

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062695.D
 Acq On : 31 Jul 2020 19:08
 Operator : JC/MD
 Sample : L3511-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Aug 01 06:07:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

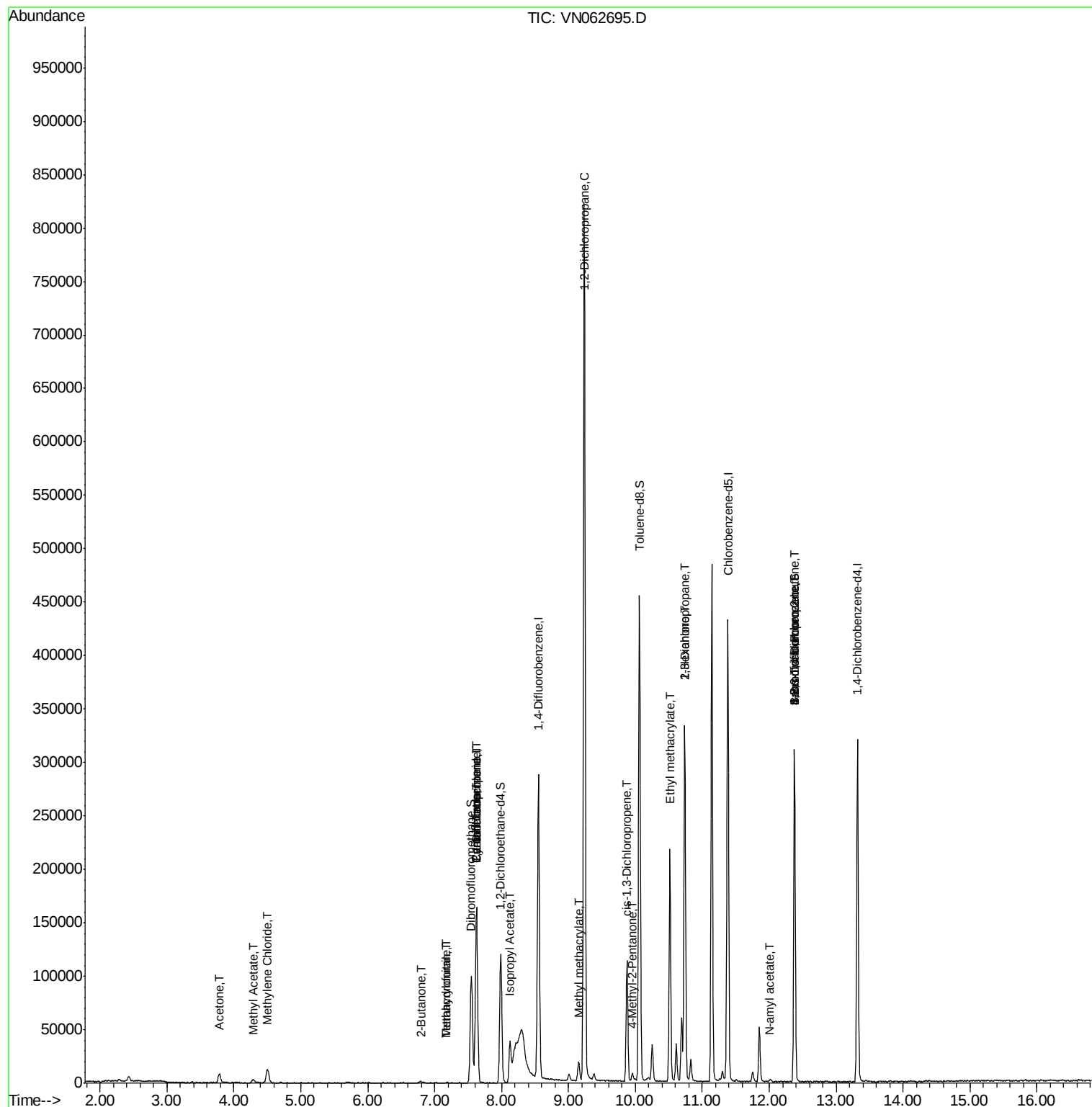
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	122982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	234825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80651	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	109994	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	
35) Dibromofluoromethane	7.55	113	76454	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.06	98	298572	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.38	95	107303	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	15091	20.991	ug/l	97
18) Methyl Acetate	4.29	43	6435	3.536	ug/l #	90
20) Methylene Chloride	4.50	84	9416	5.461	ug/l	91
25) 2-Butanone	6.80	43	1216	1.111	ug/l	97
29) Tetrahydrofuran	7.17	42	226	0.305	ug/l #	49
31) Cyclohexane	7.63	56	3261	1.158	ug/l #	5
36) 1,1-Dichloropropene	7.63	75	10736	4.289	ug/l #	50
38) Carbon Tetrachloride	7.63	117	13024	5.413	ug/l #	17
41) Methacrylonitrile	7.18	41	303	0.262	ug/l #	14
43) Isopropyl Acetate	8.13	43	49770	11.443	ug/l #	88
45) 1,2-Dichloropropane	9.23	63	838	0.394	ug/l #	44
48) Methyl methacrylate	9.15	41	2794	1.351	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	5172	1.987	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	18573	5.836	ug/l #	68
56) Ethyl methacrylate	10.51	69	1116	2.120	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3119	0.997	ug/l #	42
59) 2-Hexanone	10.74	43	49978	27.497	ug/l #	53
71) Bromoform	12.37	173	530	0.385	ug/l #	1
74) N-amyl acetate	12.00	43	1995	0.701	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	58808	28.647	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58808	79.746	ug/l #	12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\
Data File : VN062695.D
Acq On : 31 Jul 2020 19:08
Operator : JC/MD
Sample : L3511-13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Quant Time: Aug 01 06:07:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

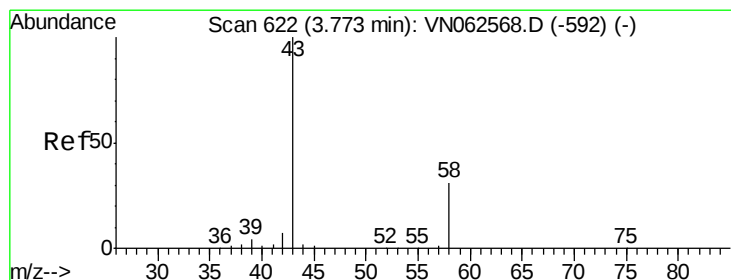
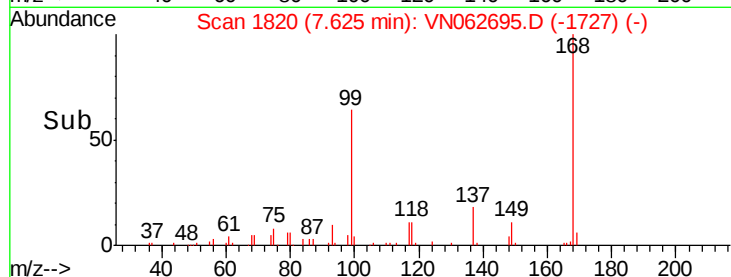
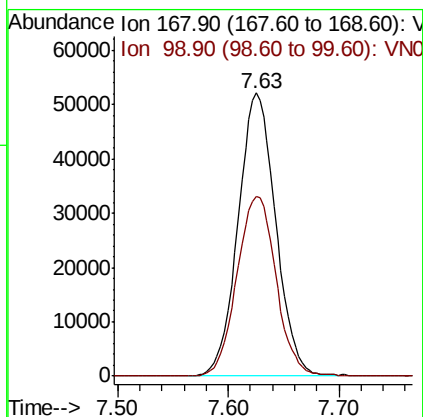
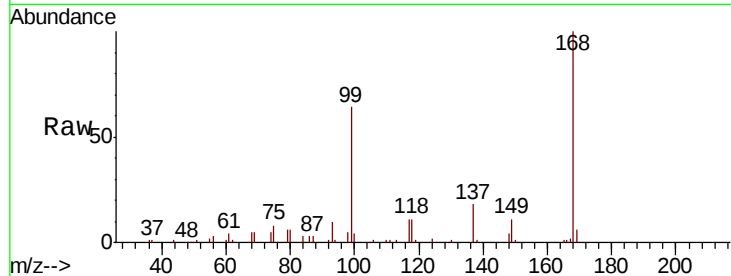




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

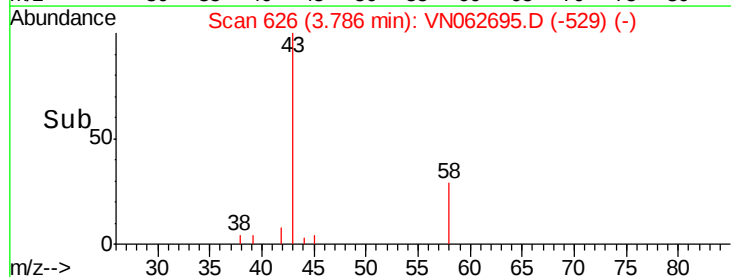
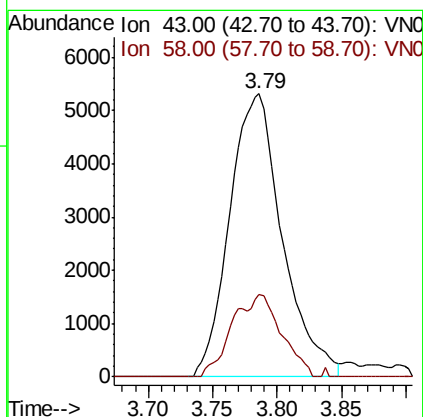
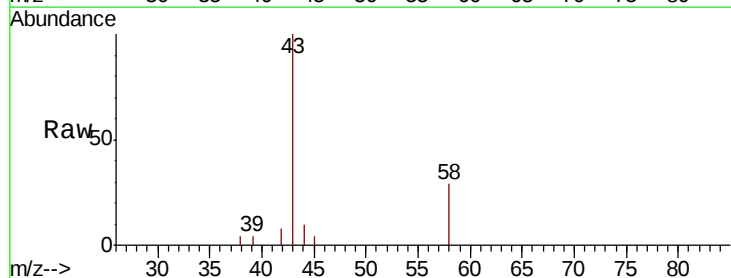
Instrument :
MSVOA_N
ClientSampled :
TP-3

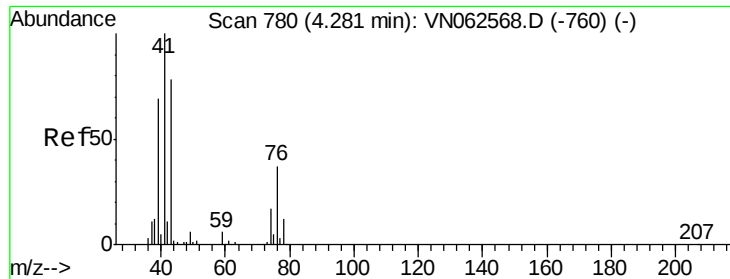
Tot Ion:168 Resp: 122982
Ion Ratio Lower Upper
168 100
99 63.6 48.4 72.6



#16
Acetone
Concen: 20.991 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Tgt Ion: 43 Resp: 15091
Ion Ratio Lower Upper
43 100
58 29.2 24.6 37.0

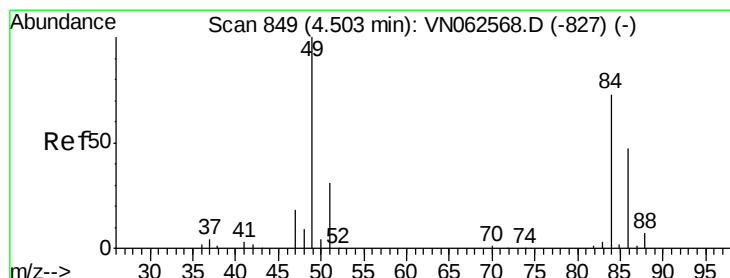
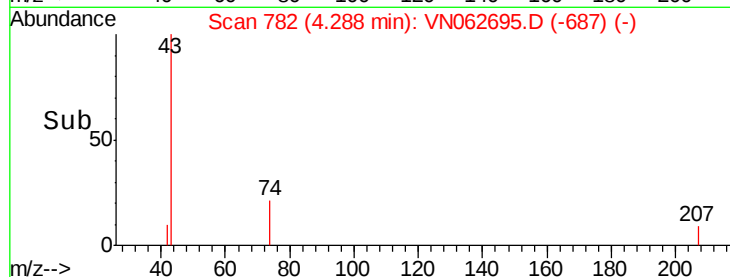
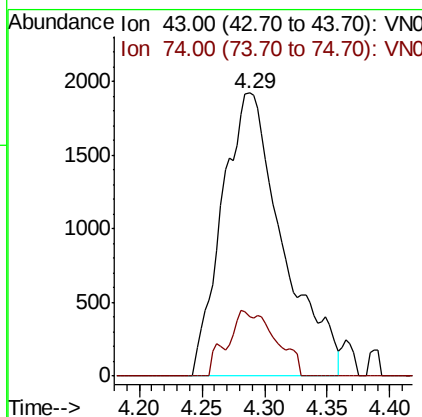
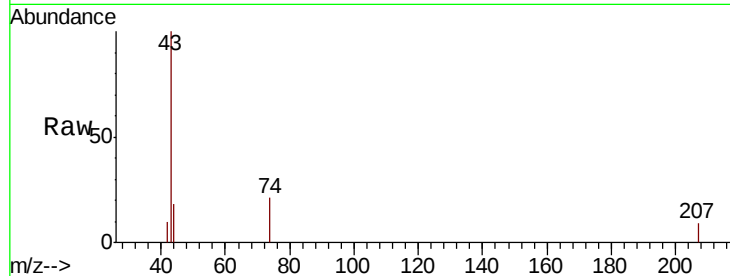




#18
Methyl Acetate
Concen: 3.536 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

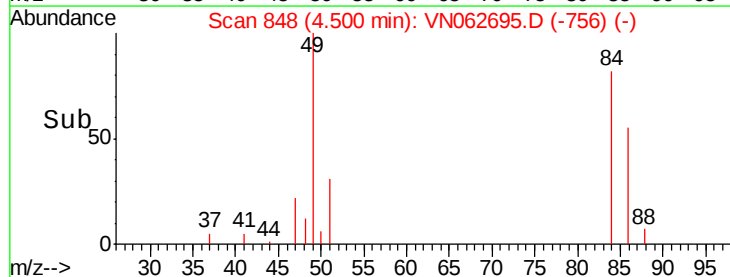
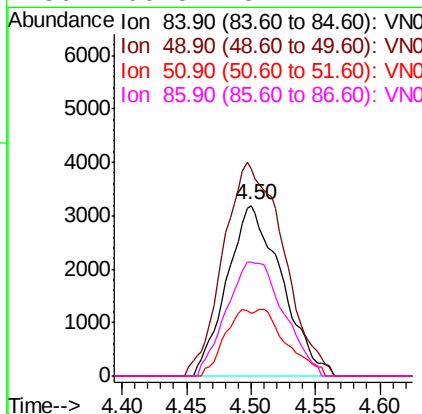
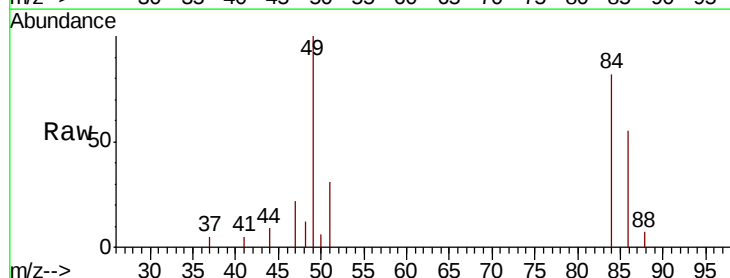
Instrument :
MSVOA_N
ClientSampled :
TP-3

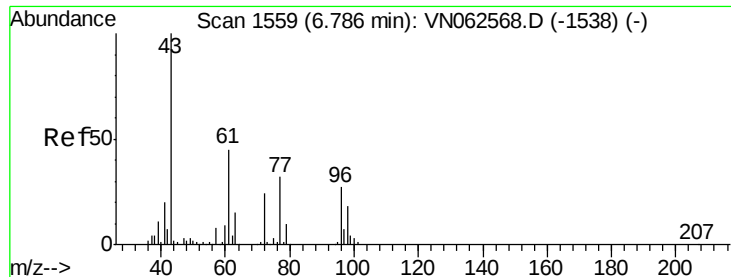
Tot Ion: 43 Resp: 6435
Ion Ratio Lower Upper
43 100
74 16.2 16.6 24.8#



#20
Methylene Chloride
Concen: 5.461 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Tgt Ion: 84 Resp: 9416
Ion Ratio Lower Upper
84 100
49 121.3 109.4 164.0
51 37.1 33.6 50.4
86 66.8 51.4 77.2

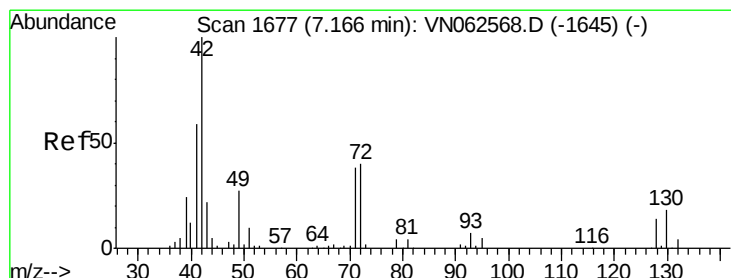
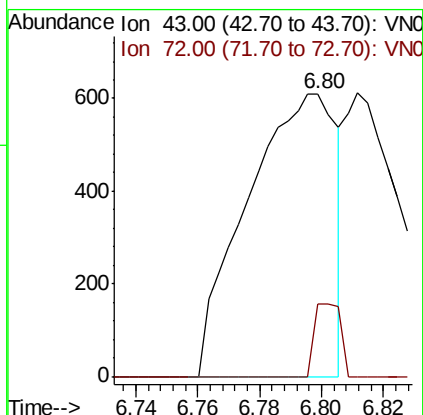
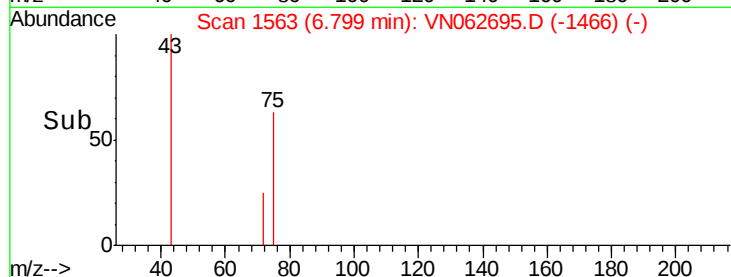
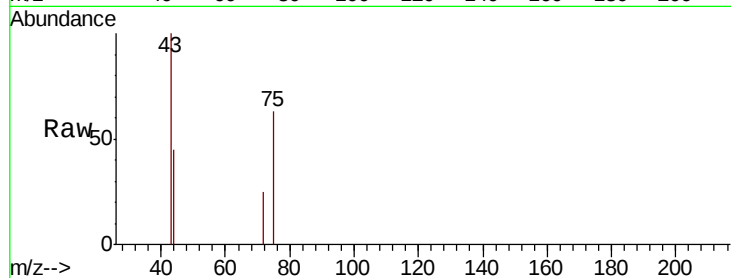




#25
2-Butanone
Concen: 1.111 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

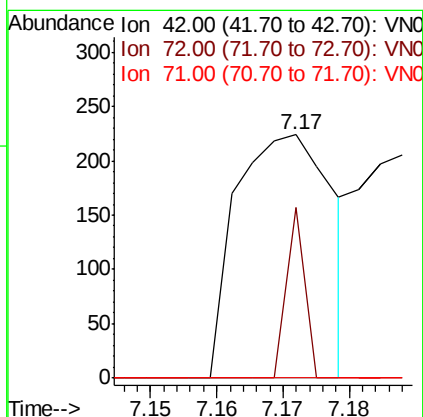
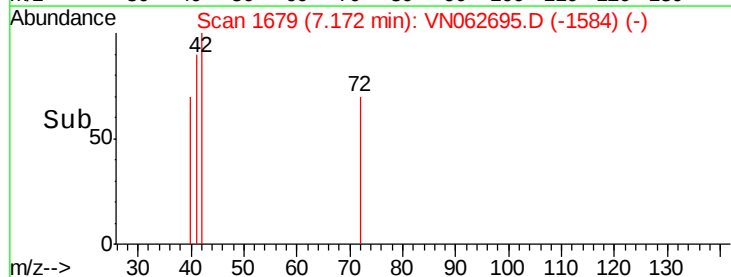
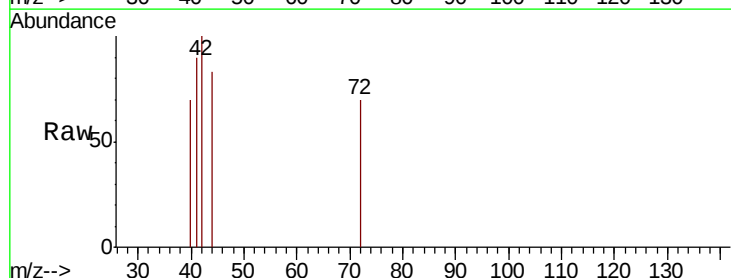
Instrument :
MSVOA_N
ClientSampled :
TP-3

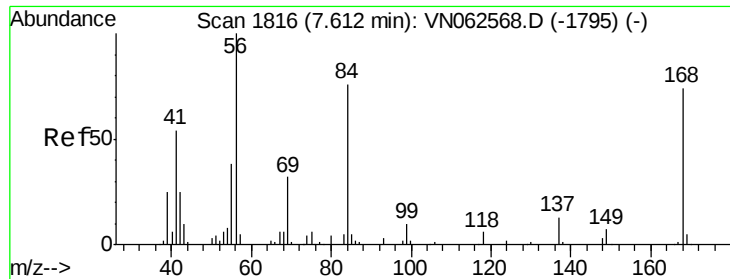
Tot Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
72 25.4 19.0 28.6



#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Tgt Ion: 42 Resp: 226
Ion Ratio Lower Upper
42 100
72 13.3 30.7 46.1#
71 0.0 29.1 43.7#

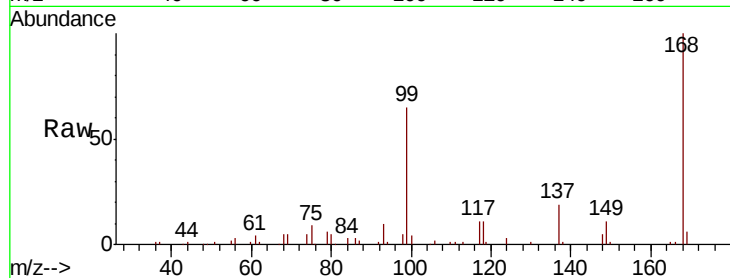




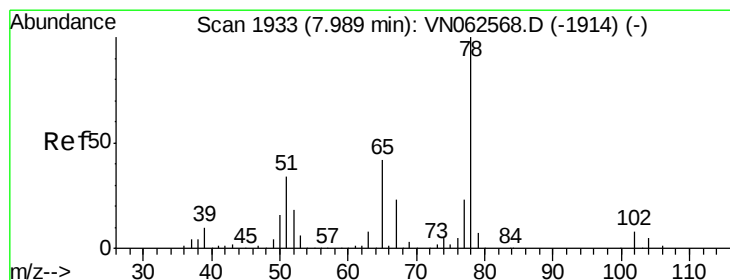
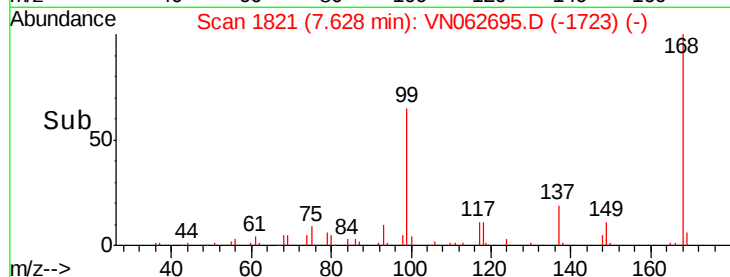
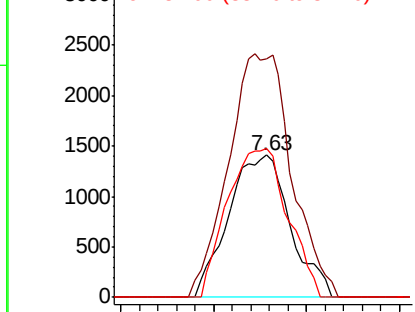
#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Instrument :
MSVOA_N
ClientSampled :
TP-3

Tot Ion: 56 Resp: 3261
Ion Ratio Lower Upper
56 100
69 167.8 25.3 37.9#
84 104.5 61.0 91.4#

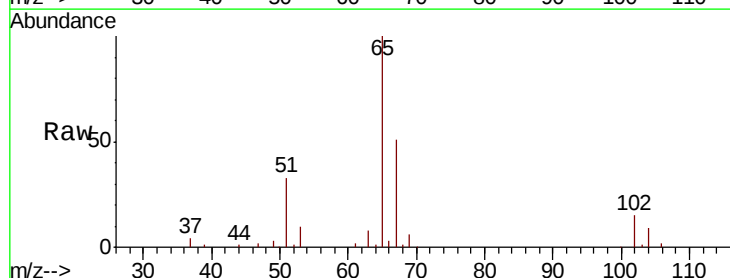


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

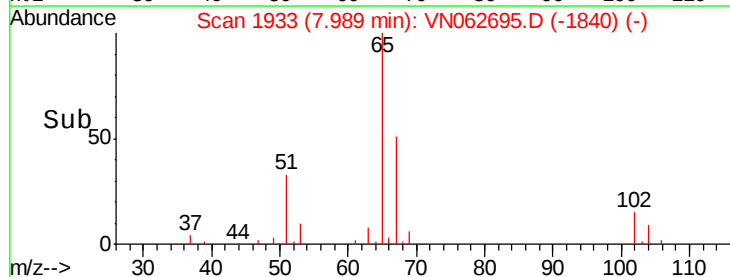
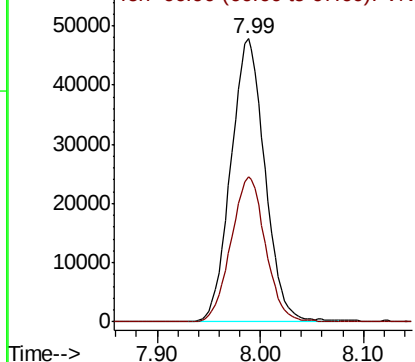


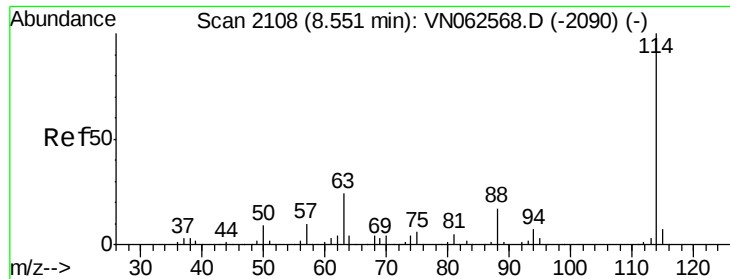
#33
1,2-Dichloroethane-d4
Concen: 57.574 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Tgt Ion: 65 Resp: 109994
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.0



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

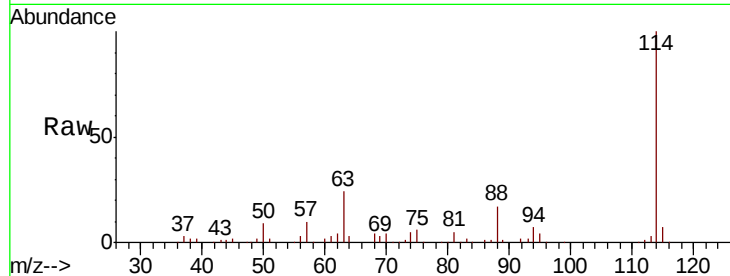




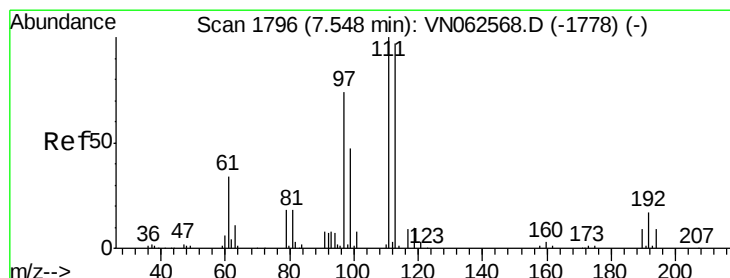
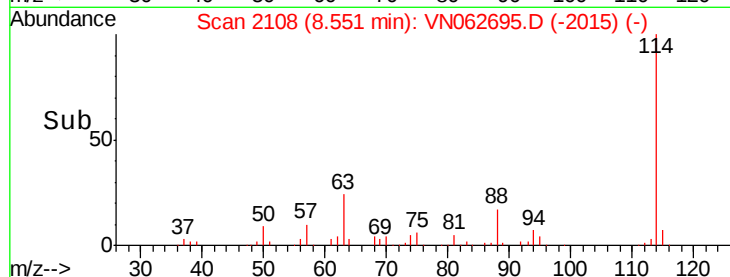
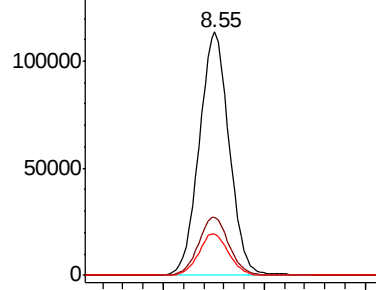
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tot Ion:114 Resp: 234825
Ion Ratio Lower Upper
114 100
63 24.0 0.0 48.4
88 17.0 0.0 33.8

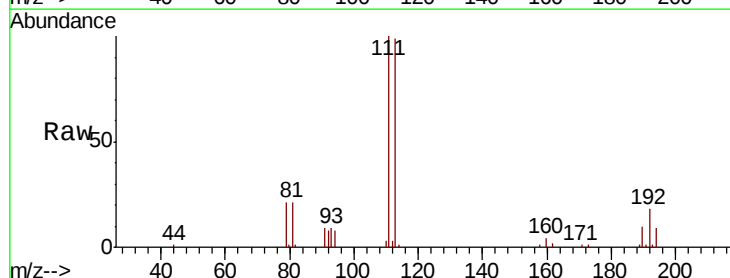


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

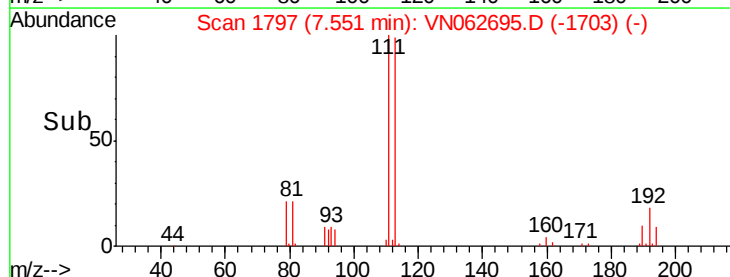
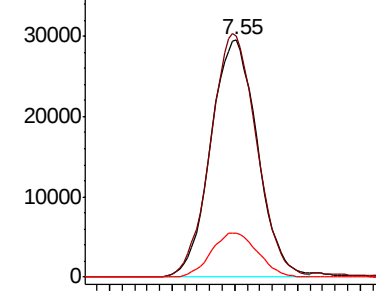


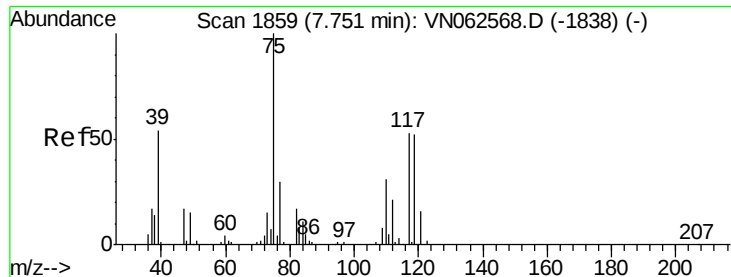
#35
Dibromofluoromethane
Concen: 49.566 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Tgt Ion:113 Resp: 76454
Ion Ratio Lower Upper
113 100
111 101.4 82.7 124.1
192 18.5 14.8 22.2



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

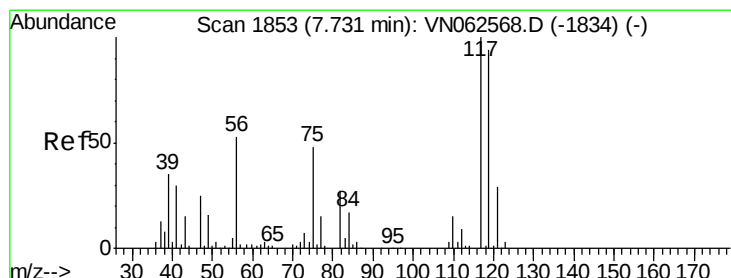
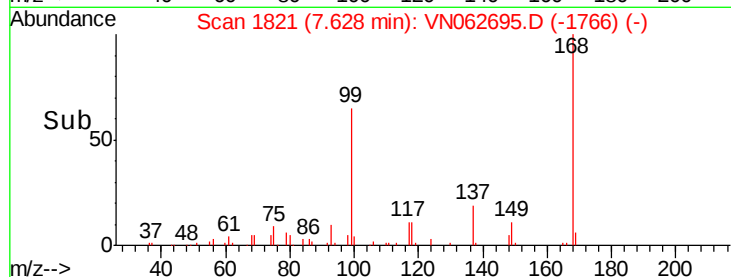
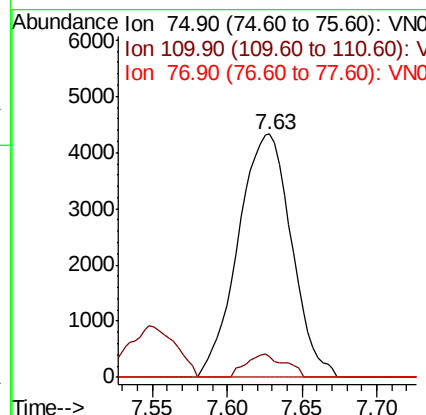
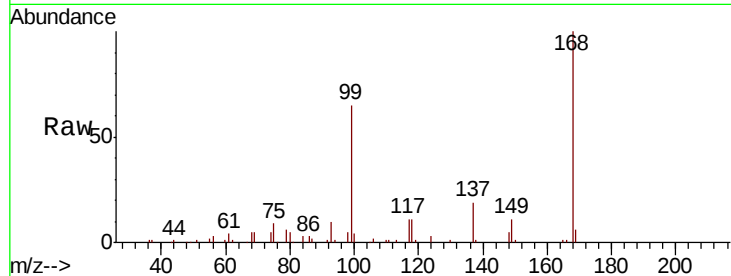




#36
 1,1-Dichloropropene
 Concen: 4.289 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

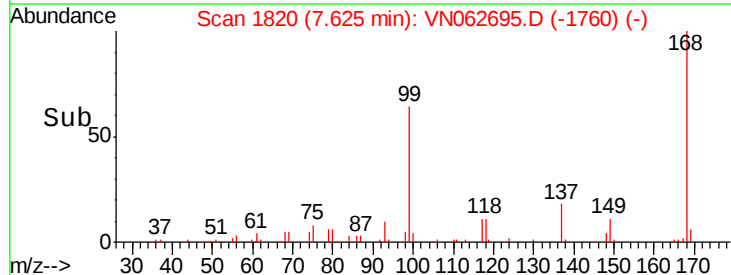
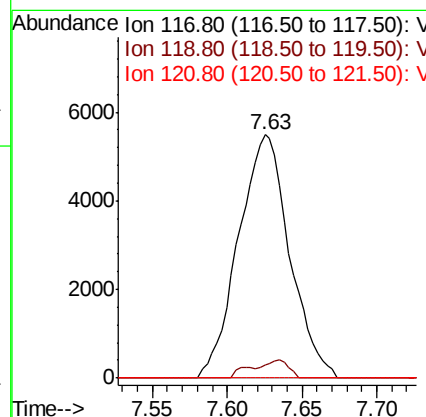
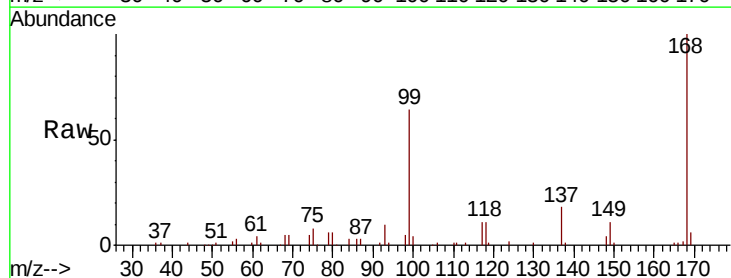
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3

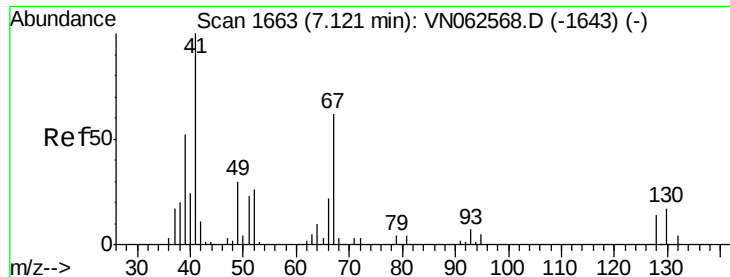
Tot Ion	75	Resp	10736
Ion Ratio	100	Lower	Upper
75	100		
110	6.9	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.413 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

Tgt Ion	117	Resp	13024
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.4	74.8	112.2#
121	0.0	23.0	34.6#

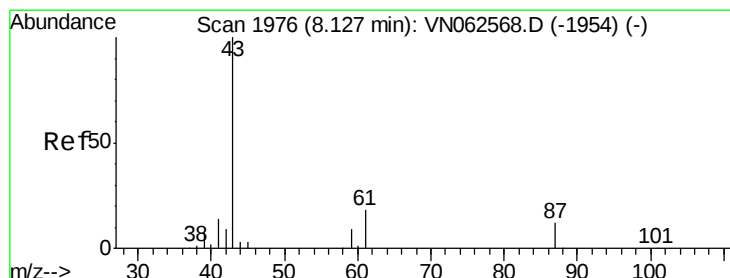
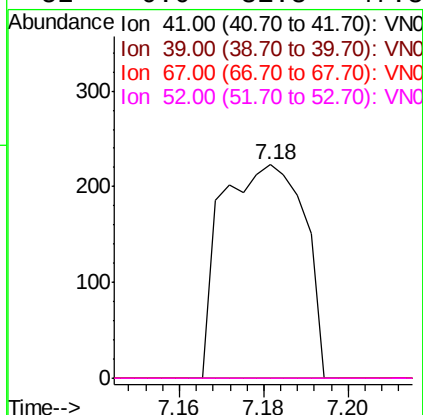
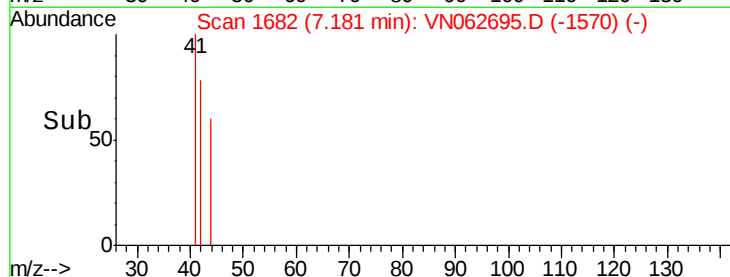
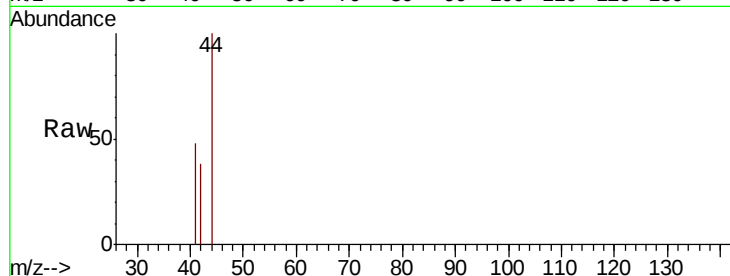




#41
Methacrylonitrile
Concen: 0.262 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.06 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

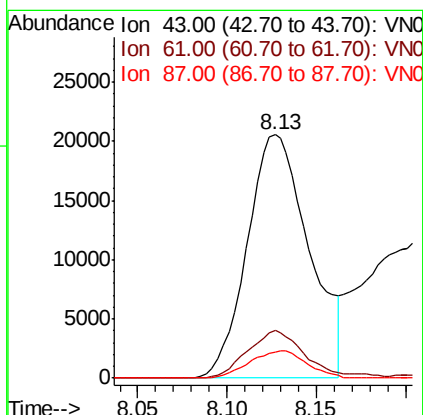
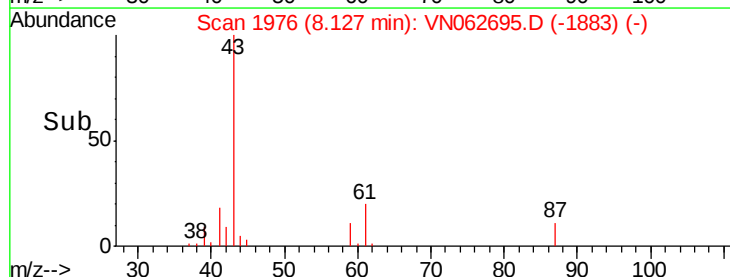
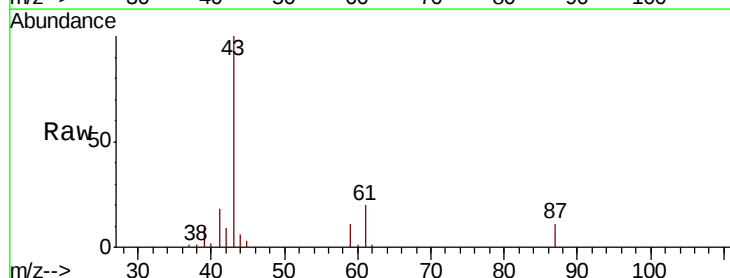
Instrument :
MSVOA_N
ClientSampled :
TP-3

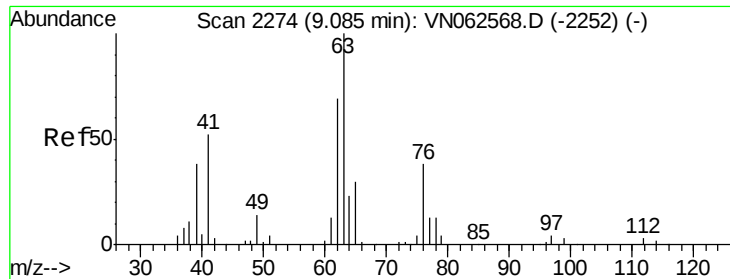
Tot Ion: 41 Resp: 303
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 72.5 108.7#
52 0.0 31.8 47.8#



#43
Isopropyl Acetate
Concen: 11.443 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Tgt Ion: 43 Resp: 49770
Ion Ratio Lower Upper
43 100
61 17.9 20.8 31.2#
87 10.3 9.2 13.8

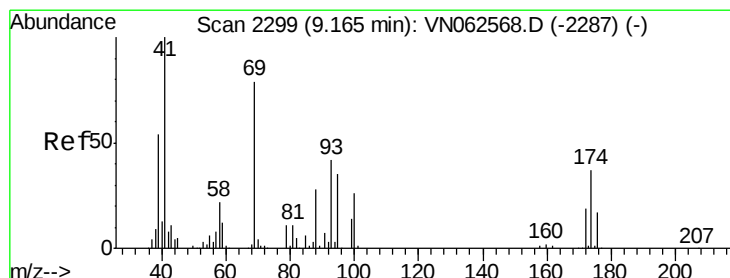
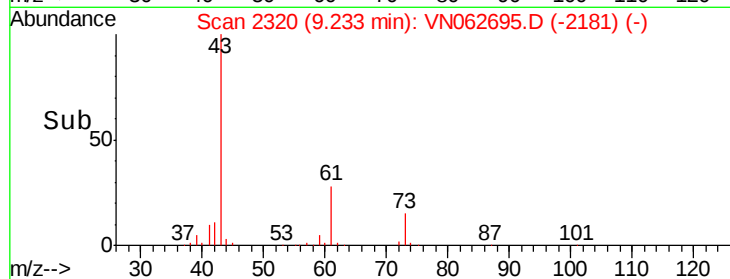
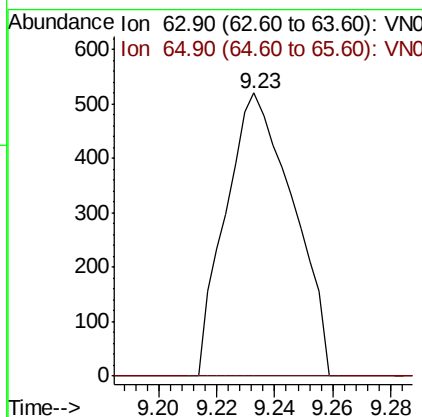
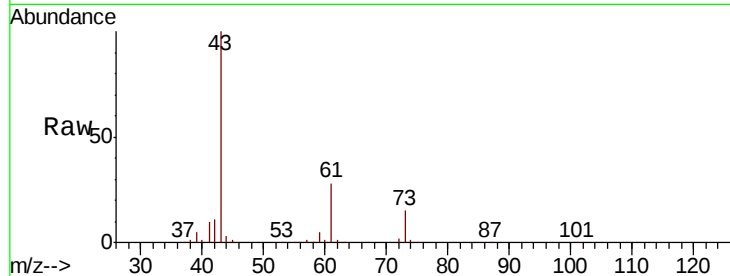




#45
 1,2-Dichloropropane
 Concen: 0.394 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

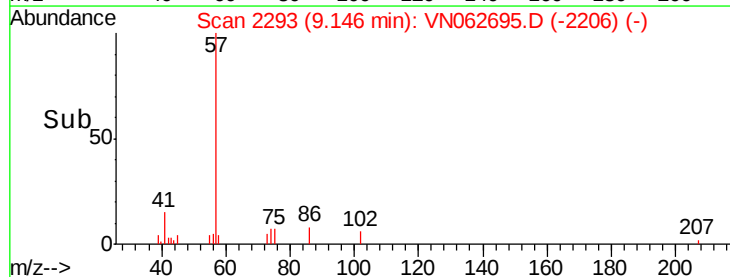
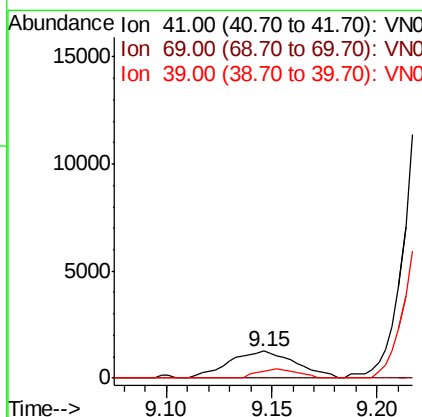
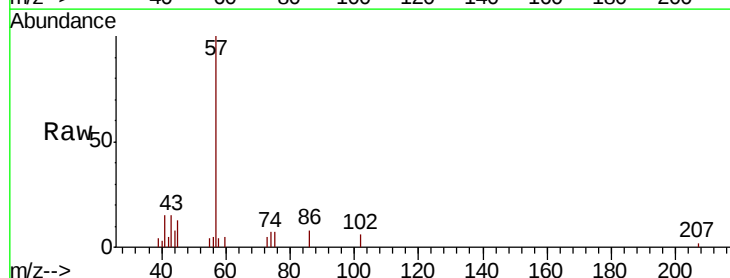
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

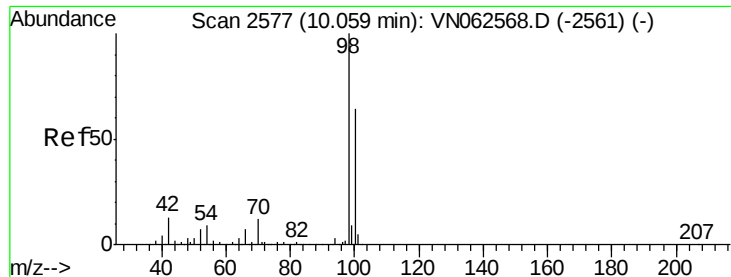
Tot Ion: 63 Resp: 838
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.351 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

Tgt Ion: 41 Resp: 2794
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 48.514 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062695.D

Acq: 31 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampled :

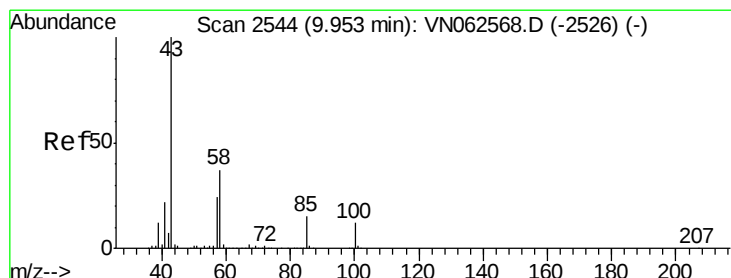
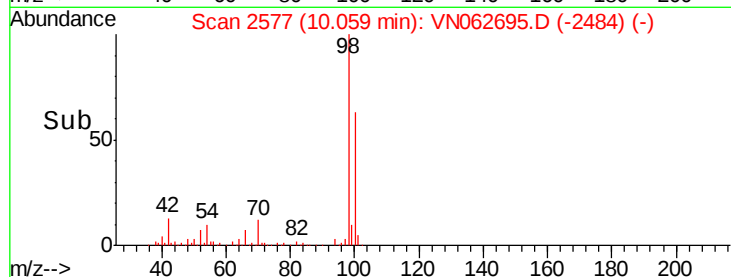
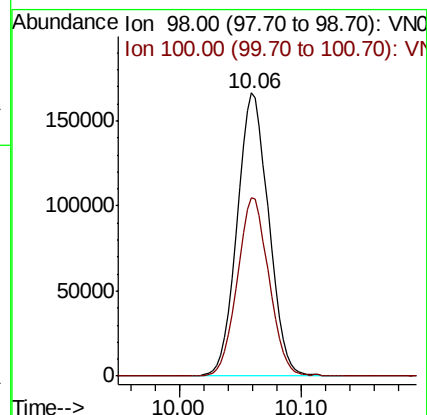
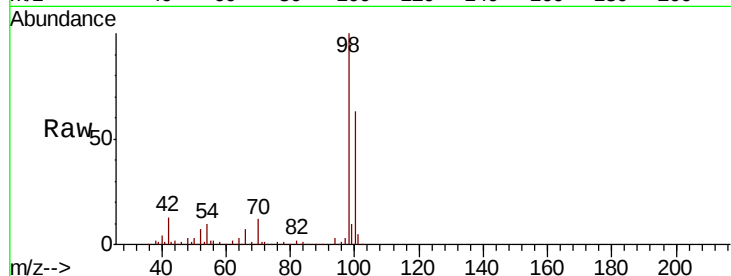
TP-3

Tot Ion: 98 Resp: 298572

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.987 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062695.D

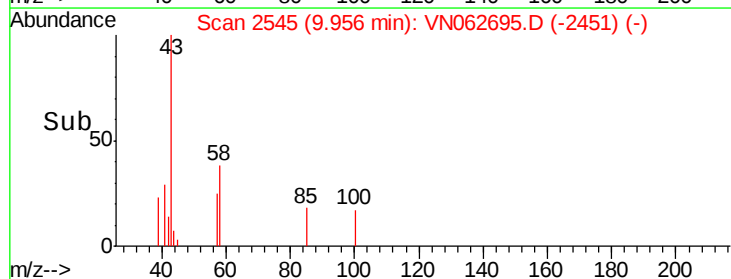
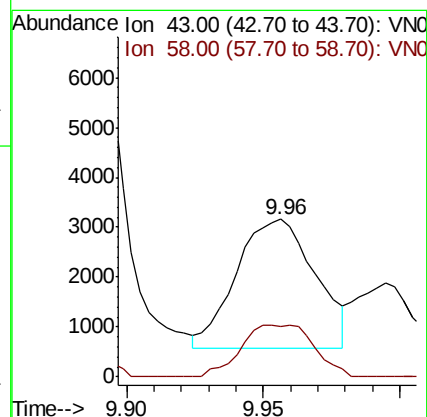
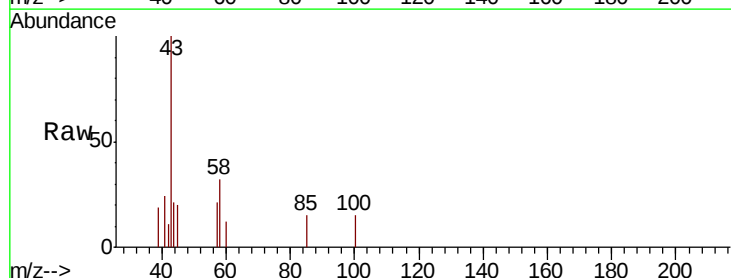
Acq: 31 Jul 2020 19:08

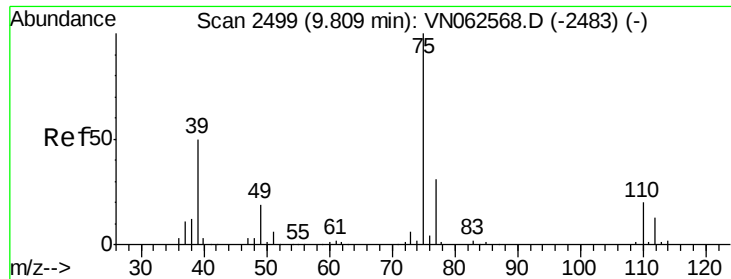
Tgt Ion: 43 Resp: 5172

Ion Ratio Lower Upper

43 100

58 37.3 29.8 44.6



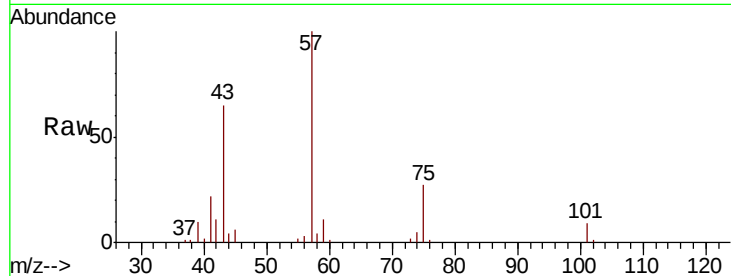


#54

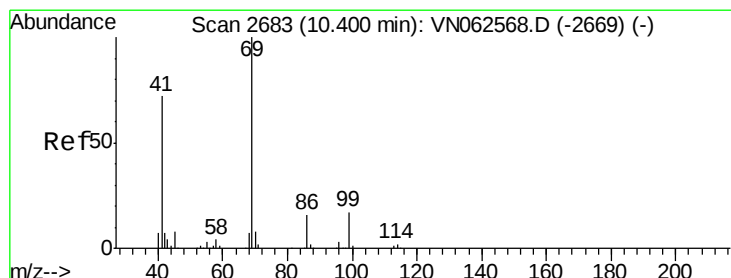
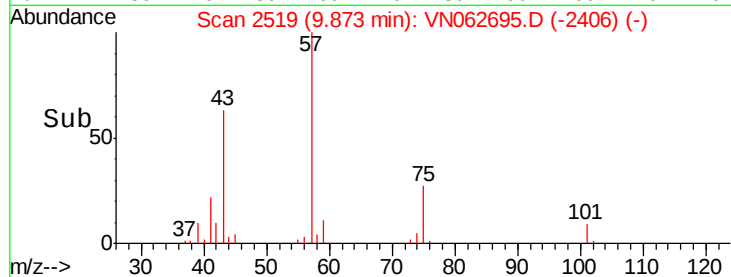
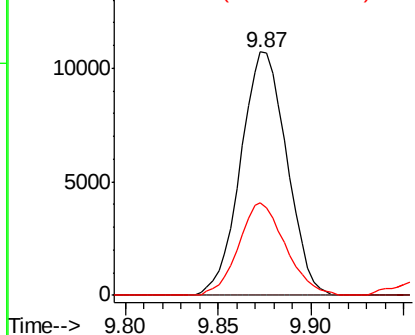
cis-1,3-Dichloropropene
 Concen: 5.836 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

Instrument :
 MSVOA_N
 ClientSampled :
 TP-3

Tot Ion: 75 Resp: 18573
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 38.1 39.8 59.8#



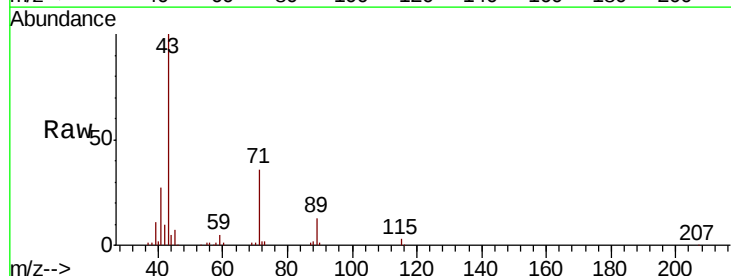
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



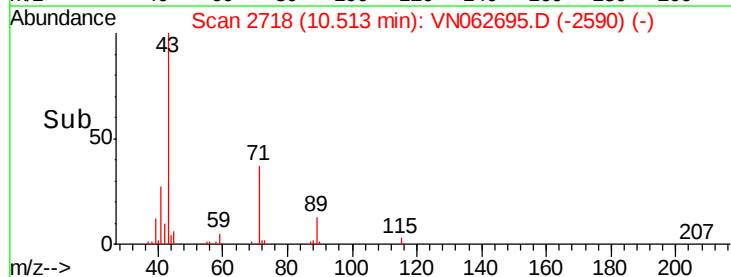
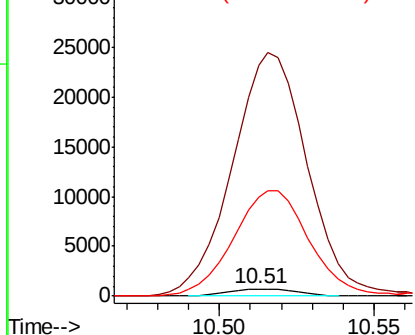
#56

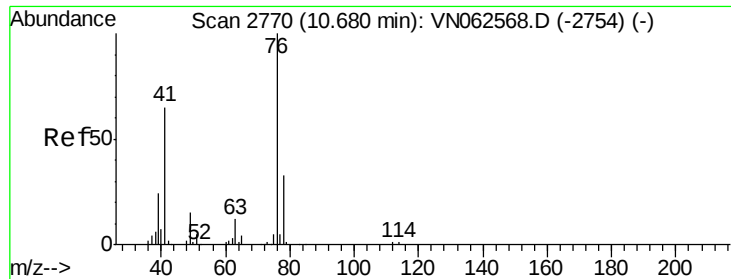
Ethyl methacrylate
 Concen: 2.120 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

Tgt Ion: 69 Resp: 1116
 Ion Ratio Lower Upper
 69 100
 41 3729.7 57.2 85.8#
 39 1622.8 28.6 43.0#



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

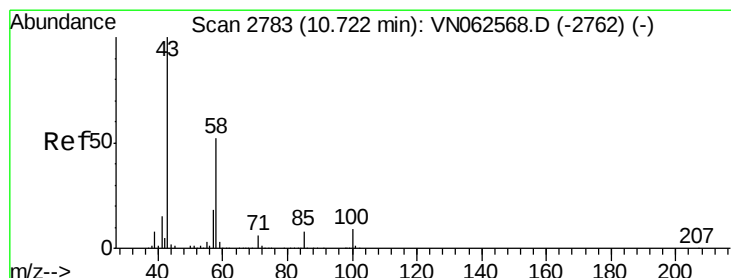
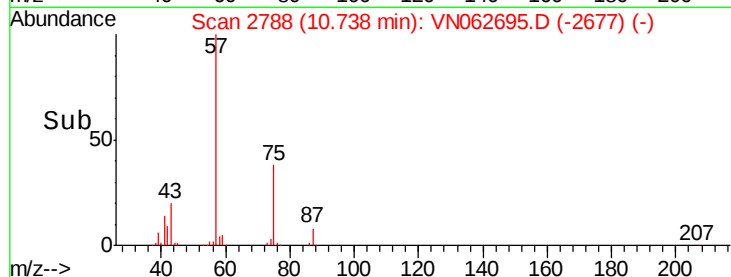
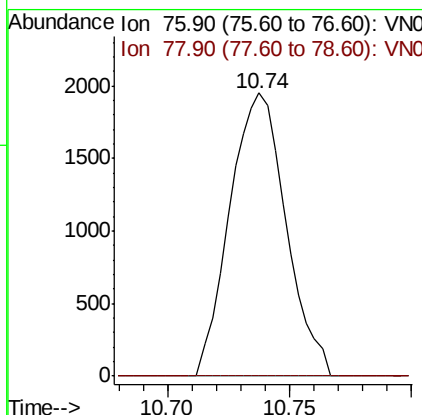
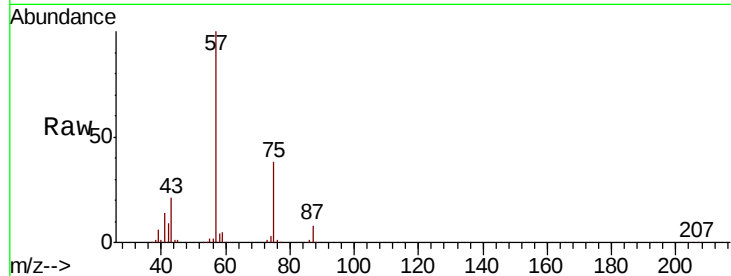




#57
 1,3-Dichloropropane
 Concen: 0.997 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

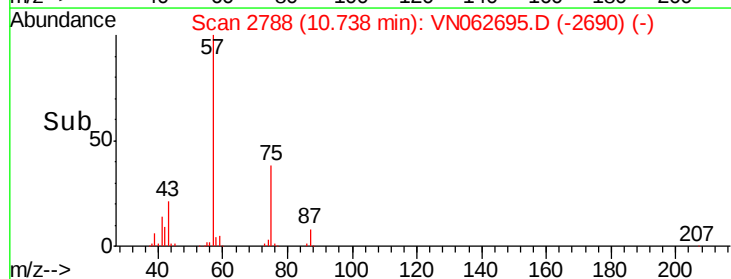
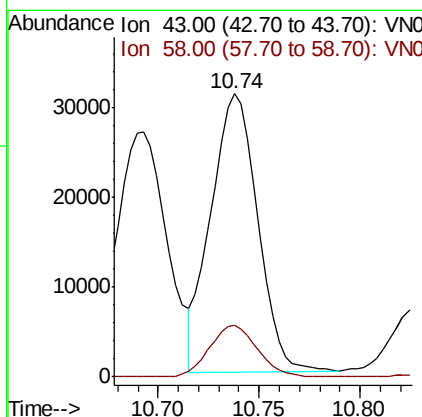
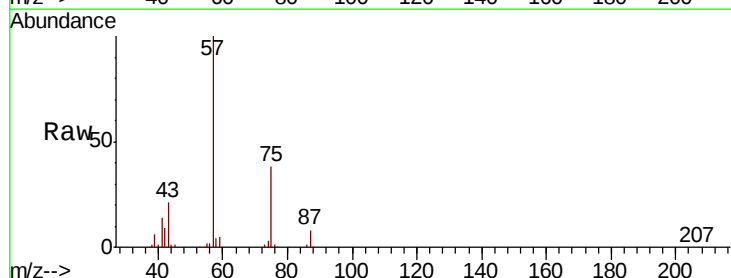
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3

Tot Ion: 76 Resp: 3119
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 27.497 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062695.D
 Acq: 31 Jul 2020 19:08

Tgt Ion: 43 Resp: 49978
 Ion Ratio Lower Upper
 43 100
 58 18.8 26.0 78.0#

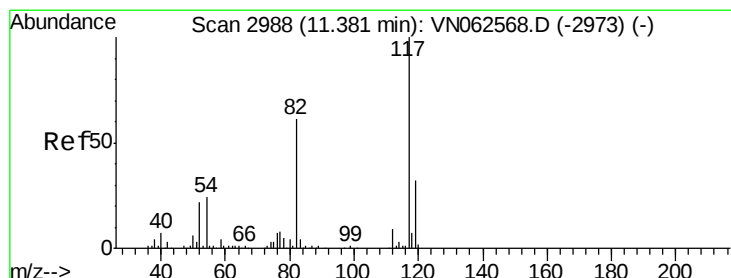
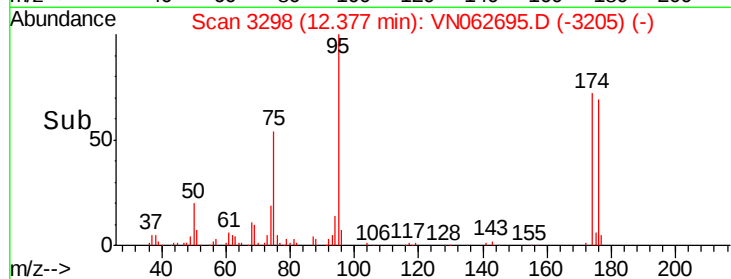
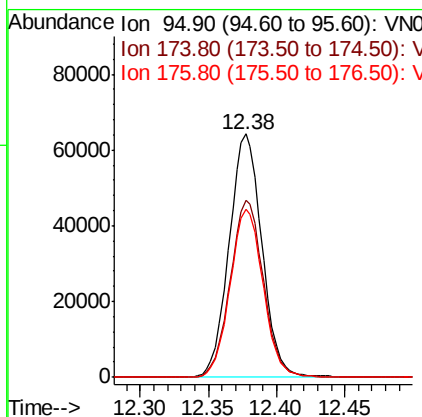
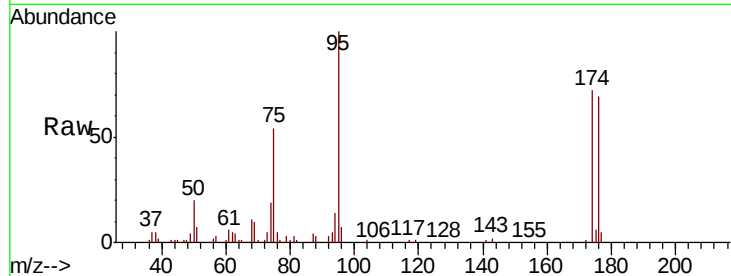




#62
4-Bromofluorobenzene
Concen: 47.684 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

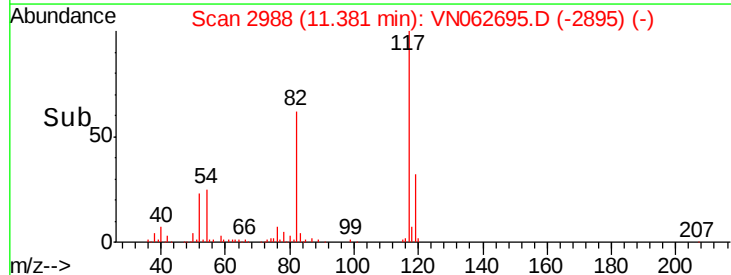
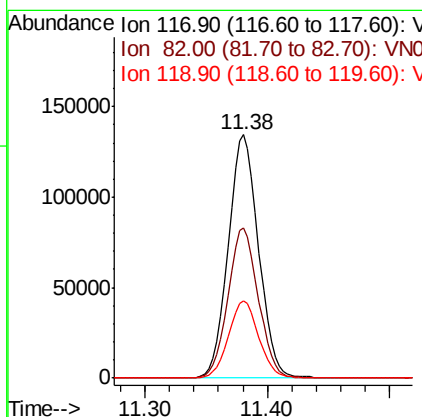
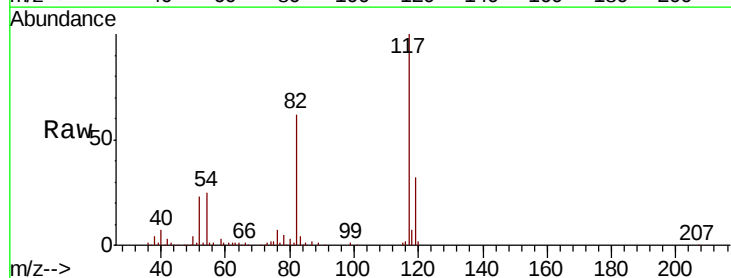
Instrument :
MSVOA_N
ClientSampled :
TP-3

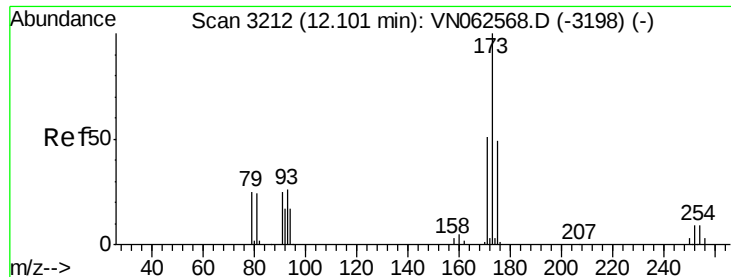
Tot Ion	95	Resp	107303
Ion Ratio	Lower	Upper	
95	100		
174	73.5	0.0	144.6
176	69.5	0.0	139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062695.D
Acq: 31 Jul 2020 19:08

Tgt Ion	117	Resp	232719
Ion Ratio	Lower	Upper	
117	100		
82	61.8	49.0	73.6
119	31.9	25.4	38.2





#71

Bromoform

Concen: 0.385 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062695.D

Acq: 31 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampled :

TP-3

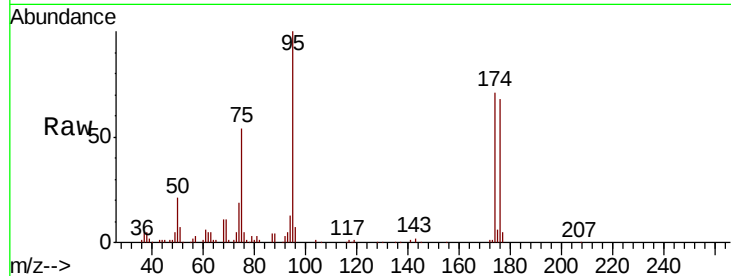
Tot Ion:173 Resp: 530

Ion Ratio Lower Upper

173 100

175 983.0 24.1 72.2#

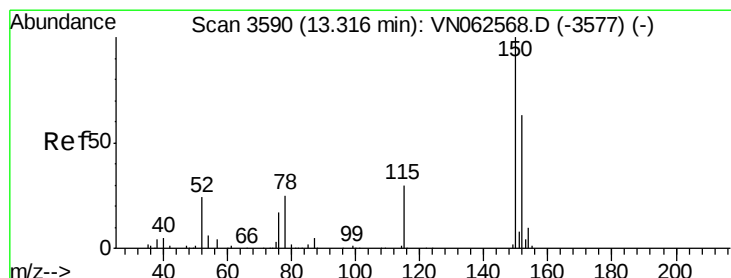
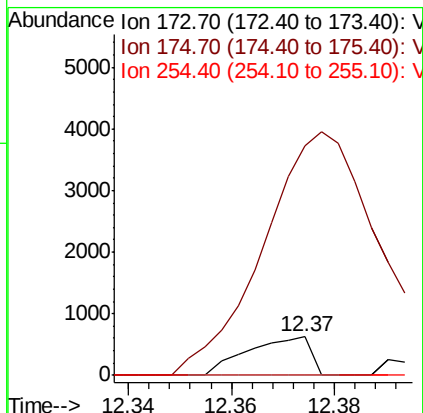
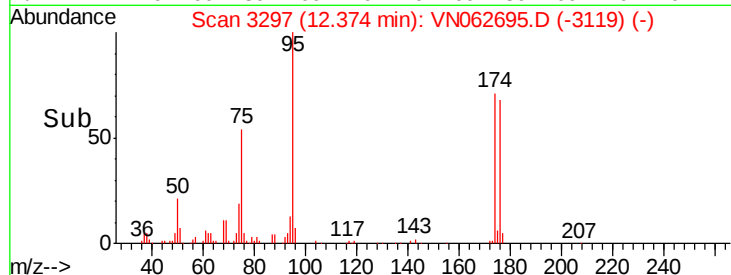
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062695.D

Acq: 31 Jul 2020 19:08

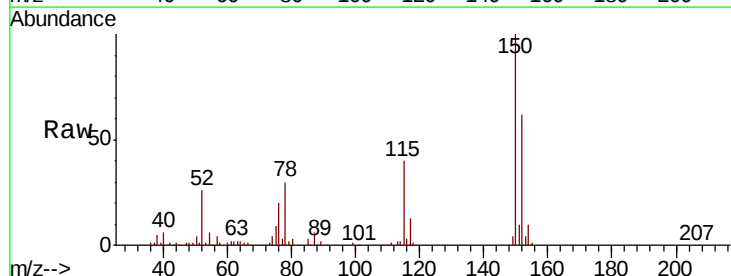
Tgt Ion:152 Resp: 80651

Ion Ratio Lower Upper

152 100

115 64.1 31.8 95.4

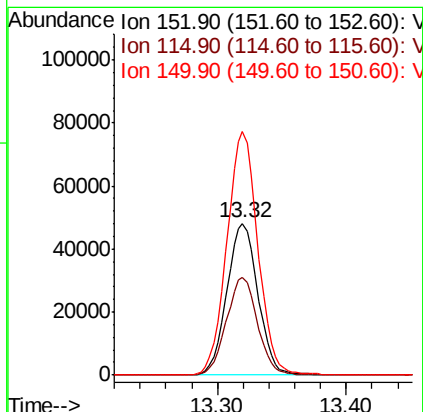
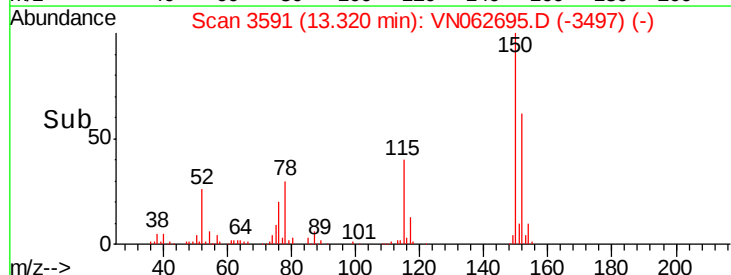
150 159.5 0.0 351.4

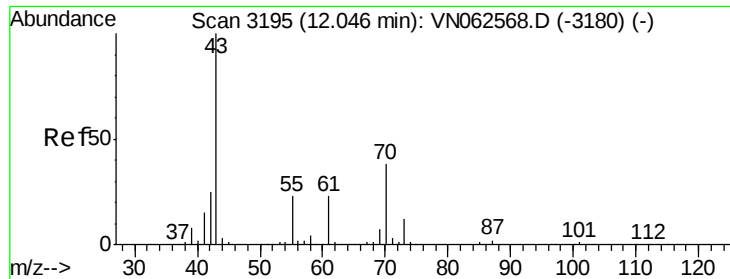


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.701 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062695.D

Acq: 31 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampled :

TP-3

Tot Ion: 43 Resp: 1995

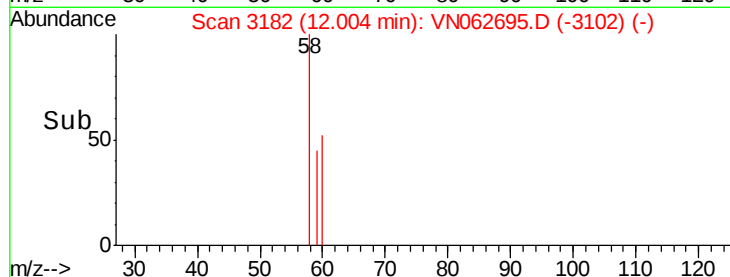
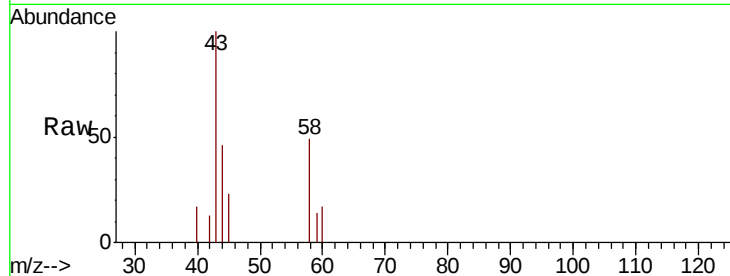
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

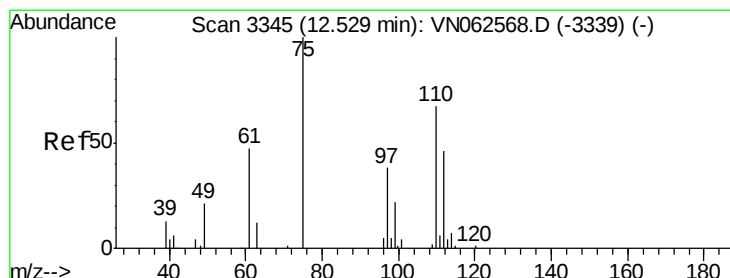
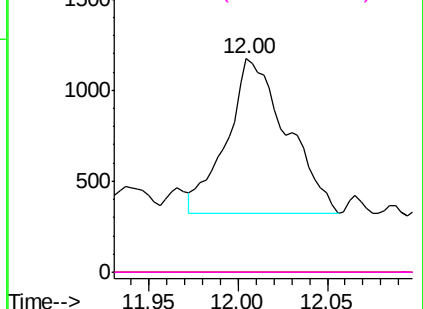


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.647 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062695.D

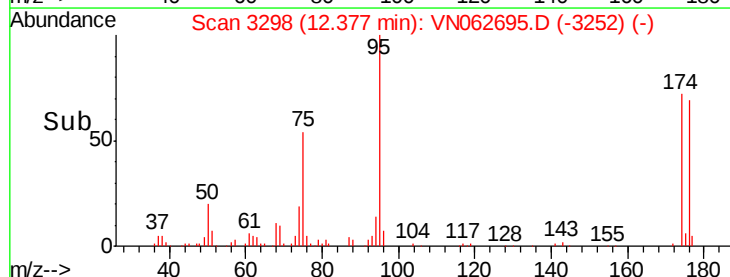
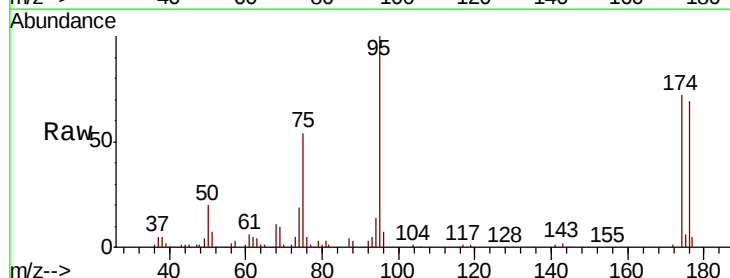
Acq: 31 Jul 2020 19:08

Tgt Ion: 75 Resp: 58808

Ion Ratio Lower Upper

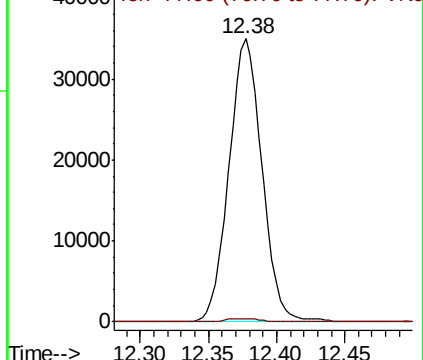
75 100

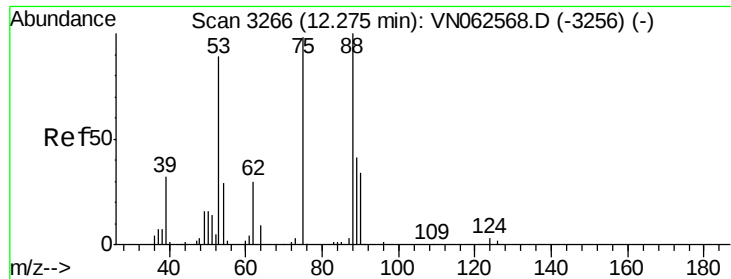
77 1.1 0.0 0.0#



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: 79.746 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062695.D

Acq: 31 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

TP-3

Tot Ion: 75 Resp: 58808

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

