

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062696.D
 Acq On : 31 Jul 2020 19:32
 Operator : JC/MD
 Sample : L3511-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP

Quant Time: Aug 01 06:08:07 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	124151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	236119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114051	59.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.28%	
35) Dibromofluoromethane	7.55	113	76031	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	10.06	98	305075	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.38	95	109137	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

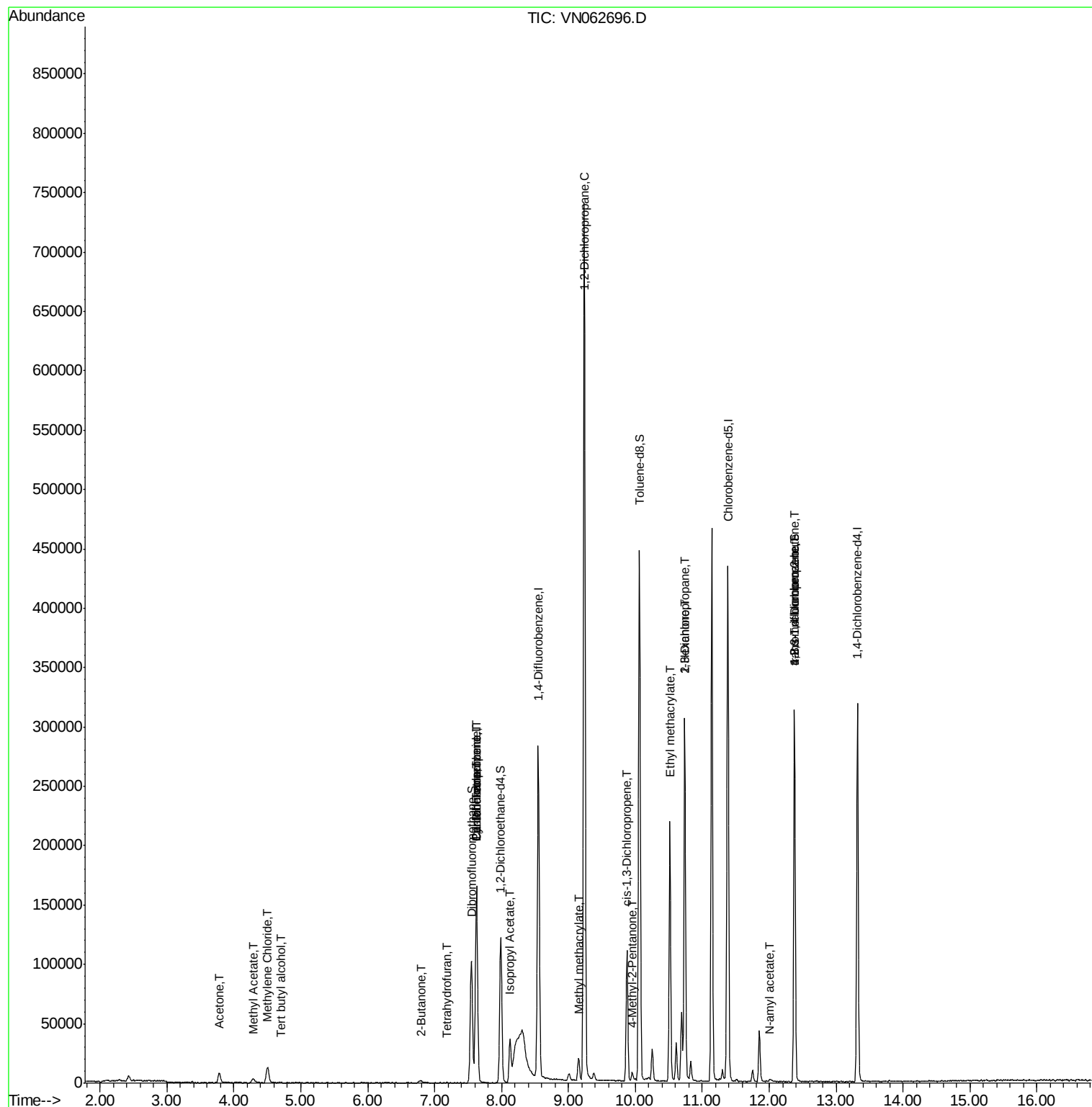
						Qvalue
11) Tert butyl alcohol	4.70	59	396	1.291	ug/l #	73
16) Acetone	3.78	43	14356	19.781	ug/l	100
18) Methyl Acetate	4.29	43	6855	3.731	ug/l	94
20) Methylene Chloride	4.50	84	9851	5.659	ug/l	97
25) 2-Butanone	6.80	43	1679	1.519	ug/l #	76
29) Tetrahydrofuran	7.18	42	375	0.501	ug/l #	44
31) Cyclohexane	7.63	56	3298	1.161	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	11618	4.616	ug/l #	49
38) Carbon Tetrachloride	7.62	117	13565	5.607	ug/l #	17
43) Isopropyl Acetate	8.13	43	44598	10.197	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	880	0.411	ug/l #	44
48) Methyl methacrylate	9.15	41	2905	1.397	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	6595	2.520	ug/l #	81
54) cis-1,3-Dichloropropene	9.88	75	18590	5.810	ug/l #	64
56) Ethyl methacrylate	10.52	69	1065	2.102	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2678	0.852	ug/l #	42
59) 2-Hexanone	10.74	43	43586	24.241	ug/l #	54
74) N-amyl acetate	12.01	43	1768	0.608	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	61402	29.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	61402	81.612	ug/l #	12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\
Data File : VN062696.D
Acq On : 31 Jul 2020 19:32
Operator : JC/MD
Sample : L3511-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SP

Quant Time: Aug 01 06:08:07 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: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

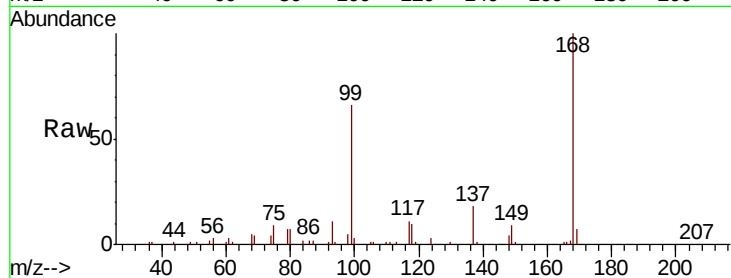
SP

Tot Ion:168 Resp: 124151

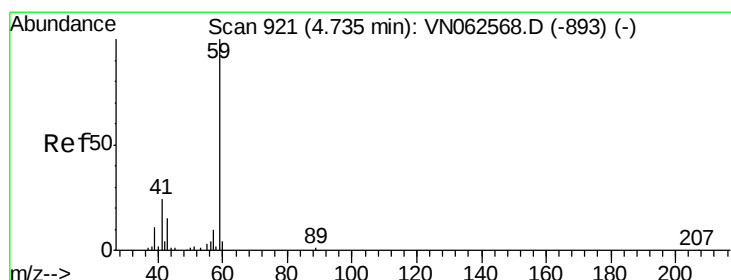
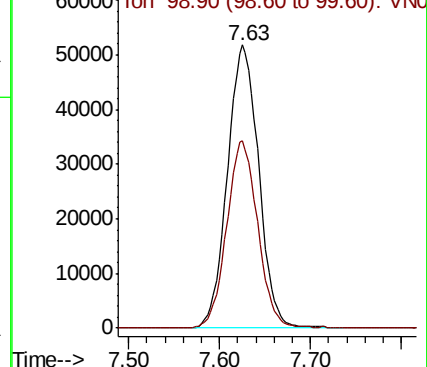
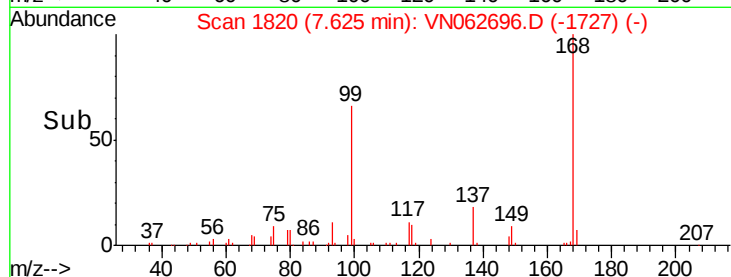
Ion Ratio Lower Upper

168 100

99 66.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062696.D (-1727) (-)



#11

Tert butyl alcohol

Concen: 1.291 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.04 min

Lab File: VN062696.D

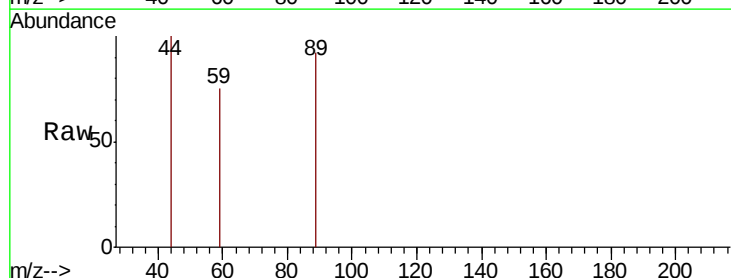
Acq: 31 Jul 2020 19:32

Tgt Ion: 59 Resp: 396

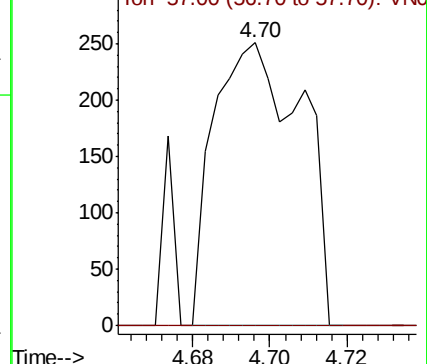
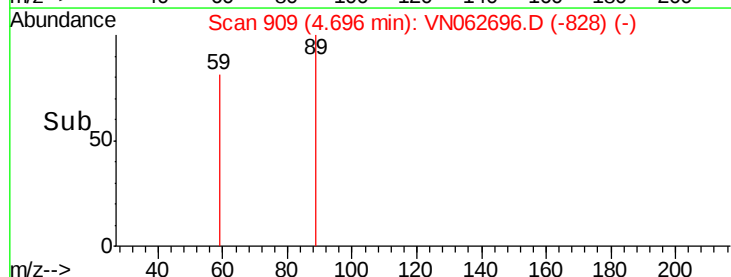
Ion Ratio Lower Upper

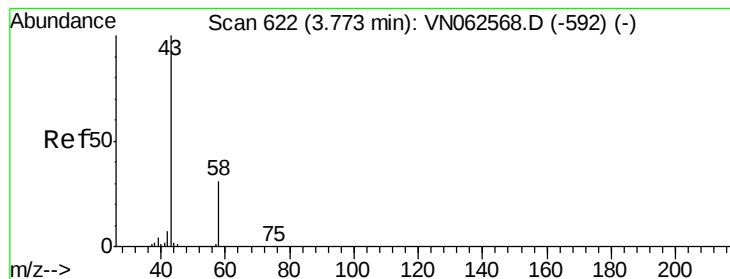
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN062696.D (-828) (-)





#16

Acetone

Concen: 19.781 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

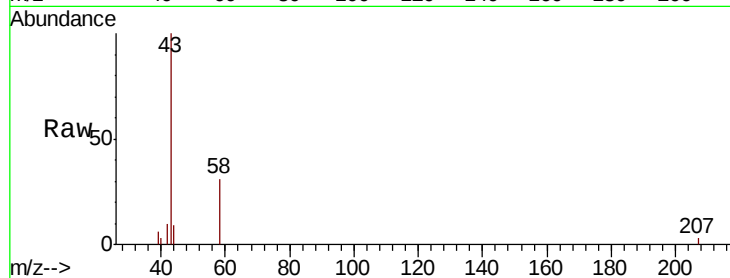
SP

Tot Ion: 43 Resp: 14356

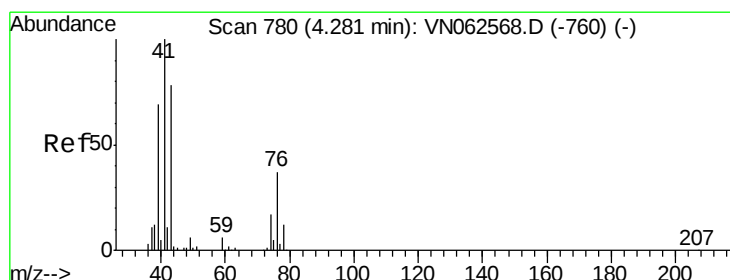
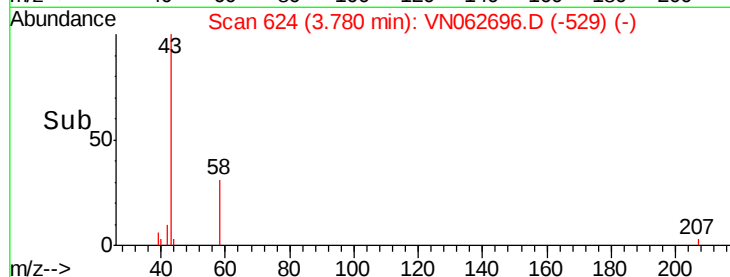
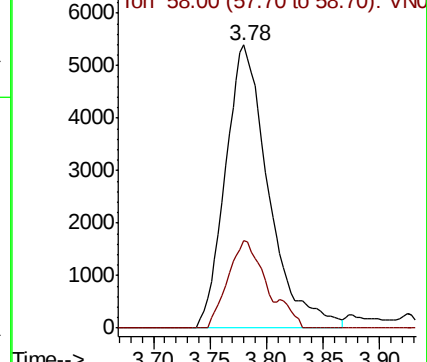
Ion Ratio Lower Upper

43 100

58 30.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062696.D (-529) (-)



#18

Methyl Acetate

Concen: 3.731 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062696.D

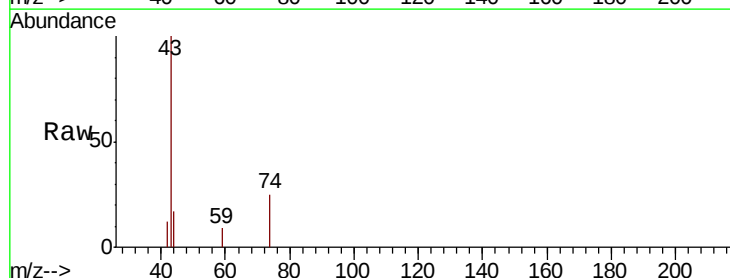
Acq: 31 Jul 2020 19:32

Tgt Ion: 43 Resp: 6855

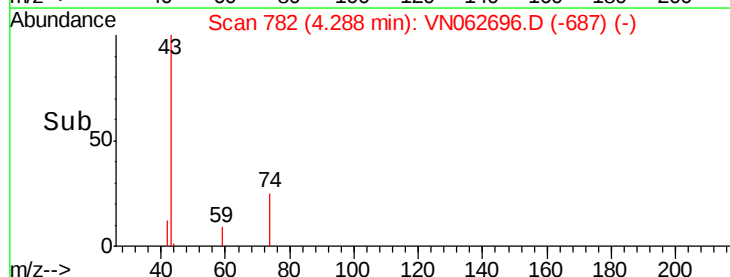
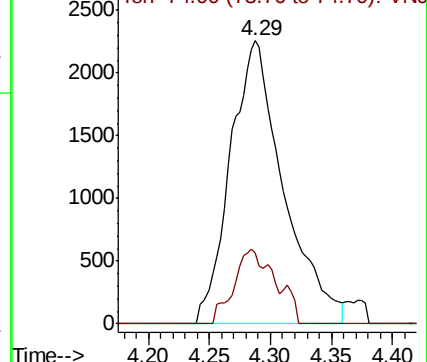
Ion Ratio Lower Upper

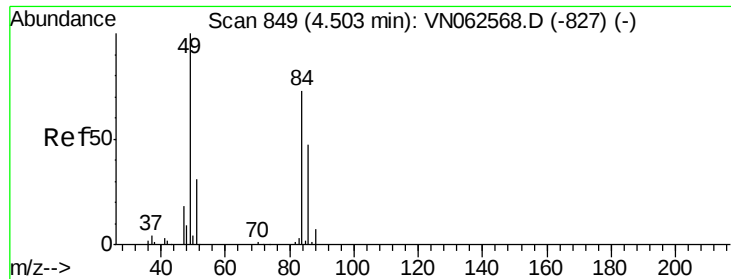
43 100

74 17.9 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN062696.D (-687) (-)

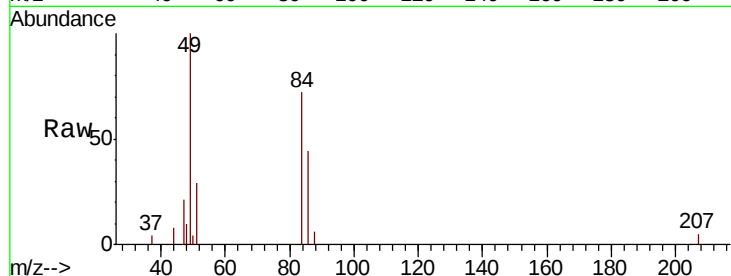




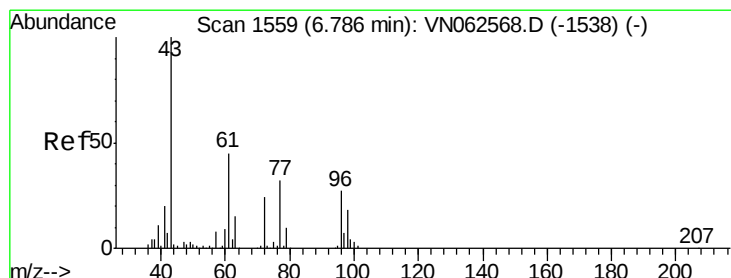
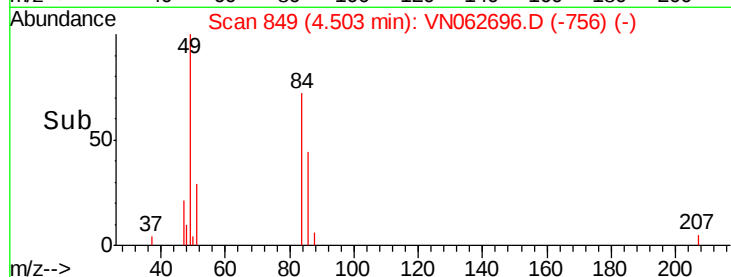
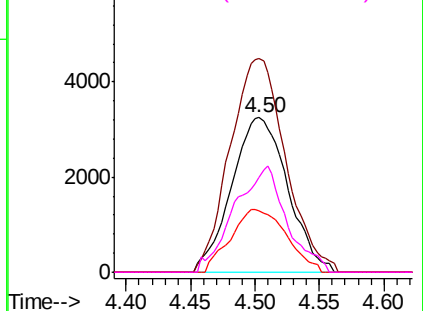
#20
Methvlene Chloride
Concen: 5.659 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062696.D
Acq: 31 Jul 2020 19:32

Instrument :
MSVOA_N
ClientSampleId :
SP

Tot Ion:	84	Resp:	9851
Ion	Ratio	Lower	Upper
84	100		
49	138.5	109.4	164.0
51	39.8	33.6	50.4
86	61.0	51.4	77.2

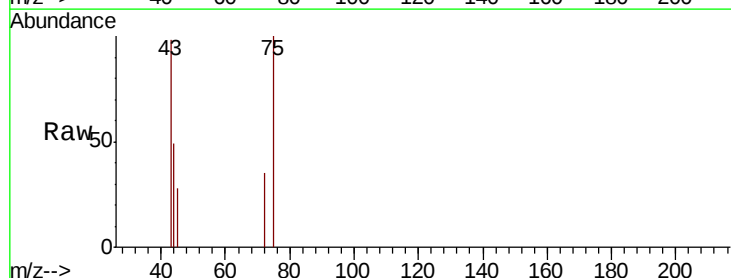


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

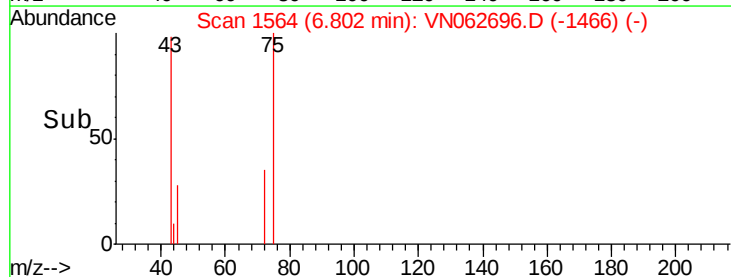
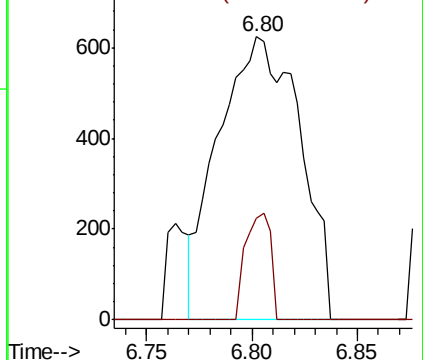


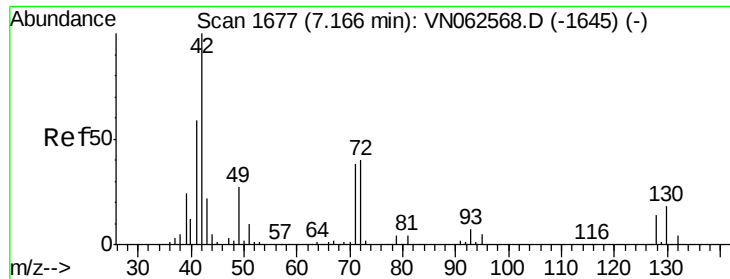
#25
2-Butanone
Concen: 1.519 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.02 min
Lab File: VN062696.D
Acq: 31 Jul 2020 19:32

Tgt Ion:	43	Resp:	1679
Ion	Ratio	Lower	Upper
43	100		
72	35.7	19.0	28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.501 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

SP

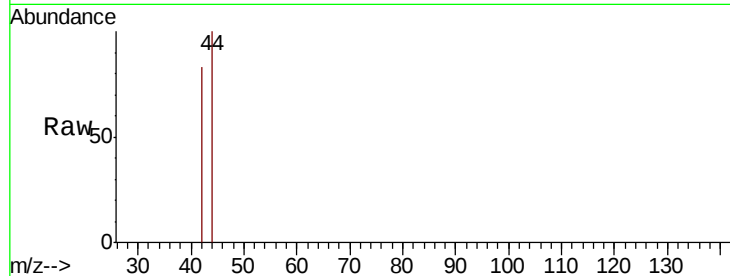
Tot Ion: 42 Resp: 375

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 8.0 29.1 43.7#



Abundance Ion 42.00 (41.70 to 42.70): VN062568.D (-1645) (-)

Ion 72.00 (71.70 to 72.70): VN062568.D (-1645) (-)

Ion 71.00 (70.70 to 71.70): VN062568.D (-1645) (-)

7.18

300

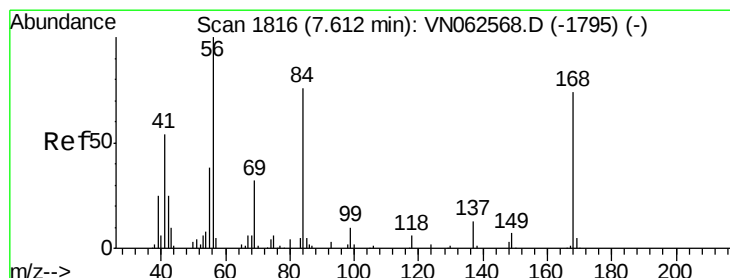
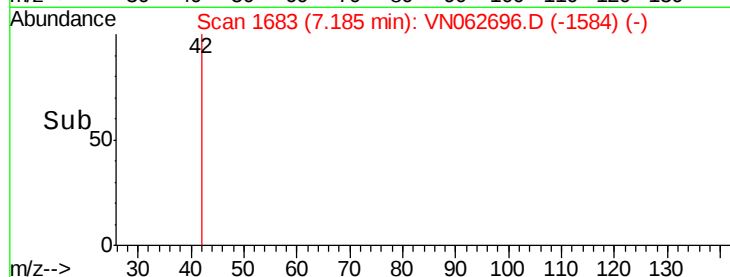
200

100

0

7.16 7.18 7.20

Time-->



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

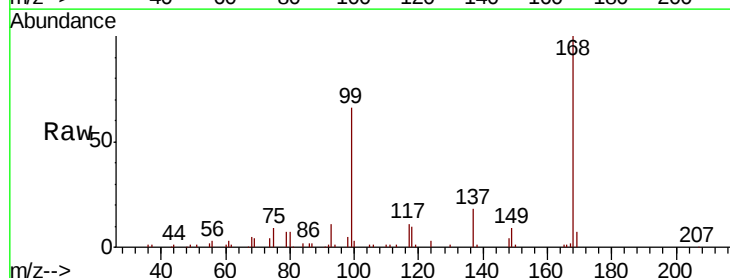
Tgt Ion: 56 Resp: 3298

Ion Ratio Lower Upper

56 100

69 148.3 25.3 37.9#

84 81.5 61.0 91.4



Abundance Ion 56.00 (55.70 to 56.70): VN062568.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062568.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062568.D (-1795) (-)

3000

2500

2000

1500

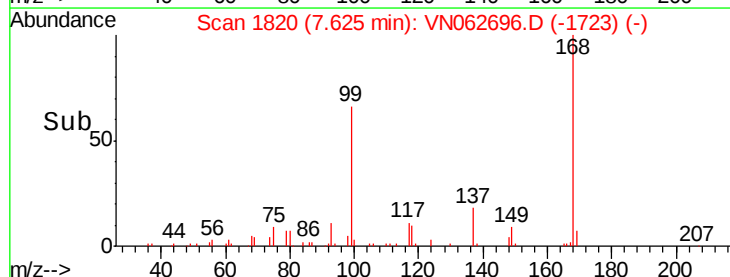
1000

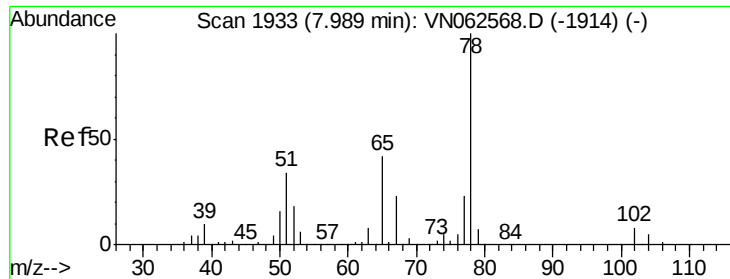
500

0

7.55 7.60 7.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: 59.136 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

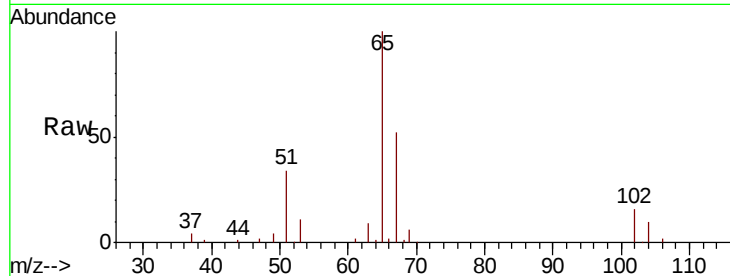
SP

Tot Ion: 65 Resp: 114051

Ion Ratio Lower Upper

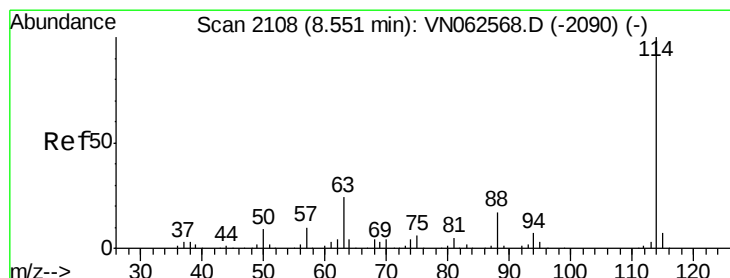
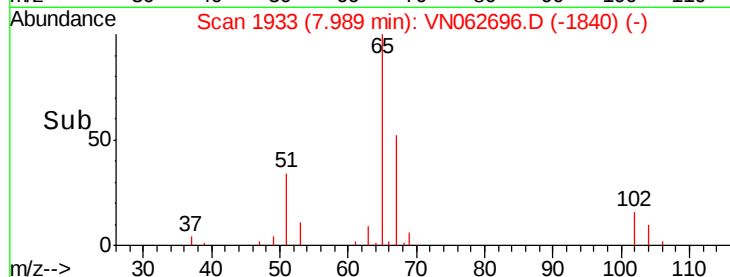
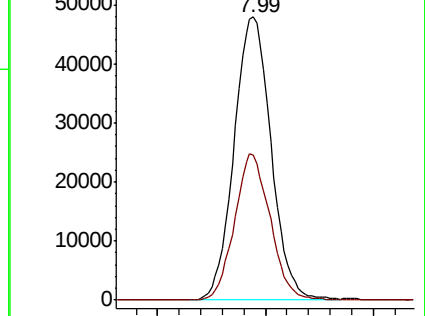
65 100

67 49.8 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

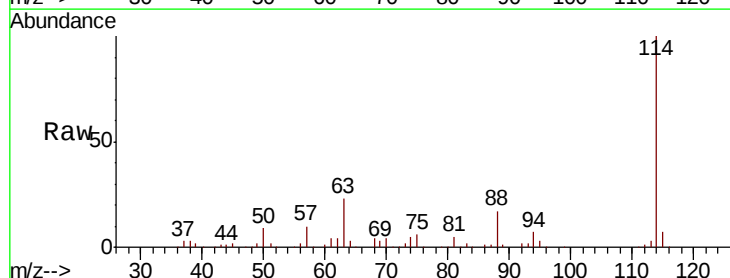
Tgt Ion: 114 Resp: 236119

Ion Ratio Lower Upper

114 100

63 23.4 0.0 48.4

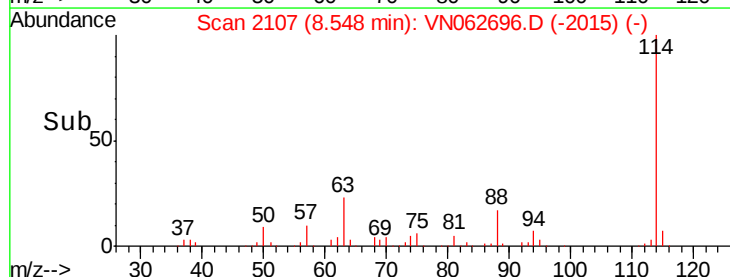
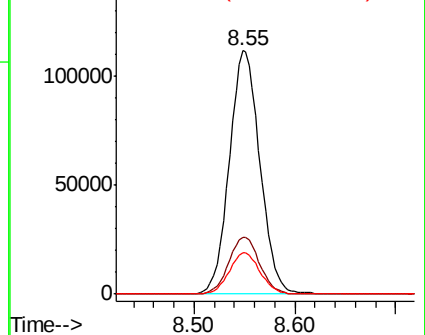
88 16.7 0.0 33.8

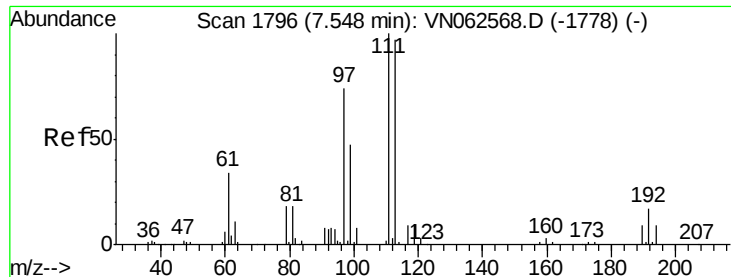


Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)

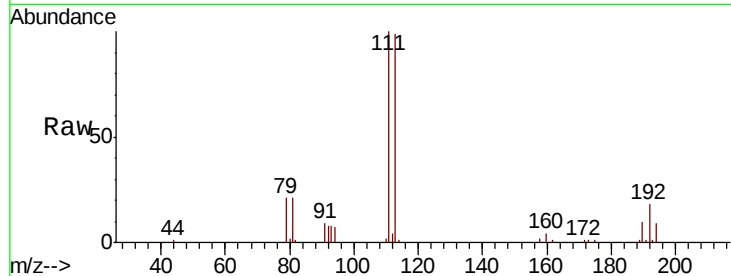




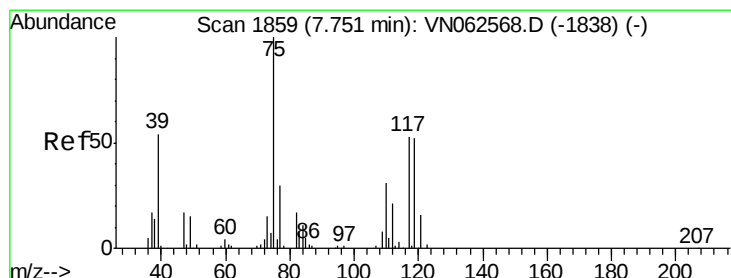
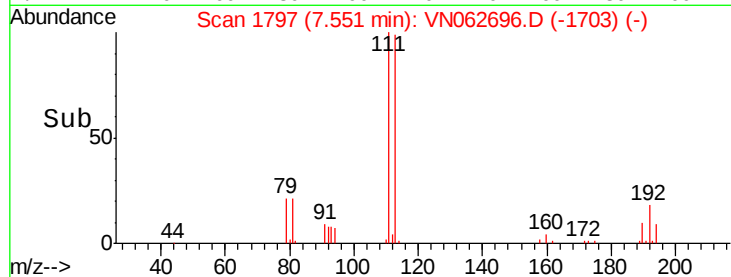
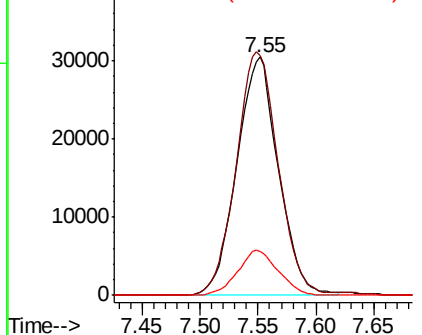
#35
 Dibromofluoromethane
 Concen: 49.022 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062696.D
 Acq: 31 Jul 2020 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SP

Tot Ion:113 Resp: 76031
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 18.3 14.8 22.2

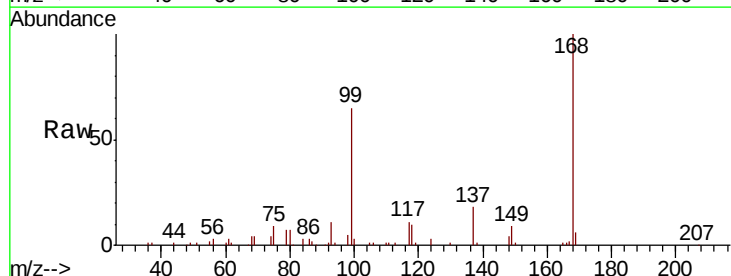


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

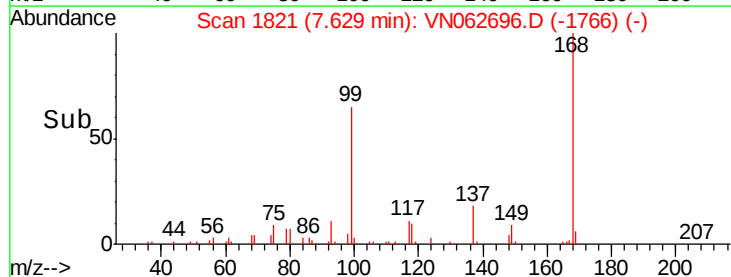
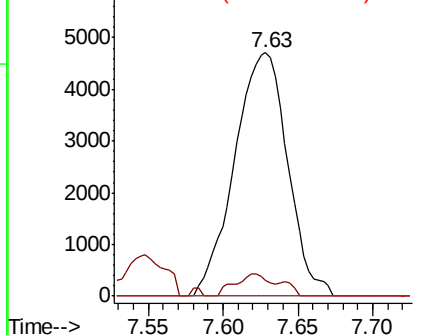


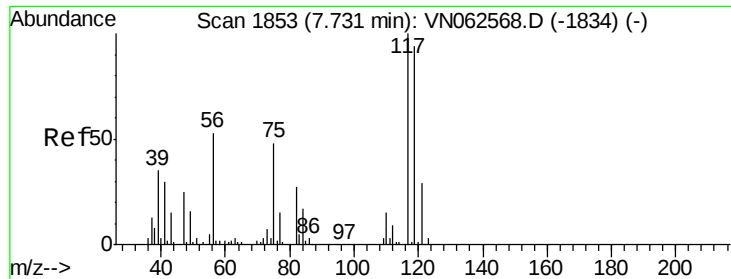
#36
 1,1-Dichloropropene
 Concen: 4.616 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062696.D
 Acq: 31 Jul 2020 19:32

Tgt Ion: 75 Resp: 11618
 Ion Ratio Lower Upper
 75 100
 110 5.9 16.0 48.0#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.607 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

SP

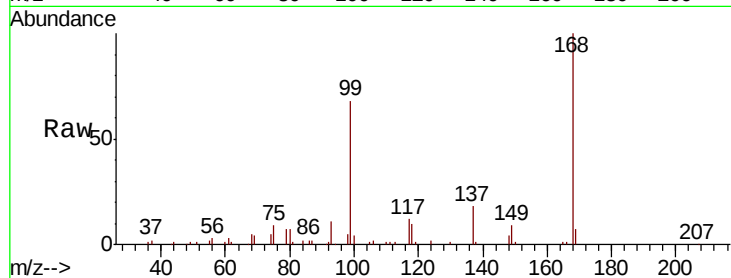
Tot Ion:117 Resp: 13565

Ion Ratio Lower Upper

117 100

119 5.5 74.8 112.2#

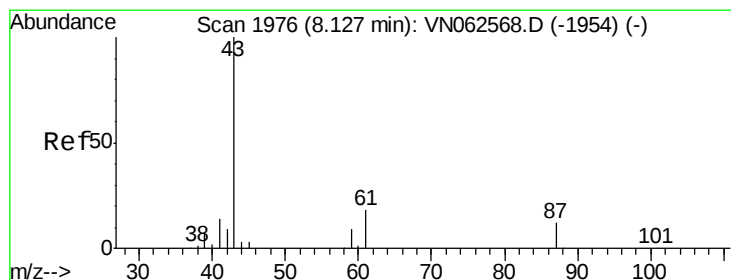
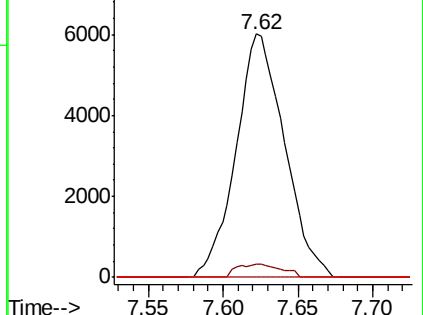
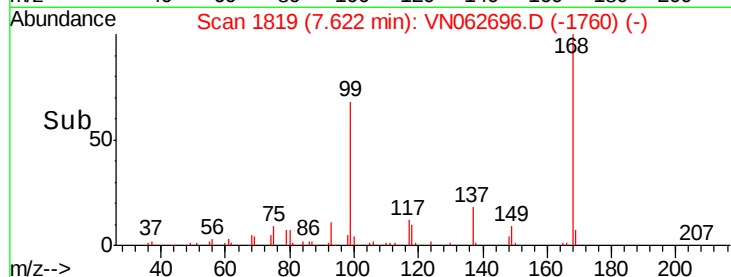
121 0.0 23.0 34.6#



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: 10.197 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

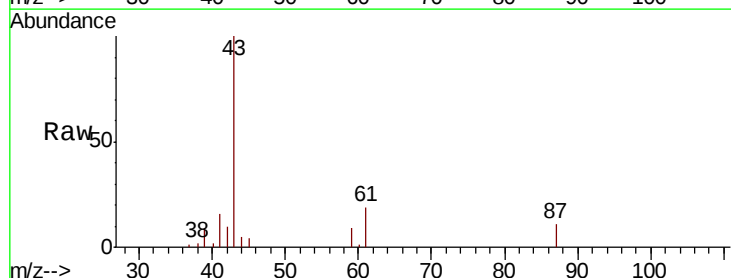
Tgt Ion: 43 Resp: 44598

Ion Ratio Lower Upper

43 100

61 19.3 20.8 31.2#

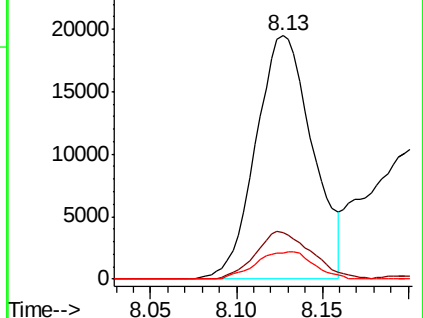
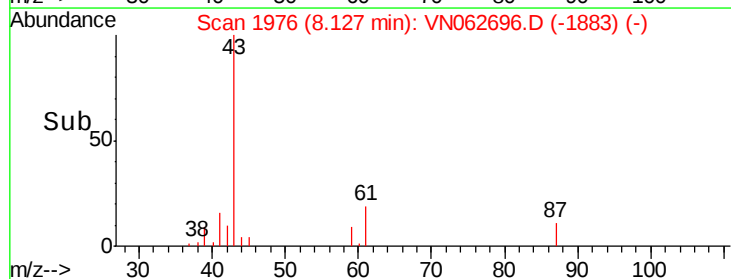
87 11.3 9.2 13.8

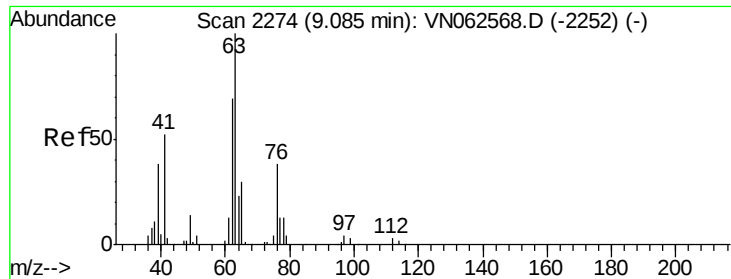


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.411 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

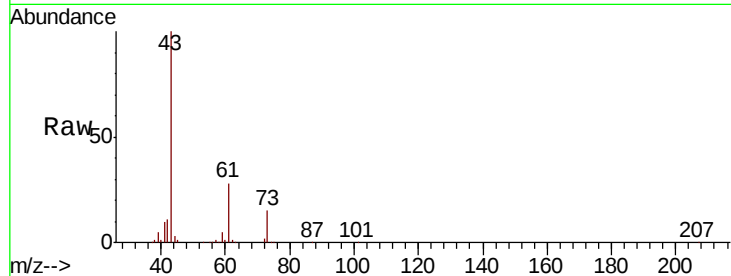
SP

Tot Ion: 63 Resp: 880

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.23

600

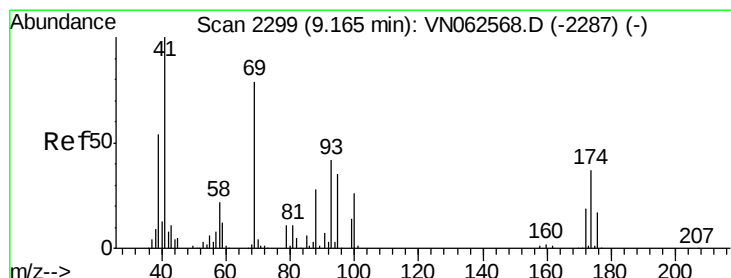
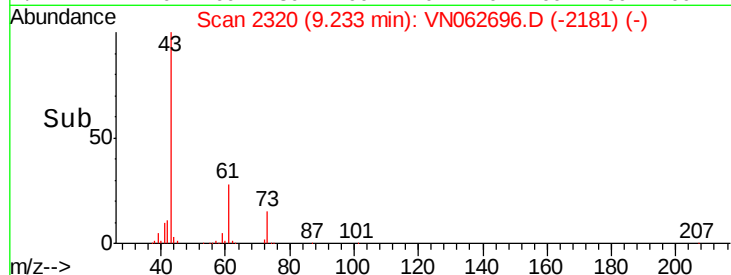
400

200

0

9.20 9.22 9.24 9.26

Time-->



#48

Methyl methacrylate

Concen: 1.397 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

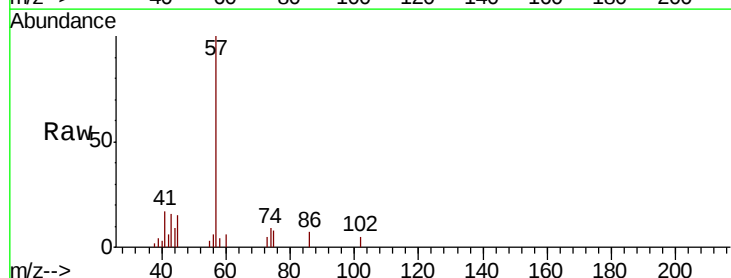
Tgt Ion: 41 Resp: 2905

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 43.5 65.3#



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

8000

6000

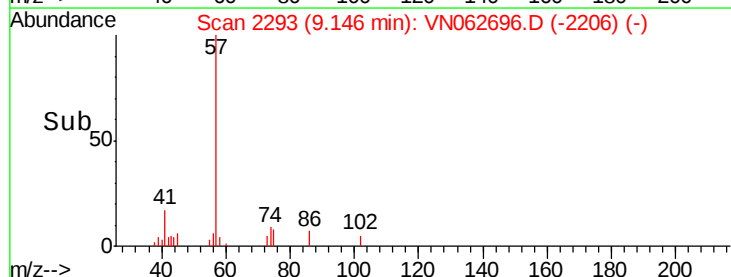
4000

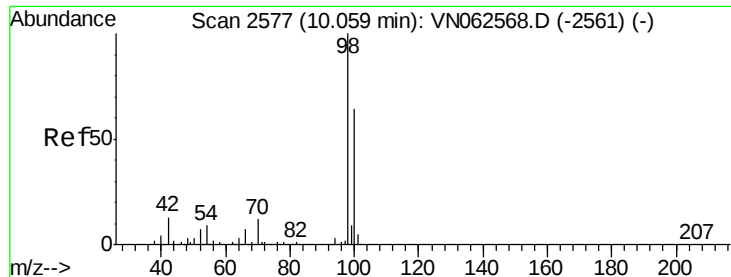
2000

0

9.10 9.15 9.20

Time-->

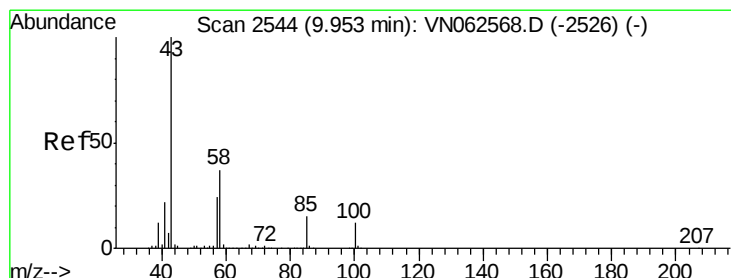
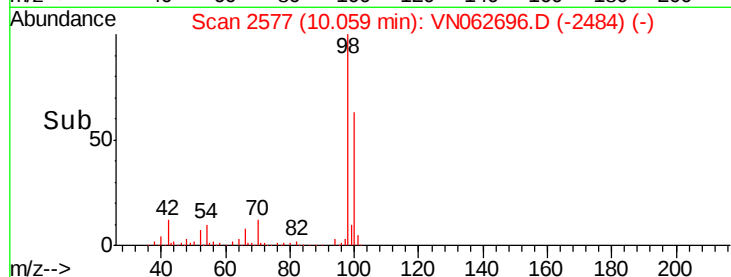
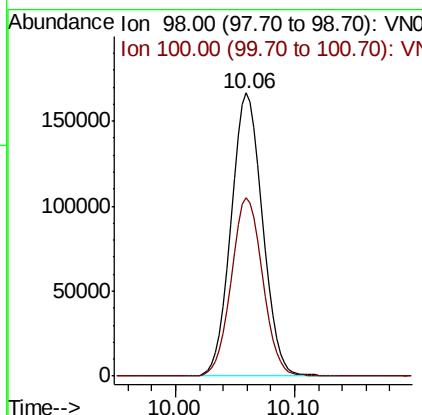
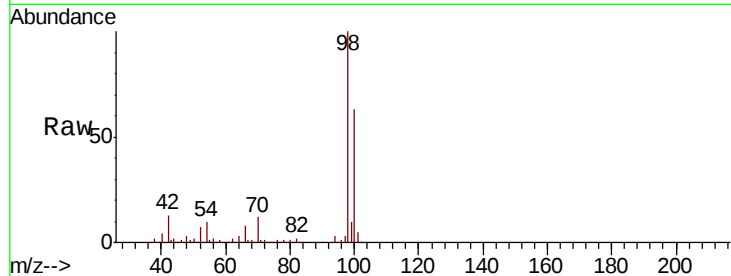




#50
Toluene-d8
Concen: 49.299 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062696.D
Acq: 31 Jul 2020 19:32

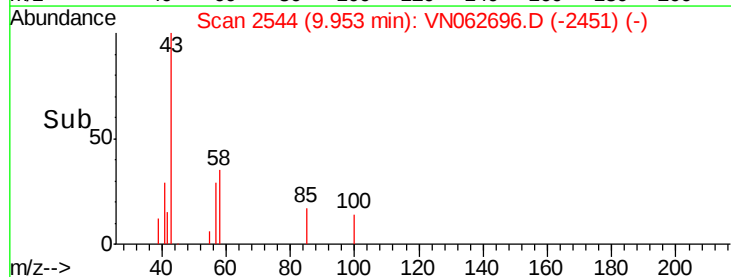
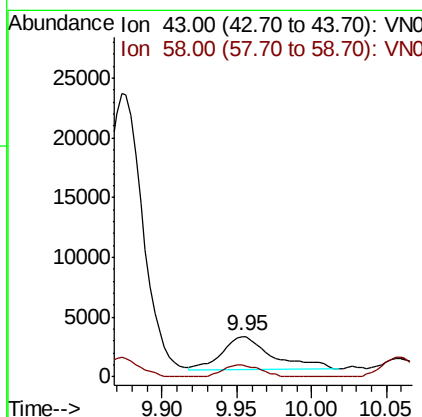
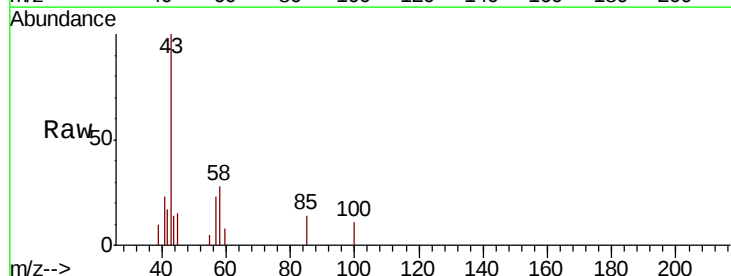
Instrument :
MSVOA_N
ClientSampled :
SP

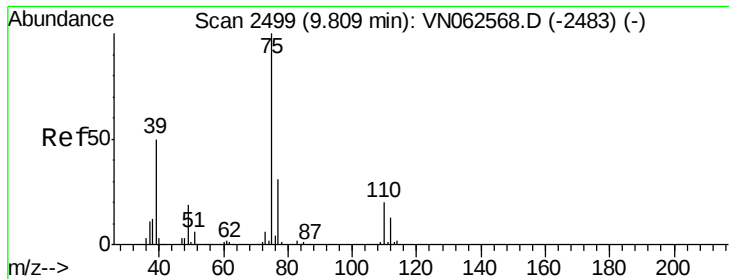
Tot Ion: 98 Resp: 305075
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.520 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062696.D
Acq: 31 Jul 2020 19:32

Tgt Ion: 43 Resp: 6595
Ion Ratio Lower Upper
43 100
58 25.9 29.8 44.6#





#54

cis-1,3-Dichloropropene

Concen: 5.810 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

SP

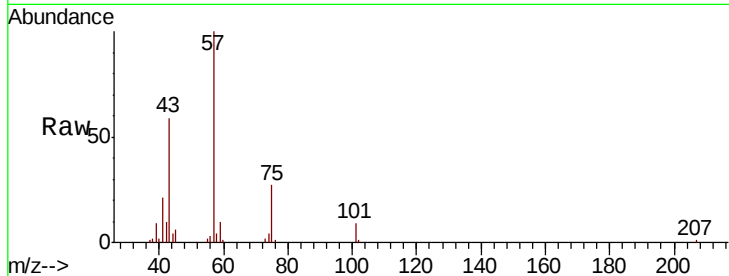
Tot Ion: 75 Resp: 18590

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

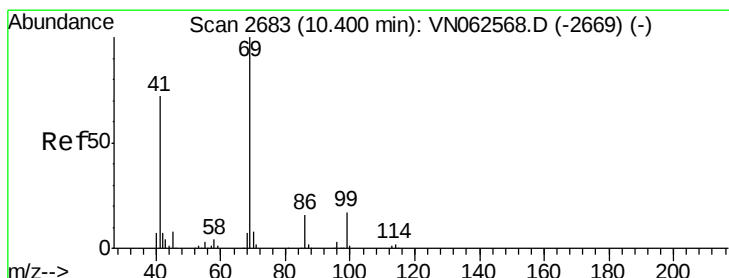
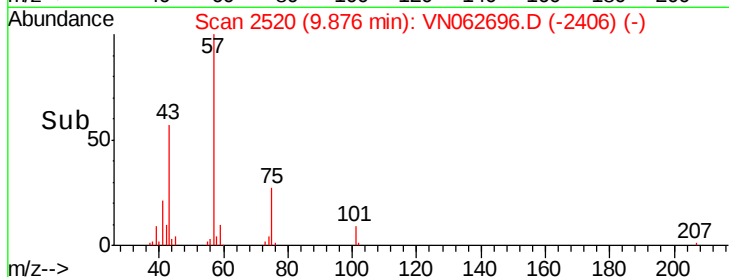
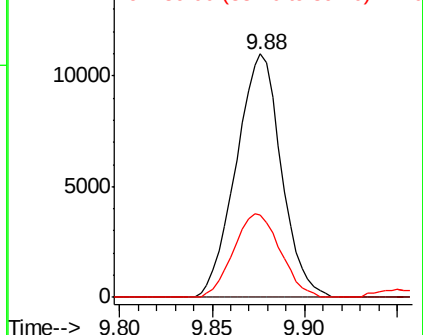
39 33.8 39.8 59.8#



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



#56

Ethyl methacrylate

Concen: 2.102 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

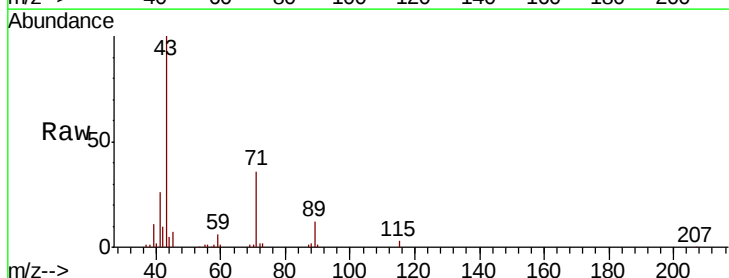
Tgt Ion: 69 Resp: 1065

Ion Ratio Lower Upper

69 100

41 4005.5 57.2 85.8#

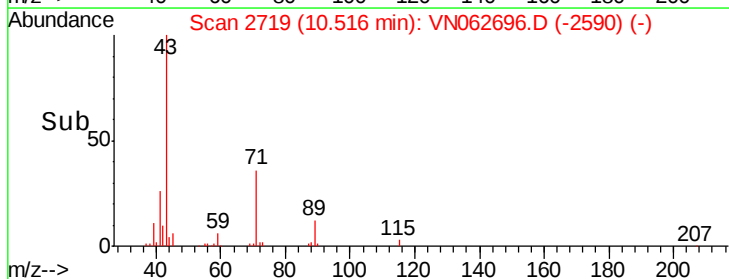
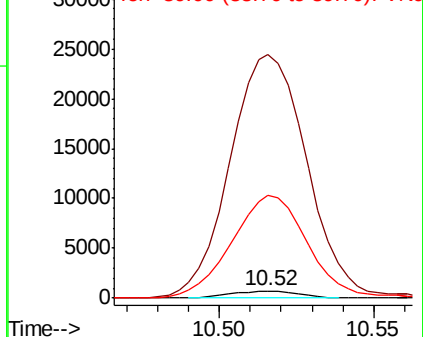
39 1654.1 28.6 43.0#

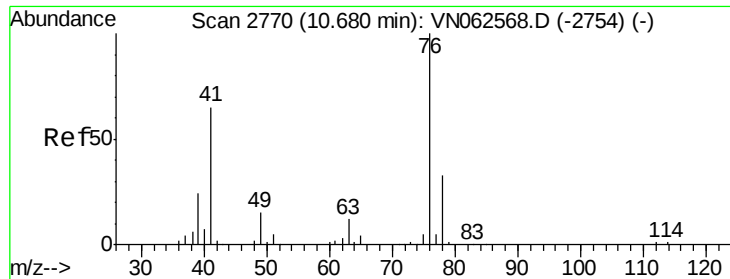


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.852 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

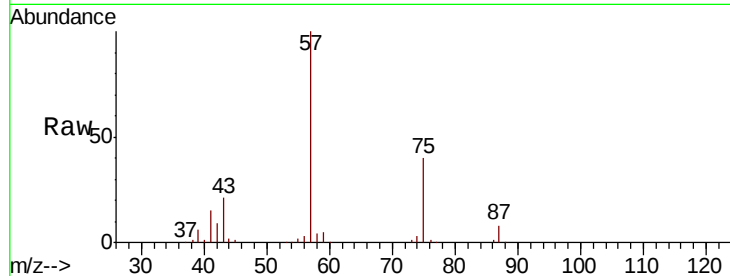
SP

Tot Ion: 76 Resp: 2678

Ion Ratio Lower Upper

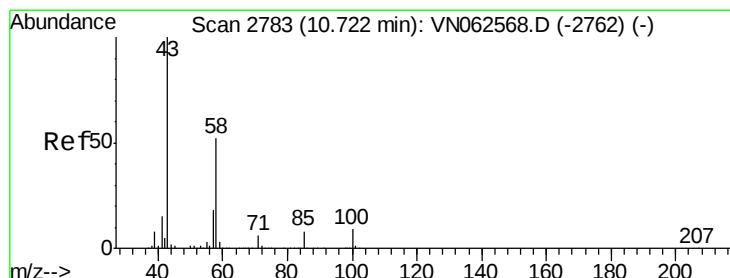
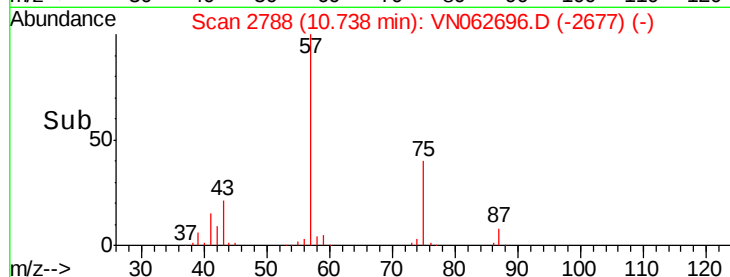
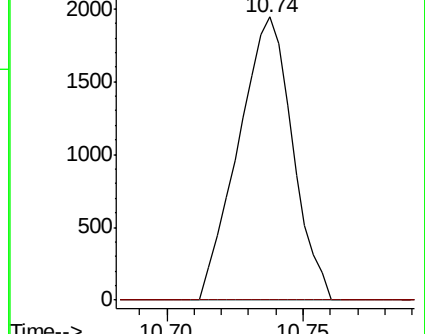
76 100

78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 24.241 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062696.D

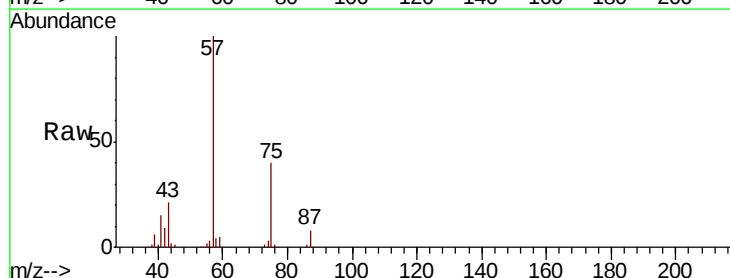
Acq: 31 Jul 2020 19:32

Tgt Ion: 43 Resp: 43586

Ion Ratio Lower Upper

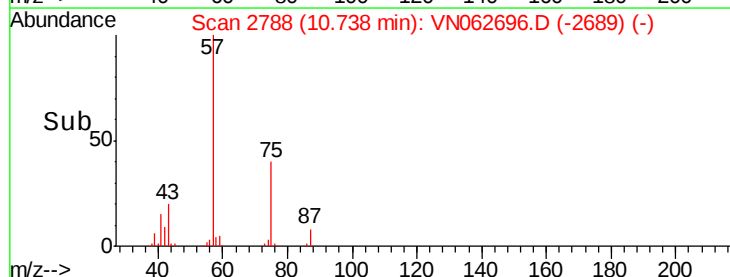
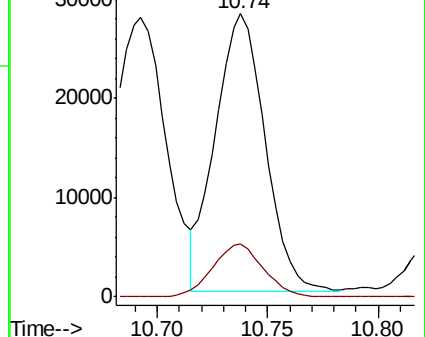
43 100

58 19.5 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

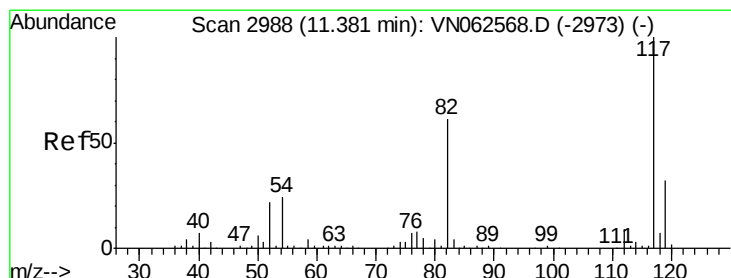
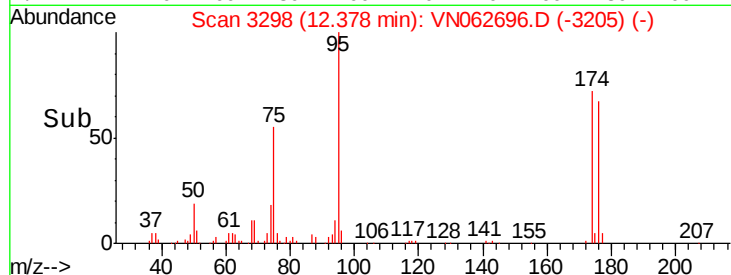
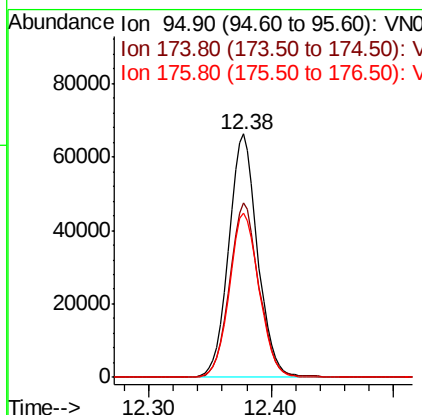
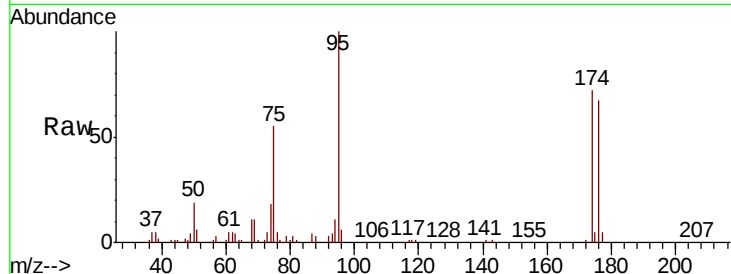




#62
4-Bromofluorobenzene
Concen: 48.233 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062696.D
Acq: 31 Jul 2020 19:32

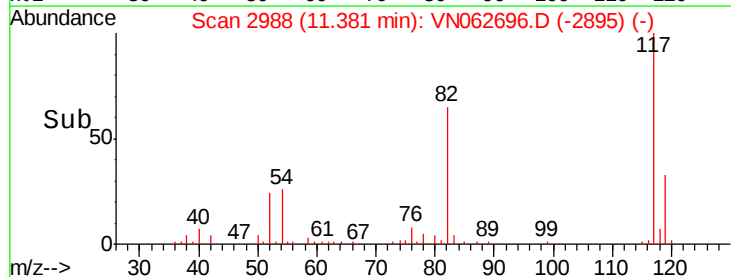
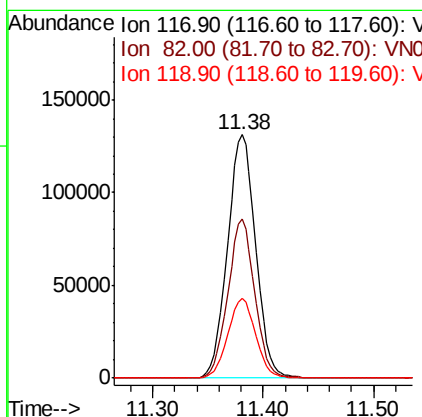
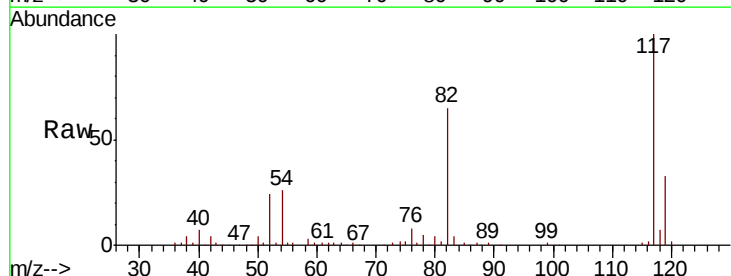
Instrument :
MSVOA_N
ClientSampled :
SP

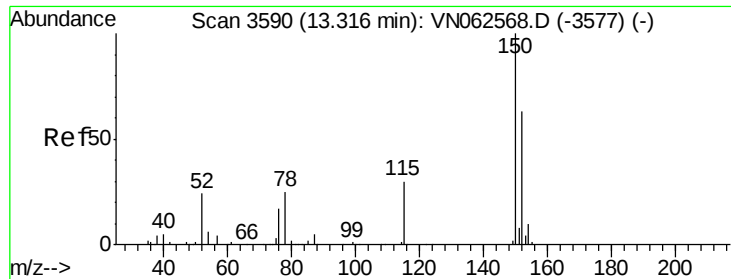
Tot Ion	95	Resp	109137
Ion Ratio	Lower	Upper	
95	100		
174	73.1	0.0	144.6
176	69.5	0.0	139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062696.D
Acq: 31 Jul 2020 19:32

Tgt Ion	117	Resp	232238
Ion Ratio	Lower	Upper	
117	100		
82	65.3	49.0	73.6
119	32.5	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

SP

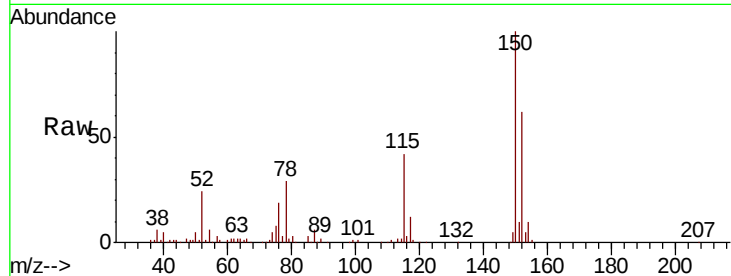
Tot Ion:152 Resp: 82284

Ion Ratio Lower Upper

152 100

115 63.5 31.8 95.4

150 159.1 0.0 351.4

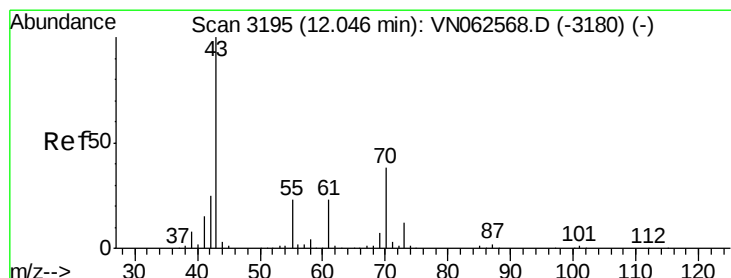
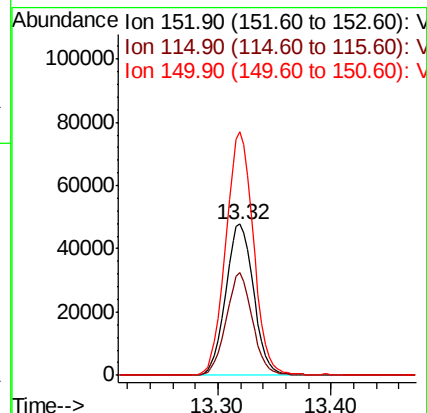
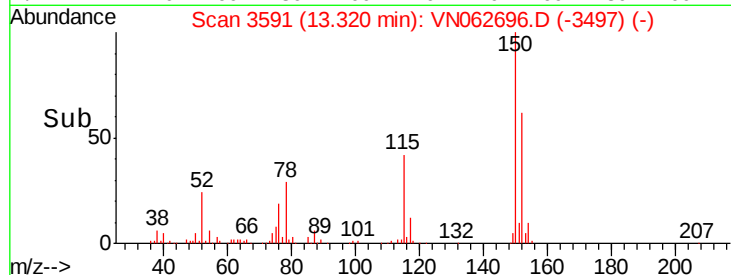


Abundance

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



#74

N-ethyl acetate

Concen: 0.608 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Tgt Ion: 43 Resp: 1768

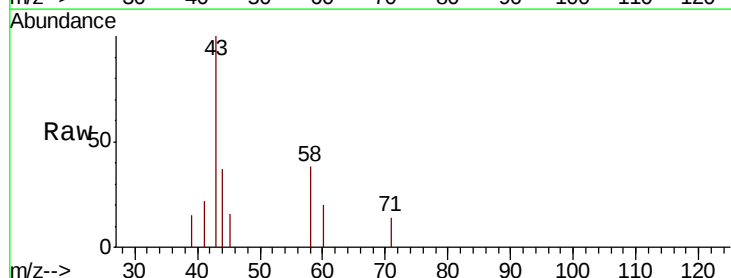
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#



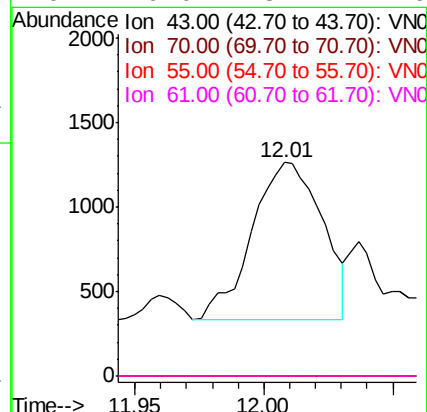
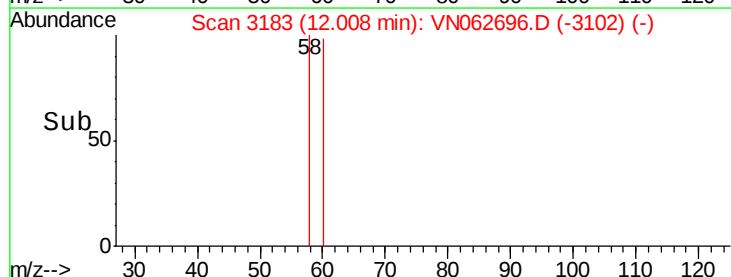
Abundance

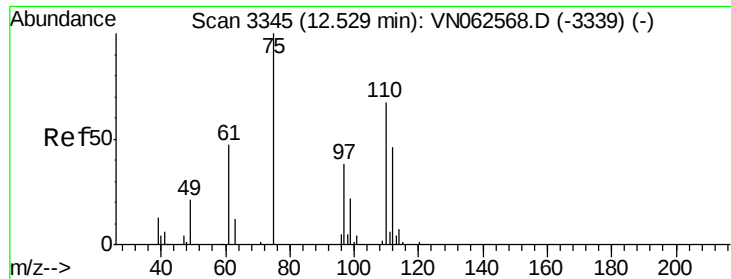
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.317 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

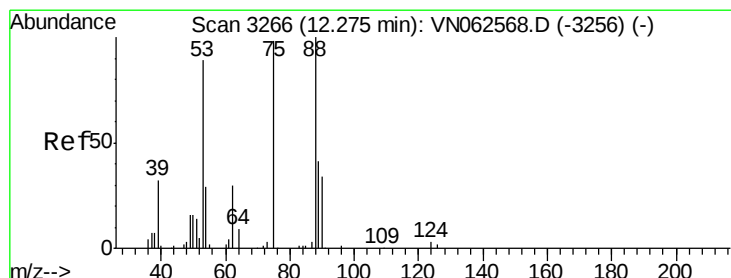
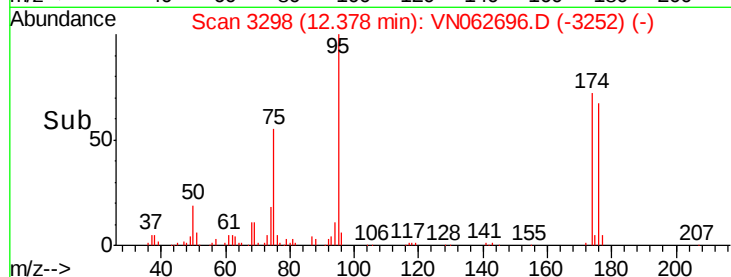
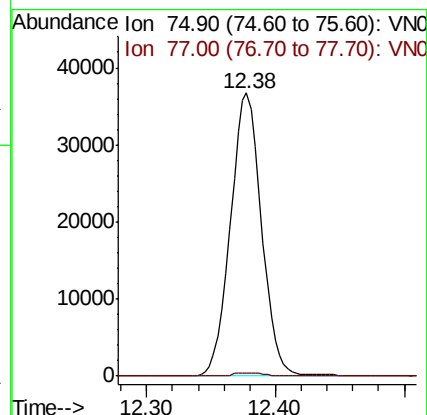
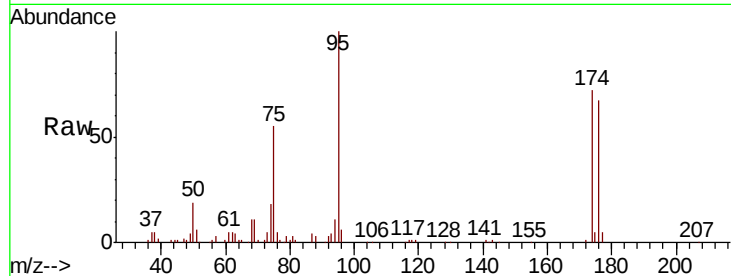
SP

Tot Ion: 75 Resp: 61402

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.612 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062696.D

Acq: 31 Jul 2020 19:32

Tgt Ion: 75 Resp: 61402

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

