

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062690.D
 Acq On : 31 Jul 2020 17:06
 Operator : JC/MD
 Sample : PB130640ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#13

Quant Time: Aug 01 06:06:42 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	131368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	247185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91455	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	117624	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	
35) Dibromofluoromethane	7.55	113	81621	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.06	98	326995	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.38	95	119186	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

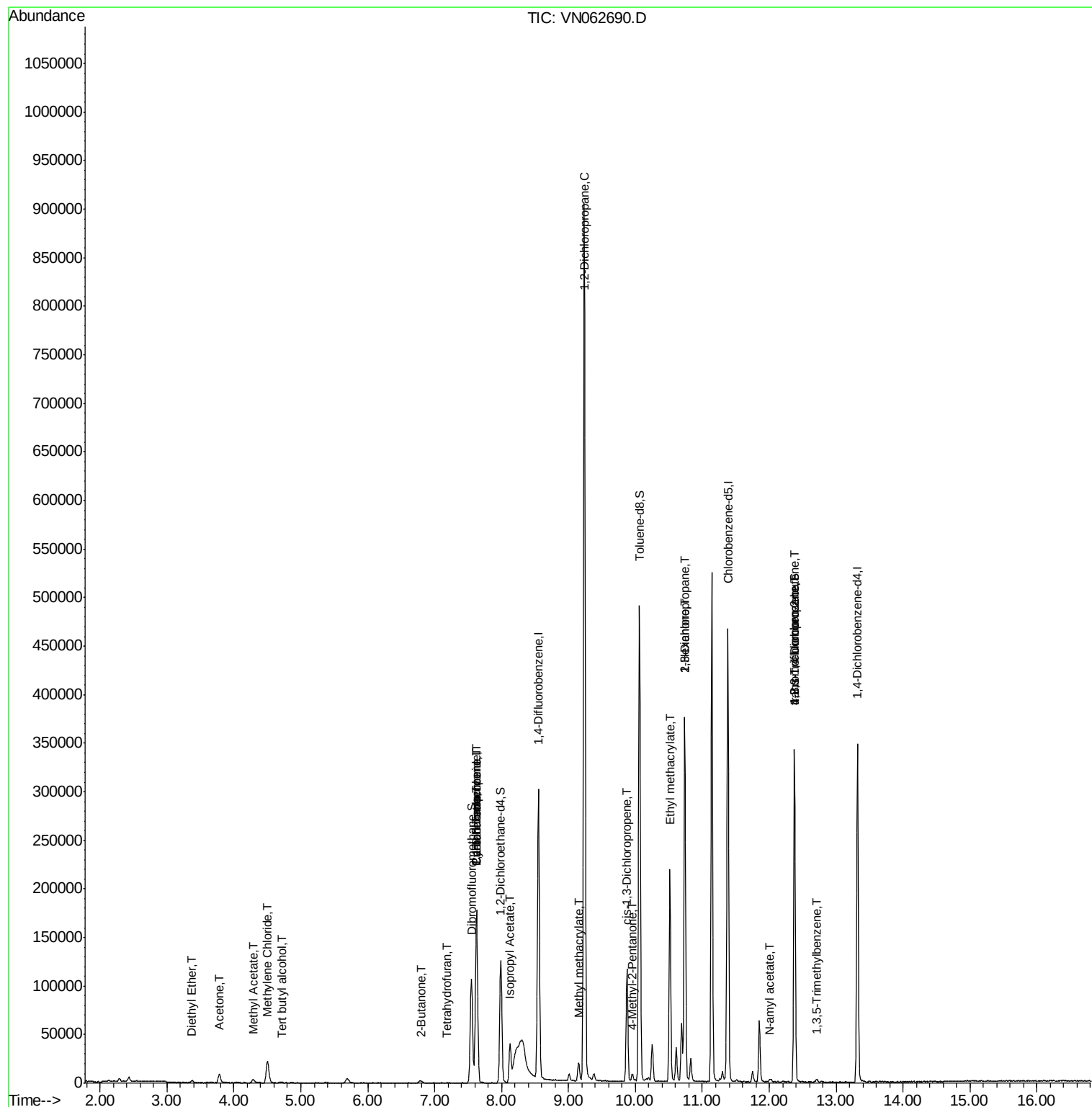
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	1196	1.182	ug/l	93
11) Tert butyl alcohol	4.71	59	74	0.228	ug/l #	73
16) Acetone	3.78	43	16108	20.975	ug/l	95
18) Methyl Acetate	4.29	43	7280	3.745	ug/l #	84
20) Methylene Chloride	4.50	84	15728	8.539	ug/l	94
25) 2-Butanone	6.81	43	1240	1.060	ug/l #	52
29) Tetrahydrofuran	7.17	42	265	0.335	ug/l #	38
31) Cyclohexane	7.63	56	3224	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11674	4.431	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14184	5.601	ug/l #	18
43) Isopropyl Acetate	8.13	43	47525	10.380	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	1092	0.488	ug/l #	44
48) Methyl methacrylate	9.14	41	3351	1.540	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	5748	2.098	ug/l	91
54) cis-1,3-Dichloropropene	9.87	75	19427	5.799	ug/l #	65
56) Ethyl methacrylate	10.52	69	1088	2.094	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3711	1.127	ug/l #	42
59) 2-Hexanone	10.74	43	55070	28.645	ug/l #	54
74) N-amyl acetate	12.01	43	2808	0.869	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	66793	28.693	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2083	0.347	ug/l	81
81) trans-1,4-Dichloro-2-buten	12.38	75	66793	79.874	ug/l #	12

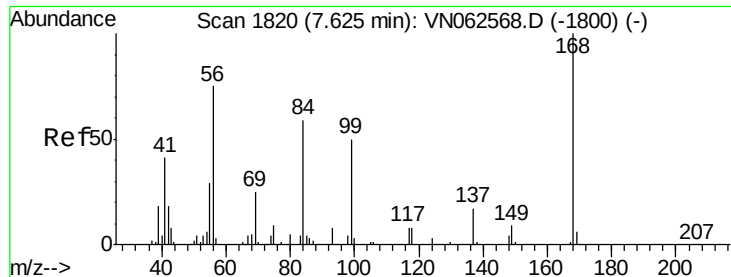
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\
Data File : VN062690.D
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Quant Time: Aug 01 06:06:42 2020
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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# 1821

Delta R.T. 0.00 min

Lab File: VN062690.D

Acq: 31 Jul 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

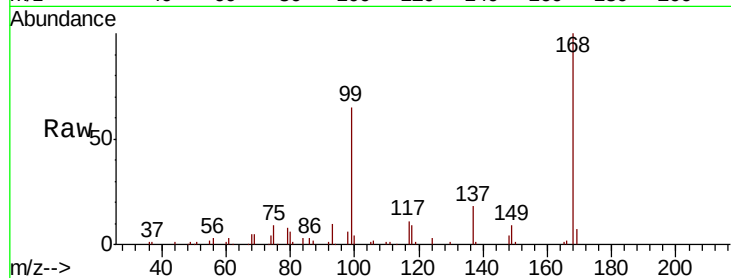
PB130640ZHE#13

Tot Ion:168 Resp: 131368

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): VN0

7.63

60000

50000

40000

30000

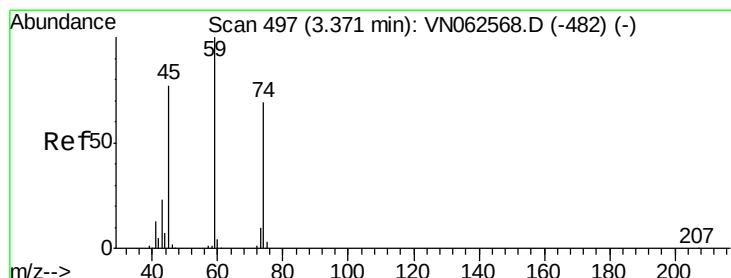
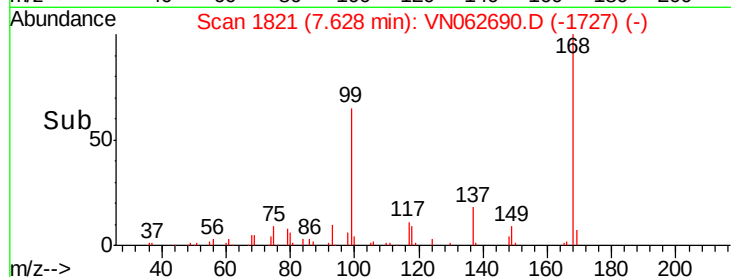
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#8

Diethyl Ether

Concen: 1.182 ug/l

RT: 3.37 min Scan# 496

Delta R.T. -0.00 min

Lab File: VN062690.D

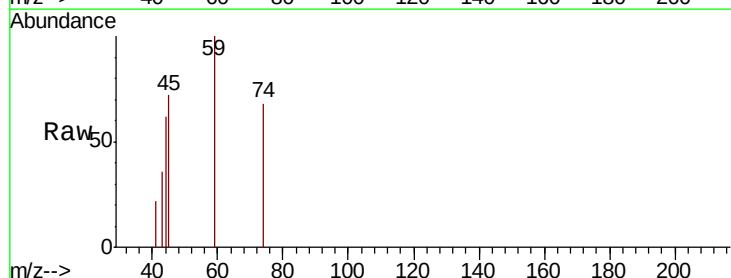
Acq: 31 Jul 2020 17:06

Tgt Ion: 74 Resp: 1196

Ion Ratio Lower Upper

74 100

45 117.6 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.37

800

600

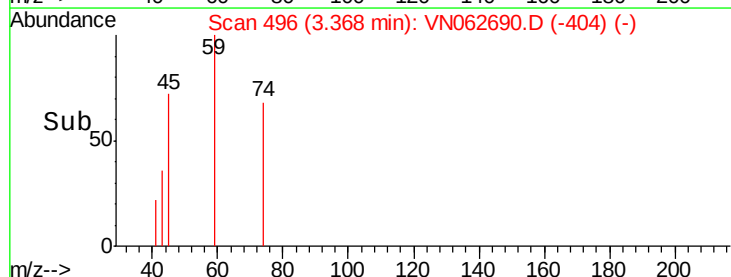
400

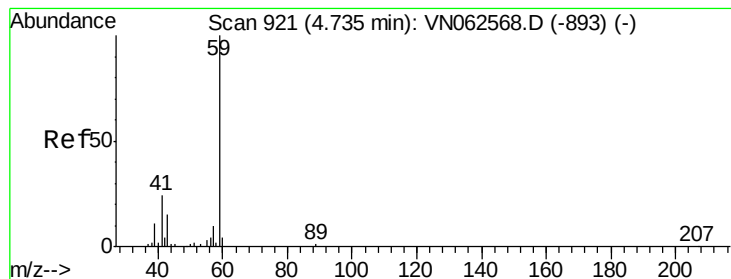
200

0

Time-->

3.35 3.40





#11

Tert butyl alcohol

Concen: 0.228 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.02 min

Lab File: VN062690.D

Acq: 31 Jul 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

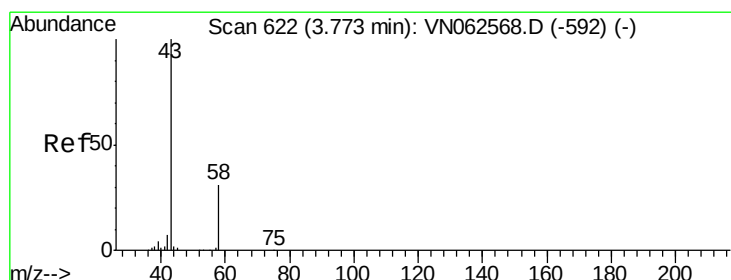
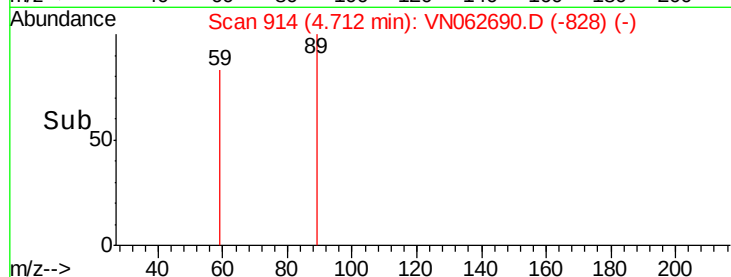
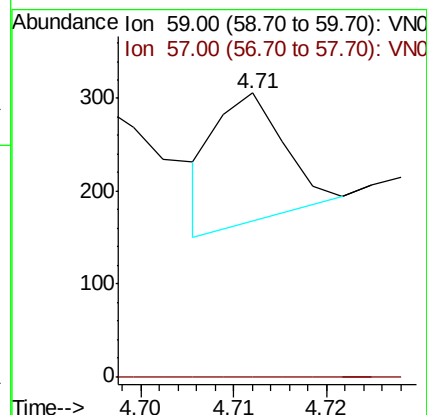
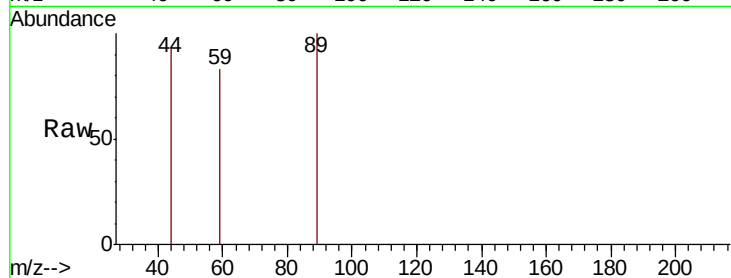
PB130640ZHE#13

Tot Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 20.975 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062690.D

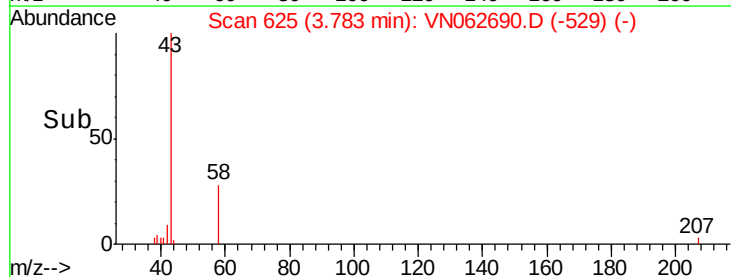
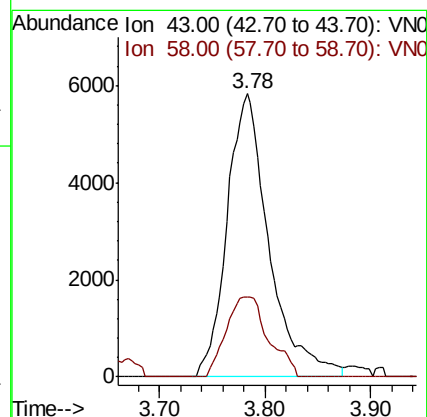
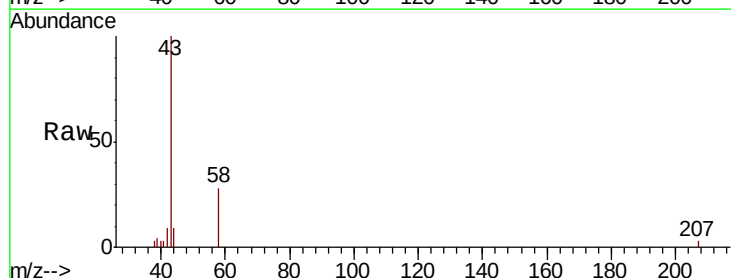
Acq: 31 Jul 2020 17:06

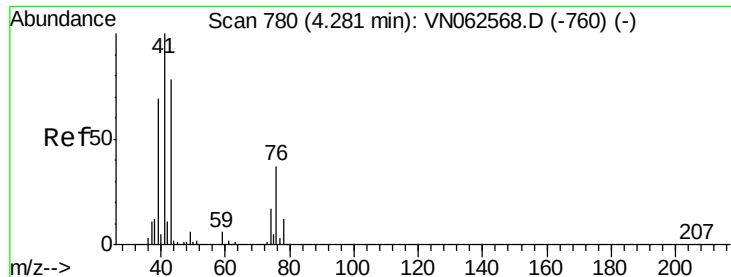
Tgt Ion: 43 Resp: 16108

Ion Ratio Lower Upper

43 100

58 28.3 24.6 37.0

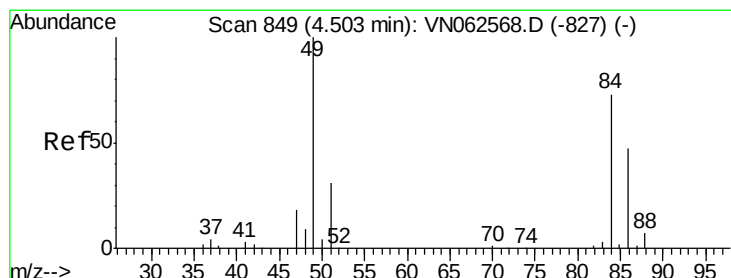
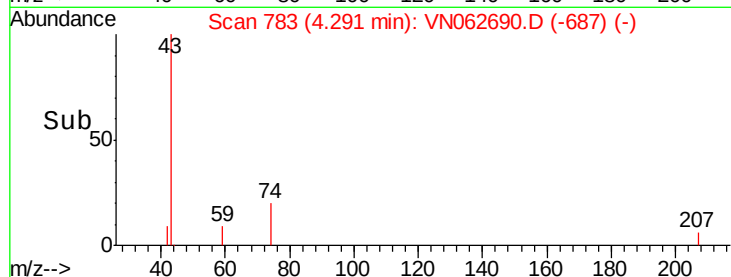
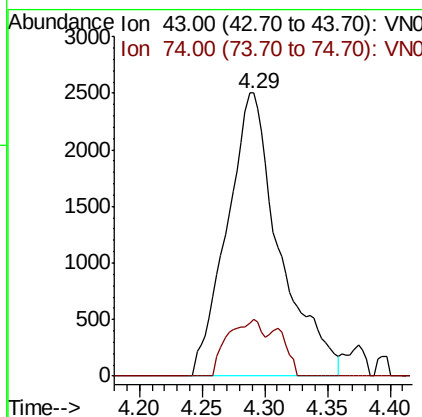
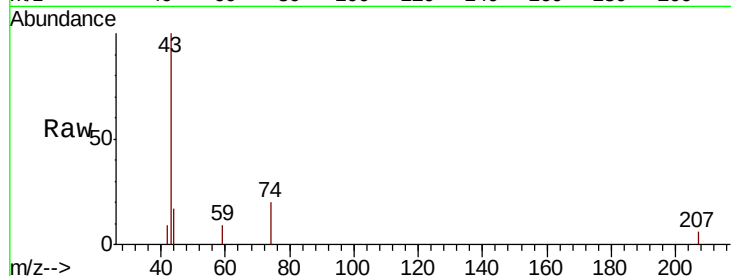




#18
Methvl Acetate
Concen: 3.745 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

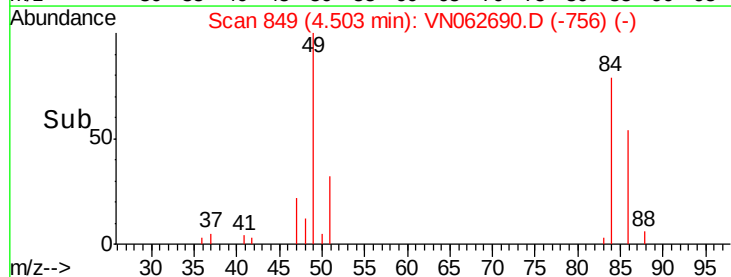
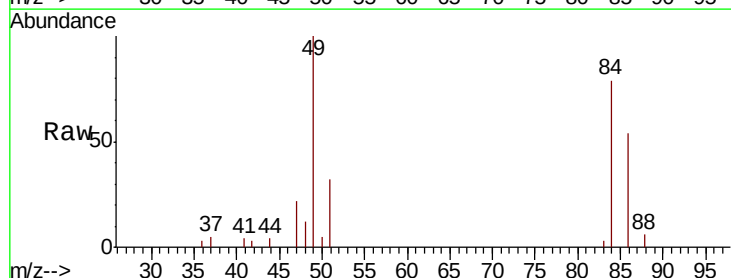
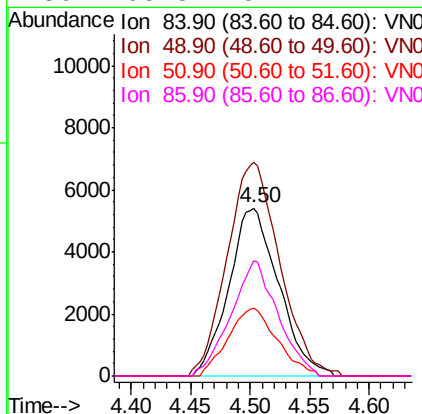
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#13

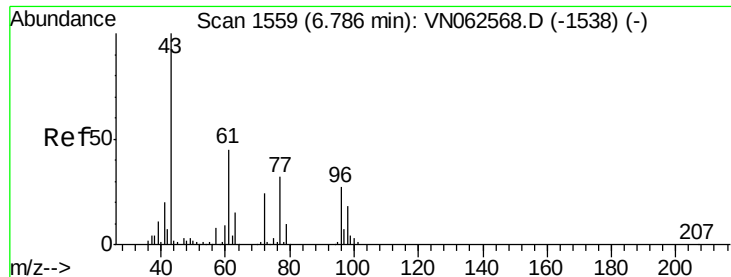
Tot Ion: 43 Resp: 7280
Ion Ratio Lower Upper
43 100
74 13.4 16.6 24.8#



#20
Methylene Chloride
Concen: 8.539 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

Tgt Ion: 84 Resp: 15728
Ion Ratio Lower Upper
84 100
49 127.3 109.4 164.0
51 40.8 33.6 50.4
86 68.8 51.4 77.2

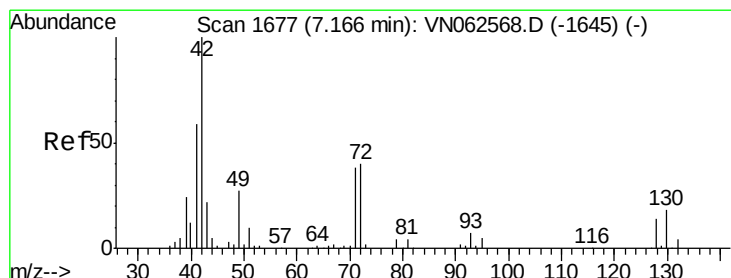
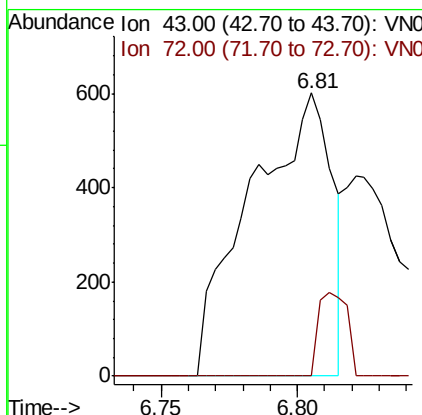
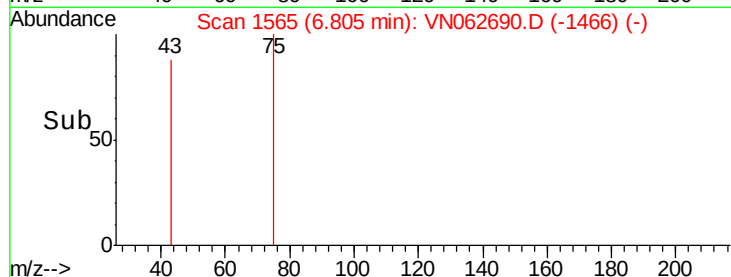
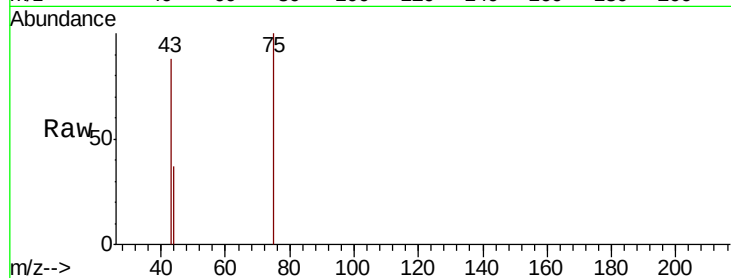




#25
2-Butanone
Concen: 1.060 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

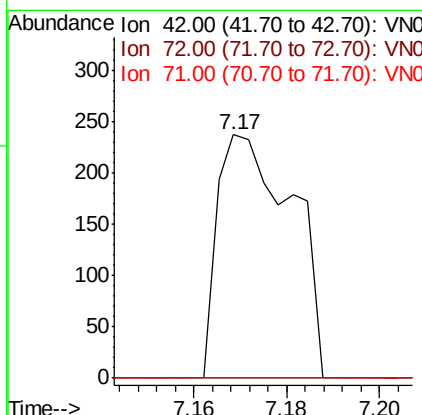
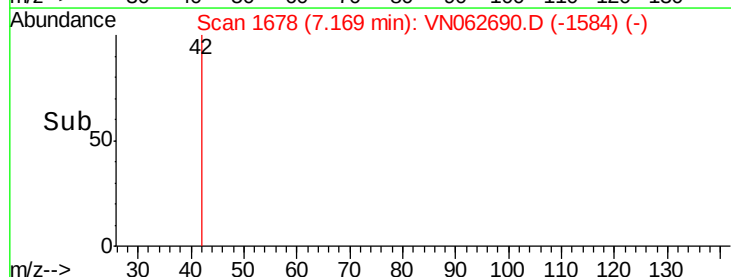
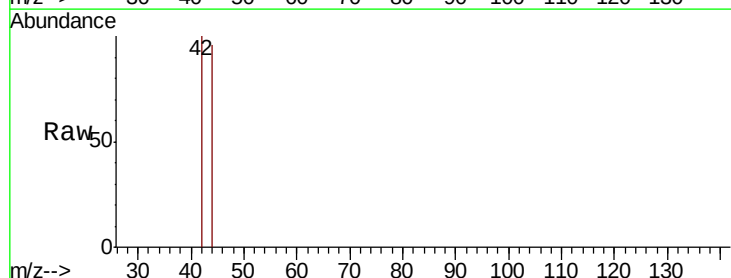
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#13

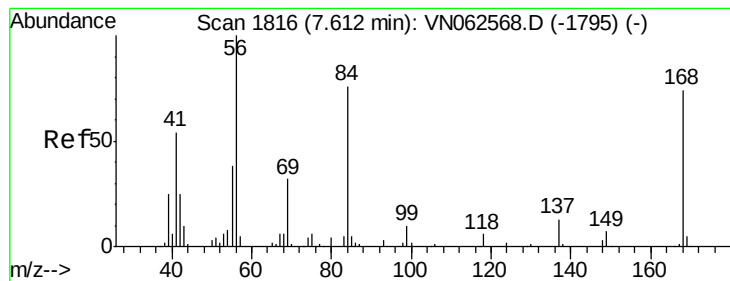
Tot Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#29
Tetrahydrofuran
Concen: 0.335 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

Tgt Ion: 42 Resp: 265
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 29.1 43.7#





#31

Cyclohexane

Concen: 1.072 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062690.D

Acq: 31 Jul 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#13

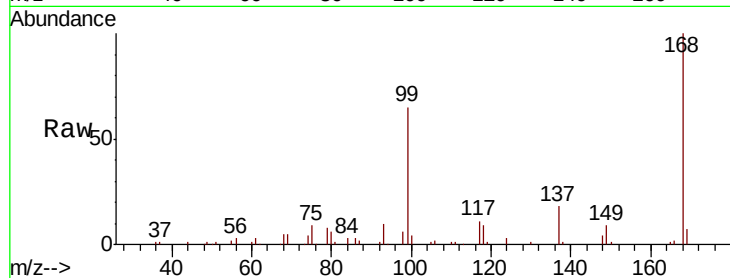
Tot Ion: 56 Resp: 3224

Ion Ratio Lower Upper

56 100

69 183.2 25.3 37.9#

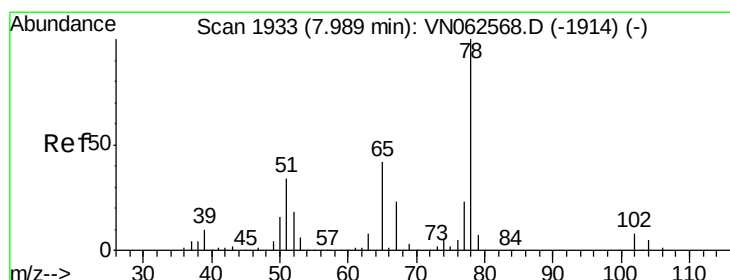
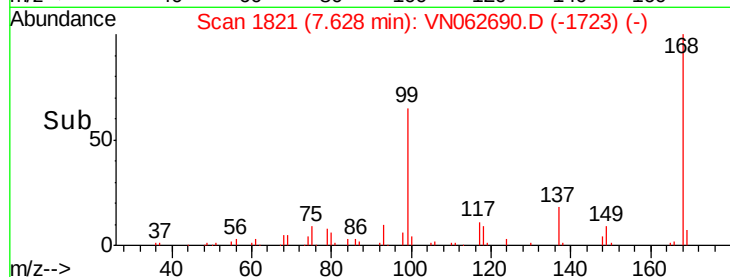
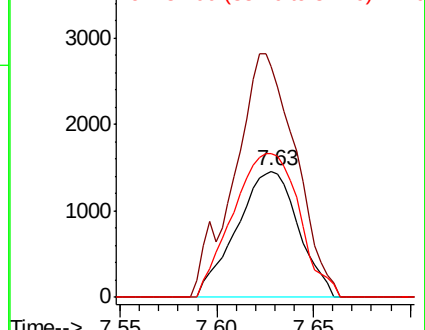
84 113.9 61.0 91.4#



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

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

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



#33

1,2-Dichloroethane-d4

Concen: 57.638 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062690.D

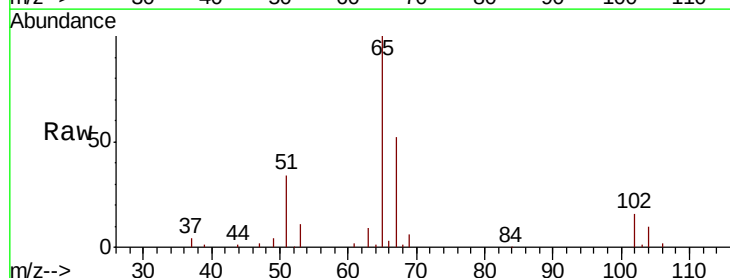
Acq: 31 Jul 2020 17:06

Tgt Ion: 65 Resp: 117624

Ion Ratio Lower Upper

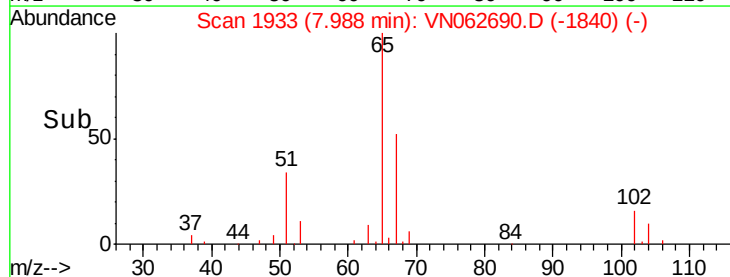
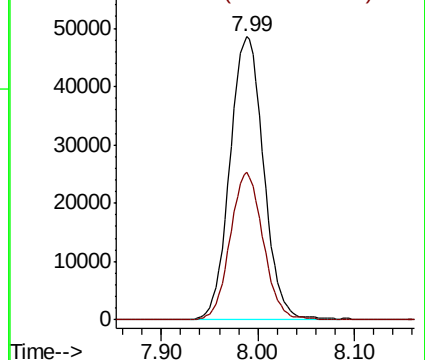
65 100

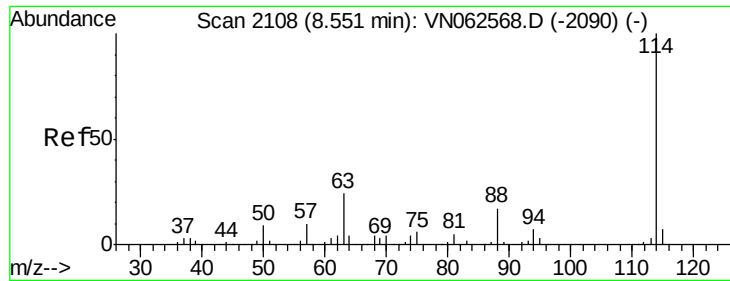
67 50.9 0.0 106.0



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

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

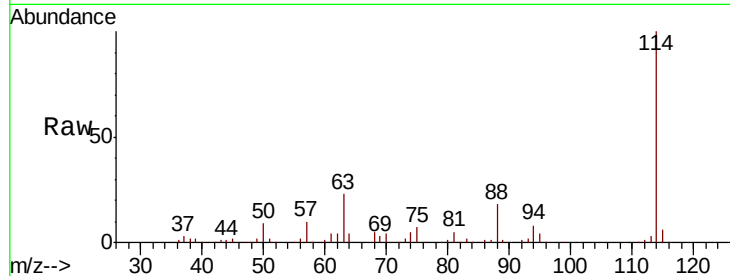




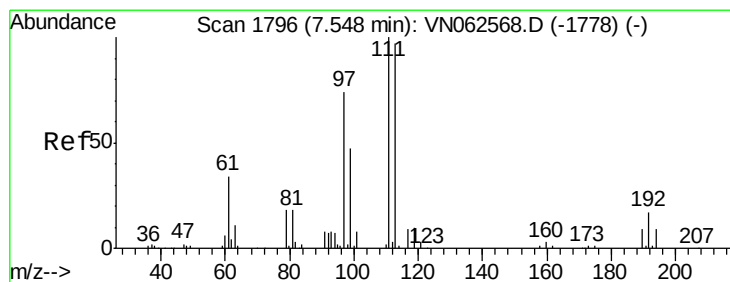
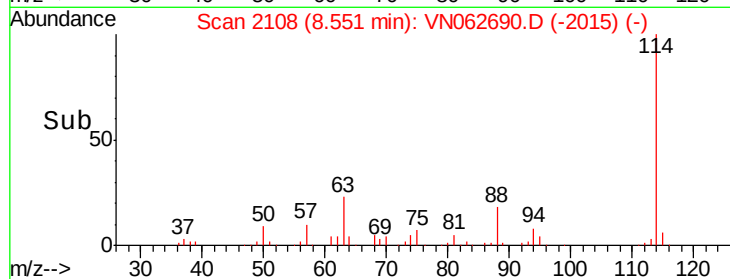
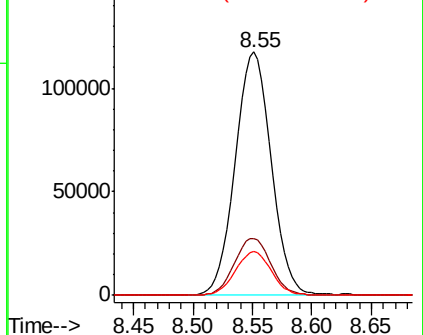
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

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 PB130640ZHE#13

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	48.4
88	18.2	0.0	33.8

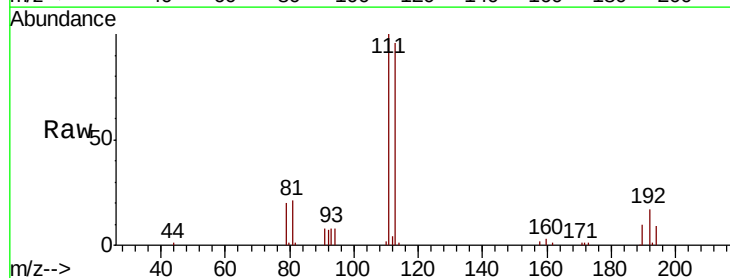


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

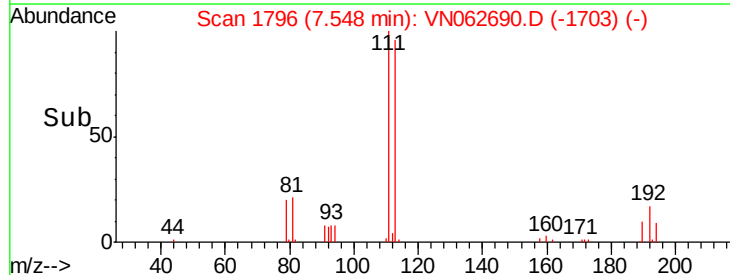
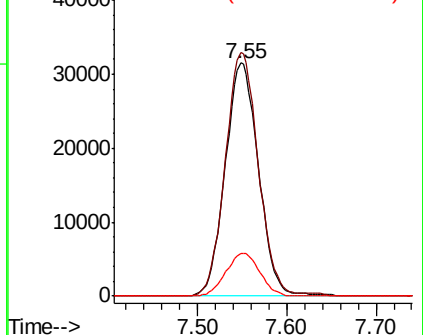


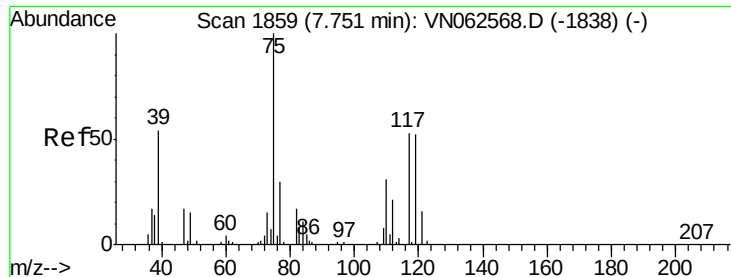
#35
 Dibromofluoromethane
 Concen: 50.270 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	18.6	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

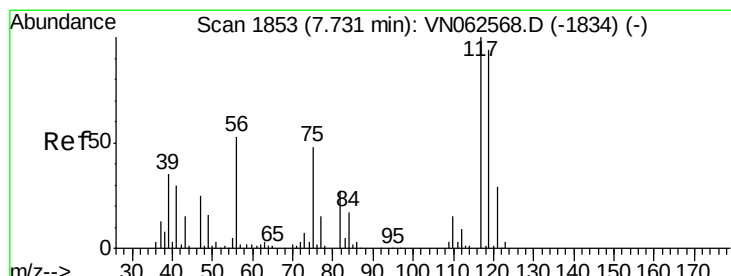
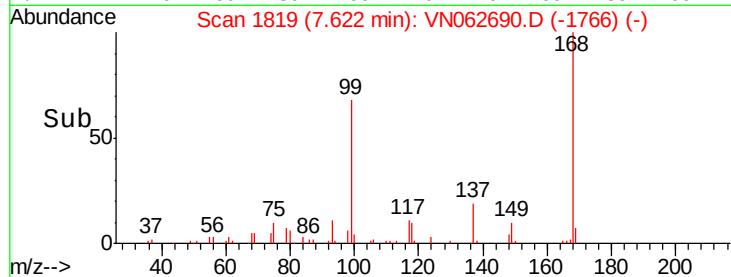
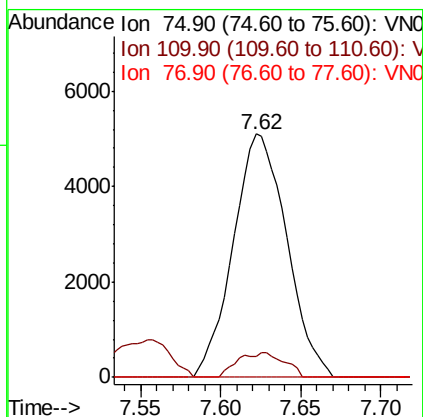
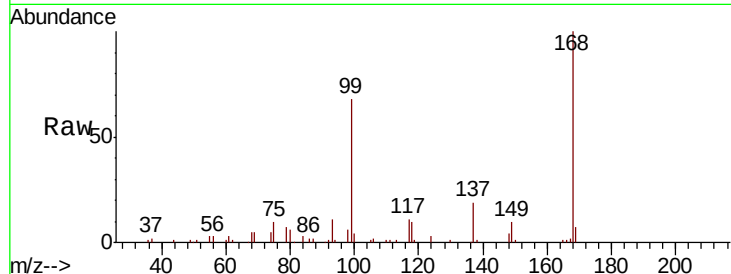




#36
 1,1-Dichloropropene
 Concen: 4.431 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

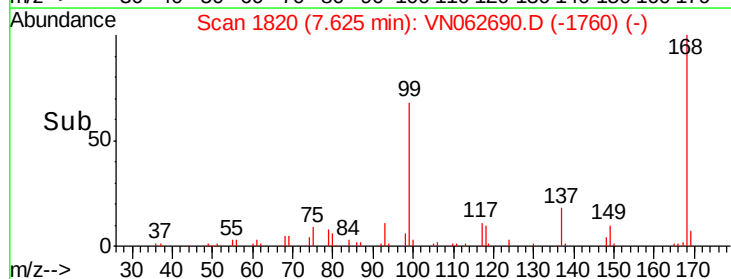
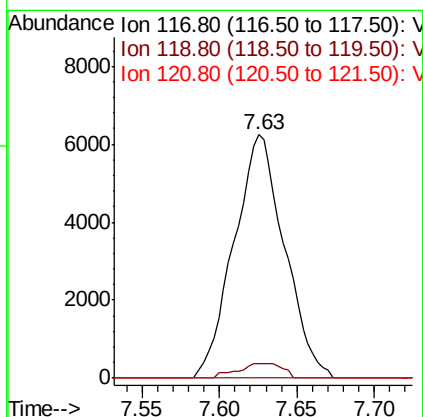
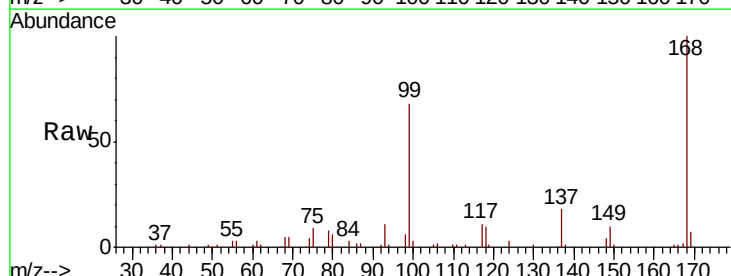
Instrument :
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 ClientSampleId :
 PB130640ZHE#13

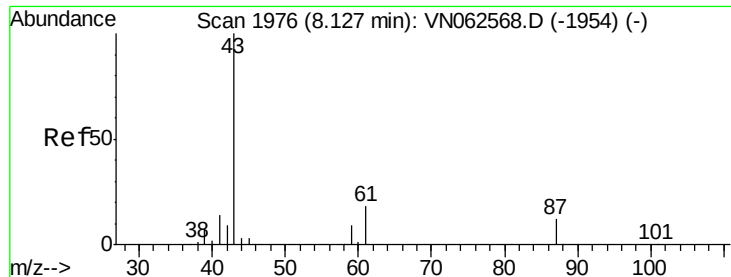
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.601 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 10.380 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062690.D

Acq: 31 Jul 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#13

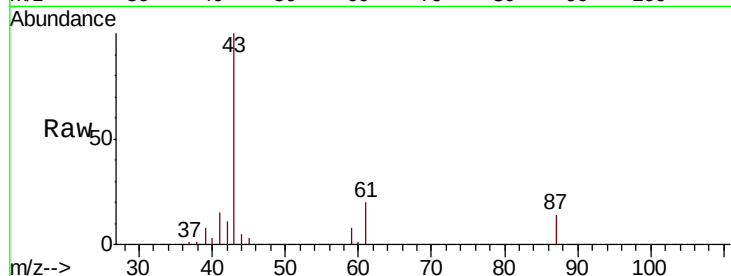
Tot Ion: 43 Resp: 47525

Ion Ratio Lower Upper

43 100

61 19.7 20.8 31.2#

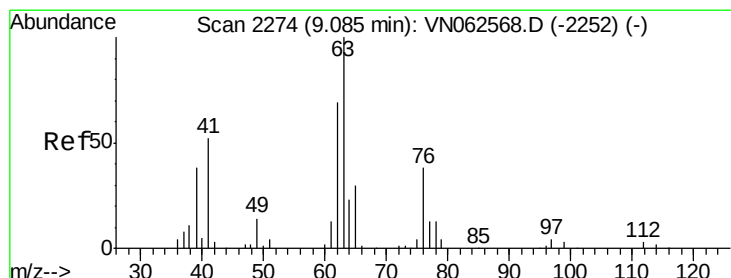
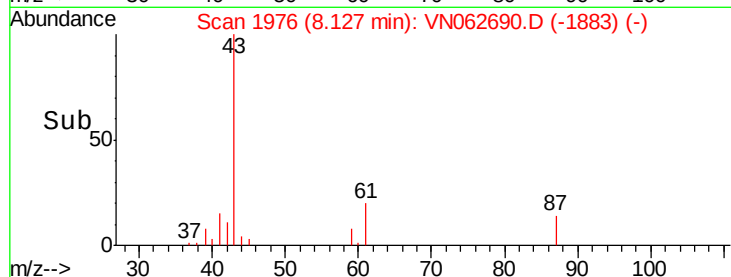
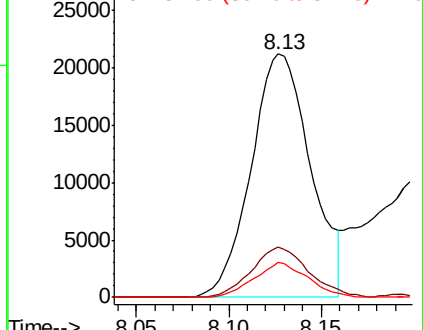
87 12.9 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.488 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN062690.D

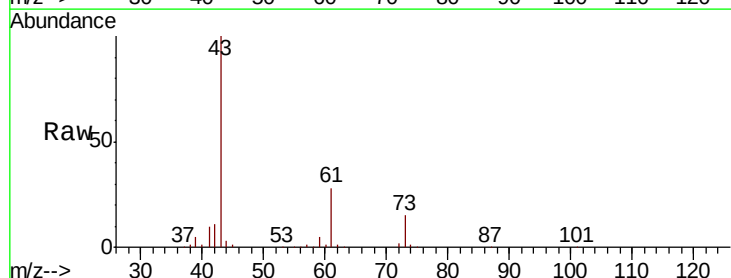
Acq: 31 Jul 2020 17:06

Tgt Ion: 63 Resp: 1092

Ion Ratio Lower Upper

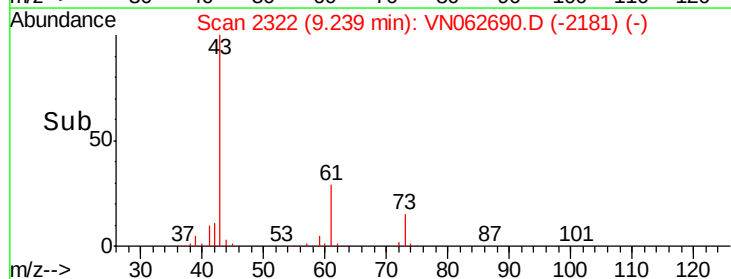
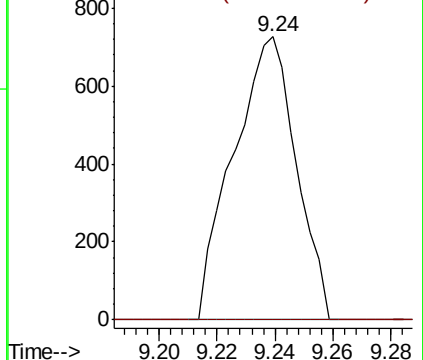
63 100

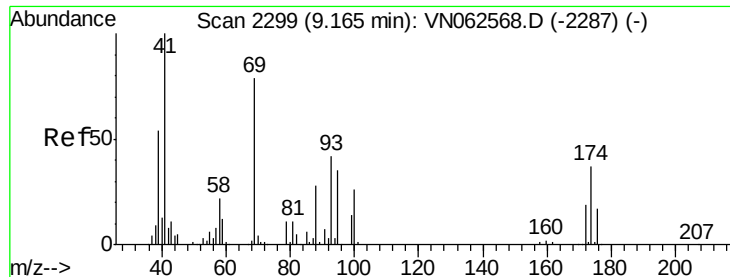
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

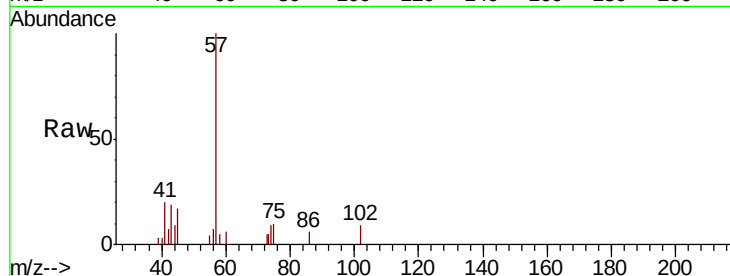




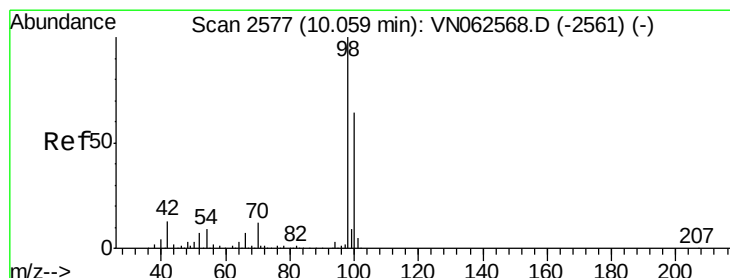
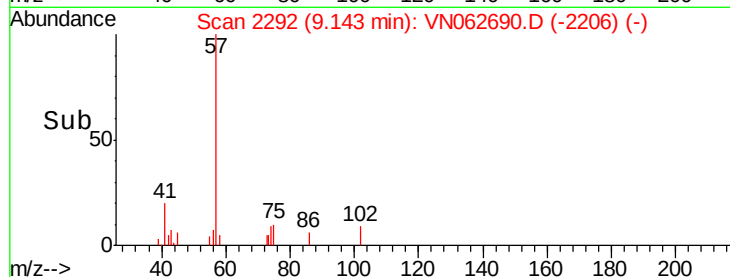
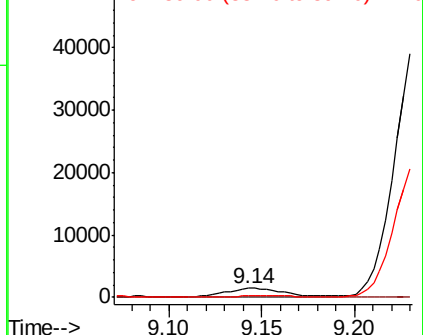
#48
Methvl methacrylate
Concen: 1.540 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#13

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

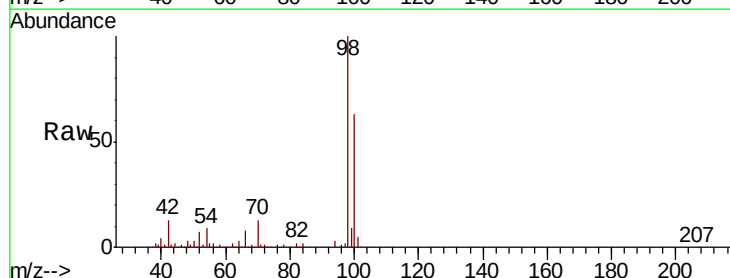


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

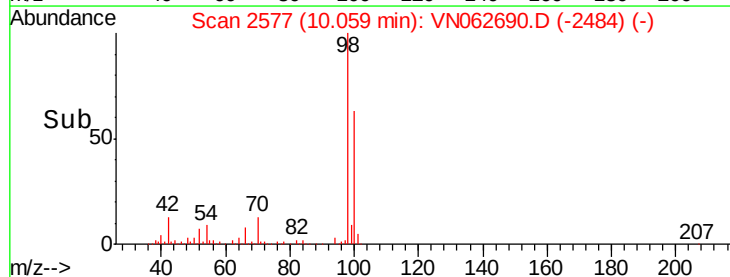
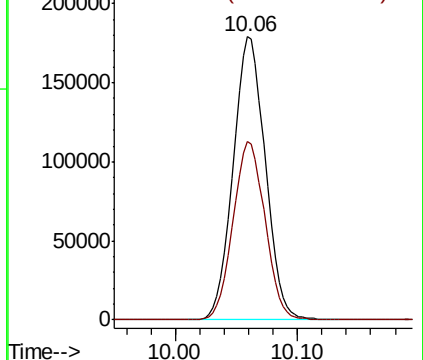


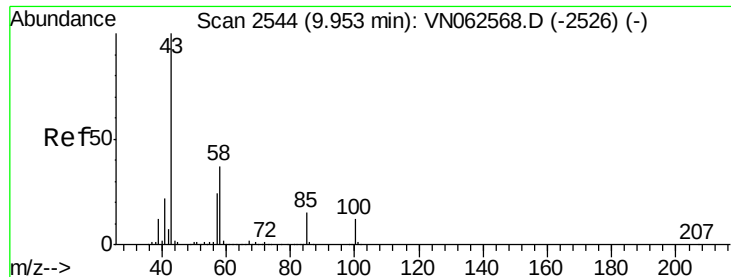
#50
Toluene-d8
Concen: 50.476 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

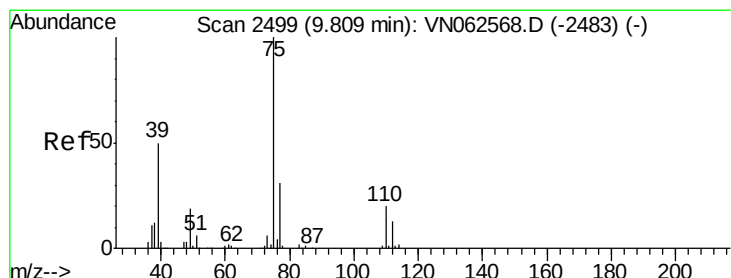
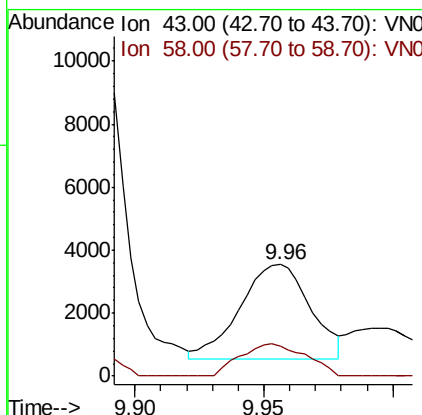
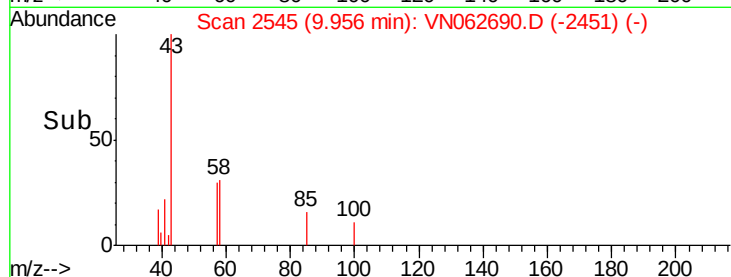
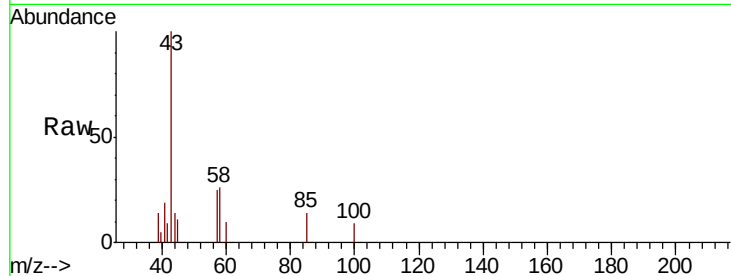




#51
 4-Methyl-2-Pentanone
 Concen: 2.098 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

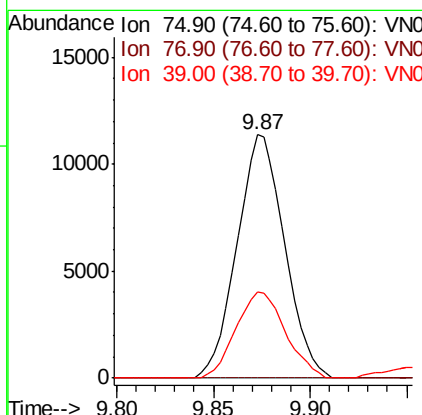
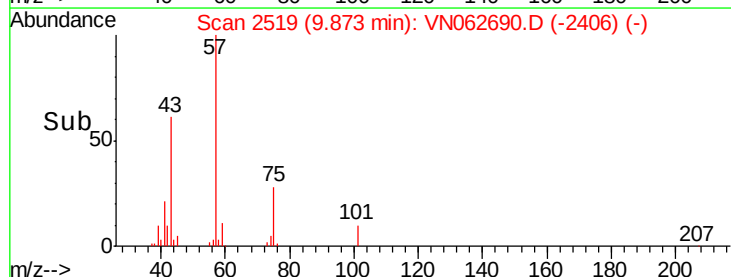
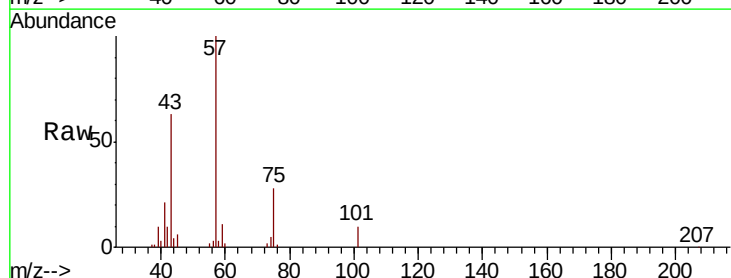
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#13

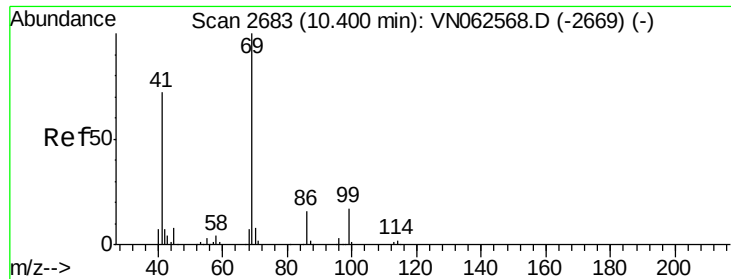
Tot Ion: 43 Resp: 5748
 Ion Ratio Lower Upper
 43 100
 58 31.8 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 5.799 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

Tgt Ion: 75 Resp: 19427
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.2 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.094 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062690.D

Acq: 31 Jul 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#13

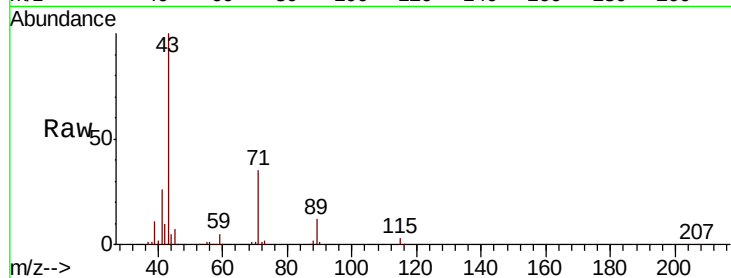
Tot Ion: 69 Resp: 1088

Ion Ratio Lower Upper

69 100

41 3917.6 57.2 85.8#

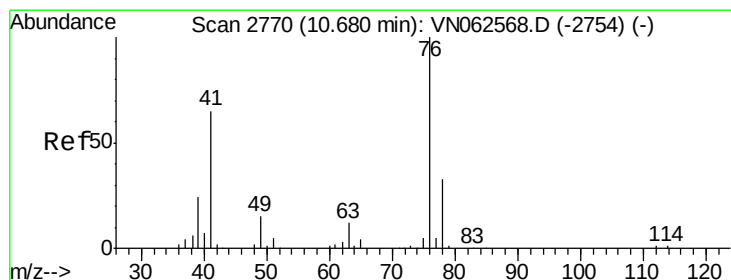
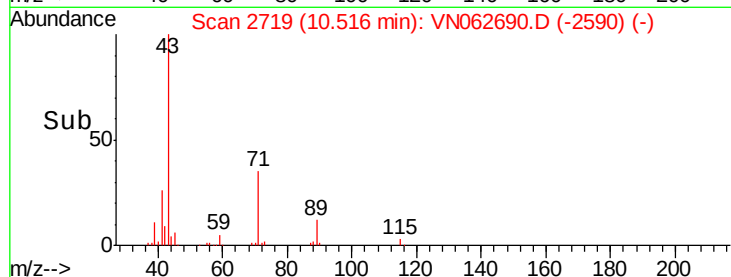
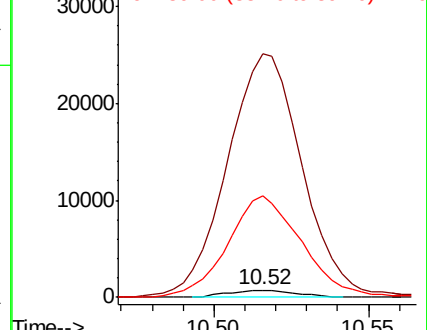
39 1603.0 28.6 43.0#



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: 1.127 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.06 min

Lab File: VN062690.D

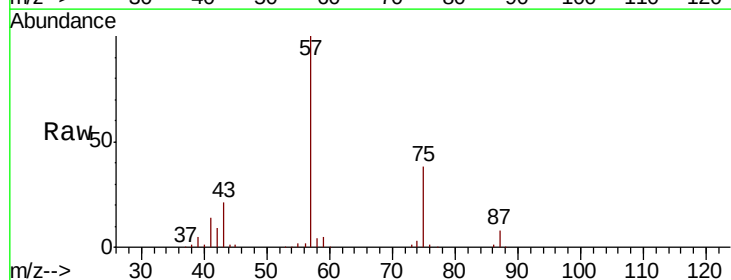
Acq: 31 Jul 2020 17:06

Tgt Ion: 76 Resp: 3711

Ion Ratio Lower Upper

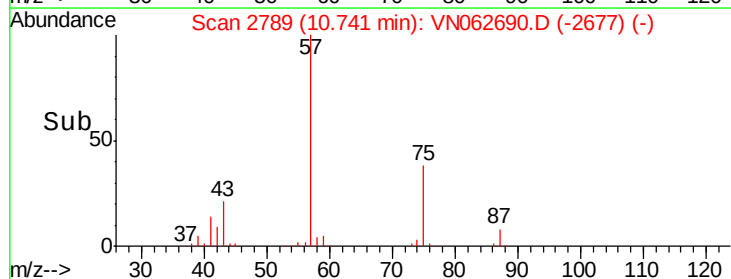
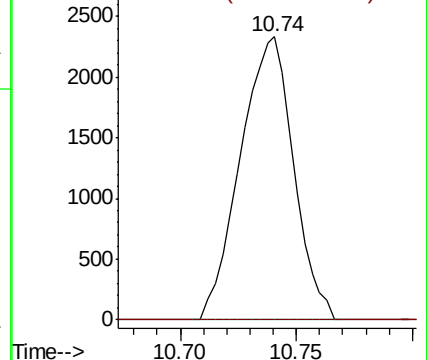
76 100

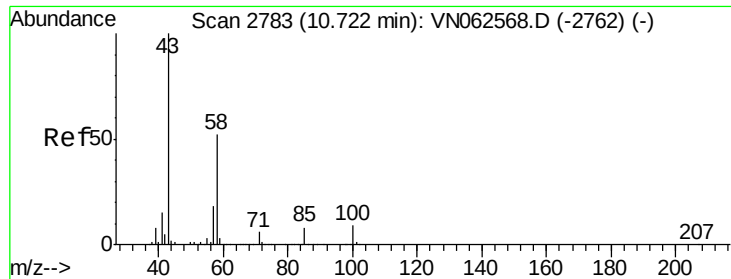
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

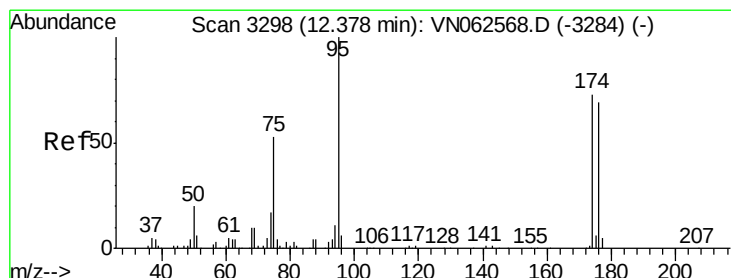
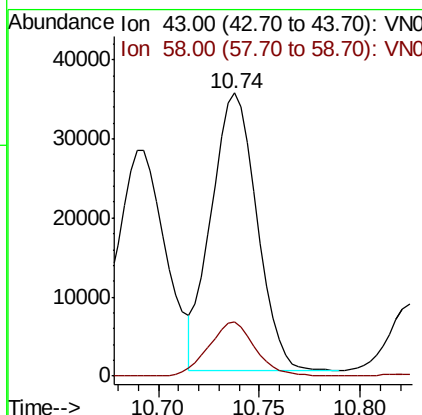
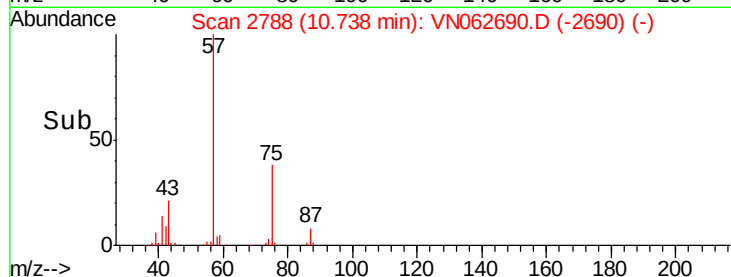
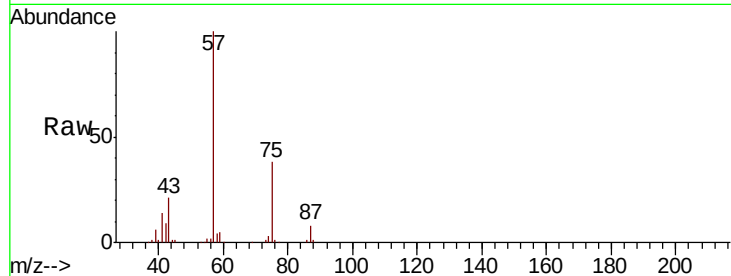




#59
2-Hexanone
Concen: 28.645 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

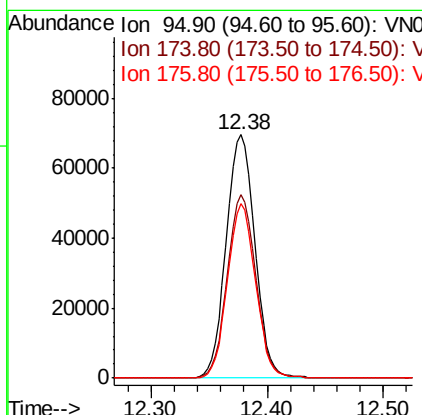
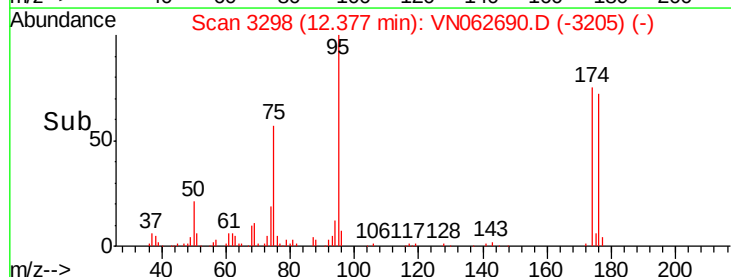
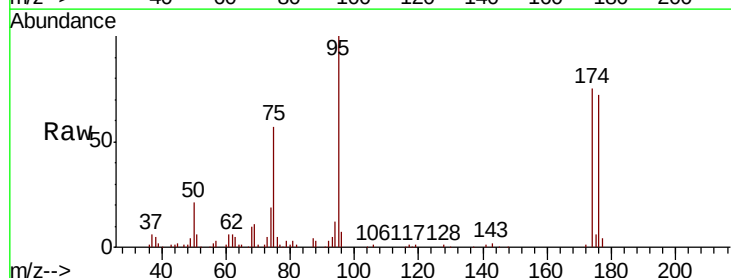
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#13

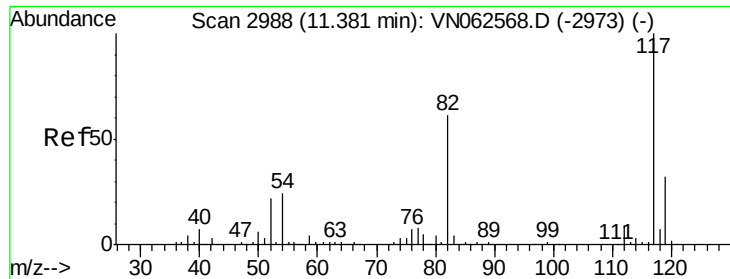
Tot Ion: 43 Resp: 55070
Ion Ratio Lower Upper
43 100
58 19.9 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 50.316 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

Tgt Ion: 95 Resp: 119186
Ion Ratio Lower Upper
95 100
174 74.7 0.0 144.6
176 70.0 0.0 139.4

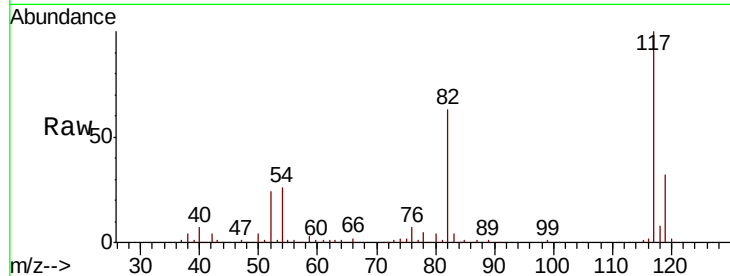




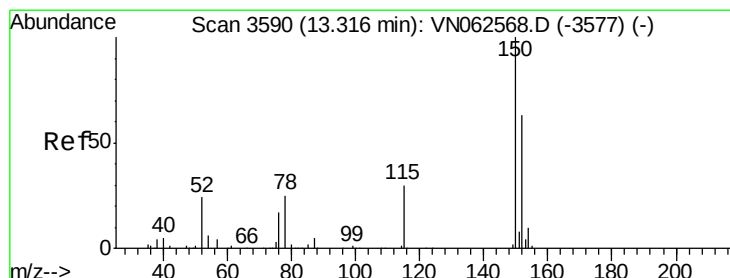
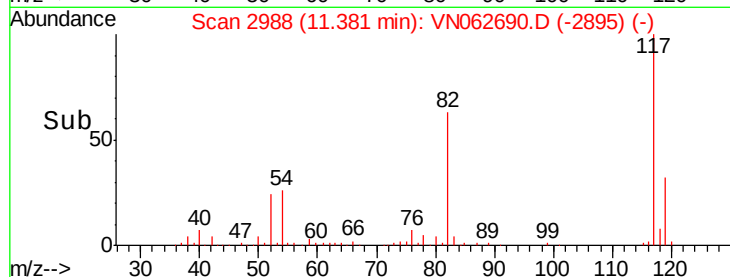
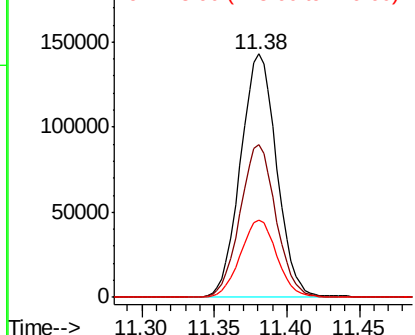
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#13

Tot Ion:117 Resp: 248660
Ion Ratio Lower Upper
117 100
82 62.8 49.0 73.6
119 31.8 25.4 38.2

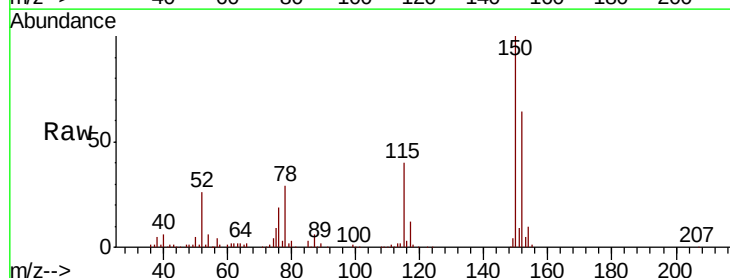


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

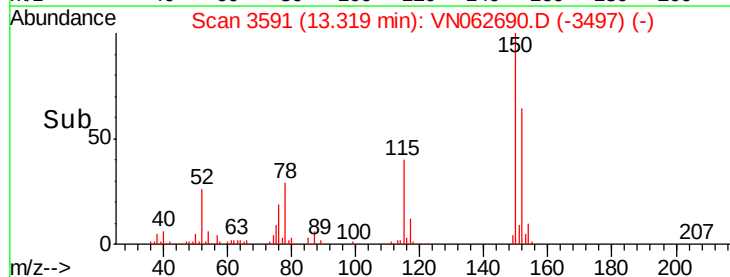
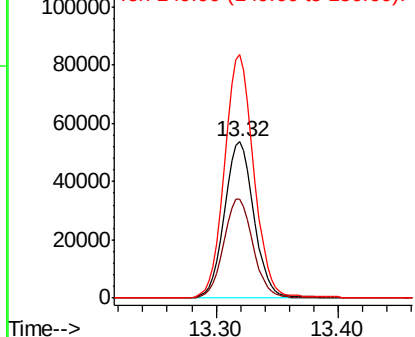


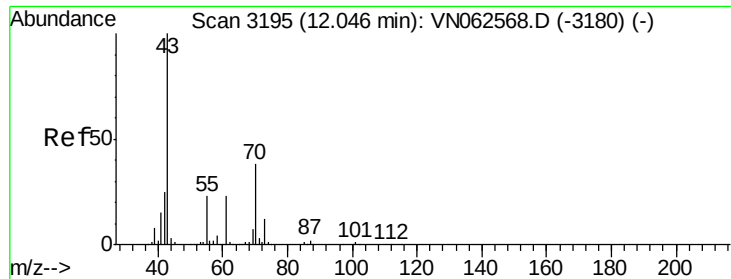
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062690.D
Acq: 31 Jul 2020 17:06

Tgt Ion:152 Resp: 91455
Ion Ratio Lower Upper
152 100
115 62.7 31.8 95.4
150 153.9 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: 0.869 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062690.D

Acq: 31 Jul 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#13

Tot Ion: 43 Resp: 2808

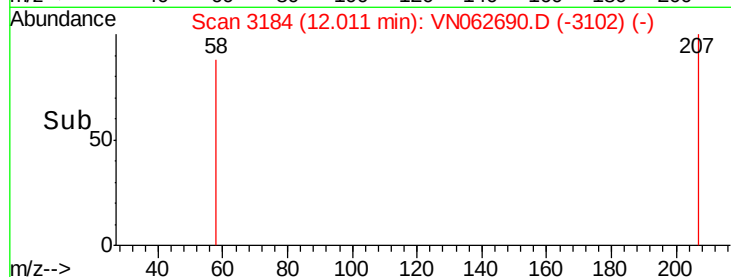
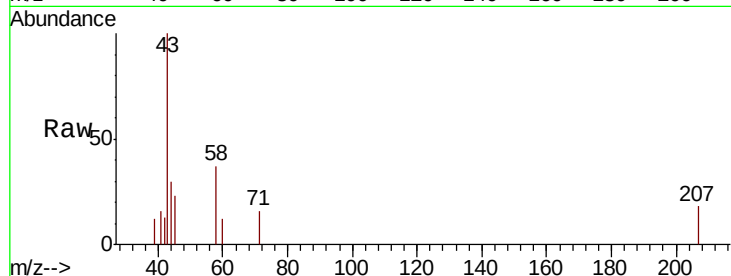
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

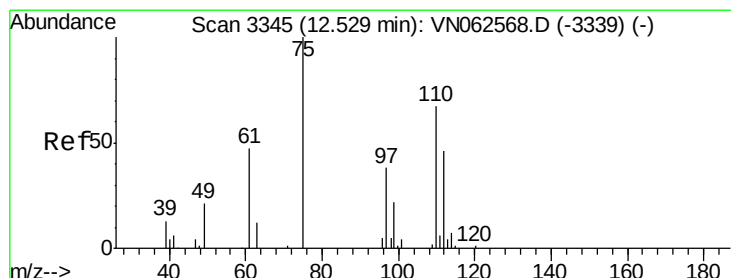
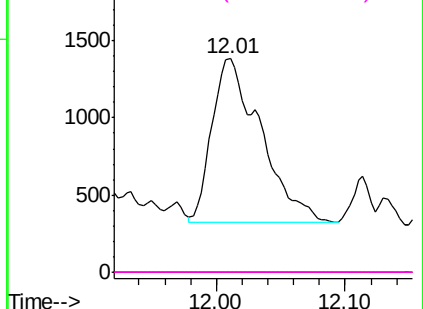


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.693 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062690.D

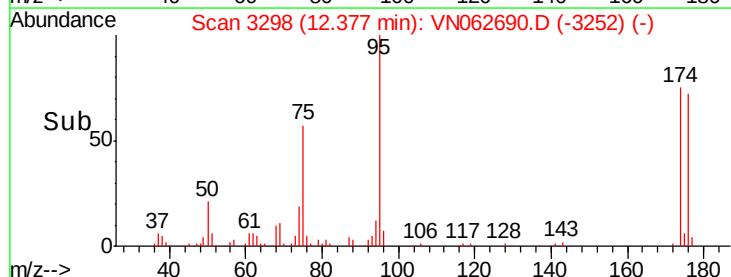
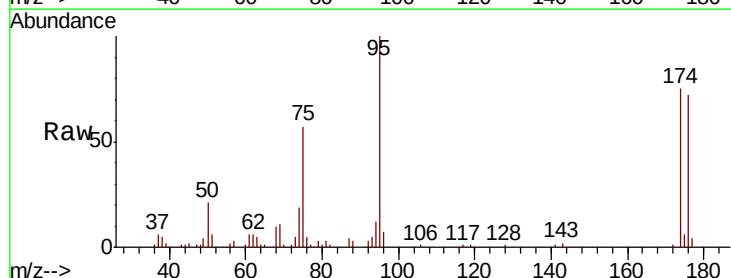
Acq: 31 Jul 2020 17:06

Tgt Ion: 75 Resp: 66793

Ion Ratio Lower Upper

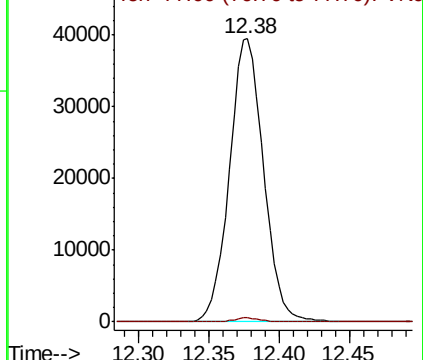
75 100

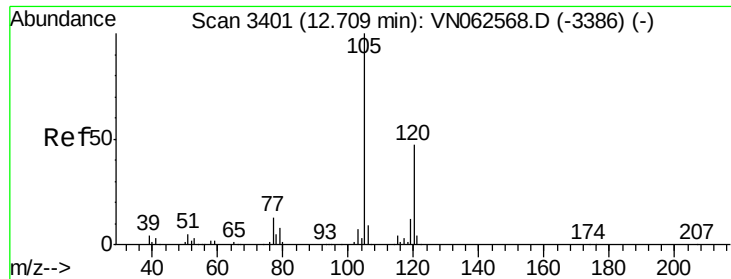
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

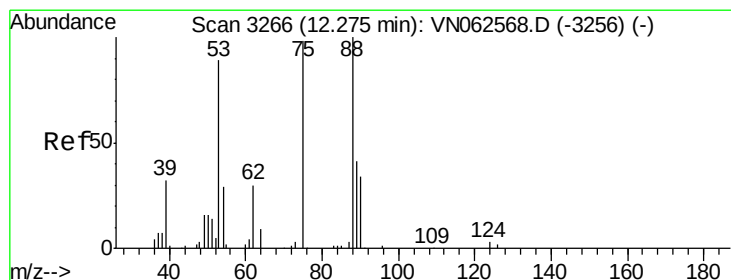
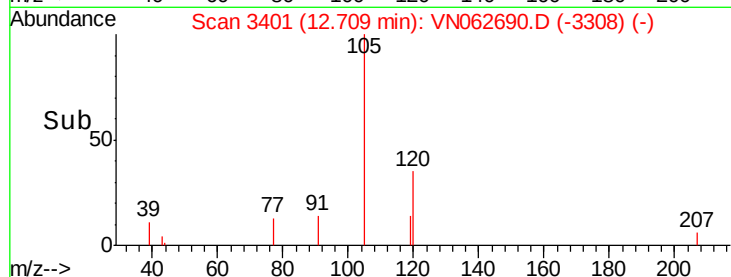
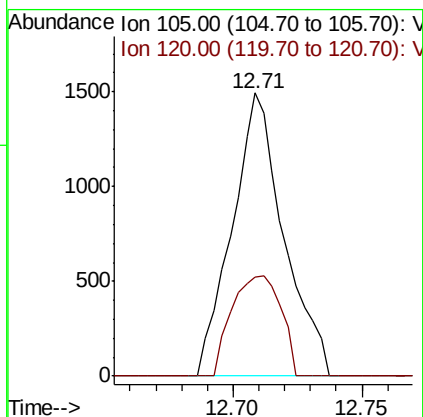
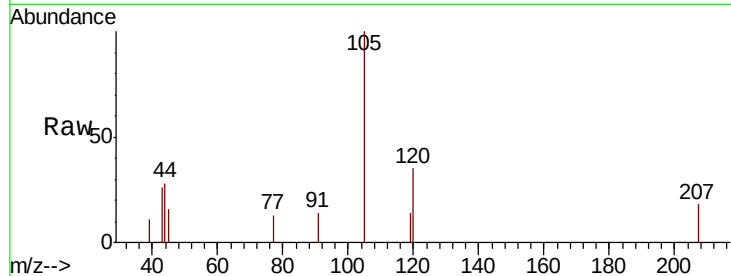




#80
 1,3,5-Trimethylbenzene
 Concen: 0.347 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#13

Tot Ion:105 Resp: 2083
 Ion Ratio Lower Upper
 105 100
 120 33.8 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.874 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062690.D
 Acq: 31 Jul 2020 17:06

Tgt Ion: 75 Resp: 66793
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

