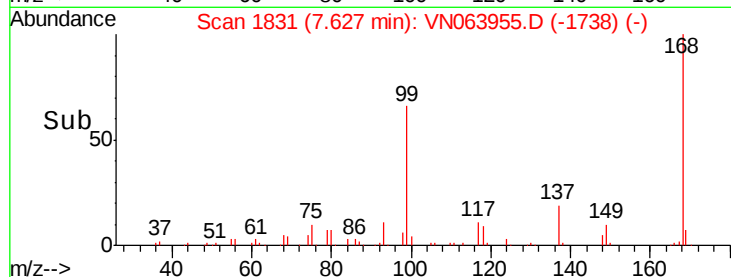
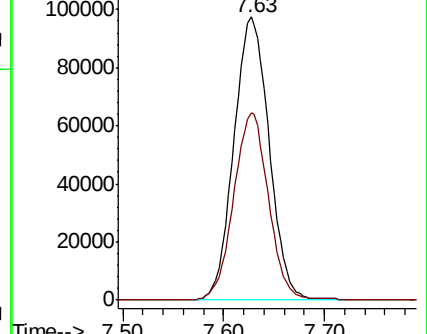
168 100

99 66.1 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.333 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN063955.D

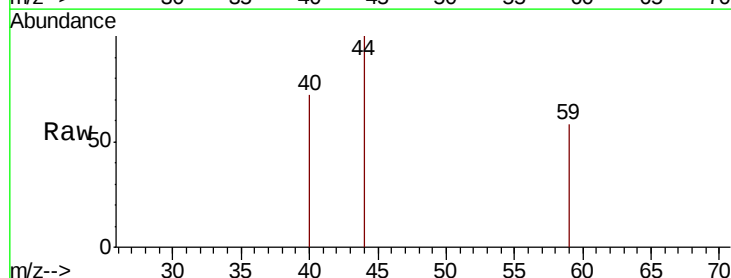
Acq: 7 Oct 2020 20:07

Tgt Ion: 59 Resp: 144

Ion Ratio Lower Upper

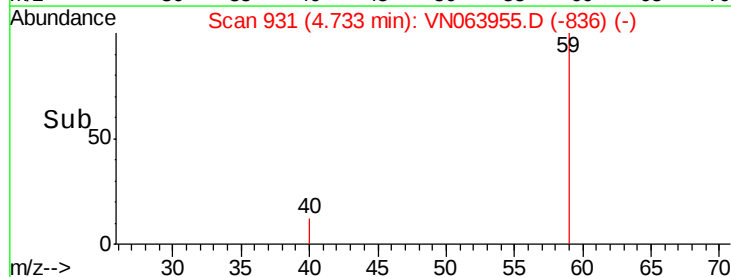
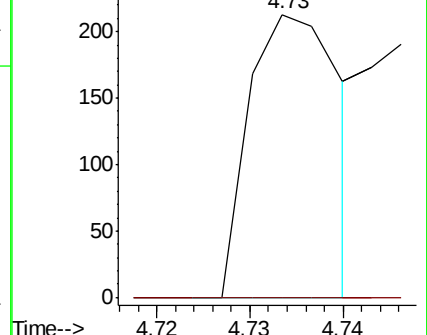
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 3.545 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063955.D

Acq: 7 Oct 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

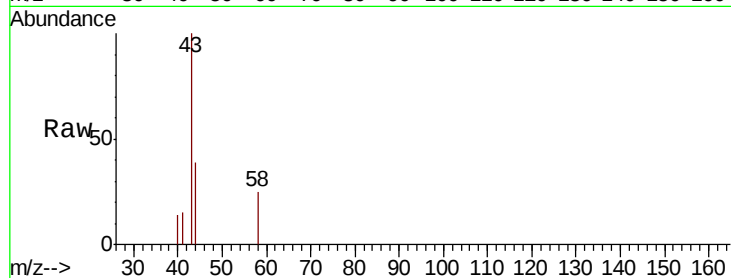
10-6-HSFRAC

Tot Ion: 43 Resp: 4269

Ion Ratio Lower Upper

43 100

58 24.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-599) (-)

1500

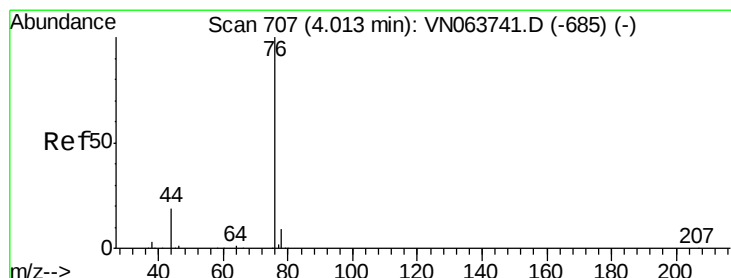
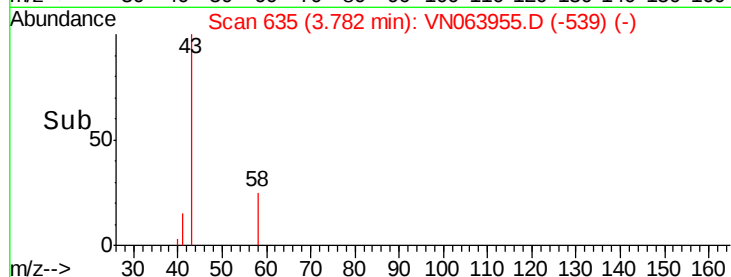
1000

500

0

3.75 3.80 3.85

Time-->



#17

Carbon Disulfide

Concen: 0.832 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN063955.D

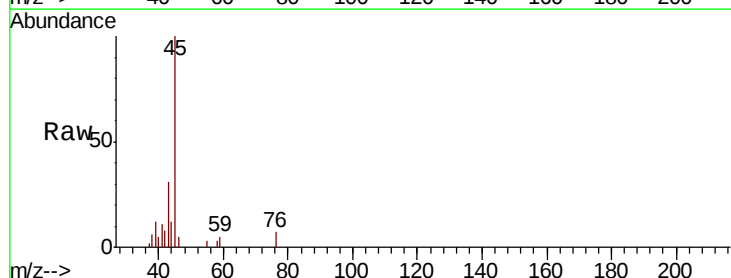
Acq: 7 Oct 2020 20:07

Tgt Ion: 76 Resp: 857

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)

500

400

300

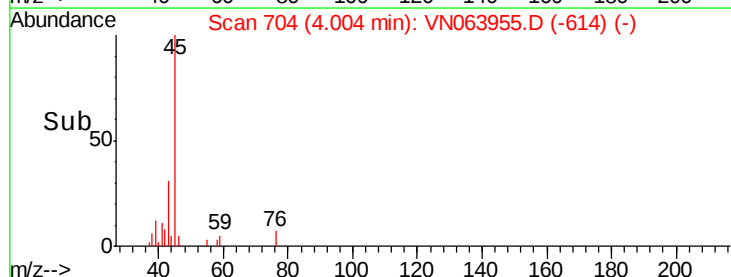
200

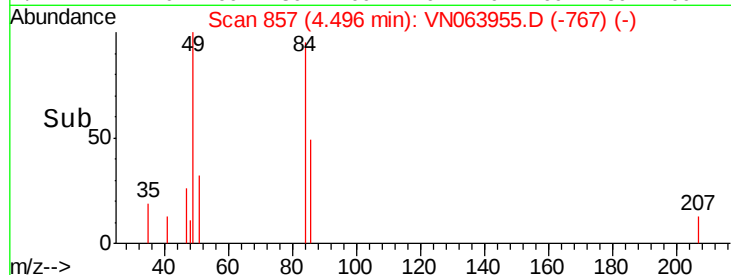
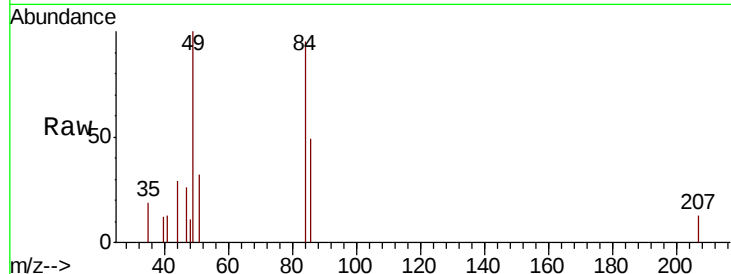
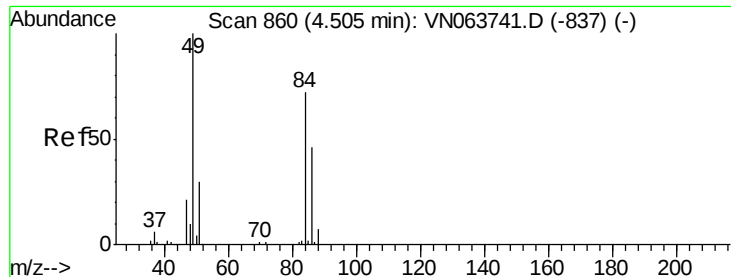
100

0

4.00 4.05

Time-->

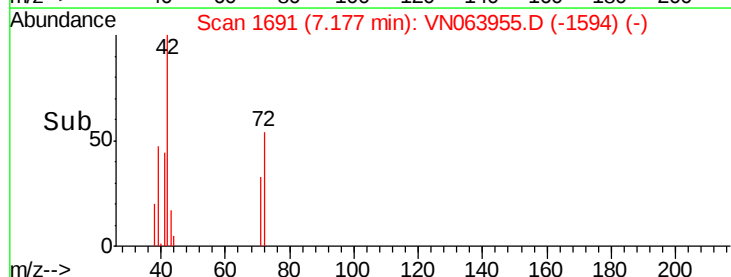
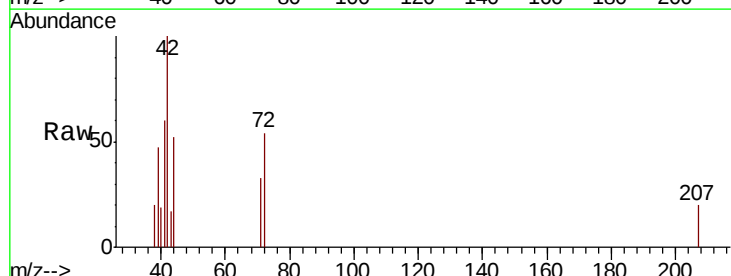
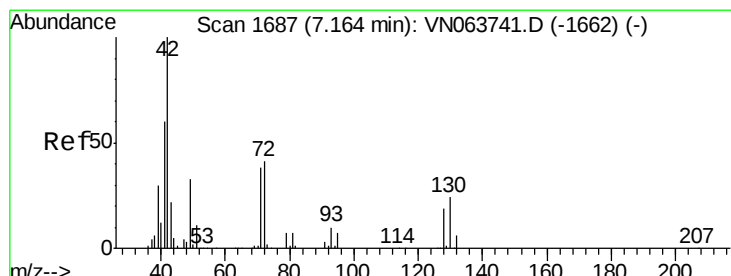
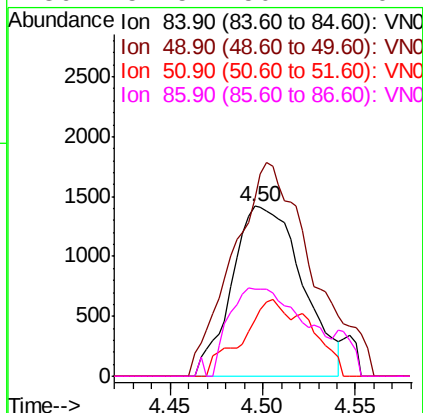




#20
Methvlene Chloride
Concen: 1.454 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

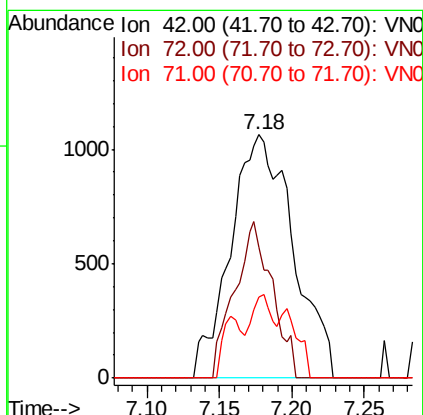
Instrument :
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10-6-HSFRAC

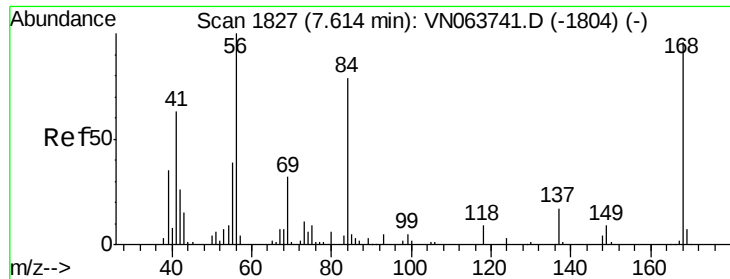
Tot Ion: 84 Resp: 3748
Ion Ratio Lower Upper
84 100
49 105.0 110.4 165.6#
51 33.5 33.3 49.9
86 51.5 50.7 76.1



#29
Tetrahydrofuran
Concen: 2.789 ug/l
RT: 7.18 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Tgt Ion: 42 Resp: 3193
Ion Ratio Lower Upper
42 100
72 38.7 32.8 49.2
71 6.0 30.6 45.8#

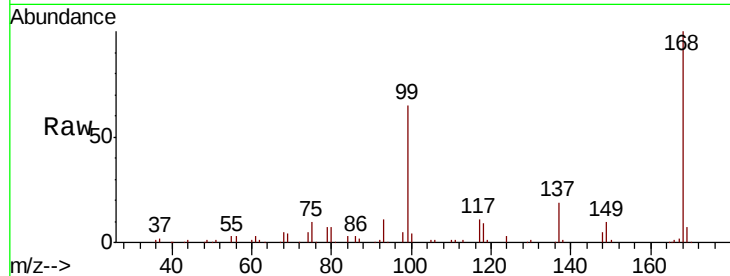




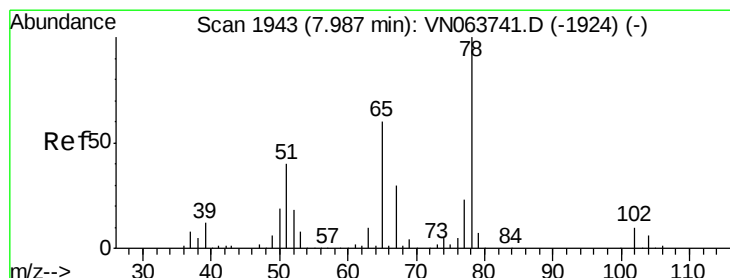
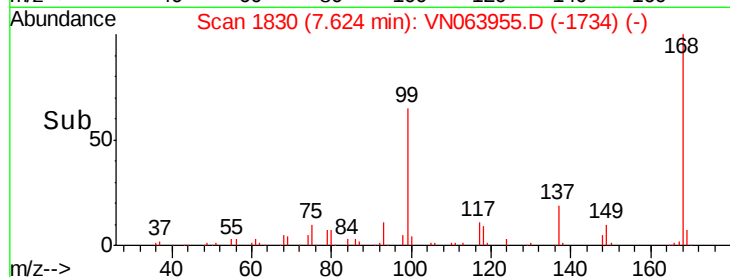
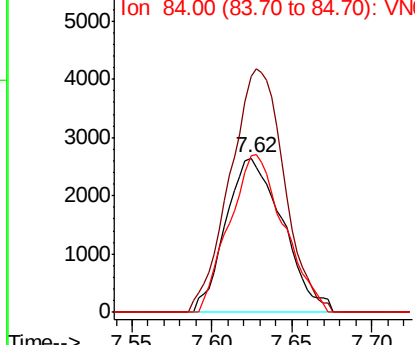
#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
10-6-HSFRAC

Tot Ion: 56 Resp: 6440
Ion Ratio Lower Upper
56 100
69 153.0 25.4 38.2#
84 101.5 63.3 94.9#

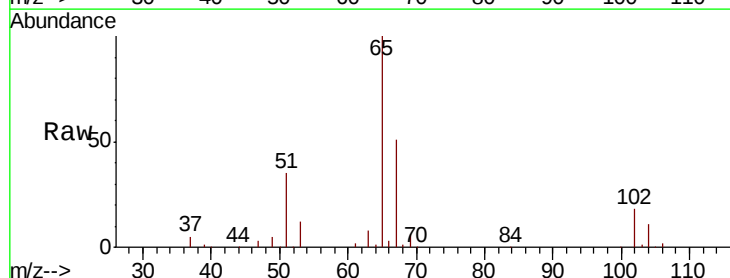


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

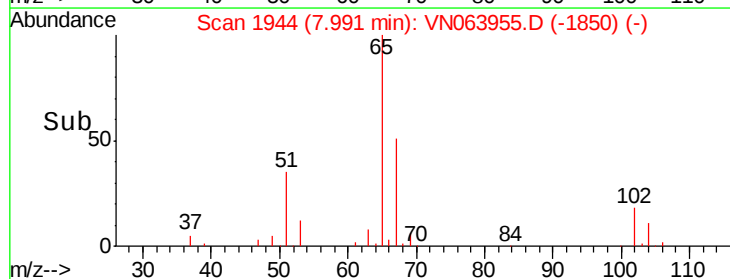
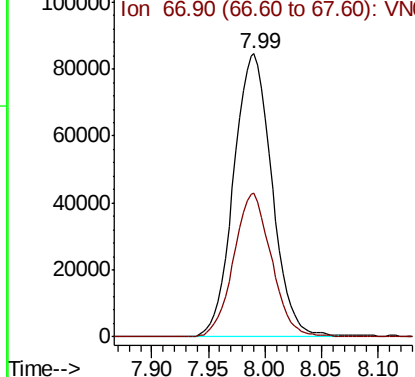


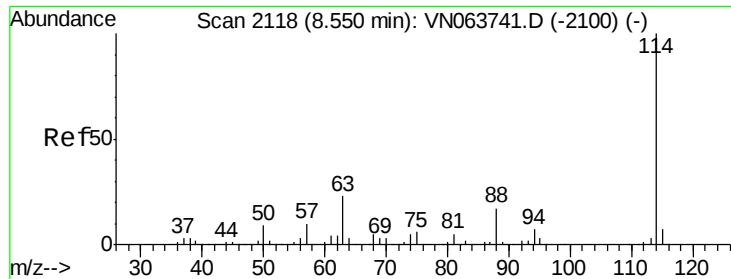
#33
1,2-Dichloroethane-d4
Concen: 50.939 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Tgt Ion: 65 Resp: 199253
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

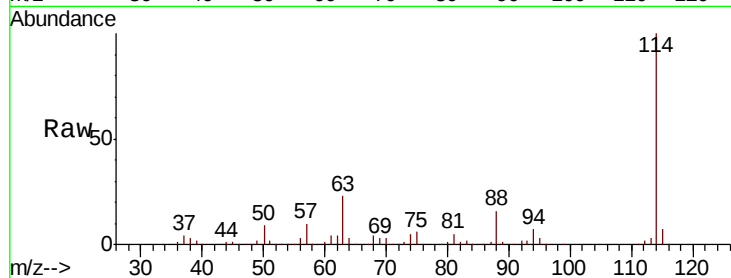




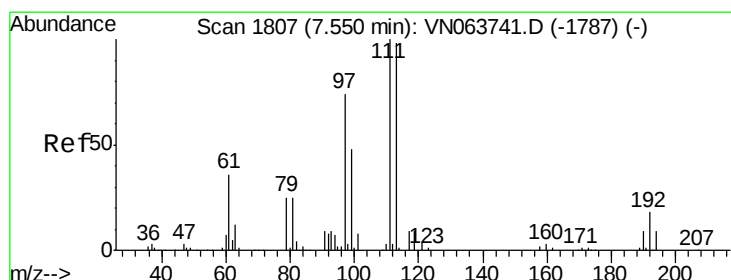
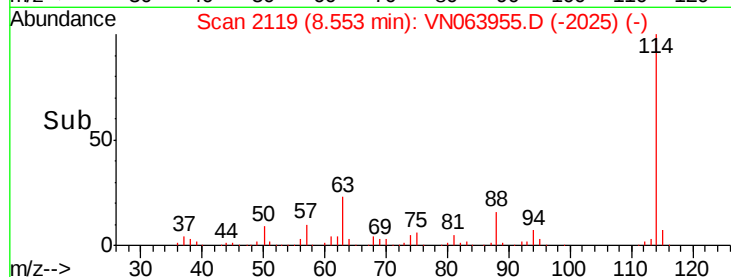
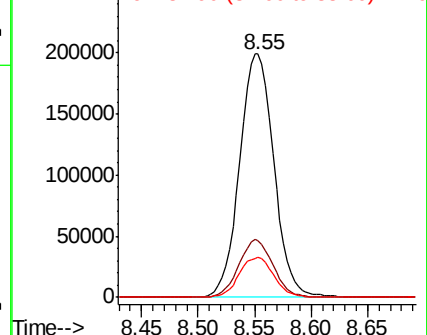
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
10-6-HSFRAC

Tot Ion:114 Resp: 420120
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.0
88 16.3 0.0 34.0

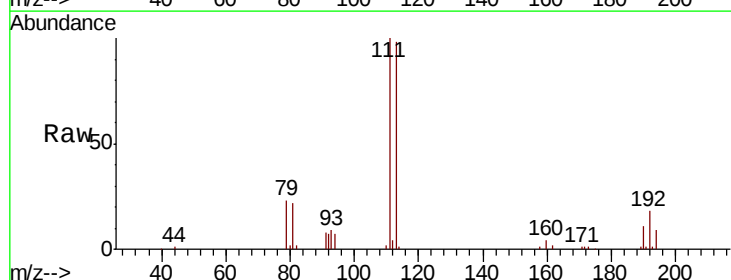


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

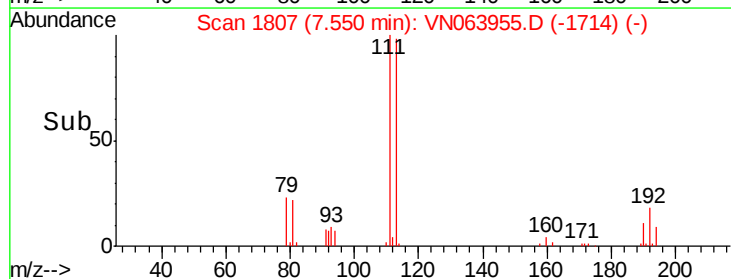
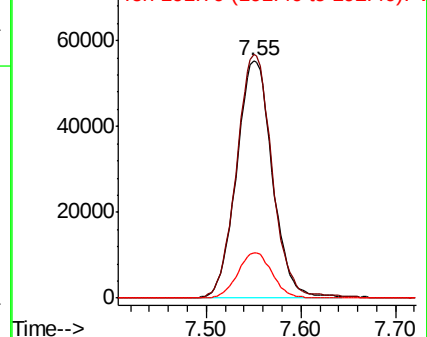


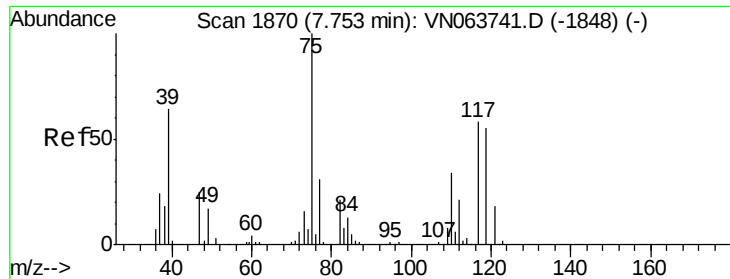
#35
Dibromofluoromethane
Concen: 49.831 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Tgt Ion:113 Resp: 145262
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 18.5 14.2 21.2



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

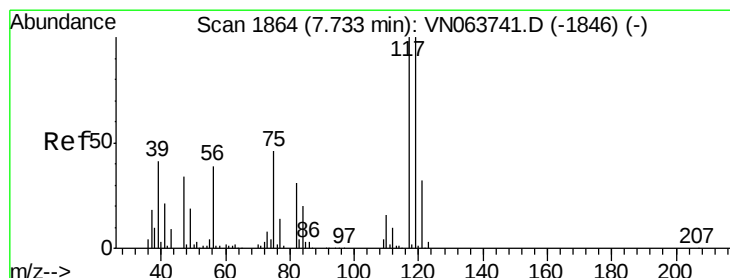
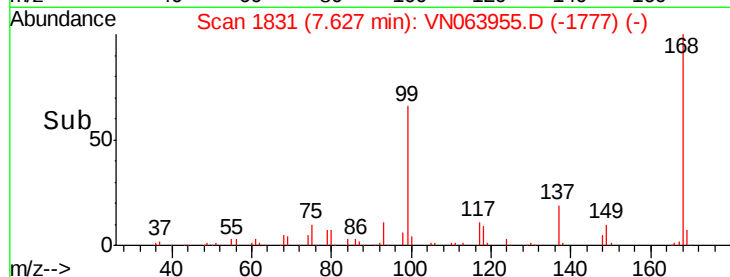
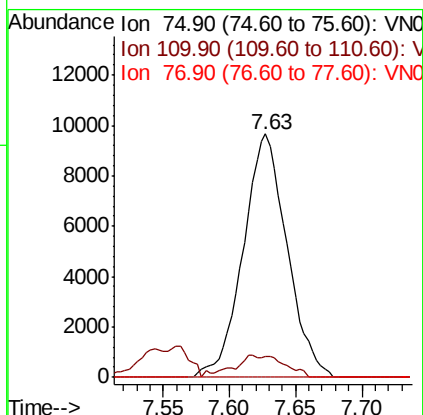
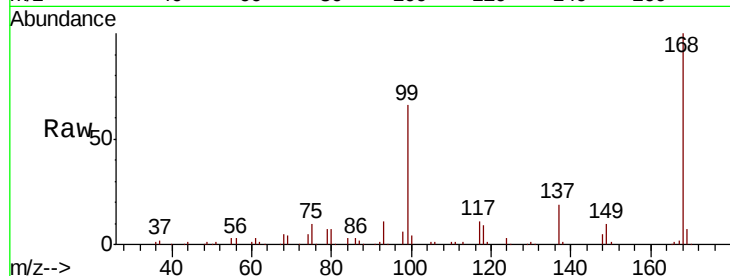




#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063955.D
 Acq: 7 Oct 2020 20:07

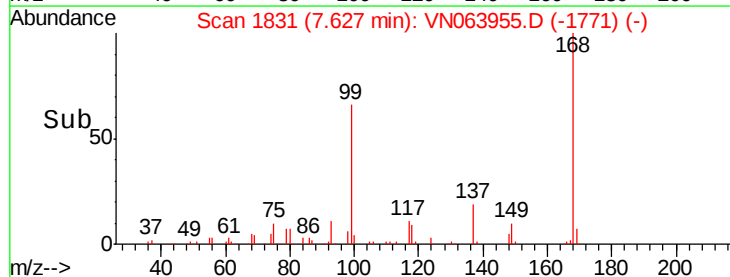
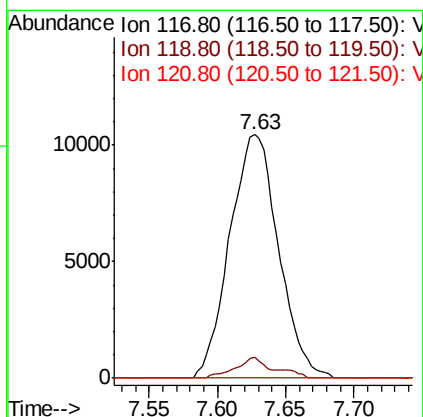
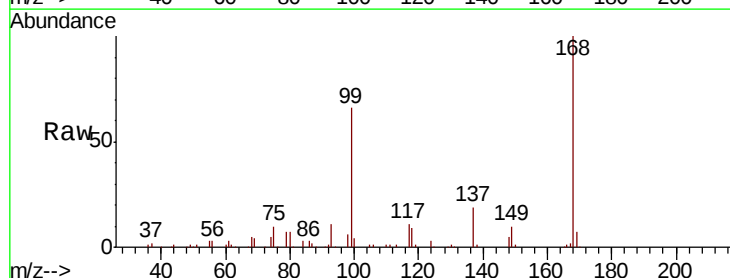
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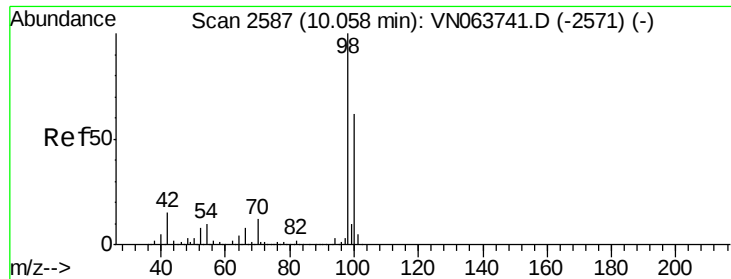
Tot Ion: 75 Resp: 22150
 Ion Ratio Lower Upper
 75 100
 110 3.1 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.424 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063955.D
 Acq: 7 Oct 2020 20:07

Tgt Ion: 117 Resp: 25889
 Ion Ratio Lower Upper
 117 100
 119 8.3 80.1 120.1#
 121 0.0 25.7 38.5#

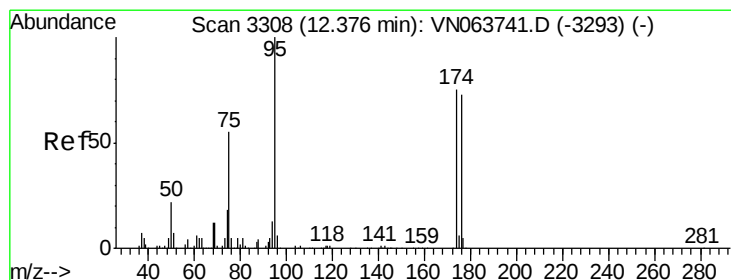
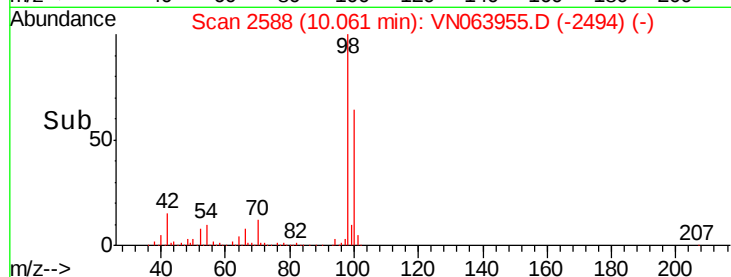
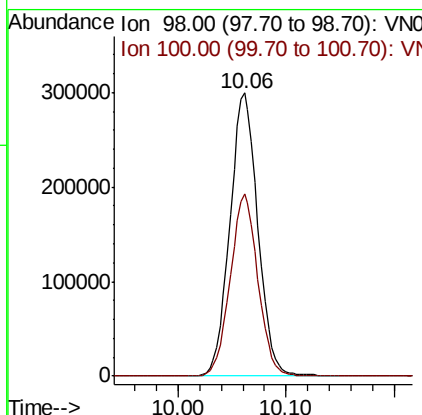
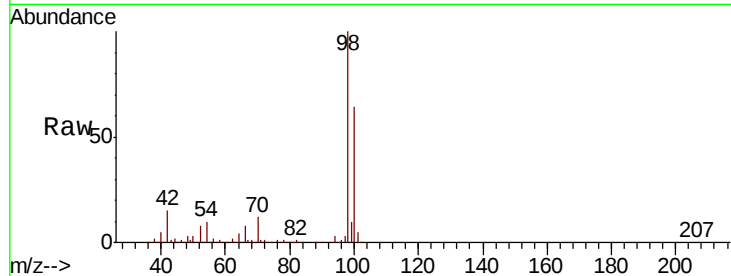




#50
Toluene-d8
Concen: 48.959 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

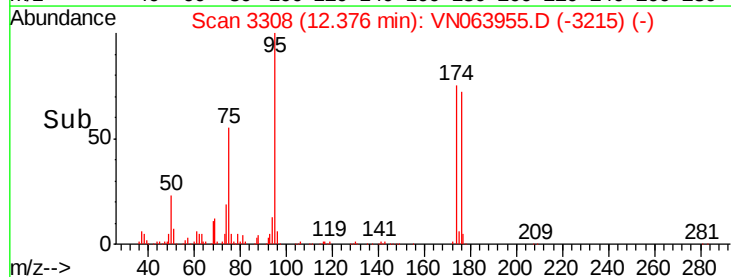
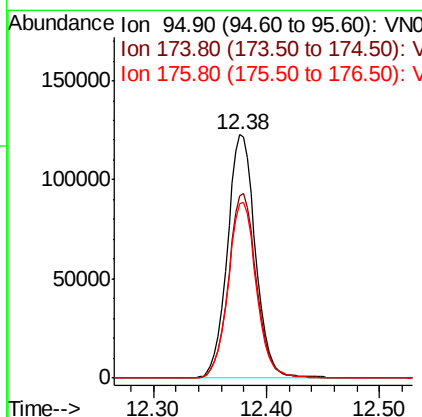
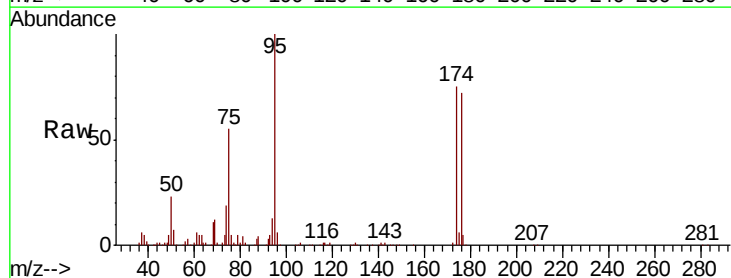
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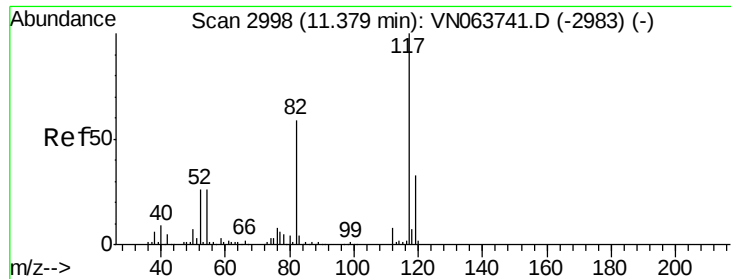
Tot Ion: 98 Resp: 541045
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.6



#62
4-Bromofluorobenzene
Concen: 50.976 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Tgt Ion: 95 Resp: 211761
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.6
176 72.4 0.0 145.4

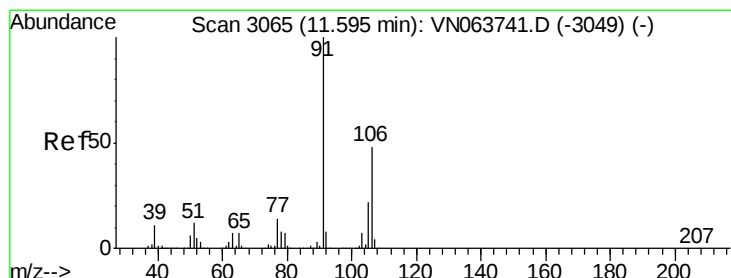
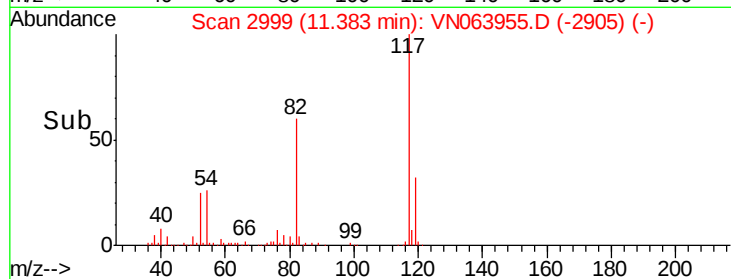
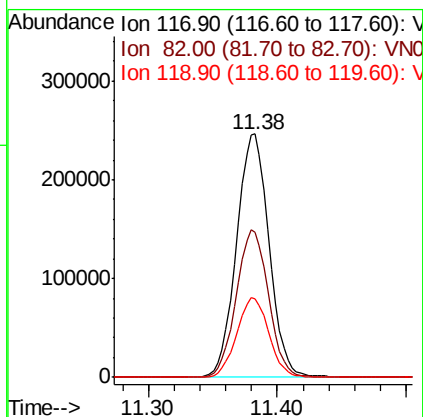
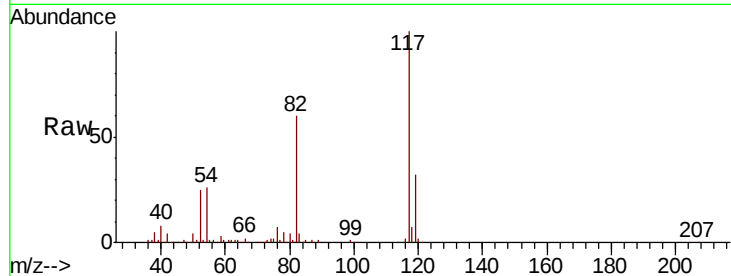




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

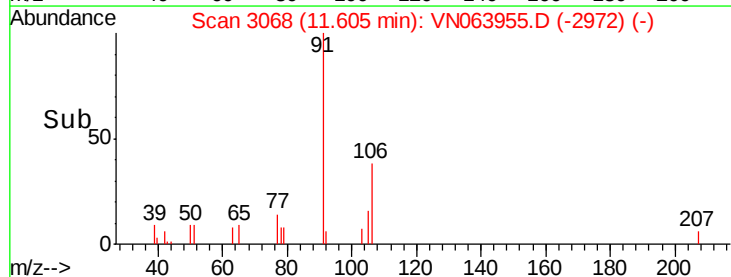
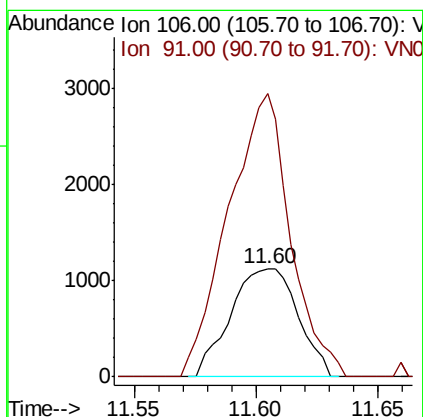
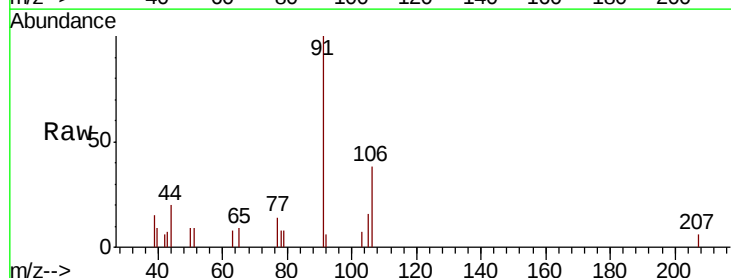
Instrument :
MSVOA_N
ClientSampleId :
10-6-HSFRAC

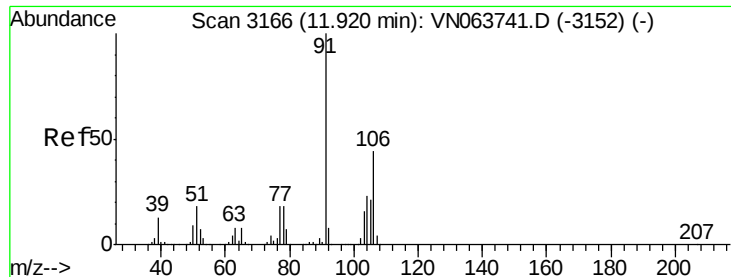
Tot Ion:117 Resp: 433496
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.5 26.4 39.6



#68
m/p-Xylenes
Concen: 0.358 ug/l
RT: 11.60 min Scan# 3068
Delta R.T. 0.01 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Tgt Ion:106 Resp: 2160
Ion Ratio Lower Upper
106 100
91 239.8 168.0 252.0

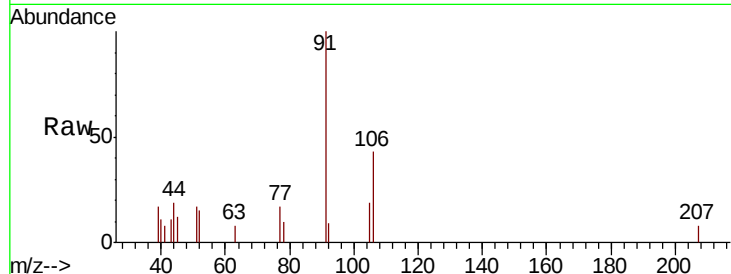




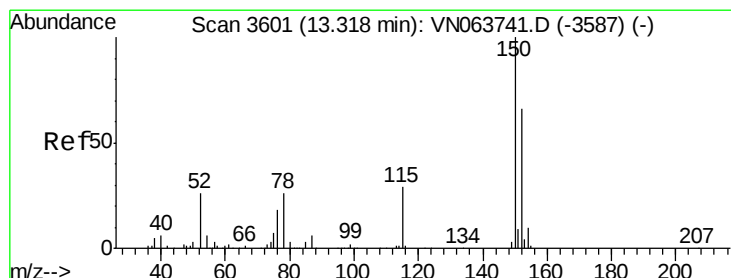
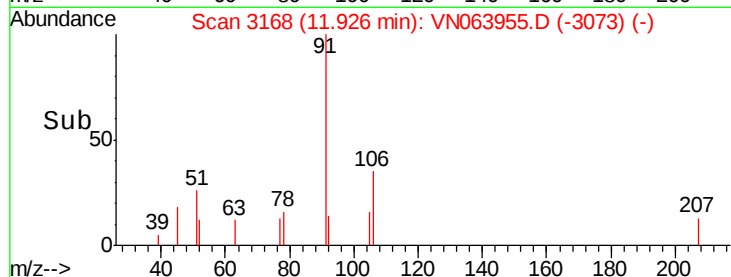
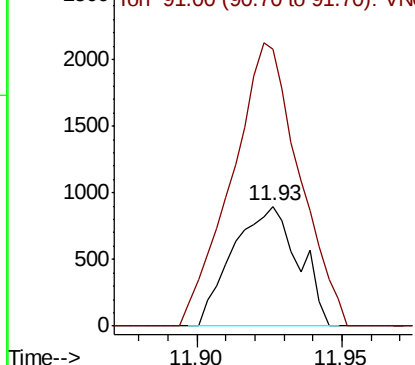
#69
o-Xylene
Concen: 0.250 ug/l
RT: 11.93 min Scan# 3168
Delta R.T. 0.01 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
10-6-HSFRAC

Tot Ion:106 Resp: 1411
Ion Ratio Lower Upper
106 100
91 243.3 112.7 338.0

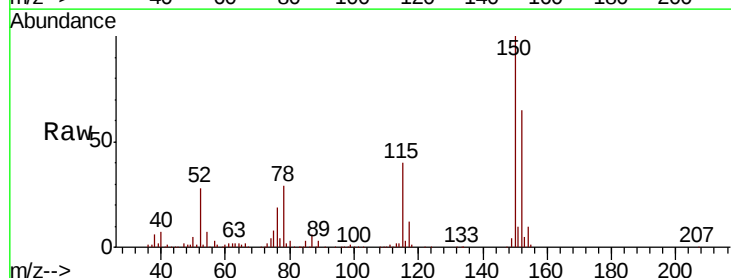


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

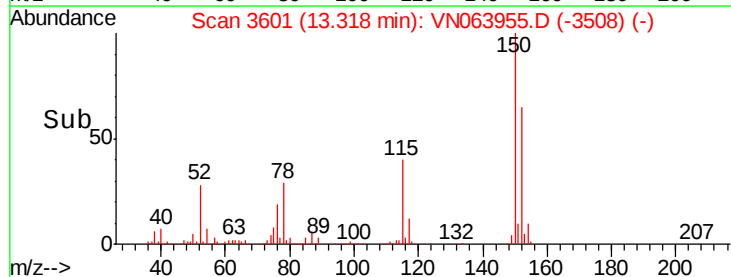
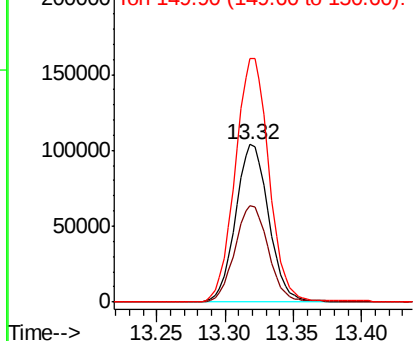


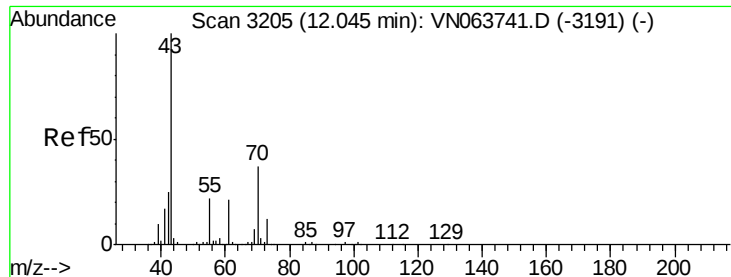
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063955.D
Acq: 7 Oct 2020 20:07

Tgt Ion:152 Resp: 175548
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 157.3 0.0 341.8



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





#74

N-amvl acetate

Concen: 2.296 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN063955.D

Acq: 7 Oct 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

10-6-HSFRAC

Tot Ion: 43 Resp: 496

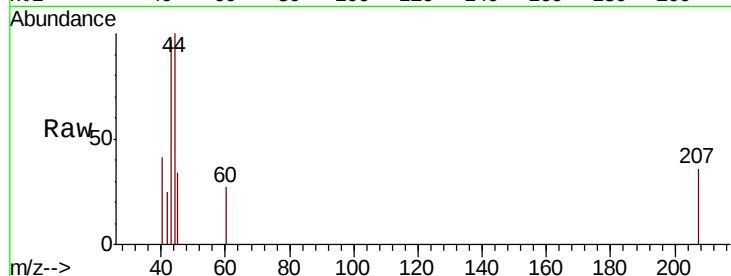
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

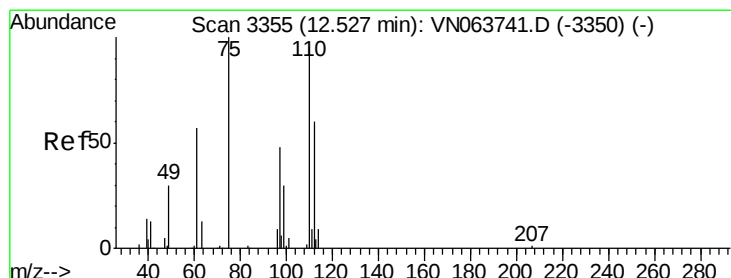
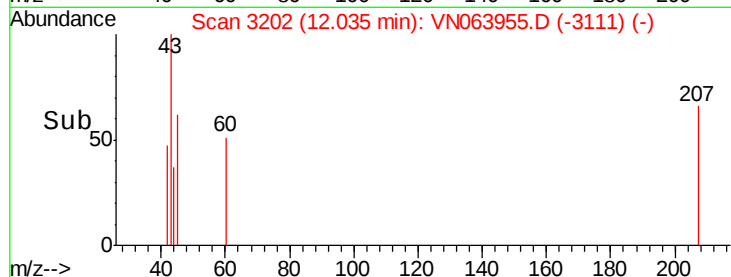
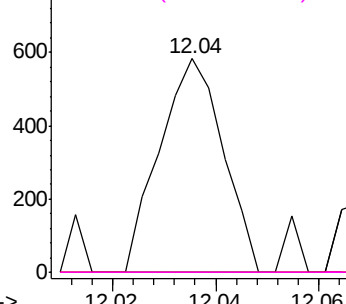


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.817 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063955.D

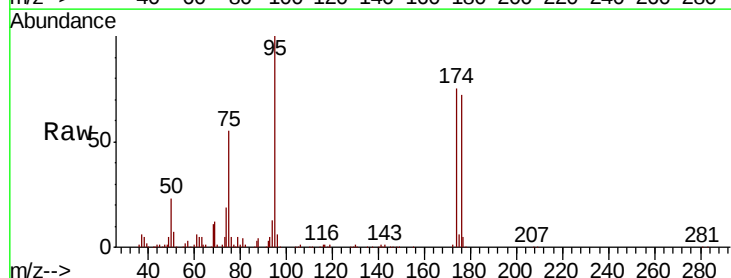
Acq: 7 Oct 2020 20:07

Tgt Ion: 75 Resp: 115386

Ion Ratio Lower Upper

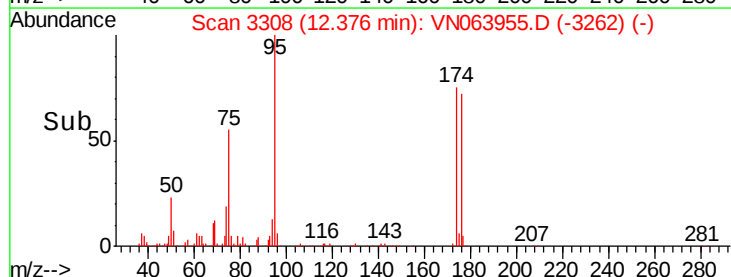
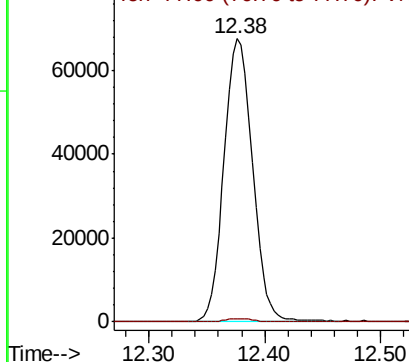
75 100

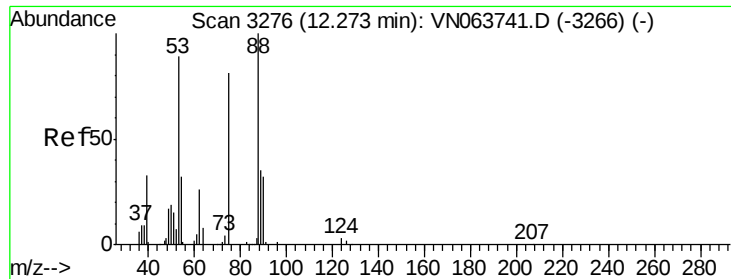
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 85.878 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063955.D

Acq: 7 Oct 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

10-6-HSFRAC

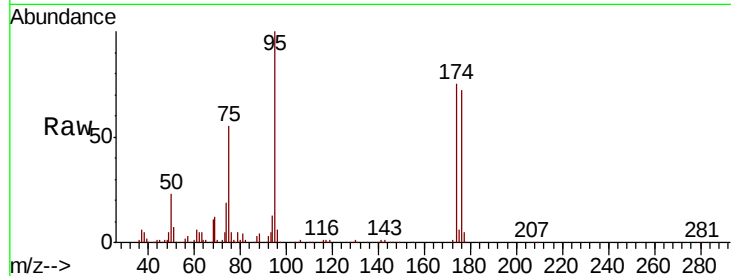
Tot Ion: 75 Resp: 115386

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

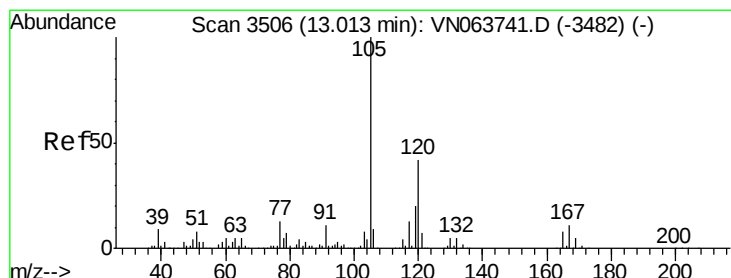
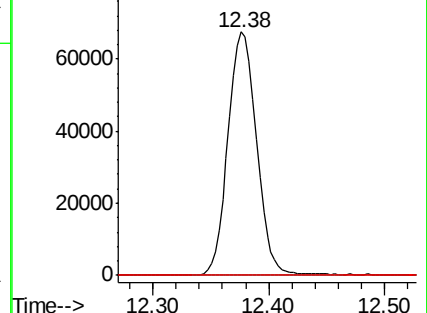
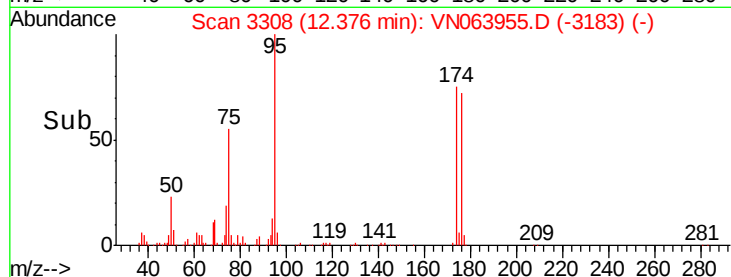
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063955.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN063955.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN063955.D (-3183) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.320 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063955.D

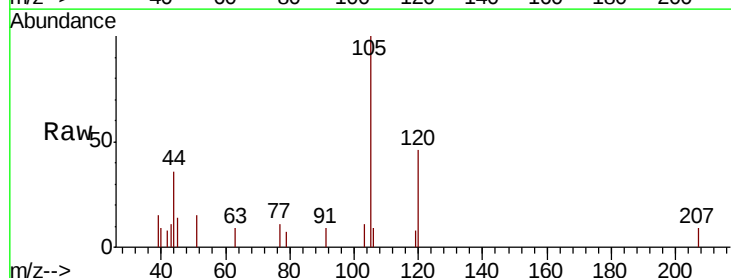
Acq: 7 Oct 2020 20:07

Tgt Ion: 105 Resp: 3429

Ion Ratio Lower Upper

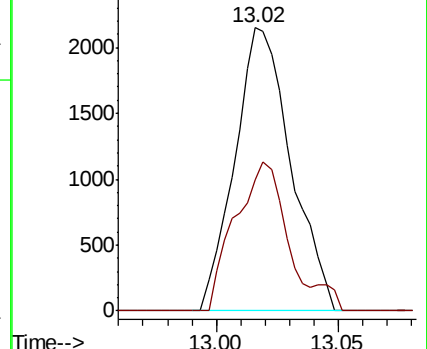
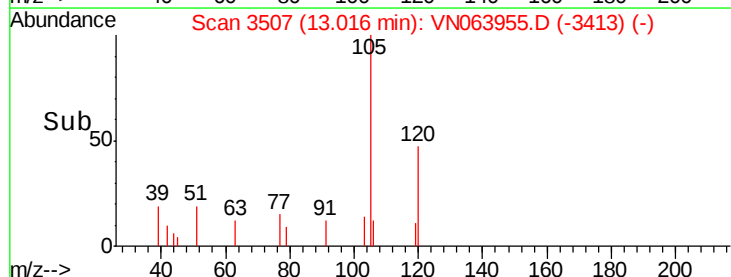
105 100

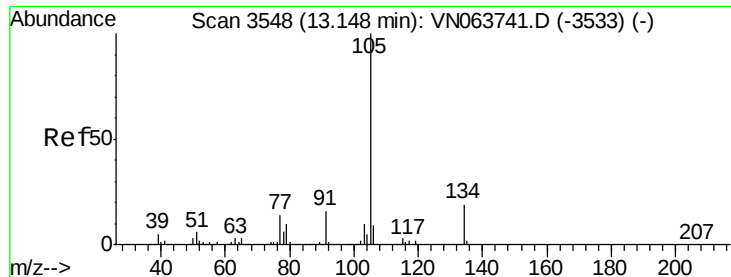
120 50.6 20.9 62.7



Abundance Ion 105.00 (104.70 to 105.70): VN063955.D (-3413) (-)

Ion 120.00 (119.70 to 120.70): VN063955.D (-3413) (-)

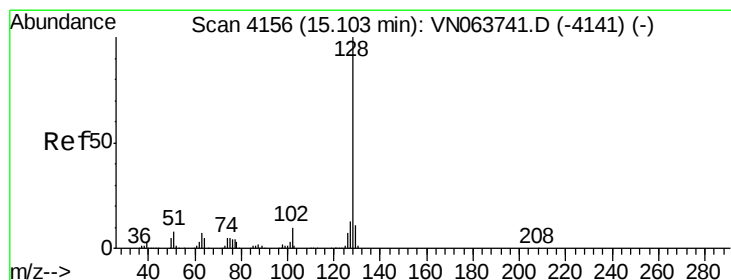
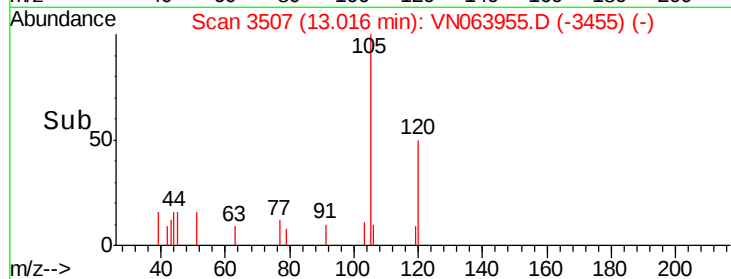
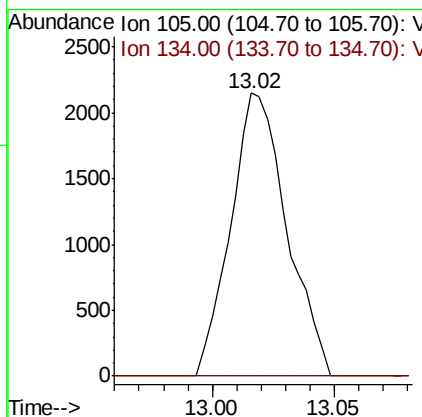
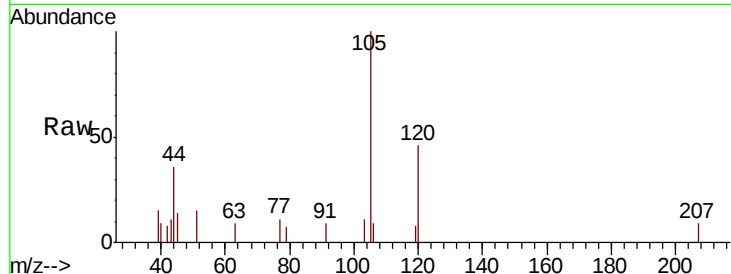




#85
 sec-Butylbenzene
 Concen: 0.297 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.13 min
 Lab File: VN063955.D
 Acq: 7 Oct 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 10-6-HSFRAC

Tot Ion:105 Resp: 3429
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#



#95
 Naphthalene
 Concen: 1.969 ug/l
 RT: 15.10 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN063955.D
 Acq: 7 Oct 2020 20:07

Tgt Ion:128 Resp: 444
 Ion Ratio Lower Upper
 128 100
 127 7.0 10.5 15.7#
 129 0.0 8.7 13.1#

