

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072920\
 Data File : VN062644.D
 Acq On : 29 Jul 2020 10:46
 Operator : JC/MD
 Sample : VN0729MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 30 02:56:30 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	7.62	168	145001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	253259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	240582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	120256	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	7.54	113	85835	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.06	98	326502	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.38	95	110809	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds

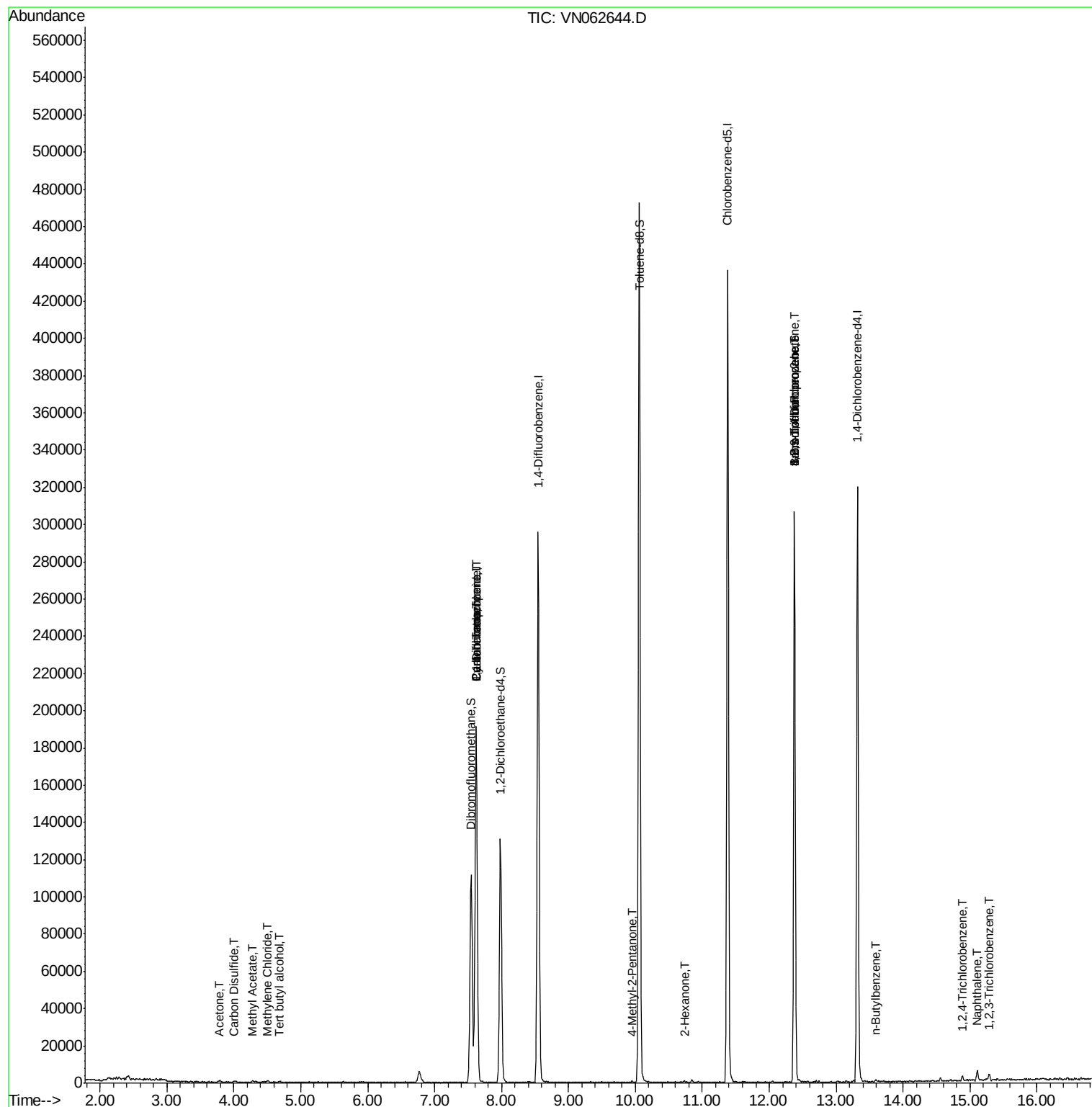
						Qvalue
11) Tert butyl alcohol	4.69	59	216	0.603	ug/l #	73
16) Acetone	3.79	43	979	1.155	ug/l #	84
17) Carbon Disulfide	4.01	76	1109	0.217	ug/l #	75
18) Methyl Acetate	4.27	43	432	0.201	ug/l #	56
20) Methylene Chloride	4.49	84	489	0.241	ug/l #	22
31) Cyclohexane	7.62	56	3892	1.173	ug/l #	22
36) 1,1-Dichloropropene	7.62	75	13363	4.950	ug/l #	46
38) Carbon Tetrachloride	7.62	117	15347	5.915	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	766	0.273	ug/l #	38
59) 2-Hexanone	10.73	43	1056	3.440	ug/l #	57
71) Bromoform	12.37	173	532	0.373	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	60372	28.451	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	60372	79.202	ug/l #	12
89) n-Butylbenzene	13.59	91	1093	0.243	ug/l #	85
93) 1,2,4-Trichlorobenzene	14.89	180	918	3.720	ug/l #	86
94) Hexachlorobutadiene	14.99	225	176	Below Cal		65
95) Naphthalene	15.11	128	4997	5.008	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.28	180	1271	1.015	ug/l	81

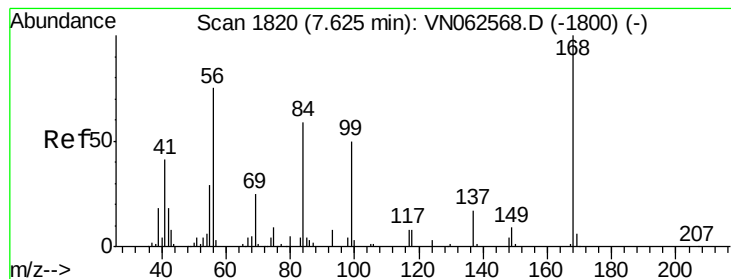
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062644.D

Acq: 29 Jul 2020 10:46

Instrument :

MSVOA_N

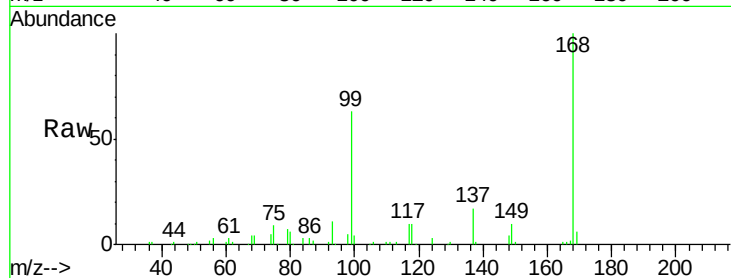
ClientSampleId :

Tot Ion:168 Resp: 145001

Ion Ratio Lower Upper

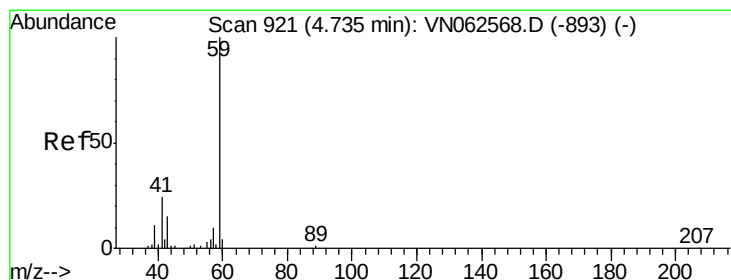
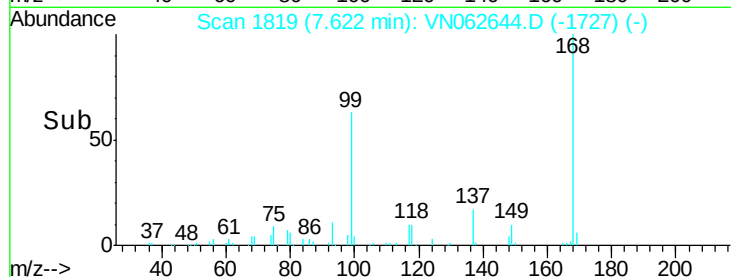
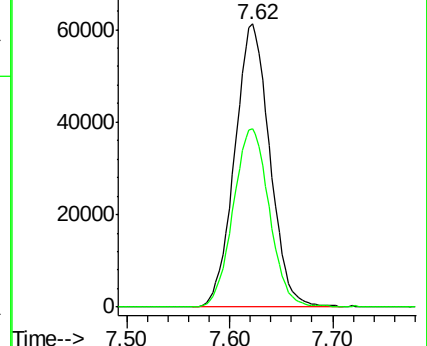
168 100

99 63.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062568.D (-1800) (-)

Ion 98.90 (98.60 to 99.60): VN062568.D (-1800) (-)



#11

Tert butyl alcohol

Concen: 0.603 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.04 min

Lab File: VN062644.D

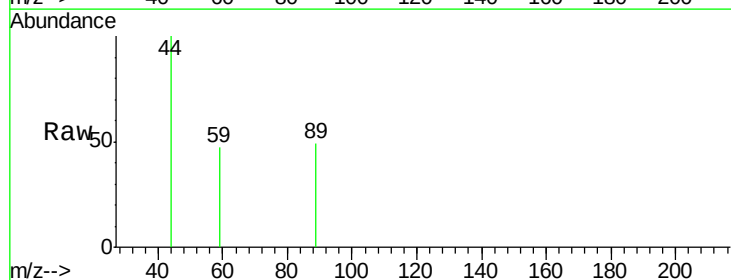
Acq: 29 Jul 2020 10:46

Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

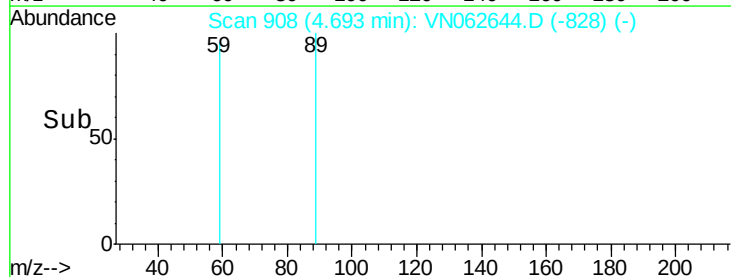
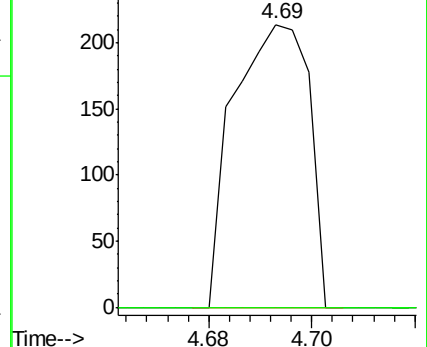
59 100

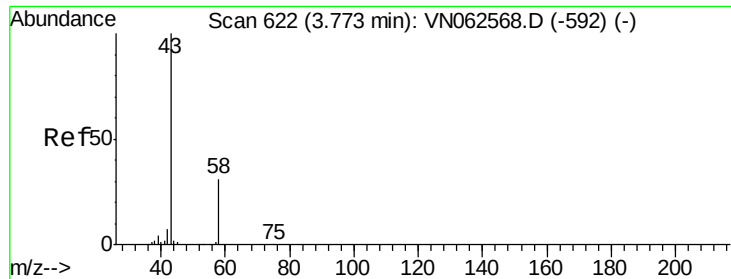
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN062568.D (-893) (-)

Ion 57.00 (56.70 to 57.70): VN062568.D (-893) (-)

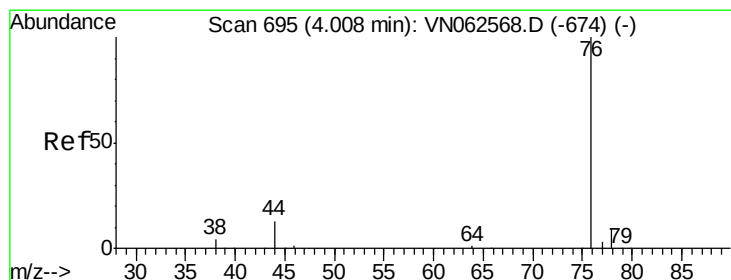
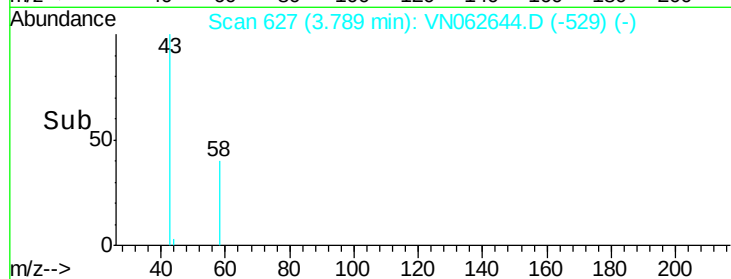
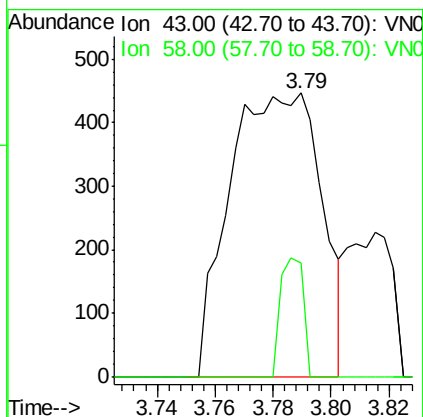
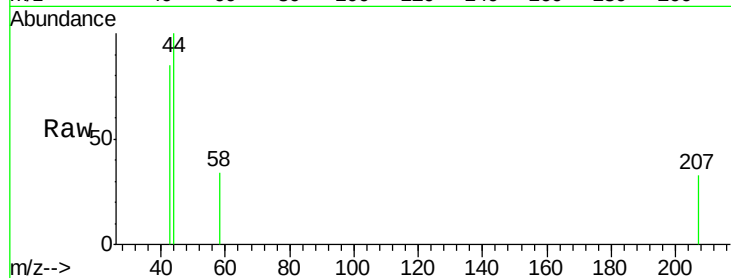




#16
Acetone
Concen: 1.155 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.02 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

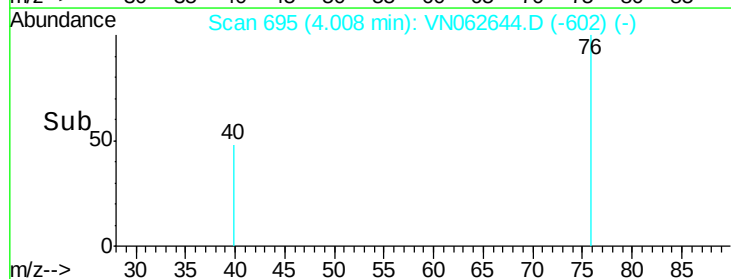
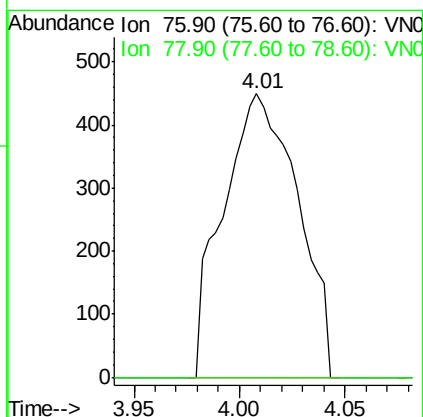
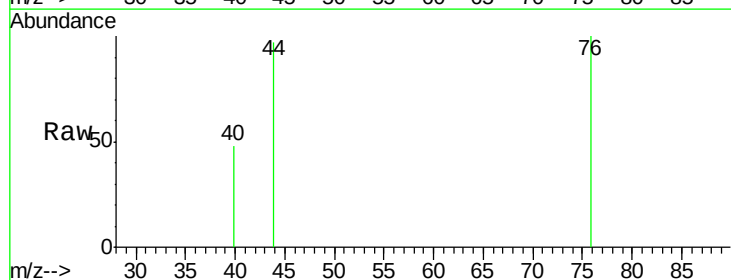
Instrument :
MSVOA_N
ClientSampleId :

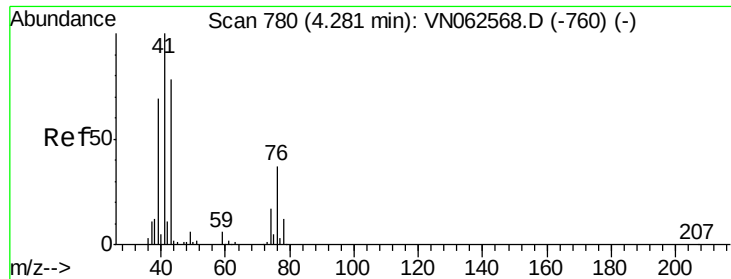
Tot Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 39.8 24.6 37.0#



#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

Tgt Ion: 76 Resp: 1109
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

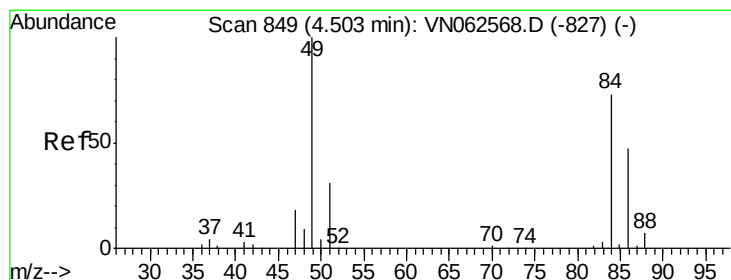
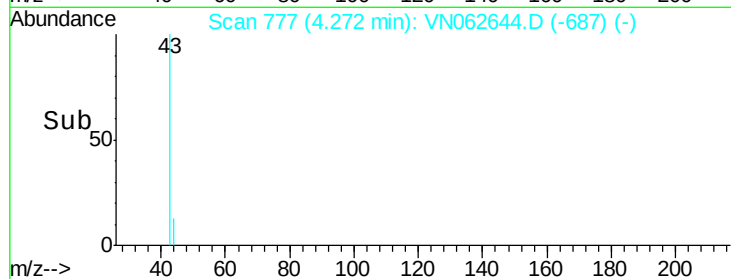
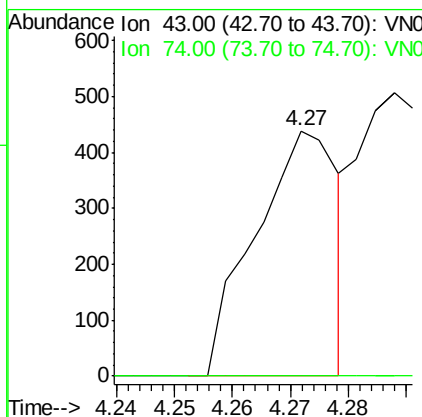
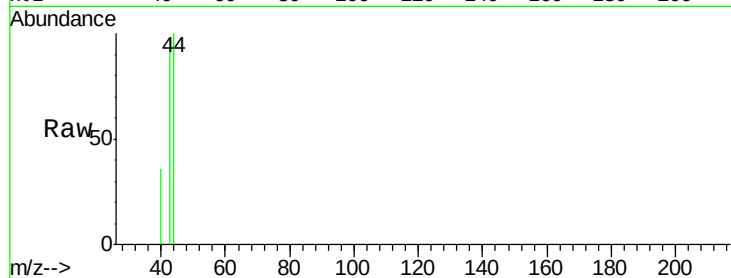




#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

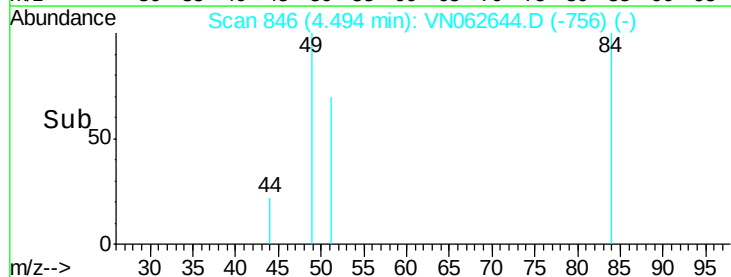
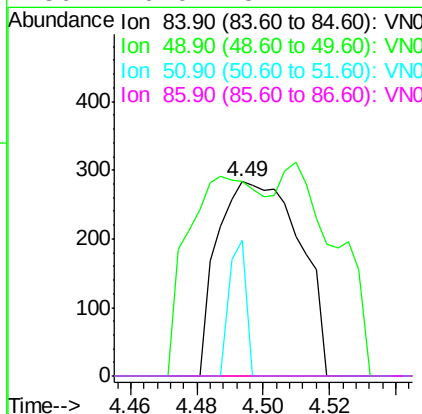
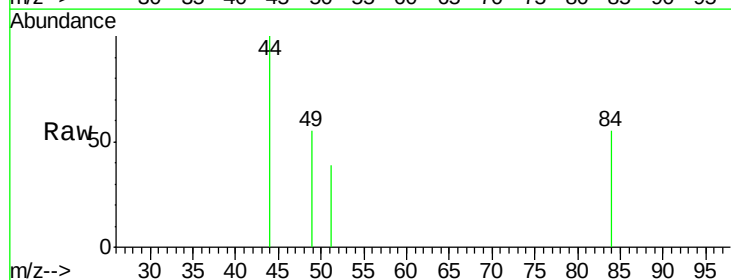
Instrument :
MSVOA_N
ClientSampleId :

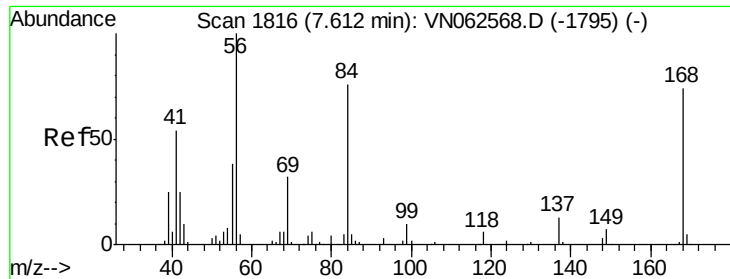
Tot Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 0.241 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

Tgt Ion: 84 Resp: 489
Ion Ratio Lower Upper
84 100
49 33.9 109.4 164.0#
51 70.0 33.6 50.4#
86 0.0 51.4 77.2#

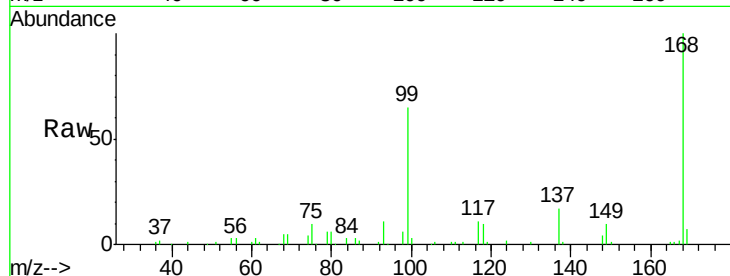




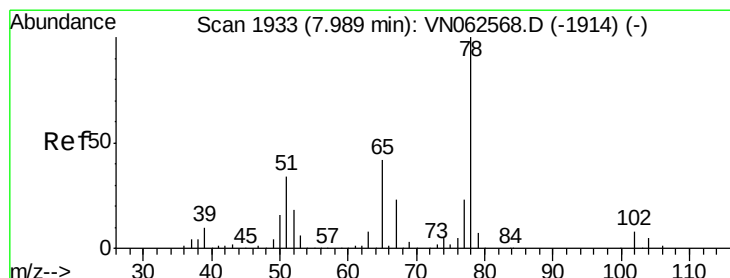
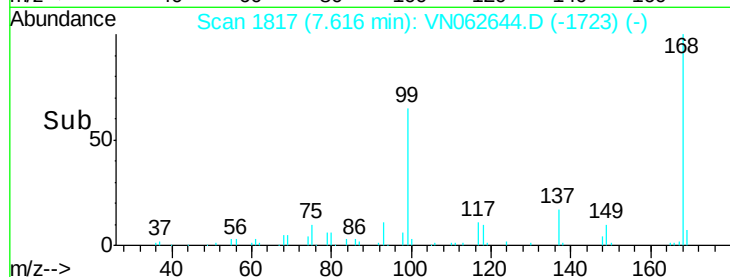
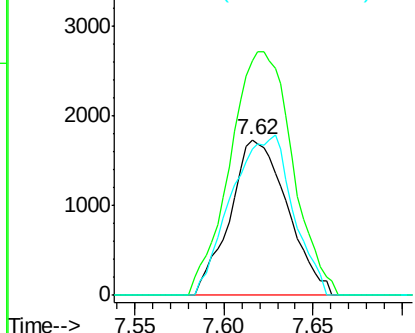
#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3892
Ion Ratio Lower Upper
56 100
69 150.6 25.3 37.9#
84 94.6 61.0 91.4#

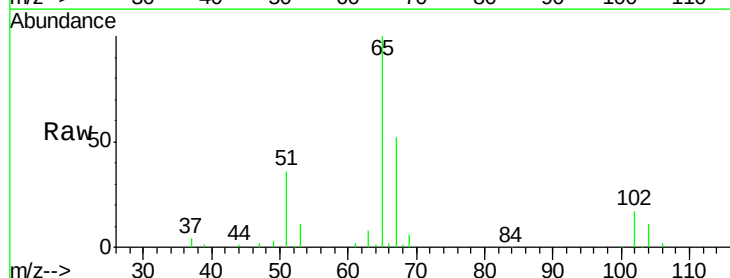


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

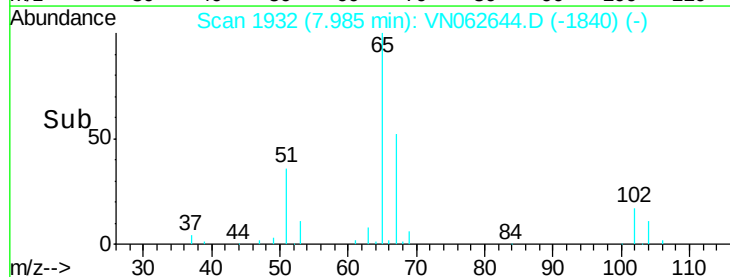
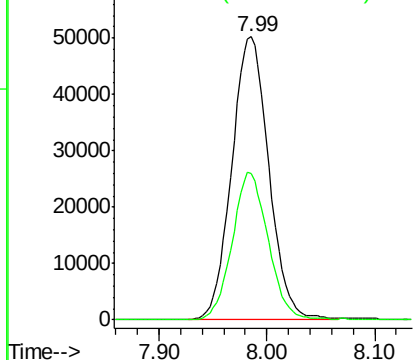


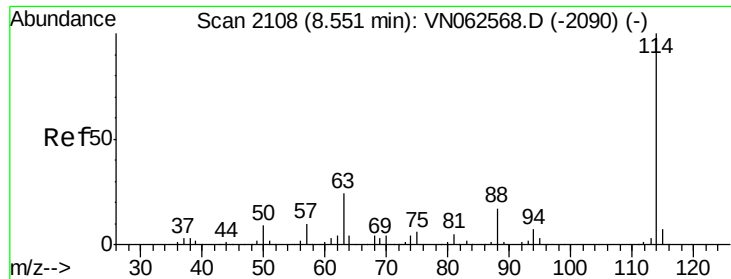
#33
1,2-Dichloroethane-d4
Concen: 53.387 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

Tgt Ion: 65 Resp: 120256
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.0



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

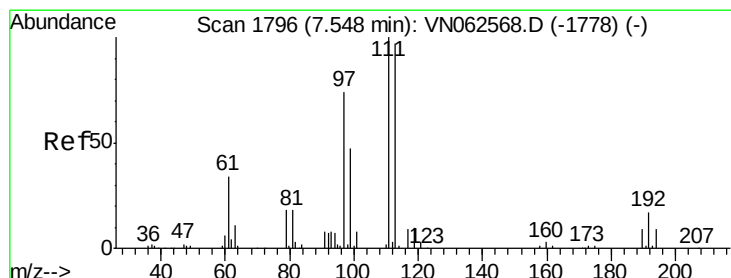
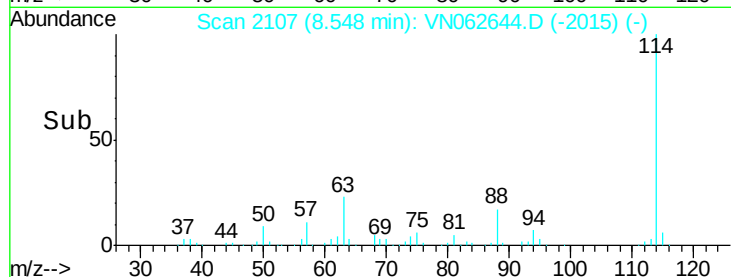
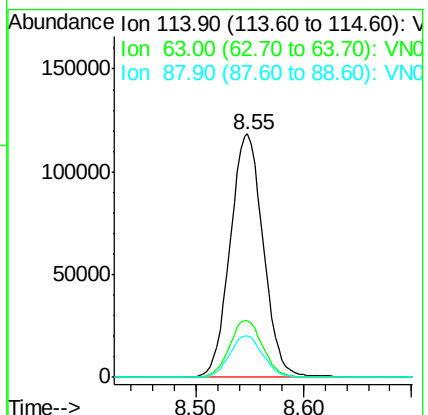
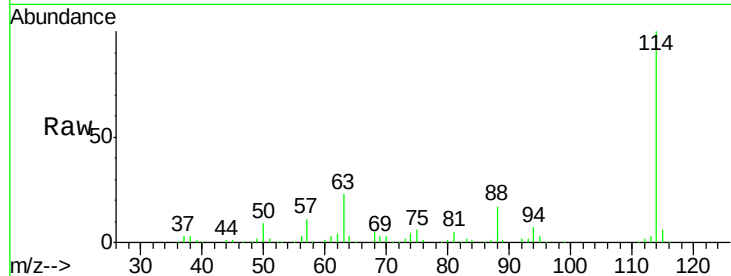




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062644.D
 Acq: 29 Jul 2020 10:46

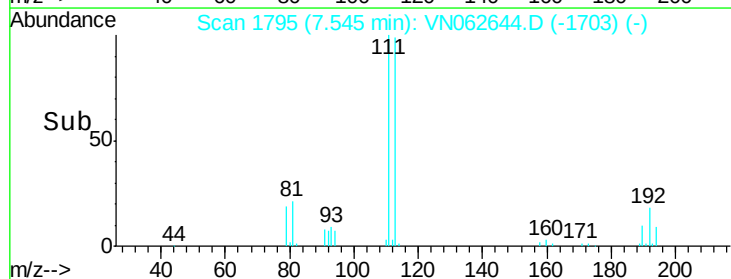
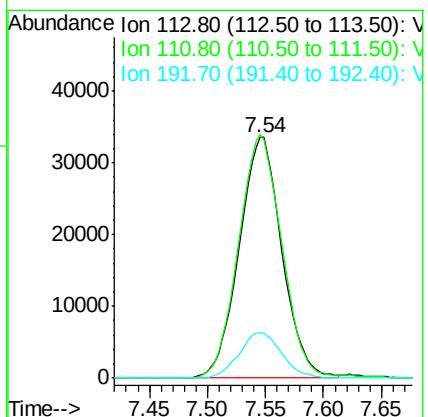
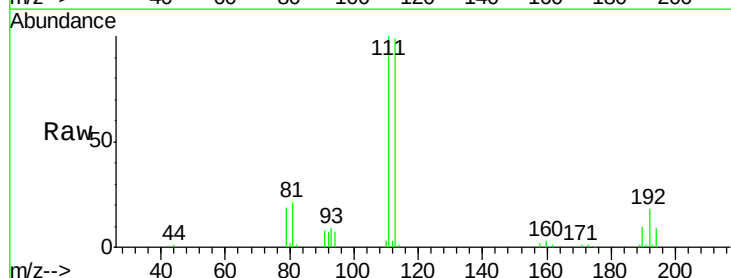
Instrument :
 MSVOA_N
 ClientSampleId :

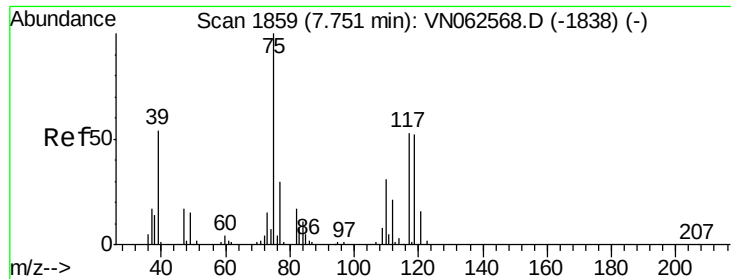
Tot Ion:114 Resp: 253259
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.4
 88 17.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 51.598 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062644.D
 Acq: 29 Jul 2020 10:46

Tgt Ion:113 Resp: 85835
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 18.7 14.8 22.2

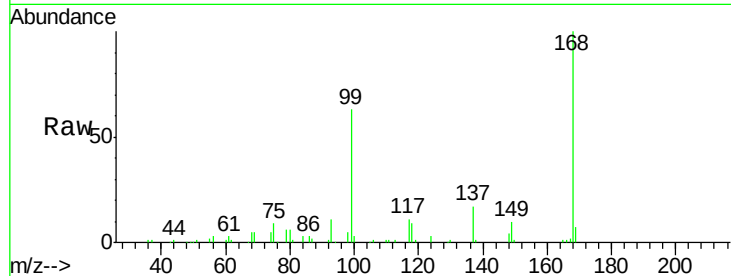




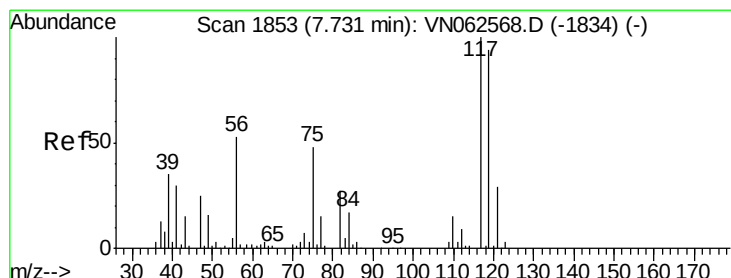
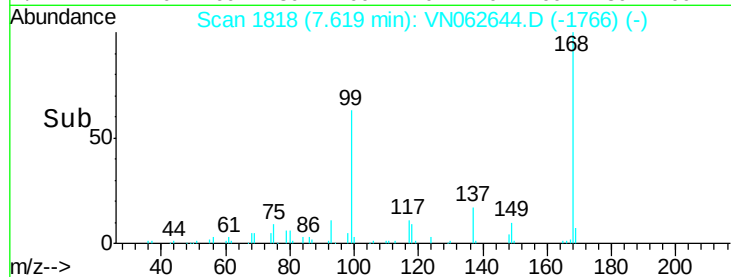
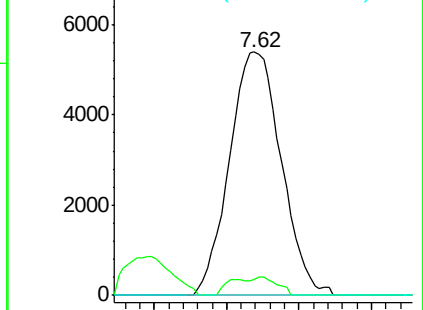
#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN062644.D
 Acq: 29 Jul 2020 10:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	13363
Ion Ratio	Lower	Upper	
75	100		
110	3.6	16.0	48.0#
77	0.0	24.6	36.8#

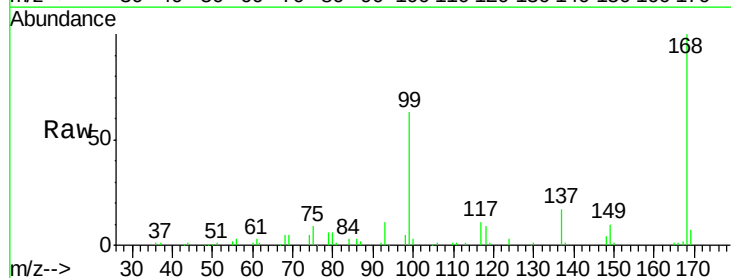


Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-1838) (-)

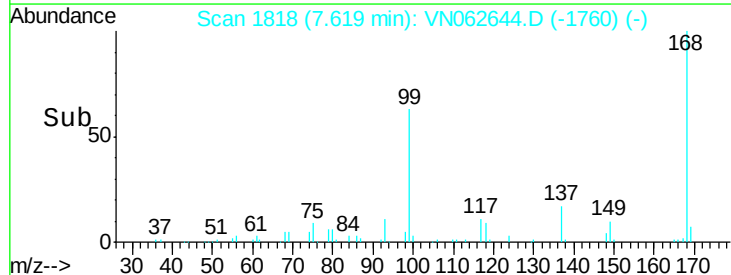
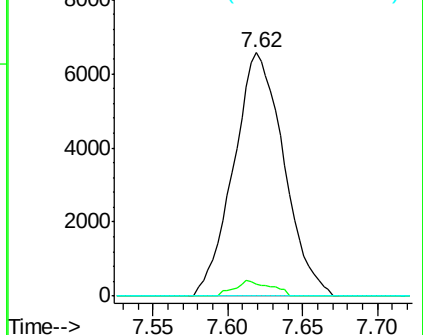


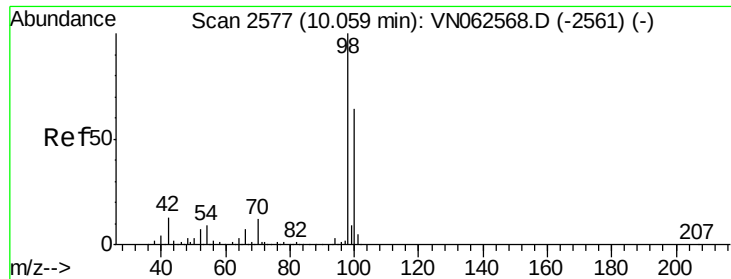
#38
 Carbon Tetrachloride
 Concen: 5.915 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.11 min
 Lab File: VN062644.D
 Acq: 29 Jul 2020 10:46

Tgt Ion	117	Resp	15347
Ion Ratio	Lower	Upper	
117	100		
119	5.1	74.8	112.2#
121	0.0	23.0	34.6#



Abundance Ion 116.80 (116.50 to 117.50): VN062568.D (-1834) (-)





#50

Toluene-d8

Concen: 49.191 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062644.D

Acq: 29 Jul 2020 10:46

Instrument :

MSVOA_N

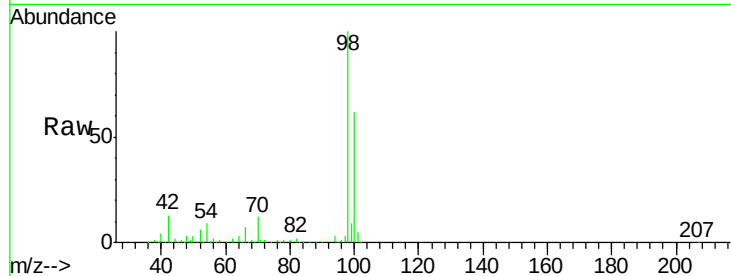
ClientSampled :

Tot Ion: 98 Resp: 326502

Ion Ratio Lower Upper

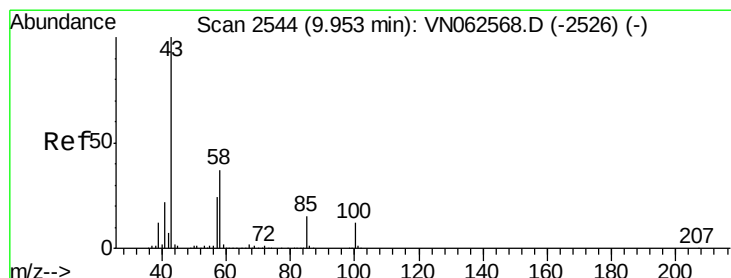
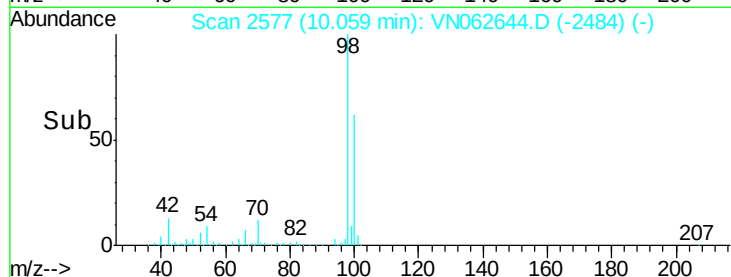
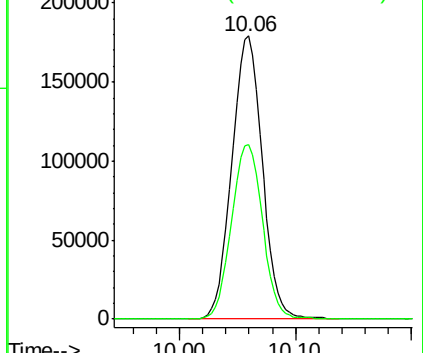
98 100

100 62.9 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: 0.273 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062644.D

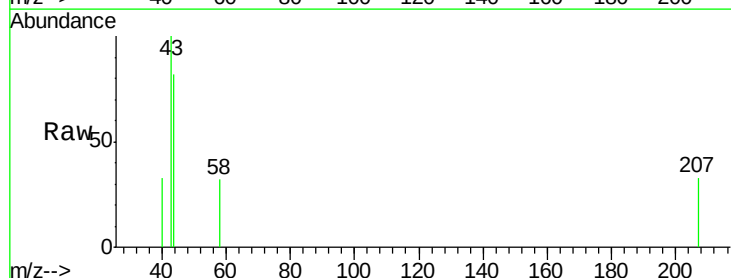
Acq: 29 Jul 2020 10:46

Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

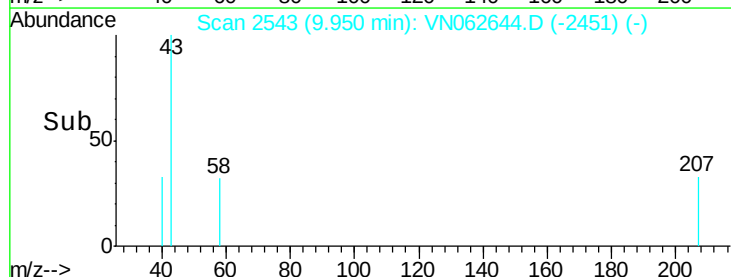
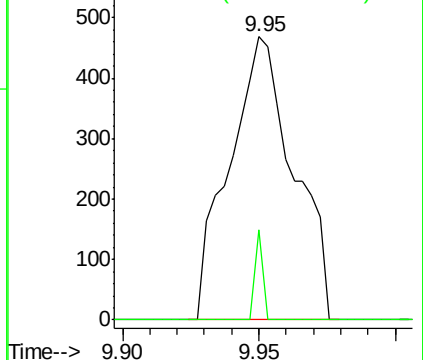
43 100

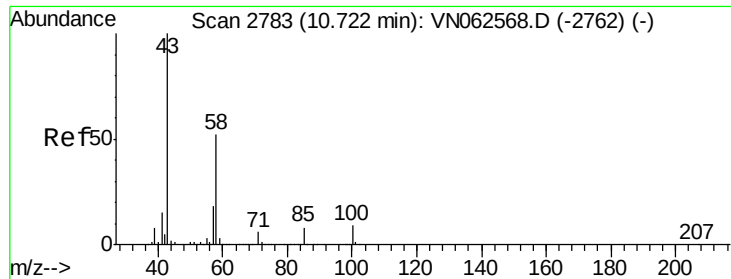
58 0.0 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#59

2-Hexanone

Concen: 3.440 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN062644.D

Acq: 29 Jul 2020 10:46

Instrument :

MSVOA_N

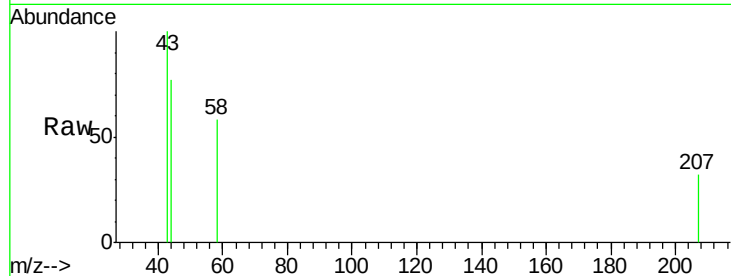
ClientSampled :

Tot Ion: 43 Resp: 1056

Ion Ratio Lower Upper

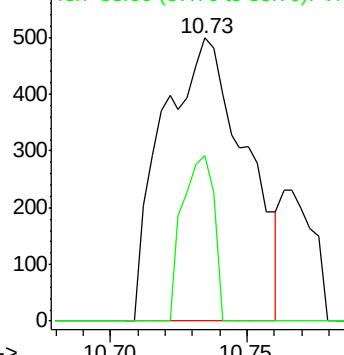
43 100

58 22.0 26.0 78.0#

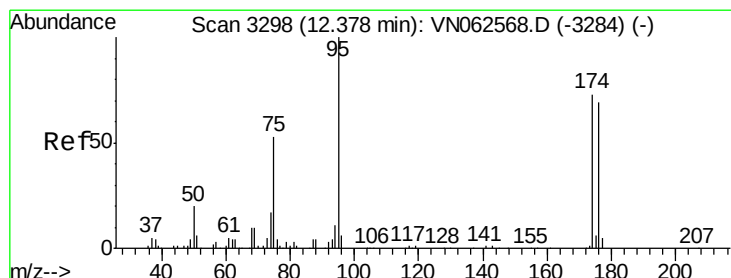
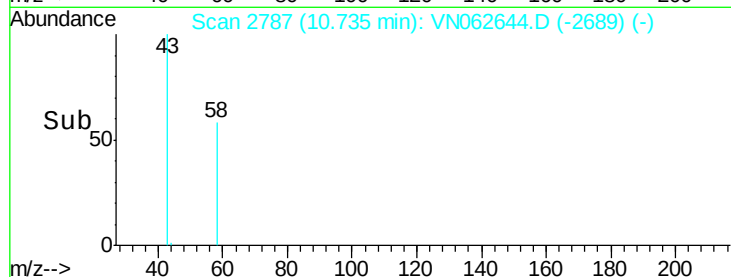


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 45.658 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062644.D

Acq: 29 Jul 2020 10:46

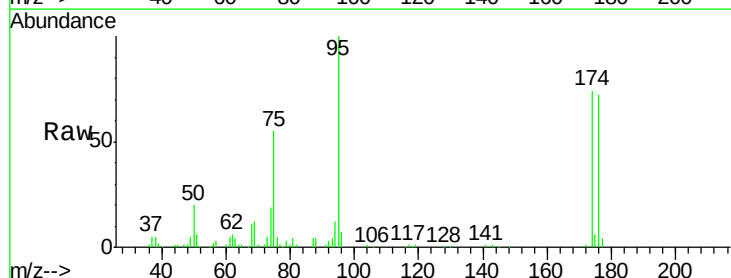
Tgt Ion: 95 Resp: 110809

Ion Ratio Lower Upper

95 100

174 72.1 0.0 144.6

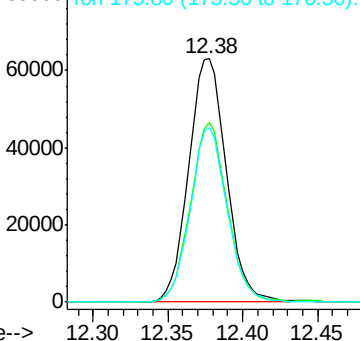
176 69.9 0.0 139.4



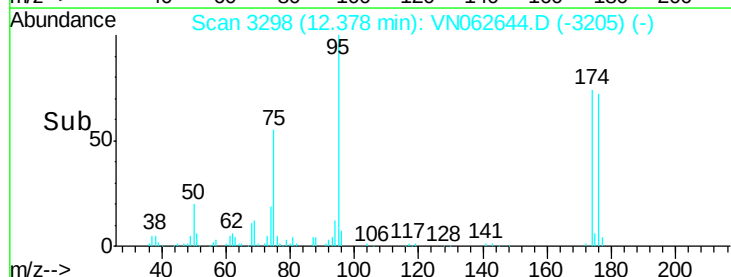
Abundance Ion 94.90 (94.60 to 95.60): VN0

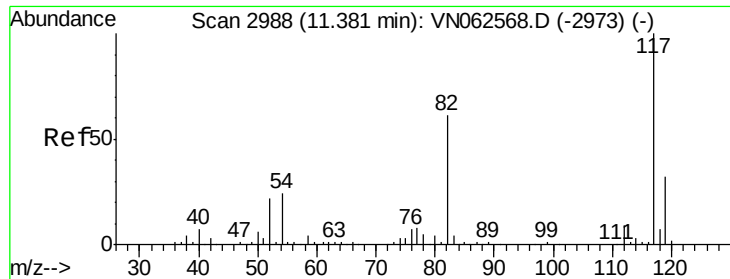
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

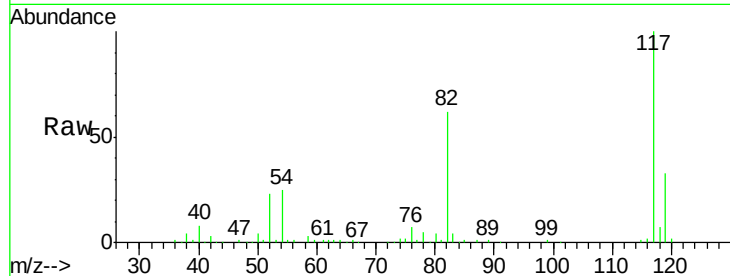




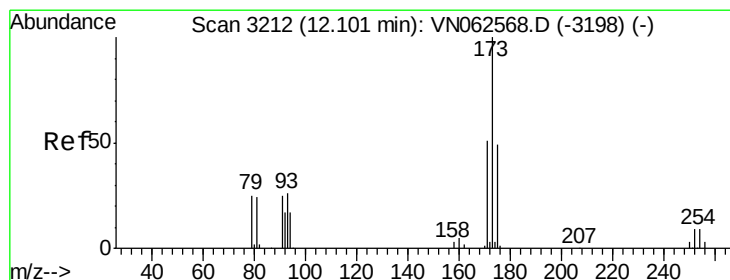
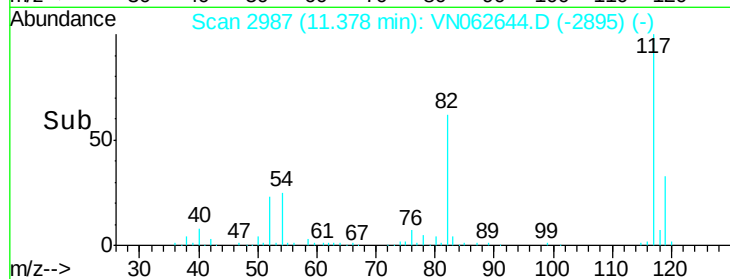
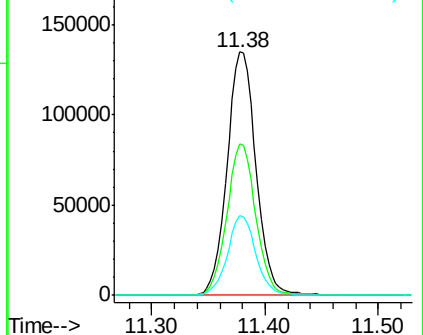
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 240582
Ion Ratio Lower Upper
117 100
82 62.3 49.0 73.6
119 32.6 25.4 38.2

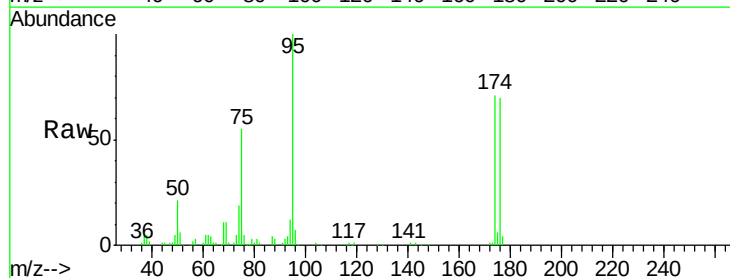


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

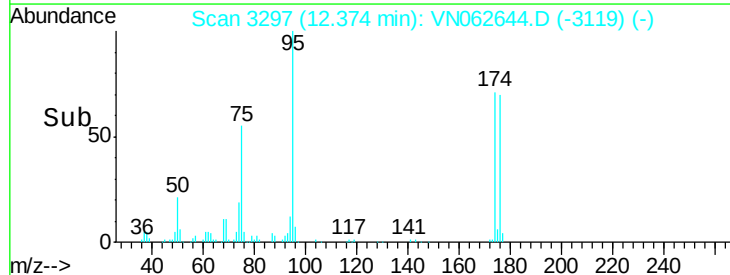
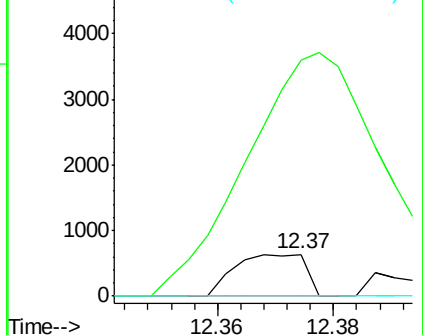


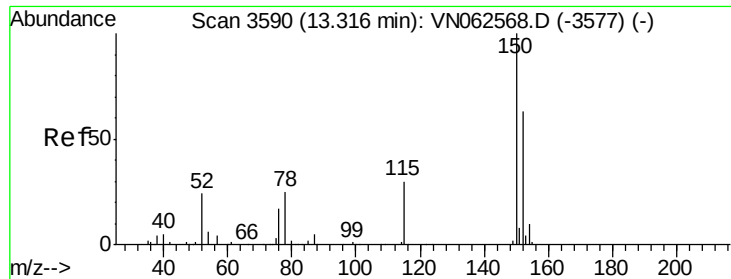
#71
Bromoform
Concen: 0.373 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062644.D
Acq: 29 Jul 2020 10:46

Tgt Ion:173 Resp: 532
Ion Ratio Lower Upper
173 100
175 979.3 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: VN062644.D

Acq: 29 Jul 2020 10:46

Instrument :

MSVOA_N

ClientSampled :

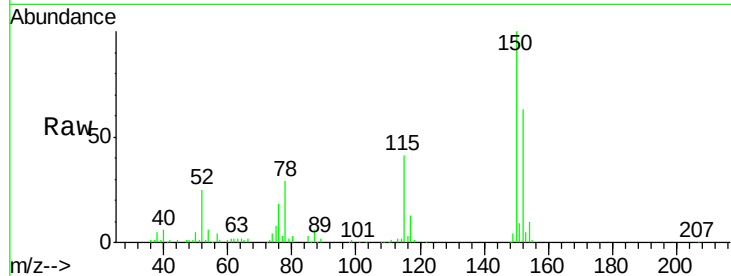
Tot Ion:152 Resp: 83365

Ion Ratio Lower Upper

152 100

115 65.3 31.8 95.4

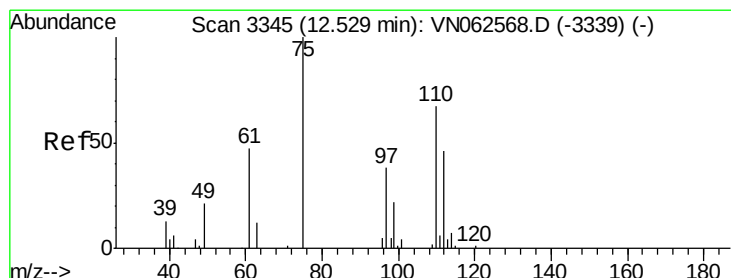
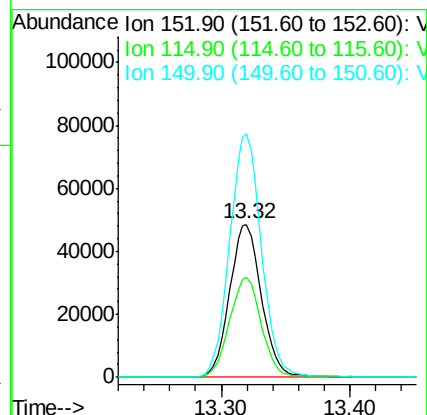
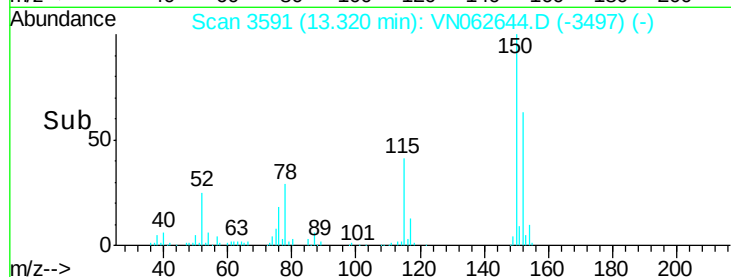
150 159.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 28.451 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062644.D

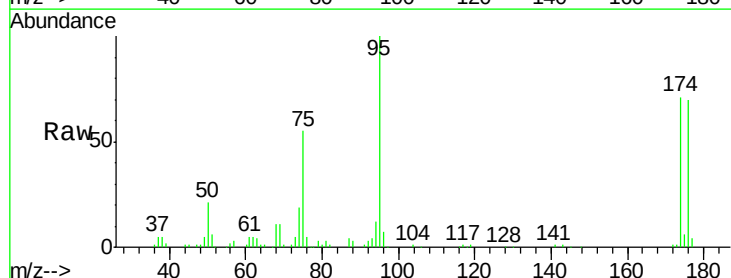
Acq: 29 Jul 2020 10:46

Tgt Ion: 75 Resp: 60372

Ion Ratio Lower Upper

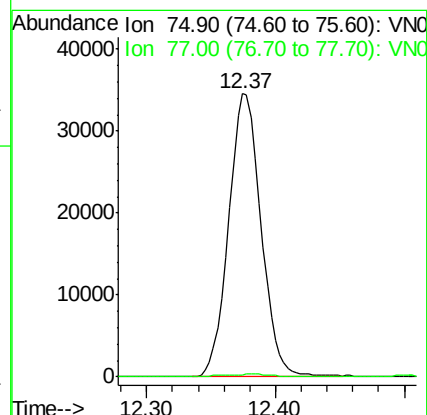
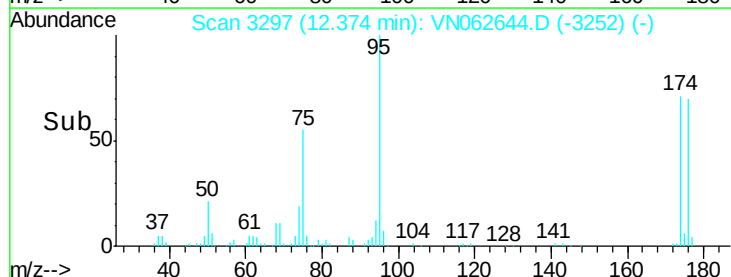
75 100

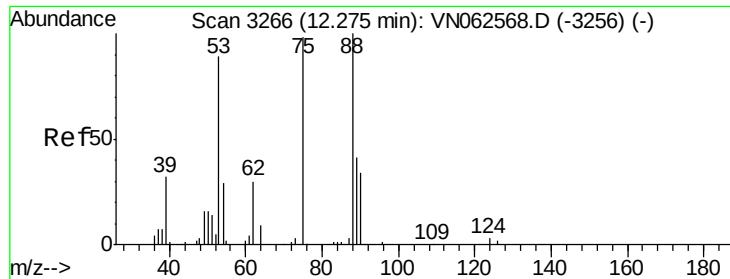
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 79.202 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062644.D

Acq: 29 Jul 2020 10:46

Instrument :

MSVOA_N

ClientSampleId :

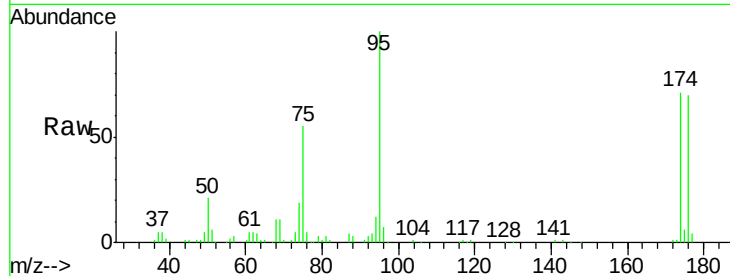
Tot Ion: 75 Resp: 60372

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

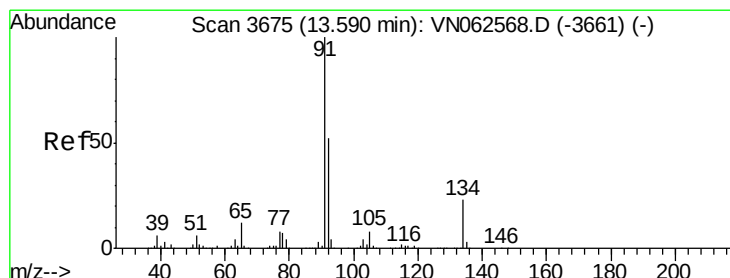
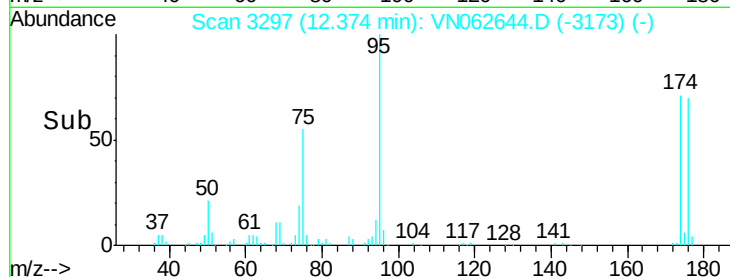
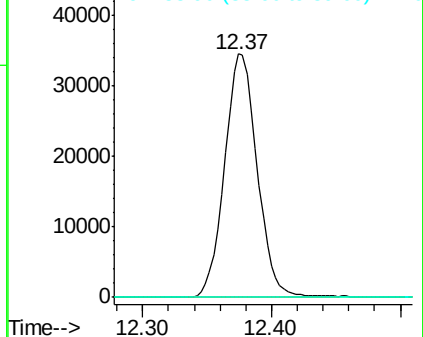
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#89

n-Butylbenzene

Concen: 0.243 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062644.D

Acq: 29 Jul 2020 10:46

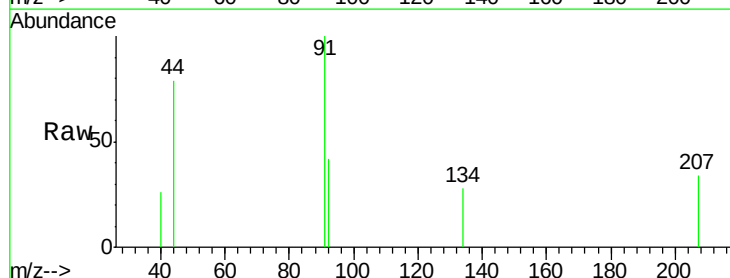
Tgt Ion: 91 Resp: 1093

Ion Ratio Lower Upper

91 100

92 46.4 25.8 77.3

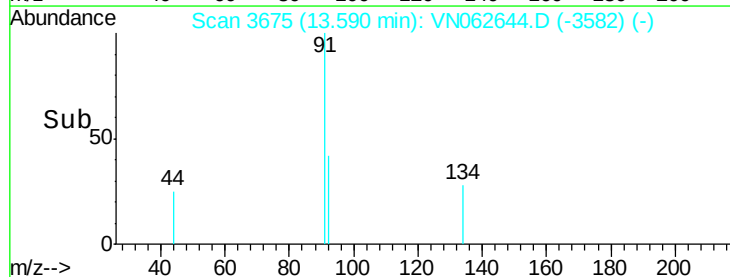
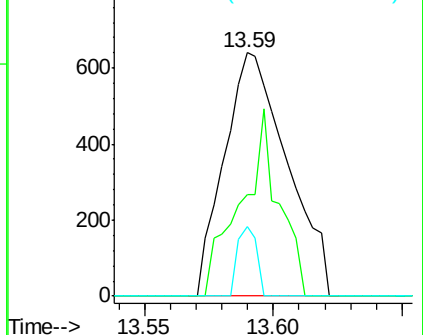
134 8.6 11.8 35.3#

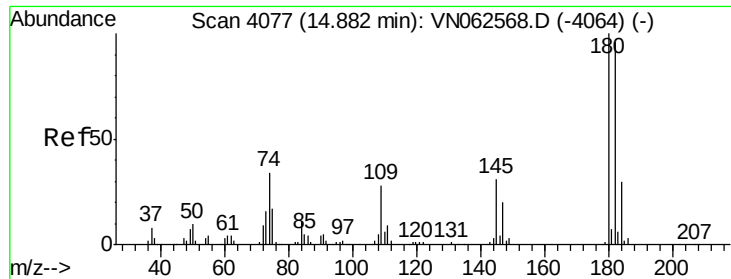


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

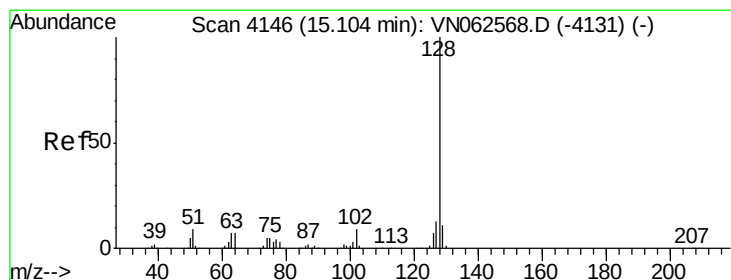
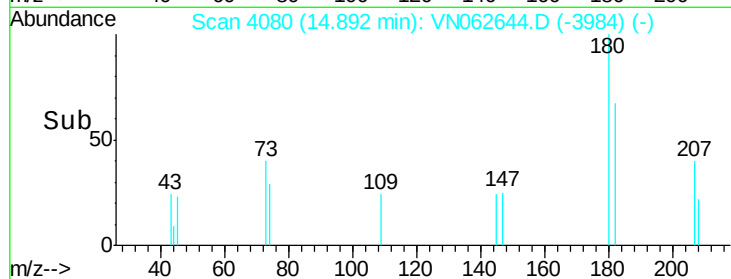
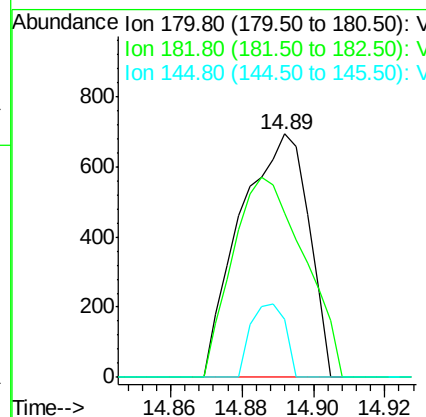
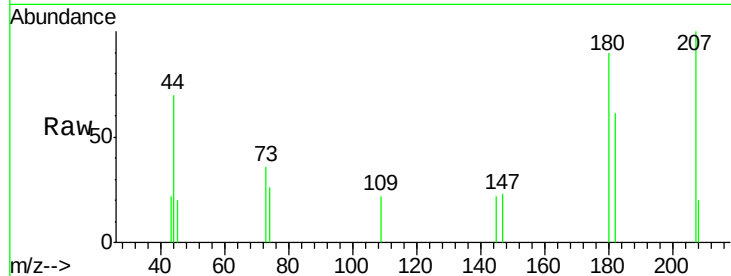




#93
 1,2,4-Trichlorobenzene
 Concen: 3.720 ug/l
 RT: 14.89 min Scan# 4080
 Delta R.T. 0.01 min
 Lab File: VN062644.D
 Acq: 29 Jul 2020 10:46

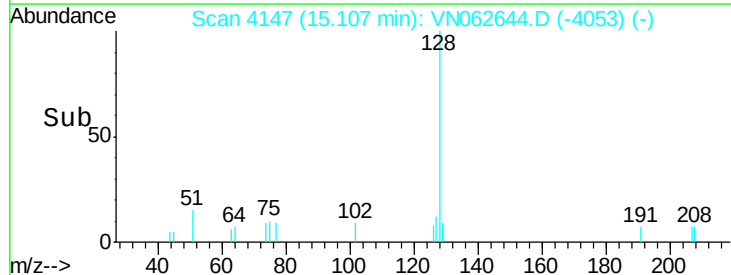
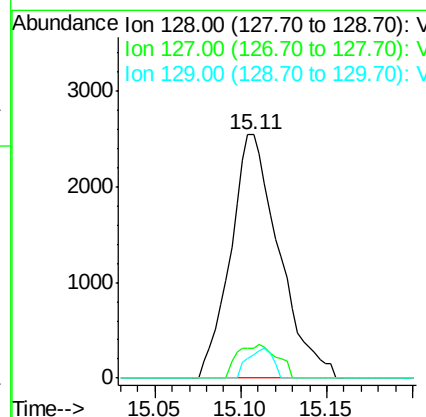
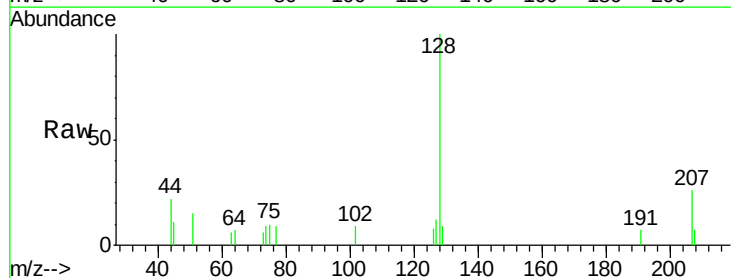
Instrument :
 MSVOA_N
 ClientSampleId :

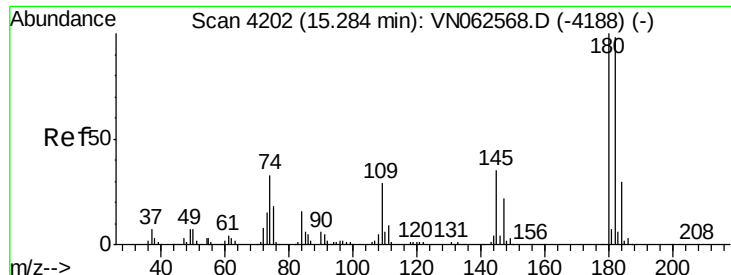
Tot Ion:180 Resp: 918
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.8 143.3
 145 15.3 15.3 45.9#



#95
 Naphthalene
 Concen: 5.008 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062644.D
 Acq: 29 Jul 2020 10:46

Tgt Ion:128 Resp: 4997
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.4 15.6
 129 6.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.015 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN062644.D
 Acq: 29 Jul 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1271
 Ion Ratio Lower Upper
 180 100
 182 116.8 48.1 144.3
 145 24.9 16.7 50.1

