

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060028.D
 Acq On : 7 Feb 2020 13:52
 Operator : JC/MD
 Sample : PB126640ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 07 23:13:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	116611	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	7.57	113	94486	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.08	98	379307	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.40	95	139224	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	

Target Compounds

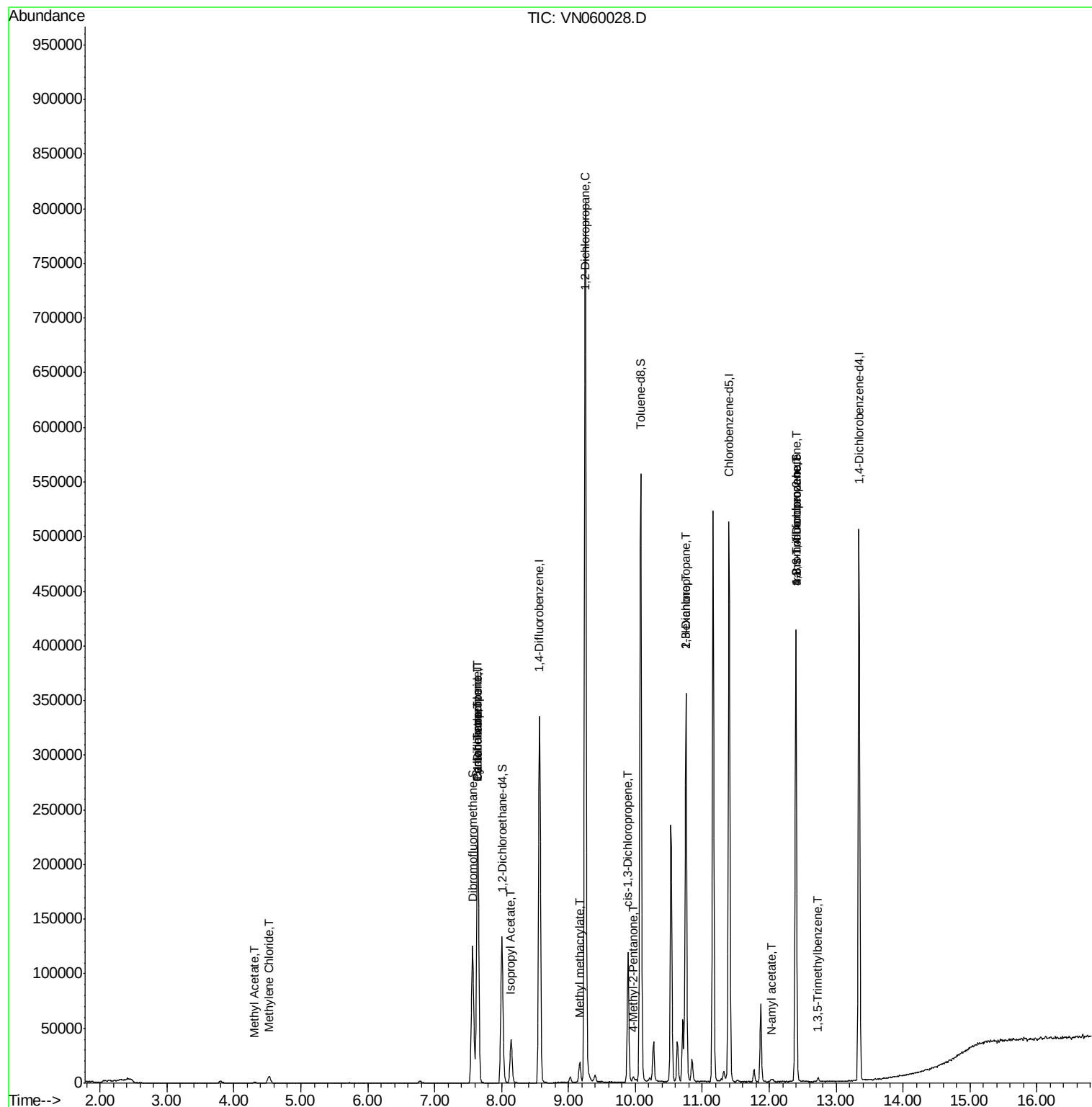
						Qvalue
16) Acetone	3.80	43	3999	Below Cal		100
18) Methyl Acetate	4.31	43	1375	0.535	ug/l #	54
20) Methylene Chloride	4.53	84	4883	1.188	ug/l #	81
31) Cyclohexane	7.64	56	3784	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14057	5.198	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18713	6.362	ug/l #	16
43) Isopropyl Acetate	8.14	43	47129	10.803	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	930	0.466	ug/l #	44
48) Methyl methacrylate	9.16	41	2534	1.299	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3381	1.341	ug/l	100
54) cis-1,3-Dichloropropene	9.89	75	22085	6.627	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3892	1.215	ug/l #	42
59) 2-Hexanone	10.76	43	51154	27.534	ug/l #	54
74) N-amyl acetate	12.03	43	2314	0.597	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	70545	30.797	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2228	0.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	70545	66.137	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.33	75	64	Below Cal	#	6

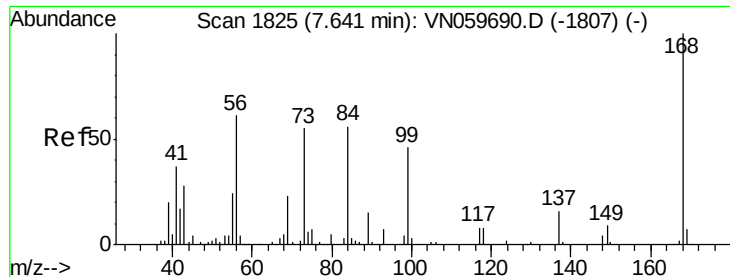
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020720\
Data File : VN060028.D
Acq On : 7 Feb 2020 13:52
Operator : JC/MD
Sample : PB126640ZHE#02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 07 23:13:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 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: VN060028.D

Acq: 7 Feb 2020 13:52

Instrument :

MSVOA_N

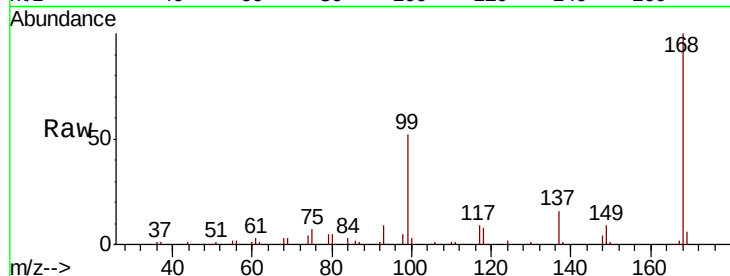
ClientSampleId :

Tot Ion:168 Resp: 198255

Ion Ratio Lower Upper

168 100

99 52.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

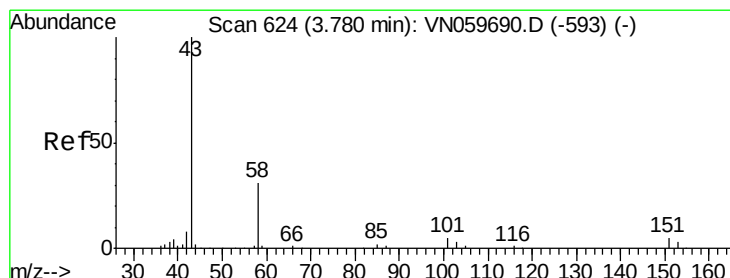
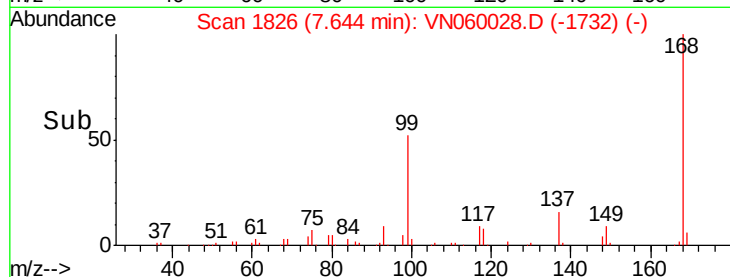
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060028.D

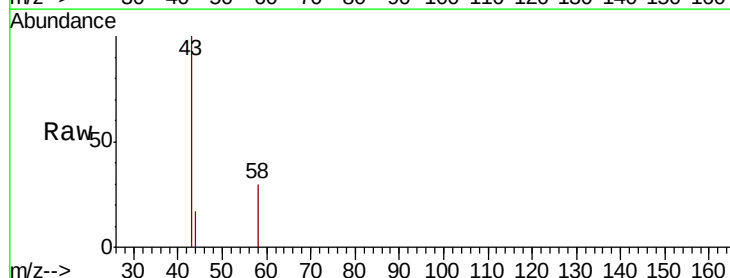
Acq: 7 Feb 2020 13:52

Tgt Ion: 43 Resp: 3999

Ion Ratio Lower Upper

43 100

58 29.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

1500

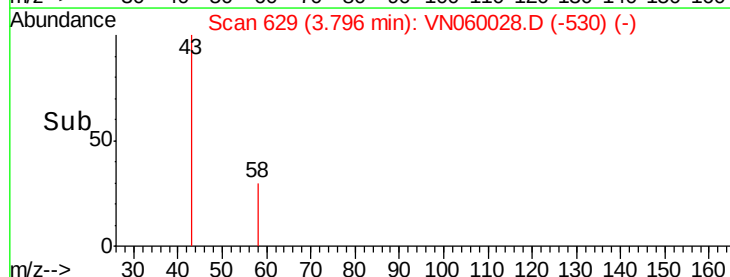
1000

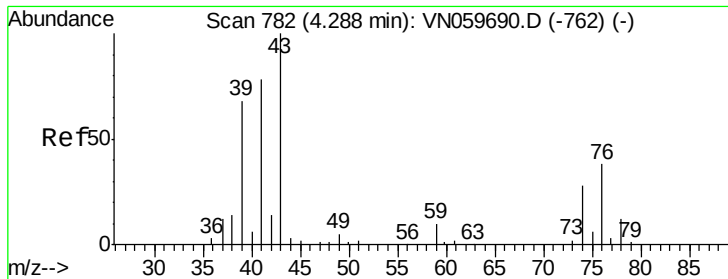
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

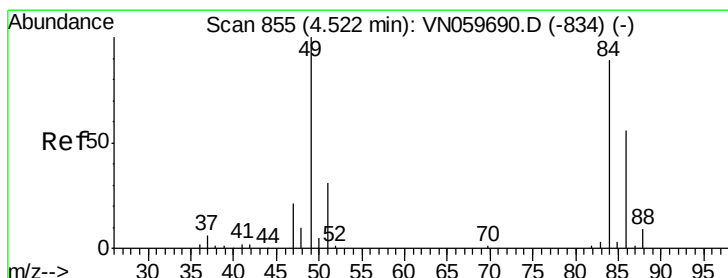
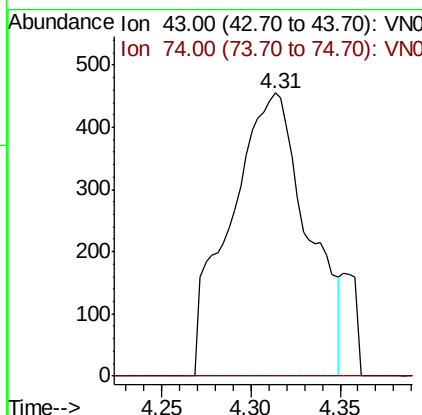
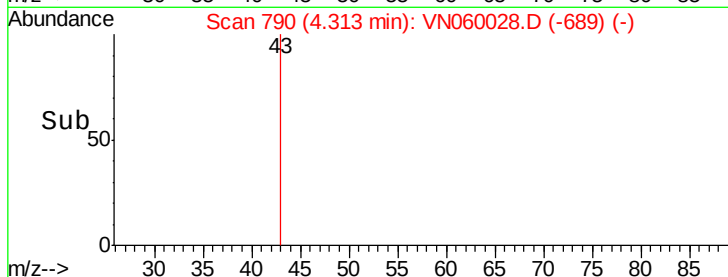
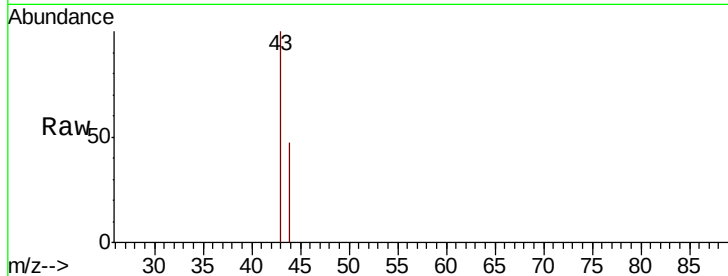




#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.03 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

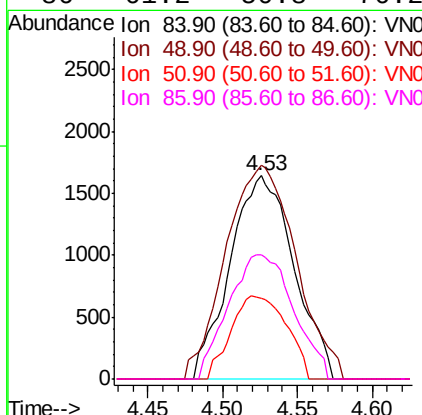
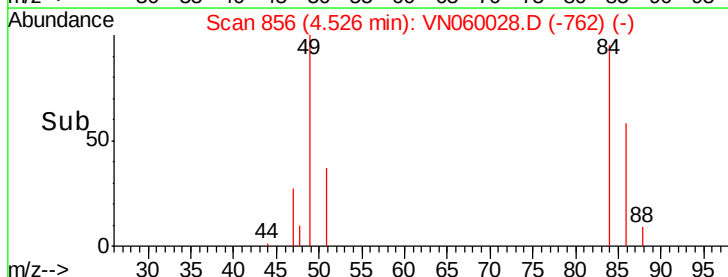
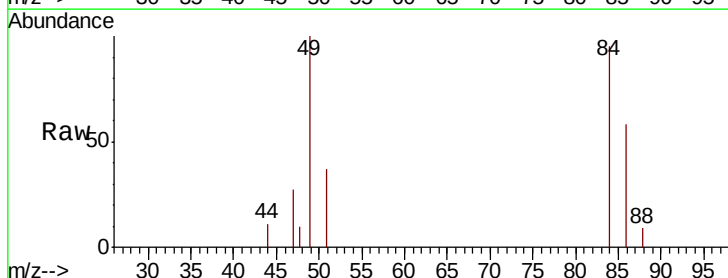
Instrument :
MSVOA_N
ClientSampled :

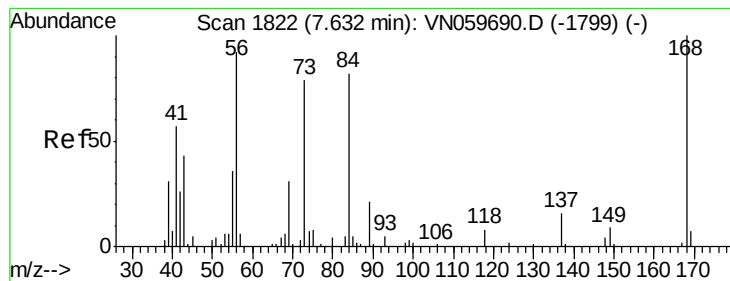
Tot Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.188 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

Tgt Ion: 84 Resp: 4883
Ion Ratio Lower Upper
84 100
49 95.6 106.6 160.0#
51 39.4 31.9 47.9
86 61.2 50.8 76.2





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060028.D

Acq: 7 Feb 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

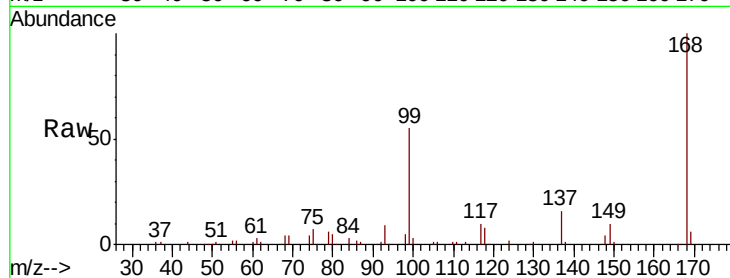
Tot Ion: 56 Resp: 3784

Ion Ratio Lower Upper

56 100

69 171.2 26.5 39.7#

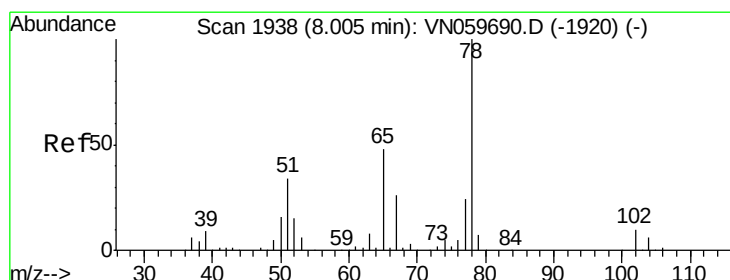
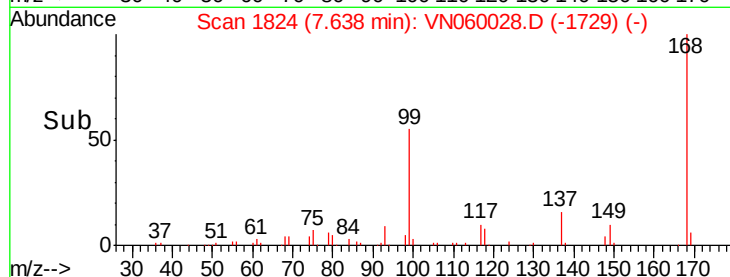
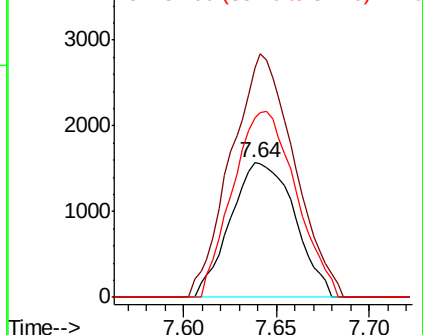
84 133.7 65.3 97.9#



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: 52.965 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060028.D

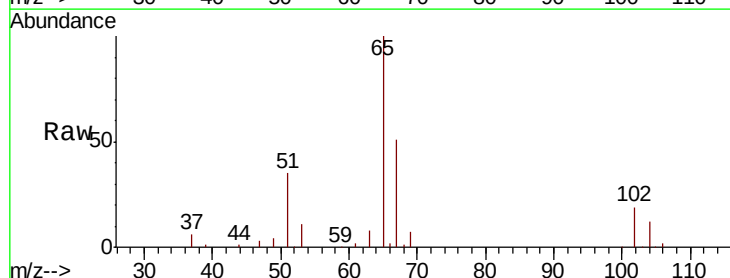
Acq: 7 Feb 2020 13:52

Tgt Ion: 65 Resp: 116611

Ion Ratio Lower Upper

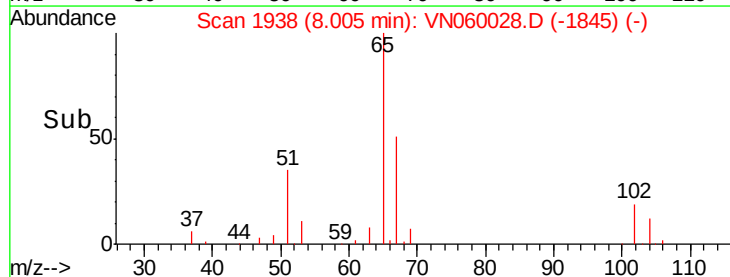
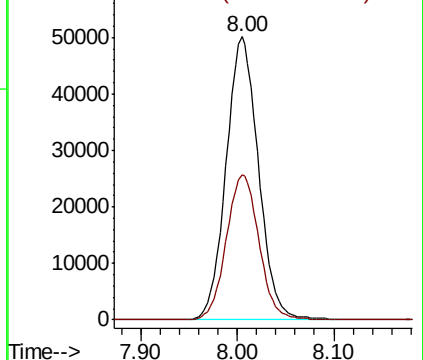
65 100

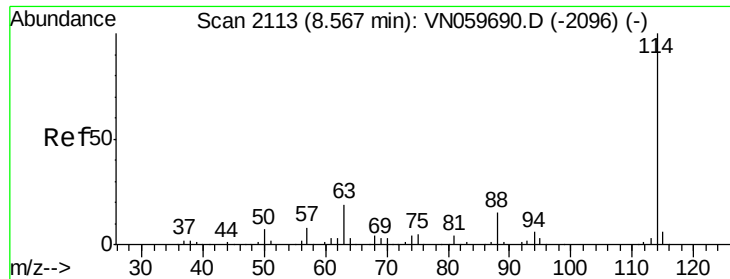
67 51.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

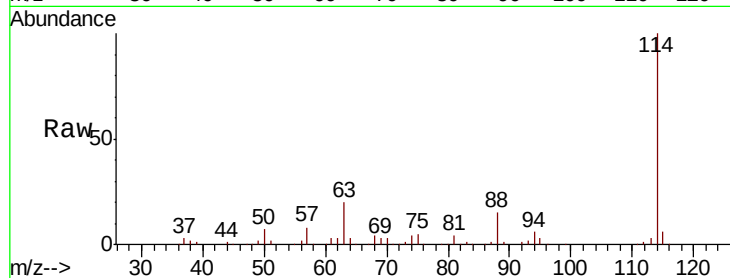




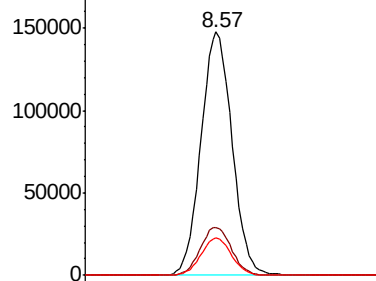
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :

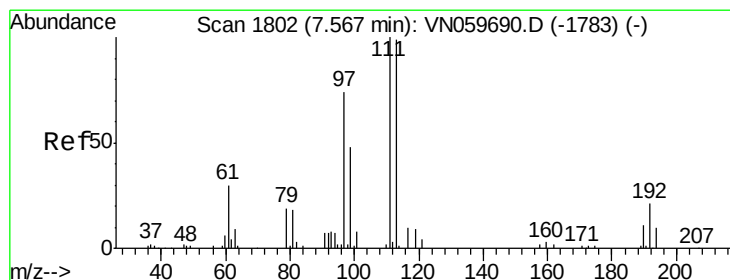
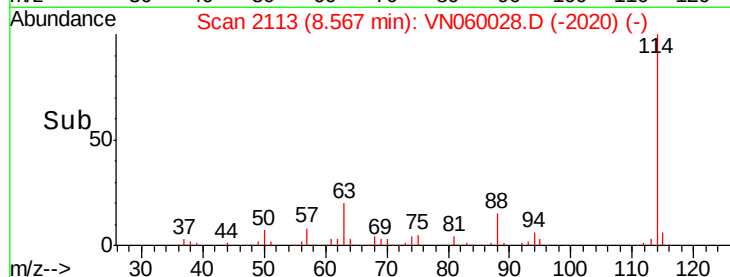
Tot Ion:114 Resp: 310522
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.6
88 15.3 0.0 31.4



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

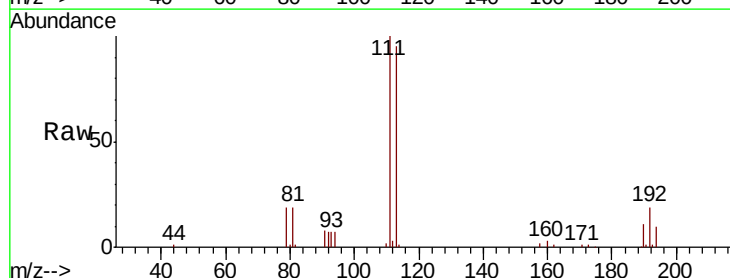


Time-->

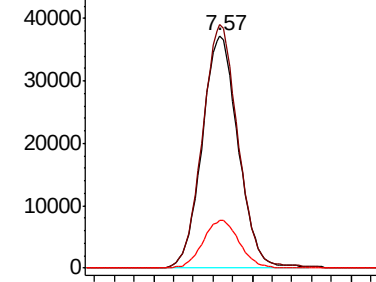


#35
Dibromofluoromethane
Concen: 51.024 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

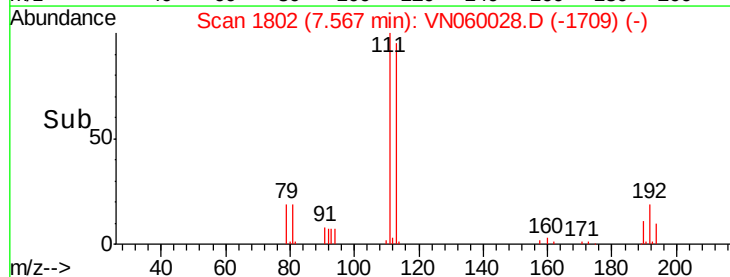
Tgt Ion:113 Resp: 94486
Ion Ratio Lower Upper
113 100
111 103.7 83.5 125.3
192 20.6 15.4 23.2

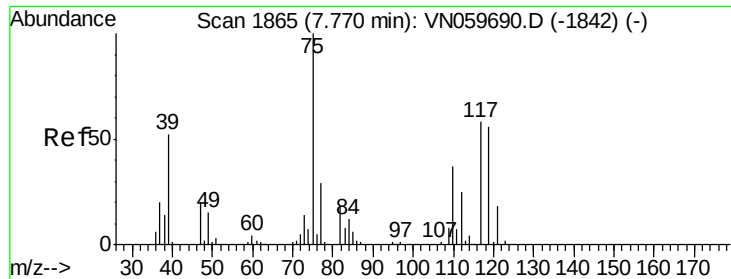


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time-->

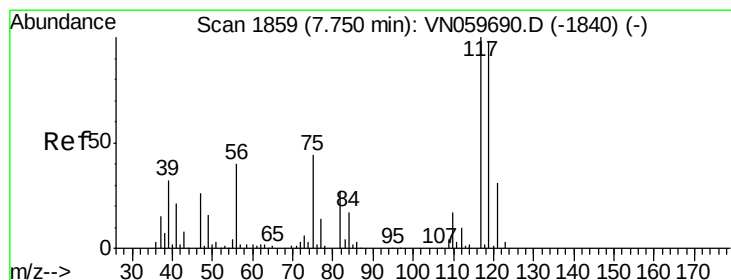
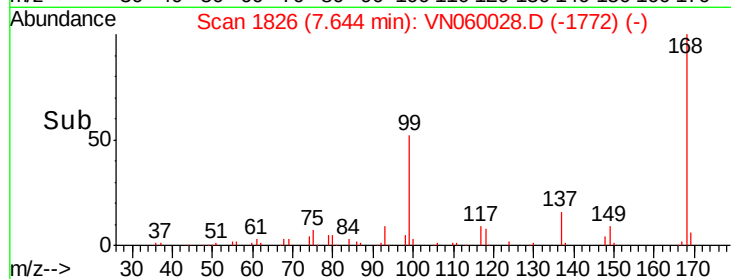
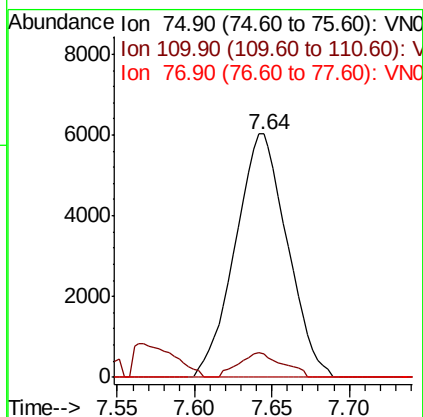
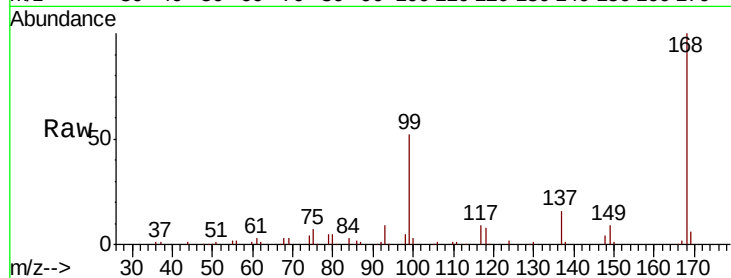




#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060028.D
 Acq: 7 Feb 2020 13:52

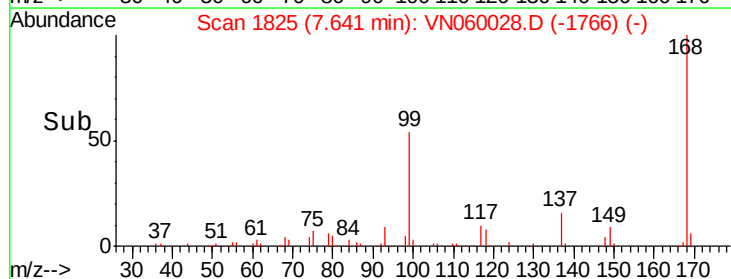
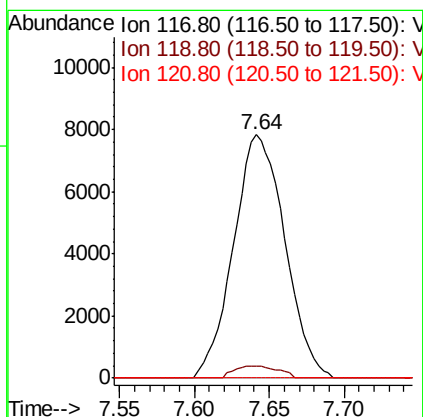
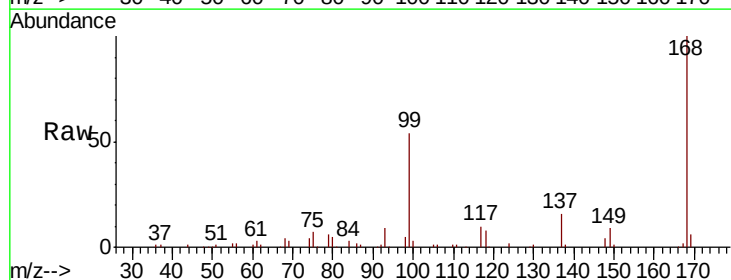
Instrument :
 MSVOA_N
 ClientSampled :

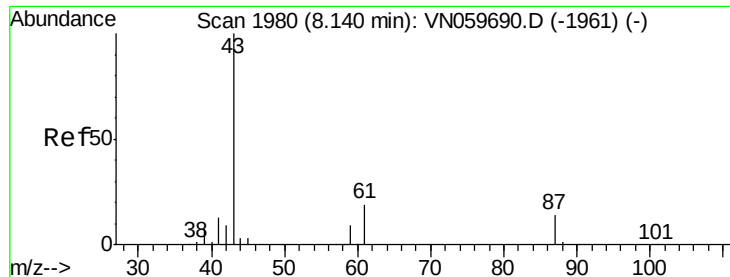
Tot Ion	75	Resp	14057
Ion Ratio	100	Lower	Upper
75	100		
110	8.5	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.362 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060028.D
 Acq: 7 Feb 2020 13:52

Tgt Ion	117	Resp	18713
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.8	76.5	114.7#
121	0.0	25.1	37.7#





#43

Isopropyl Acetate

Concen: 10.803 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060028.D

Acq: 7 Feb 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

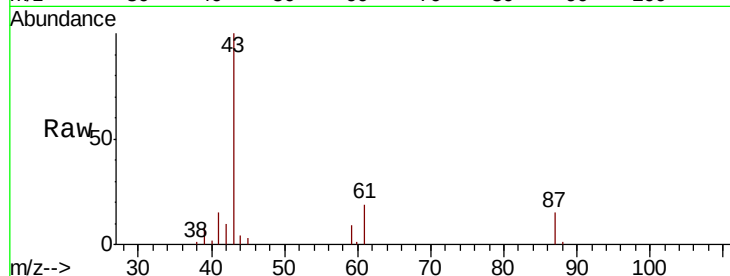
Tot Ion: 43 Resp: 47129

Ion Ratio Lower Upper

43 100

61 19.6 20.2 30.2#

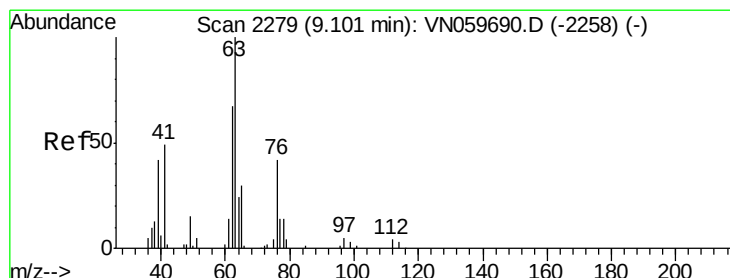
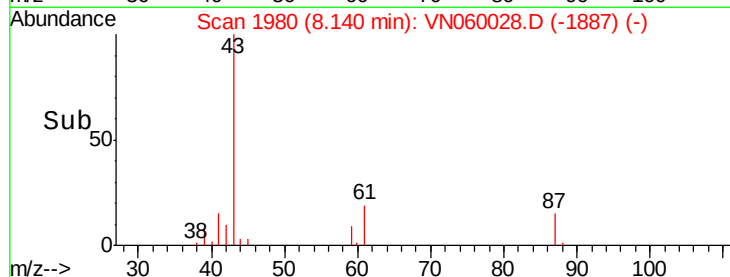
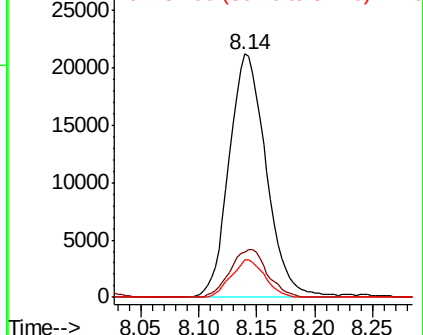
87 14.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.466 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060028.D

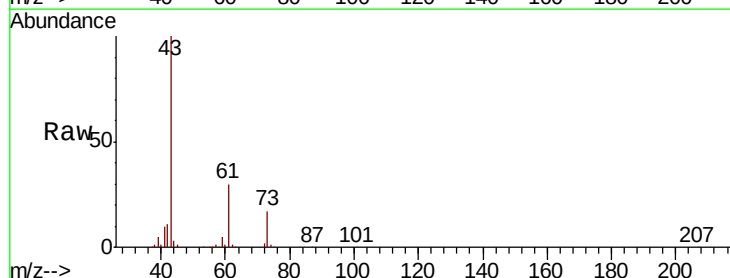
Acq: 7 Feb 2020 13:52

Tgt Ion: 63 Resp: 930

Ion Ratio Lower Upper

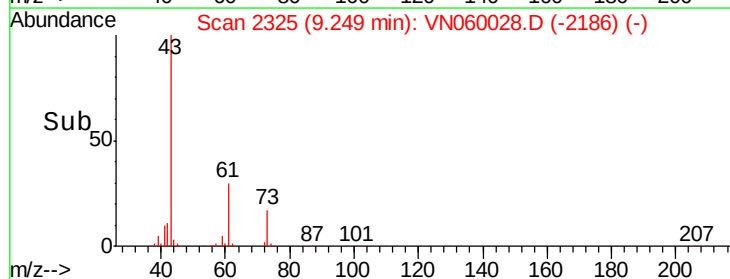
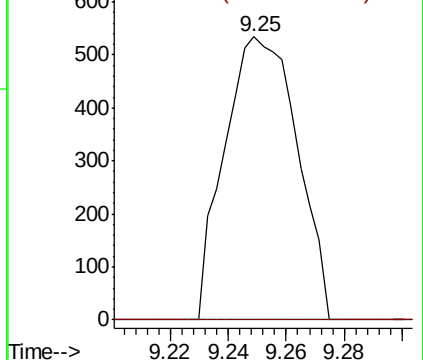
63 100

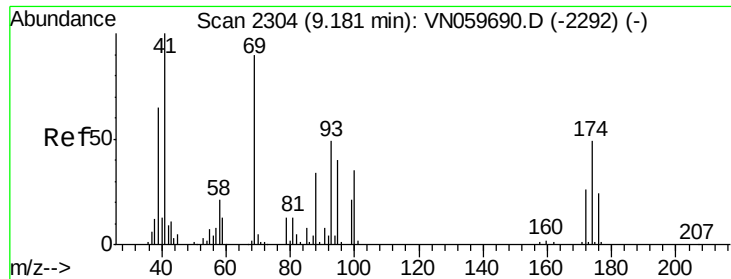
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

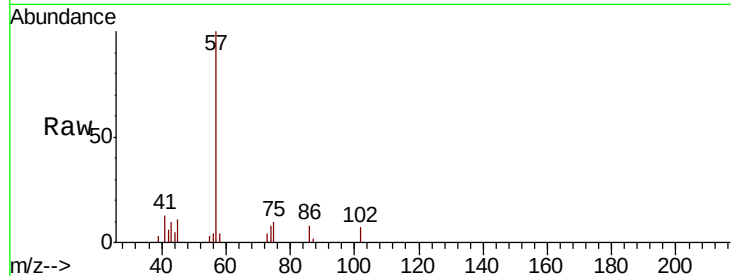




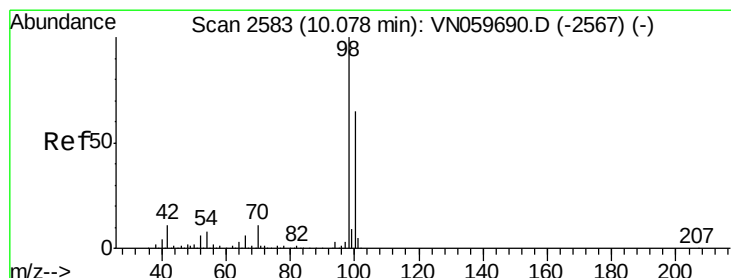
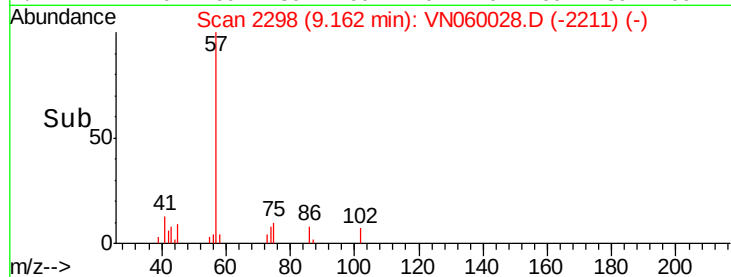
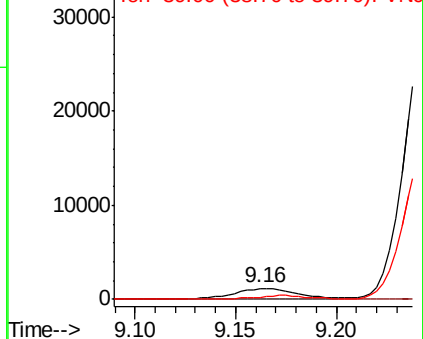
#48
Methvl methacrylate
Concen: 1.299 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2534
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#

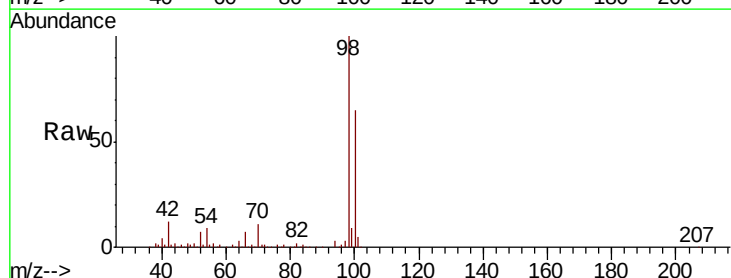


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

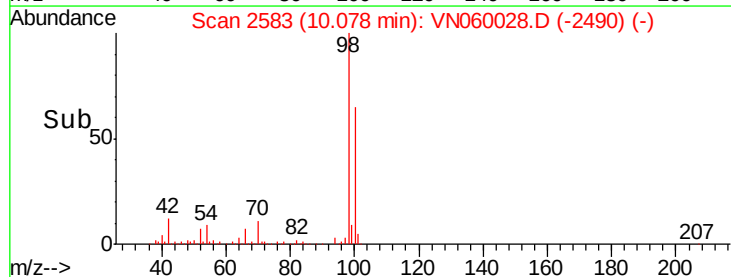
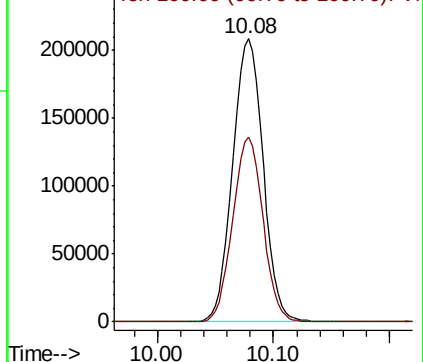


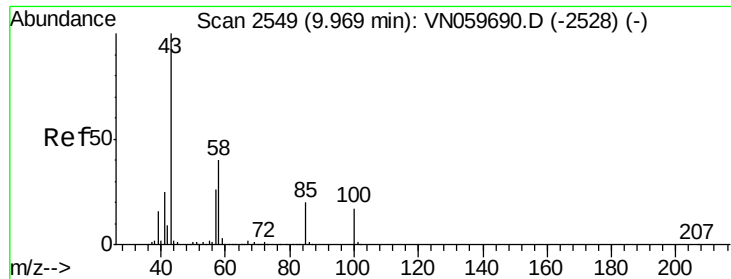
#50
Toluene-d8
Concen: 52.867 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

Tgt Ion: 98 Resp: 379307
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



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

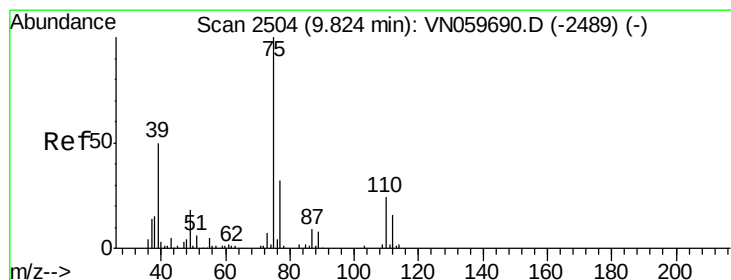
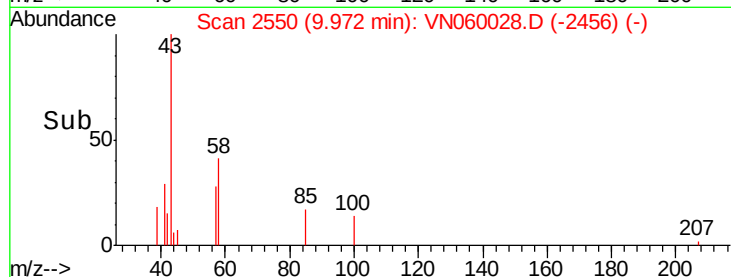
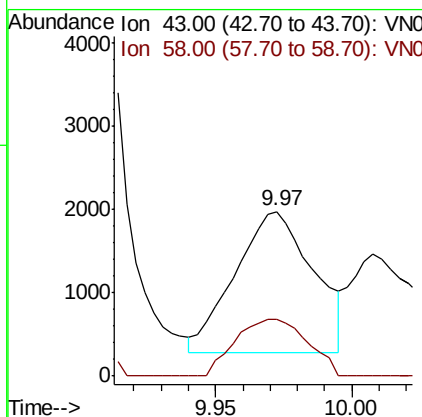
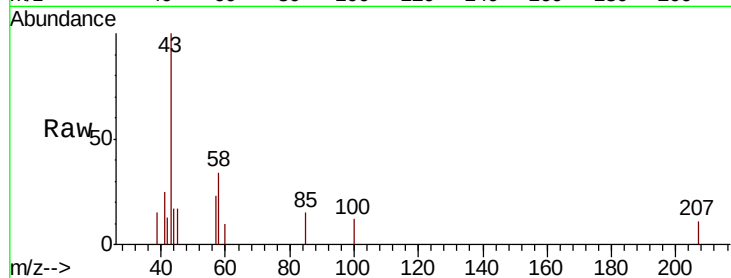




#51
 4-Methyl-2-Pentanone
 Concen: 1.341 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060028.D
 Acq: 7 Feb 2020 13:52

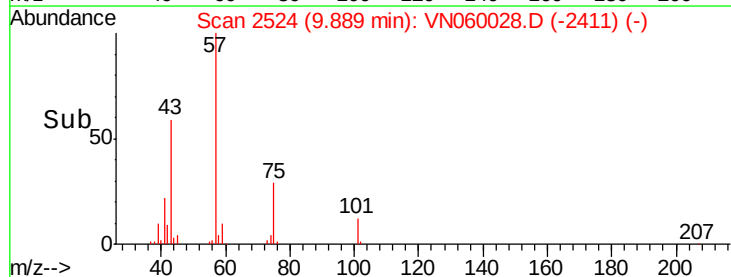
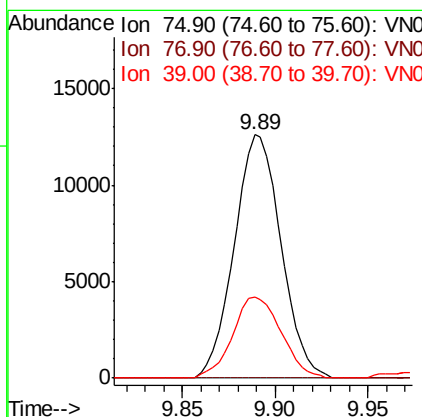
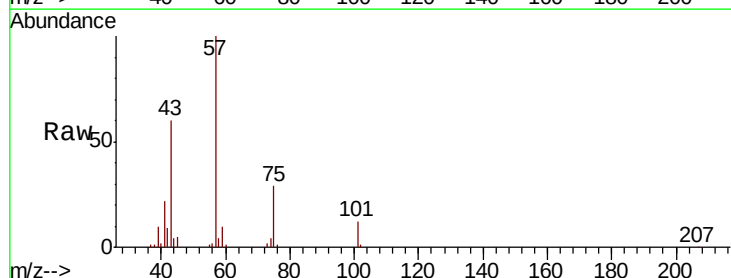
Instrument :
 MSVOA_N
 ClientSampled :

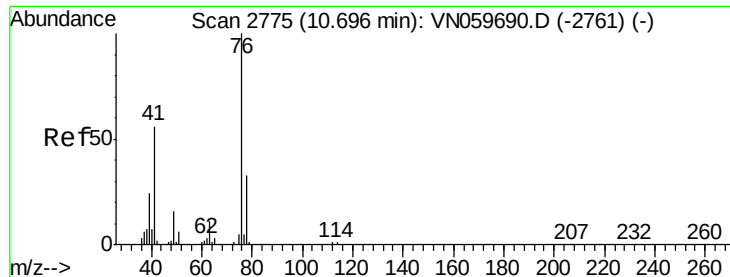
Tot Ion: 43 Resp: 3381
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.627 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060028.D
 Acq: 7 Feb 2020 13:52

Tgt Ion: 75 Resp: 22085
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 33.5 46.1 69.1#

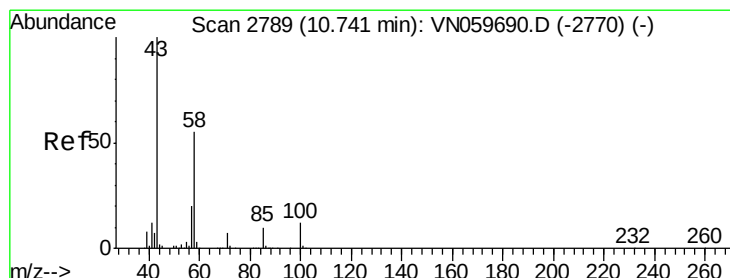
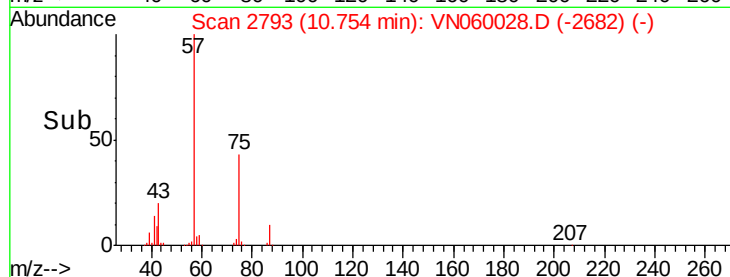
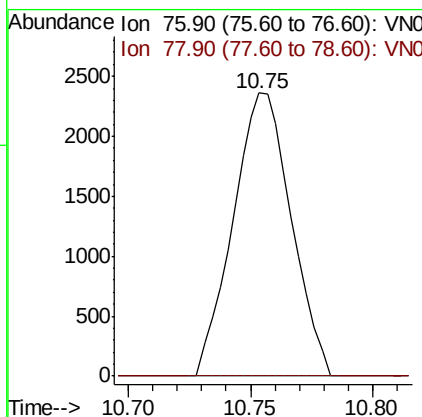
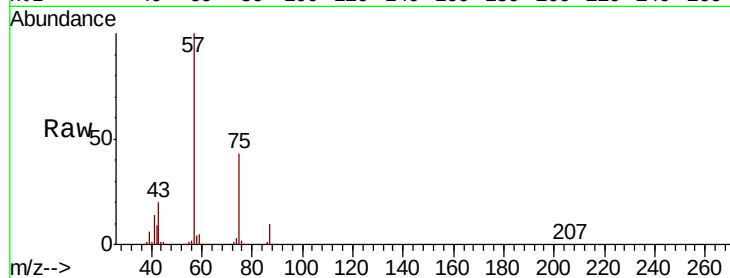




#57
 1,3-Dichloropropane
 Concen: 1.215 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060028.D
 Acq: 7 Feb 2020 13:52

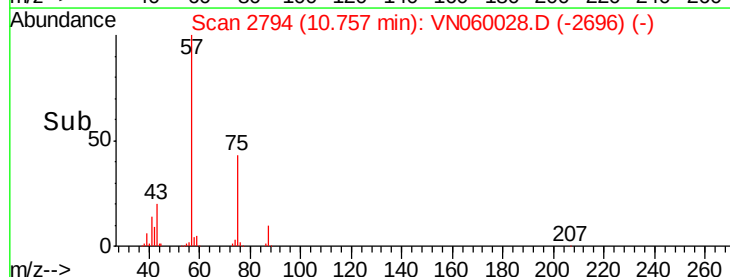
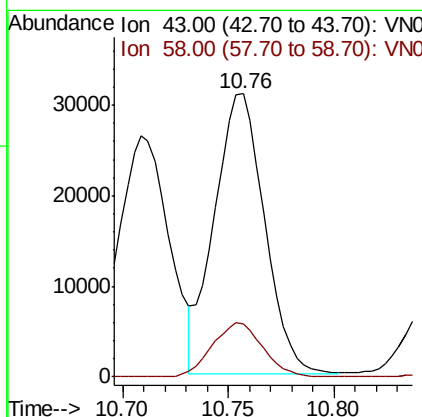
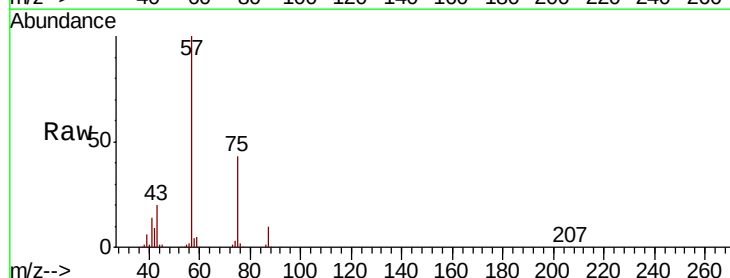
Instrument :
 MSVOA_N
 ClientSampled :

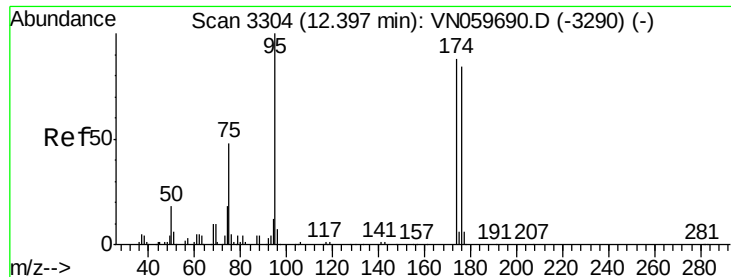
Tot Ion: 76 Resp: 3892
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 27.534 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.02 min
 Lab File: VN060028.D
 Acq: 7 Feb 2020 13:52

Tgt Ion: 43 Resp: 51154
 Ion Ratio Lower Upper
 43 100
 58 19.5 25.8 77.3#

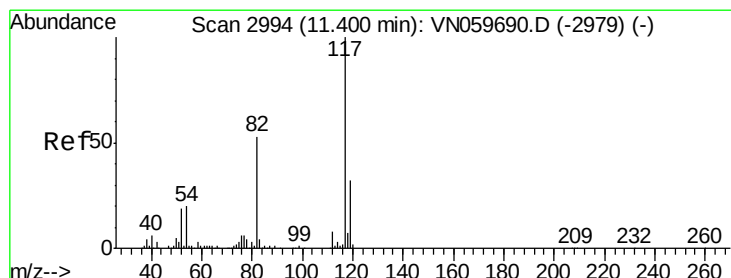
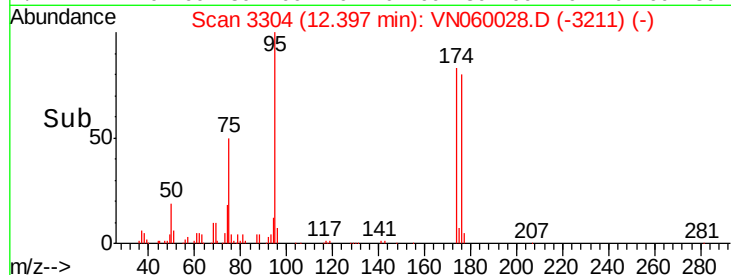
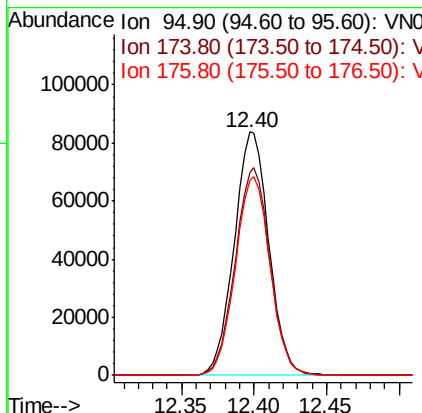
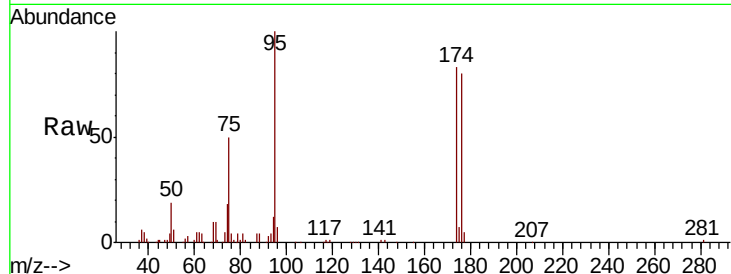




#62
4-Bromofluorobenzene
Concen: 53.828 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

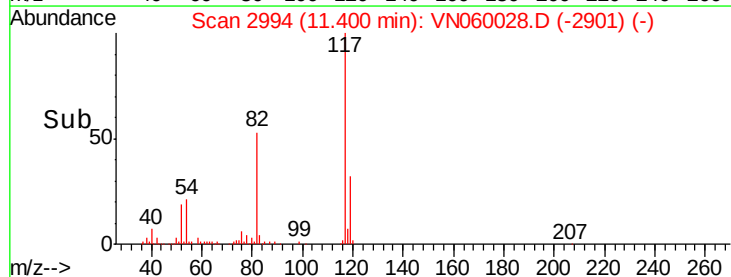
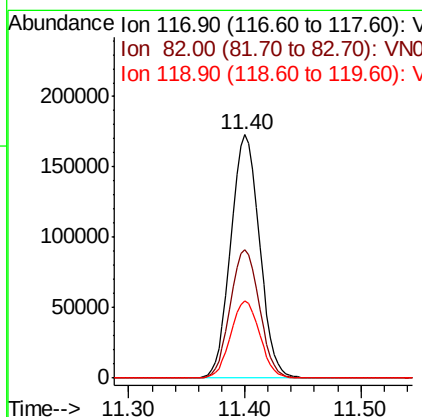
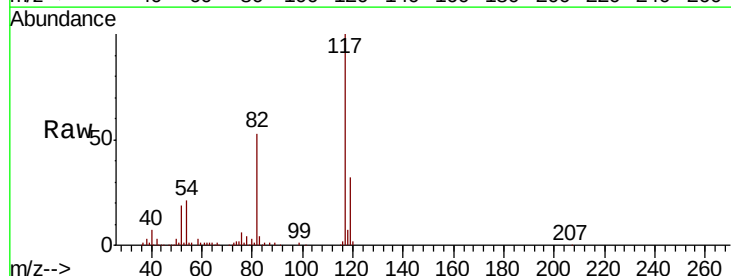
Instrument :
MSVOA_N
ClientSampled :

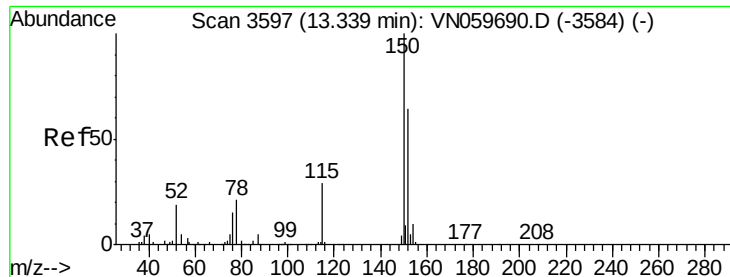
Tot Ion: 95 Resp: 139224
Ion Ratio Lower Upper
95 100
174 85.5 0.0 151.4
176 82.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

Tgt Ion: 117 Resp: 296356
Ion Ratio Lower Upper
117 100
82 52.8 45.9 68.9
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060028.D

Acq: 7 Feb 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

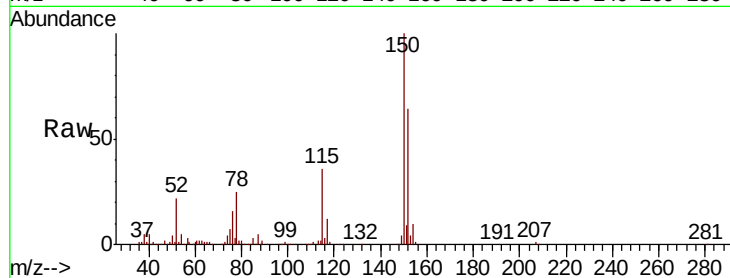
Tot Ion:152 Resp: 136112

Ion Ratio Lower Upper

152 100

115 57.8 30.3 90.9

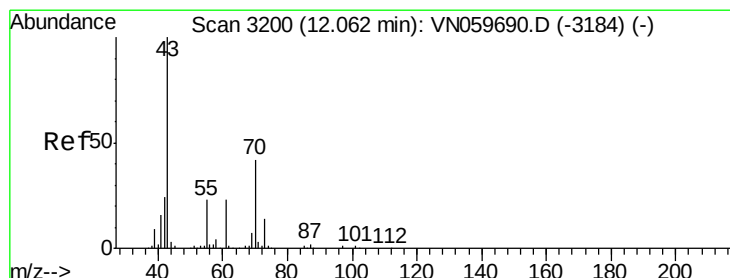
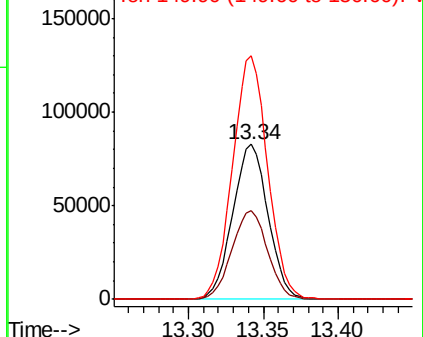
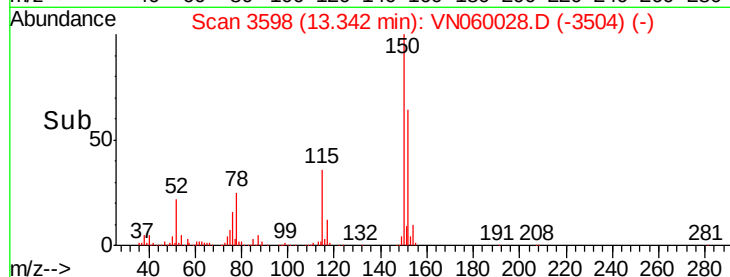
150 156.3 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.597 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN060028.D

Acq: 7 Feb 2020 13:52

Tgt Ion: 43 Resp: 2314

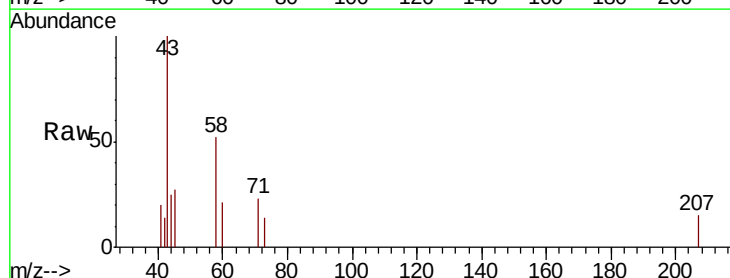
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

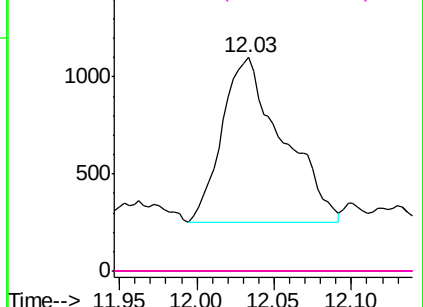
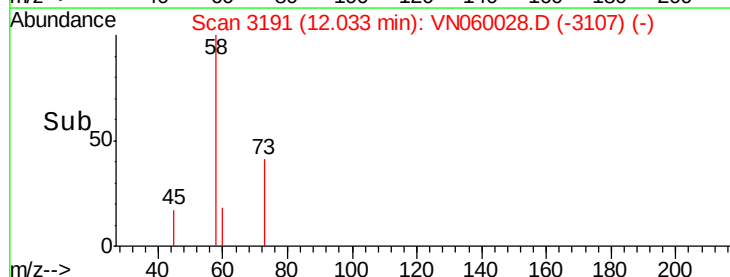


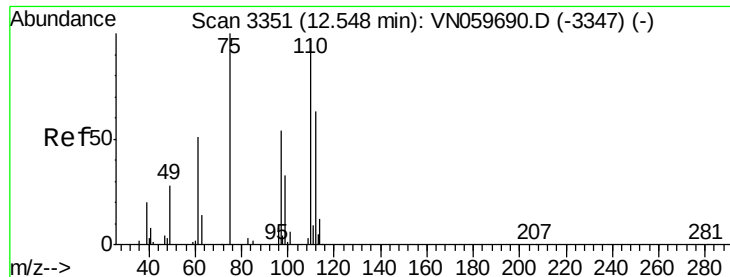
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 30.797 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060028.D

Acq: 7 Feb 2020 13:52

Instrument :

MSVOA_N

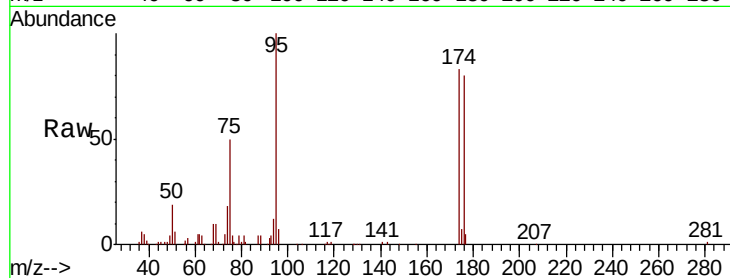
ClientSampled :

Tot Ion: 75 Resp: 70545

Ion Ratio Lower Upper

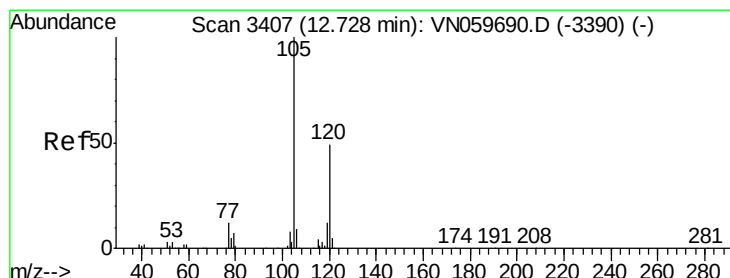
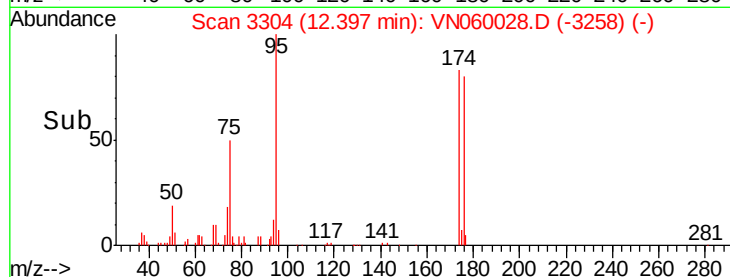
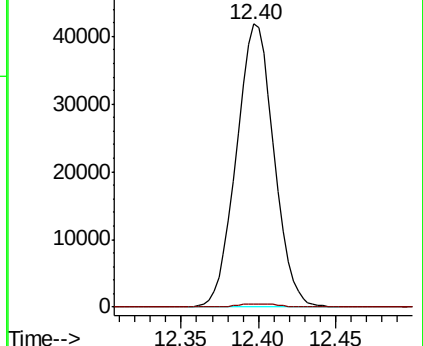
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 0.265 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060028.D

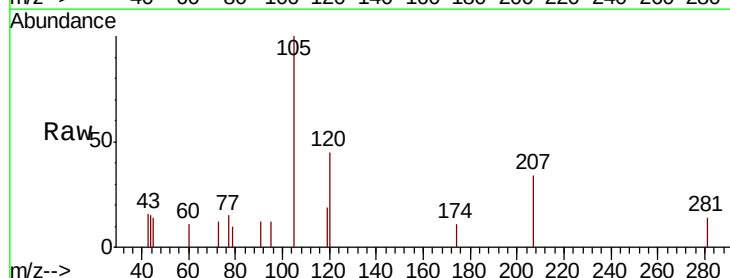
Acq: 7 Feb 2020 13:52

Tgt Ion: 105 Resp: 2228

Ion Ratio Lower Upper

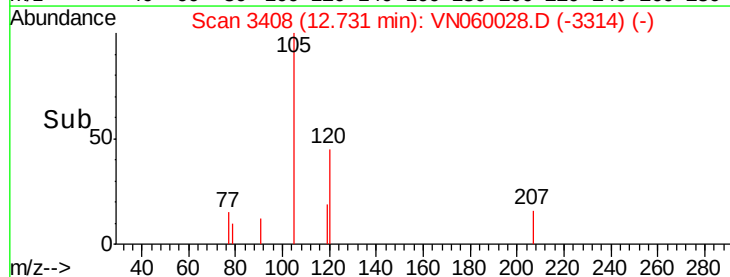
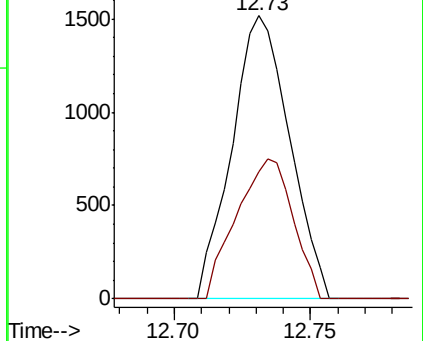
105 100

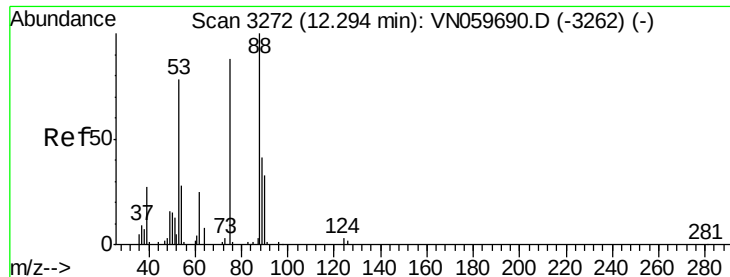
120 48.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

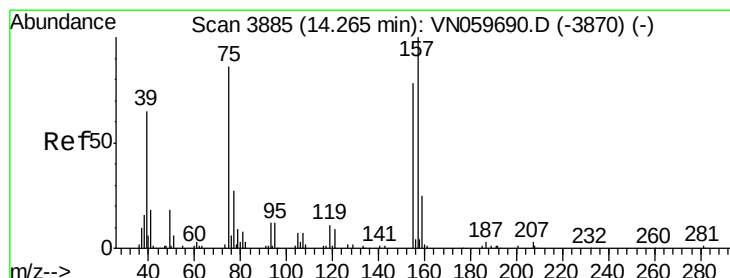
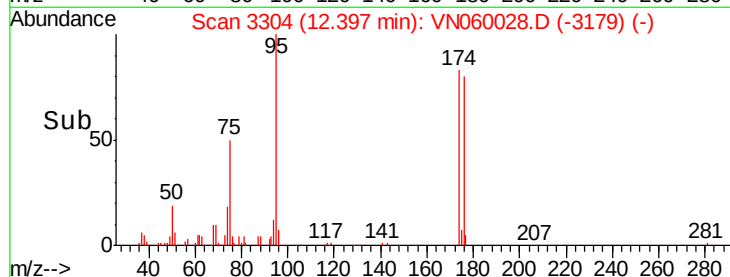
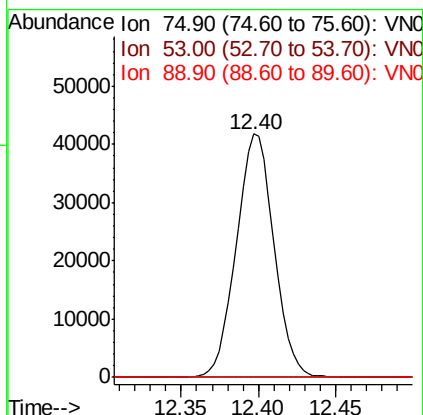
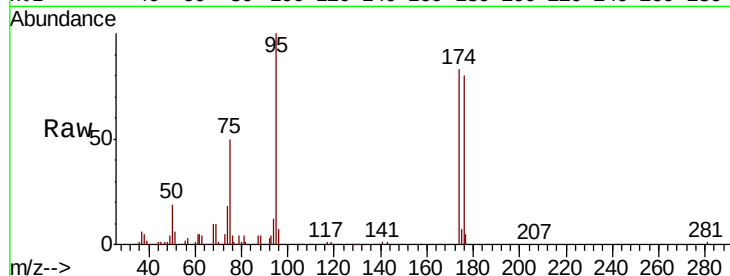




#81
trans-1,4-Dichloro-2-butene
Concen: 66.137 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 70545
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.33 min Scan# 3905
Delta R.T. 0.07 min
Lab File: VN060028.D
Acq: 7 Feb 2020 13:52

Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

