

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060235.D
 Acq On : 25 Feb 2020 15:36
 Operator : JC/MD
 Sample : PB127055ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 22:20:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	177885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	281231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	266320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121000	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	105075	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	7.57	113	83721	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	10.08	98	339763	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	124191	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

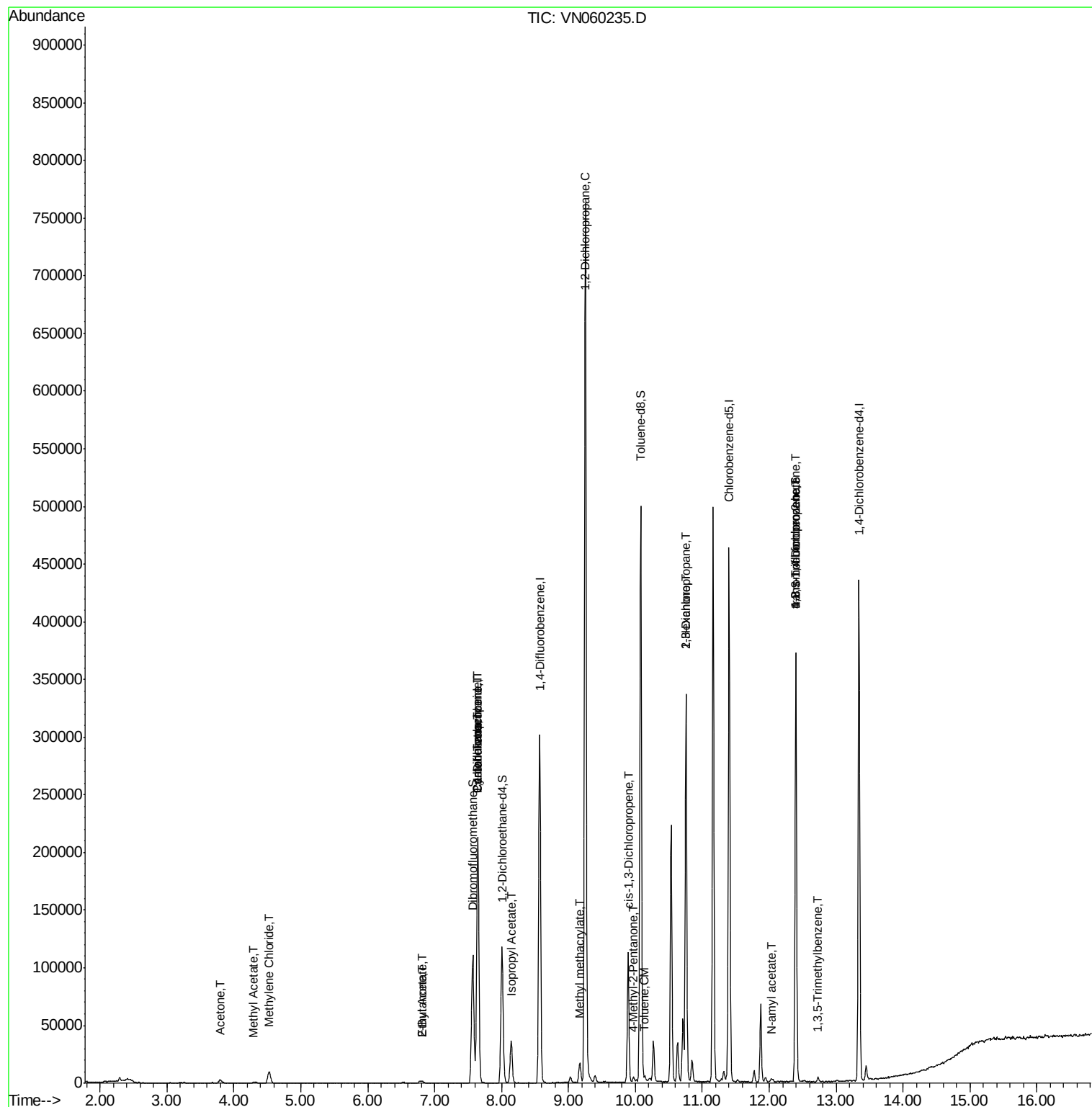
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5719	6.057	ug/l	97
18) Methyl Acetate	4.29	43	659	0.372	ug/l #	50
20) Methylene Chloride	4.53	84	8512	4.519	ug/l	94
25) 2-Butanone	6.82	43	2228	1.876	ug/l	95
31) Cyclohexane	7.64	56	3639	1.189	ug/l #	9
36) 1,1-Dichloropropene	7.65	75	12732	4.888	ug/l #	48
37) Ethyl Acetate	6.82	43	2228	0.946	ug/l #	68
38) Carbon Tetrachloride	7.64	117	17071	6.034	ug/l #	15
43) Isopropyl Acetate	8.14	43	43623	10.840	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	922	0.482	ug/l #	43
48) Methyl methacrylate	9.16	41	2474	1.370	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2358	1.012	ug/l	99
52) Toluene	10.14	92	2025	0.409	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	20865	6.387	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3559	1.116	ug/l #	43
59) 2-Hexanone	10.75	43	49585	27.557	ug/l #	52
74) N-amyl acetate	12.02	43	2599	0.798	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	64342	27.794	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2556	0.340	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	64342	68.053	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.35	75	62	Below Cal	#	1

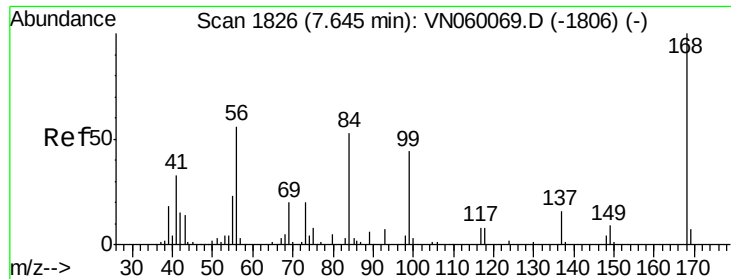
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060235.D

Acq: 25 Feb 2020 15:36

Instrument :

MSVOA_N

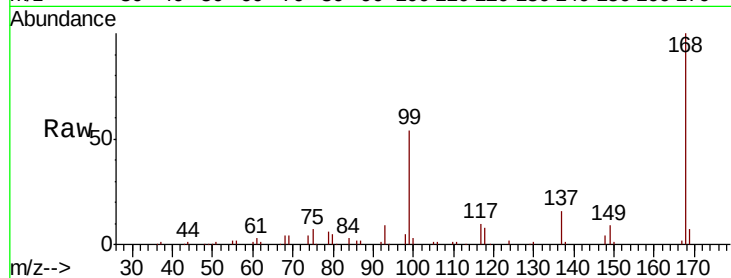
ClientSampleId :

Tot Ion:168 Resp: 177885

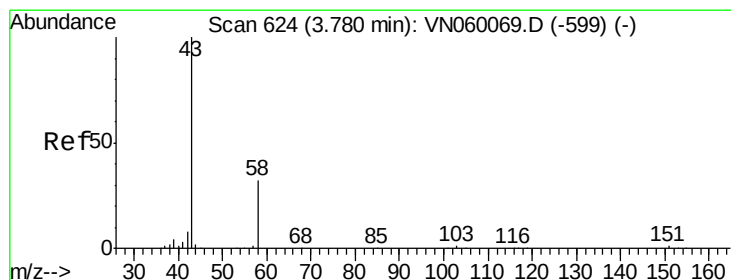
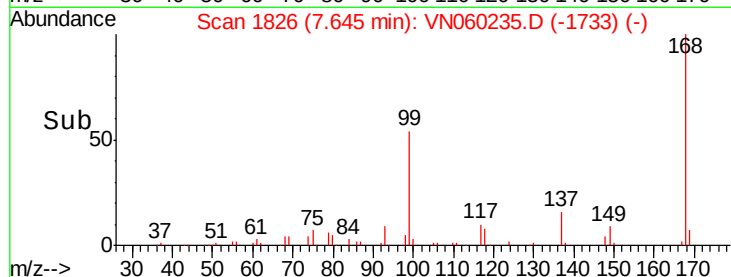
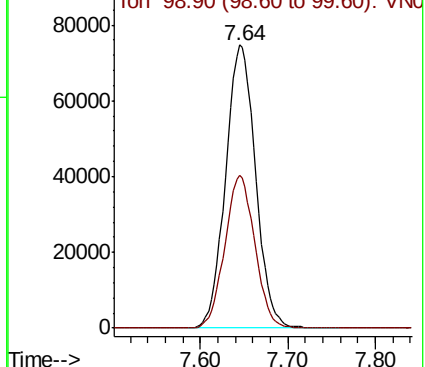
Ion Ratio Lower Upper

168 100

99 54.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060235.D (-1733) (-)



#16

Acetone

Concen: 6.057 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060235.D

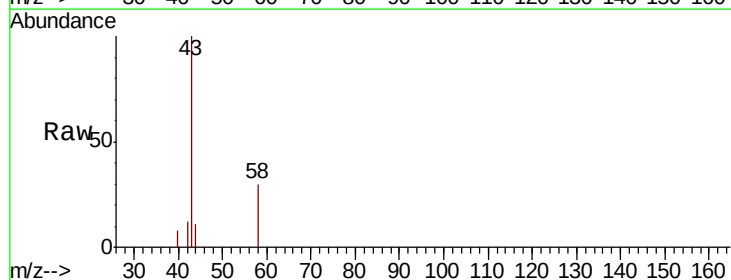
Acq: 25 Feb 2020 15:36

Tgt Ion: 43 Resp: 5719

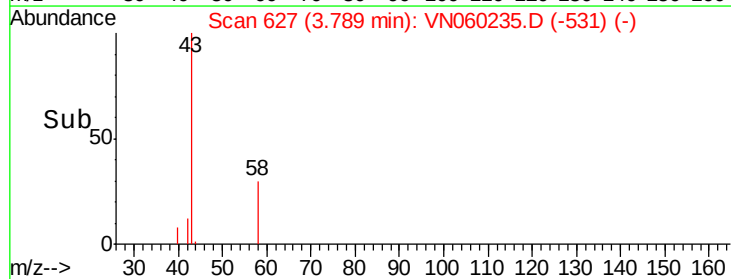
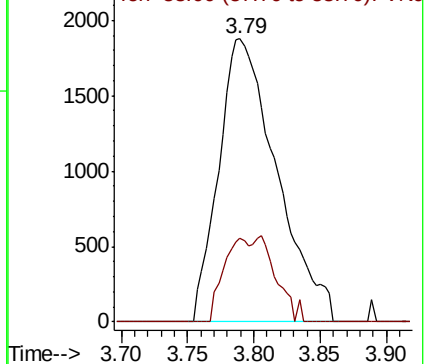
Ion Ratio Lower Upper

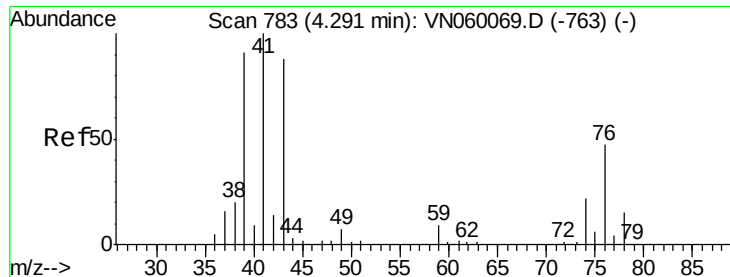
43 100

58 29.6 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060235.D (-531) (-)

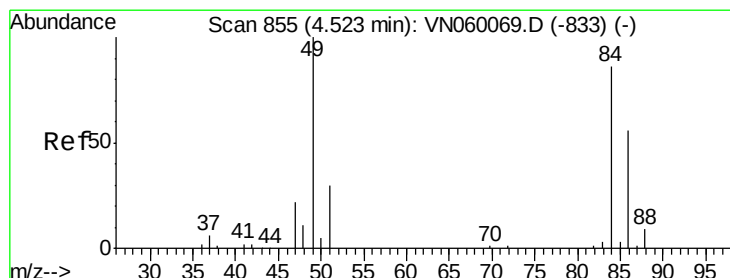
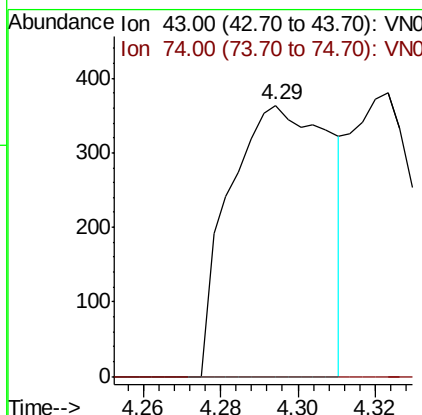
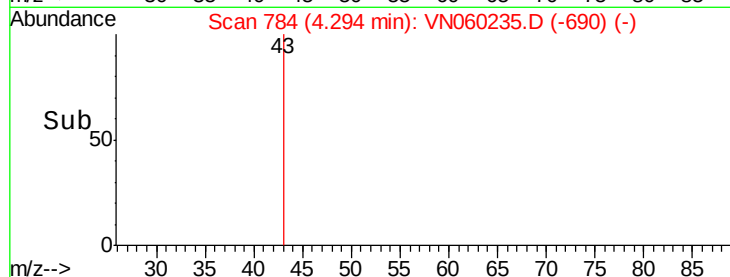
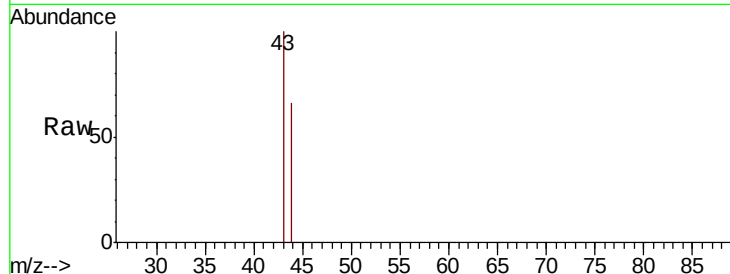




#18
Methvl Acetate
Concen: 0.372 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

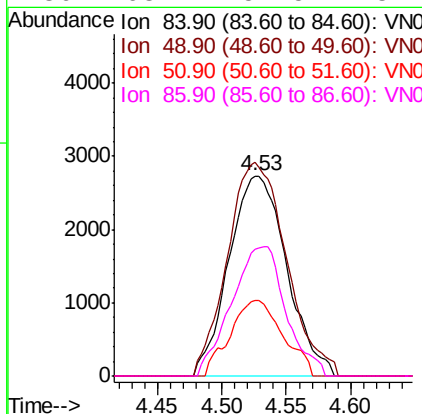
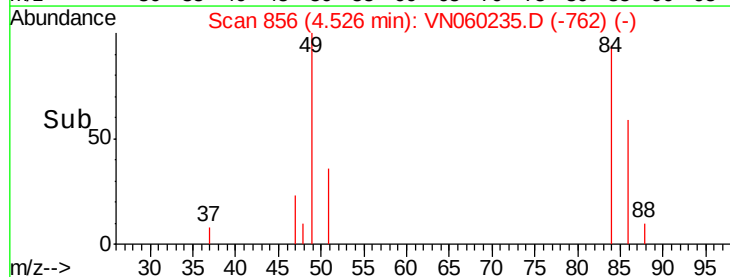
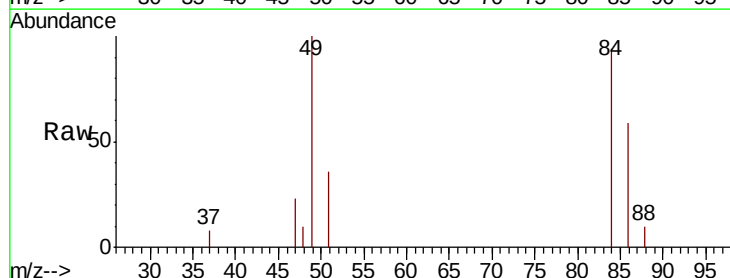
Instrument :
MSVOA_N
ClientSampleId :

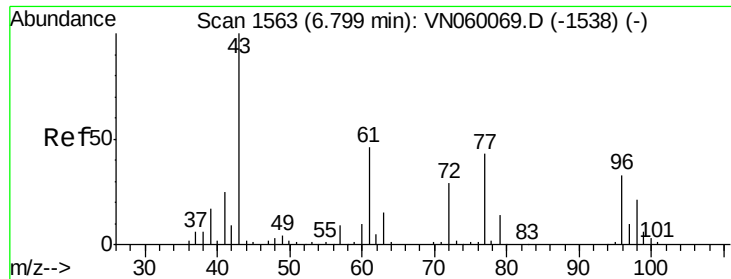
Tot Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 4.519 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

Tgt Ion: 84 Resp: 8512
Ion Ratio Lower Upper
84 100
49 106.7 93.4 140.0
51 38.0 28.4 42.6
86 63.4 52.5 78.7

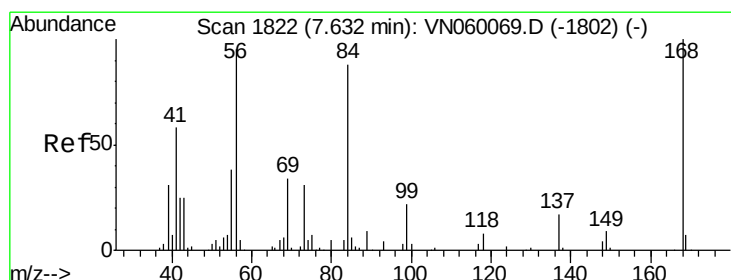
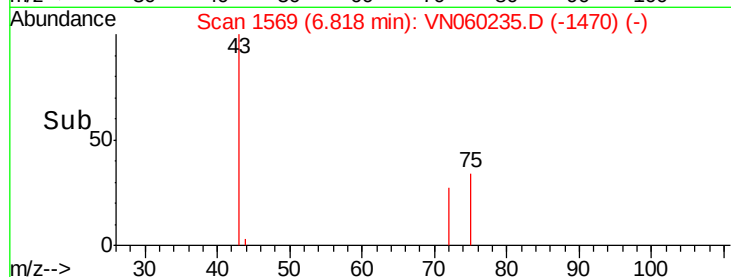
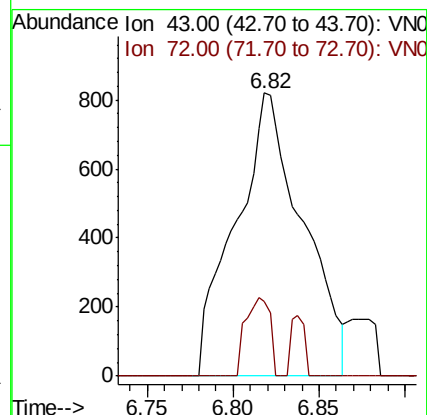
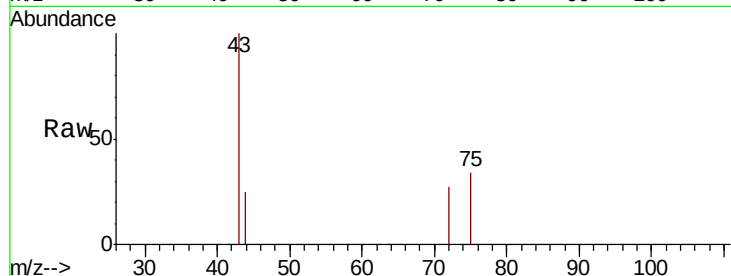




#25
2-Butanone
Concen: 1.876 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

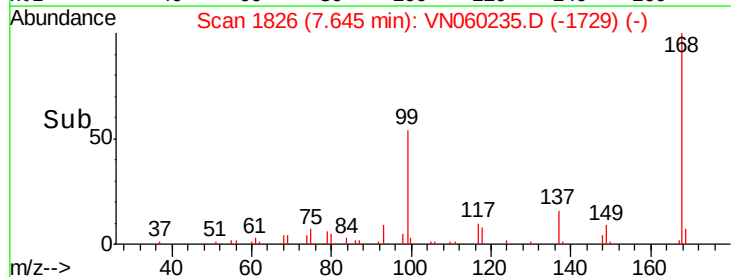
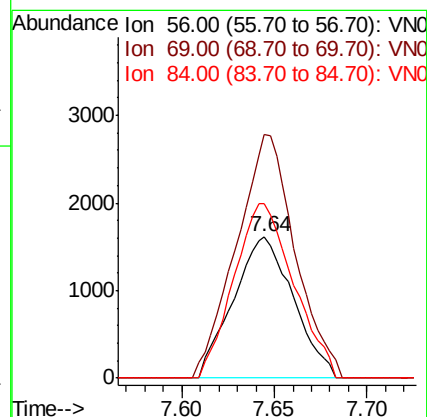
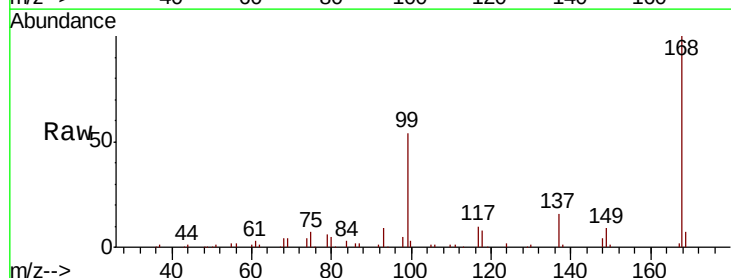
Instrument :
MSVOA_N
ClientSampleId :

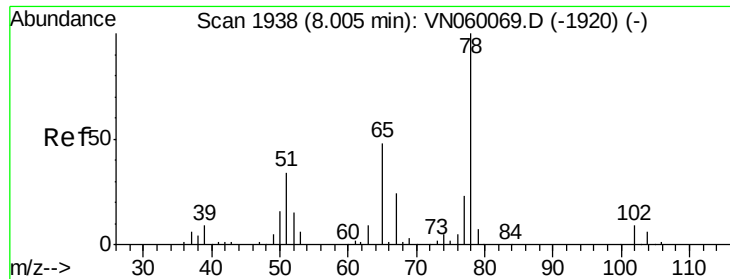
Tot Ion: 43 Resp: 2228
Ion Ratio Lower Upper
43 100
72 26.6 23.3 34.9



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

Tgt Ion: 56 Resp: 3639
Ion Ratio Lower Upper
56 100
69 172.1 28.3 42.5#
84 123.7 72.6 108.8#

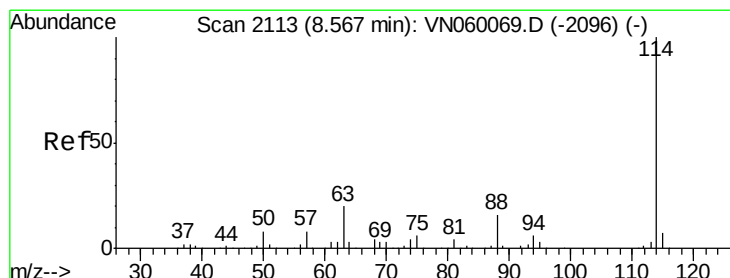
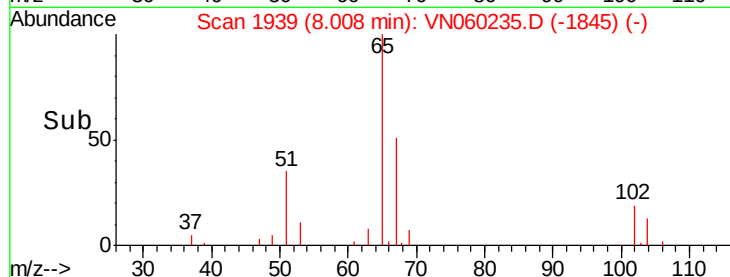
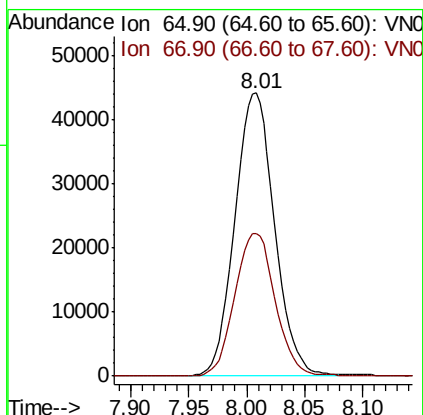
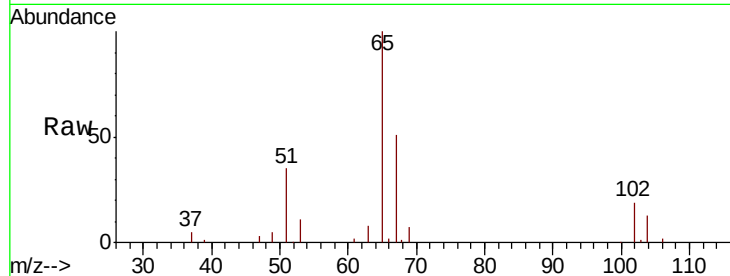




#33
 1,2-Dichloroethane-d4
 Concen: 48.543 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN060235.D
 Acq: 25 Feb 2020 15:36

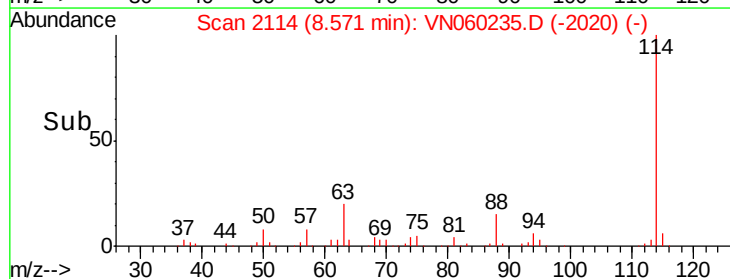
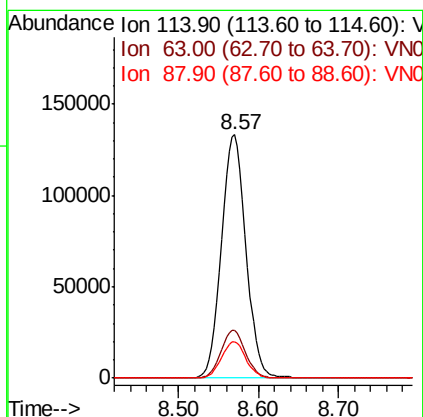
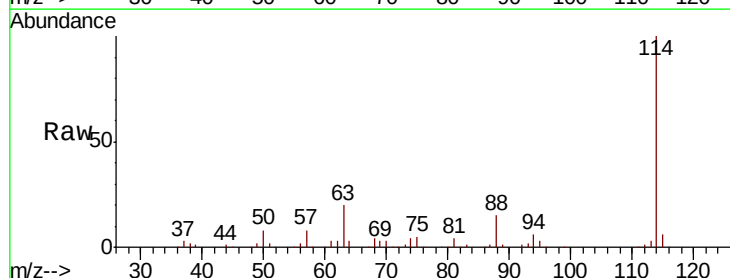
Instrument :
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 ClientSampleId :

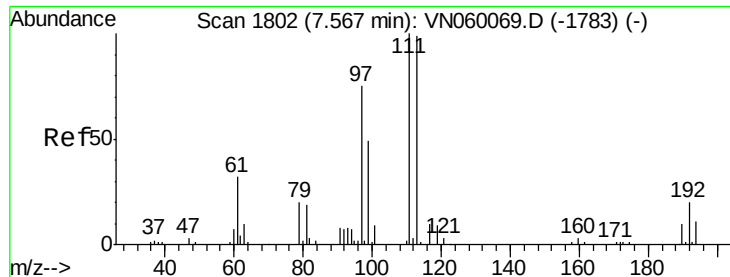
Tot Ion: 65 Resp: 105075
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN060235.D
 Acq: 25 Feb 2020 15:36

Tgt Ion: 114 Resp: 281231
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 14.9 0.0 31.6

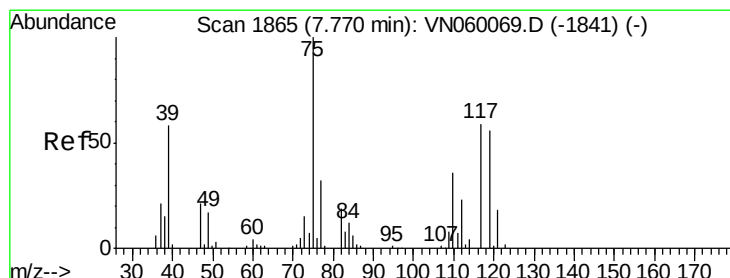
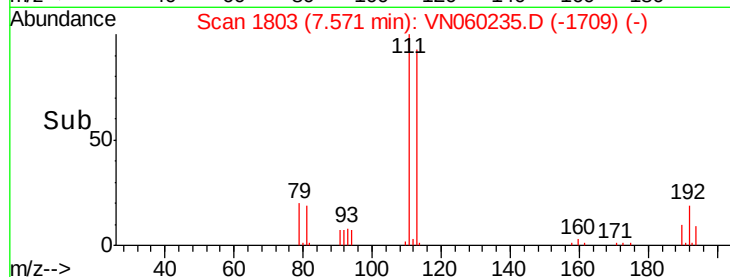
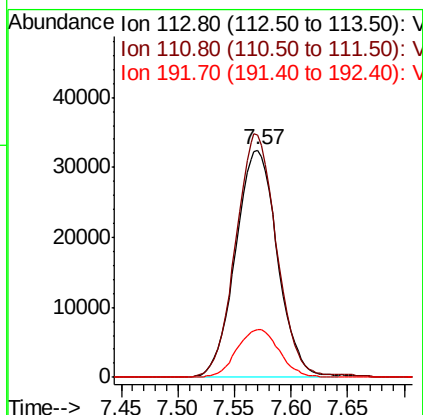
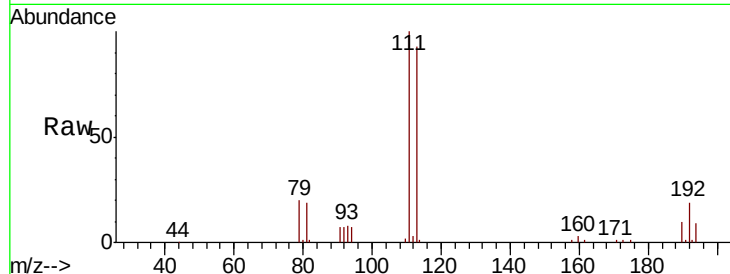




#35
 Dibromofluoromethane
 Concen: 48.429 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN060235.D
 Acq: 25 Feb 2020 15:36

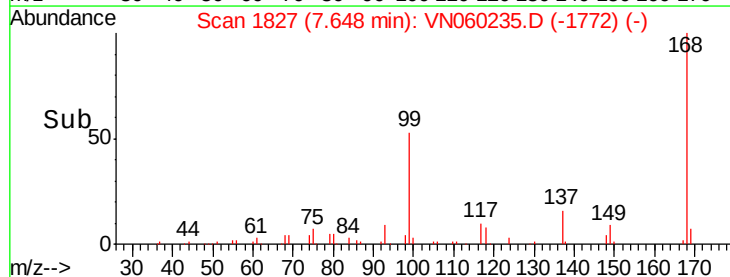
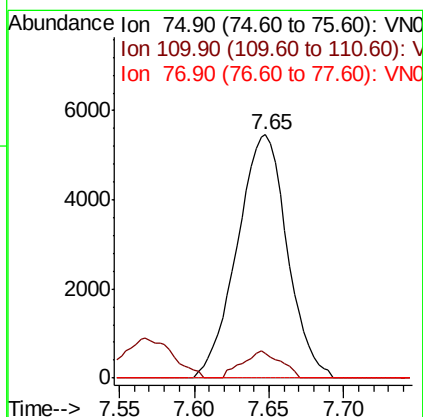
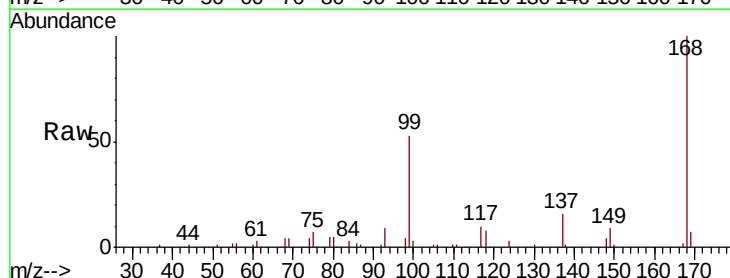
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 MSVOA_N
 ClientSampleId :

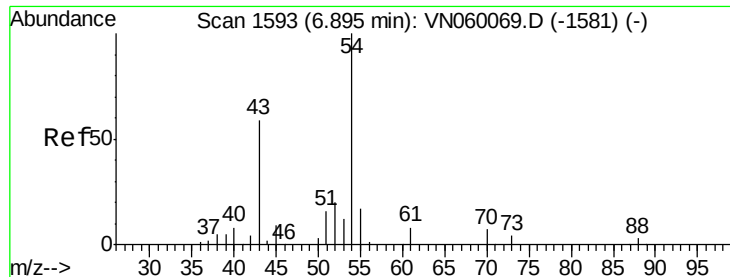
Tot Ion:113 Resp: 83721
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.4 122.2
 192 21.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.12 min
 Lab File: VN060235.D
 Acq: 25 Feb 2020 15:36

Tgt Ion: 75 Resp: 12732
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.3#
 77 0.0 25.1 37.7#

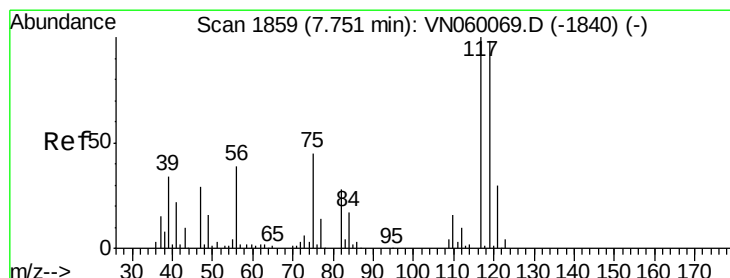
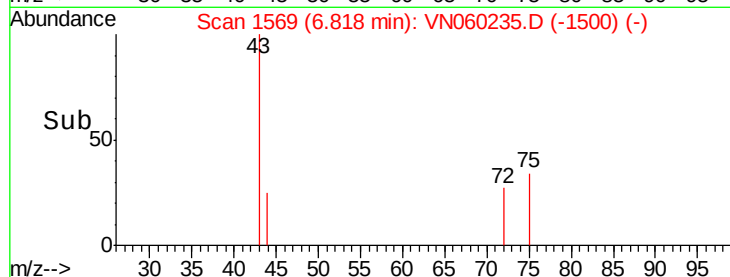
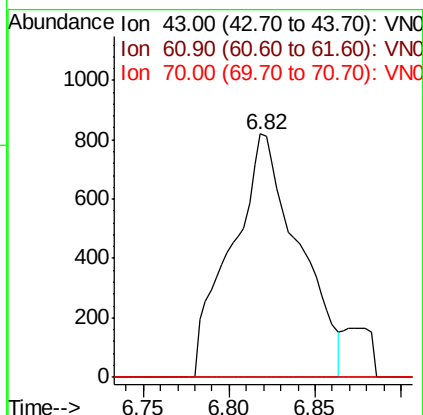
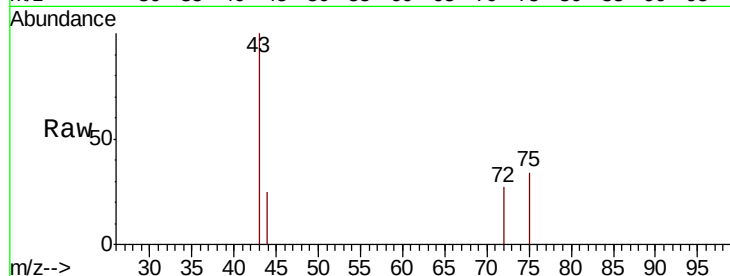




#37
Ethyl Acetate
Concen: 0.946 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.08 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

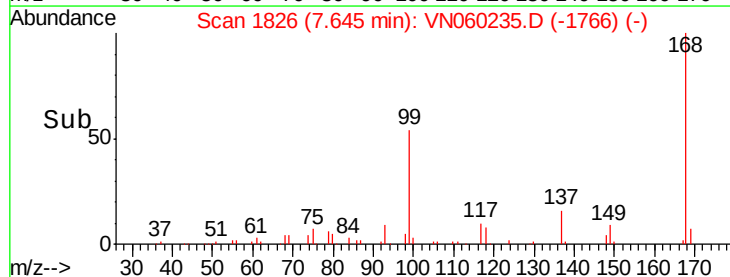
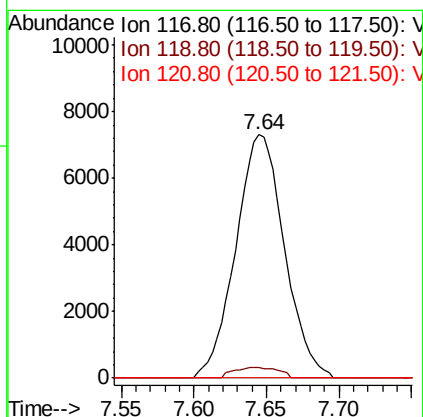
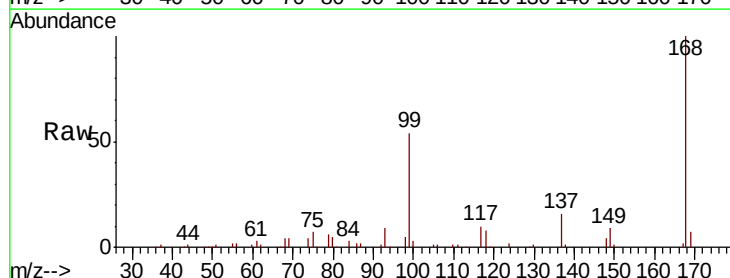
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ClientSampled :

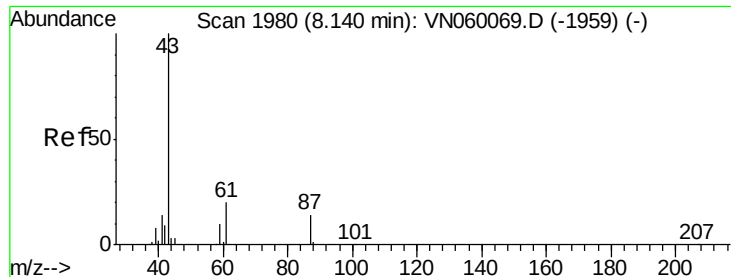
Tot Ion: 43 Resp: 2228
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

Tgt Ion: 117 Resp: 17071
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.4#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 10.840 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060235.D

Acq: 25 Feb 2020 15:36

Instrument :

MSVOA_N

ClientSampled :

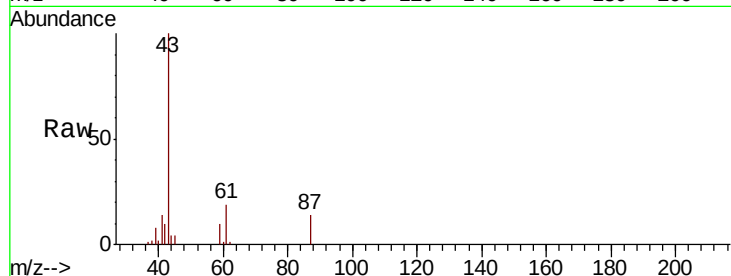
Tot Ion: 43 Resp: 43623

Ion Ratio Lower Upper

43 100

61 19.7 21.8 32.6#

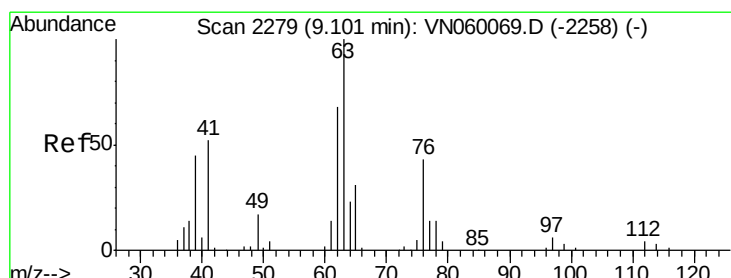
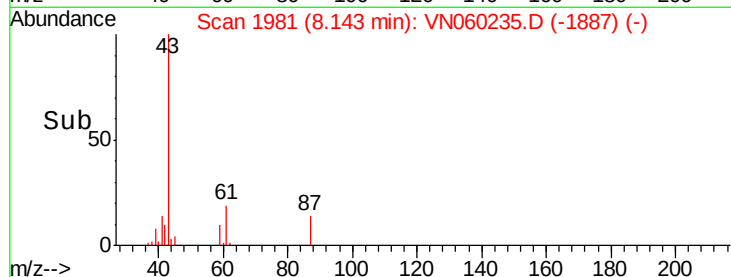
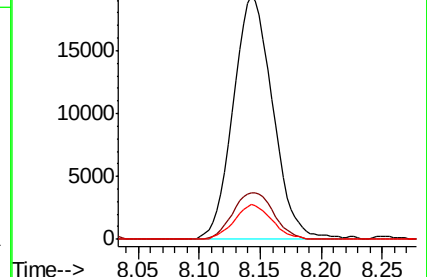
87 13.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.482 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN060235.D

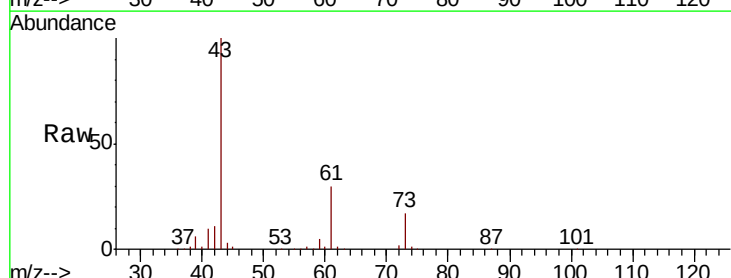
Acq: 25 Feb 2020 15:36

Tgt Ion: 63 Resp: 922

Ion Ratio Lower Upper

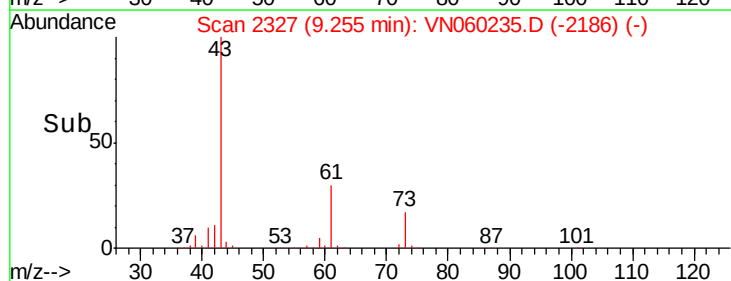
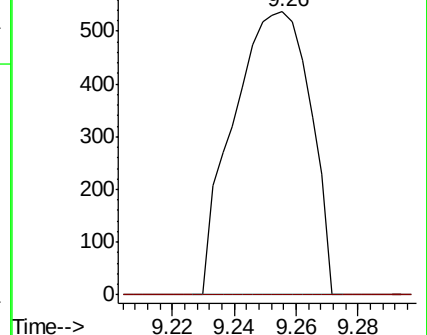
63 100

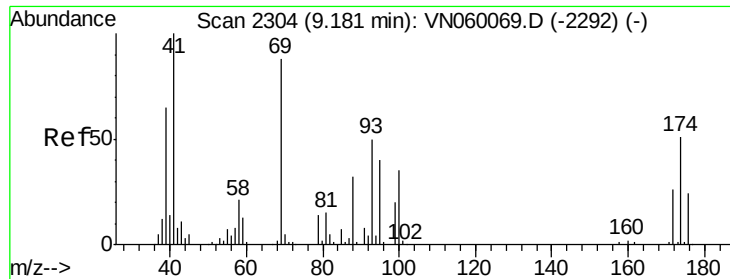
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060069.D (-2258) (-)

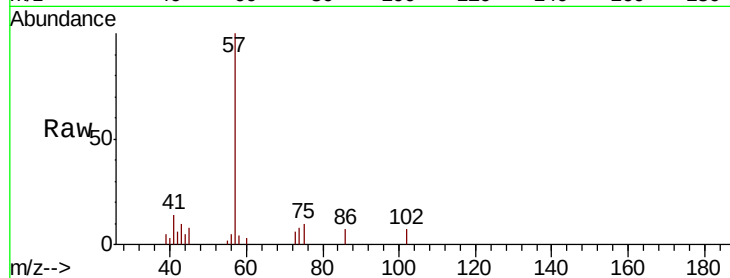




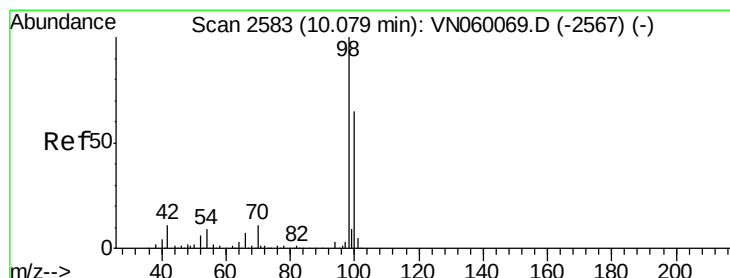
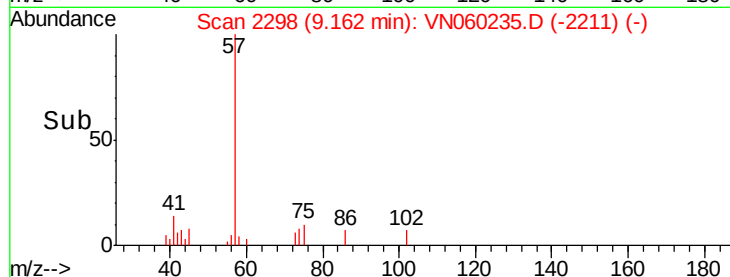
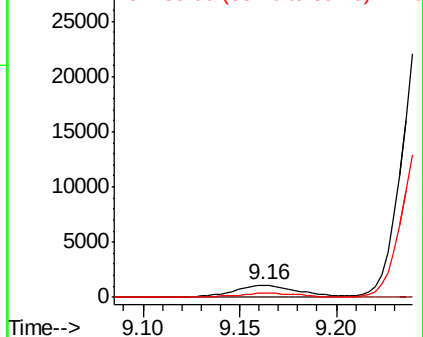
#48
Methyl methacrylate
Concen: 1.370 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2474
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#

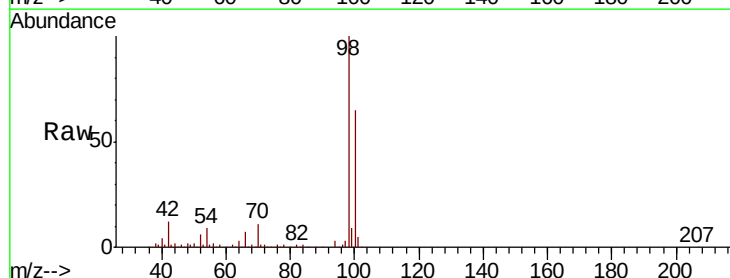


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

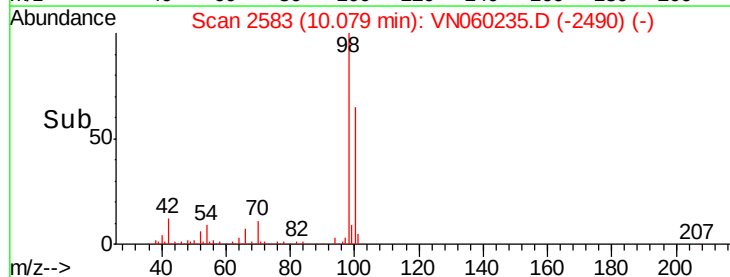
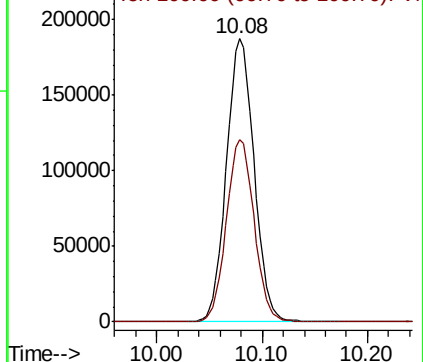


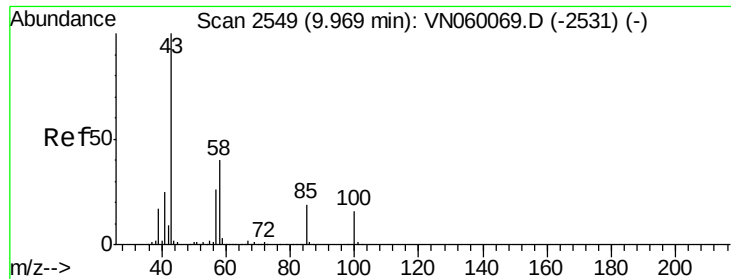
#50
Toluene-d8
Concen: 49.909 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

Tgt Ion: 98 Resp: 339763
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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

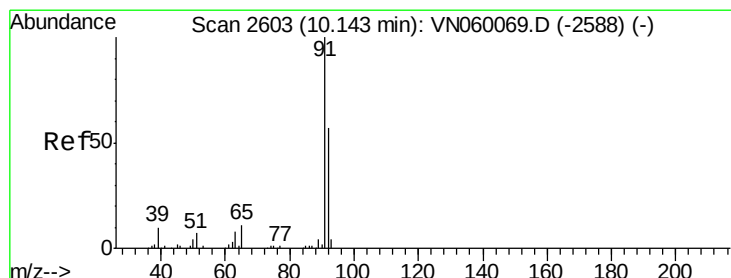
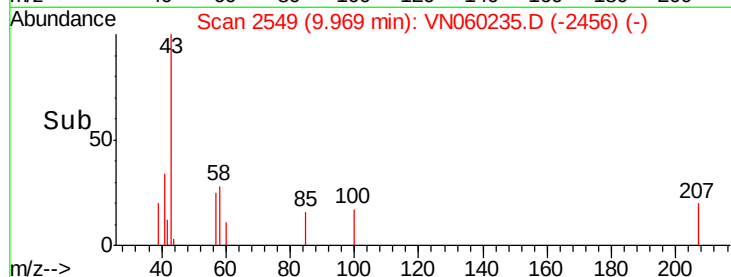
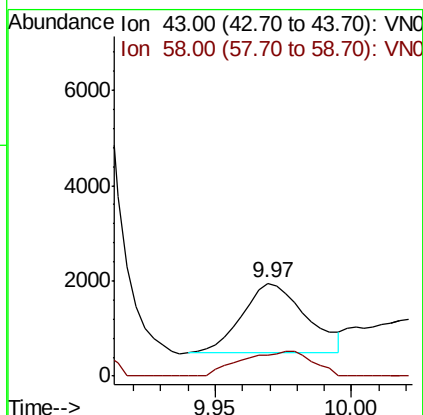
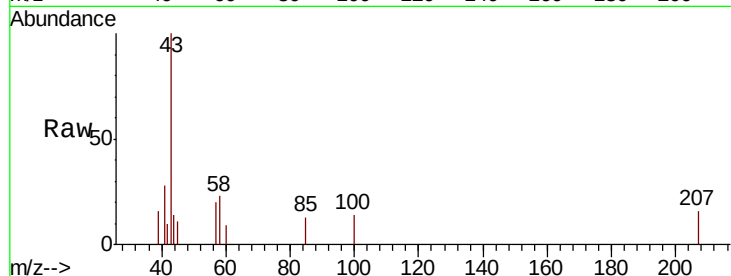




#51
4-Methyl-2-Pentanone
Concen: 1.012 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

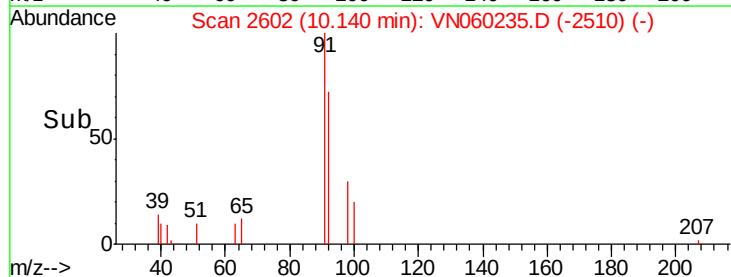
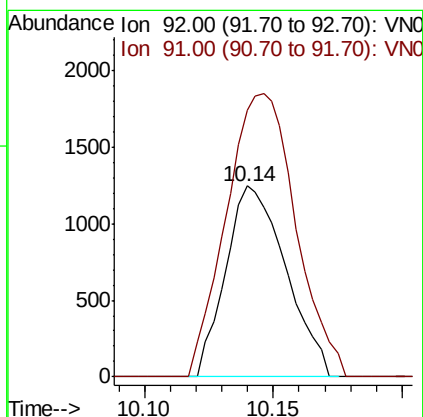
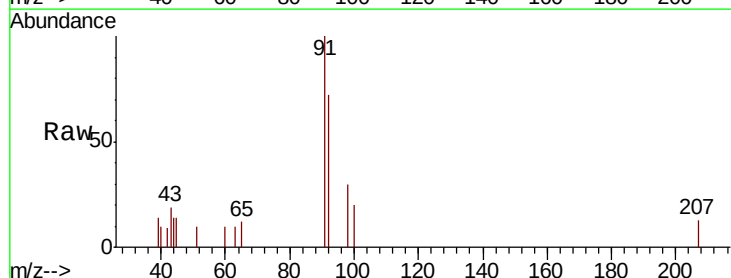
Instrument :
MSVOA_N
ClientSampled :

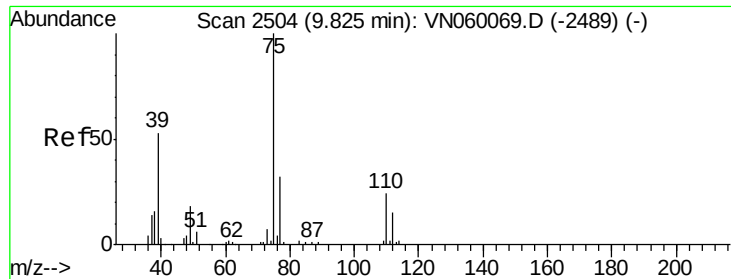
Tot Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
58 40.3 31.8 47.8



#52
Toluene
Concen: 0.409 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

Tgt Ion: 92 Resp: 2025
Ion Ratio Lower Upper
92 100
91 171.5 140.9 211.3





#54

cis-1,3-Dichloropropene

Concen: 6.387 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060235.D

Acq: 25 Feb 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

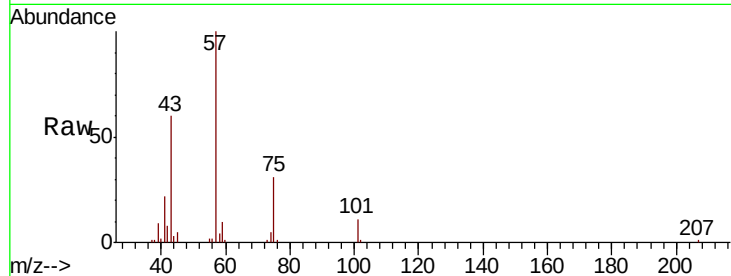
Tot Ion: 75 Resp: 20865

Ion Ratio Lower Upper

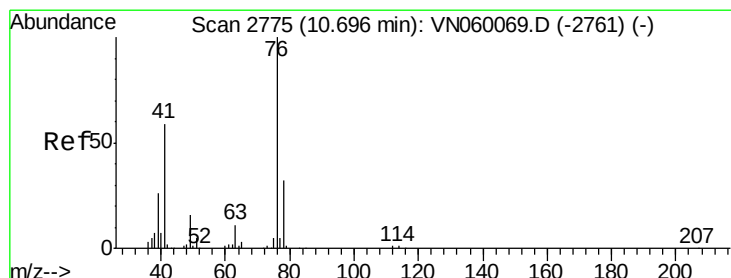
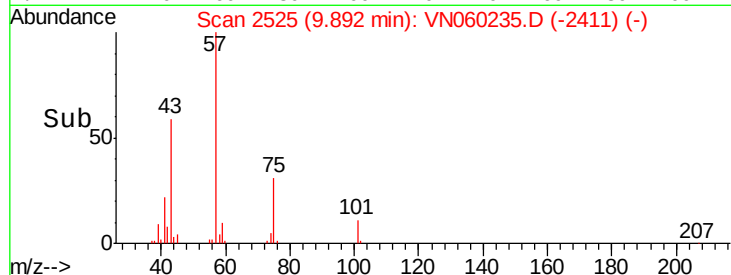
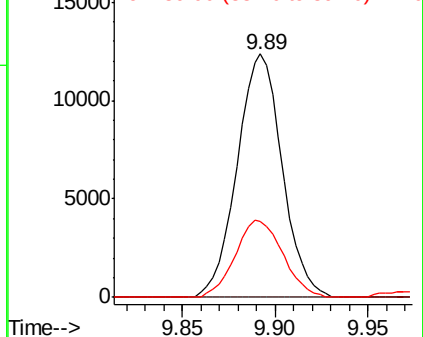
75 100

77 0.0 25.6 38.4#

39 31.0 42.2 63.4#



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: 1.116 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060235.D

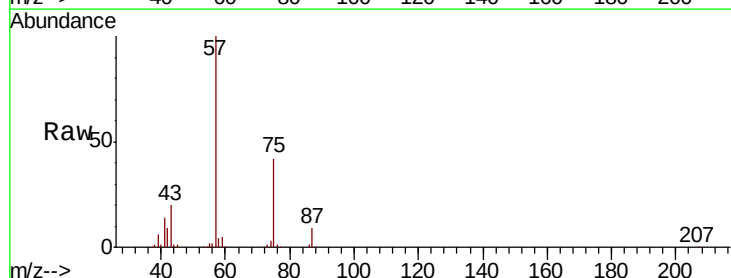
Acq: 25 Feb 2020 15:36

Tgt Ion: 76 Resp: 3559

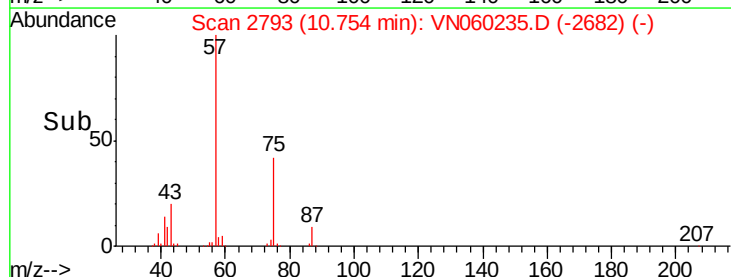
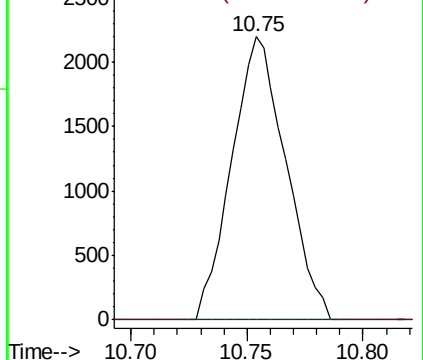
Ion Ratio Lower Upper

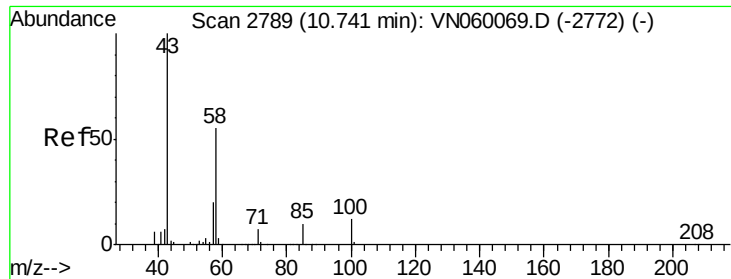
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

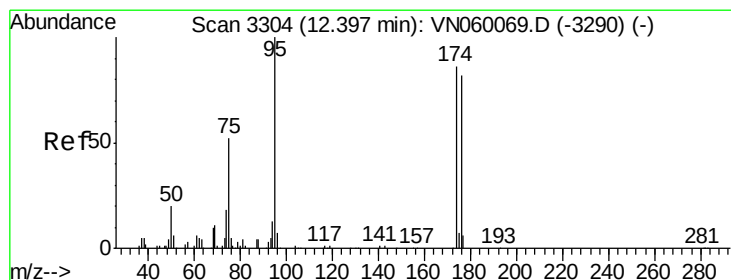
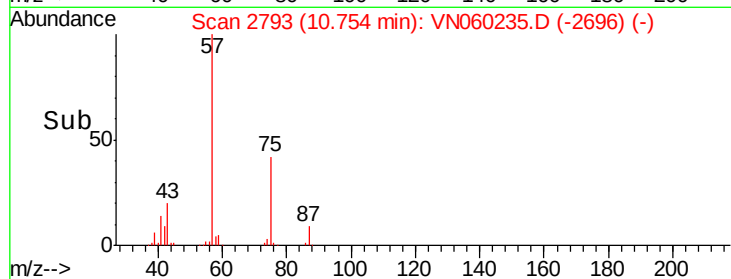
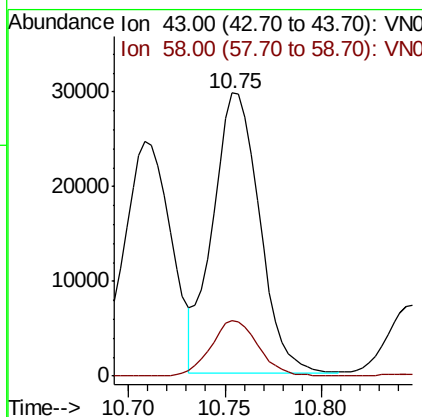
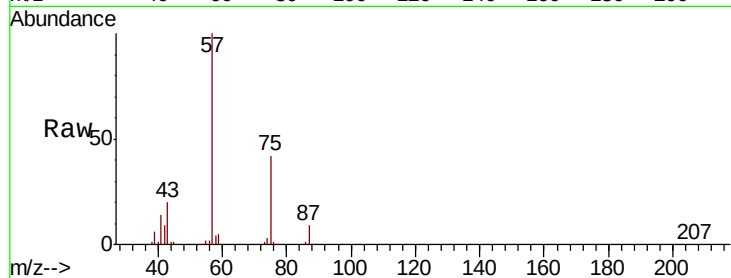




#59
2-Hexanone
Concen: 27.557 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

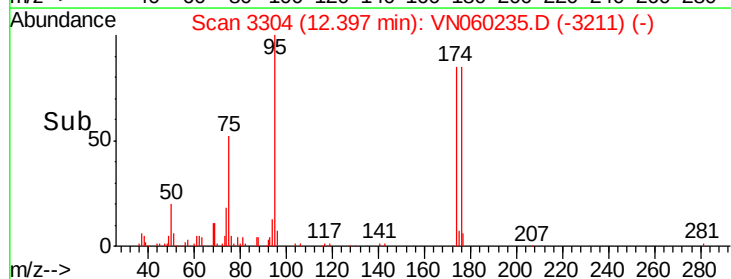
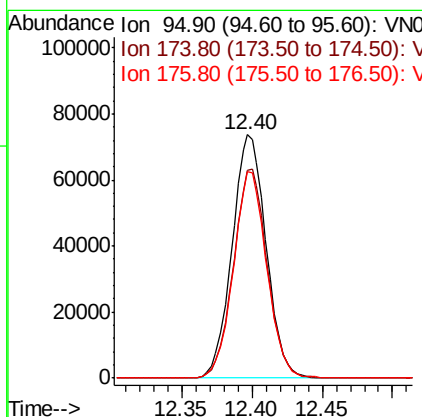
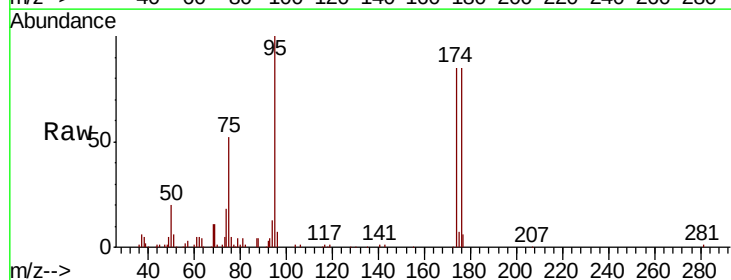
Instrument :
MSVOA_N
ClientSampleId :

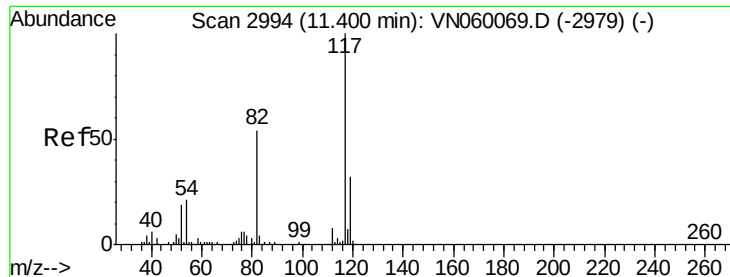
Tot Ion: 43 Resp: 49585
Ion Ratio Lower Upper
43 100
58 20.1 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 49.647 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060235.D
Acq: 25 Feb 2020 15:36

Tgt Ion: 95 Resp: 124191
Ion Ratio Lower Upper
95 100
174 85.1 0.0 169.8
176 83.3 0.0 164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060235.D

Acq: 25 Feb 2020 15:36

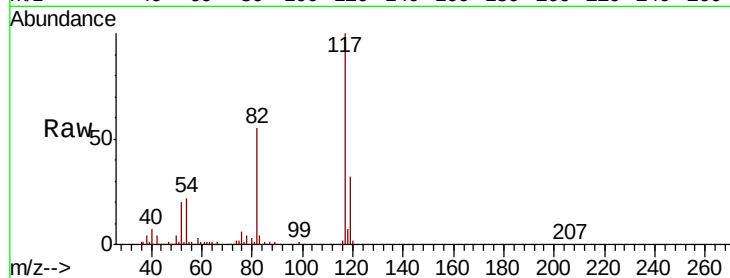
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:117 Resp: 266320

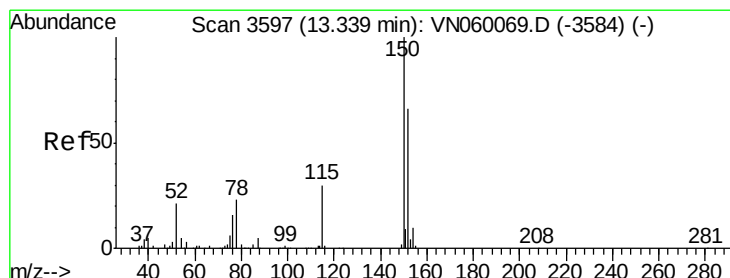
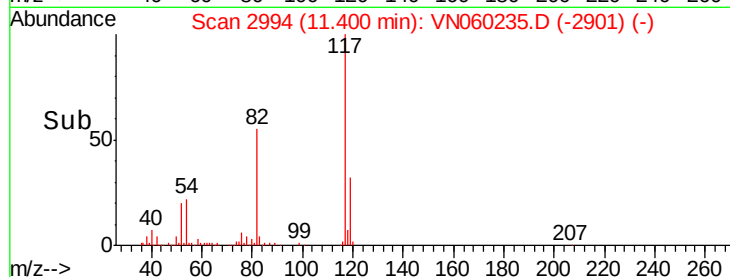
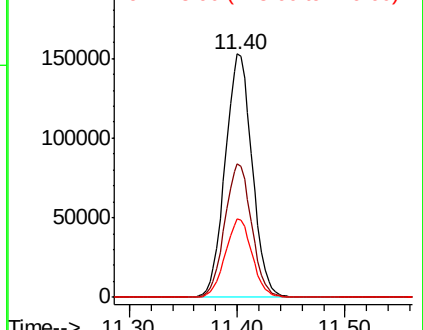
Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.4	65.0
119	32.1	25.8	38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

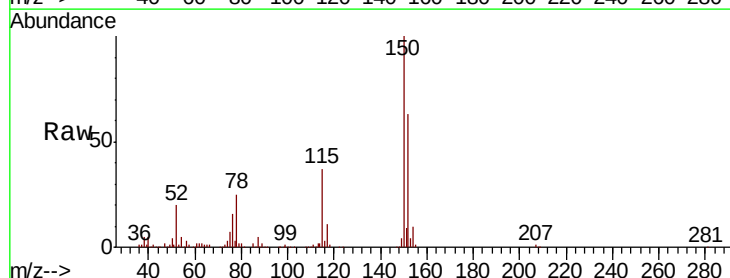
Delta R.T. 0.00 min

Lab File: VN060235.D

Acq: 25 Feb 2020 15:36

Tgt Ion:152 Resp: 121000

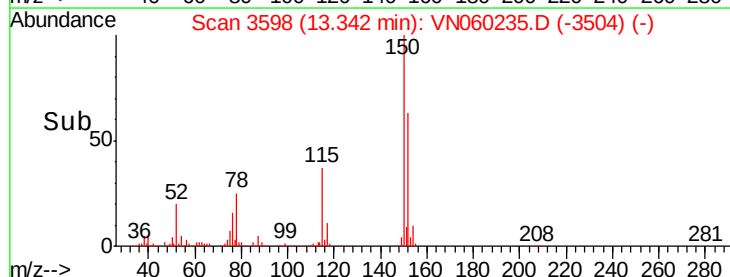
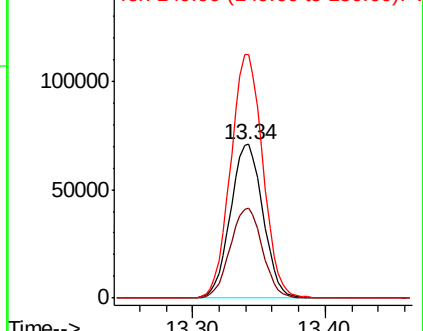
Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.8
150	156.6	0.0	342.4

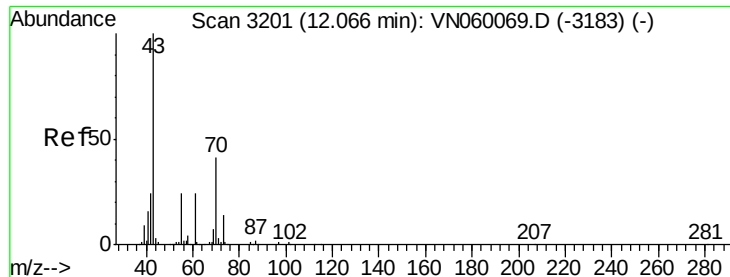


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.798 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060235.D

Acq: 25 Feb 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2599

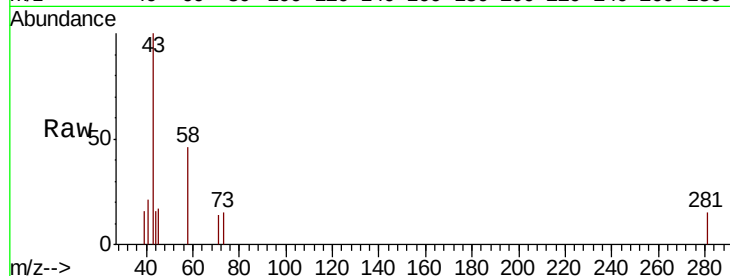
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

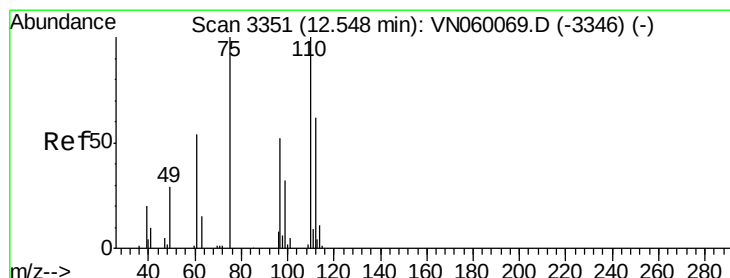
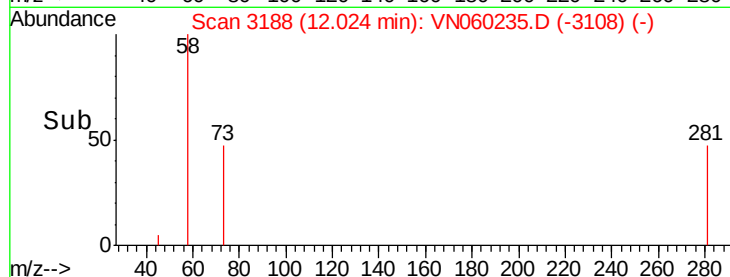
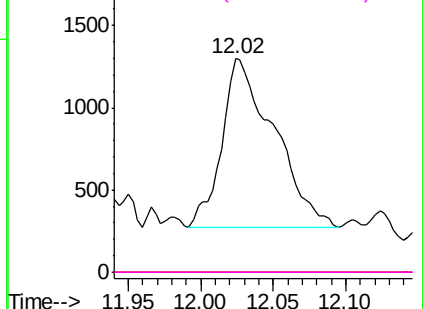


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 27.794 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060235.D

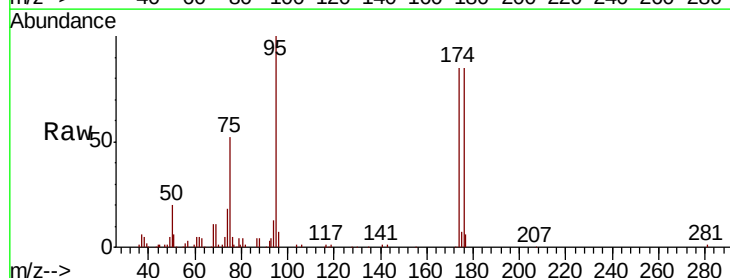
Acq: 25 Feb 2020 15:36

Tgt Ion: 75 Resp: 64342

Ion Ratio Lower Upper

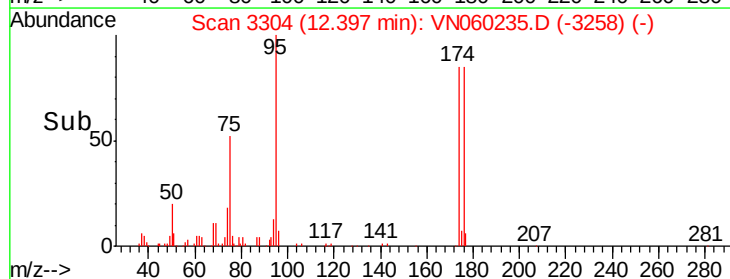
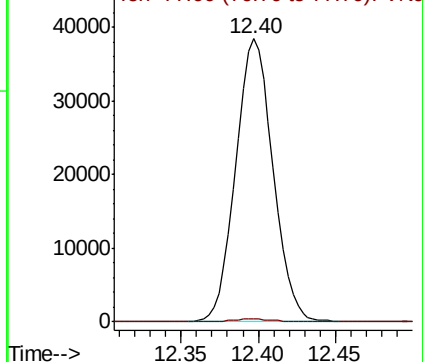
75 100

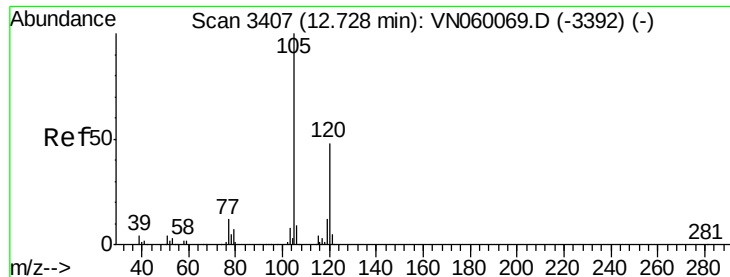
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

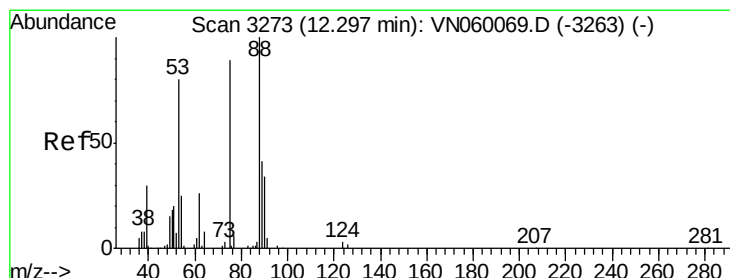
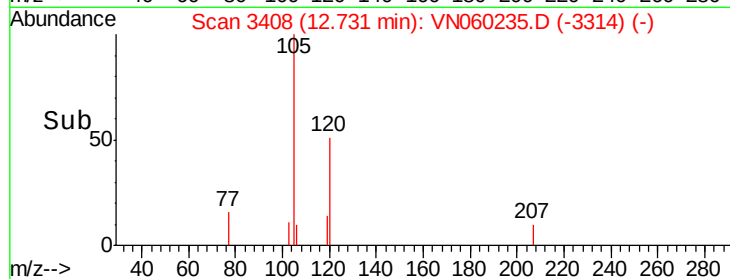
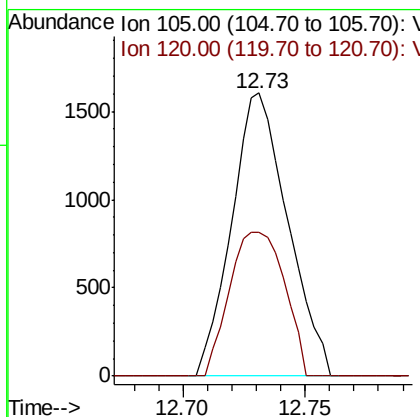
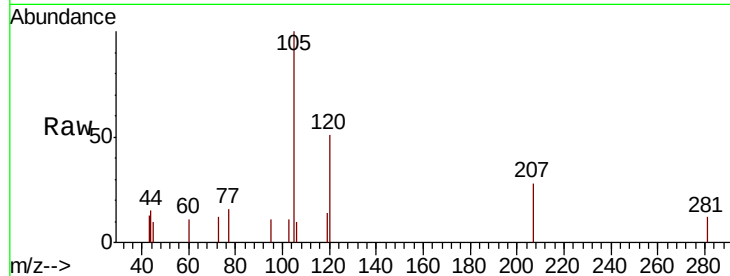




#80
 1,3,5-Trimethylbenzene
 Concen: 0.340 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060235.D
 Acq: 25 Feb 2020 15:36

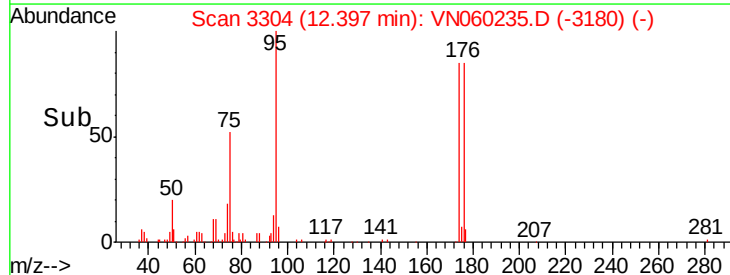
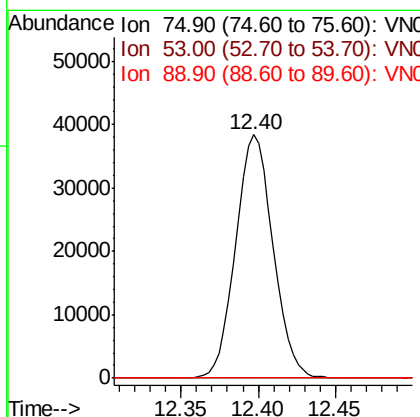
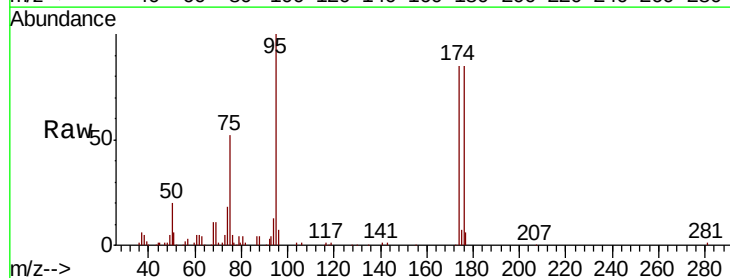
Instrument :
 MSVOA_N
 ClientSampleId :

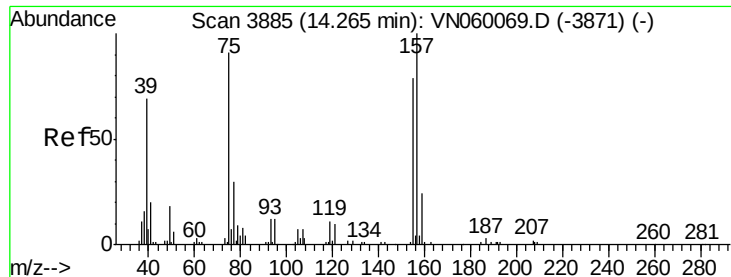
Tot Ion:105 Resp: 2556
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.053 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060235.D
 Acq: 25 Feb 2020 15:36

Tgt Ion: 75 Resp: 64342
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.35 min Scan# 3911

Delta R.T. 0.08 min

Lab File: VN060235.D

Acq: 25 Feb 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

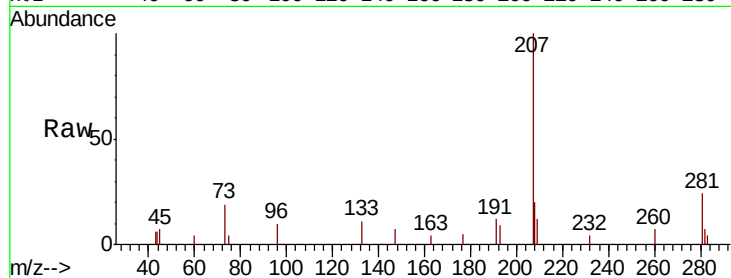
Tot Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060235.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060235.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060235.D (-3791) (-)

