

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062697.D
 Acq On : 31 Jul 2020 19:56
 Operator : JC/MD
 Sample : L3511-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Aug 01 06:08:21 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	124627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	237295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	235903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	111154	57.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.82%	
35) Dibromofluoromethane	7.55	113	76319	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.06	98	308921	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.38	95	112465	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

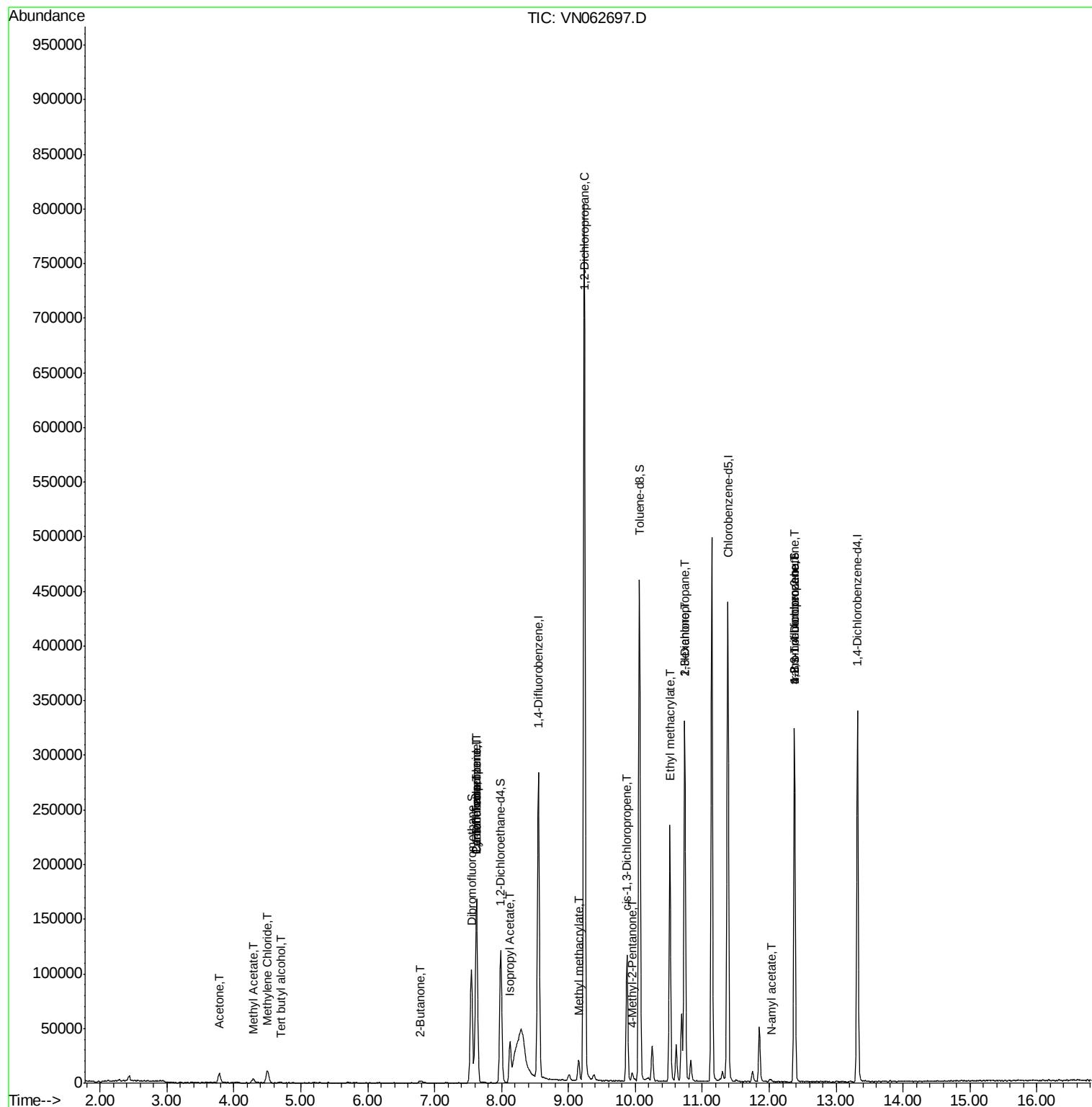
						Qvalue
11) Tert butyl alcohol	4.70	59	102	0.331	ug/l #	73
16) Acetone	3.78	43	14585	20.020	ug/l	97
18) Methyl Acetate	4.28	43	6922	3.753	ug/l	95
20) Methylene Chloride	4.50	84	8280	4.739	ug/l	93
25) 2-Butanone	6.80	43	1850	1.667	ug/l #	69
31) Cyclohexane	7.63	56	3066	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10960	4.333	ug/l #	51
38) Carbon Tetrachloride	7.62	117	13308	5.474	ug/l #	18
43) Isopropyl Acetate	8.13	43	47471	10.801	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	845	0.393	ug/l #	44
48) Methyl methacrylate	9.14	41	3316	1.587	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4721	1.795	ug/l	91
54) cis-1,3-Dichloropropene	9.87	75	18520	5.759	ug/l #	69
56) Ethyl methacrylate	10.51	69	989	2.077	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3233	1.023	ug/l #	42
59) 2-Hexanone	10.74	43	48404	26.477	ug/l #	54
74) N-amyl acetate	12.03	43	703	0.231	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	61581	28.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	61581	78.083	ug/l #	12

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

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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: VN062697.D

Acq: 31 Jul 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

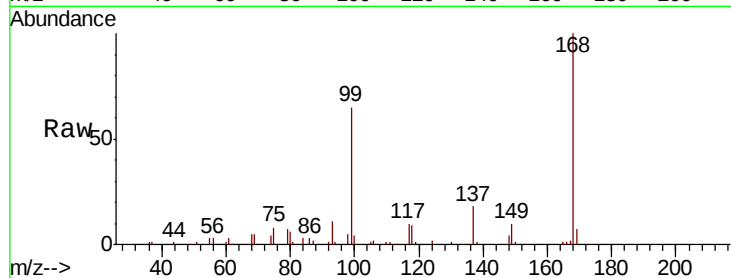
TP-1

Tot Ion:168 Resp: 124627

Ion Ratio Lower Upper

168 100

99 64.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062697.D

Ion 98.90 (98.60 to 99.60): VN062697.D

7.63

60000

50000

40000

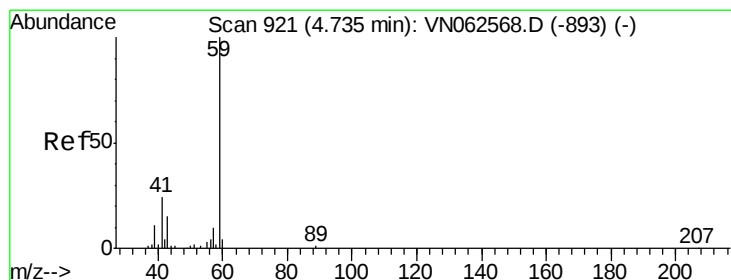
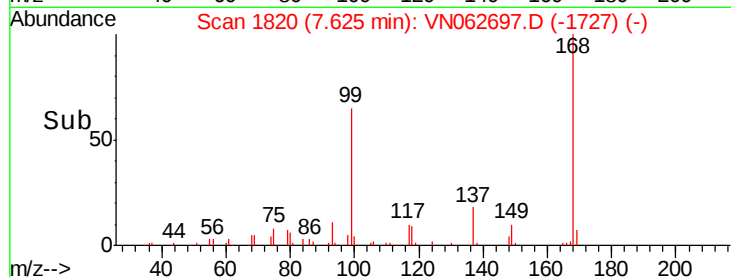
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.331 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.03 min

Lab File: VN062697.D

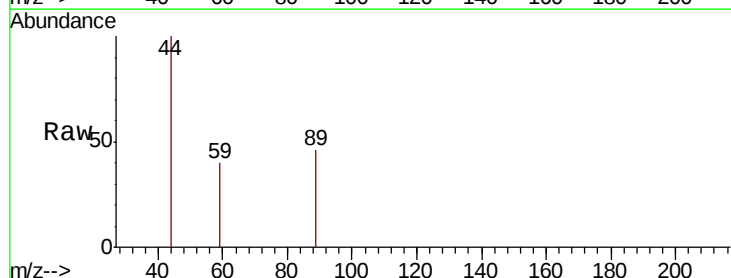
Acq: 31 Jul 2020 19:56

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN062697.D

Ion 57.00 (56.70 to 57.70): VN062697.D

4.70

200

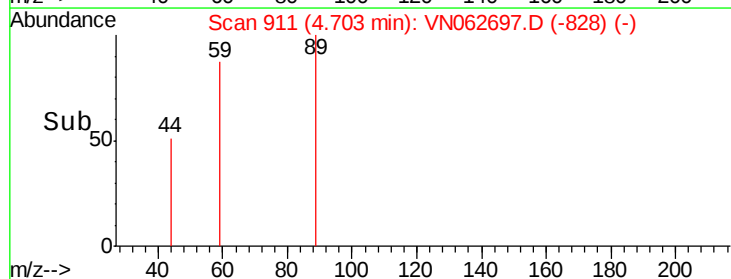
150

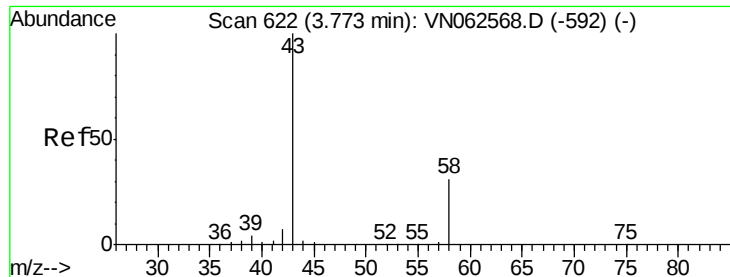
100

50

0

Time--> 4.69 4.70 4.71





#16

Acetone

Concen: 20.020 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062697.D

Acq: 31 Jul 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

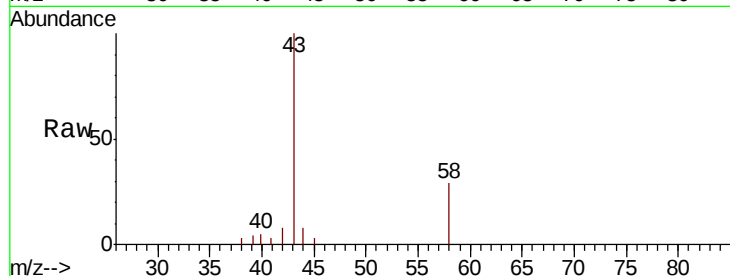
TP-1

Tot Ion: 43 Resp: 14585

Ion Ratio Lower Upper

43 100

58 29.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062697.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062697.D (-529) (-)

3.78

6000

5000

4000

3000

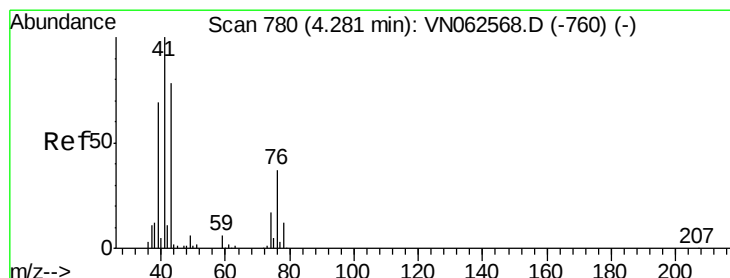
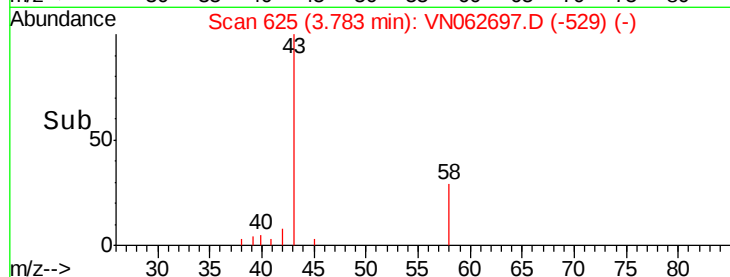
2000

1000

0

Time-->

3.70 3.75 3.80 3.85



#18

Methyl Acetate

Concen: 3.753 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN062697.D

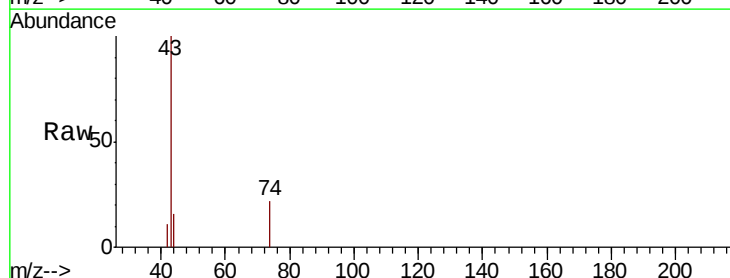
Acq: 31 Jul 2020 19:56

Tgt Ion: 43 Resp: 6922

Ion Ratio Lower Upper

43 100

74 23.3 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN062697.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN062697.D (-687) (-)

4.28

2500

2000

1500

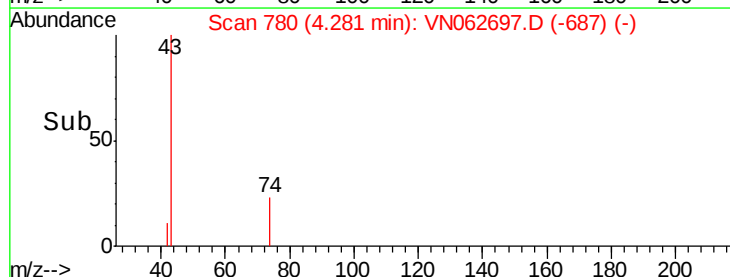
1000

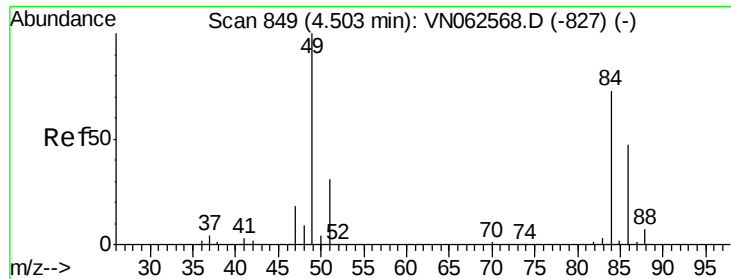
500

0

Time-->

4.20 4.25 4.30 4.35

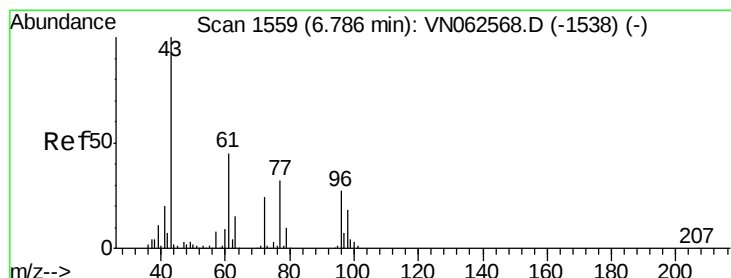
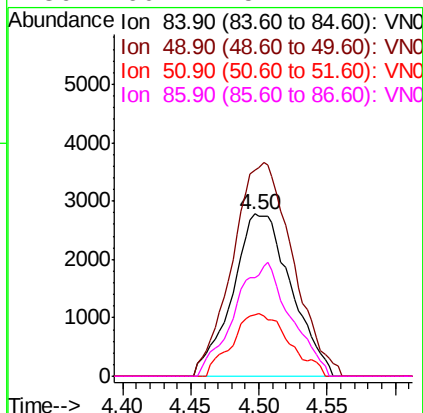
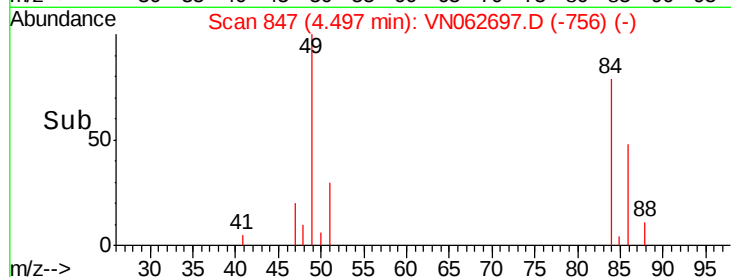
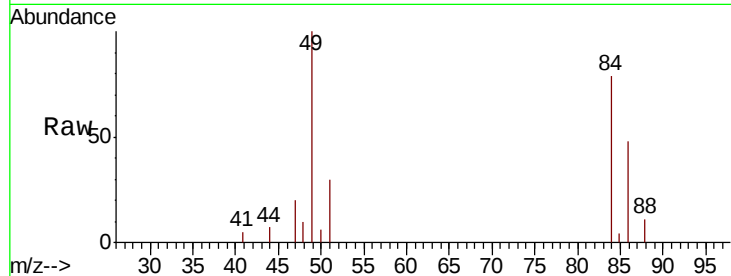




#20
Methvlene Chloride
Concen: 4.739 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

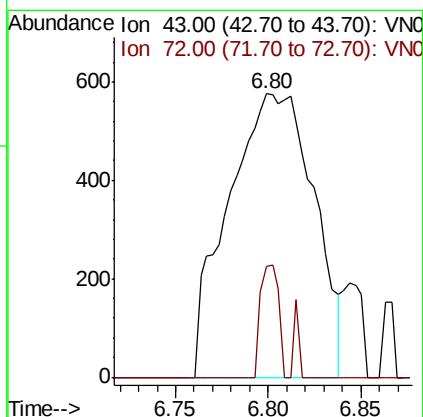
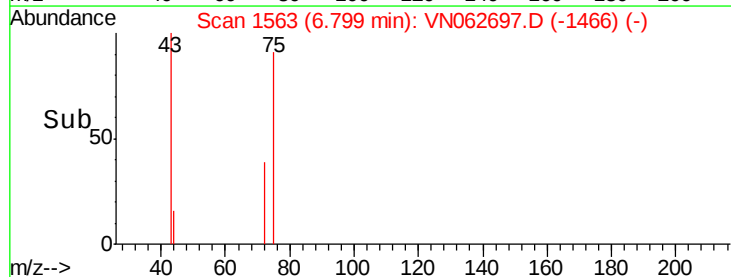
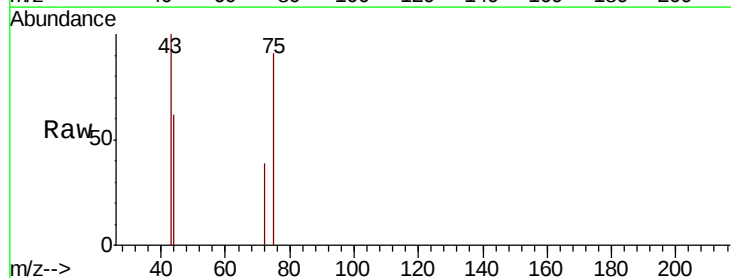
Instrument :
MSVOA_N
ClientSampled :
TP-1

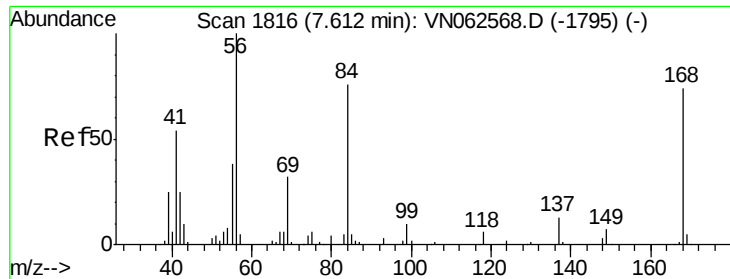
Tot Ion: 84 Resp: 8280
Ion Ratio Lower Upper
84 100
49 127.2 109.4 164.0
51 38.1 33.6 50.4
86 60.7 51.4 77.2



#25
2-Butanone
Concen: 1.667 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
72 38.9 19.0 28.6#

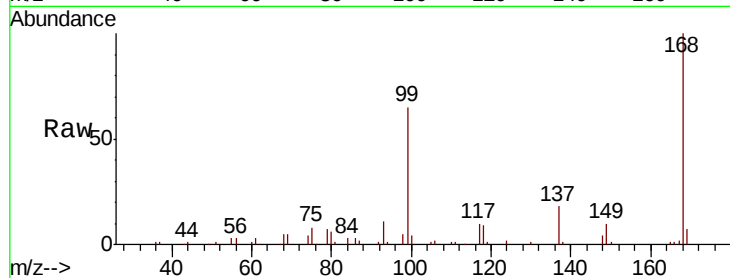




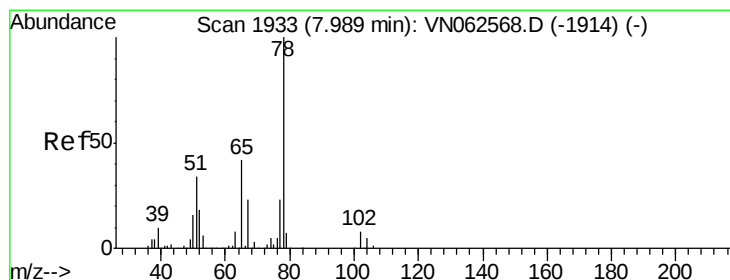
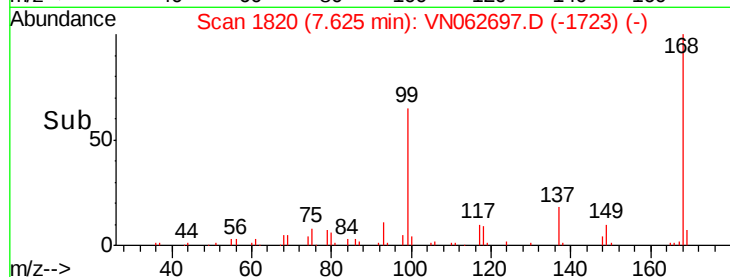
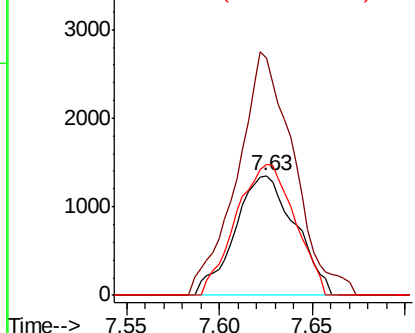
#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tot Ion: 56 Resp: 3066
Ion Ratio Lower Upper
56 100
69 198.2 25.3 37.9#
84 109.7 61.0 91.4#

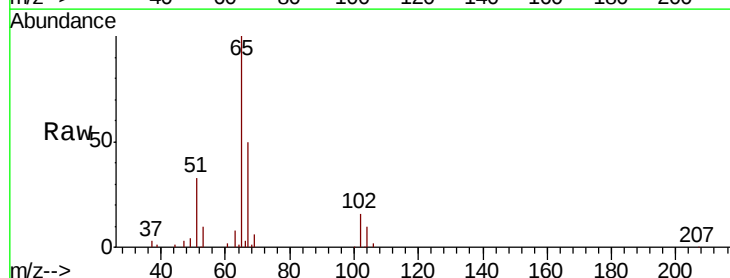


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

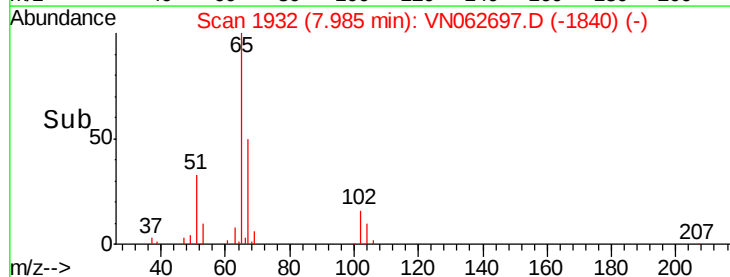
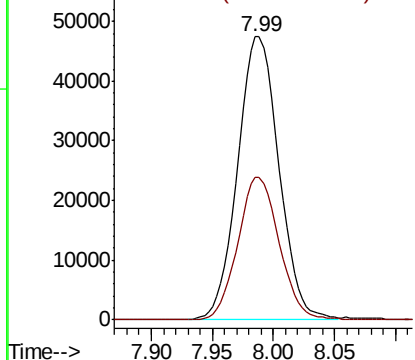


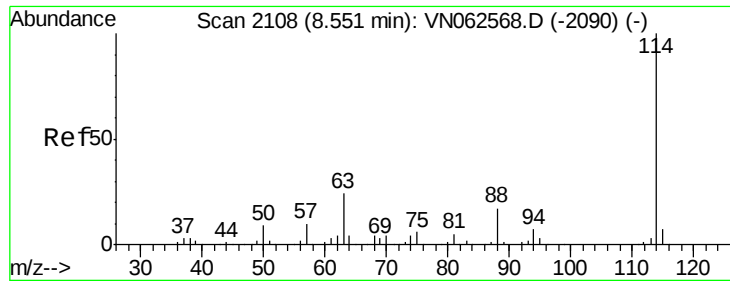
#33
1,2-Dichloroethane-d4
Concen: 57.414 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

Tgt Ion: 65 Resp: 111154
Ion Ratio Lower Upper
65 100
67 50.5 0.0 106.0



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

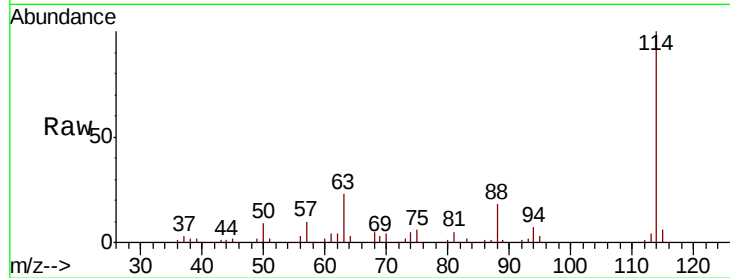




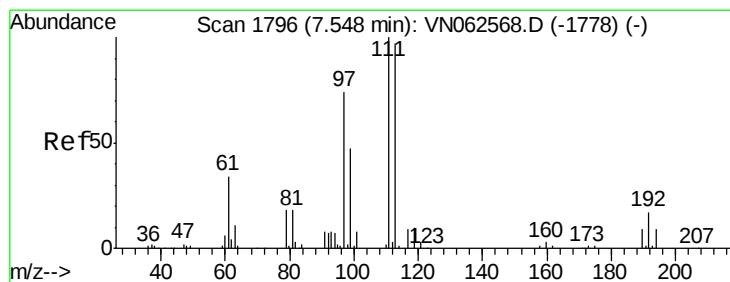
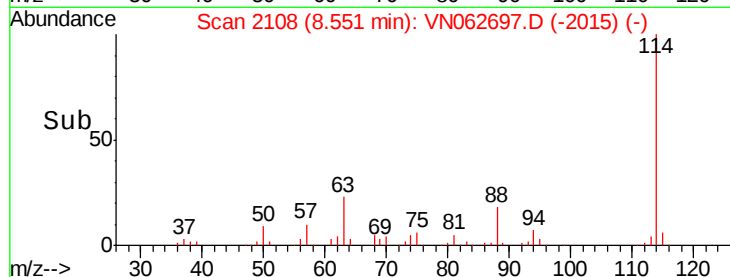
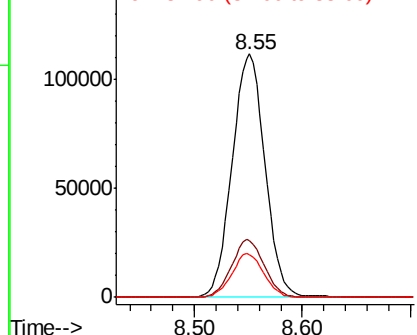
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062697.D
 Acq: 31 Jul 2020 19:56

Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	48.4
88	17.6	0.0	33.8

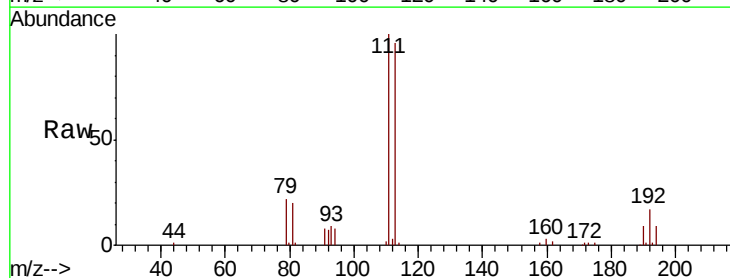


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

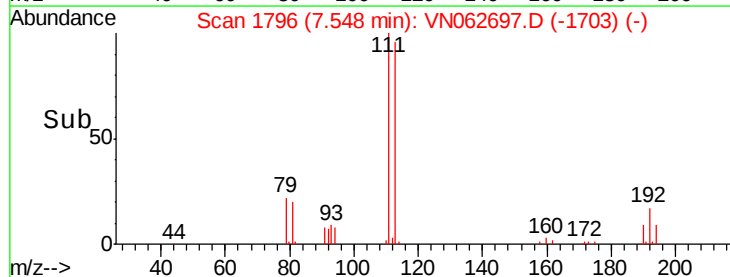
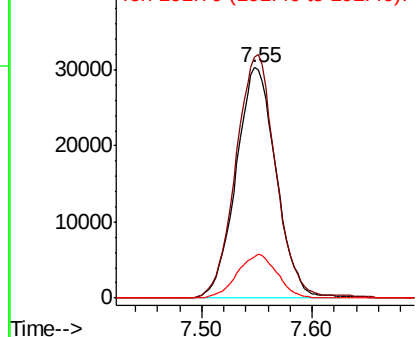


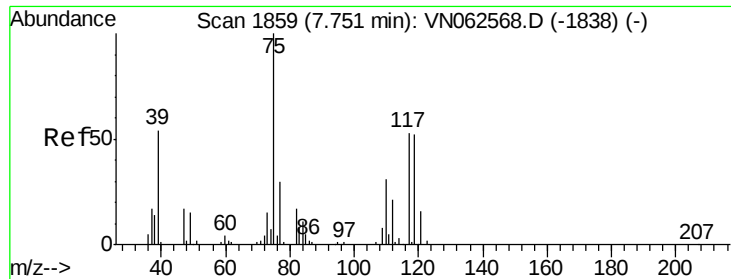
#35
 Dibromofluoromethane
 Concen: 48.964 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062697.D
 Acq: 31 Jul 2020 19:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.7	124.1
192	18.8	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

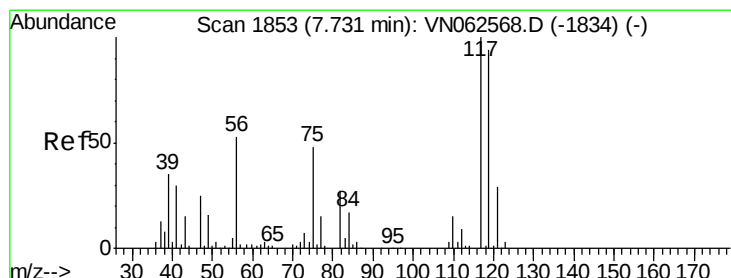
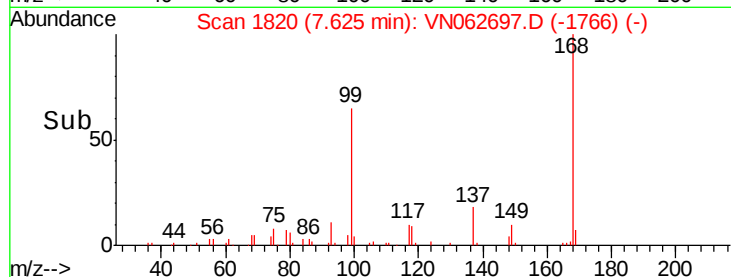
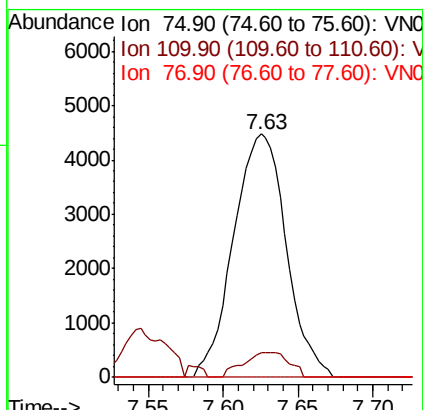
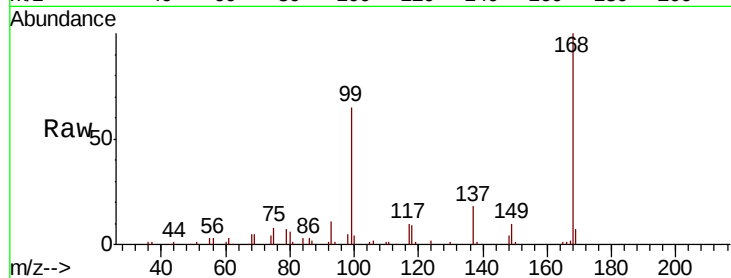




#36
 1,1-Dichloropropene
 Concen: 4.333 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062697.D
 Acq: 31 Jul 2020 19:56

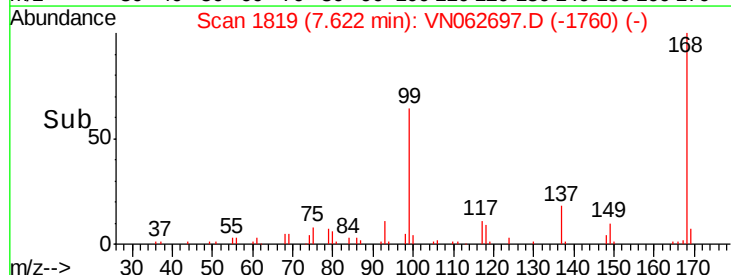
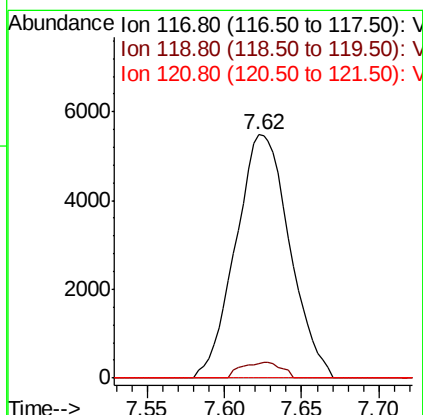
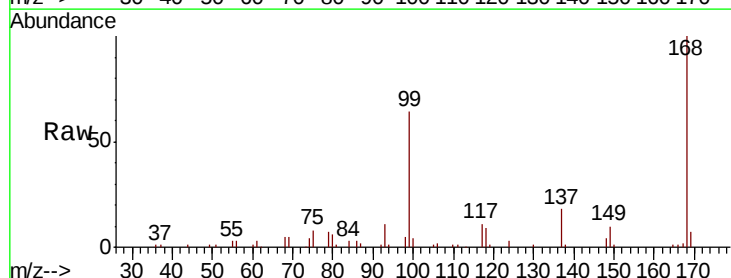
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

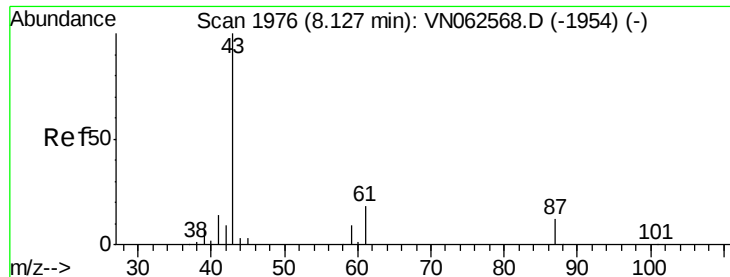
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.474 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062697.D
 Acq: 31 Jul 2020 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 10.801 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062697.D

Acq: 31 Jul 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-1

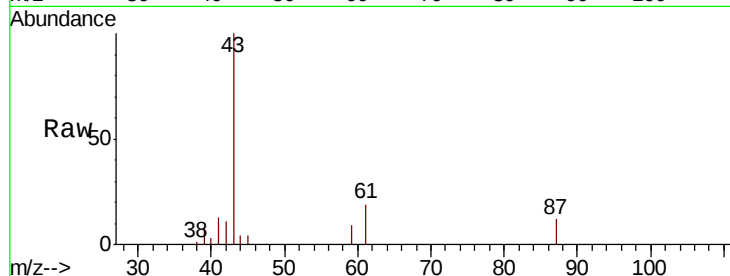
Tot Ion: 43 Resp: 47471

Ion Ratio Lower Upper

43 100

61 19.1 20.8 31.2#

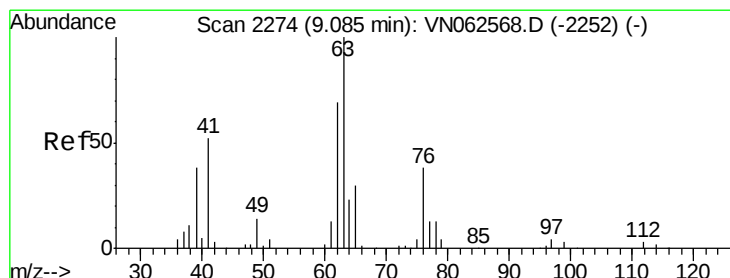
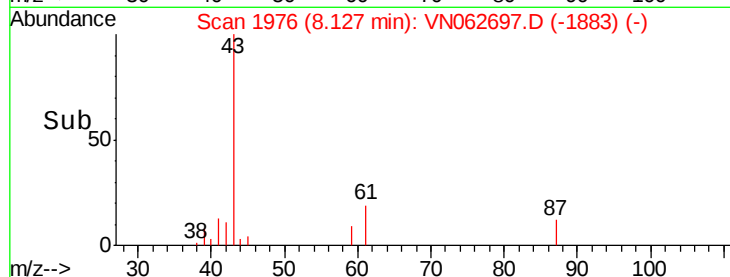
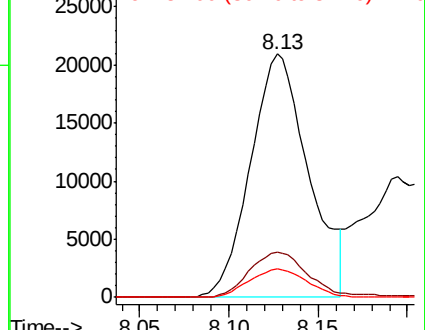
87 11.5 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062568.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062568.D (-1954) (-)



#45

1,2-Dichloropropane

Concen: 0.393 ug/l

RT: 9.24 min Scan# 2323

Delta R.T. 0.16 min

Lab File: VN062697.D

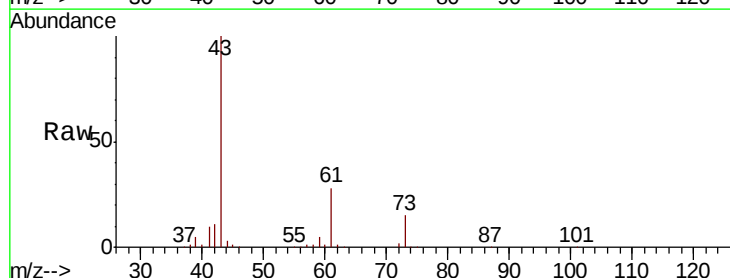
Acq: 31 Jul 2020 19:56

Tgt Ion: 63 Resp: 845

Ion Ratio Lower Upper

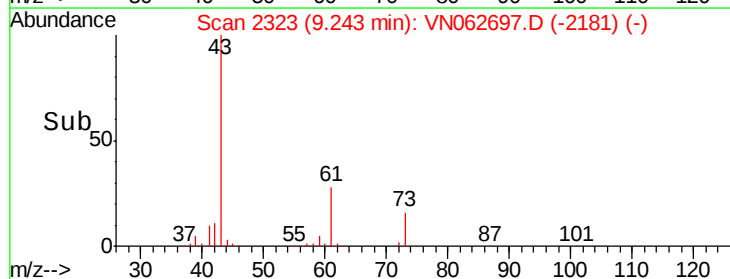
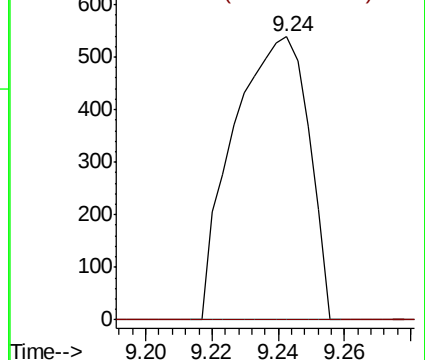
63 100

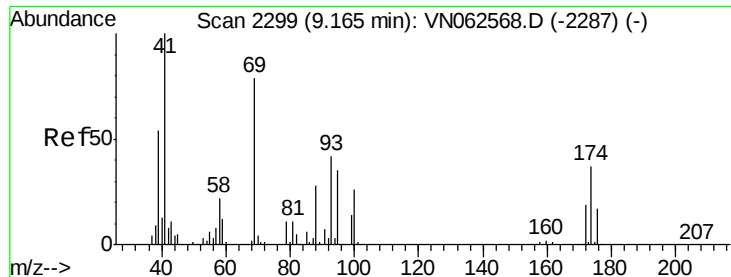
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062568.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN062568.D (-2252) (-)

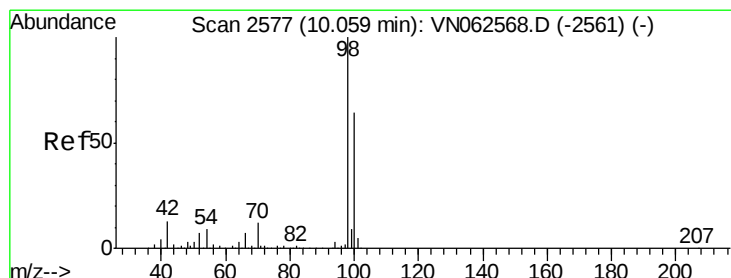
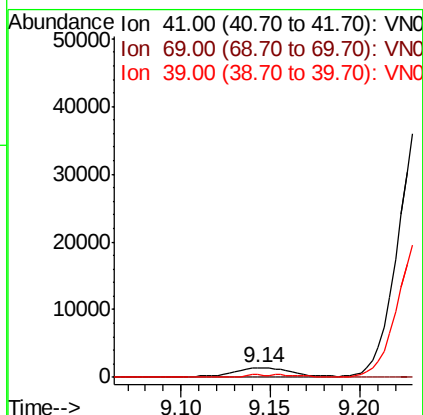
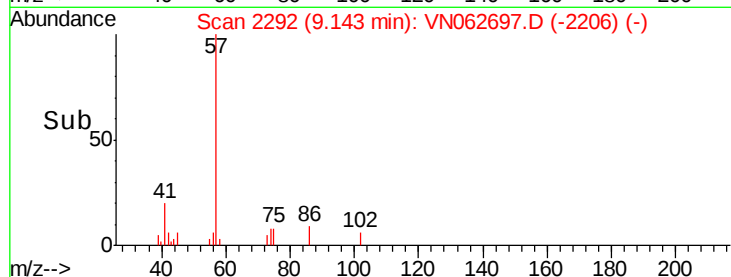
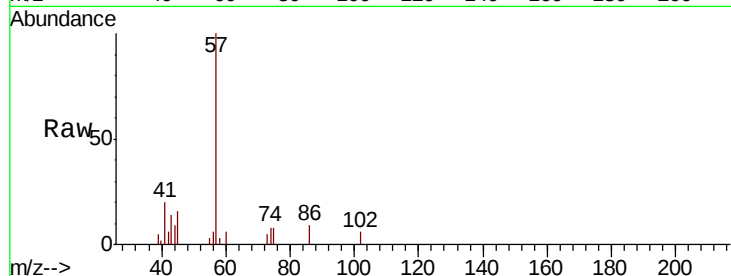




#48
Methvl methacrylate
Concen: 1.587 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

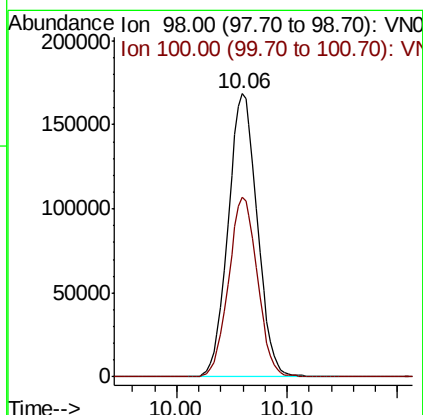
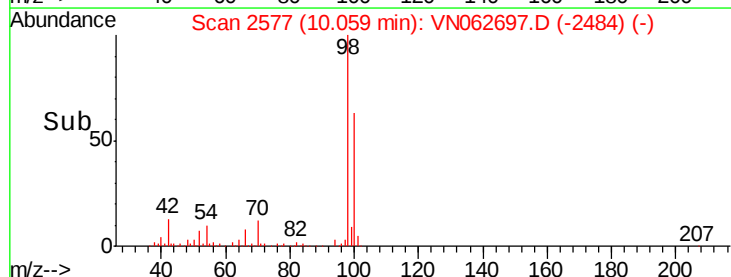
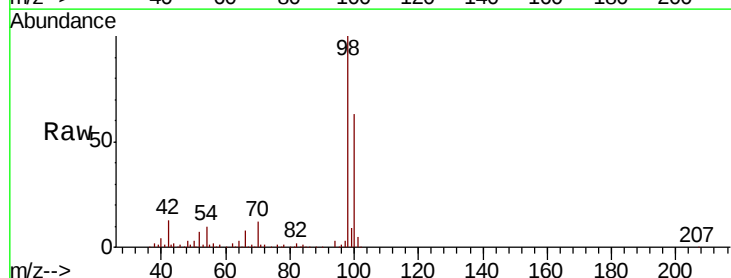
Instrument :
MSVOA_N
ClientSampled :
TP-1

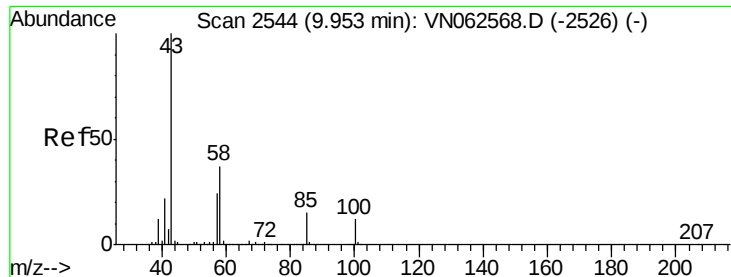
Tot Ion: 41 Resp: 3316
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 49.673 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

Tgt Ion: 98 Resp: 308921
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.795 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062697.D

Acq: 31 Jul 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

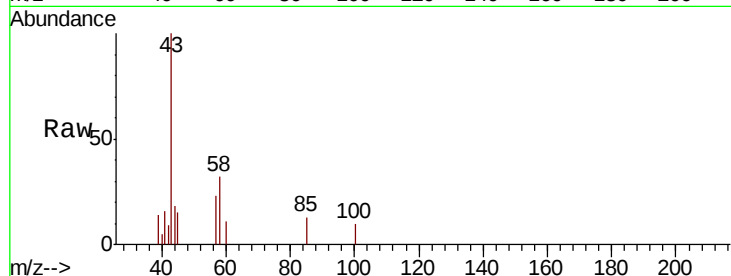
TP-1

Tot Ion: 43 Resp: 4721

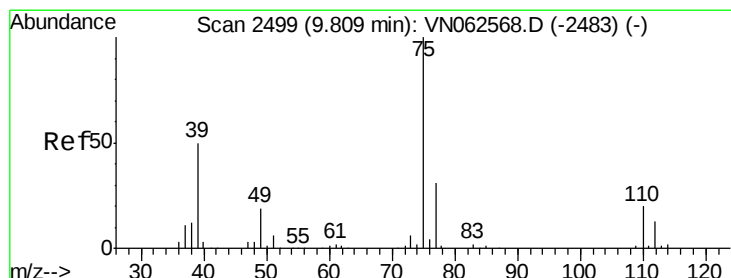
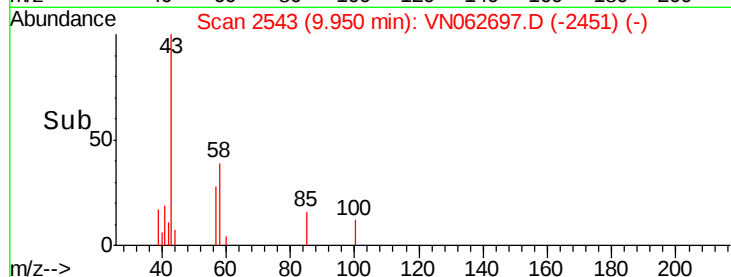
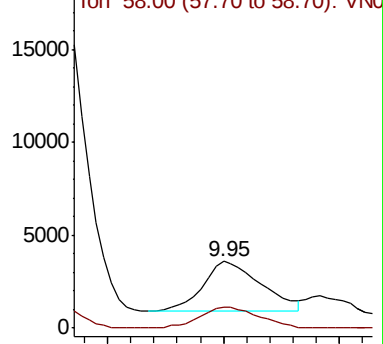
Ion Ratio Lower Upper

43 100

58 42.6 29.8 44.6



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



#54

cis-1,3-Dichloropropene

Concen: 5.759 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062697.D

Acq: 31 Jul 2020 19:56

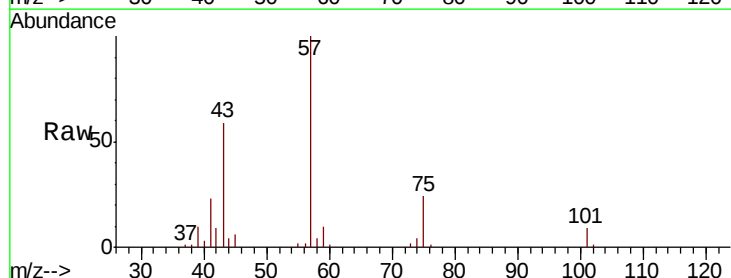
Tgt Ion: 75 Resp: 18520

Ion Ratio Lower Upper

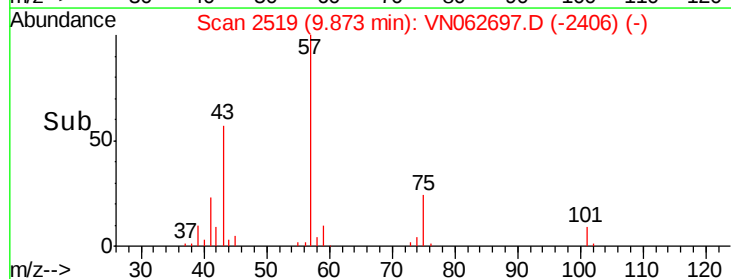
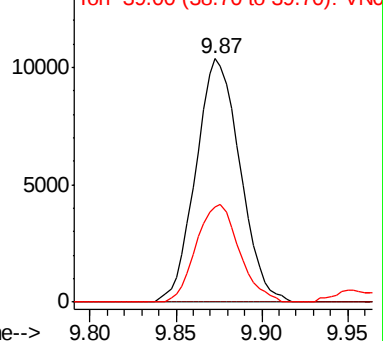
75 100

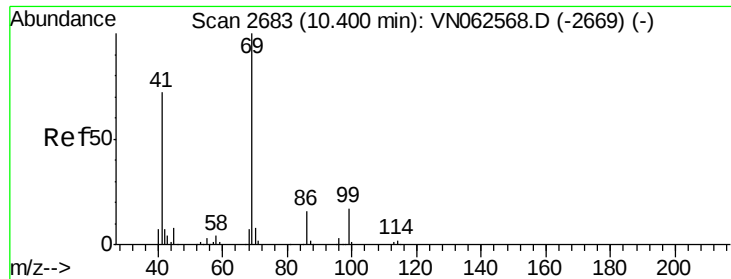
77 0.0 25.0 37.6#

39 39.1 39.8 59.8#



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





#56

Ethyl methacrylate

Concen: 2.077 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062697.D

Acq: 31 Jul 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-1

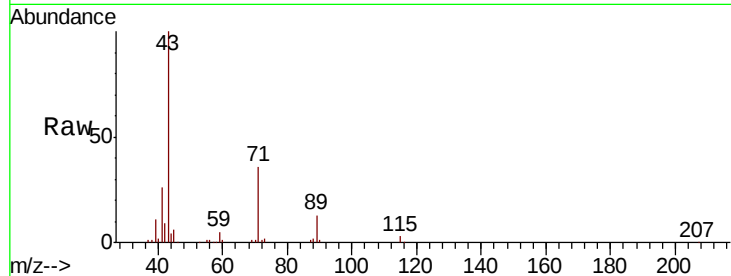
Tot Ion: 69 Resp: 989

Ion Ratio Lower Upper

69 100

41 4449.1 57.2 85.8#

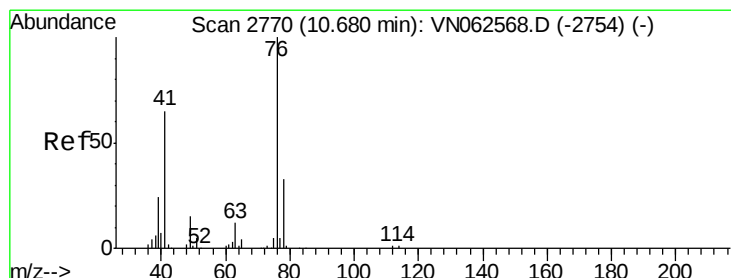
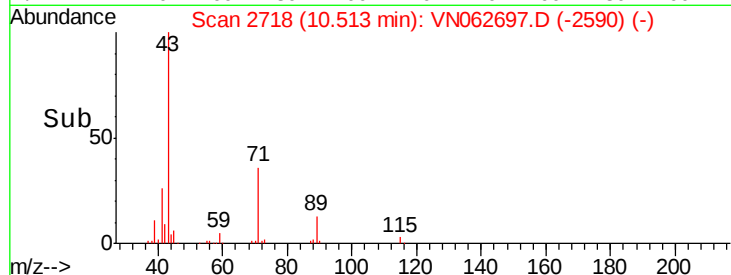
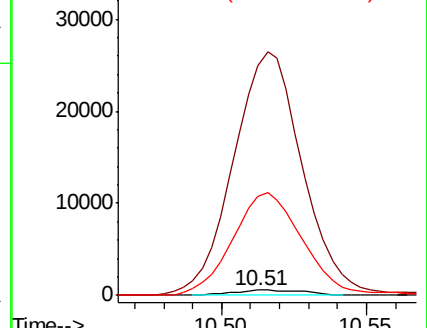
39 1901.4 28.6 43.0#



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: 1.023 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.06 min

Lab File: VN062697.D

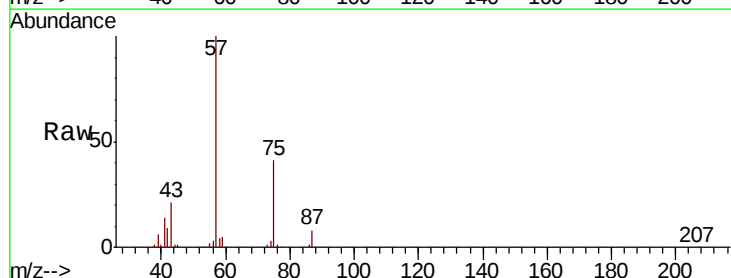
Acq: 31 Jul 2020 19:56

Tgt Ion: 76 Resp: 3233

Ion Ratio Lower Upper

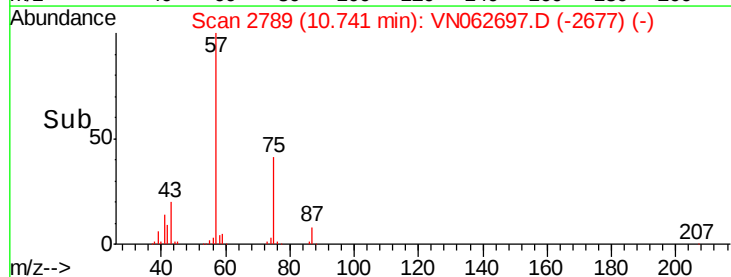
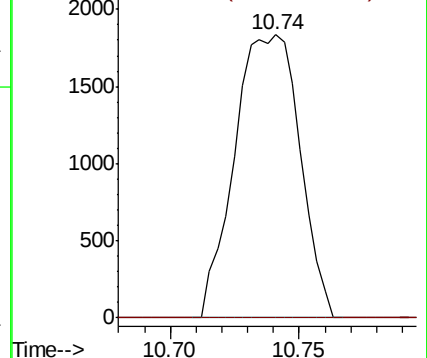
76 100

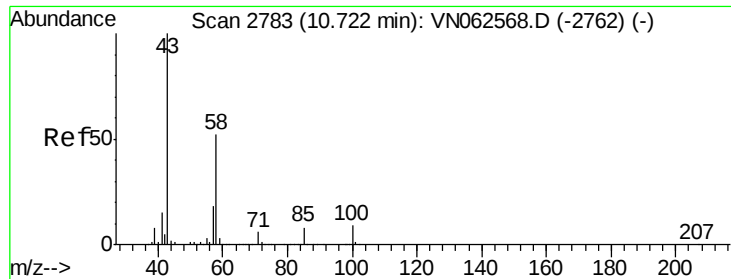
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

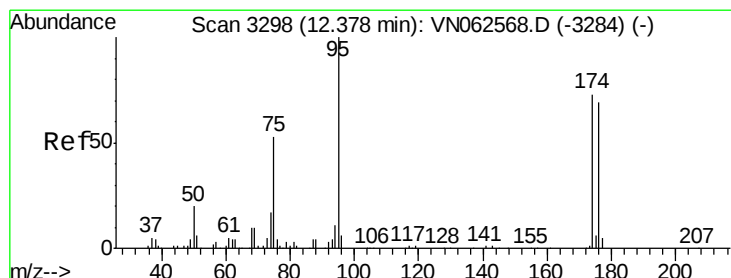
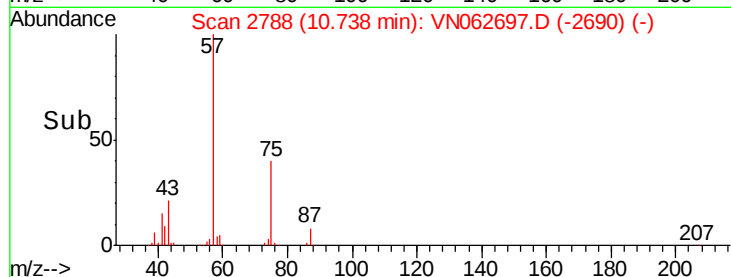
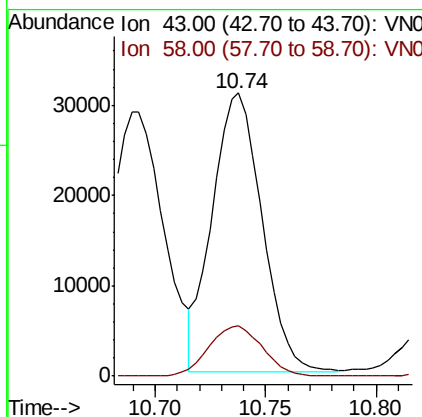
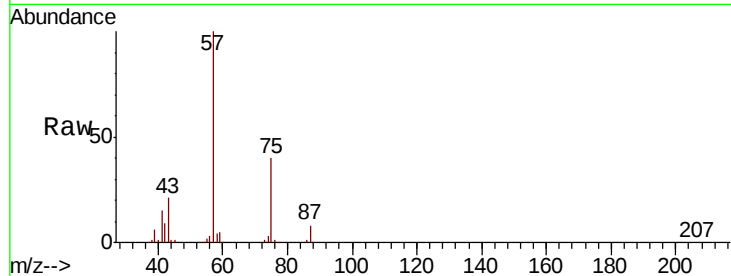




#59
2-Hexanone
Concen: 26.477 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

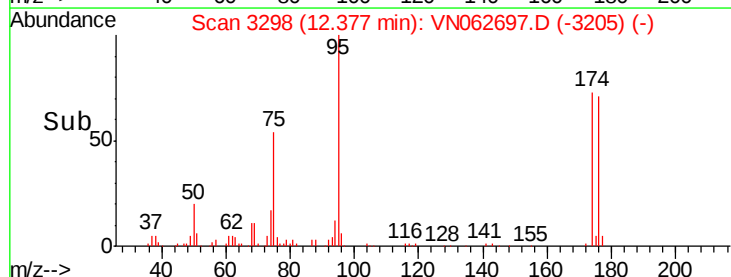
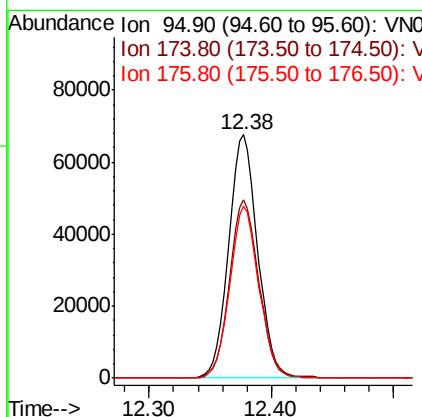
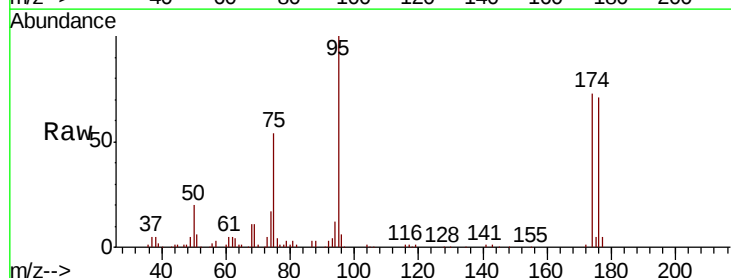
Instrument :
MSVOA_N
ClientSampled :
TP-1

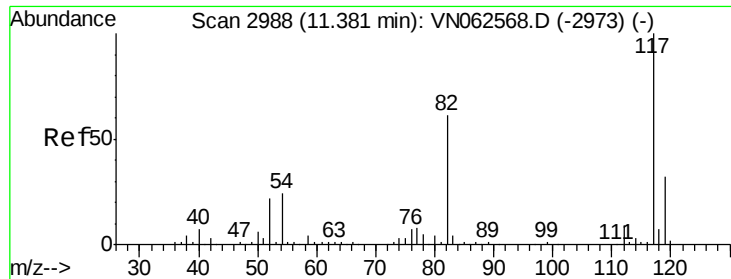
Tot Ion: 43 Resp: 48404
Ion Ratio Lower Upper
43 100
58 19.4 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 49.458 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

Tgt Ion: 95 Resp: 112465
Ion Ratio Lower Upper
95 100
174 74.0 0.0 144.6
176 70.8 0.0 139.4

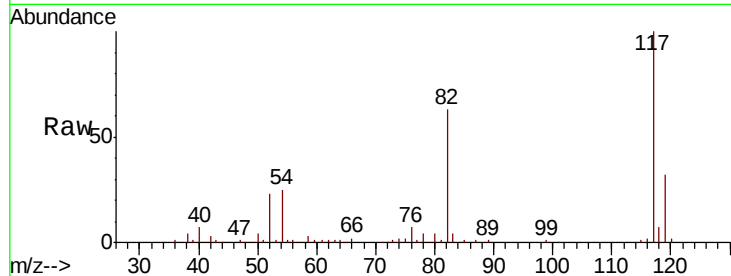




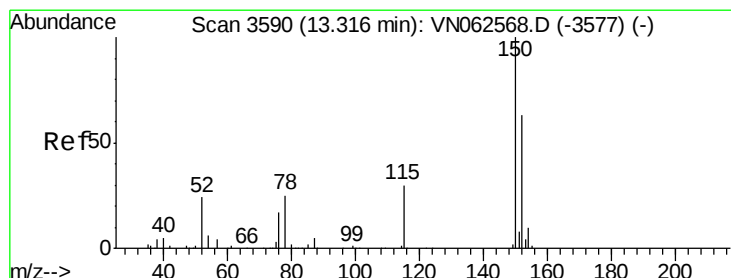
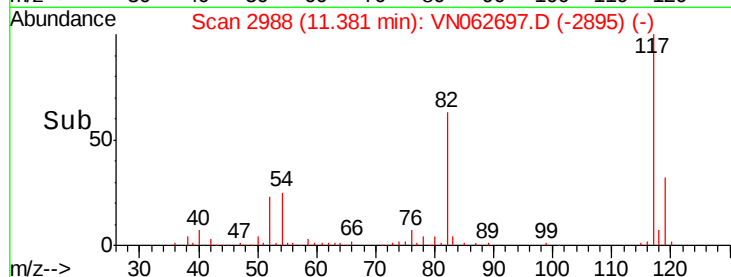
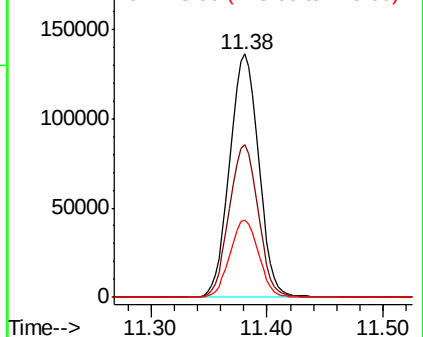
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tot Ion:117 Resp: 235903
Ion Ratio Lower Upper
117 100
82 62.8 49.0 73.6
119 32.0 25.4 38.2

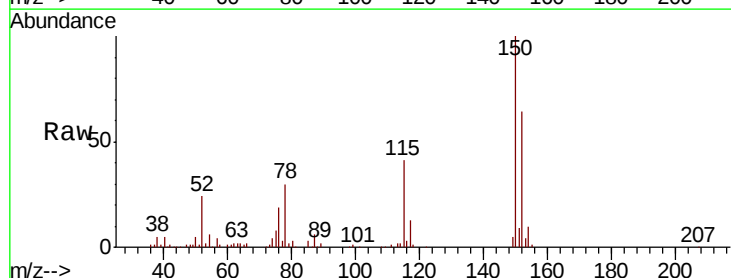


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

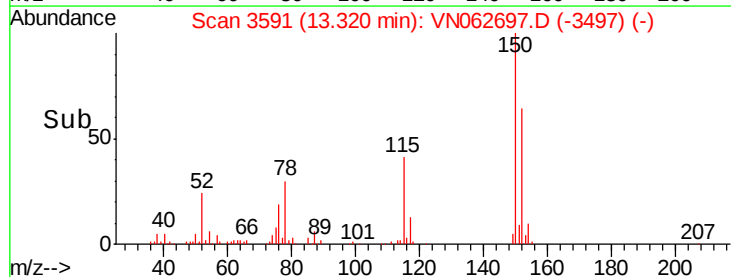
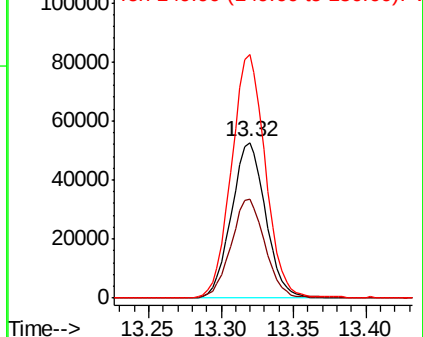


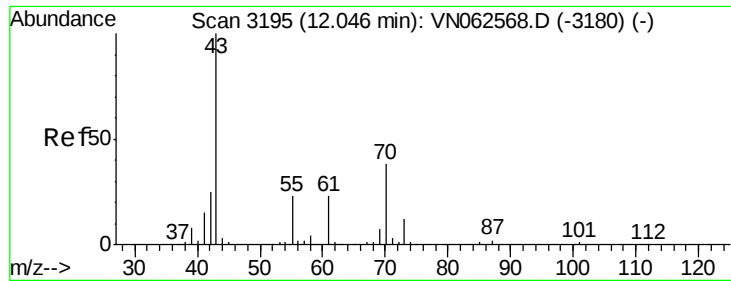
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062697.D
Acq: 31 Jul 2020 19:56

Tgt Ion:152 Resp: 86253
Ion Ratio Lower Upper
152 100
115 63.2 31.8 95.4
150 155.2 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: 0.231 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VN062697.D

Acq: 31 Jul 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-1

Tot Ion: 43 Resp: 703

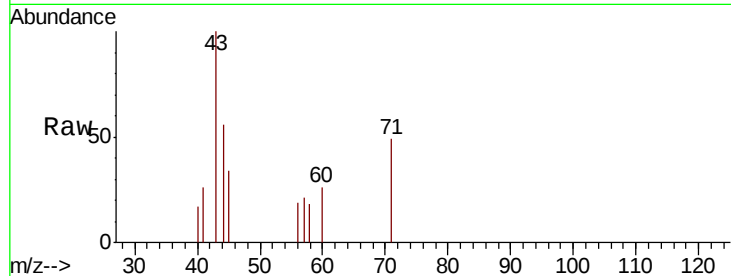
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

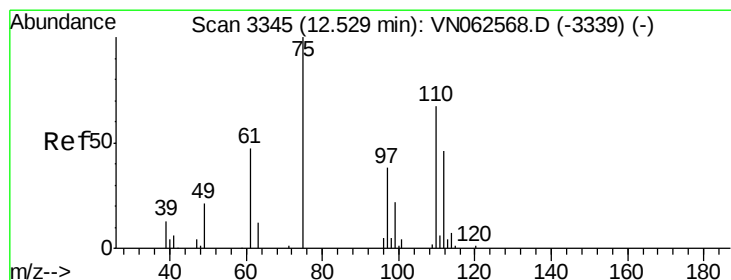
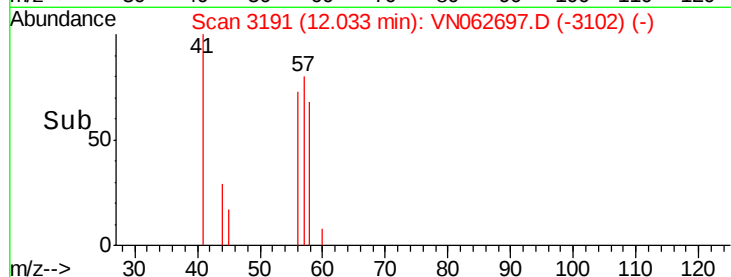
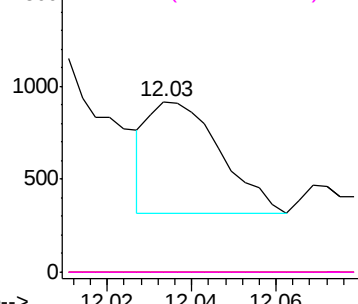


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.049 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062697.D

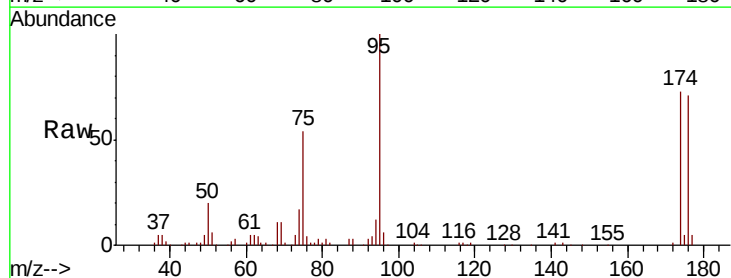
Acq: 31 Jul 2020 19:56

Tgt Ion: 75 Resp: 61581

Ion Ratio Lower Upper

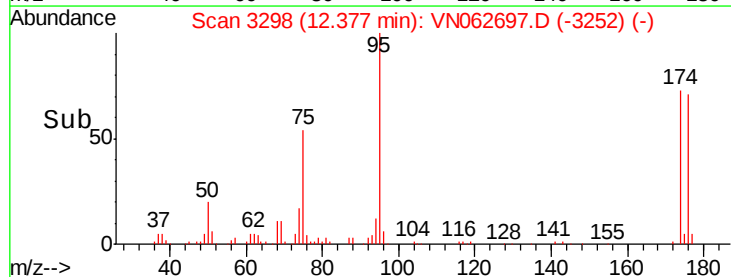
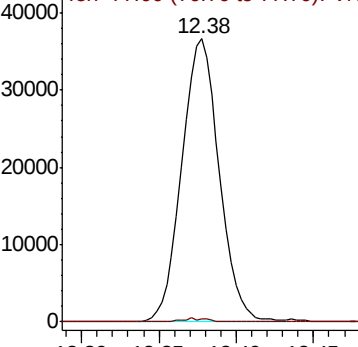
75 100

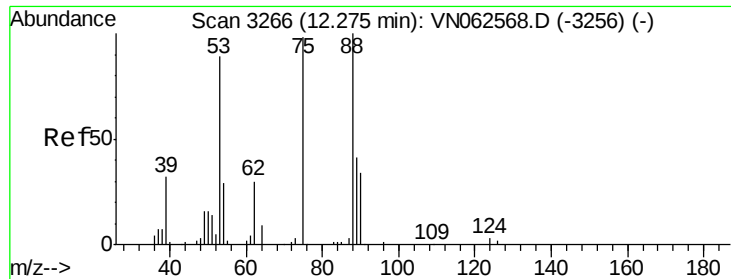
77 0.8 0.0 0.0#



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: 78.083 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062697.D

Acq: 31 Jul 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-1

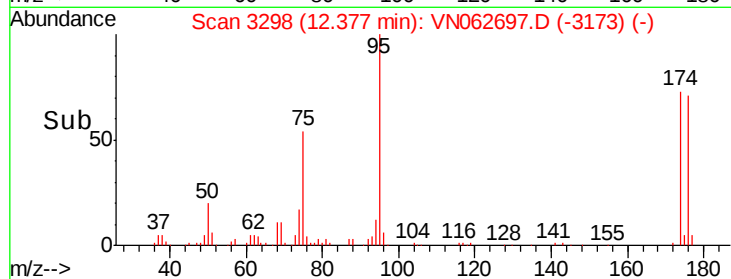
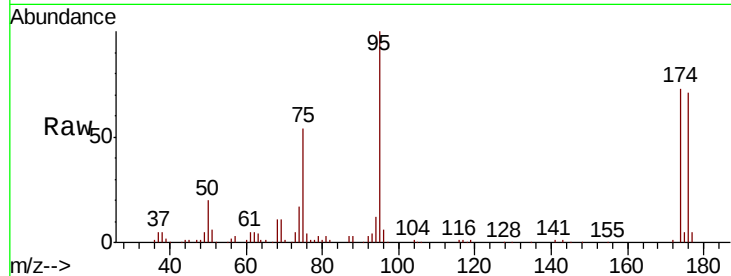
Tot Ion: 75 Resp: 61581

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

