

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062685.D
 Acq On : 31 Jul 2020 15:06
 Operator : JC/MD
 Sample : PB130640ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#08

Quant Time: Aug 01 06:05:30 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	127702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	239074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	242457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88416	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	113410	57.17	ug/l	0.00
Spiked Amount			Recovery	=	114.34%	
35) Dibromofluoromethane	7.55	113	77207	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.06	98	316511	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.38	95	116025	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	

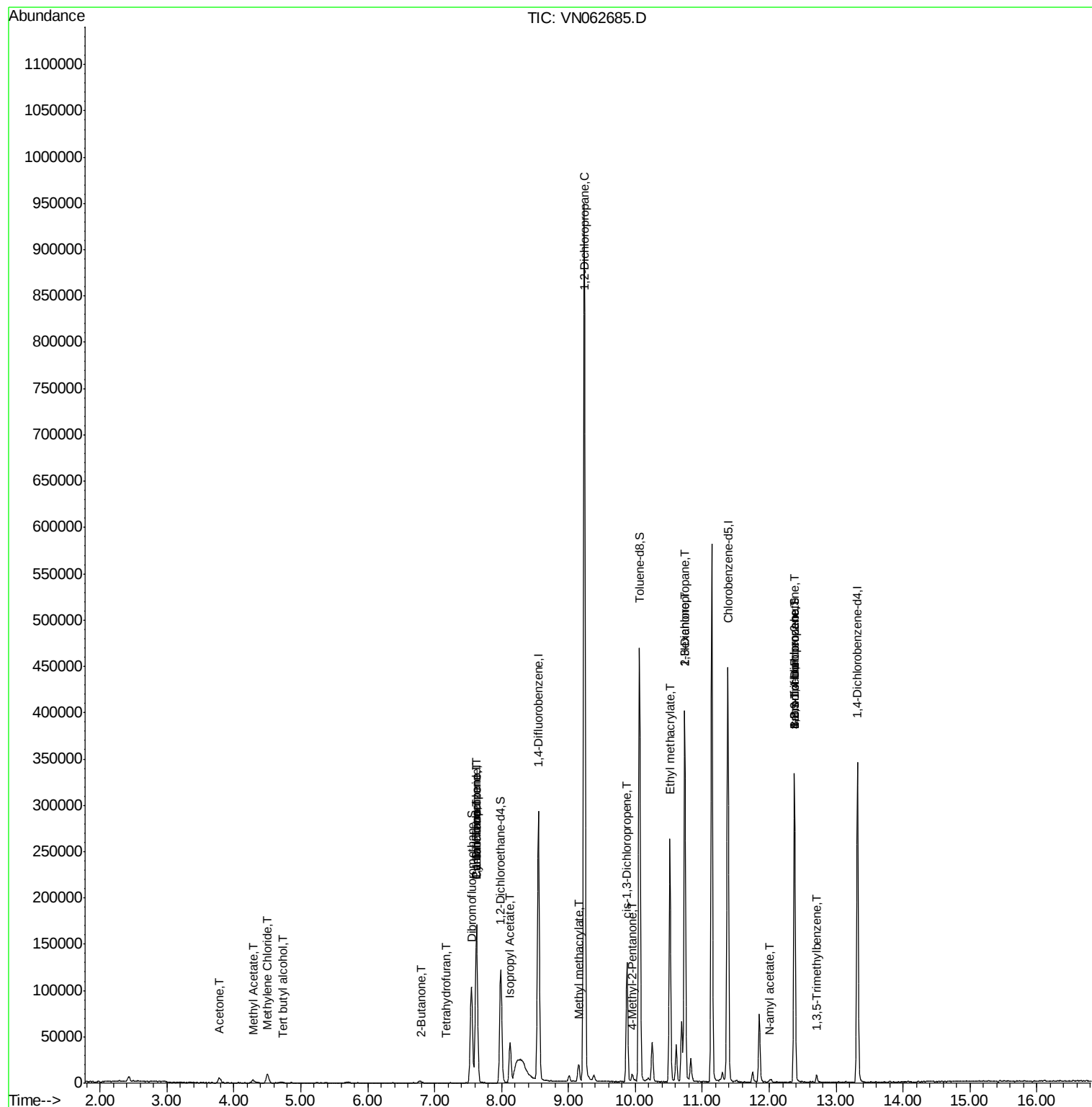
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	310	0.982	ug/l #	73
16) Acetone	3.78	43	10286	13.779	ug/l #	89
18) Methyl Acetate	4.28	43	6603	3.494	ug/l	93
20) Methylene Chloride	4.50	84	6147	3.433	ug/l #	92
25) 2-Butanone	6.80	43	997	0.877	ug/l #	52
29) Tetrahydrofuran	7.17	42	253	0.329	ug/l #	38
31) Cyclohexane	7.62	56	3449	1.180	ug/l #	47
36) 1,1-Dichloropropene	7.63	75	11496	4.511	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14232	5.810	ug/l #	16
43) Isopropyl Acetate	8.13	43	50951	11.506	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	1088	0.502	ug/l #	44
48) Methyl methacrylate	9.15	41	3393	1.612	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5414	2.043	ug/l	97
54) cis-1,3-Dichloropropene	9.87	75	22173	6.844	ug/l #	63
56) Ethyl methacrylate	10.52	69	1306	2.173	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3910	1.228	ug/l #	42
59) 2-Hexanone	10.74	43	60142	31.962	ug/l #	53
71) Bromoform	12.37	173	308	0.215	ug/l #	29
74) N-amyl acetate	12.00	43	1587	0.508	ug/l #	47
76) 1,2,3-Trichloropropane	12.38	75	63665	28.289	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4367	0.753	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	63665	78.751	ug/l #	12

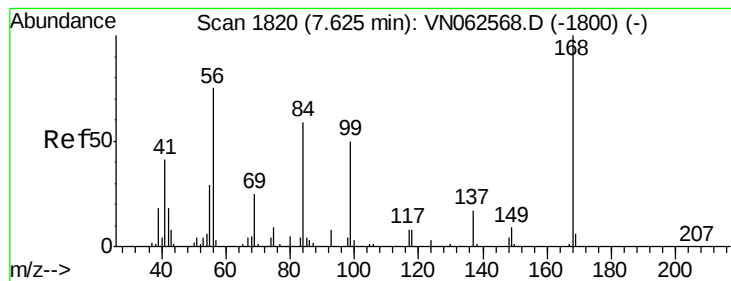
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\
Data File : VN062685.D
Acq On : 31 Jul 2020 15:06
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Sample : PB130640ZHE#08
Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Aug 01 06:05:30 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: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

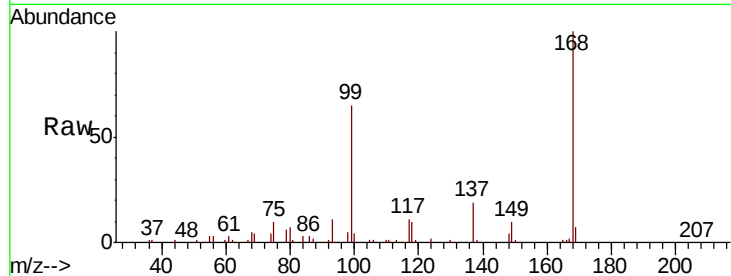
PB130640ZHE#08

Tot Ion:168 Resp: 127702

Ion Ratio Lower Upper

168 100

99 64.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

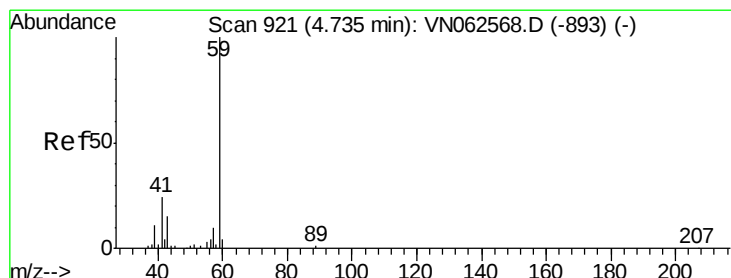
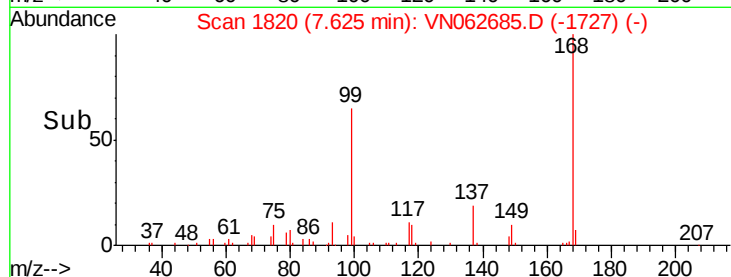
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.982 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN062685.D

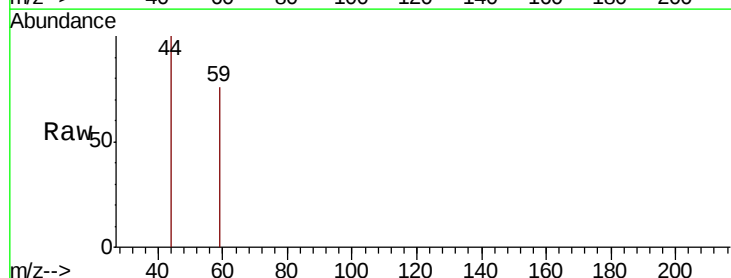
Acq: 31 Jul 2020 15:06

Tgt Ion: 59 Resp: 310

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

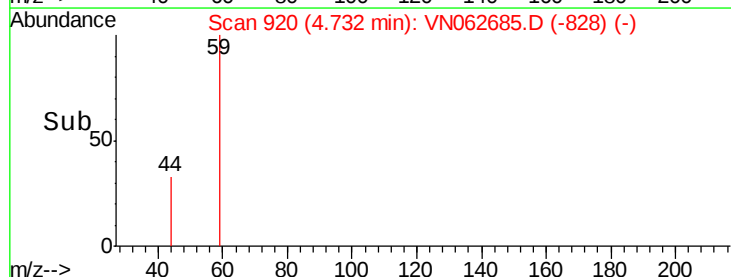
300

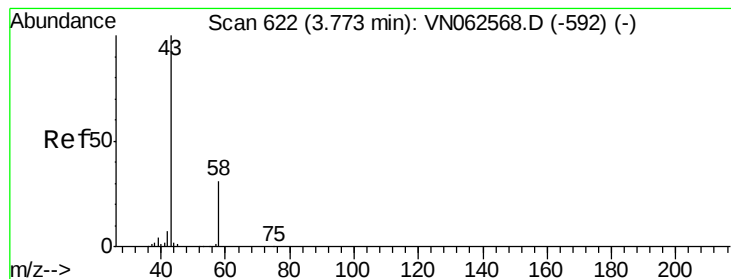
200

100

0

Time-->





#16

Acetone

Concen: 13.779 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

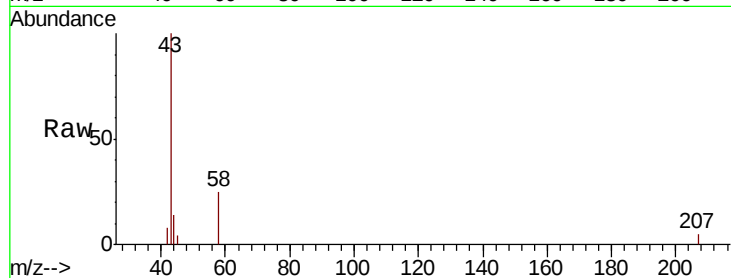
PB130640ZHE#08

Tot Ion: 43 Resp: 10286

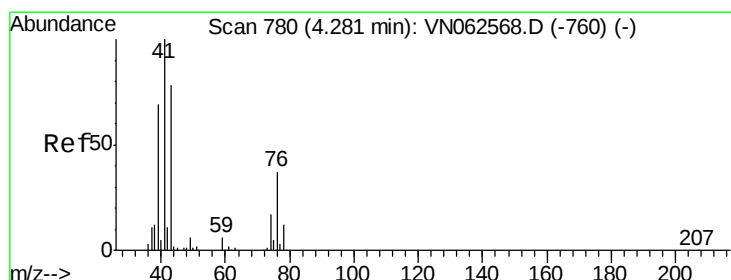
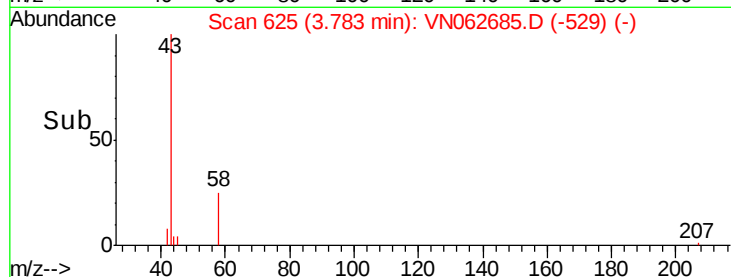
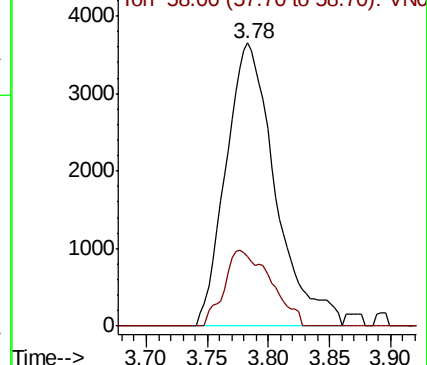
Ion Ratio Lower Upper

43 100

58 24.6 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062685.D (-529) (-)



#18

Methyl Acetate

Concen: 3.494 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062685.D

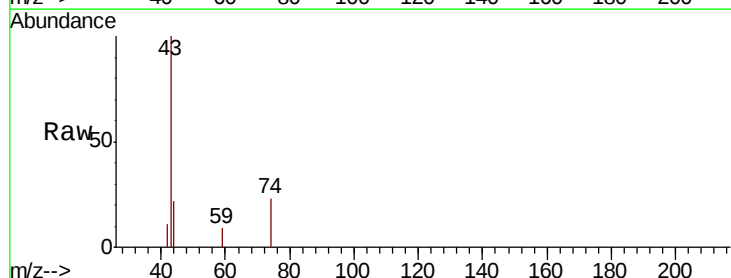
Acq: 31 Jul 2020 15:06

Tgt Ion: 43 Resp: 6603

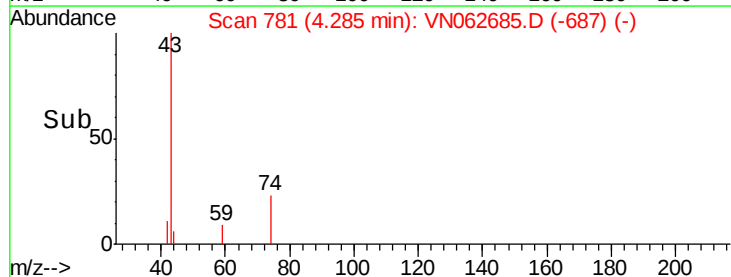
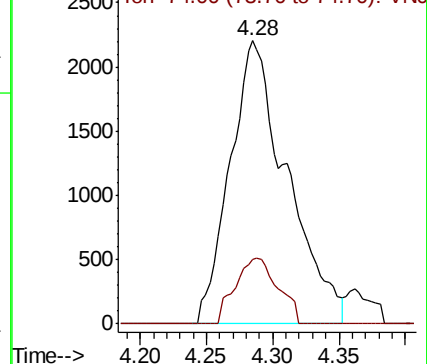
Ion Ratio Lower Upper

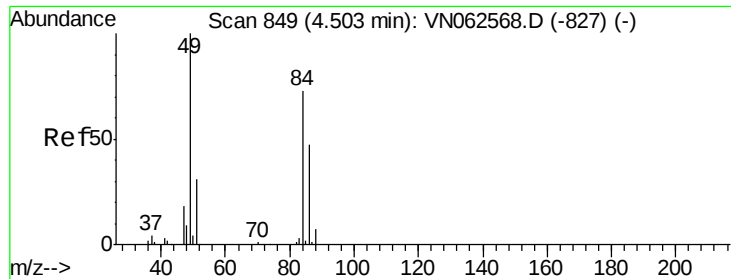
43 100

74 17.4 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN062685.D (-687) (-)

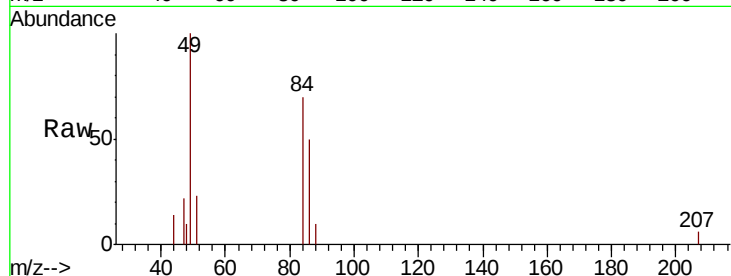




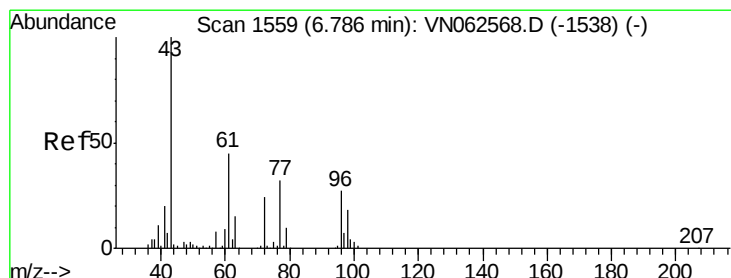
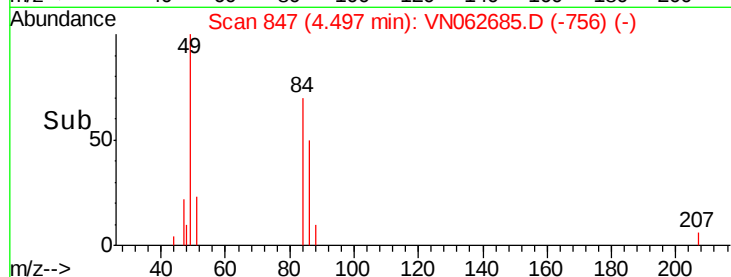
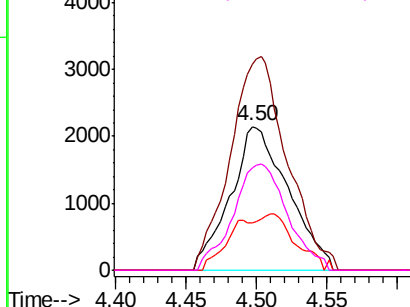
#20
Methvlene Chloride
Concen: 3.433 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062685.D
Acq: 31 Jul 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#08

Tot Ion: 84 Resp: 6147
Ion Ratio Lower Upper
84 100
49 142.9 109.4 164.0
51 33.2 33.6 50.4#
86 71.1 51.4 77.2

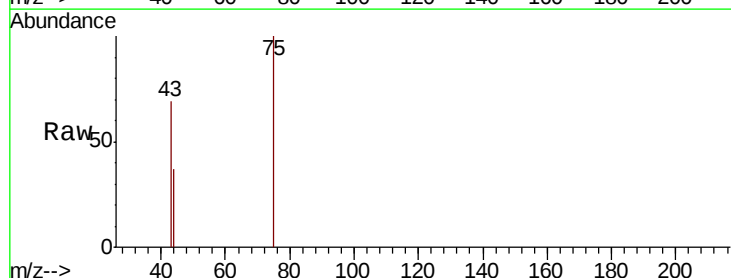


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

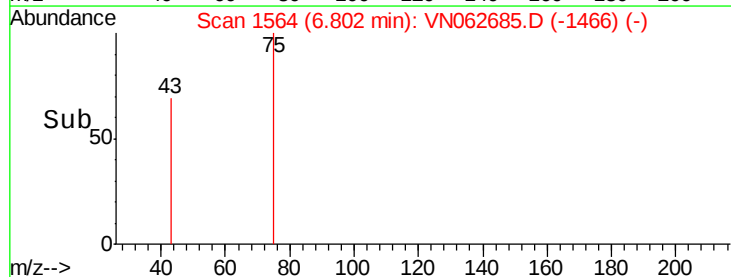
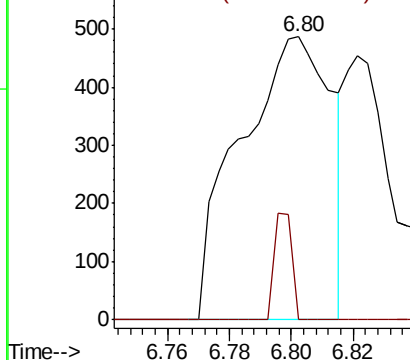


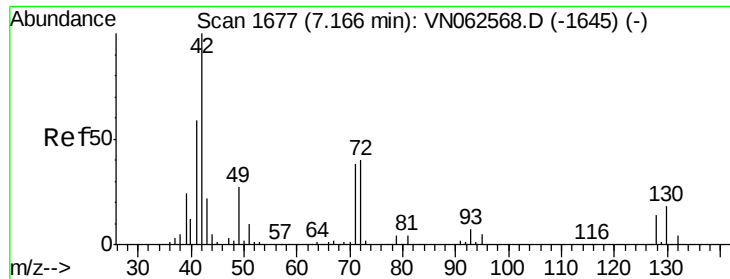
#25
2-Butanone
Concen: 0.877 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.02 min
Lab File: VN062685.D
Acq: 31 Jul 2020 15:06

Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



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





#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#08

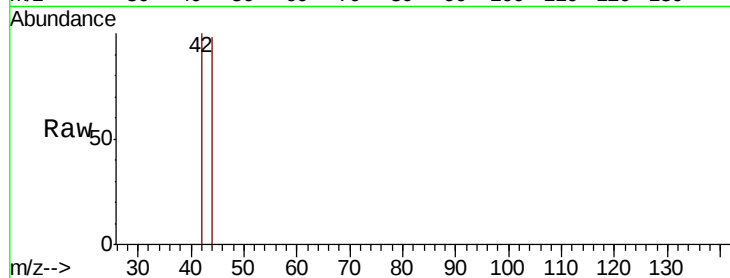
Tot Ion: 42 Resp: 253

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

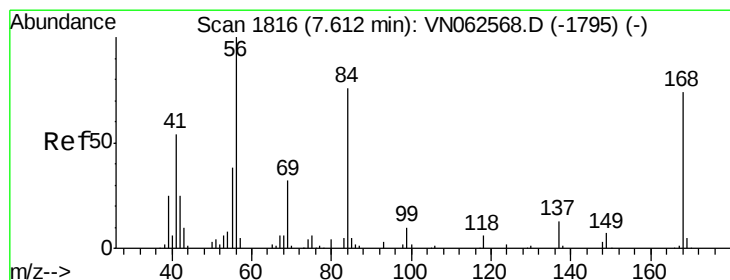
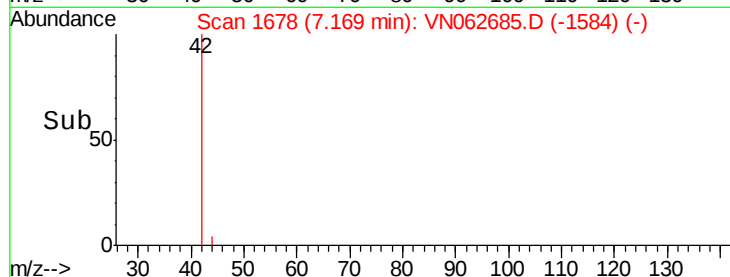
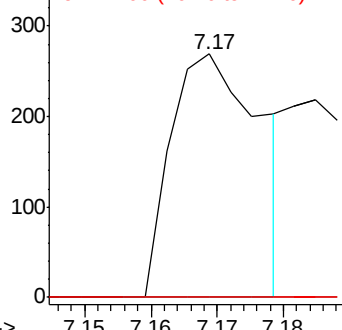
71 0.0 29.1 43.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

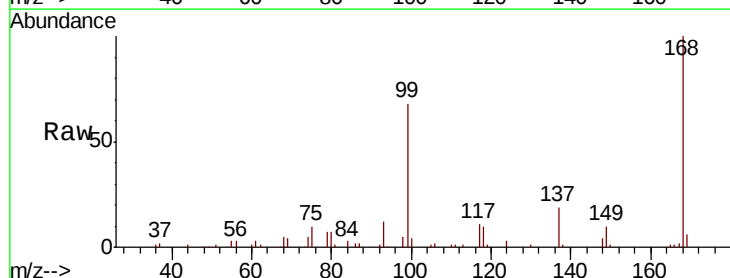
Tgt Ion: 56 Resp: 3449

Ion Ratio Lower Upper

56 100

69 127.7 25.3 37.9#

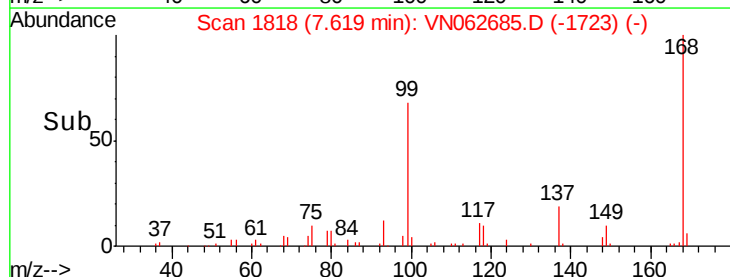
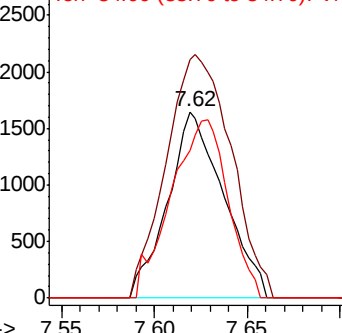
84 79.3 61.0 91.4

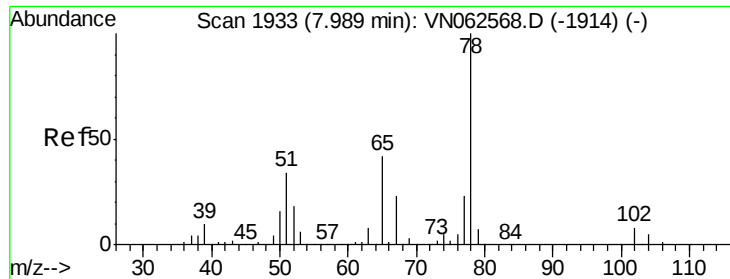


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 57.168 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

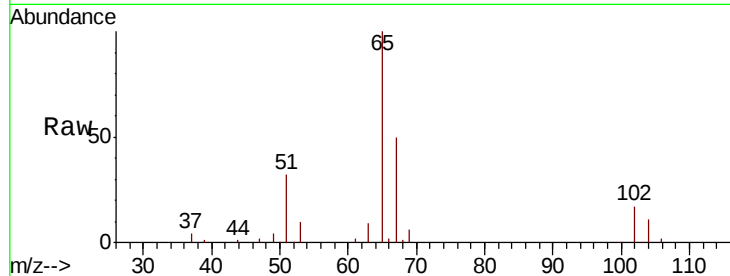
PB130640ZHE#08

Tot Ion: 65 Resp: 113410

Ion Ratio Lower Upper

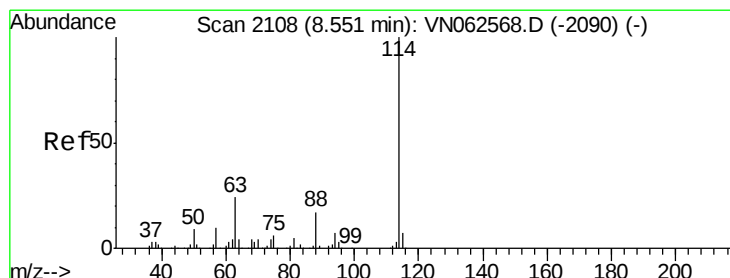
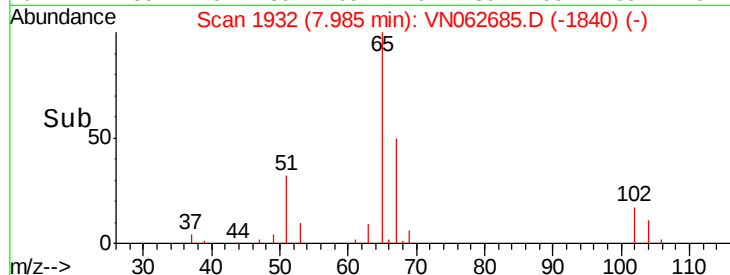
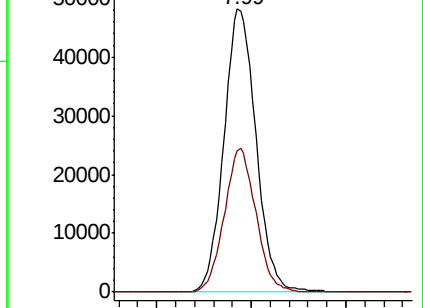
65 100

67 50.0 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# 2108

Delta R.T. 0.00 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

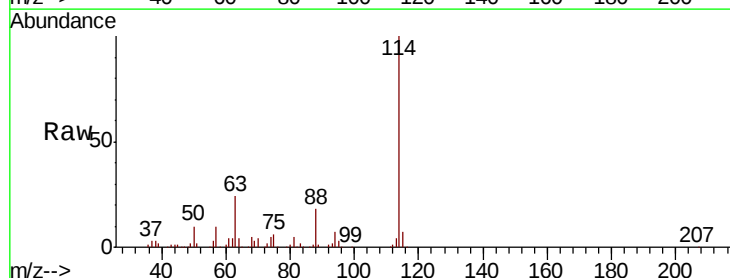
Tgt Ion: 114 Resp: 239074

Ion Ratio Lower Upper

114 100

63 23.9 0.0 48.4

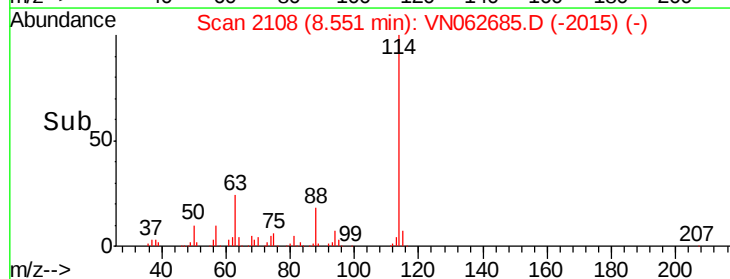
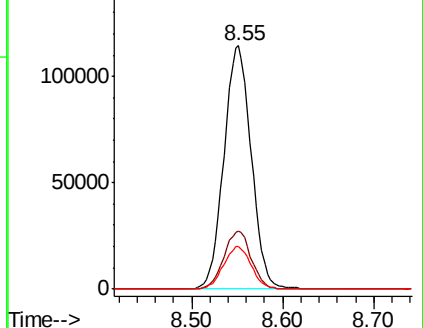
88 17.6 0.0 33.8

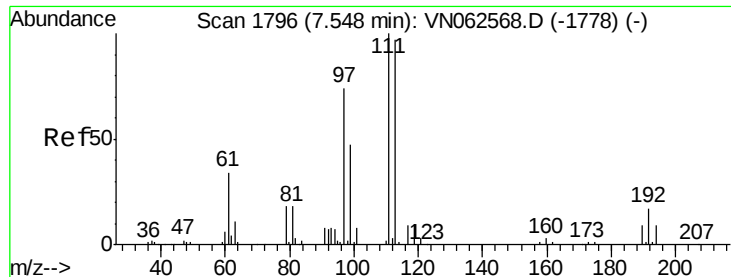


Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

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

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

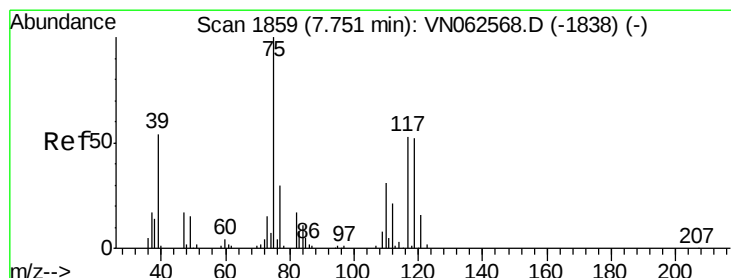
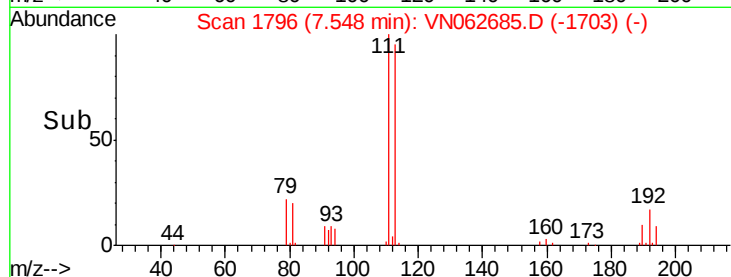
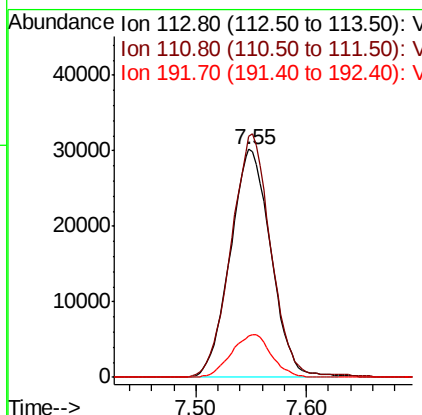
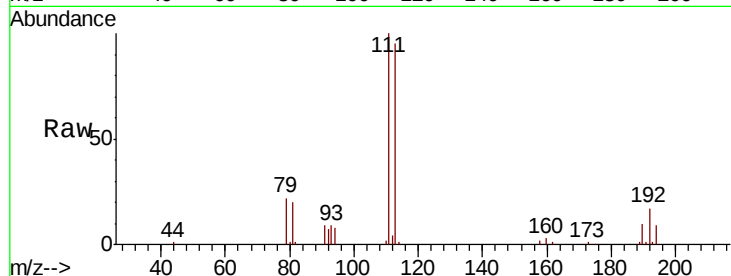




#35
 Dibromofluoromethane
 Concen: 49.165 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062685.D
 Acq: 31 Jul 2020 15:06

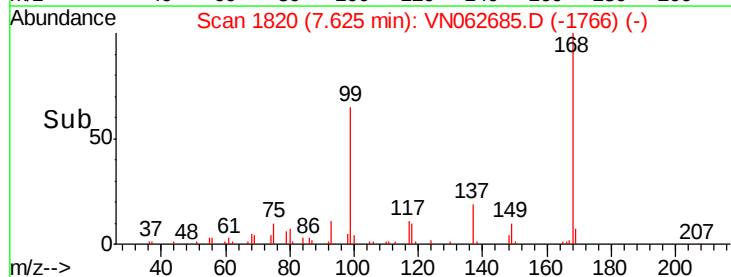
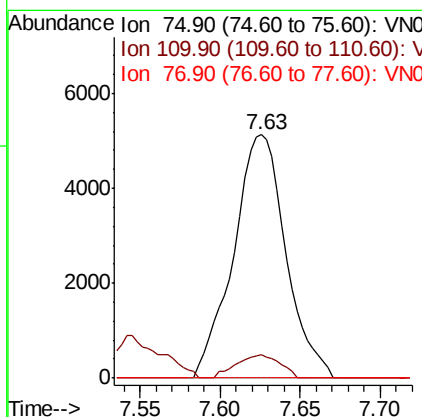
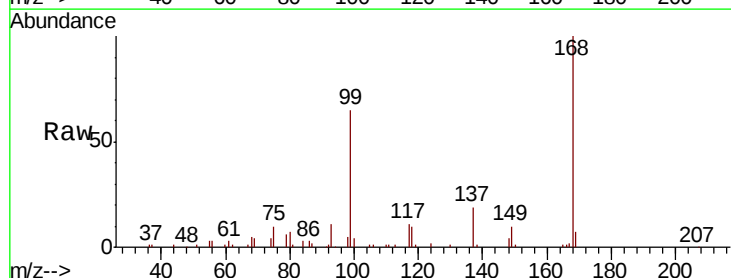
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#08

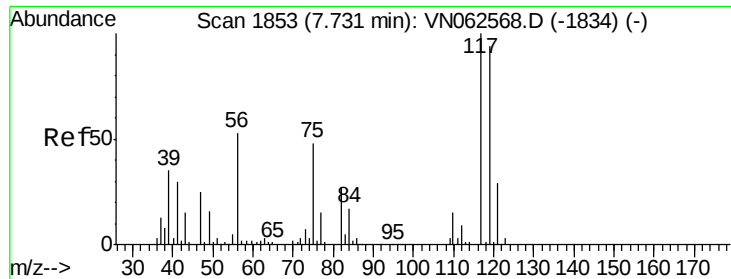
Tot Ion:113 Resp: 77207
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.7 124.1
 192 18.4 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.511 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062685.D
 Acq: 31 Jul 2020 15:06

Tgt Ion: 75 Resp: 11496
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.0 48.0#
 77 0.0 24.6 36.8#

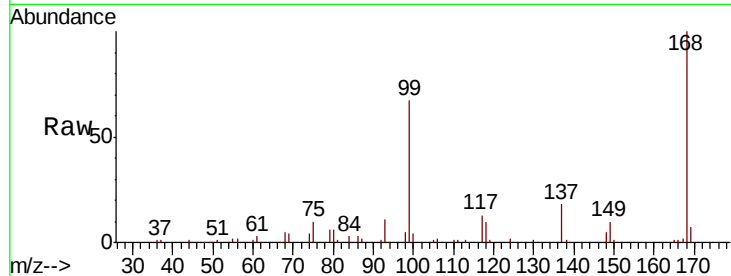




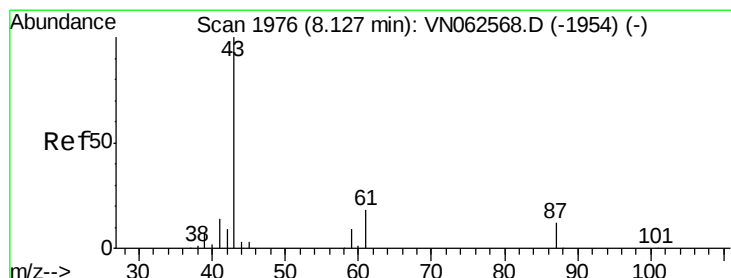
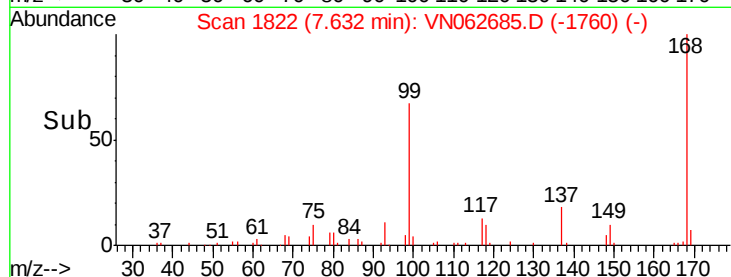
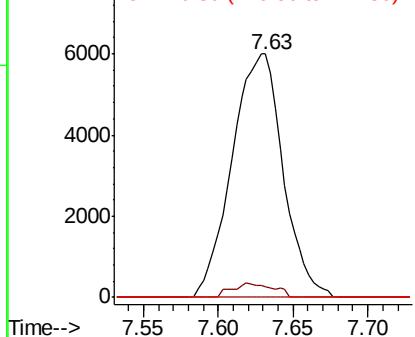
#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.10 min
Lab File: VN062685.D
Acq: 31 Jul 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#08

Tot Ion:117 Resp: 14232
Ion Ratio Lower Upper
117 100
119 4.3 74.8 112.2#
121 0.0 23.0 34.6#

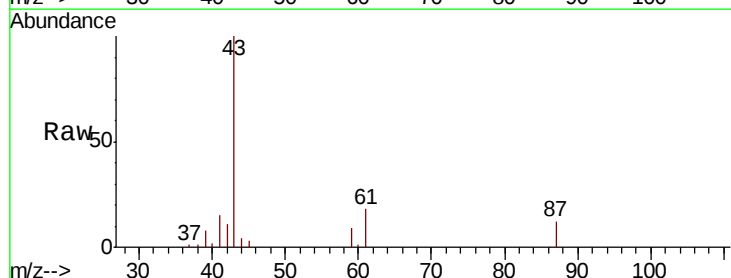


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

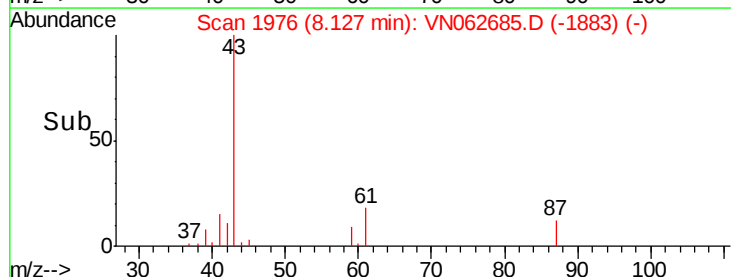
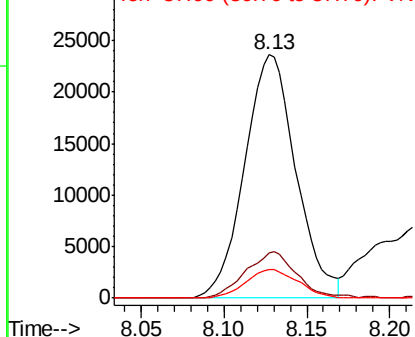


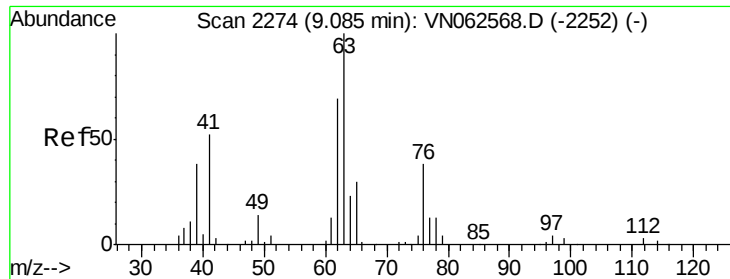
#43
Isopropyl Acetate
Concen: 11.506 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062685.D
Acq: 31 Jul 2020 15:06

Tgt Ion: 43 Resp: 50951
Ion Ratio Lower Upper
43 100
61 19.0 20.8 31.2#
87 11.9 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.502 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

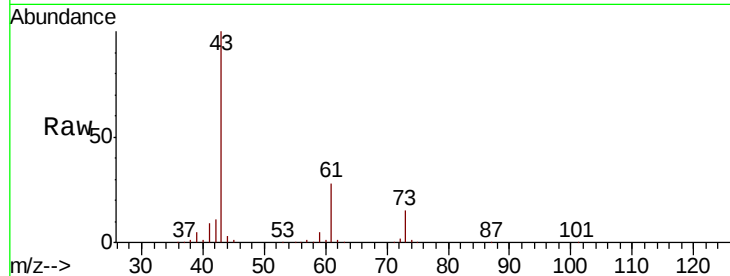
PB130640ZHE#08

Tot Ion: 63 Resp: 1088

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

9.24

800

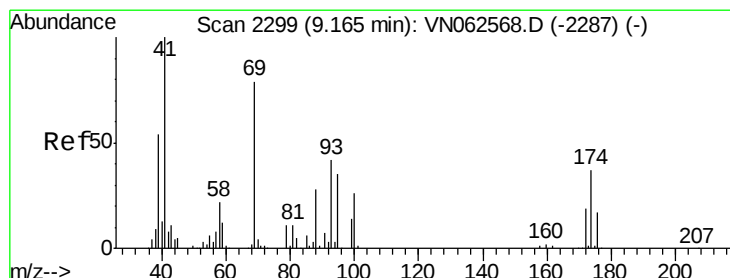
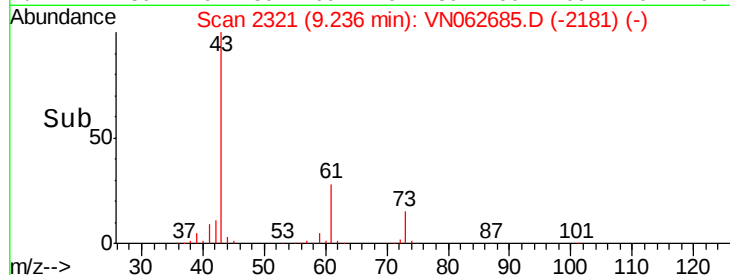
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.612 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.01 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

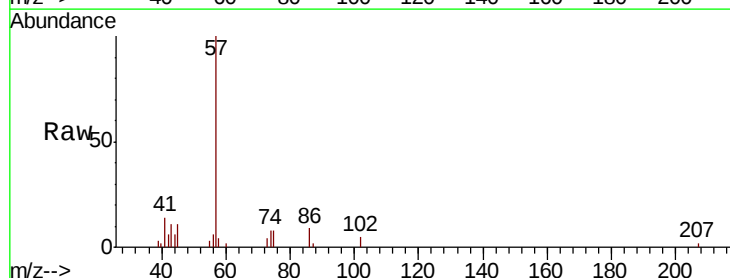
Tgt Ion: 41 Resp: 3393

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

50000

40000

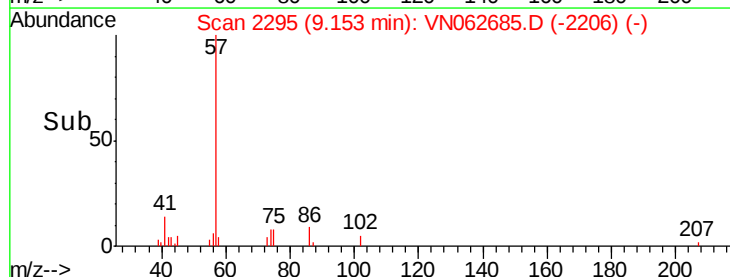
30000

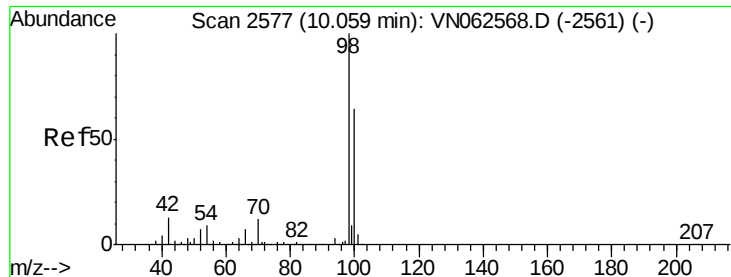
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 50.515 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

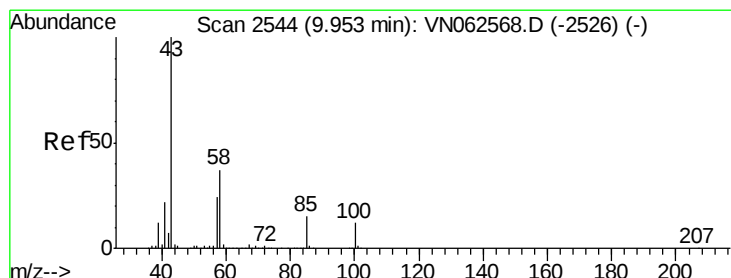
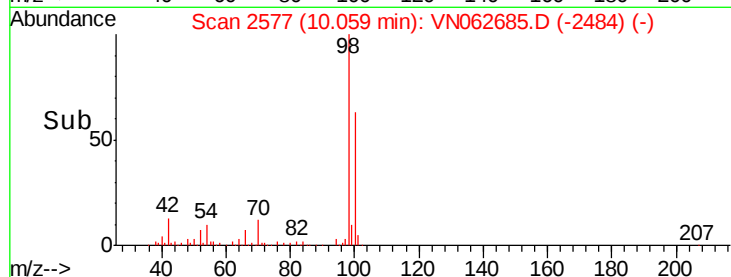
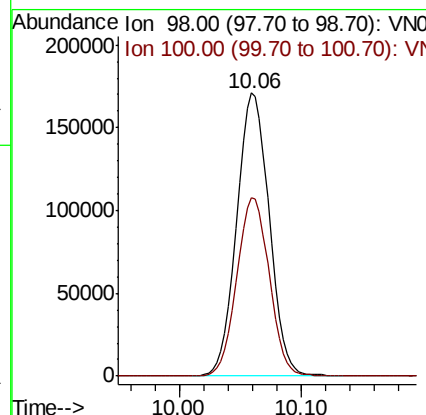
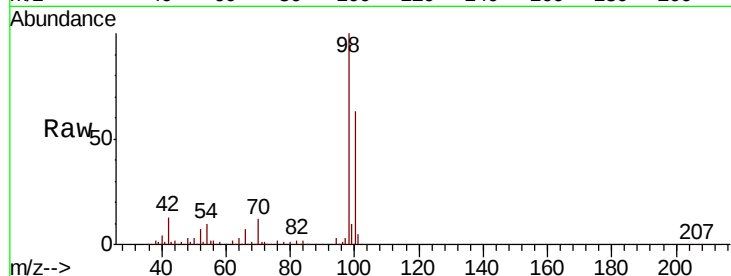
PB130640ZHE#08

Tot Ion: 98 Resp: 316511

Ion Ratio Lower Upper

98 100

100 62.9 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 2.043 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062685.D

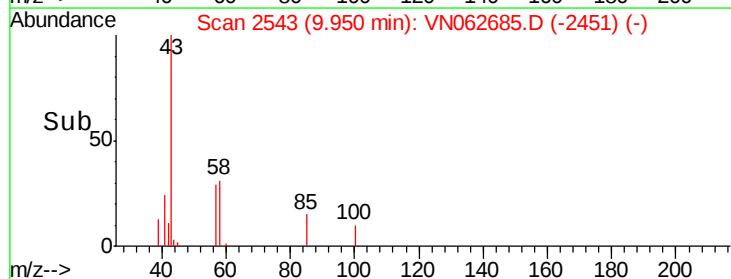
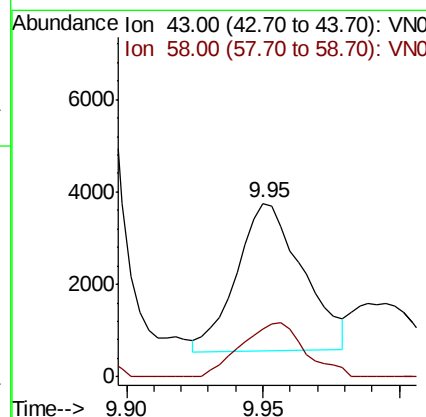
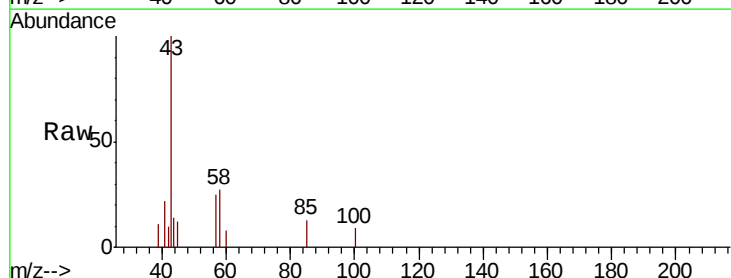
Acq: 31 Jul 2020 15:06

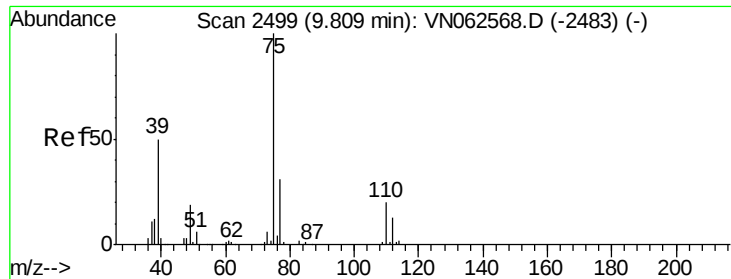
Tgt Ion: 43 Resp: 5414

Ion Ratio Lower Upper

43 100

58 35.3 29.8 44.6





#54

cis-1,3-Dichloropropene

Concen: 6.844 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#08

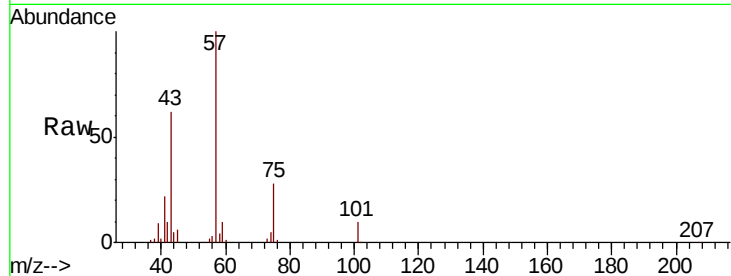
Tot Ion: 75 Resp: 22173

Ion Ratio Lower Upper

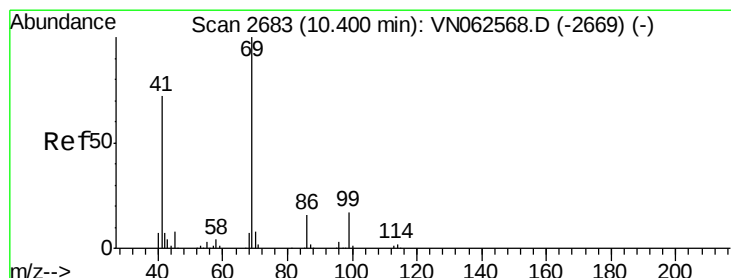
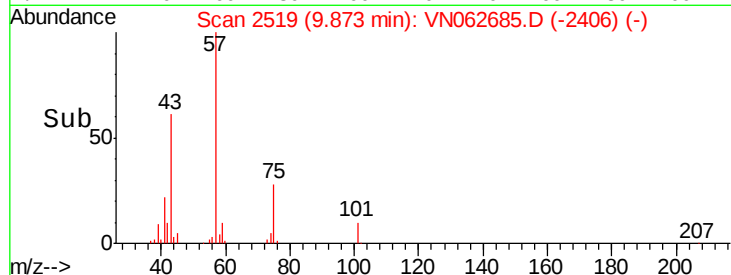
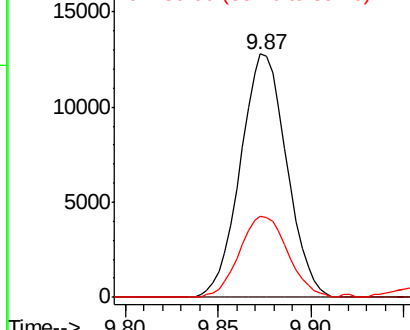
75 100

77 0.0 25.0 37.6#

39 33.2 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: 2.173 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

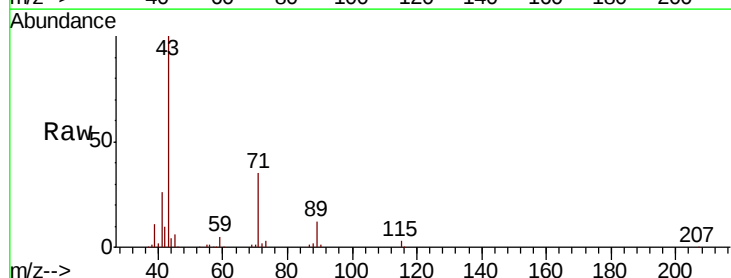
Tgt Ion: 69 Resp: 1306

Ion Ratio Lower Upper

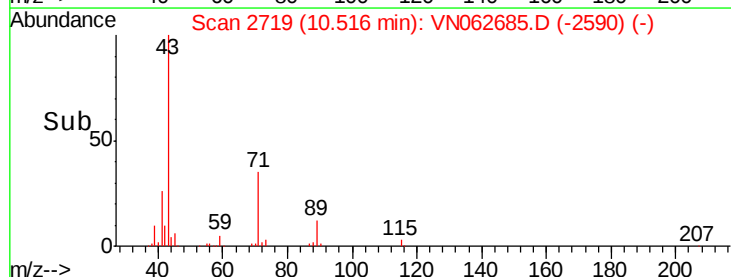
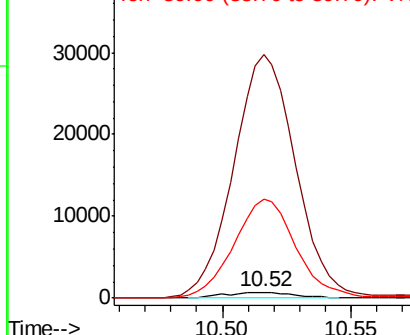
69 100

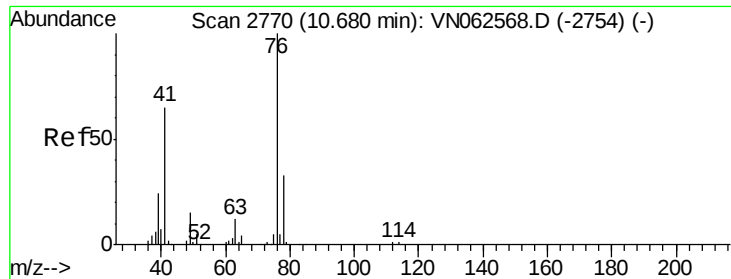
41 3851.7 57.2 85.8#

39 1564.2 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

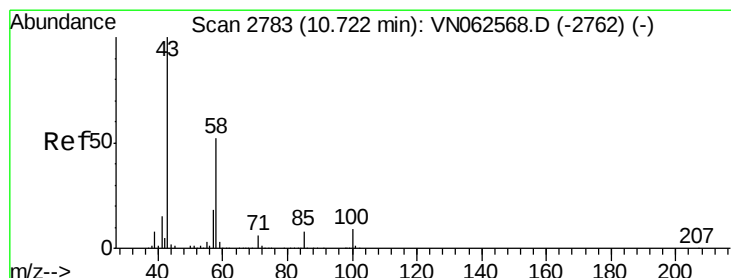
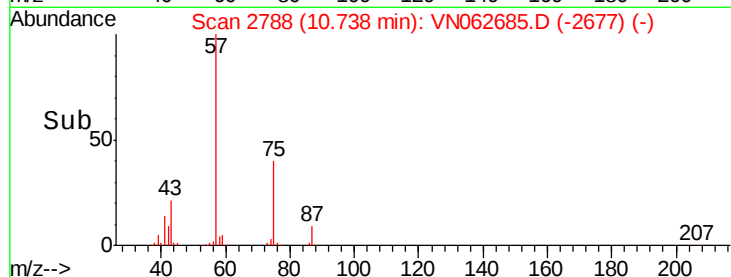
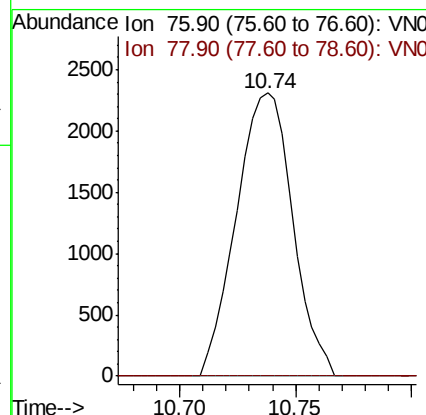
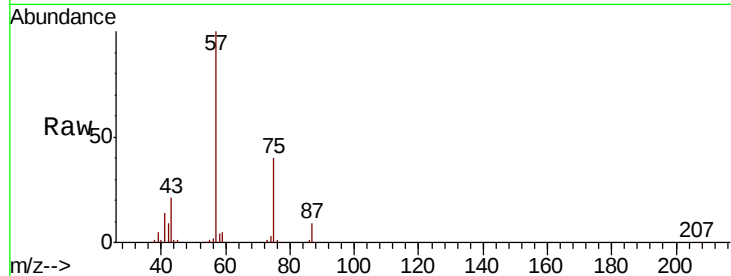




#57
 1,3-Dichloropropane
 Concen: 1.228 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062685.D
 Acq: 31 Jul 2020 15:06

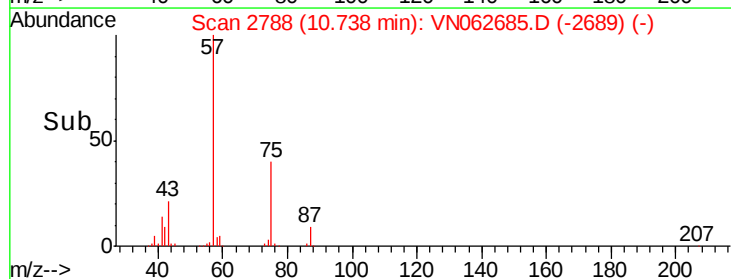
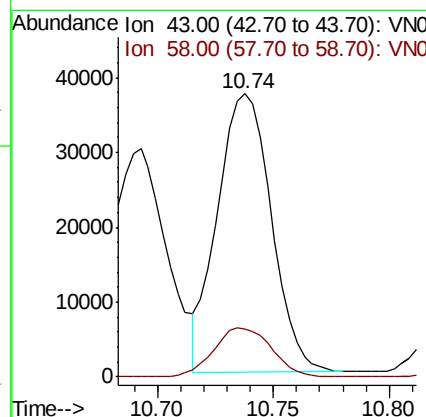
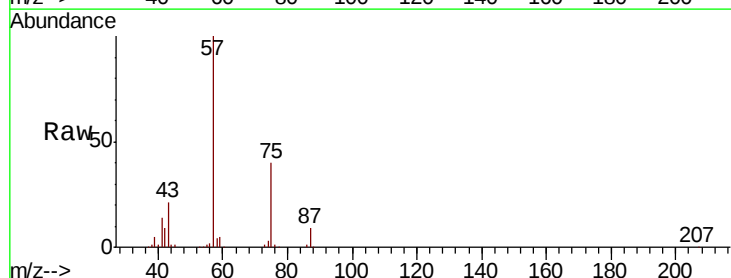
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#08

Tot Ion: 76 Resp: 3910
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 31.962 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062685.D
 Acq: 31 Jul 2020 15:06

Tgt Ion: 43 Resp: 60142
 Ion Ratio Lower Upper
 43 100
 58 18.9 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 50.644 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#08

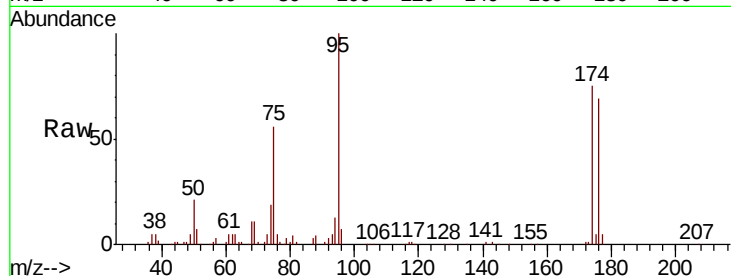
Tot Ion: 95 Resp: 116025

Ion Ratio Lower Upper

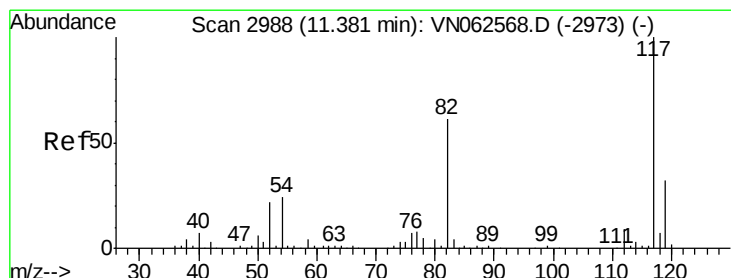
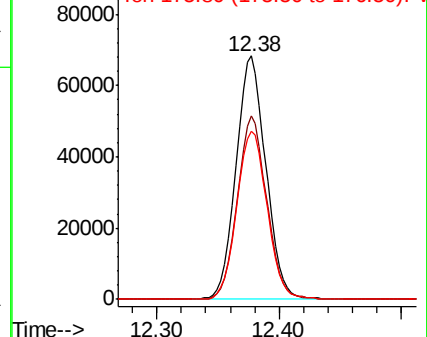
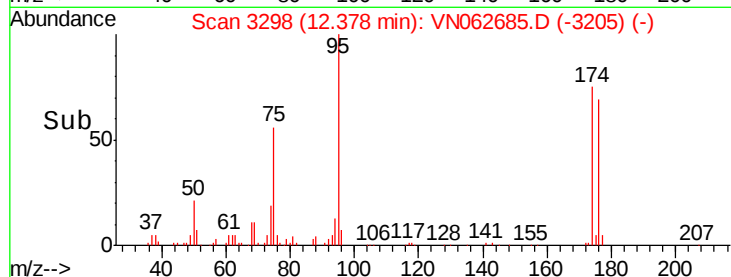
95 100

174 73.9 0.0 144.6

176 70.2 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062685.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

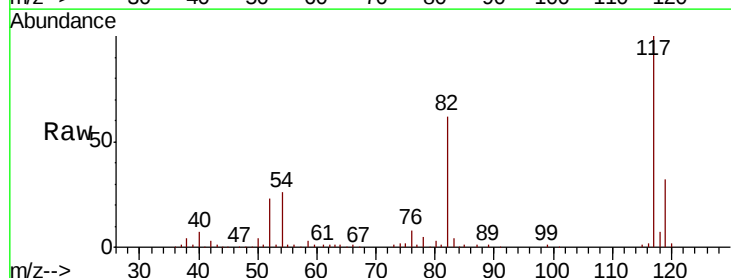
Tgt Ion: 117 Resp: 242457

Ion Ratio Lower Upper

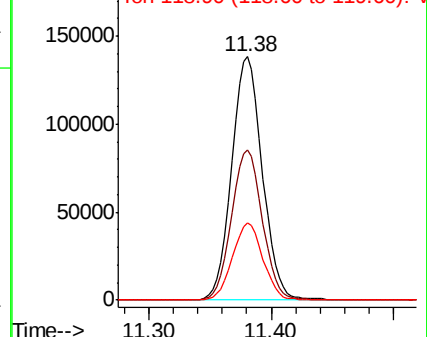
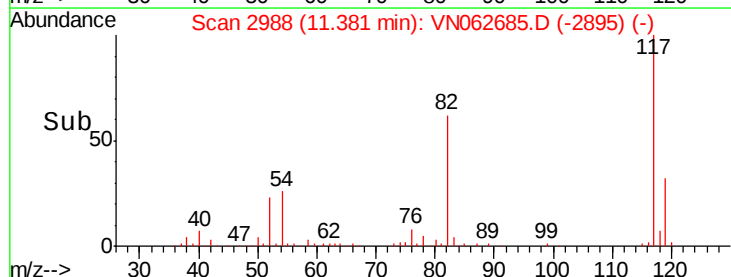
117 100

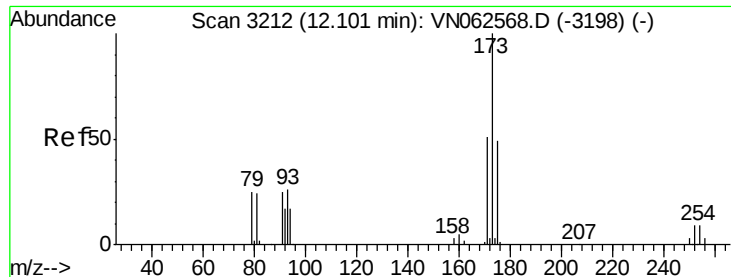
82 61.6 49.0 73.6

119 31.6 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN062685.D (-2895) (-)





#71

Bromoform

Concen: 0.215 ug/l

RT: 12.37 min Scan# 3295

Delta R.T. 0.27 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#08

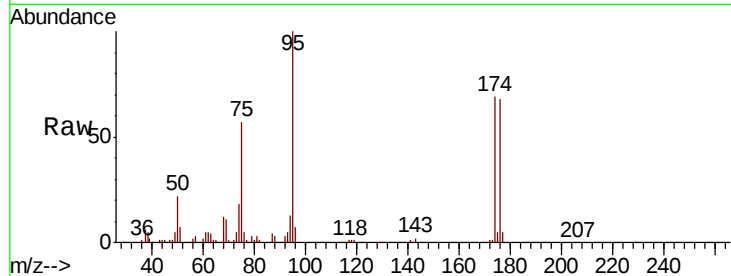
Tot Ion:173 Resp: 308

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

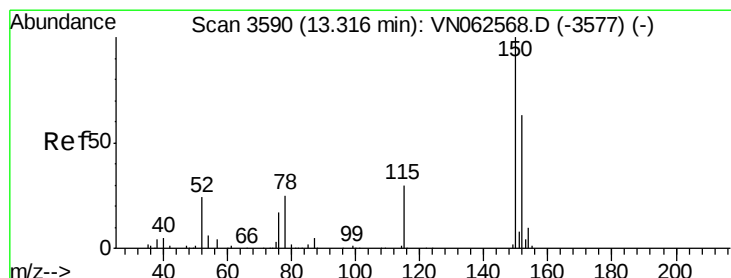
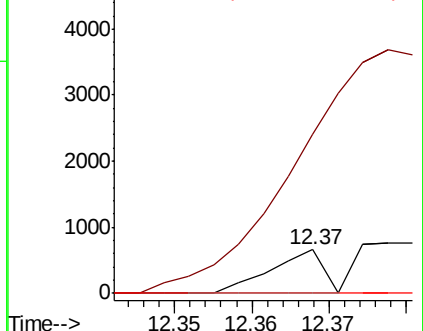
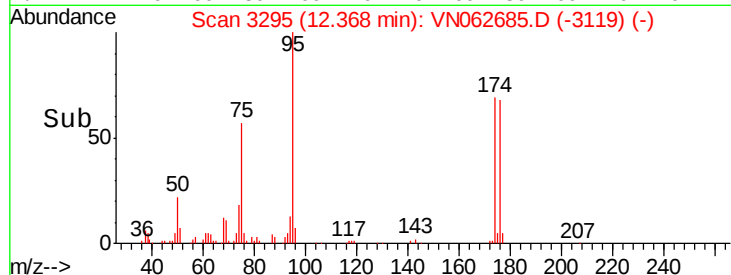
254 0.0 0.0 0.0



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: VN062685.D

Acq: 31 Jul 2020 15:06

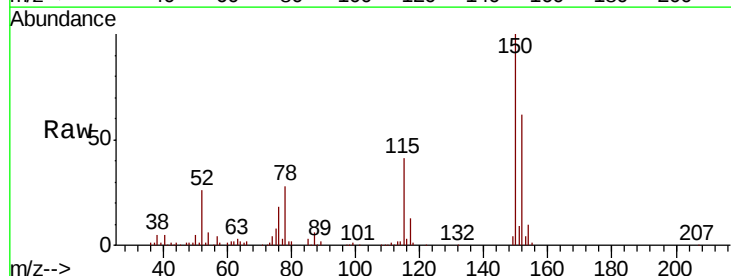
Tgt Ion:152 Resp: 88416

Ion Ratio Lower Upper

152 100

115 66.0 31.8 95.4

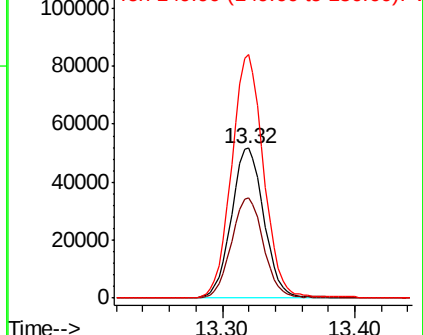
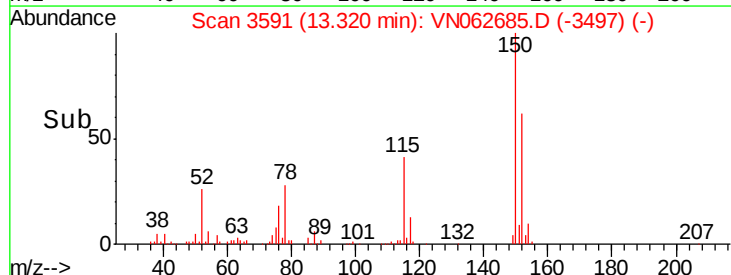
150 158.9 0.0 351.4

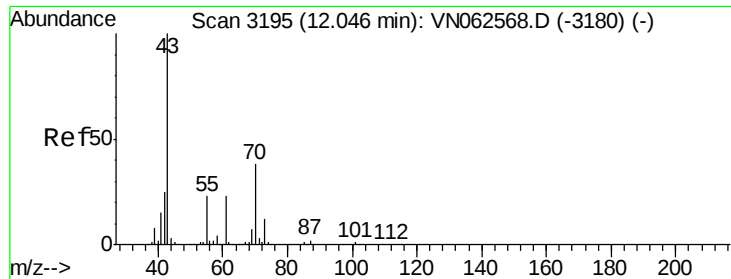


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.508 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062685.D

Acq: 31 Jul 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#08

Tot Ion: 43 Resp: 1587

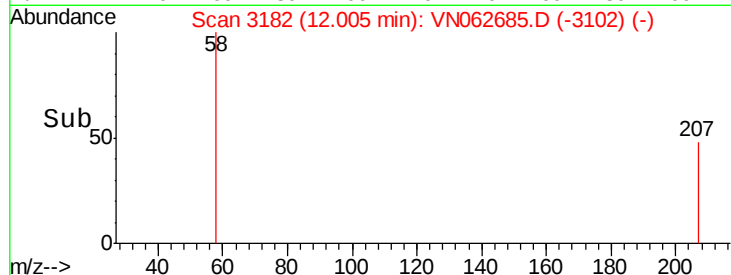
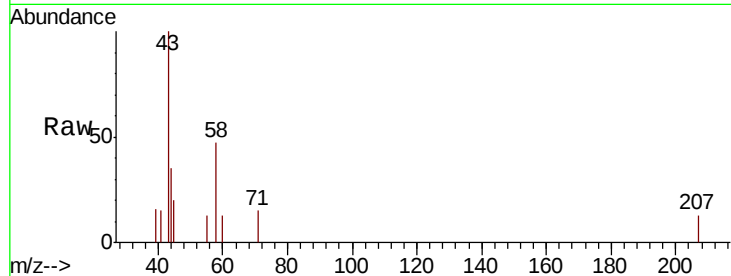
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 3.9 19.0 28.6#

61 0.0 18.4 27.6#

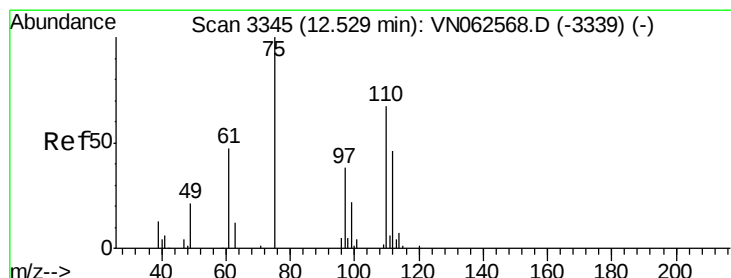
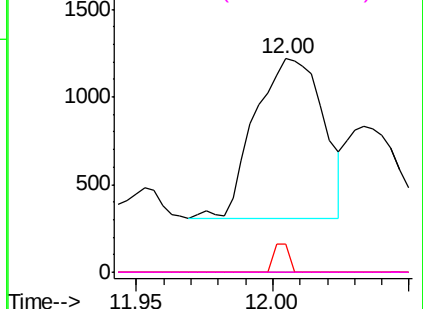


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.289 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062685.D

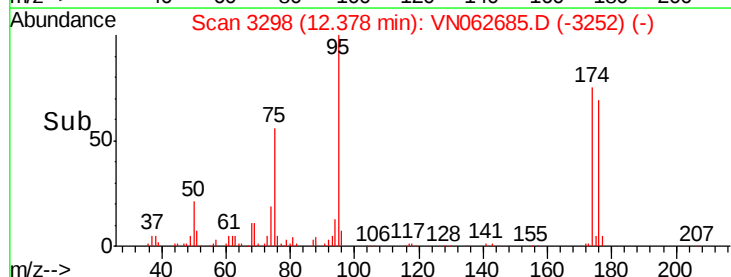
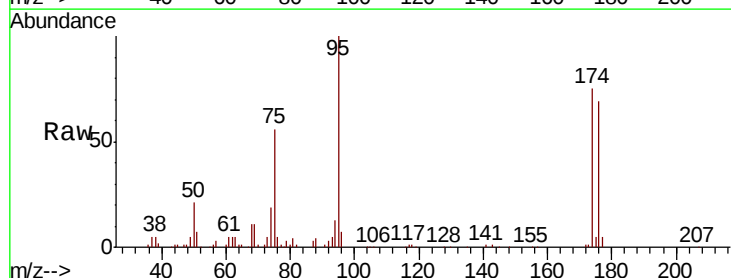
Acq: 31 Jul 2020 15:06

Tgt Ion: 75 Resp: 63665

Ion Ratio Lower Upper

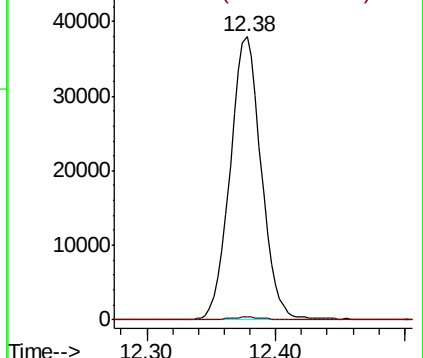
75 100

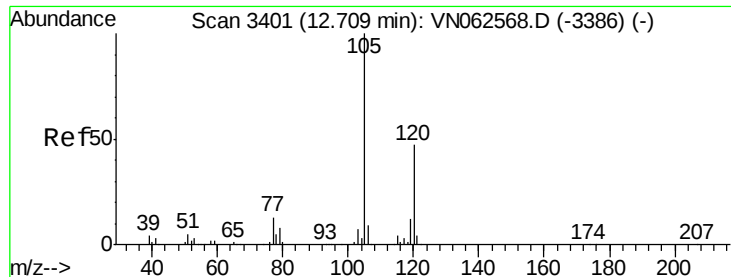
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

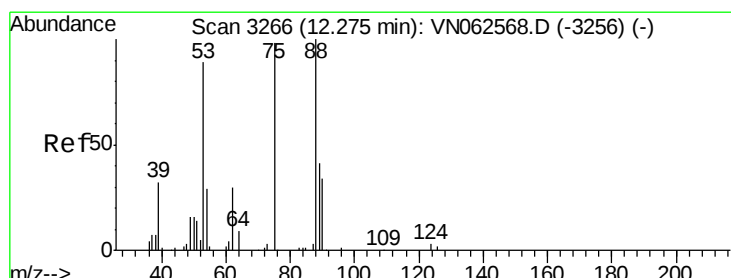
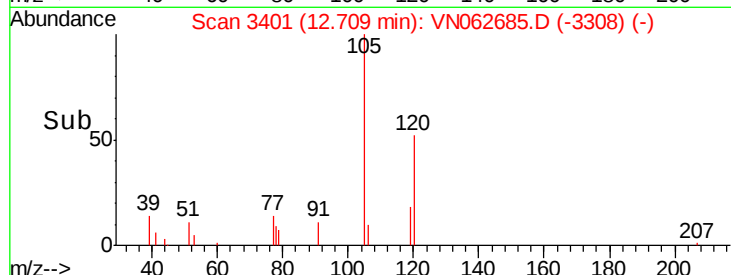
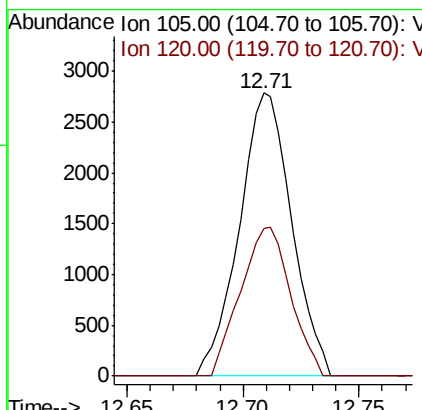
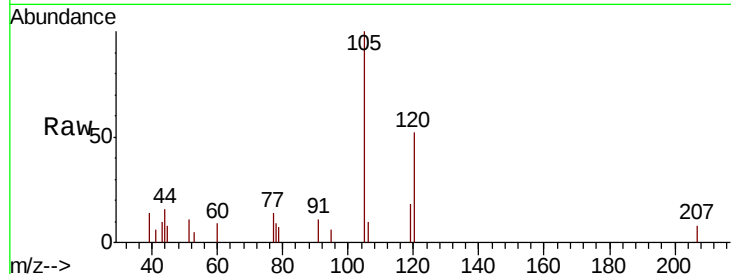




#80
 1,3,5-Trimethylbenzene
 Concen: 0.753 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062685.D
 Acq: 31 Jul 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#08

Tot Ion:105 Resp: 4367
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.751 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062685.D
 Acq: 31 Jul 2020 15:06

Tgt Ion: 75 Resp: 63665
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

