

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062607.D
 Acq On : 27 Jul 2020 18:45
 Operator : JC/MD
 Sample : PB130485ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#04

Quant Time: Jul 28 06:25:26 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	139515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	250454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107427	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	117098	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
35) Dibromofluoromethane	7.55	113	82623	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.06	98	325428	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.38	95	127112	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	

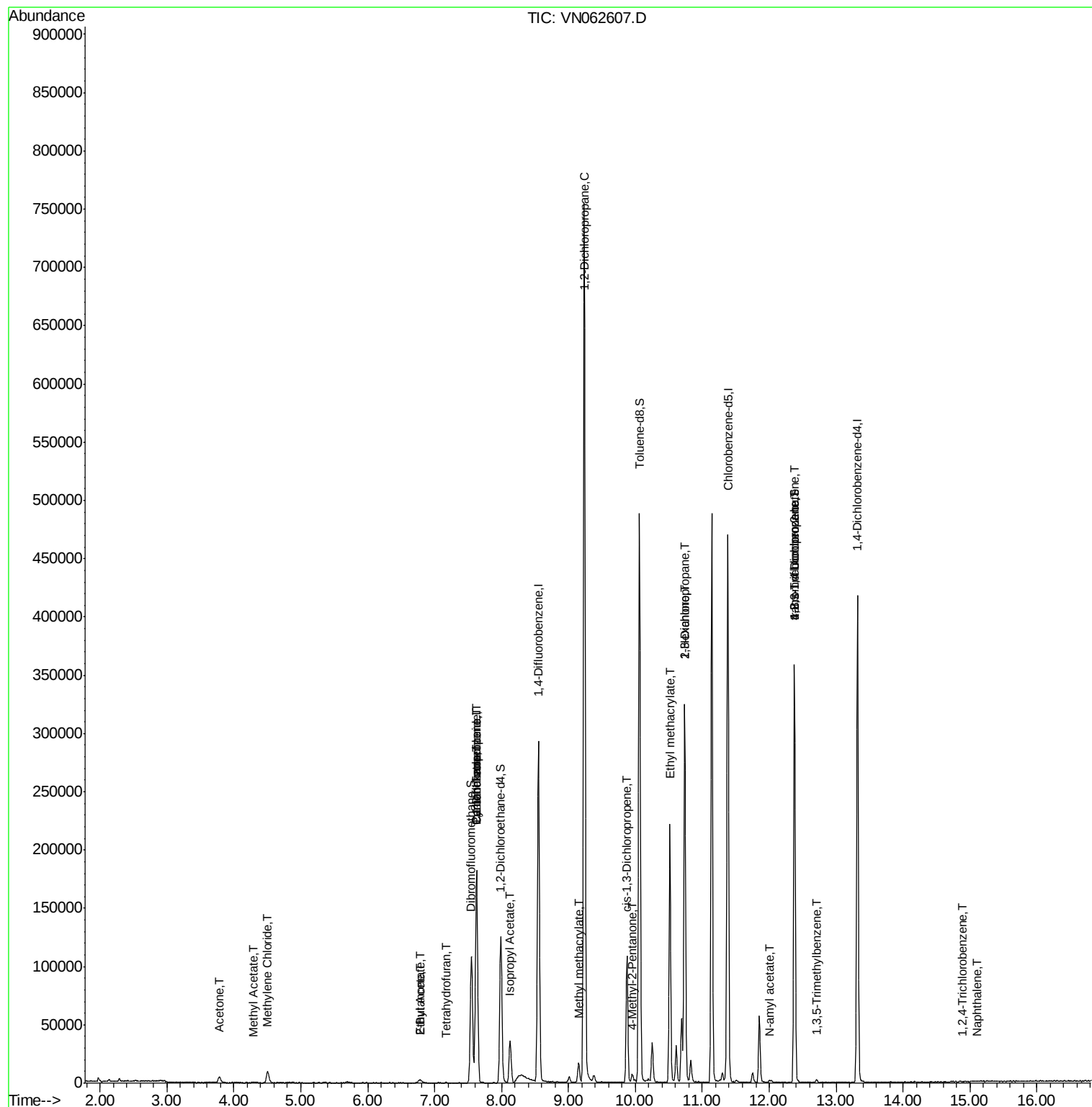
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9522	11.675	ug/l	100
18) Methyl Acetate	4.28	43	888	0.430	ug/l #	56
20) Methylene Chloride	4.50	84	6874	3.514	ug/l	94
25) 2-Butanone	6.80	43	2085	1.679	ug/l #	52
29) Tetrahydrofuran	7.17	42	263	0.313	ug/l #	38
31) Cyclohexane	7.63	56	3045	0.954	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12310	4.611	ug/l #	52
37) Ethyl Acetate	6.80	43	2085	0.725	ug/l #	69
38) Carbon Tetrachloride	7.63	117	15228	5.934	ug/l #	17
43) Isopropyl Acetate	8.13	43	43571	9.392	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	962	0.424	ug/l #	44
48) Methyl methacrylate	9.15	41	2535	1.150	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4983	1.795	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	18750	5.524	ug/l #	63
56) Ethyl methacrylate	10.52	69	756	1.992	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3078	0.923	ug/l #	42
59) 2-Hexanone	10.74	43	49240	25.626	ug/l #	52
74) N-amyl acetate	12.01	43	1448	0.382	ug/l #	45
76) 1,2,3-Trichloropropane	12.37	75	70822	25.900	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1943	0.276	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.37	75	70822	72.101	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.89	180	61	3.136	ug/l #	12
95) Naphthalene	15.10	128	229	3.806	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072720\
Data File : VN062607.D
Acq On : 27 Jul 2020 18:45
Operator : JC/MD
Sample : PB130485ZHE#04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

Quant Time: Jul 28 06:25:26 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

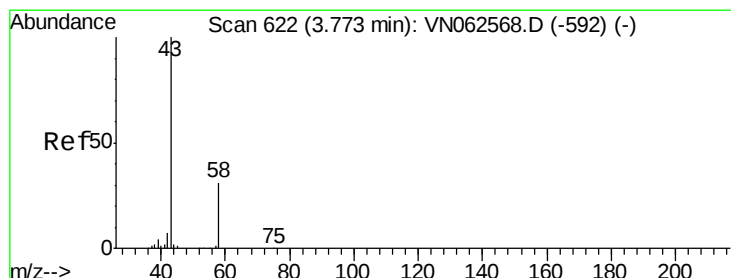
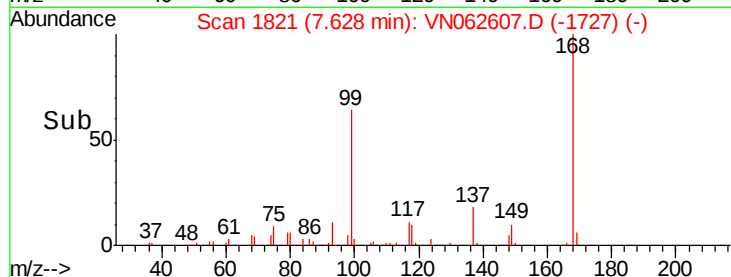
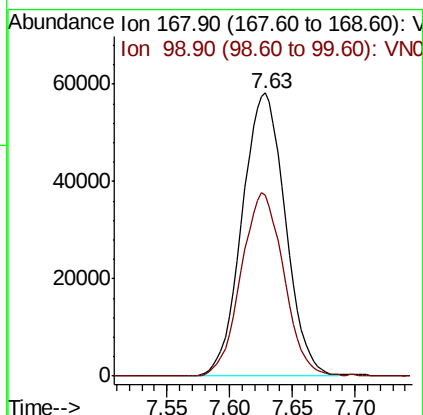
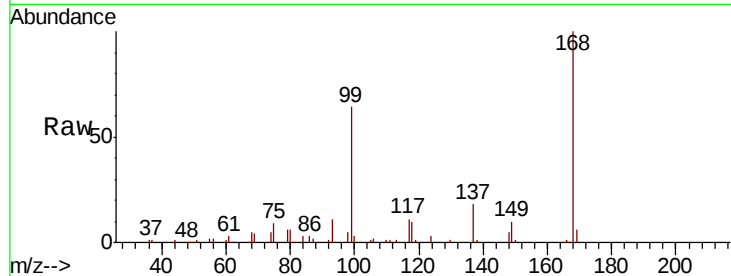




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

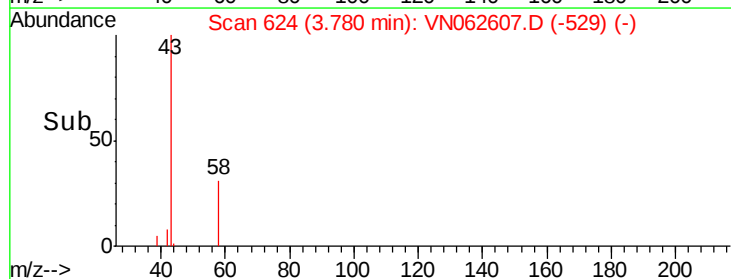
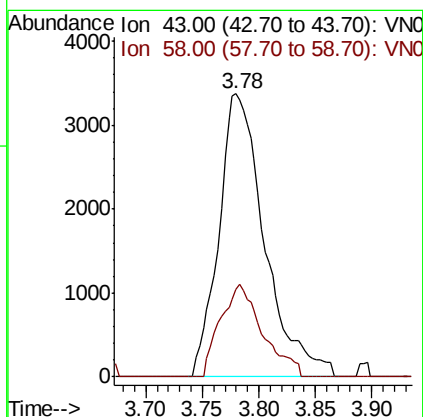
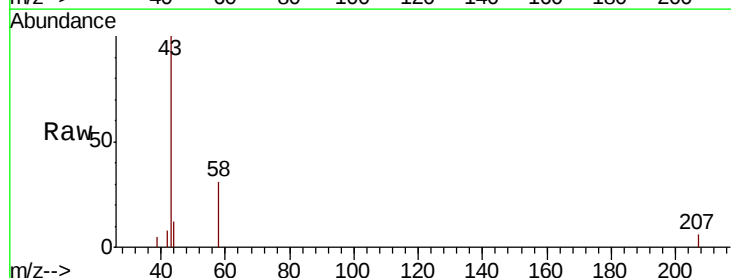
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

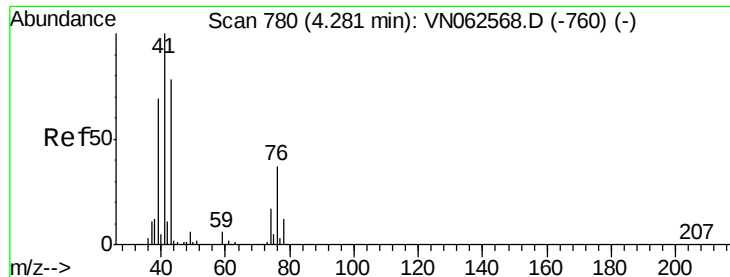
Tot Ion:168 Resp: 139515
Ion Ratio Lower Upper
168 100
99 63.8 48.4 72.6



#16
Acetone
Concen: 11.675 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Tgt Ion: 43 Resp: 9522
Ion Ratio Lower Upper
43 100
58 31.1 24.6 37.0

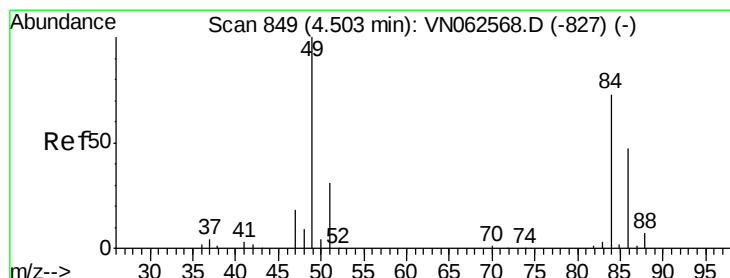
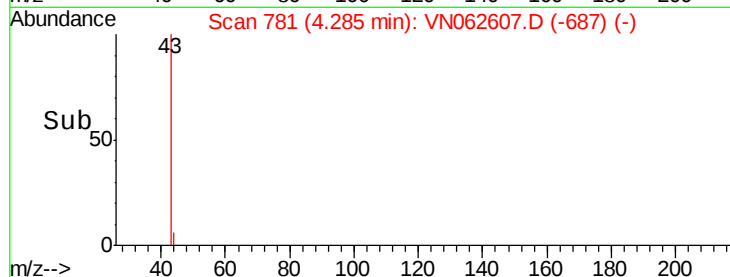
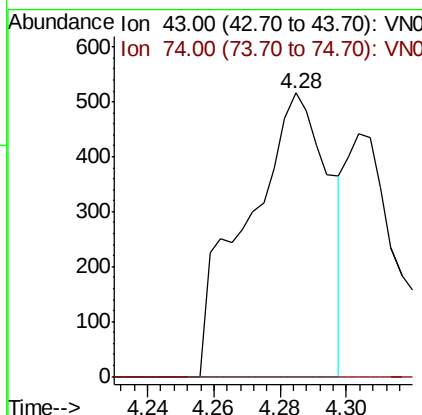
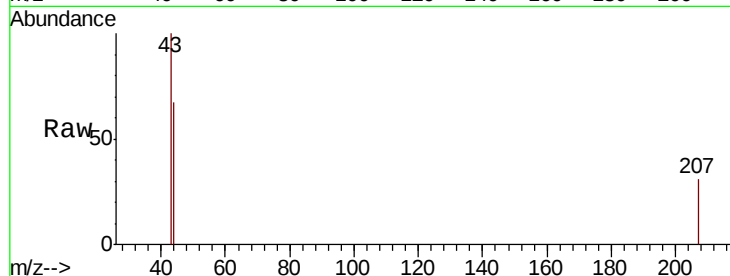




#18
Methyl Acetate
Concen: 0.430 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

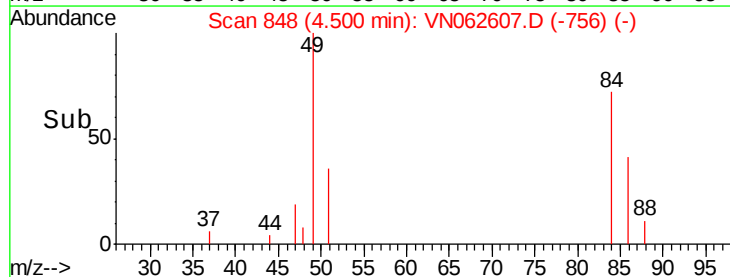
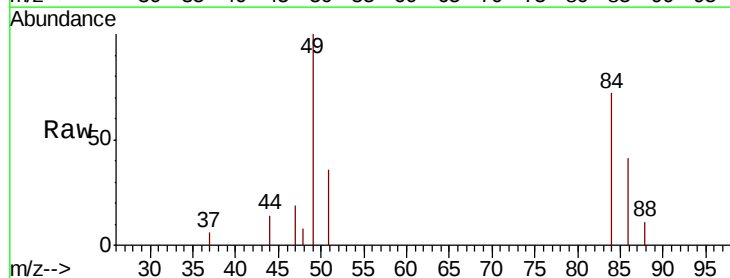
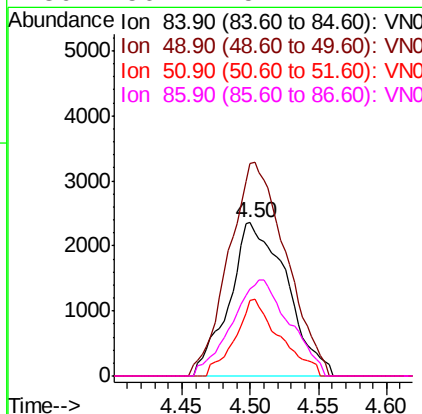
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

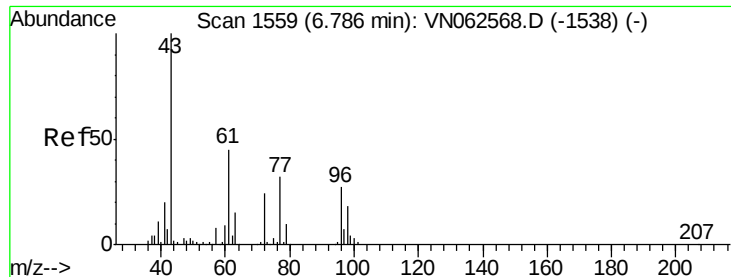
Tot Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.514 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Tgt Ion: 84 Resp: 6874
Ion Ratio Lower Upper
84 100
49 138.8 109.4 164.0
51 49.3 33.6 50.4
86 56.4 51.4 77.2

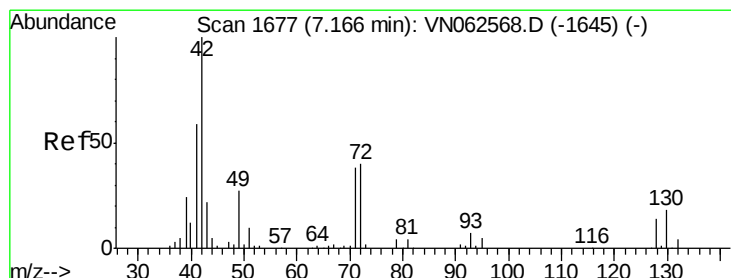
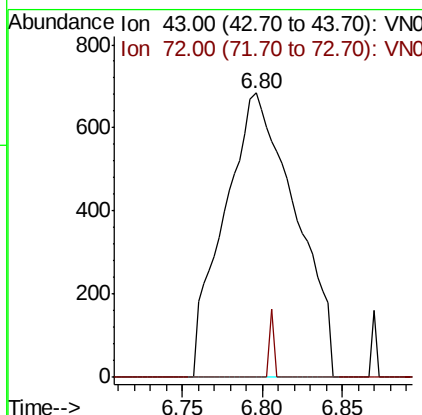
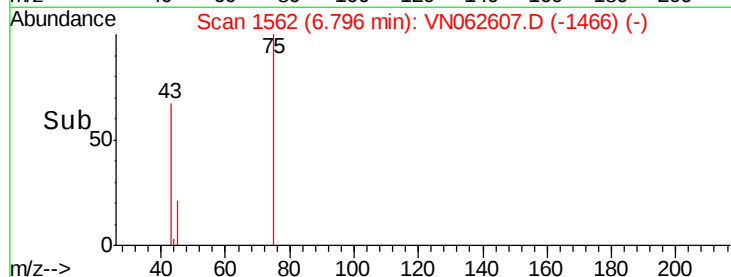
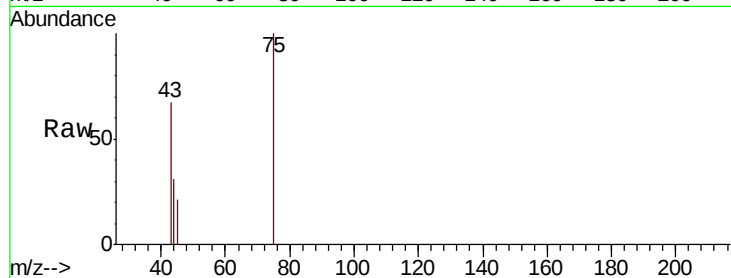




#25
2-Butanone
Concen: 1.679 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

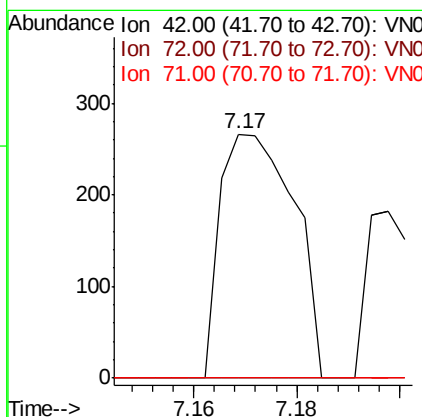
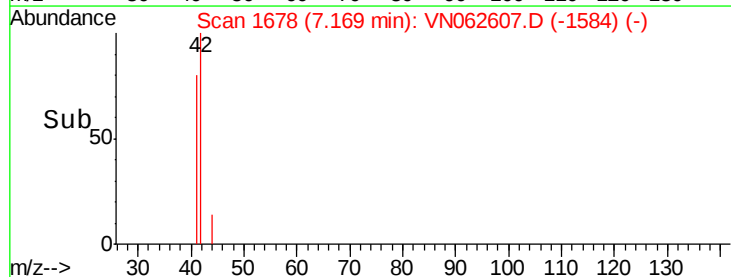
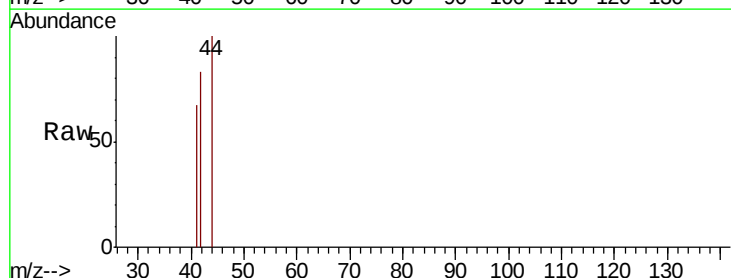
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

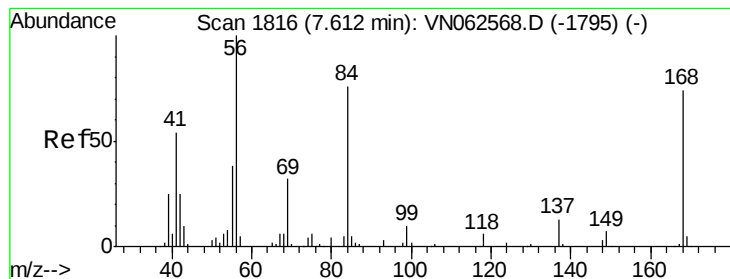
Tot Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#29
Tetrahydrofuran
Concen: 0.313 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 29.1 43.7#

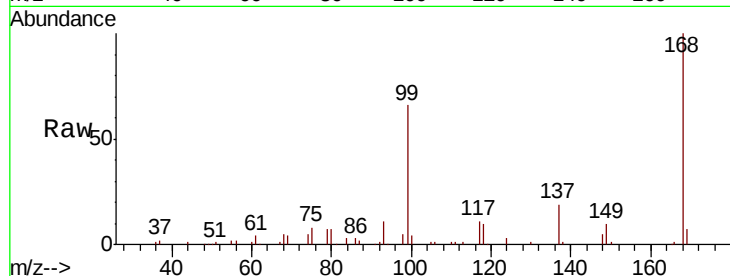




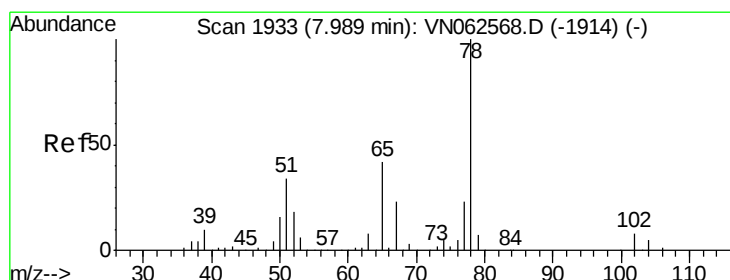
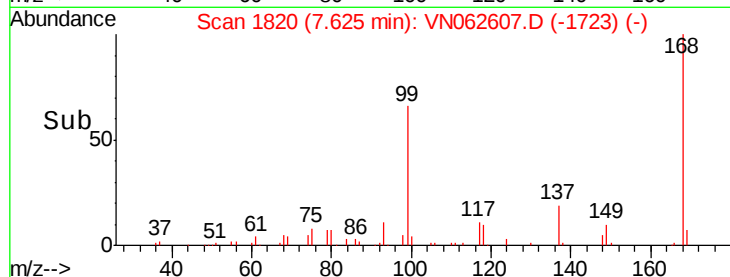
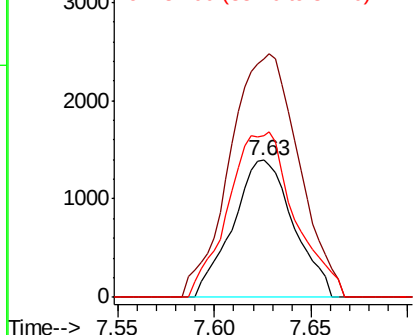
#31
Cyclohexane
Concen: 0.954 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

Tot Ion: 56 Resp: 3045
Ion Ratio Lower Upper
56 100
69 160.6 25.3 37.9#
84 117.7 61.0 91.4#

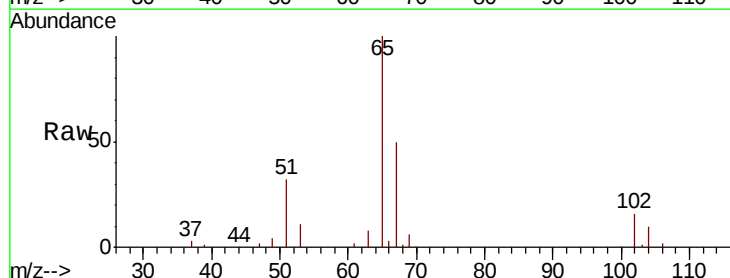


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

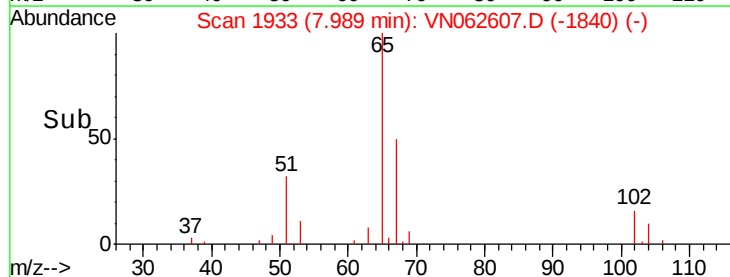
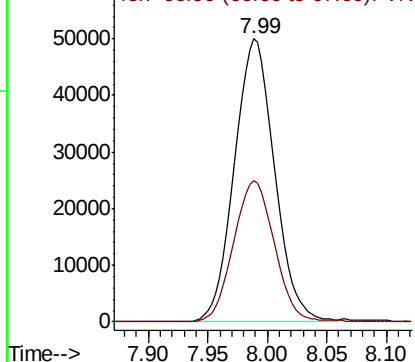


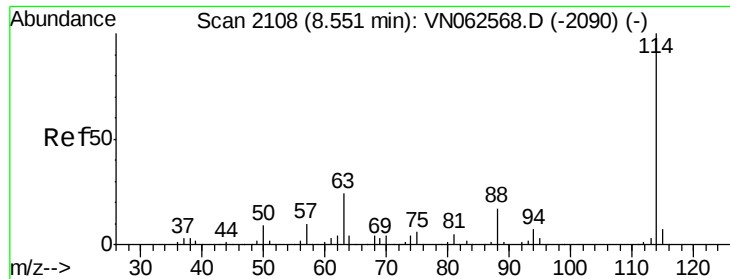
#33
1,2-Dichloroethane-d4
Concen: 54.029 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Tgt Ion: 65 Resp: 117098
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

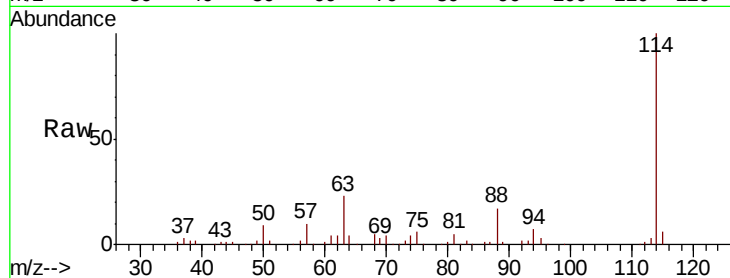




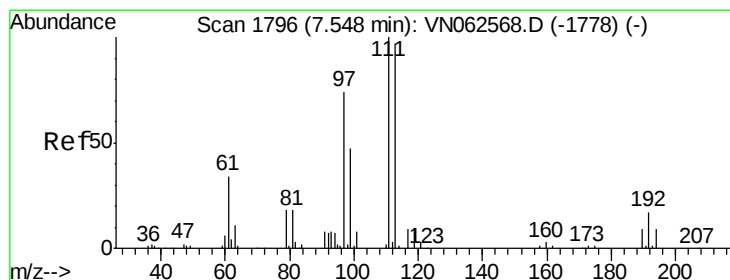
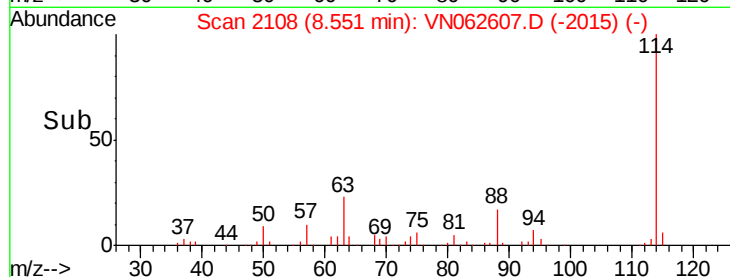
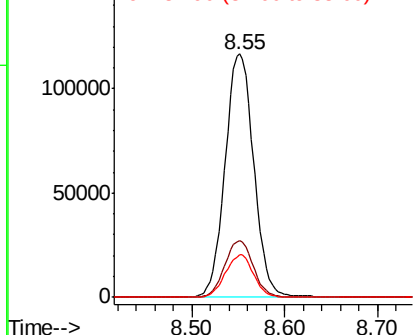
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

Tot Ion:114 Resp: 250454
Ion Ratio Lower Upper
114 100
63 23.3 0.0 48.4
88 17.4 0.0 33.8

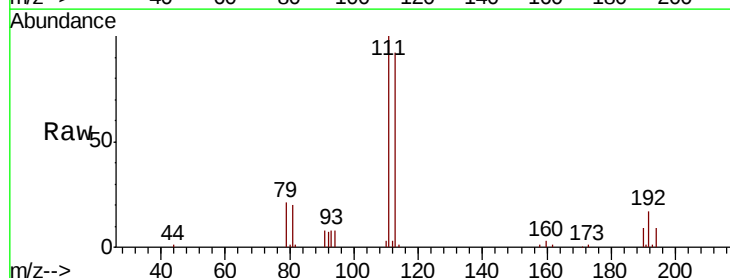


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

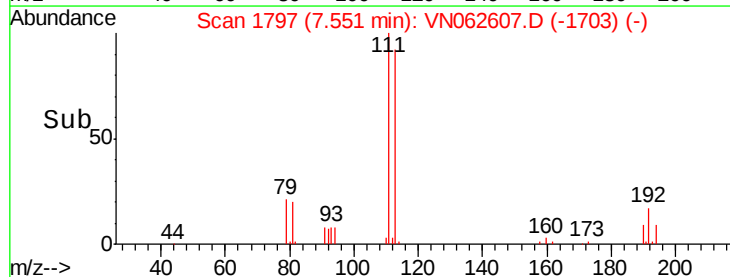
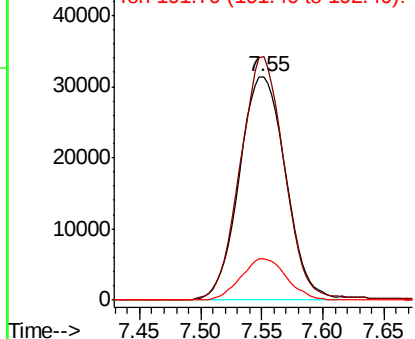


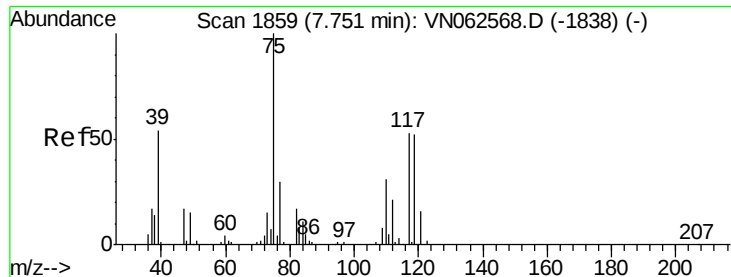
#35
Dibromofluoromethane
Concen: 50.223 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Tgt Ion:113 Resp: 82623
Ion Ratio Lower Upper
113 100
111 103.8 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

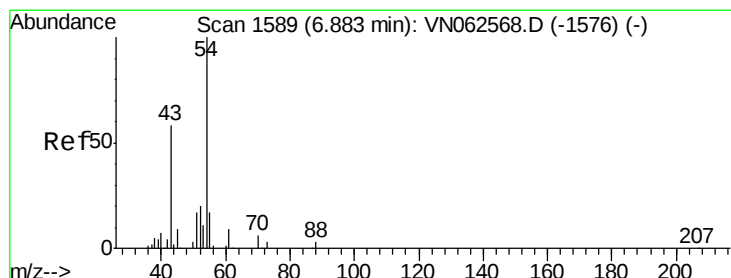
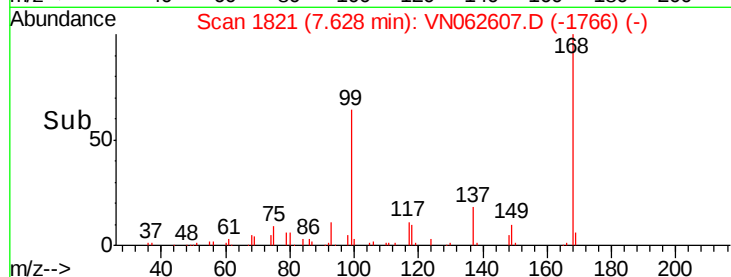
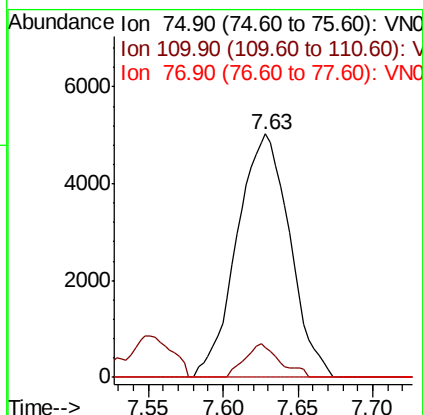
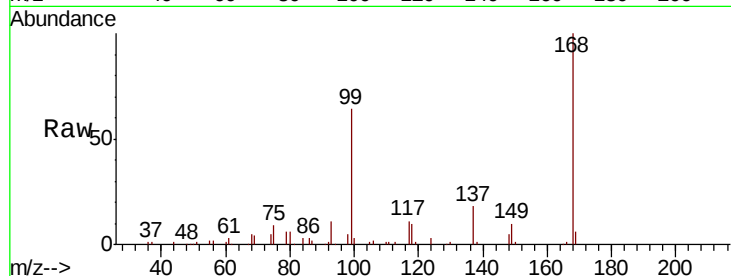




#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

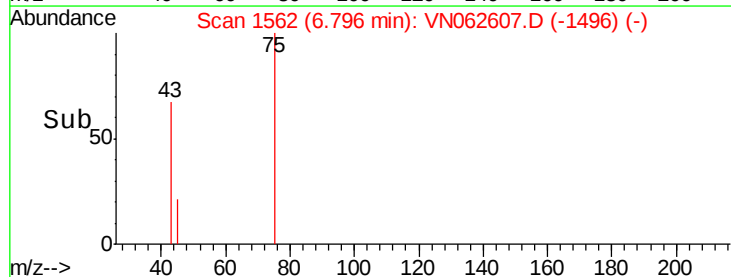
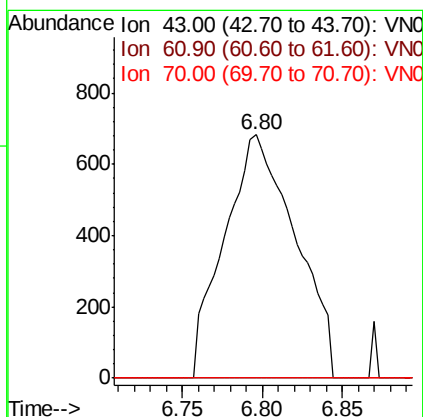
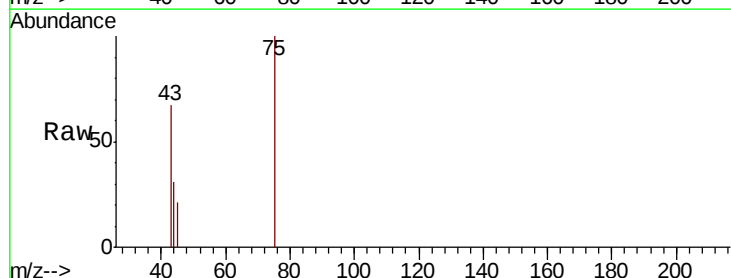
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#04

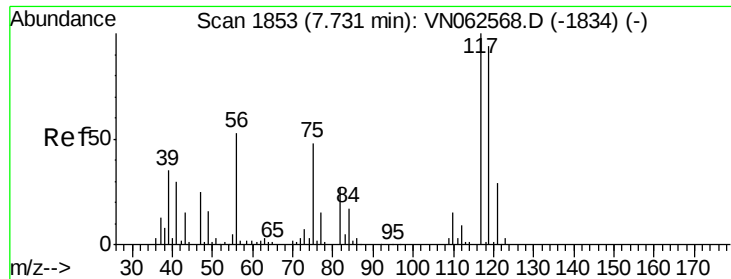
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.725 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.09 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

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

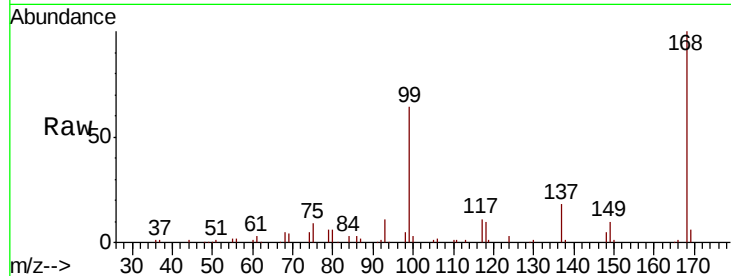




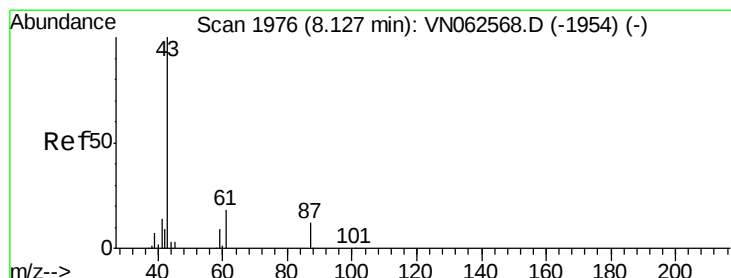
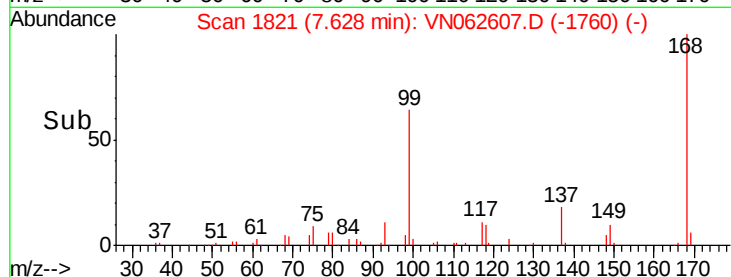
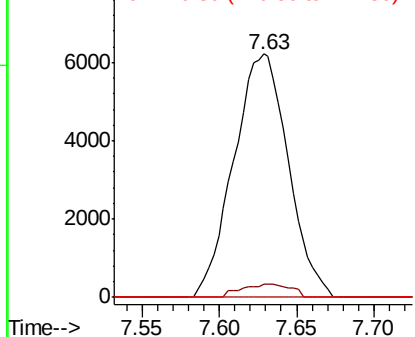
#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

Tot Ion:117 Resp: 15228
Ion Ratio Lower Upper
117 100
119 5.2 74.8 112.2#
121 0.0 23.0 34.6#

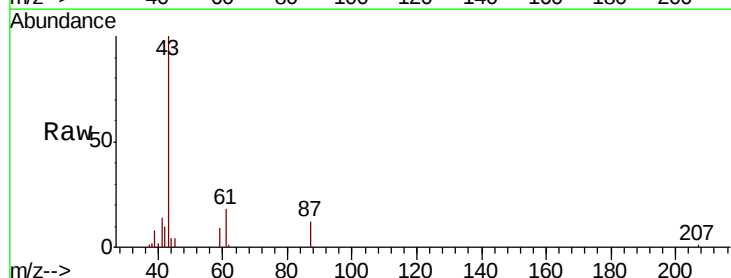


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

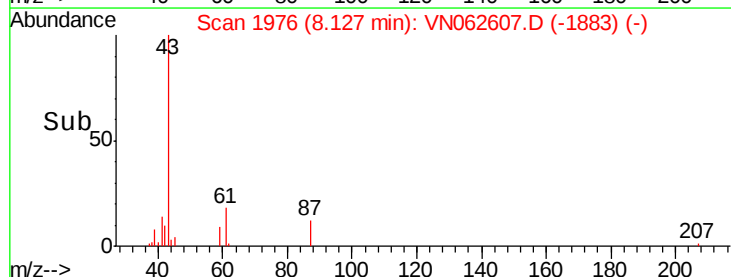
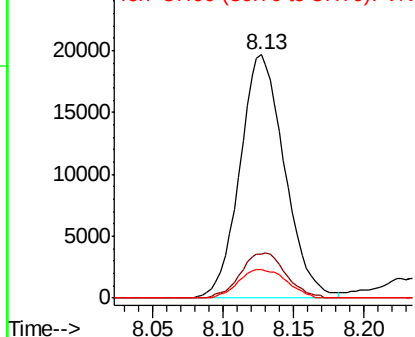


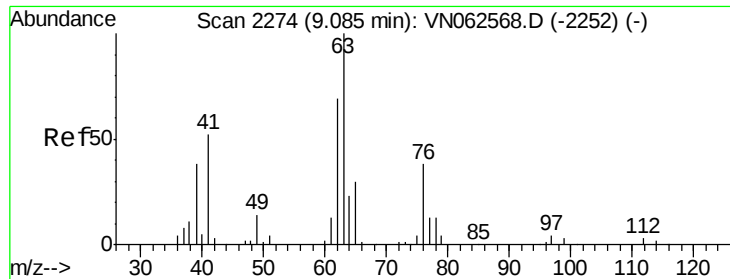
#43
Isopropyl Acetate
Concen: 9.392 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Tgt Ion: 43 Resp: 43571
Ion Ratio Lower Upper
43 100
61 18.8 20.8 31.2#
87 12.6 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

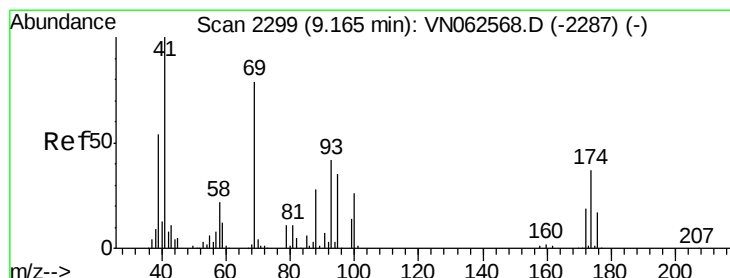
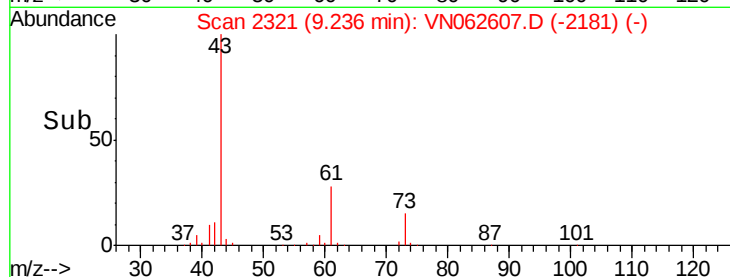
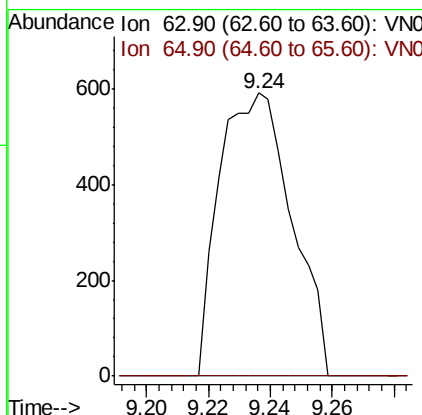
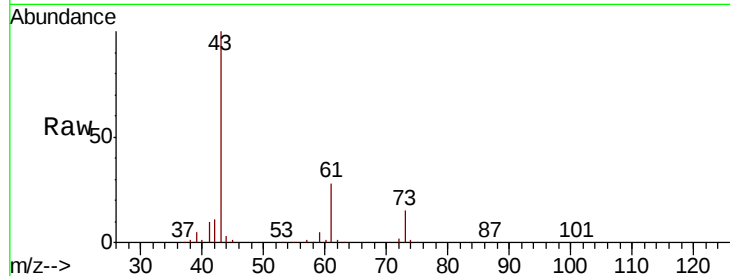




#45
 1,2-Dichloropropane
 Concen: 0.424 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

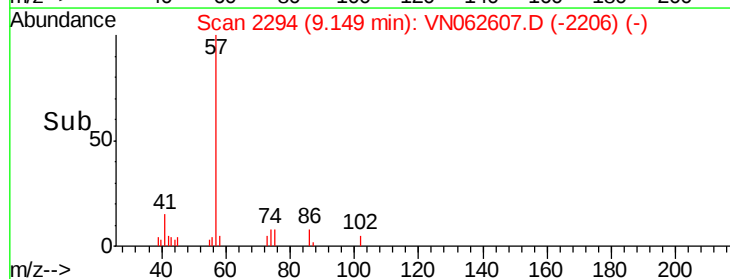
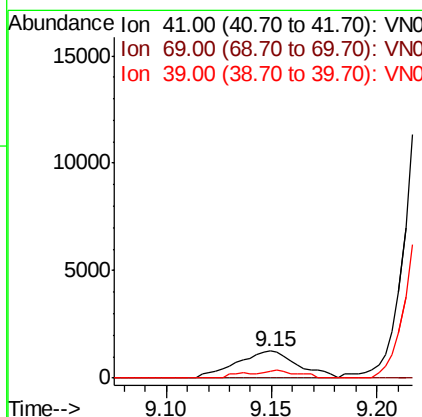
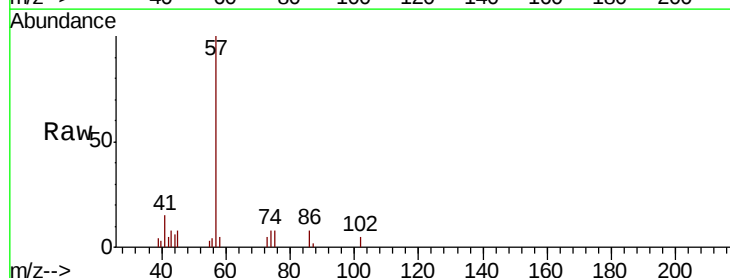
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#04

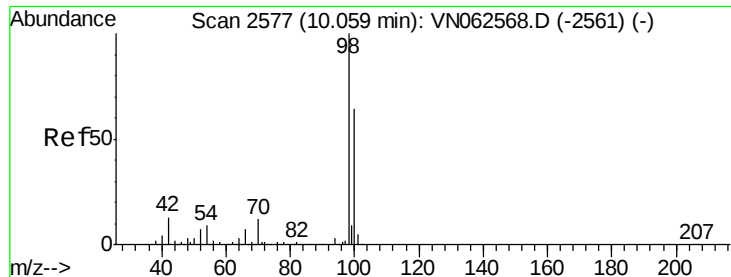
Tot Ion: 63 Resp: 962
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.150 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.02 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

Tgt Ion: 41 Resp: 2535
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 49.578 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062607.D

Acq: 27 Jul 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

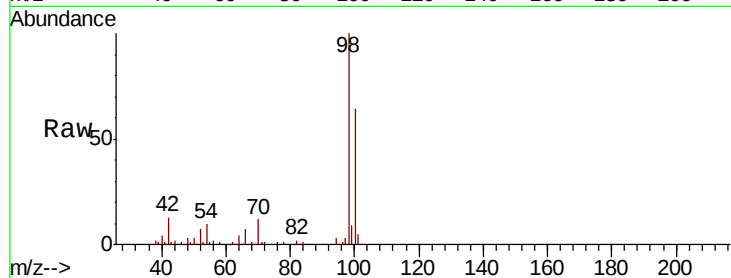
PB130485ZHE#04

Tot Ion: 98 Resp: 325428

Ion Ratio Lower Upper

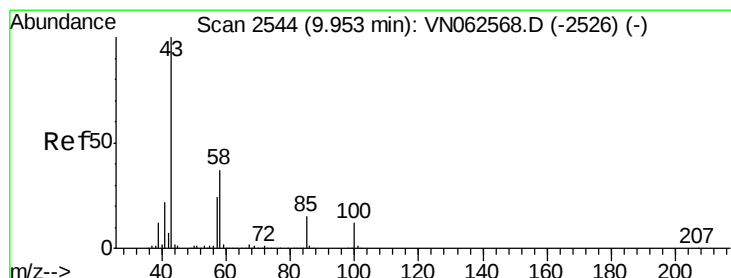
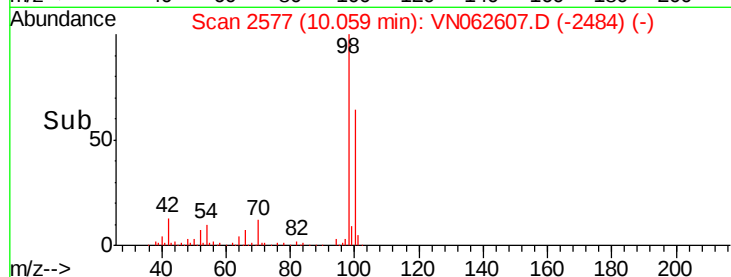
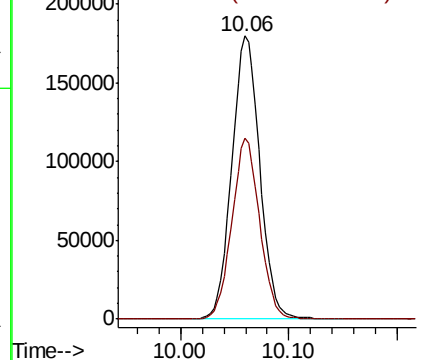
98 100

100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.795 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062607.D

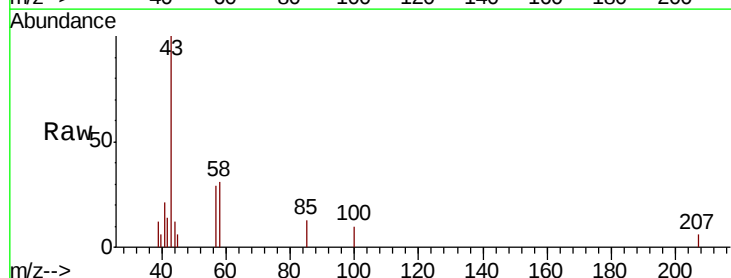
Acq: 27 Jul 2020 18:45

Tgt Ion: 43 Resp: 4983

Ion Ratio Lower Upper

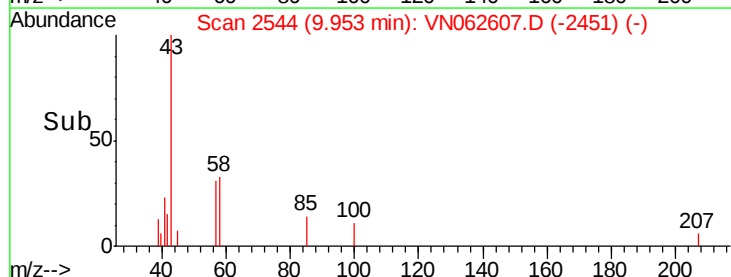
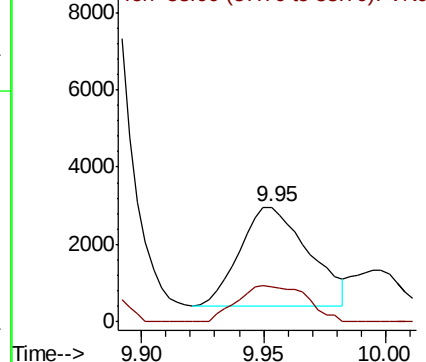
43 100

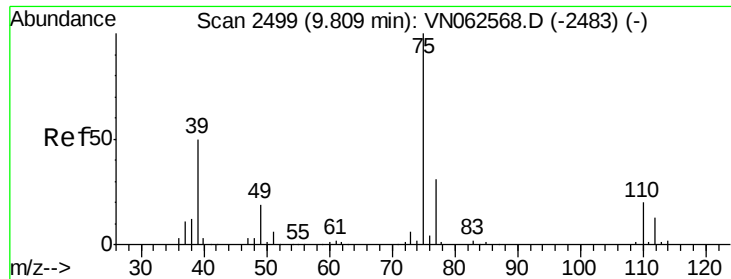
58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

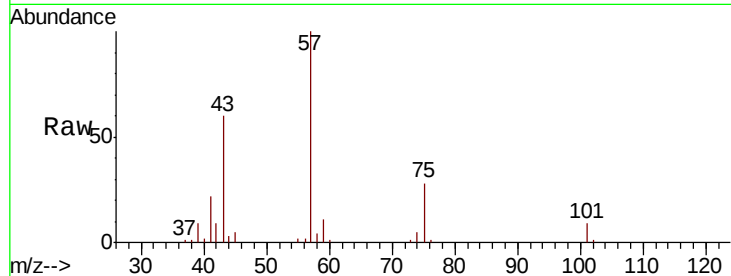




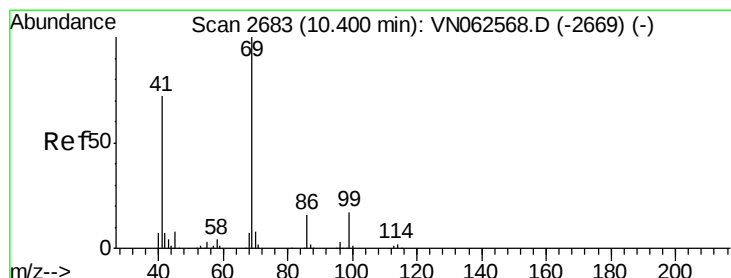
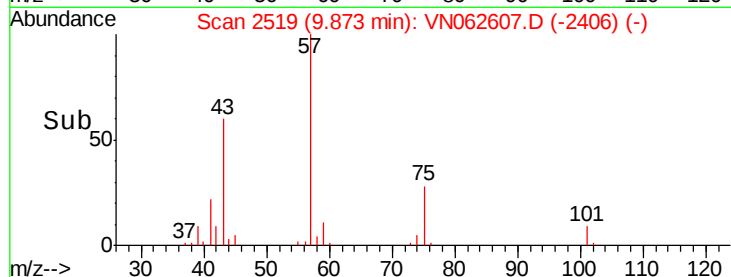
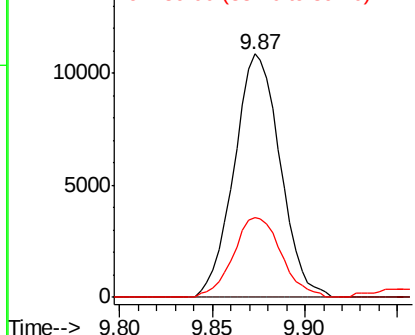
#54
 cis-1,3-Dichloropropene
 Concen: 5.524 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#04

Tot Ion: 75 Resp: 18750
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 32.7 39.8 59.8#

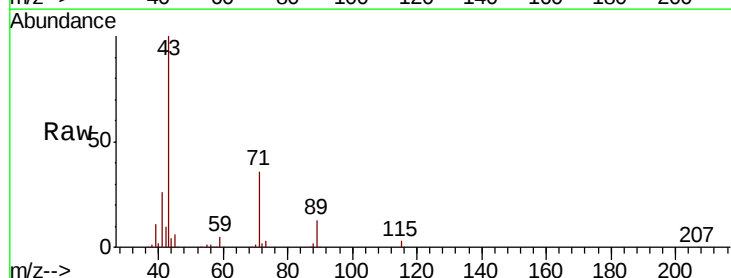


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO

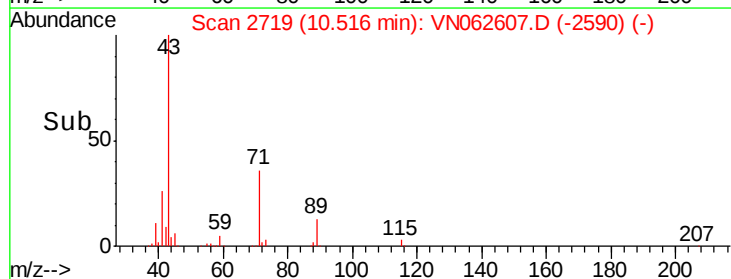
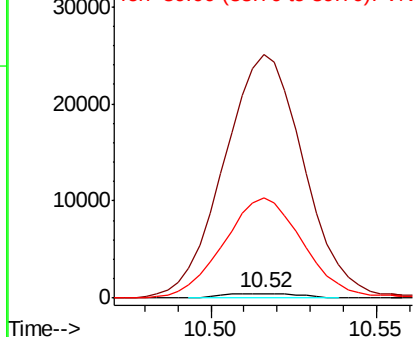


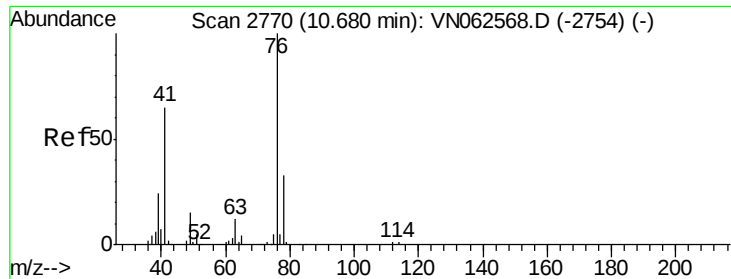
#56
 Ethyl methacrylate
 Concen: 1.992 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

Tgt Ion: 69 Resp: 756
 Ion Ratio Lower Upper
 69 100
 41 5633.3 57.2 85.8#
 39 2305.3 28.6 43.0#



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

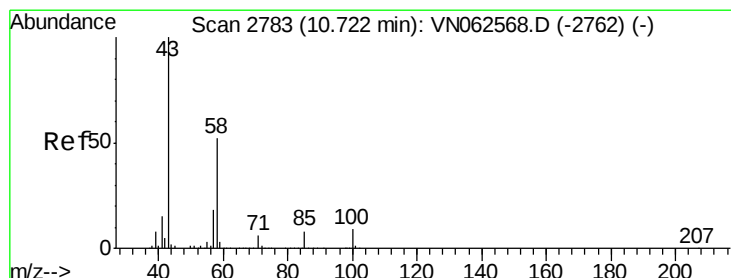
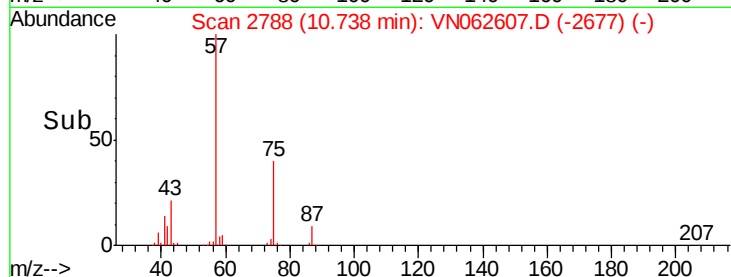
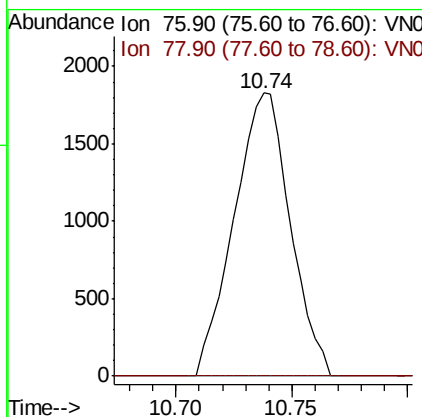
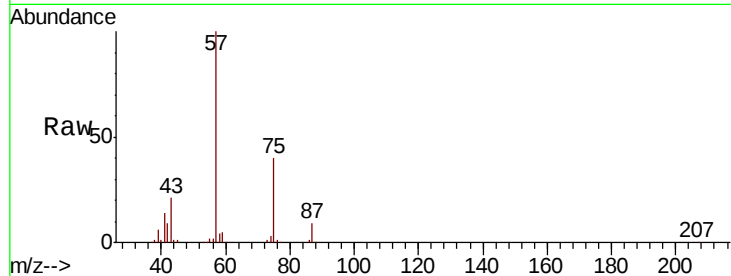




#57
 1,3-Dichloropropane
 Concen: 0.923 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

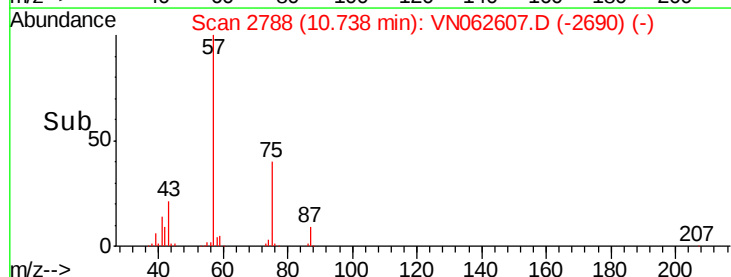
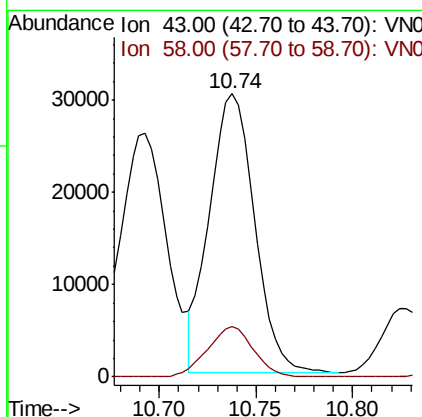
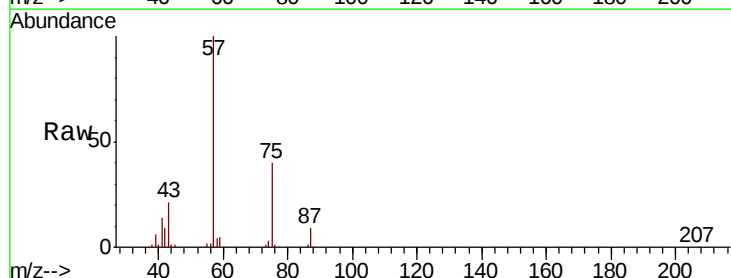
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#04

Tot Ion: 76 Resp: 3078
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 25.626 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062607.D
 Acq: 27 Jul 2020 18:45

Tgt Ion: 43 Resp: 49240
 Ion Ratio Lower Upper
 43 100
 58 18.1 26.0 78.0#

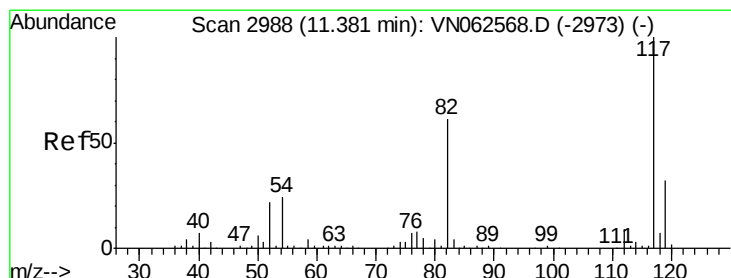
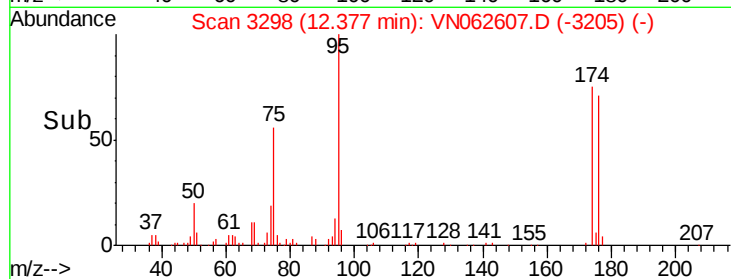
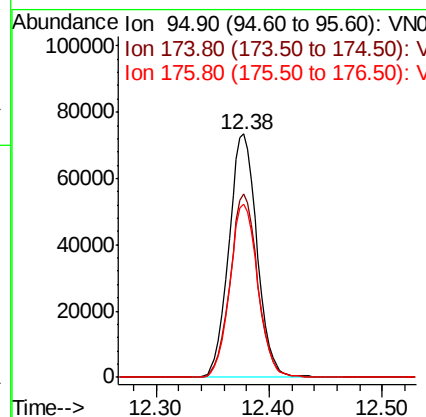
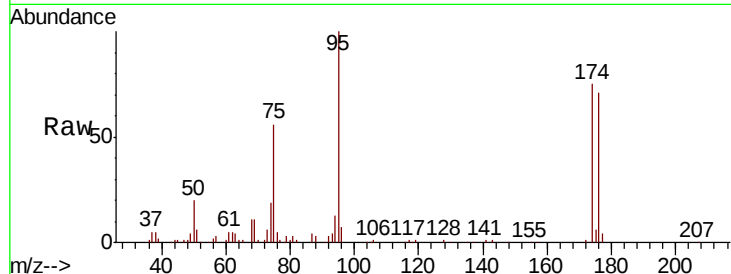




#62
4-Bromofluorobenzene
Concen: 52.962 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

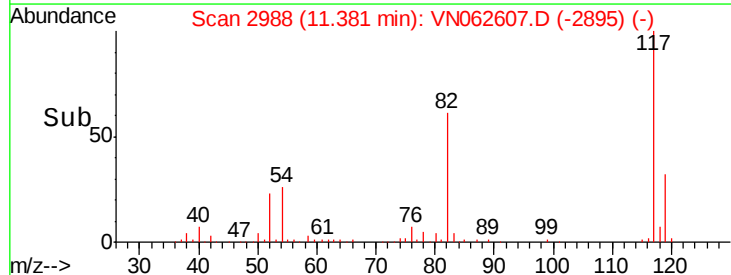
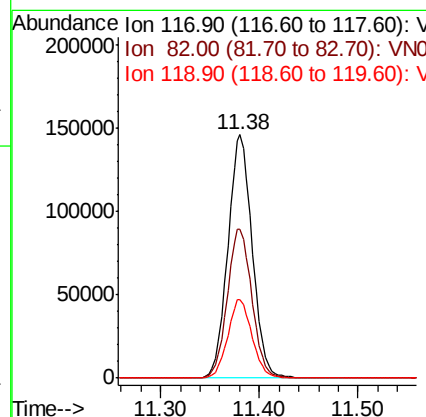
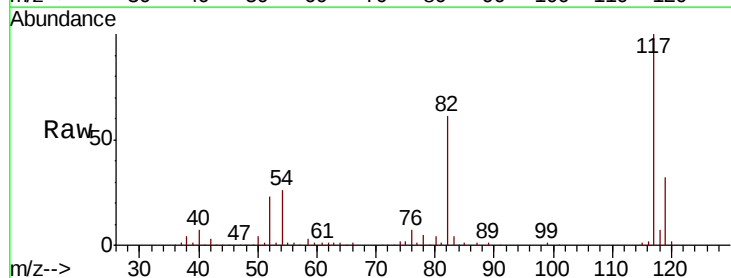
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#04

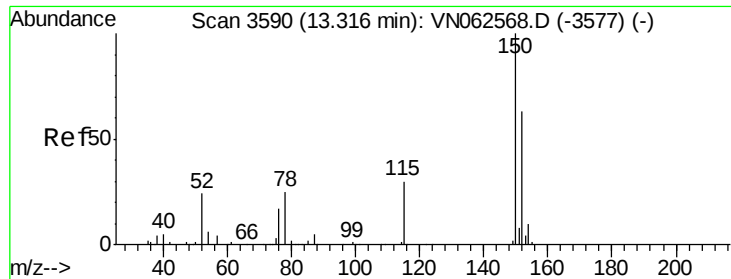
Tot Ion: 95 Resp: 127112
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 70.9 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062607.D
Acq: 27 Jul 2020 18:45

Tgt Ion: 117 Resp: 251843
Ion Ratio Lower Upper
117 100
82 61.2 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: VN062607.D

Acq: 27 Jul 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#04

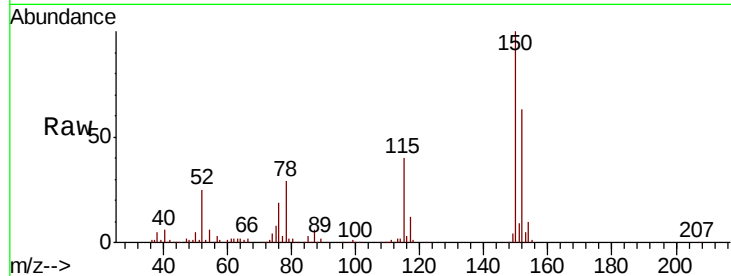
Tot Ion:152 Resp: 107427

Ion Ratio Lower Upper

152 100

115 64.6 31.8 95.4

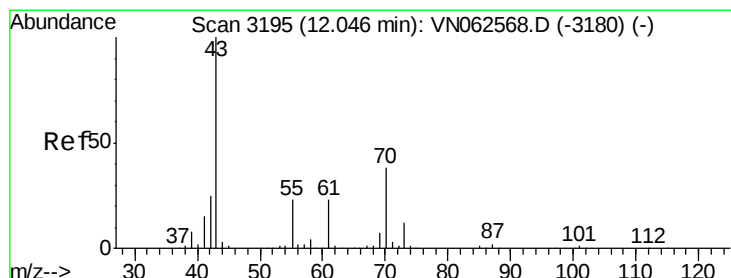
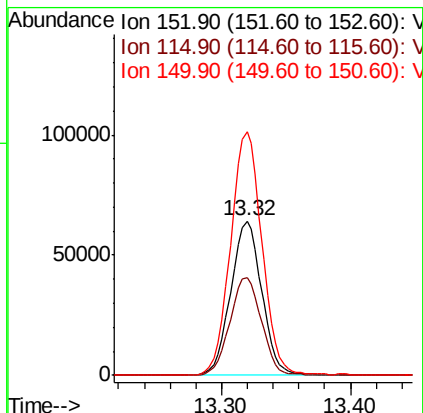
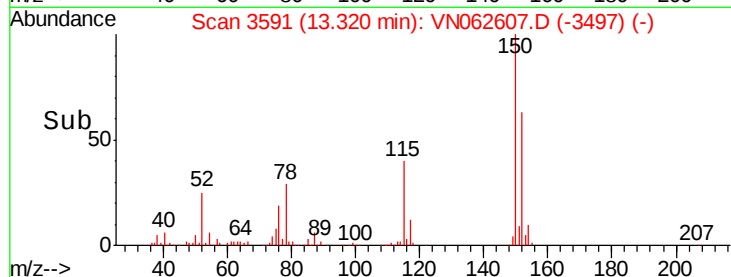
150 159.4 0.0 351.4



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: 0.382 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062607.D

Acq: 27 Jul 2020 18:45

Tgt Ion: 43 Resp: 1448

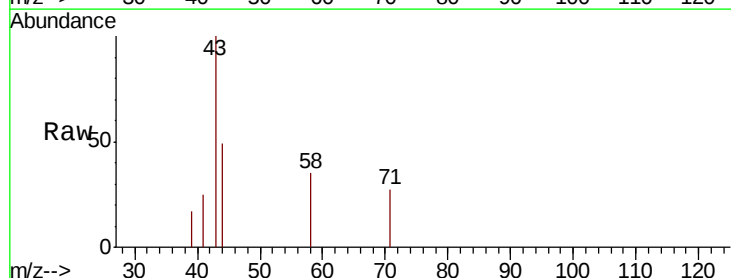
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

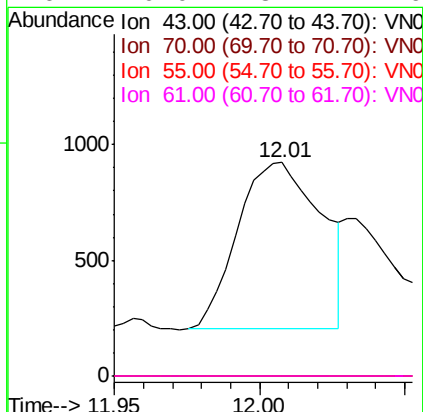
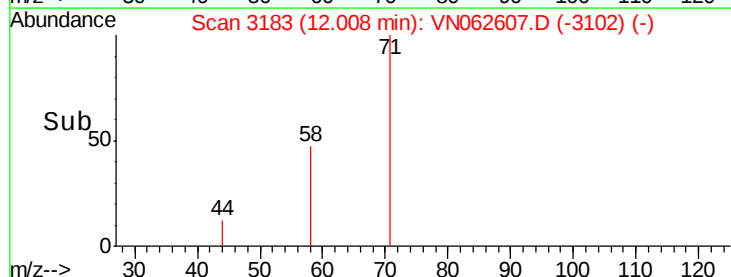


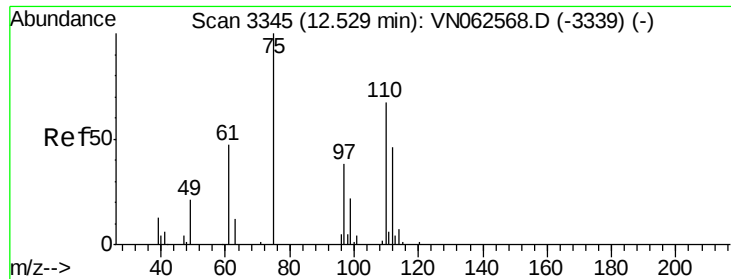
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 25.900 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062607.D

Acq: 27 Jul 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

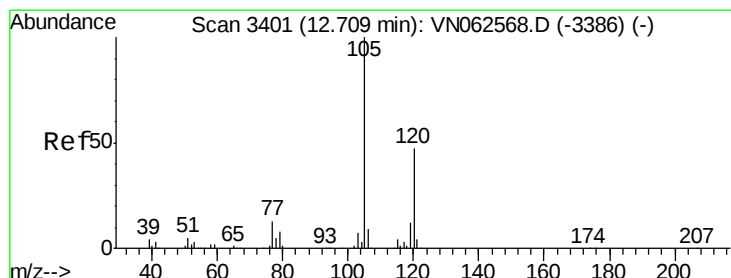
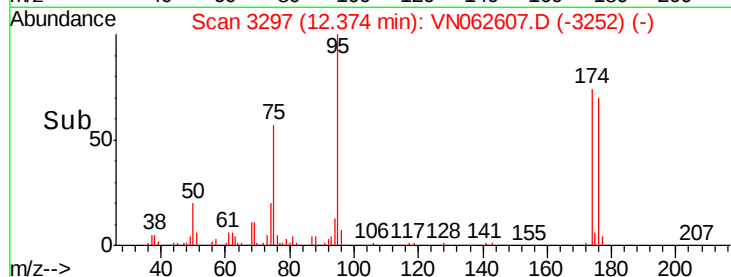
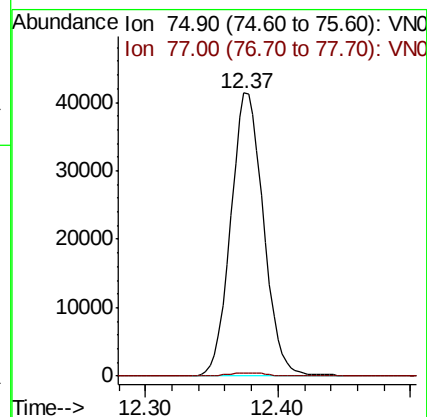
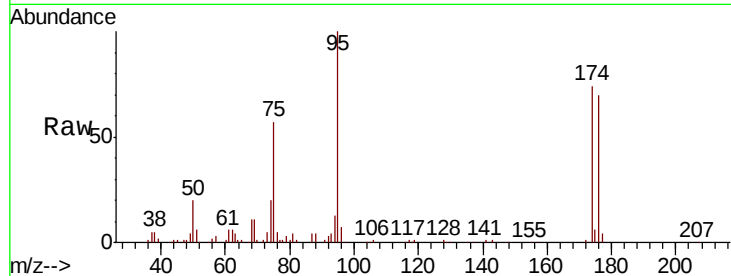
PB130485ZHE#04

Tot Ion: 75 Resp: 70822

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.276 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062607.D

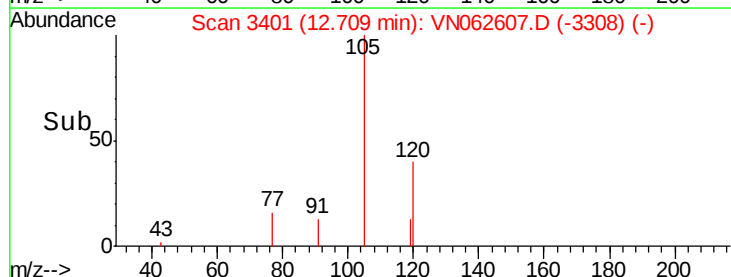
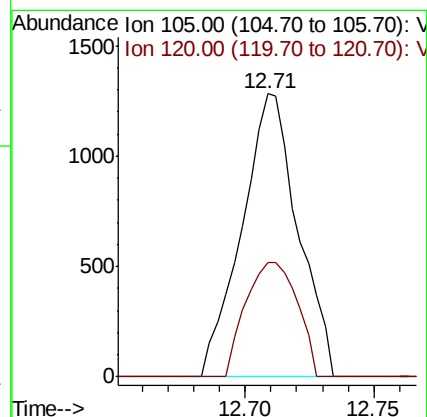
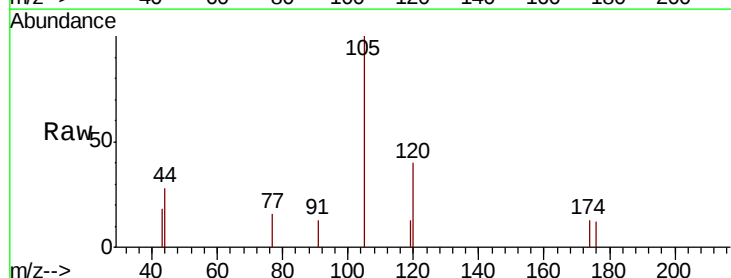
Acq: 27 Jul 2020 18:45

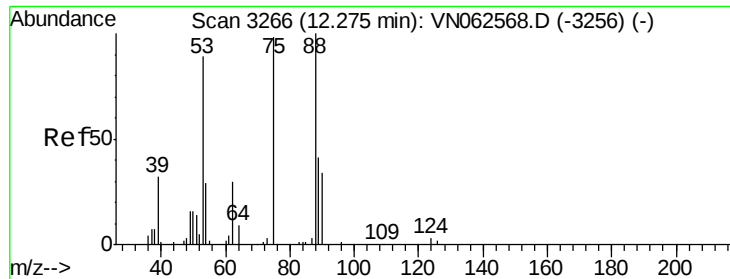
Tgt Ion: 105 Resp: 1943

Ion Ratio Lower Upper

105 100

120 37.4 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 72.101 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062607.D

Acq: 27 Jul 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#04

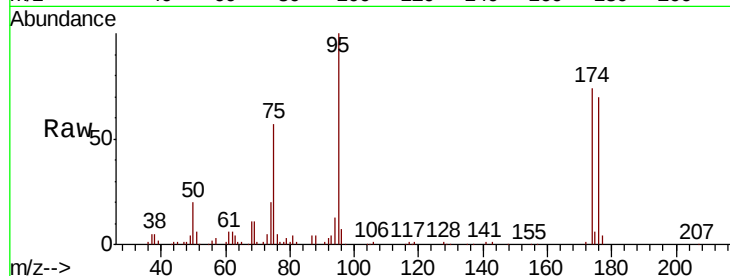
Tot Ion: 75 Resp: 70822

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

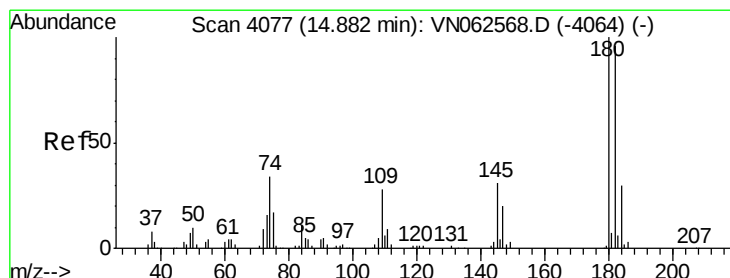
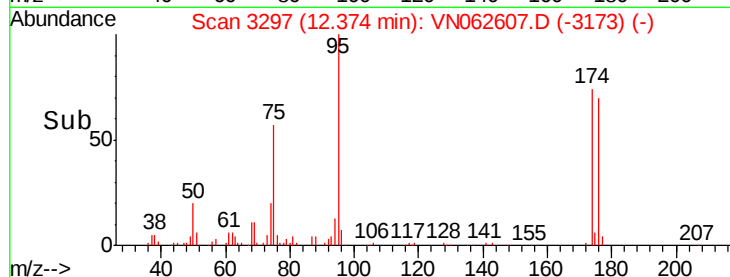
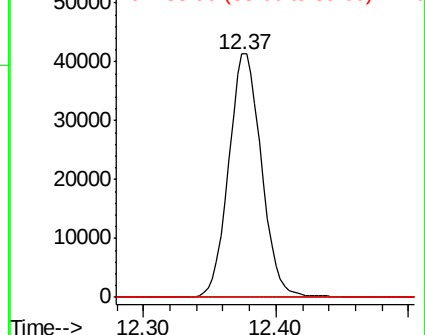
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN062607.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062607.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062607.D (-3173) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.136 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062607.D

Acq: 27 Jul 2020 18:45

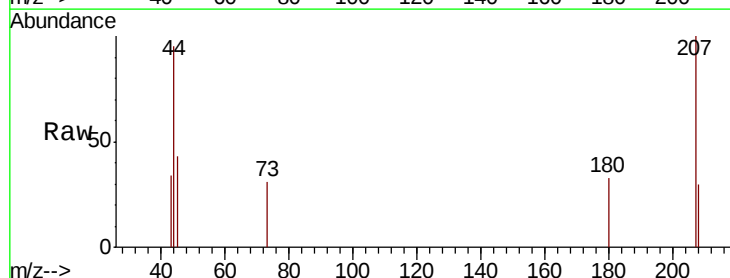
Tgt Ion: 180 Resp: 61

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

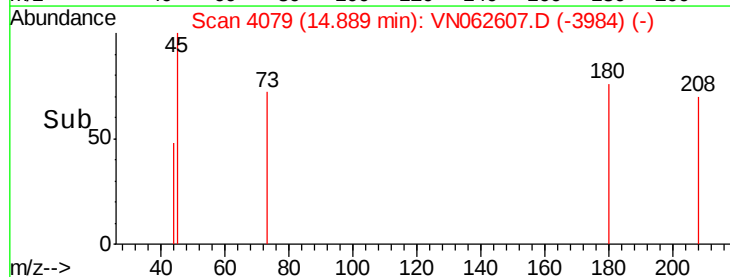
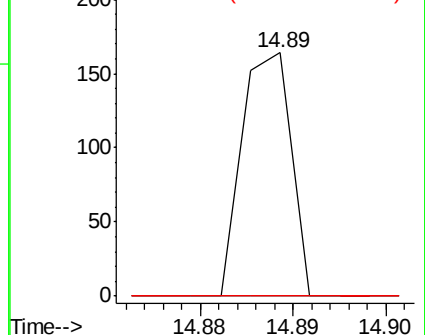
145 0.0 15.3 45.9#

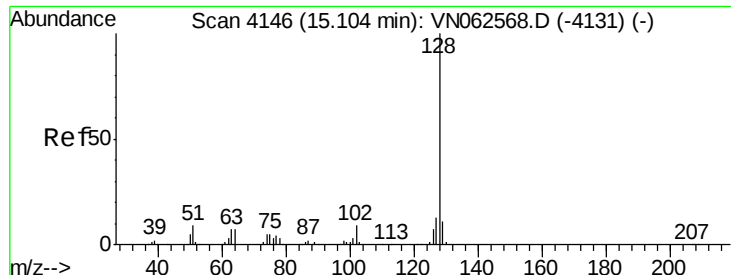


Abundance Ion 179.80 (179.50 to 180.50): VN062607.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN062607.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN062607.D (-3984) (-)





#95

Naphthalene

Concen: 3.806 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062607.D

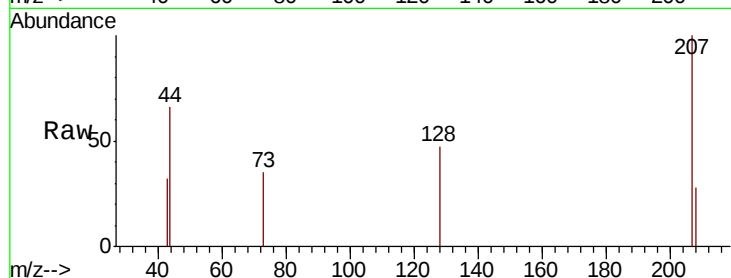
Acq: 27 Jul 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#04



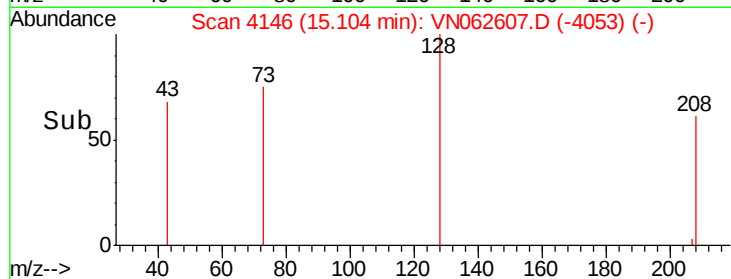
Tot Ion:128 Resp: 229

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

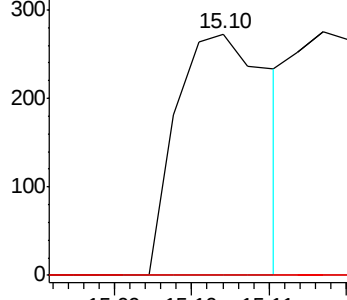
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->