

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062619.D
 Acq On : 27 Jul 2020 23:26
 Operator : JC/MD
 Sample : L3439-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20200440-3001C

Quant Time: Jul 28 06:28:18 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	135145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	242755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107740	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	116329	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	
35) Dibromofluoromethane	7.55	113	81887	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	10.06	98	316100	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.38	95	121759	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

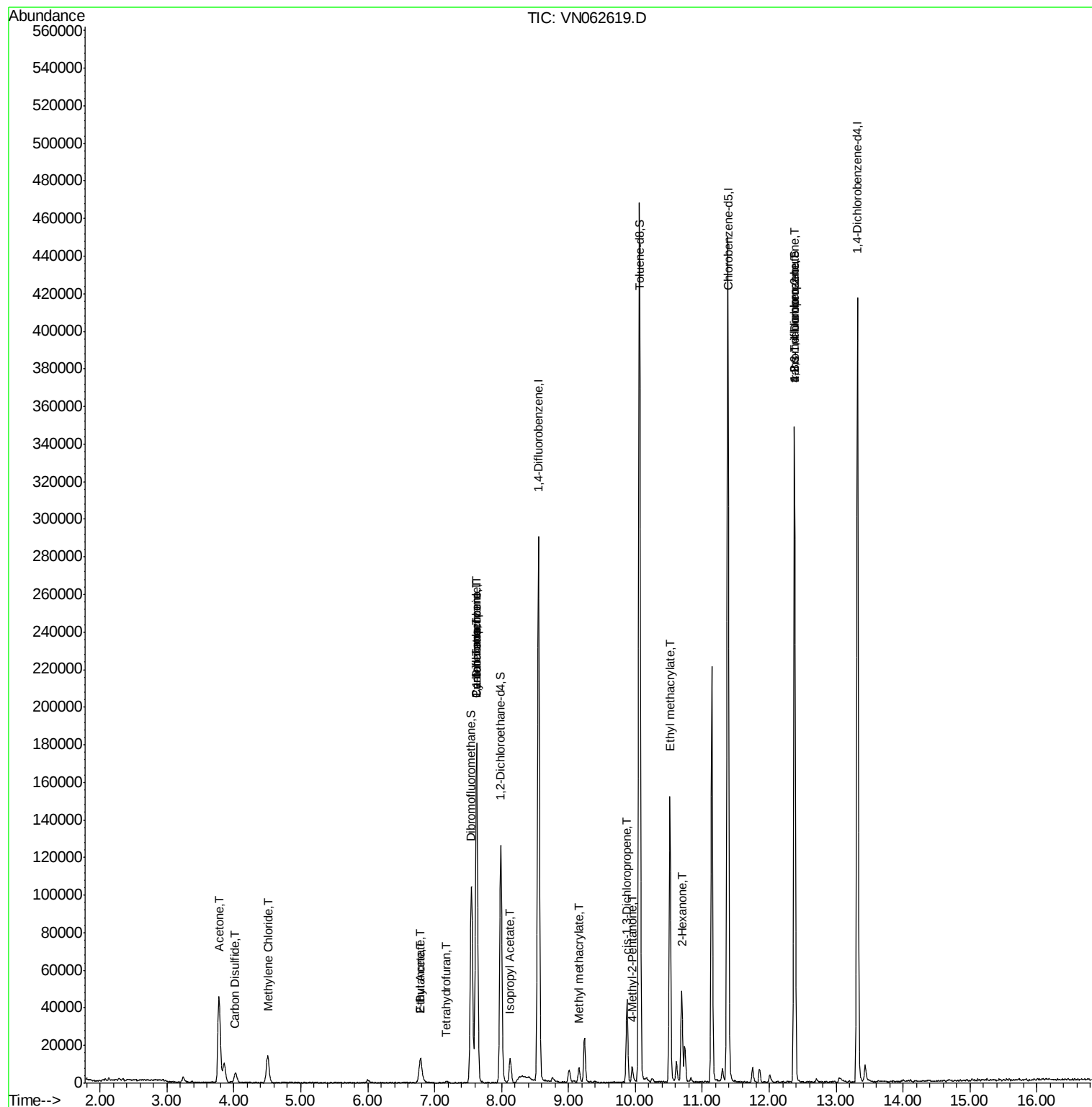
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	80436	101.815	ug/l	100
17) Carbon Disulfide	4.01	76	2345	0.493	ug/l #	75
20) Methylene Chloride	4.50	84	10495	5.539	ug/l	89
25) 2-Butanone	6.79	43	19288	16.031	ug/l	97
29) Tetrahydrofuran	7.17	42	193	0.237	ug/l #	38
31) Cyclohexane	7.62	56	3216	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12296	4.762	ug/l #	51
37) Ethyl Acetate	6.79	43	19288	6.930	ug/l #	69
38) Carbon Tetrachloride	7.63	117	14762	5.948	ug/l #	17
43) Isopropyl Acetate	8.13	43	15496	3.453	ug/l #	89
48) Methyl methacrylate	9.14	41	2112	0.990	ug/l #	23
51) 4-Methyl-2-Pentanone	9.96	43	5227	1.947	ug/l	94
54) cis-1,3-Dichloropropene	9.88	75	7253	2.209	ug/l #	69
56) Ethyl methacrylate	10.52	69	633	1.962	ug/l #	1
59) 2-Hexanone	10.69	43	40156	22.070	ug/l #	26
76) 1,2,3-Trichloropropane	12.38	75	66458	24.234	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66458	67.461	ug/l #	12

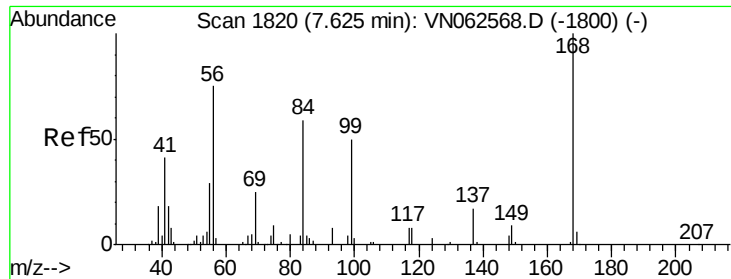
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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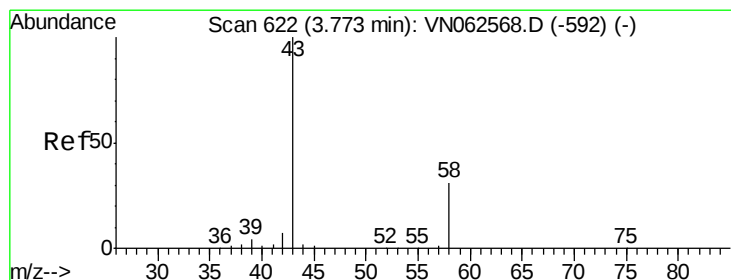
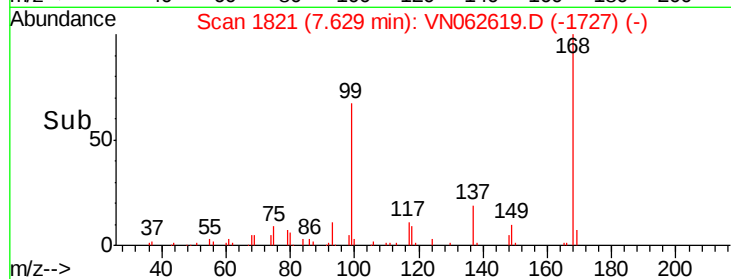
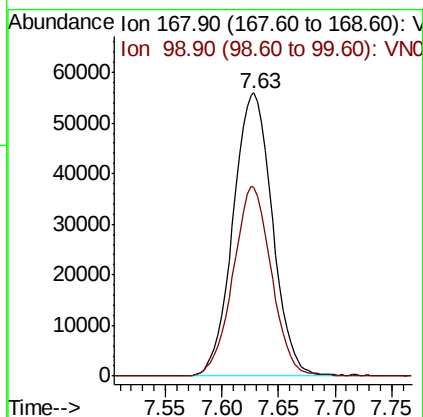
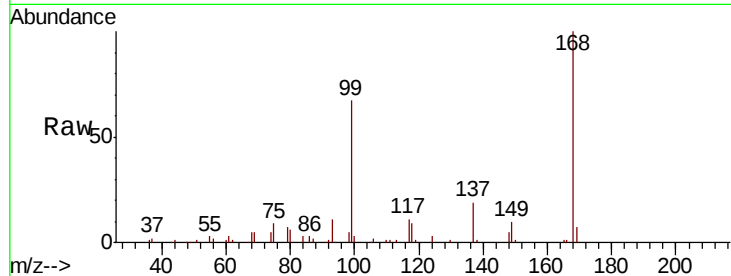




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

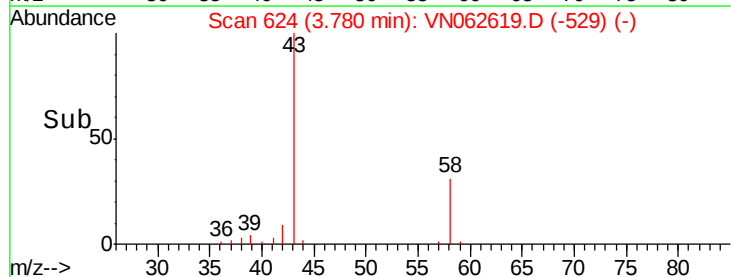
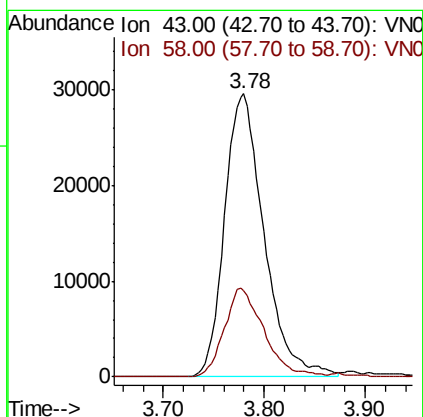
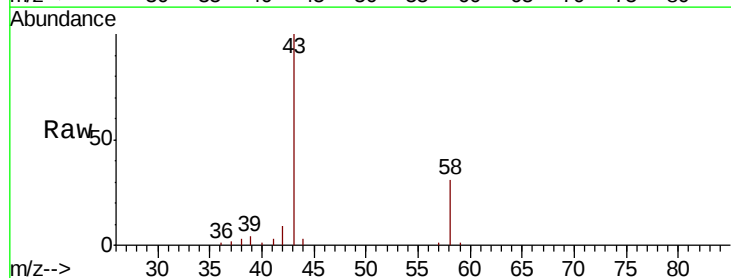
Instrument :
MSVOA_N
ClientSampleId :
20200440-3001C

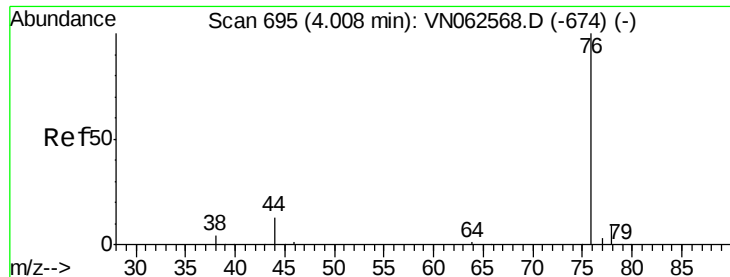
Tot Ion:168 Resp: 135145
Ion Ratio Lower Upper
168 100
99 66.6 48.4 72.6



#16
Acetone
Concen: 101.815 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

Tgt Ion: 43 Resp: 80436
Ion Ratio Lower Upper
43 100
58 30.7 24.6 37.0

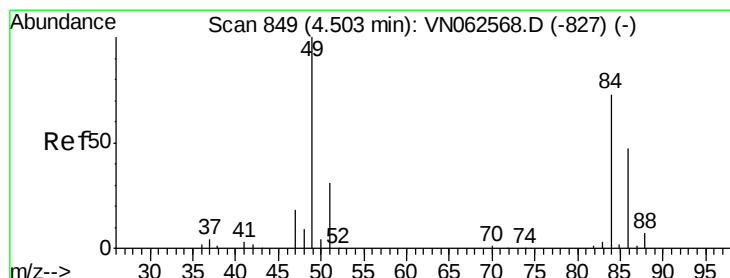
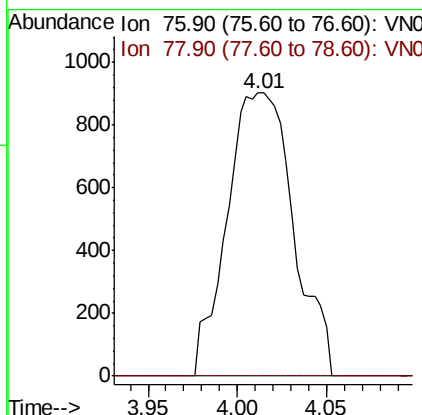
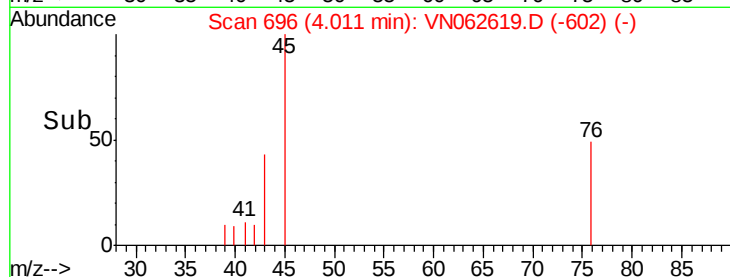
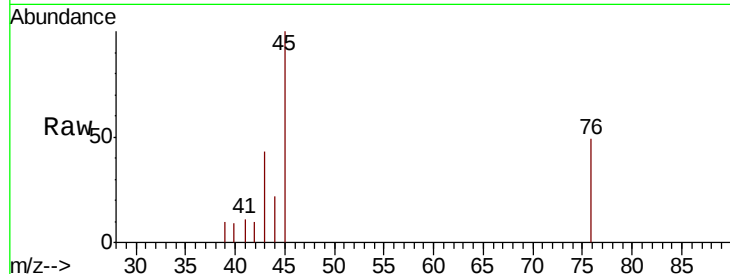




#17
Carbon Disulfide
Concen: 0.493 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

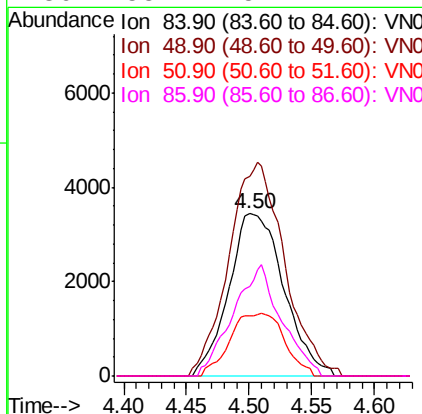
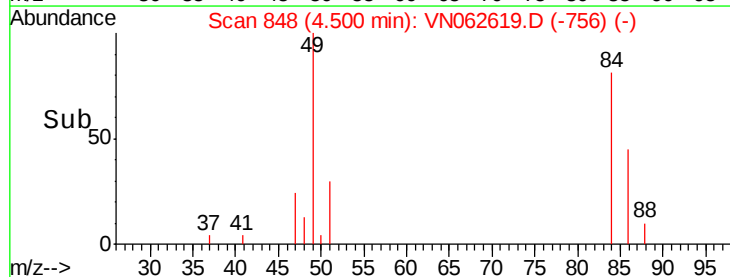
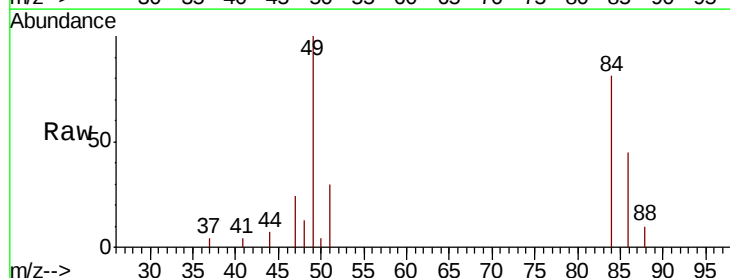
Instrument :
MSVOA_N
ClientSampleId :
20200440-3001C

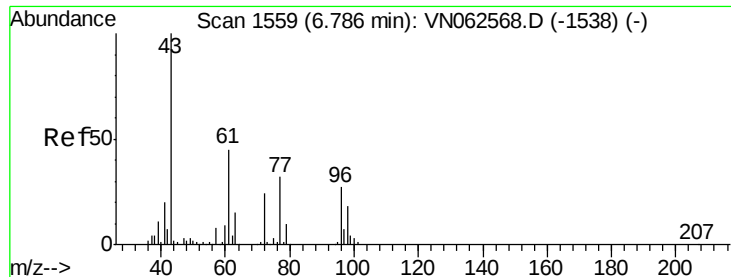
Tot Ion: 76 Resp: 2345
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 5.539 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

Tgt Ion: 84 Resp: 10495
Ion Ratio Lower Upper
84 100
49 123.4 109.4 164.0
51 36.7 33.6 50.4
86 55.1 51.4 77.2





#25

2-Butanone

Concen: 16.031 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

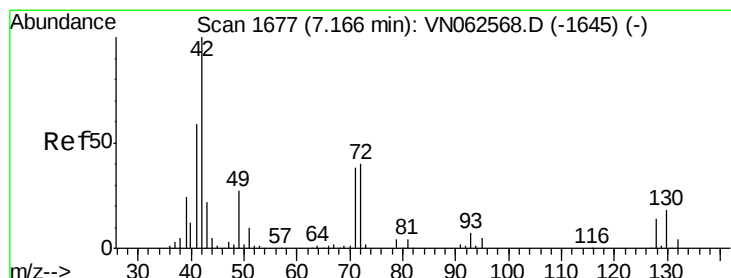
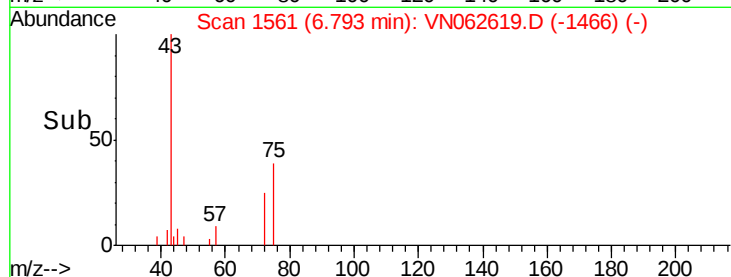
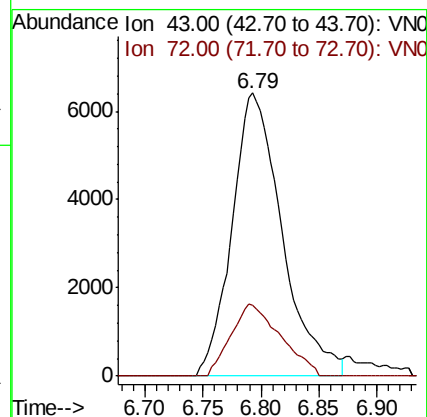
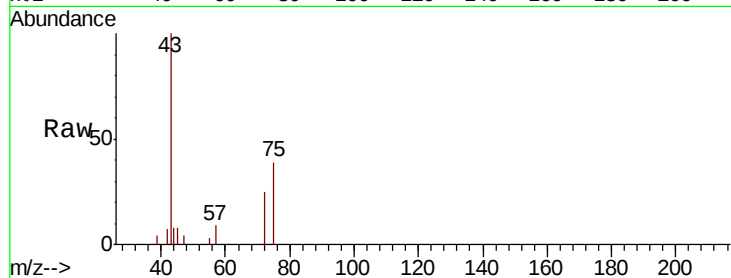
20200440-3001C

Tot Ion: 43 Resp: 19288

Ion Ratio Lower Upper

43 100

72 25.2 19.0 28.6



#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

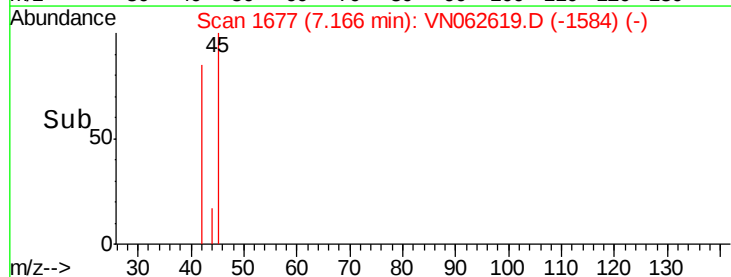
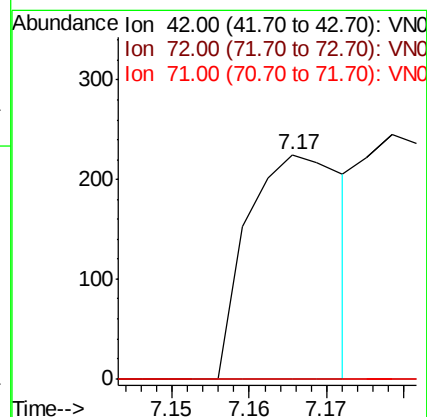
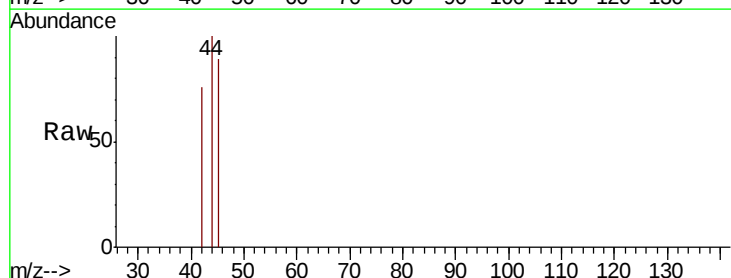
Tgt Ion: 42 Resp: 193

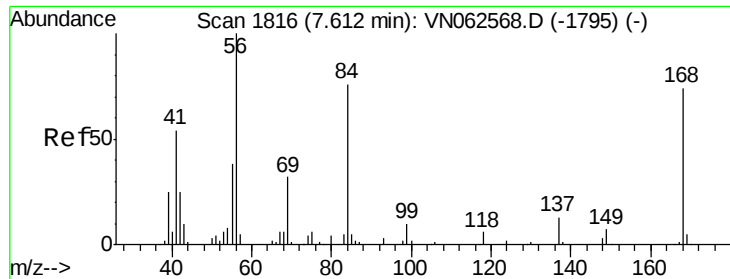
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 29.1 43.7#

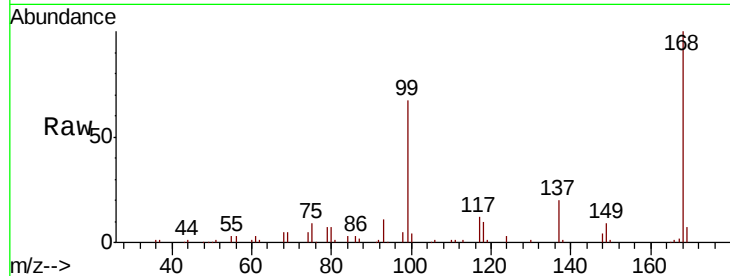




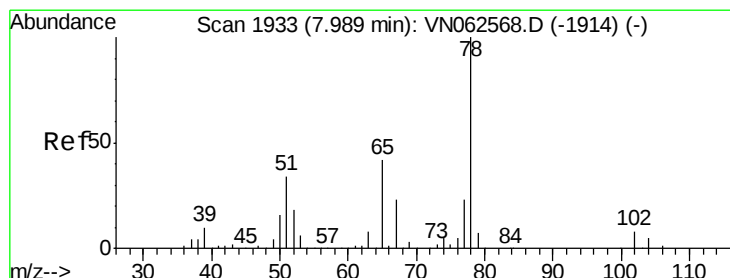
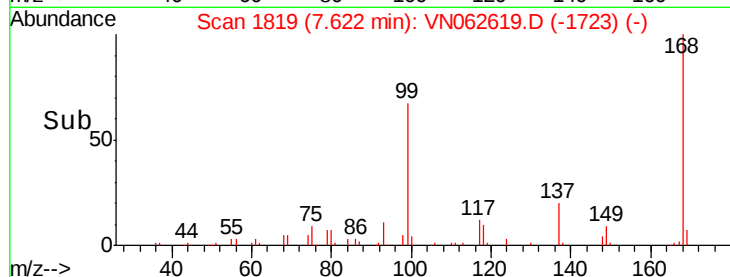
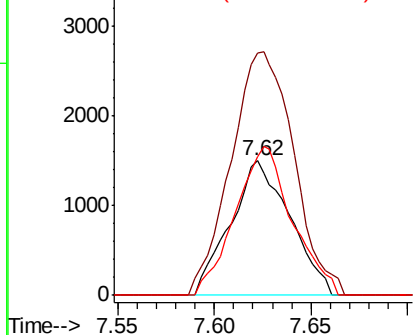
#31
Cyclohexane
Concen: 1.040 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
20200440-3001C

Tot Ion: 56 Resp: 3216
Ion Ratio Lower Upper
56 100
69 180.0 25.3 37.9#
84 103.5 61.0 91.4#

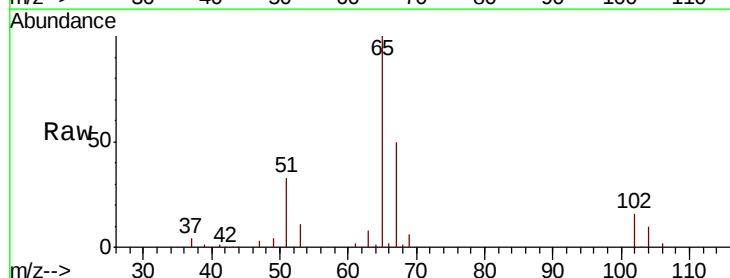


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

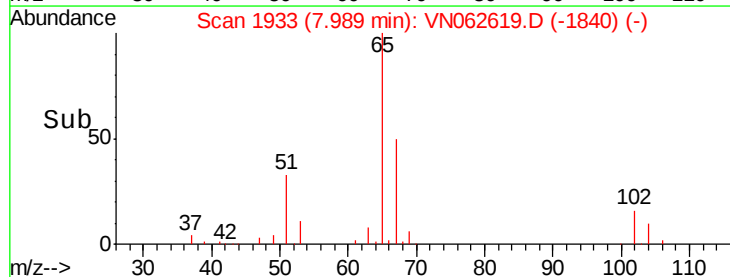
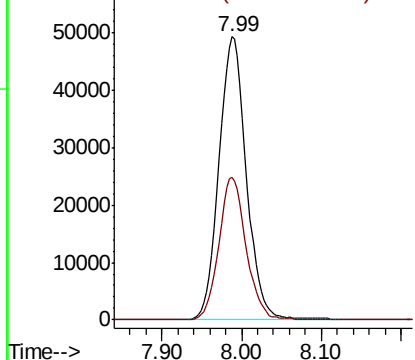


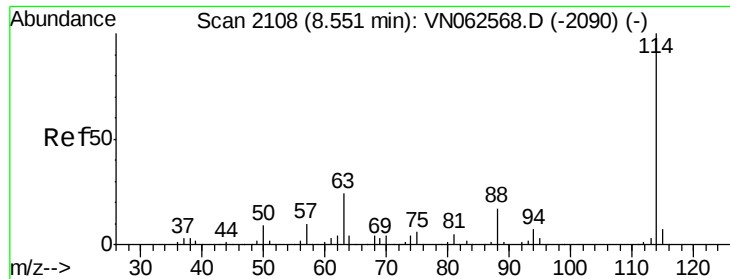
#33
1,2-Dichloroethane-d4
Concen: 55.410 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

Tgt Ion: 65 Resp: 116329
Ion Ratio Lower Upper
65 100
67 49.9 0.0 106.0



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

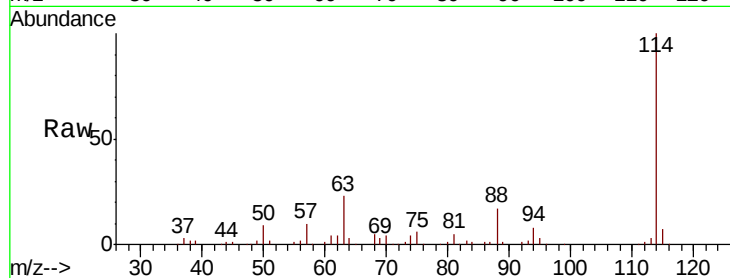




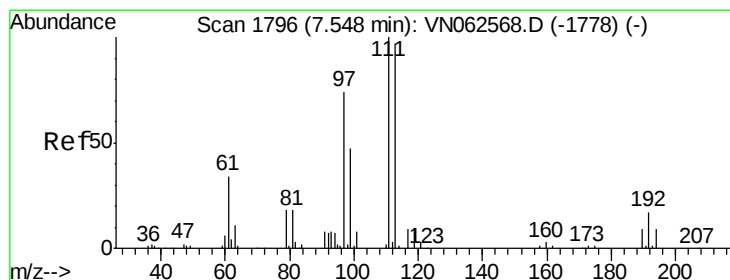
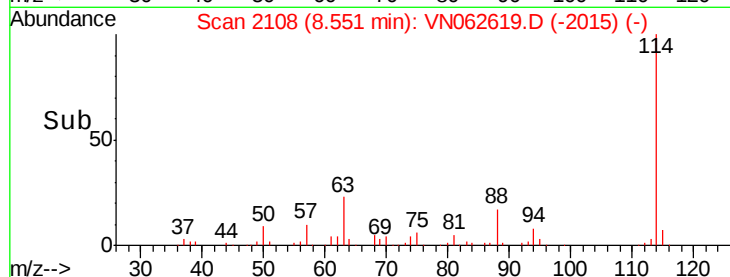
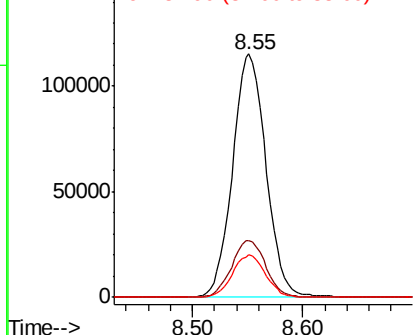
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062619.D
 Acq: 27 Jul 2020 23:26

Instrument :
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Tot Ion:114 Resp: 242254
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 48.4
 88 17.4 0.0 33.8

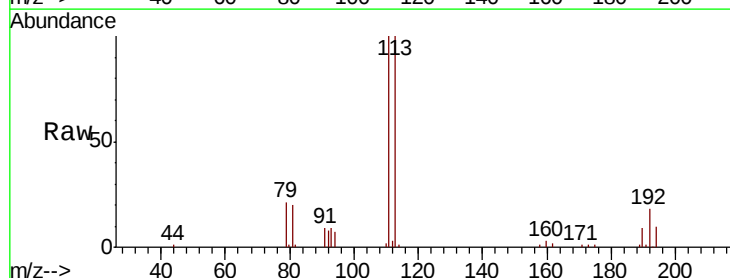


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

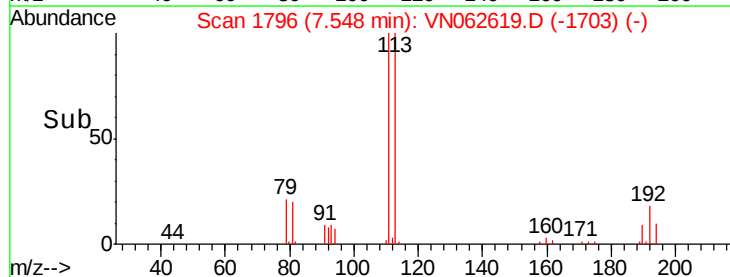
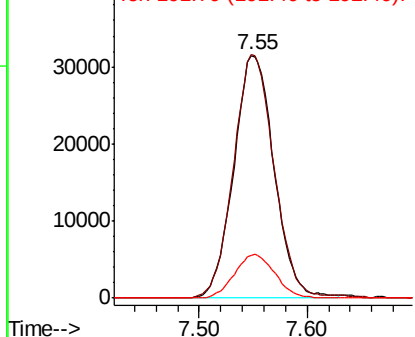


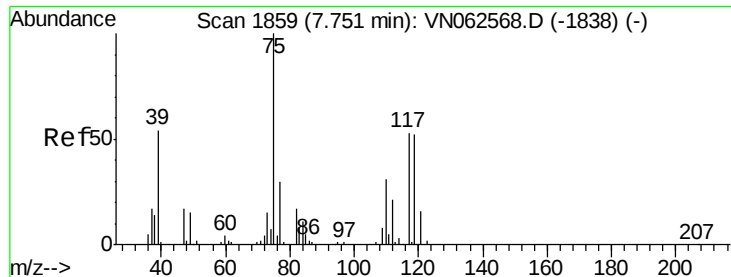
#35
 Dibromofluoromethane
 Concen: 51.460 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062619.D
 Acq: 27 Jul 2020 23:26

Tgt Ion:113 Resp: 81887
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.7 124.1
 192 17.9 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

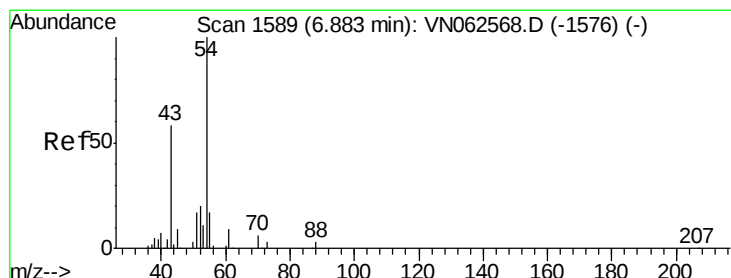
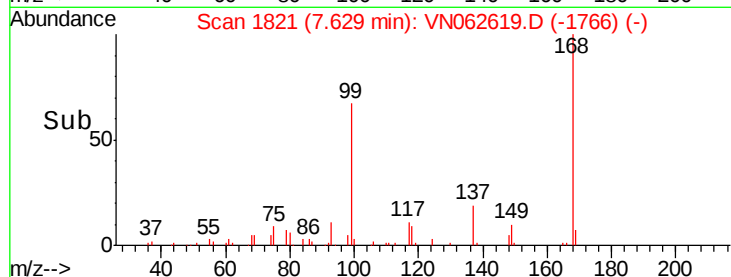
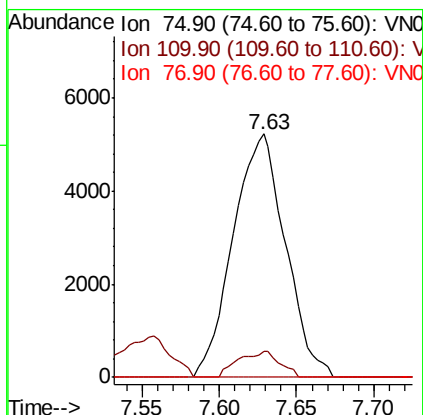
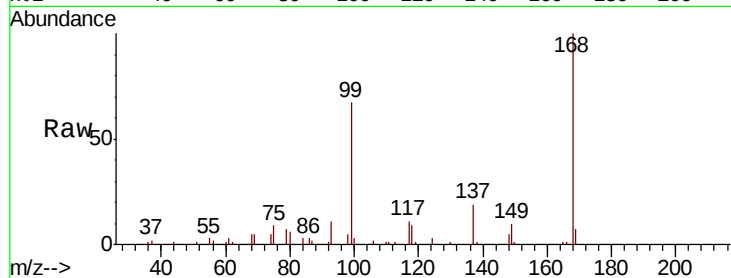




#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062619.D
 Acq: 27 Jul 2020 23:26

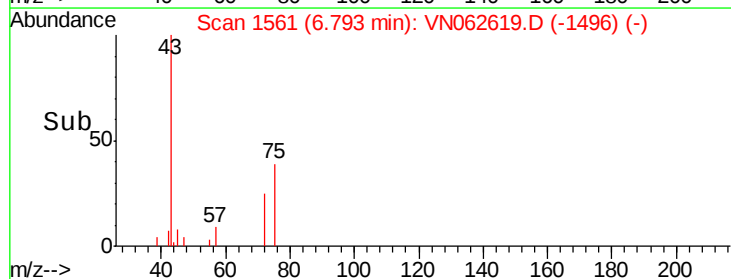
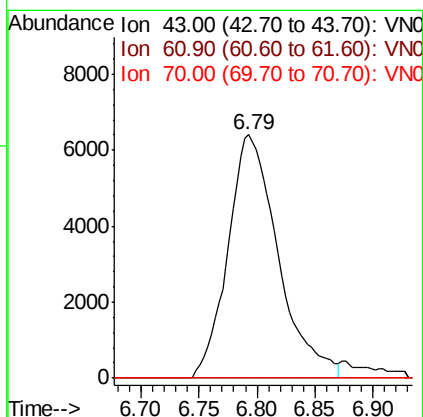
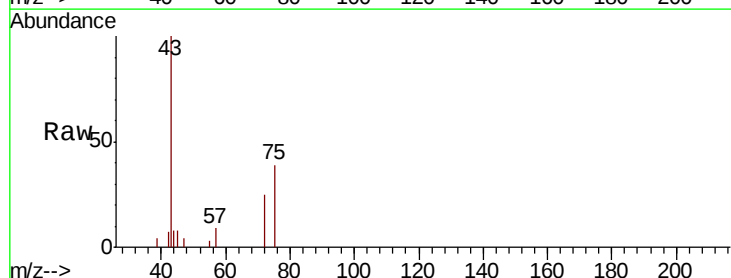
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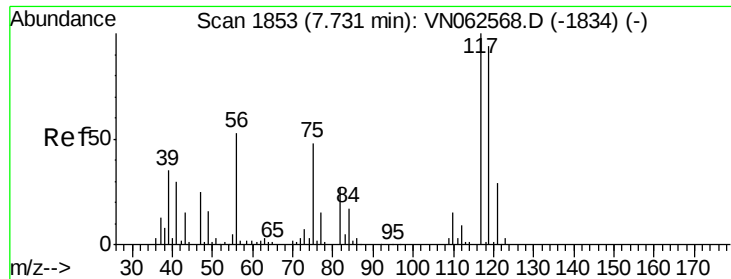
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 6.930 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.09 min
 Lab File: VN062619.D
 Acq: 27 Jul 2020 23:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 5.948 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

20200440-3001C

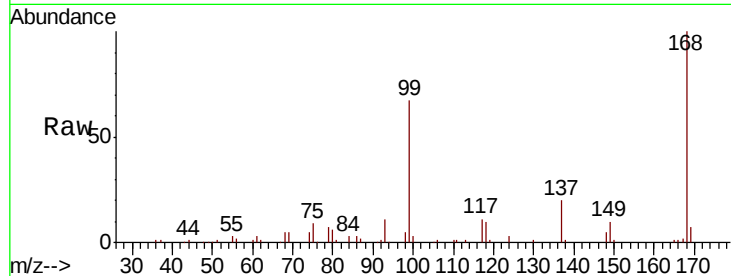
Tot Ion:117 Resp: 14762

Ion Ratio Lower Upper

117 100

119 5.0 74.8 112.2#

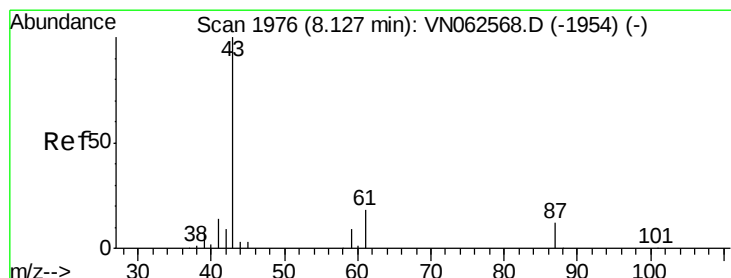
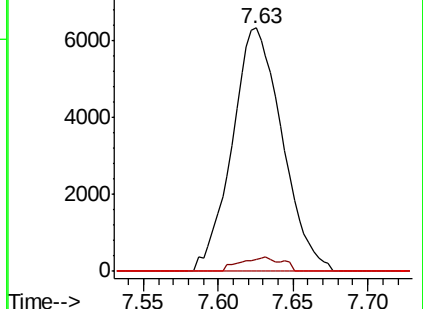
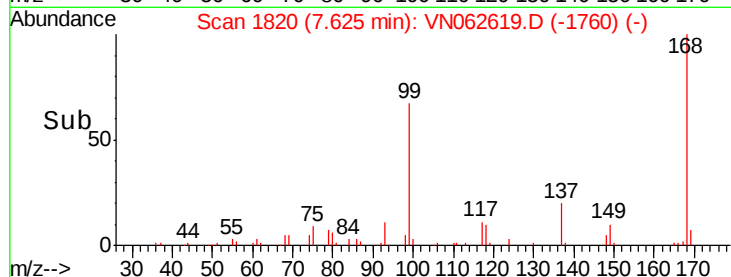
121 0.0 23.0 34.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.453 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

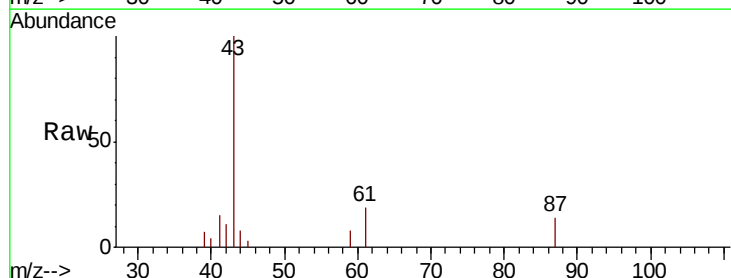
Tgt Ion: 43 Resp: 15496

Ion Ratio Lower Upper

43 100

61 17.9 20.8 31.2#

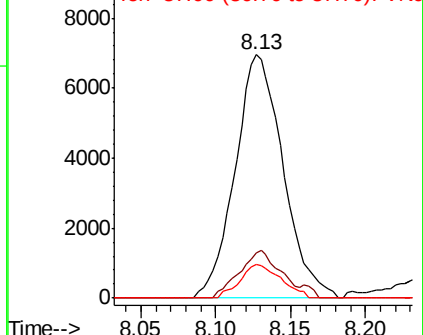
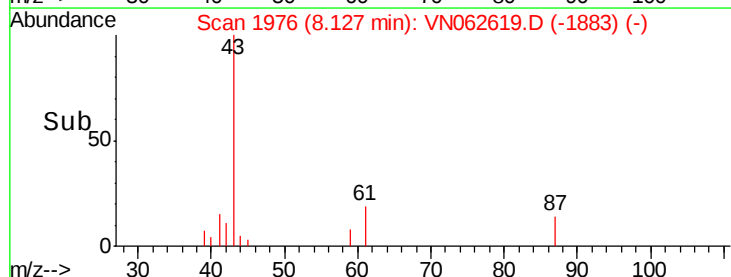
87 11.8 9.2 13.8

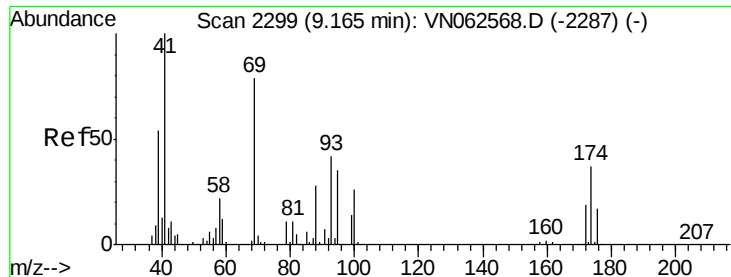


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

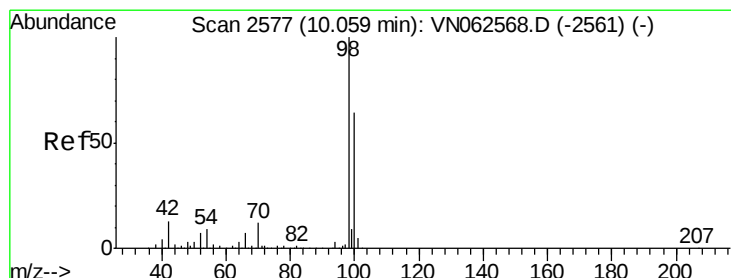
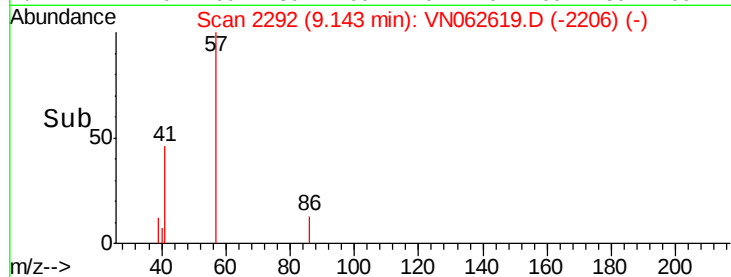
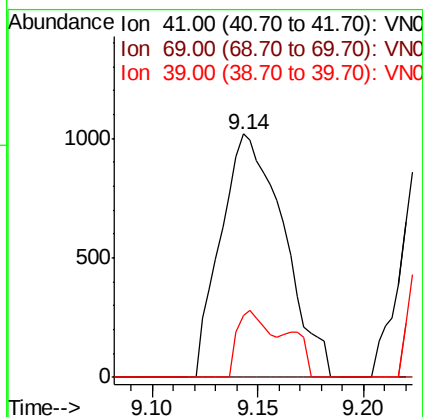
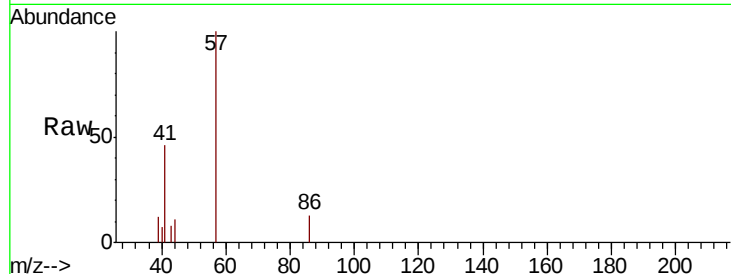




#48
Methyl methacrylate
Concen: 0.990 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

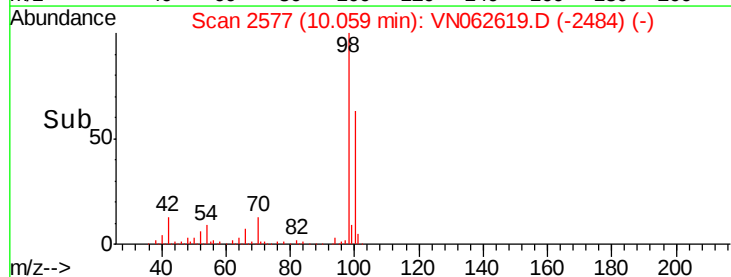
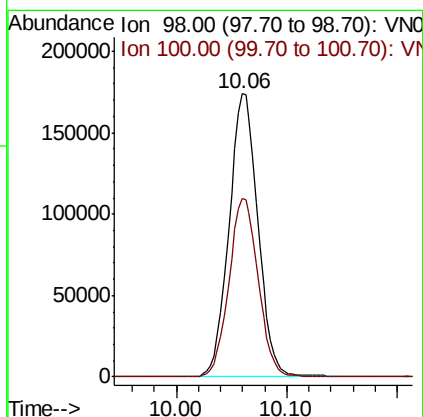
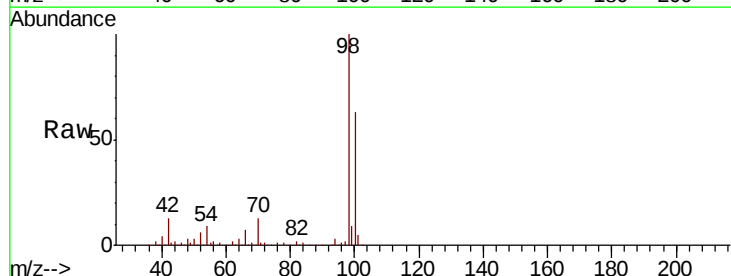
Instrument :
MSVOA_N
ClientSampleId :
20200440-3001C

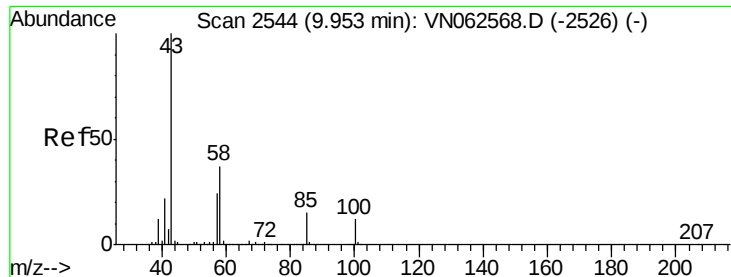
Tot Ion: 41 Resp: 2112
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 13.9 43.5 65.3#



#50
Toluene-d8
Concen: 49.787 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062619.D
Acq: 27 Jul 2020 23:26

Tgt Ion: 98 Resp: 316100
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.947 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

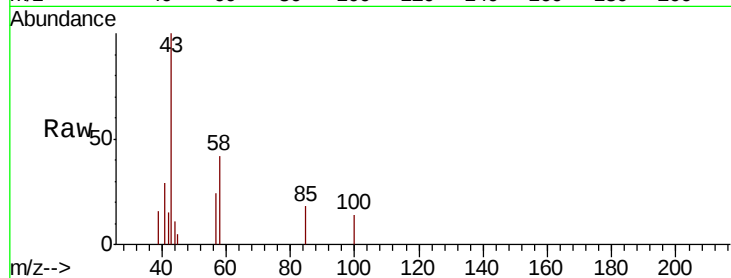
20200440-3001C

Tot Ion: 43 Resp: 5227

Ion Ratio Lower Upper

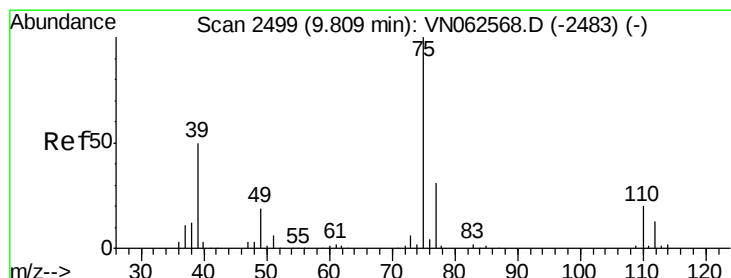
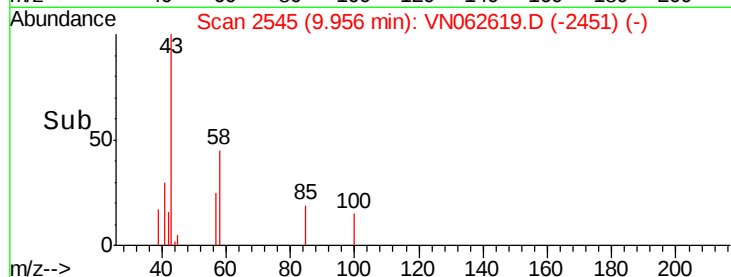
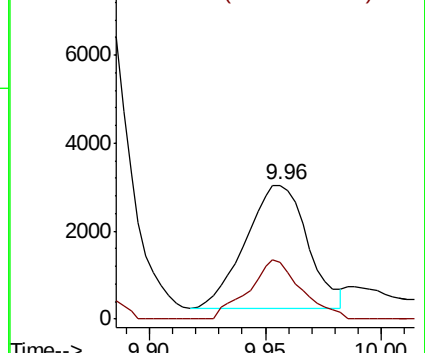
43 100

58 40.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)



#54

cis-1,3-Dichloropropene

Concen: 2.209 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

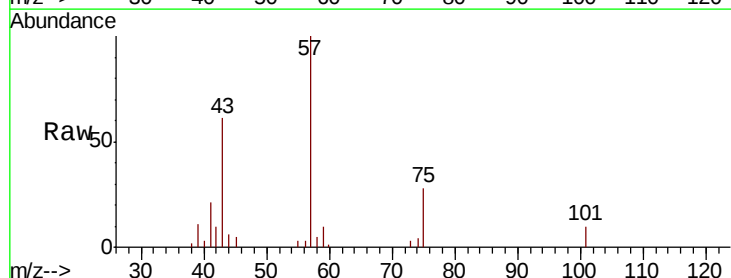
Tgt Ion: 75 Resp: 7253

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

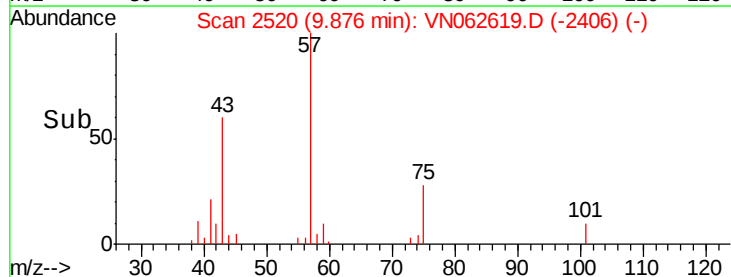
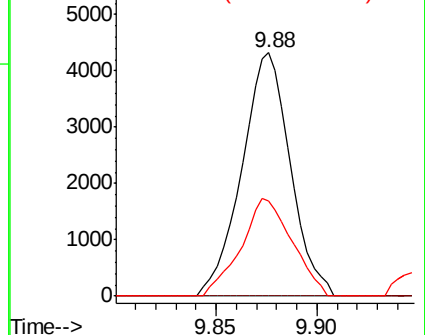
39 39.3 39.8 59.8#

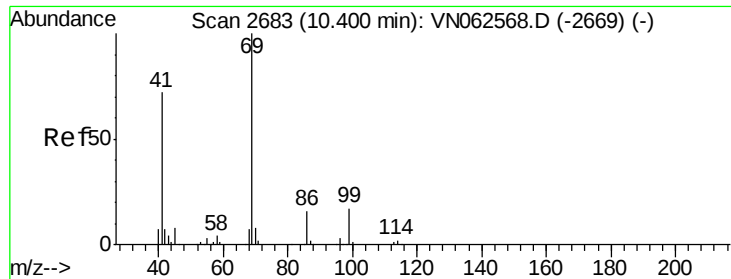


Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-2483) (-)

Ion 76.90 (76.60 to 77.60): VN062568.D (-2483) (-)

Ion 39.00 (38.70 to 39.70): VN062568.D (-2483) (-)





#56

Ethyl methacrylate

Concen: 1.962 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

20200440-3001C

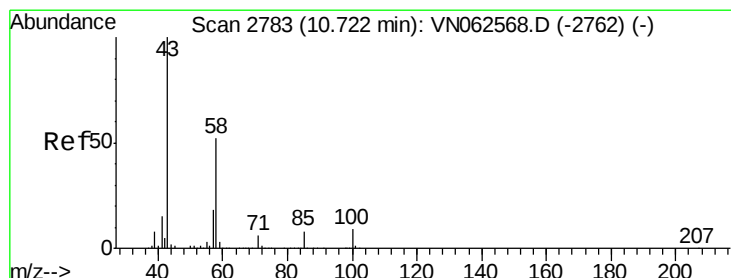
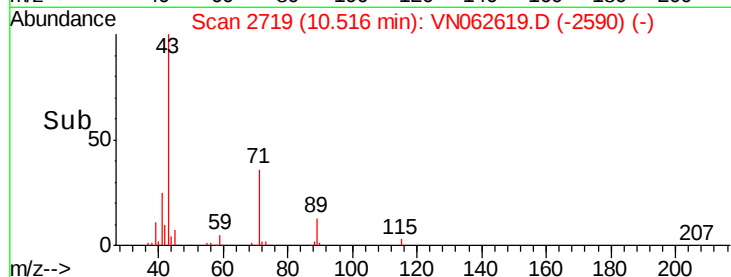
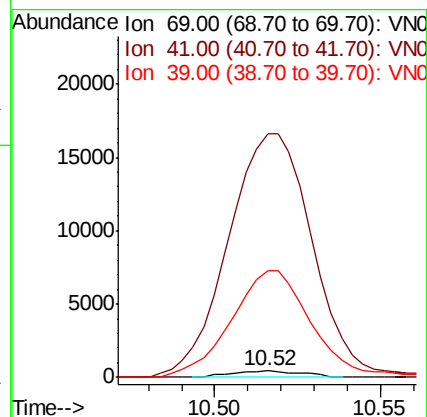
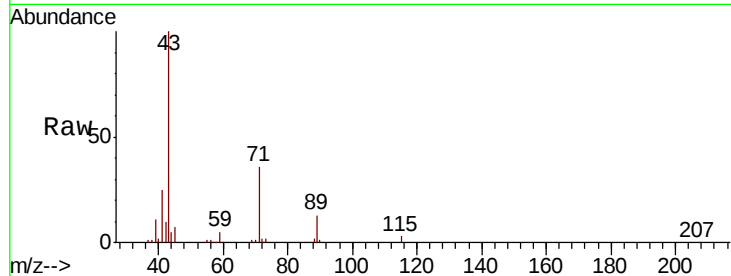
Tot Ion: 69 Resp: 633

Ion Ratio Lower Upper

69 100

41 4670.5 57.2 85.8#

39 1926.4 28.6 43.0#



#59

2-Hexanone

Concen: 22.070 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.03 min

Lab File: VN062619.D

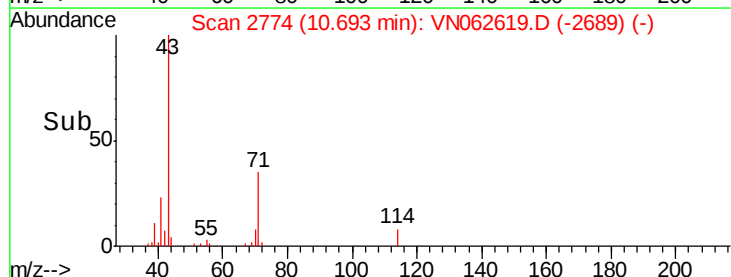
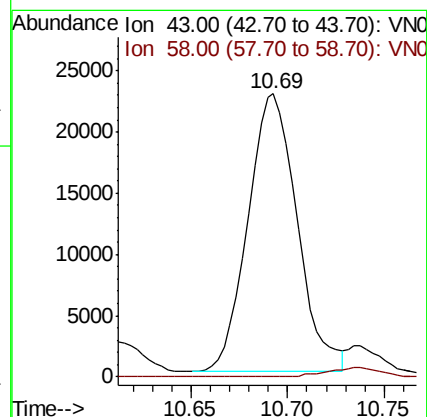
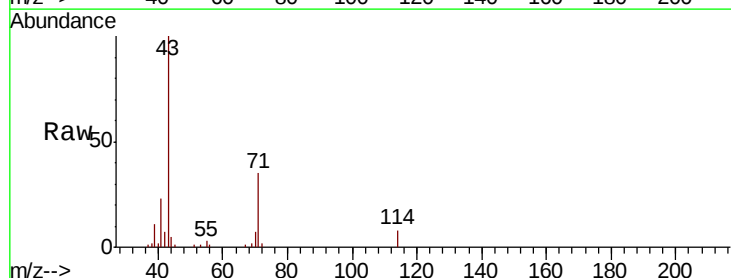
Acq: 27 Jul 2020 23:26

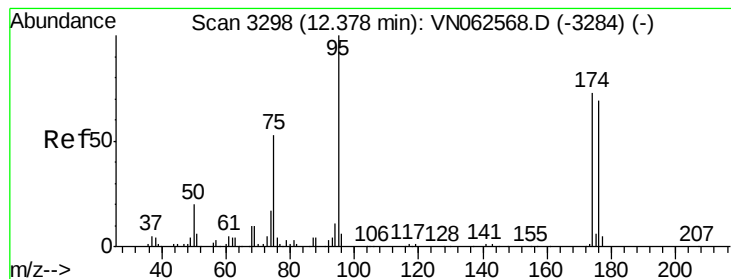
Tgt Ion: 43 Resp: 40156

Ion Ratio Lower Upper

43 100

58 0.0 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 52.449 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

20200440-3001C

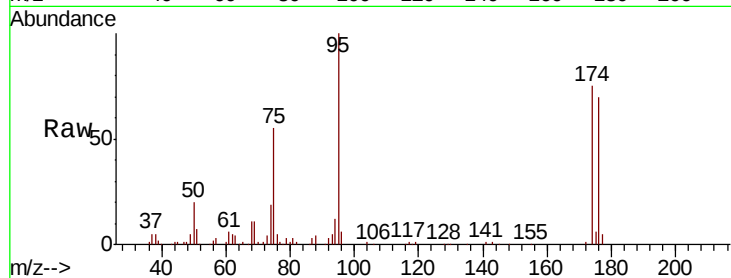
Tot Ion: 95 Resp: 121759

Ion Ratio Lower Upper

95 100

174 74.8 0.0 144.6

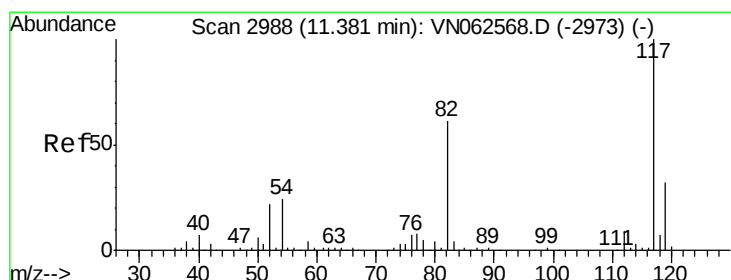
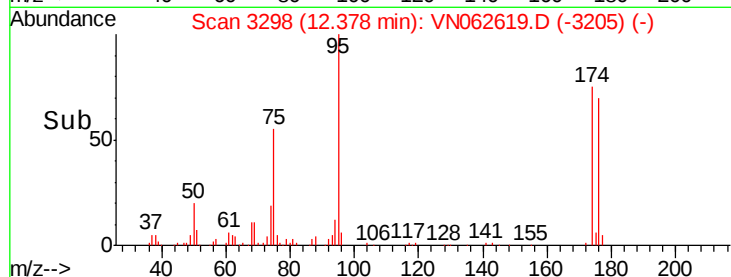
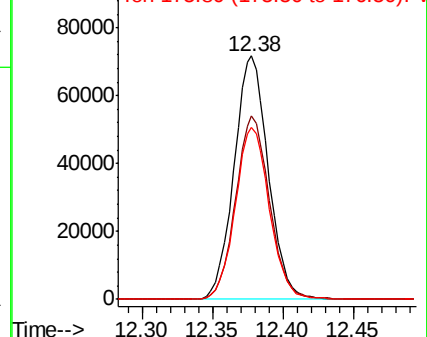
176 70.7 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062619.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062619.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062619.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

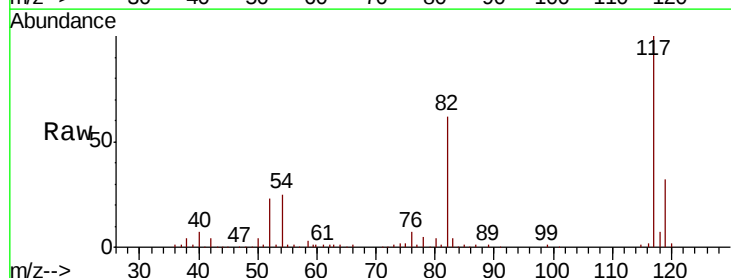
Tgt Ion: 117 Resp: 242755

Ion Ratio Lower Upper

117 100

82 62.1 49.0 73.6

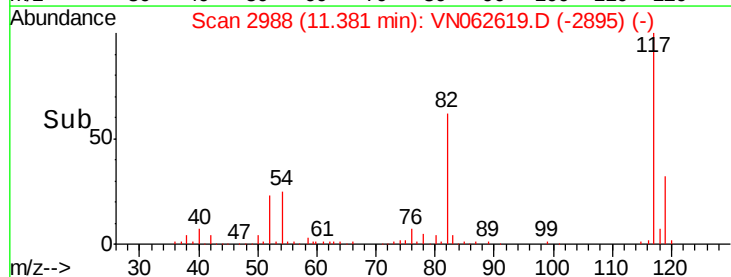
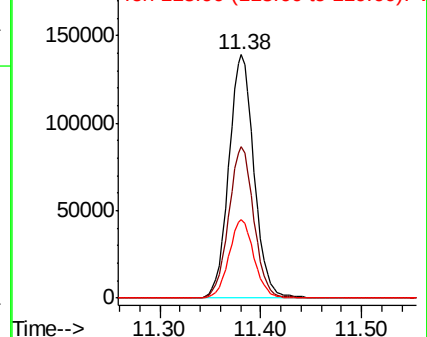
119 32.3 25.4 38.2

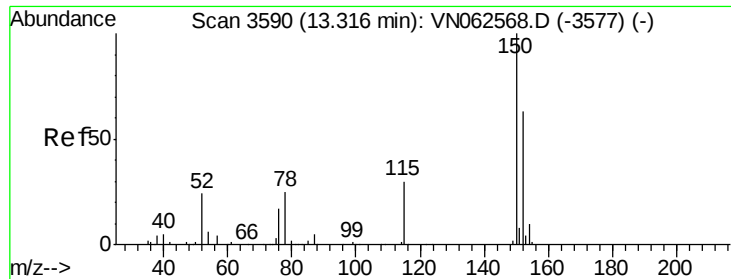


Abundance Ion 116.90 (116.60 to 117.60): VN062619.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062619.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062619.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

Instrument :

MSVOA_N

ClientSampled :

20200440-3001C

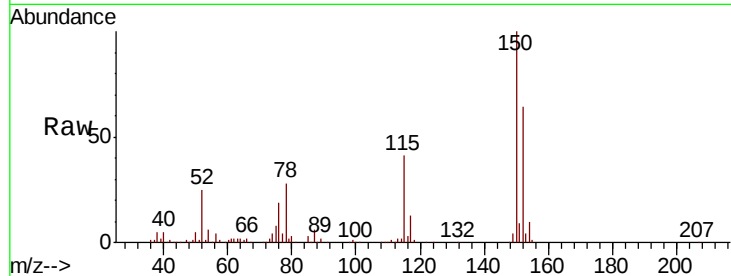
Tot Ion:152 Resp: 107740

Ion Ratio Lower Upper

152 100

115 63.7 31.8 95.4

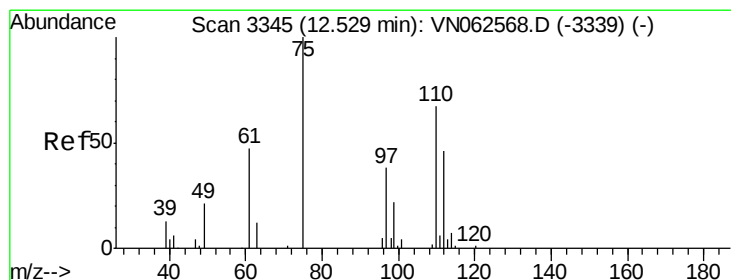
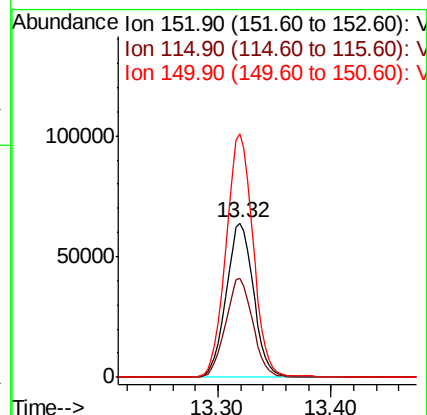
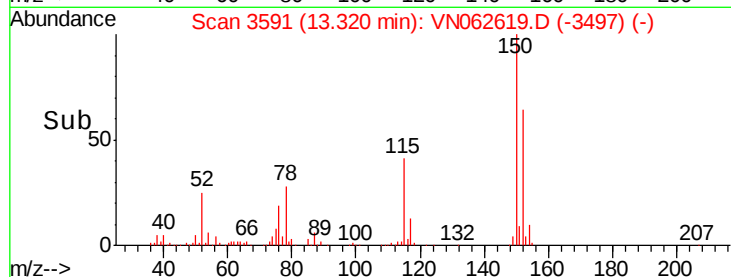
150 156.1 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 24.234 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062619.D

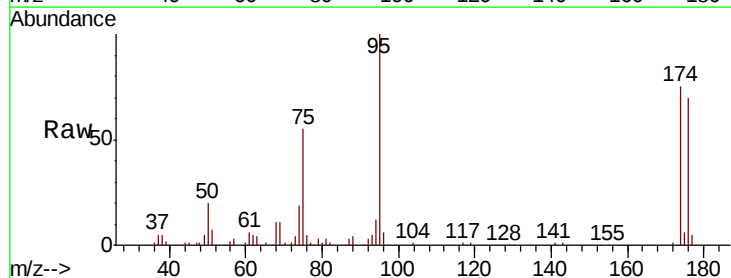
Acq: 27 Jul 2020 23:26

Tgt Ion: 75 Resp: 66458

Ion Ratio Lower Upper

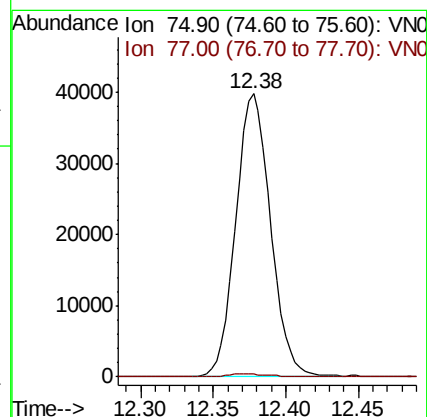
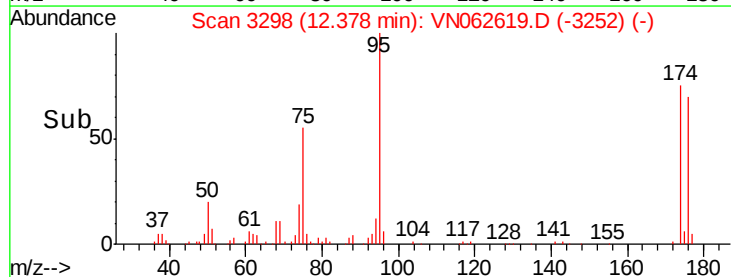
75 100

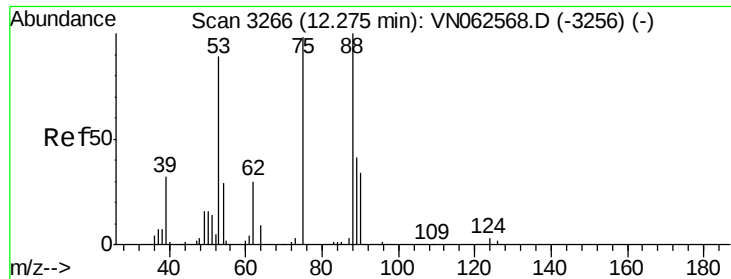
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 67.461 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062619.D

Acq: 27 Jul 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

20200440-3001C

Tot Ion: 75 Resp: 66458

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

