

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062375.D
 Acq On : 6 Jul 2020 20:19
 Operator : JC/MD
 Sample : PB124463TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB124463TB

Quant Time: Jul 07 05:20:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	992193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1807140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1725987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	648420	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	900437	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.34%		
35) Dibromofluoromethane	7.55	113	600240	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.38%		
50) Toluene-d8	10.06	98	2318478	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.62%		
62) 4-Bromofluorobenzene	12.38	95	825668	46.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.56%		

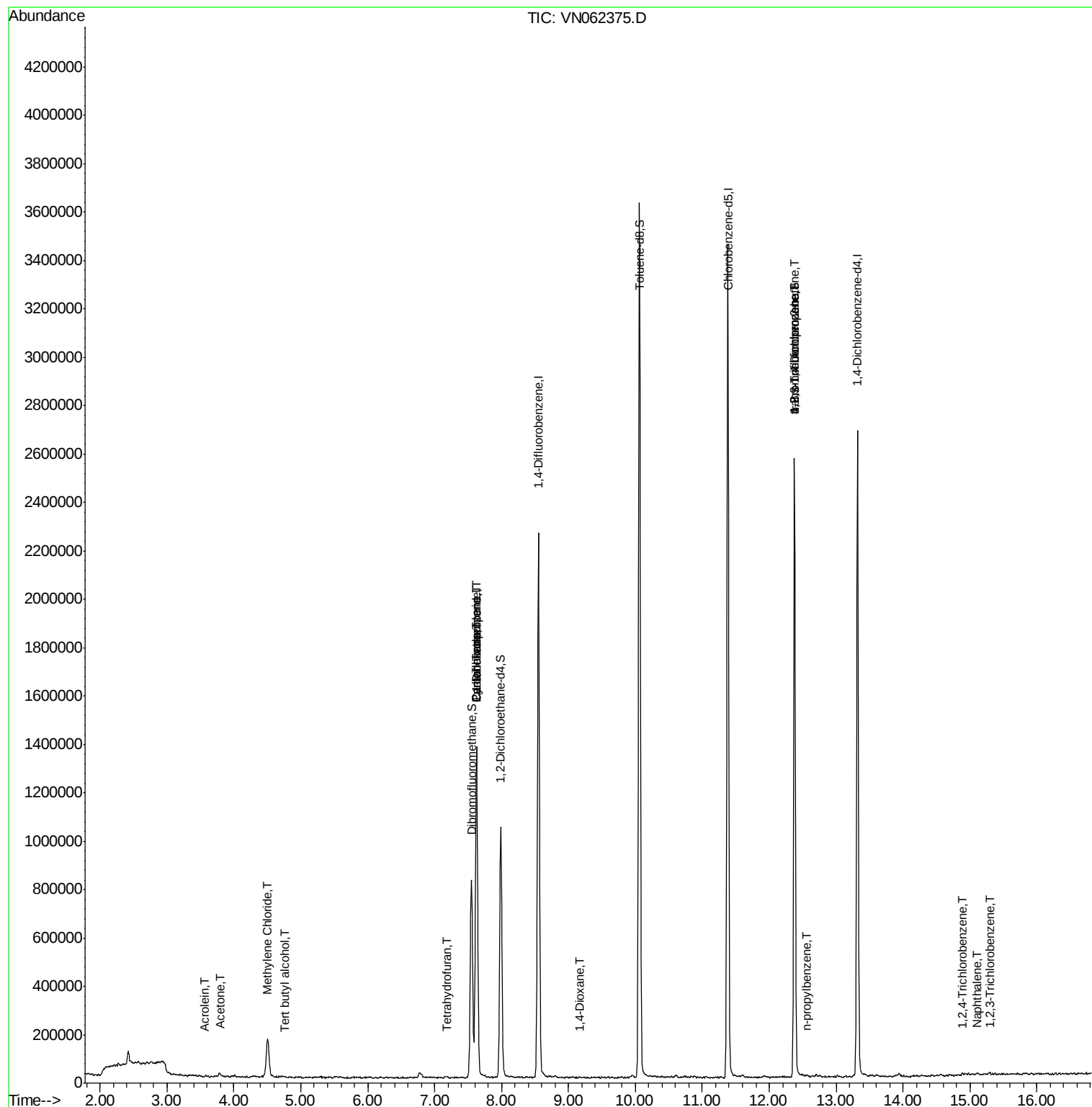
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	852	0.343	ug/l #	1
13) Acrolein	3.56	56	705	1.004	ug/l #	65
16) Acetone	3.79	43	26780	3.237	ug/l	100
18) Methyl Acetate	4.29	43	1970	Below Cal	#	64
20) Methylene Chloride	4.50	84	104119	7.342	ug/l	93
23) Vinyl Acetate	5.85	43	304	Below Cal	#	77
29) Tetrahydrofuran	7.18	42	3745	0.565	ug/l	94
31) Cyclohexane	7.62	56	31988	1.406	ug/l #	45
36) 1,1-Dichloropropene	7.63	75	96784	5.097	ug/l #	52
38) Carbon Tetrachloride	7.62	117	110307	5.777	ug/l #	15
49) 1,4-Dioxane	9.16	88	192	0.736	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	488949	31.219	ug/l #	100
78) n-propylbenzene	12.57	91	2363	0.319	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	488949	89.277	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.89	180	2148	2.926	ug/l #	55
94) Hexachlorobutadiene	14.99	225	576	Below Cal	#	62
95) Naphthalene	15.11	128	6818	2.303	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.29	180	2603	0.277	ug/l #	60

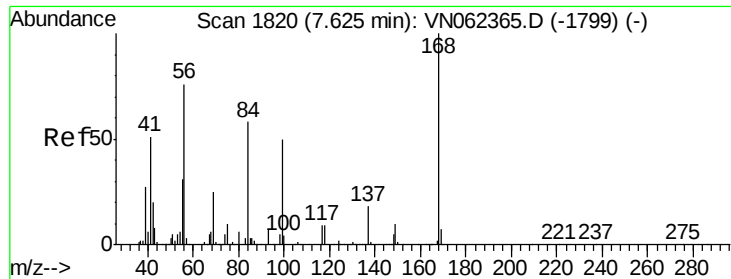
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 07 05:08:51 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: VN062375.D

Acq: 6 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

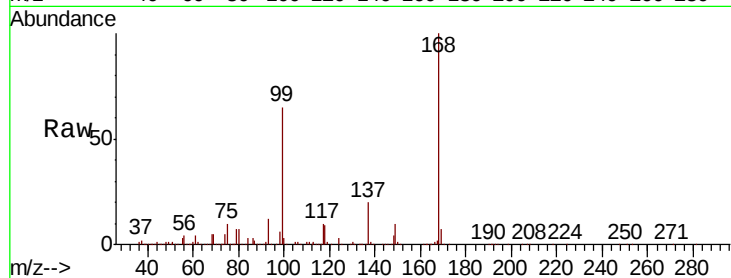
PB124463TB

Tot Ion:168 Resp: 992193

Ion Ratio Lower Upper

168 100

99 65.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

400000

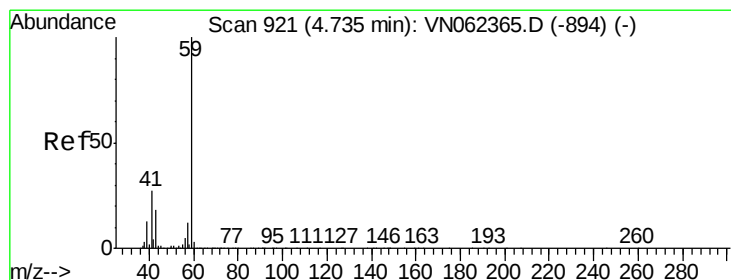
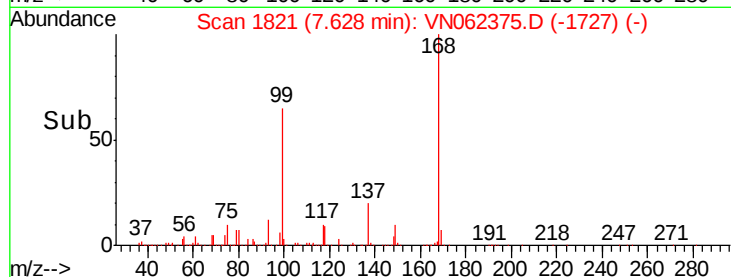
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.343 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.02 min

Lab File: VN062375.D

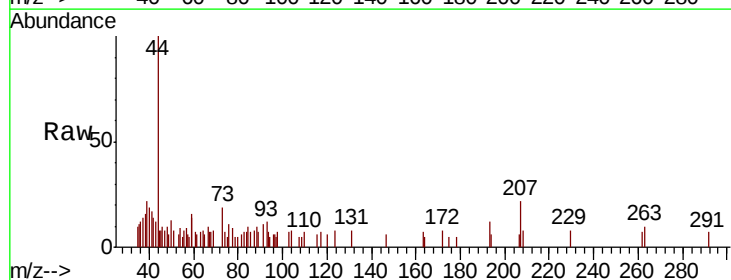
Acq: 6 Jul 2020 20:19

Tgt Ion: 59 Resp: 852

Ion Ratio Lower Upper

59 100

57 121.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

1000

800

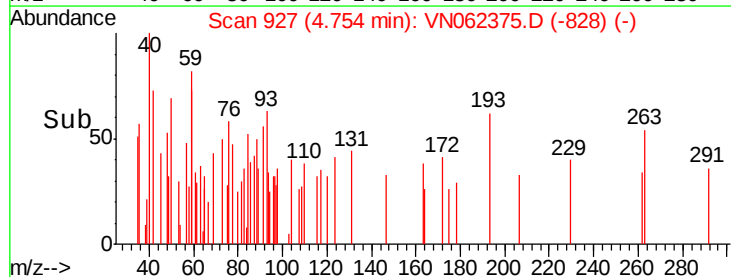
600

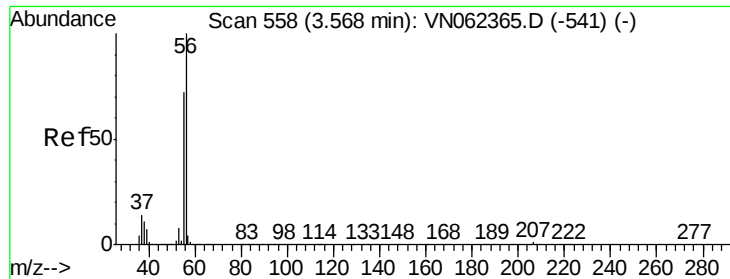
400

200

0

Time-->





#13

Acrolein

Concen: 1.004 ug/l

RT: 3.56 min Scan# 555

Delta R.T. -0.01 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

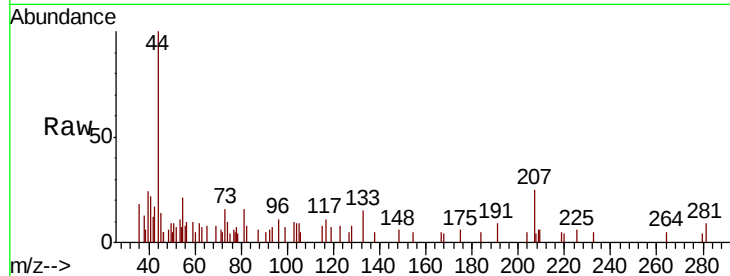
PB124463TB

Tot Ion: 56 Resp: 705

Ion Ratio Lower Upper

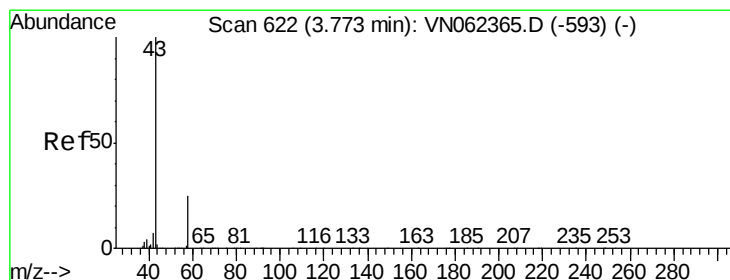
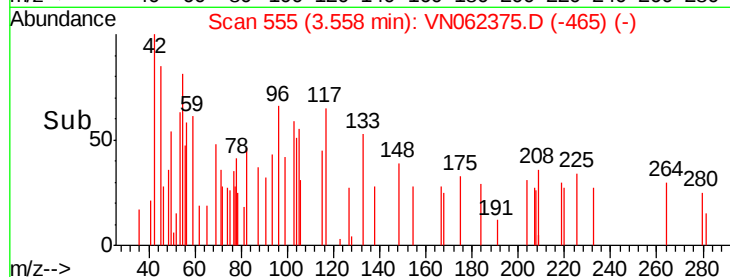
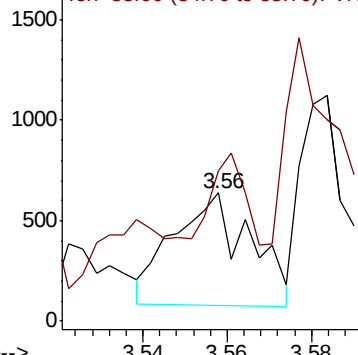
56 100

55 44.5 59.6 89.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 3.237 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062375.D

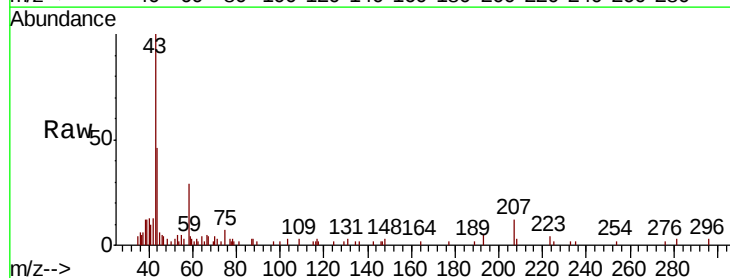
Acq: 6 Jul 2020 20:19

Tgt Ion: 43 Resp: 26780

Ion Ratio Lower Upper

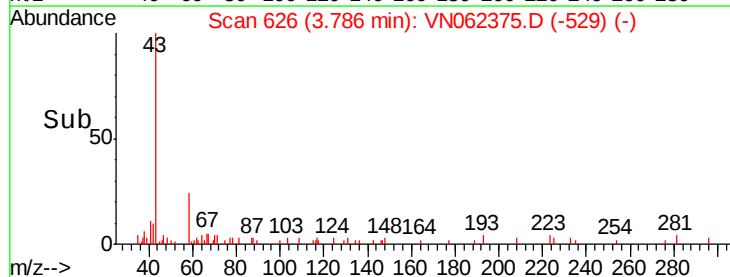
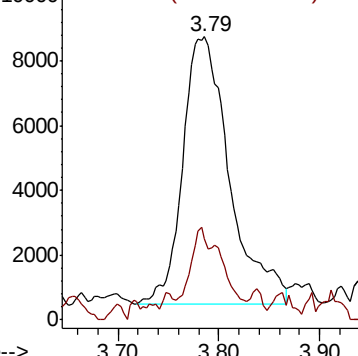
43 100

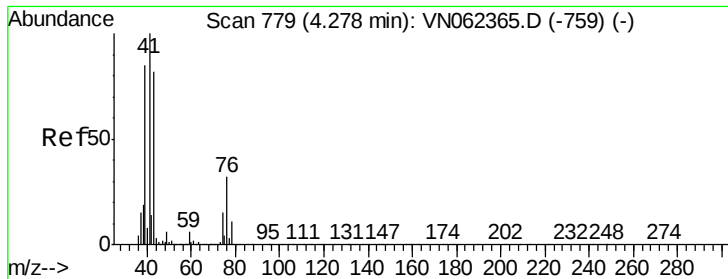
58 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

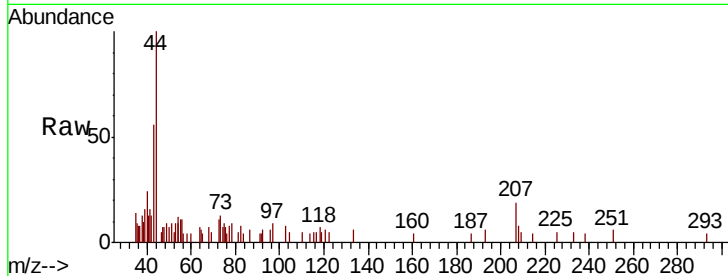
PB124463TB

Tot Ion: 43 Resp: 1970

Ion Ratio Lower Upper

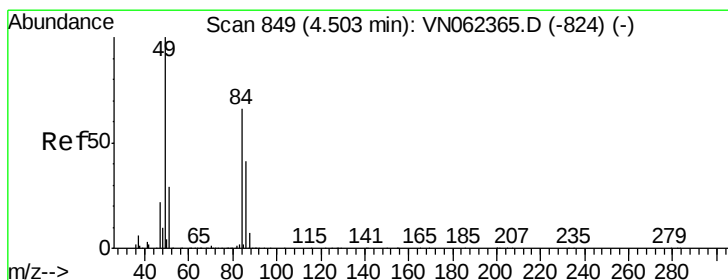
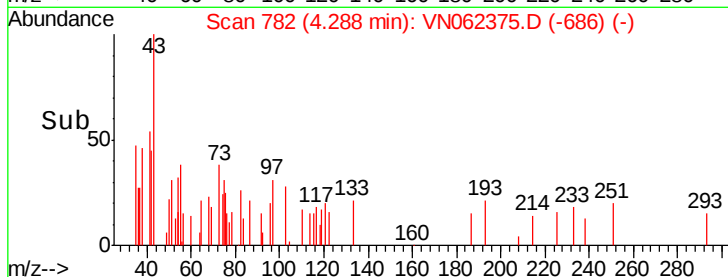
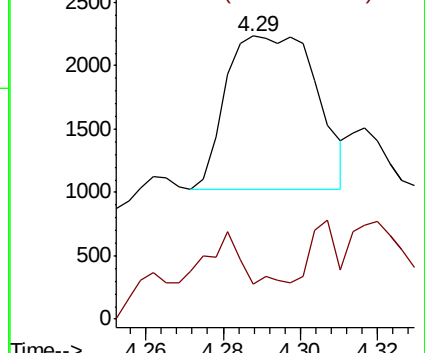
43 100

74 33.9 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VN062365.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN062365.D (-759) (-)



#20

Methylene Chloride

Concen: 7.342 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

Tgt Ion: 84 Resp: 104119

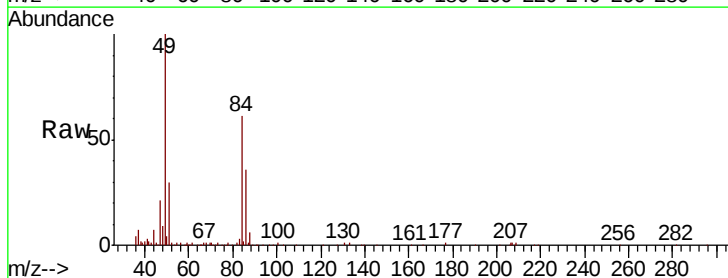
Ion Ratio Lower Upper

84 100

49 162.6 121.8 182.6

51 48.6 35.0 52.4

86 58.6 50.3 75.5

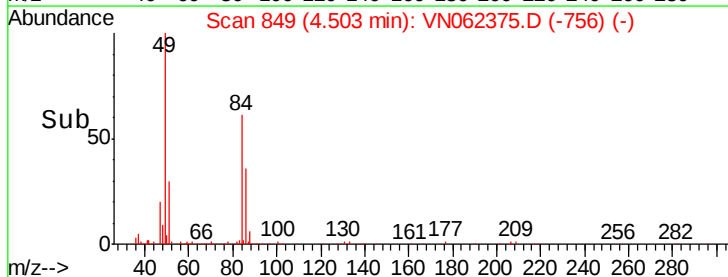
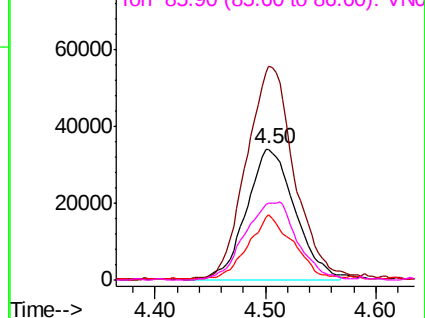


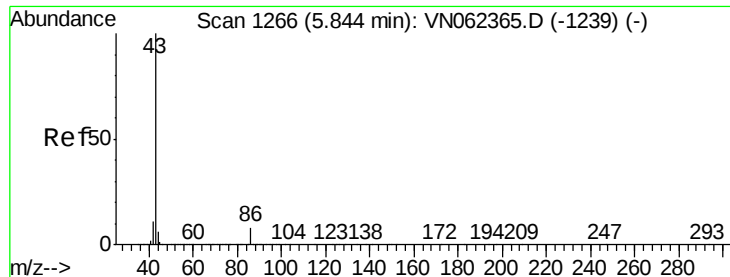
Abundance Ion 83.90 (83.60 to 84.60): VN062365.D (-824) (-)

Ion 48.90 (48.60 to 49.60): VN062365.D (-824) (-)

Ion 50.90 (50.60 to 51.60): VN062365.D (-824) (-)

Ion 85.90 (85.60 to 86.60): VN062365.D (-824) (-)





#23

Vinyl Acetate

Concen: Below Cal

RT: 5.85 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleID :

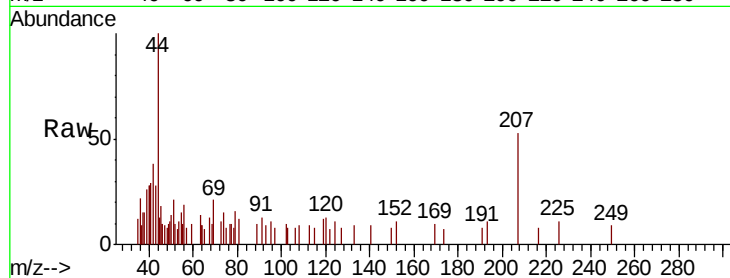
PB124463TB

Tot Ion: 43 Resp: 304

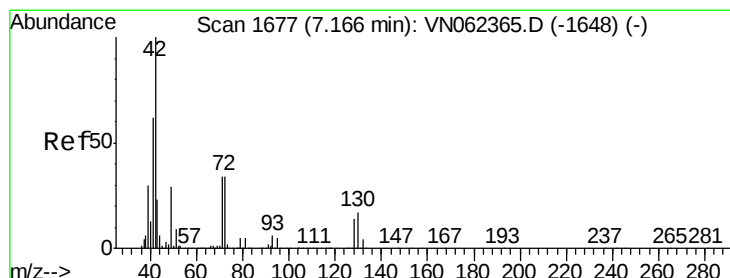
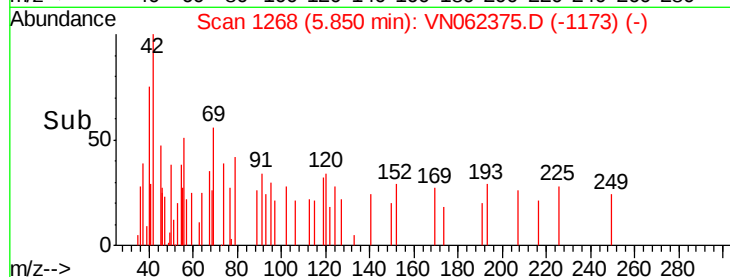
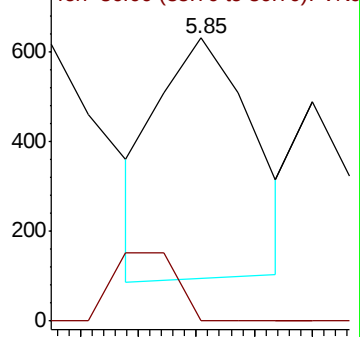
Ion Ratio Lower Upper

43 100

86 0.0 6.6 9.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062365.D (-1239) (-)



#29

Tetrahydrofuran

Concen: 0.565 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

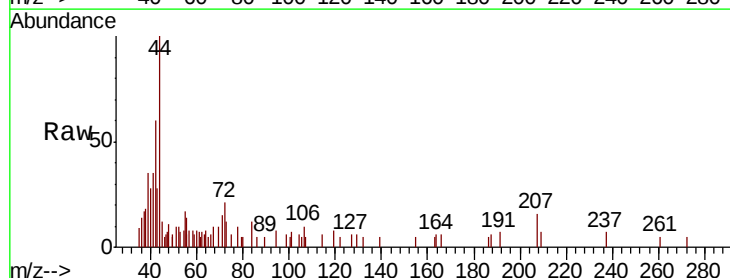
Tgt Ion: 42 Resp: 3745

Ion Ratio Lower Upper

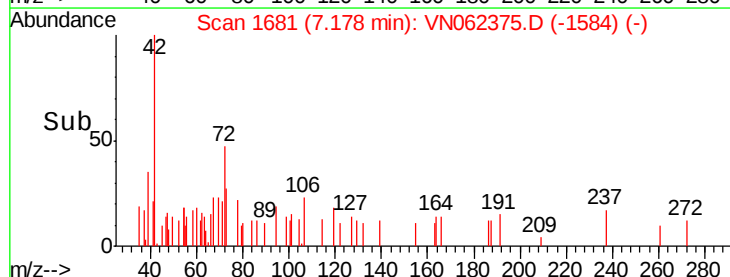
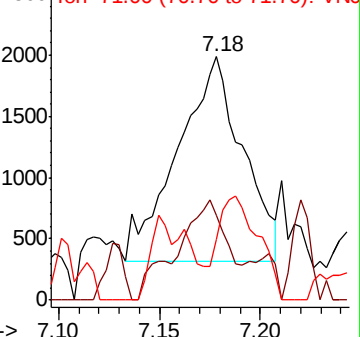
42 100

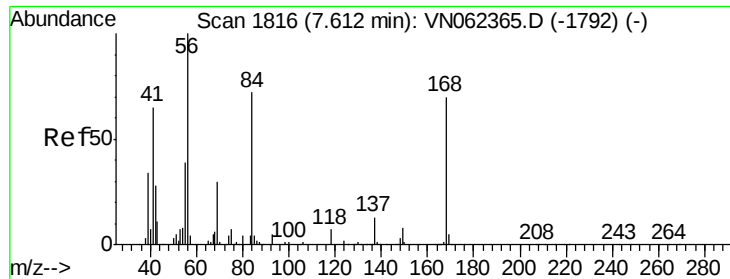
72 38.3 26.8 40.2

71 30.3 26.0 39.0



Abundance Ion 42.00 (41.70 to 42.70): VN062365.D (-1648) (-)

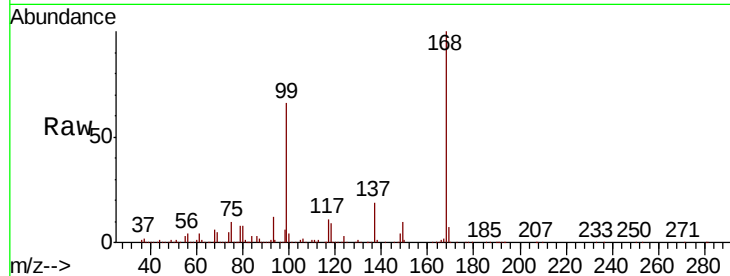




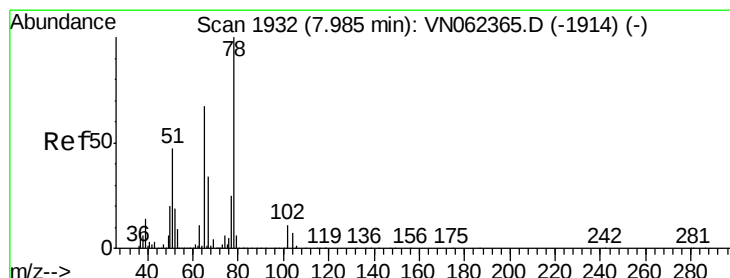
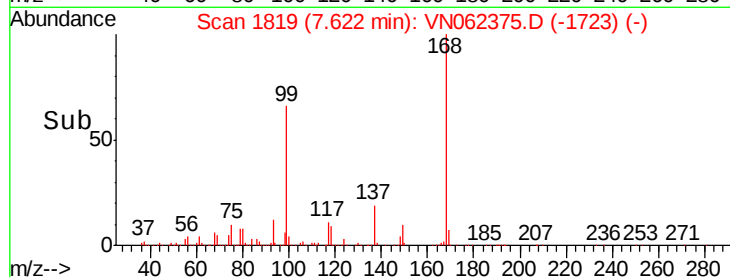
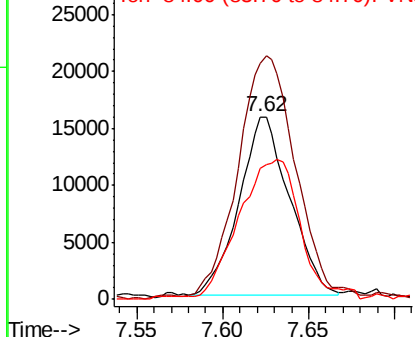
#31
Cyclohexane
Concen: 1.406 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062375.D
Acq: 6 Jul 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
PB124463TB

Tot Ion: 56 Resp: 31988
Ion Ratio Lower Upper
56 100
69 130.4 23.7 35.5#
84 71.7 57.2 85.8

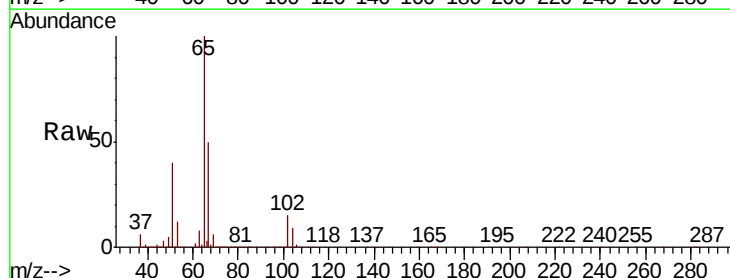


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

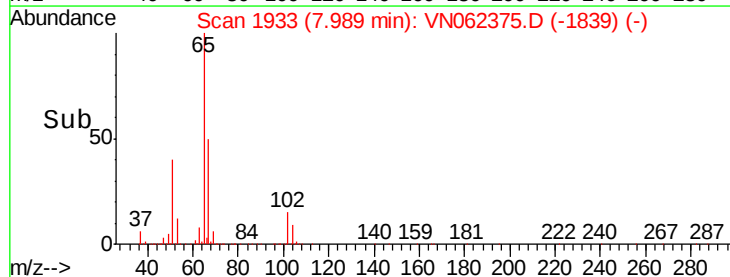
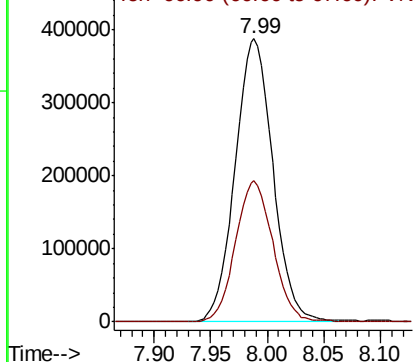


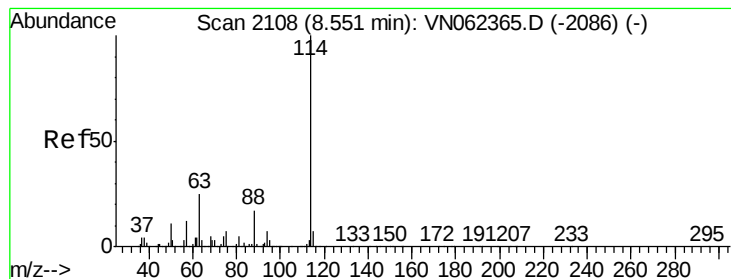
#33
1,2-Dichloroethane-d4
Concen: 50.170 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062375.D
Acq: 6 Jul 2020 20:19

Tgt Ion: 65 Resp: 900437
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.0



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: VN062375.D

Acq: 6 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

PB124463TB

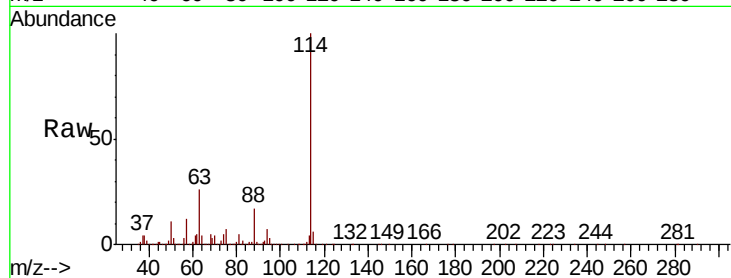
Tot Ion:114 Resp: 1807140

Ion Ratio Lower Upper

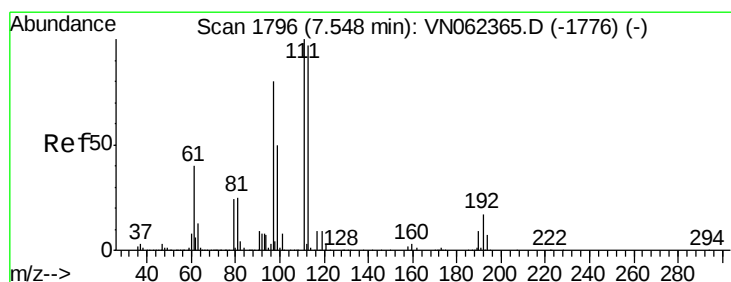
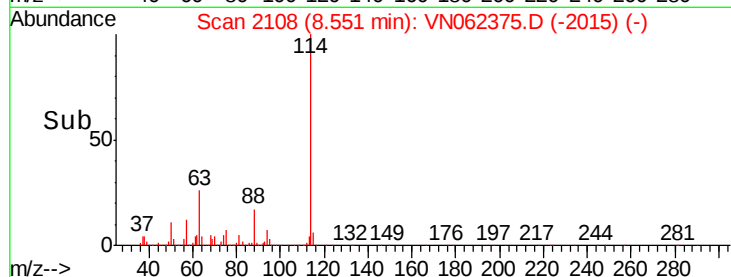
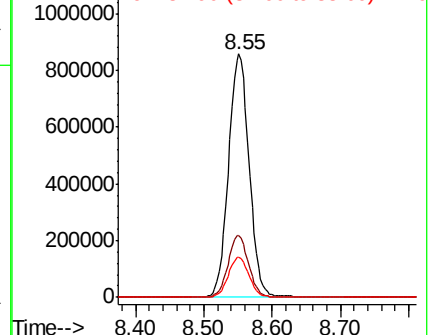
114 100

63 25.6 0.0 49.0

88 16.5 0.0 34.0



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



#35

Dibromofluoromethane

Concen: 48.688 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

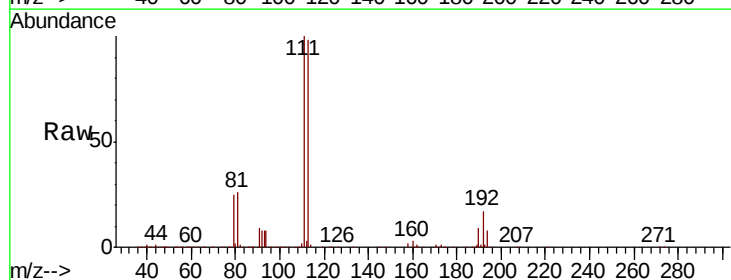
Tgt Ion:113 Resp: 600240

Ion Ratio Lower Upper

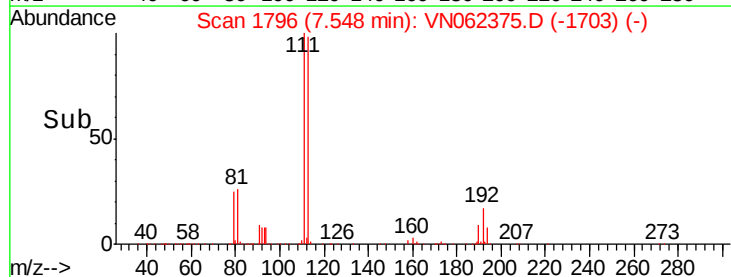
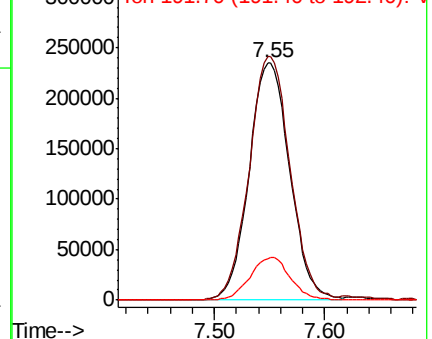
113 100

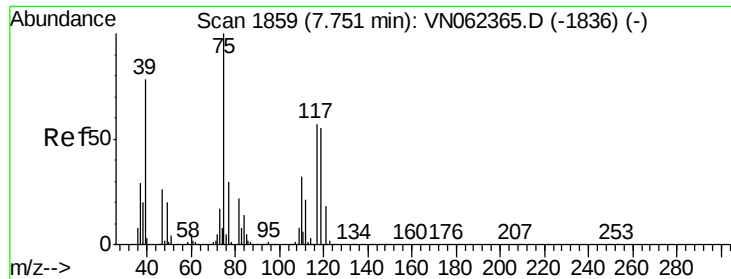
111 103.5 83.2 124.8

192 18.0 14.2 21.2



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

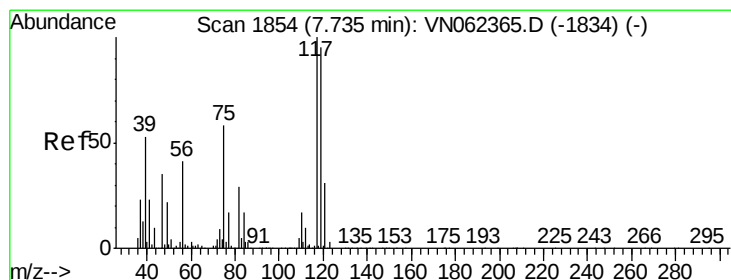
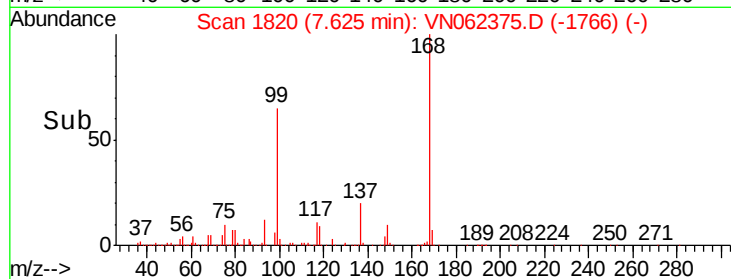
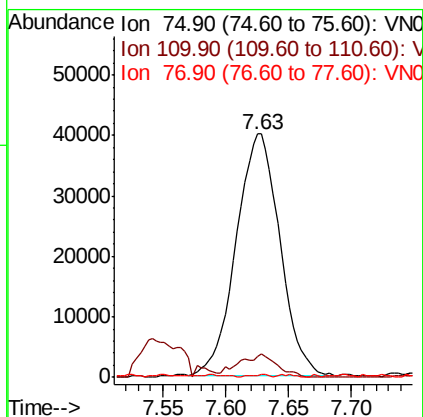
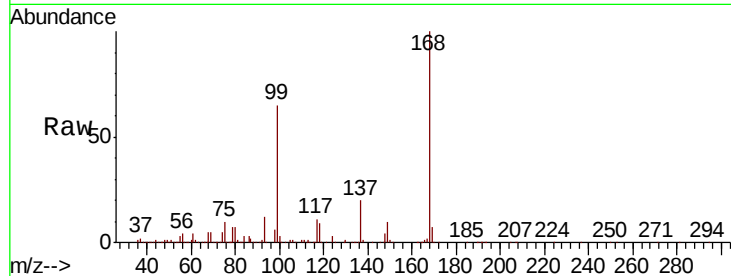




#36
 1,1-Dichloropropene
 Concen: 5.097 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062375.D
 Acq: 6 Jul 2020 20:19

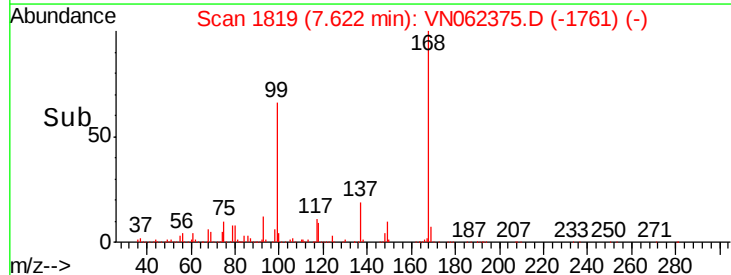
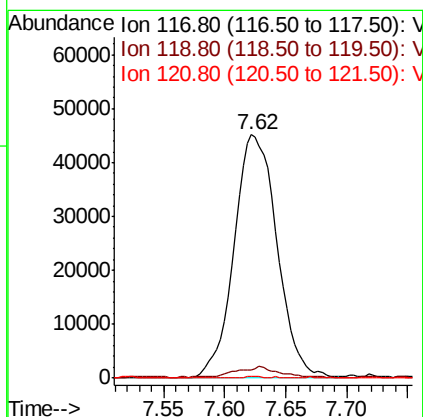
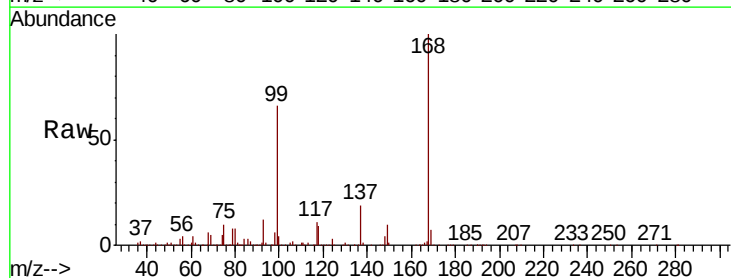
Instrument :
 MSVOA_N
 ClientSampleID :
 PB124463TB

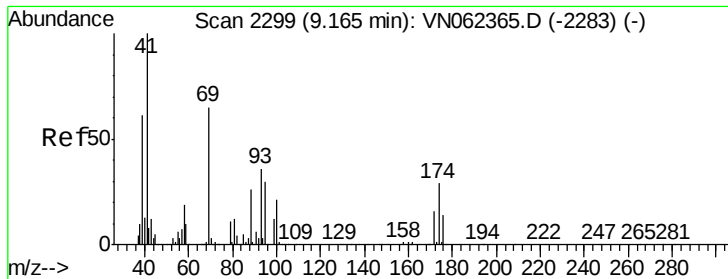
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.7	47.1#
77	0.3	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.777 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062375.D
 Acq: 6 Jul 2020 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	75.9	113.9#
121	0.7	24.6	36.8#

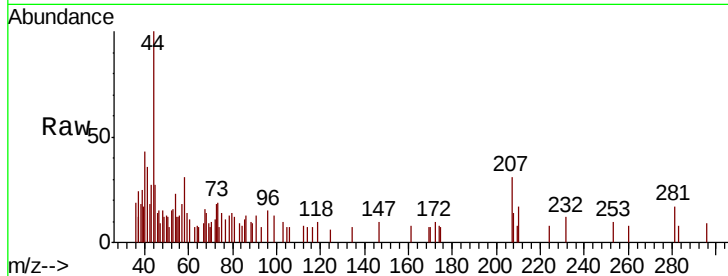




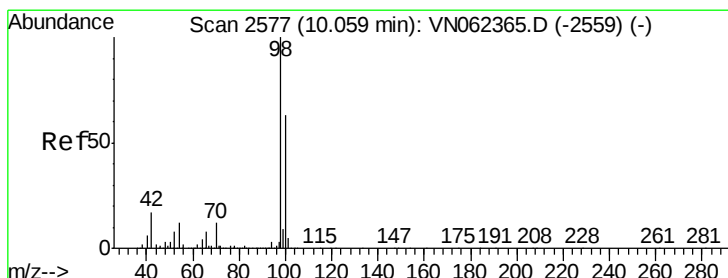
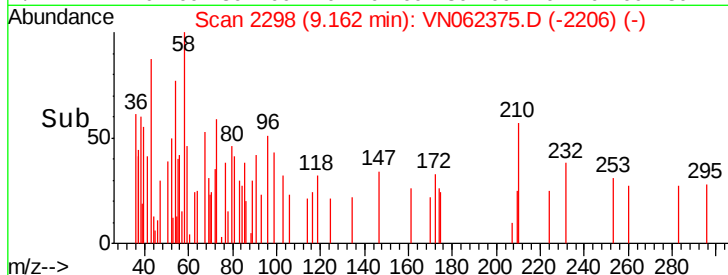
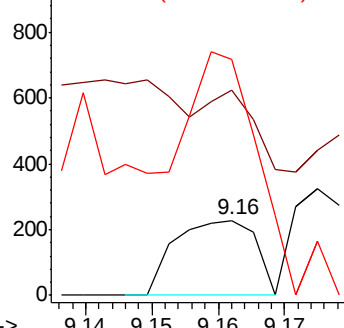
#49
 1,4-Dioxane
 Concen: 0.736 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN062375.D
 Acq: 6 Jul 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB124463TB

Tot Ion: 88 Resp: 192
 Ion Ratio Lower Upper
 88 100
 43 0.0 34.0 51.0#
 58 328.6 63.0 94.4#

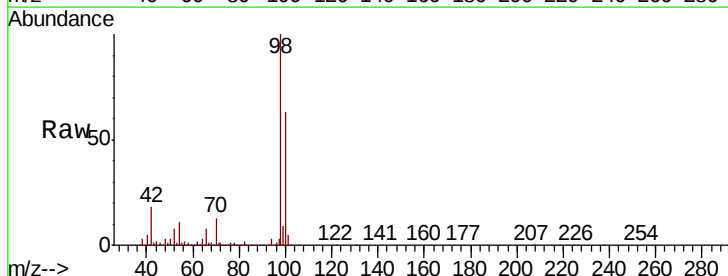


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

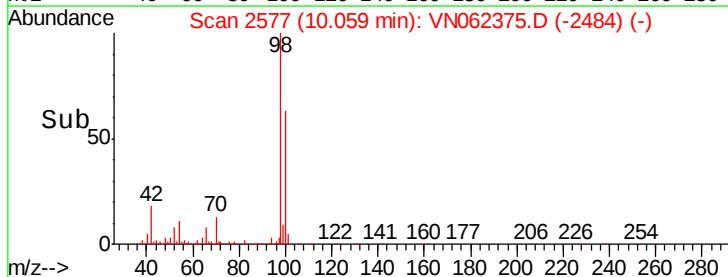
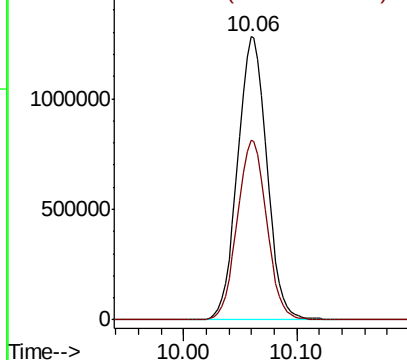


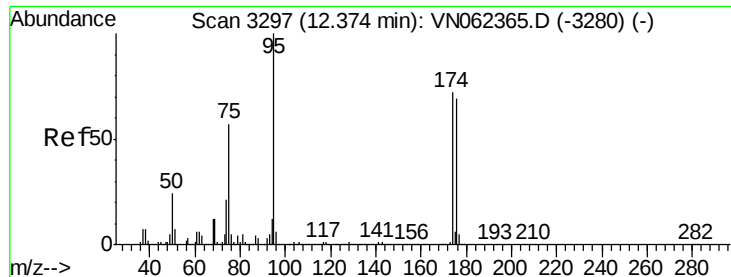
#50
 Toluene-d8
 Concen: 50.308 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062375.D
 Acq: 6 Jul 2020 20:19

Tgt Ion: 98 Resp: 2318478
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.2 75.2



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

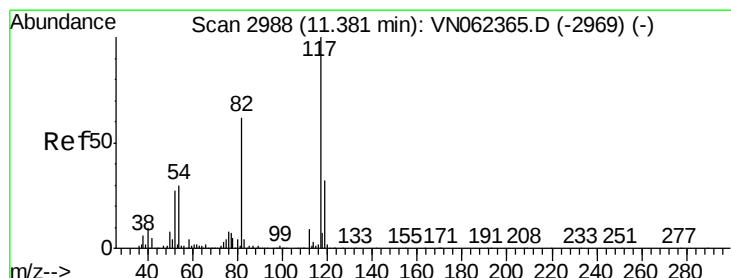
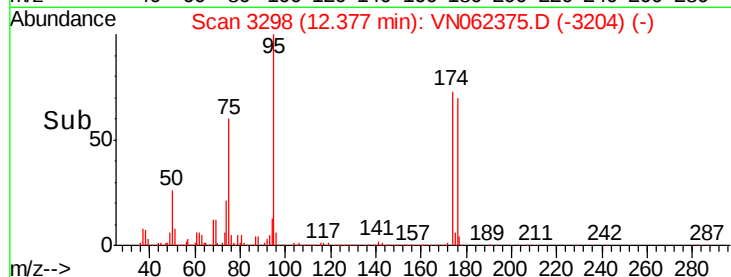
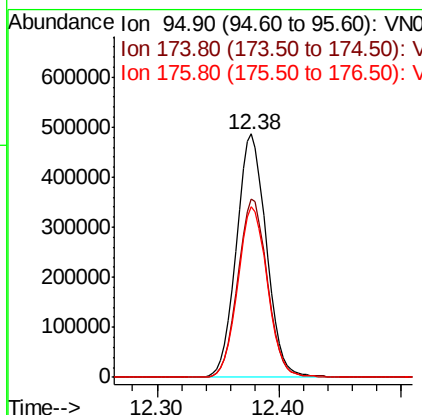
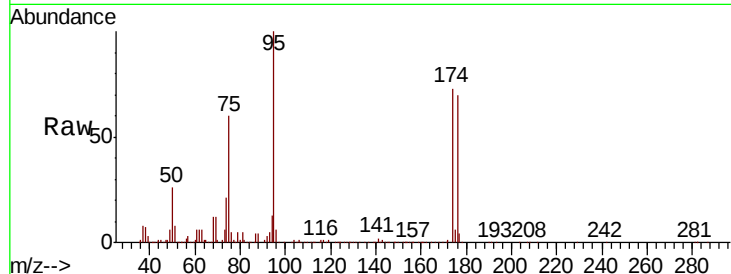




#62
4-Bromofluorobenzene
Concen: 46.780 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062375.D
Acq: 6 Jul 2020 20:19

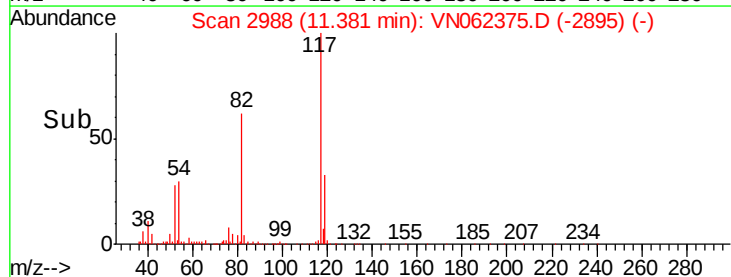
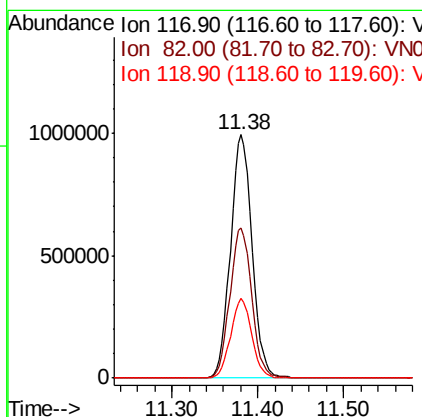
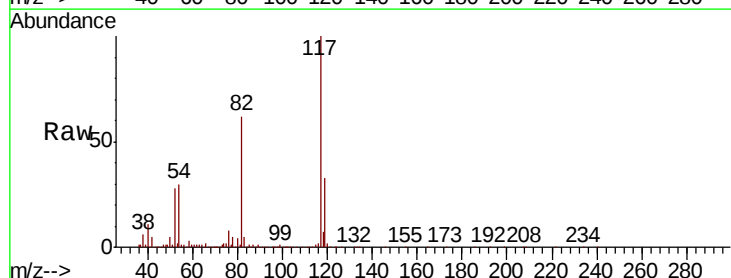
Instrument :
MSVOA_N
ClientSampleId :
PB124463TB

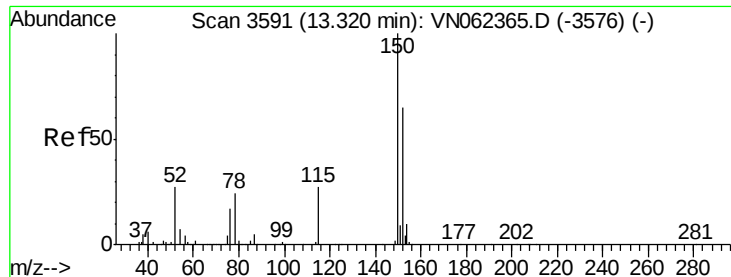
Tot Ion: 95 Resp: 825668
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.8
176 69.7 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062375.D
Acq: 6 Jul 2020 20:19

Tgt Ion: 117 Resp: 1725987
Ion Ratio Lower Upper
117 100
82 61.8 49.4 74.2
119 32.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

PB124463TB

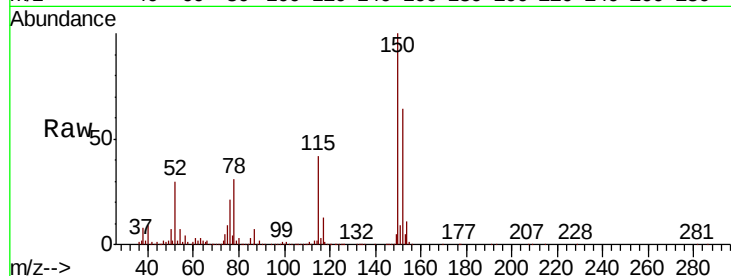
Tot Ion:152 Resp: 648420

Ion Ratio Lower Upper

152 100

115 63.5 30.5 91.5

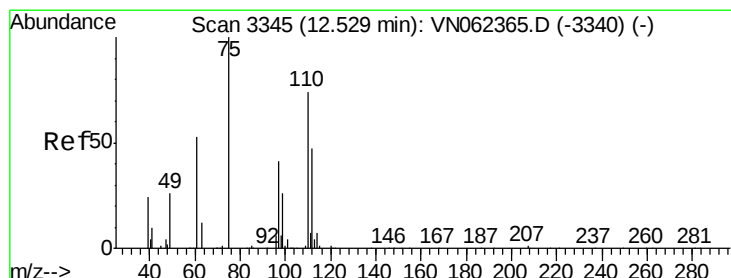
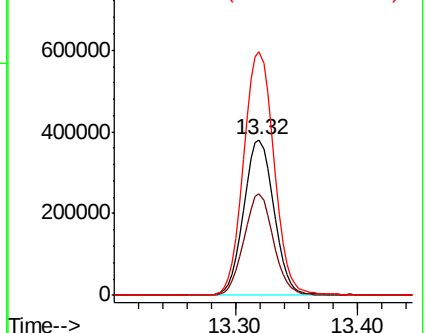
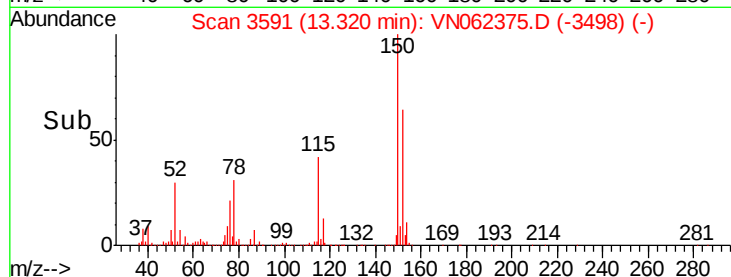
150 158.2 0.0 346.8



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: 31.219 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062375.D

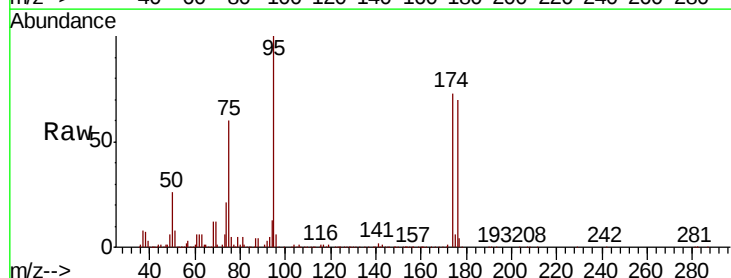
Acq: 6 Jul 2020 20:19

Tgt Ion: 75 Resp: 488949

Ion Ratio Lower Upper

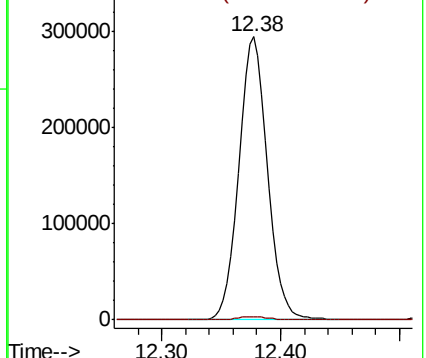
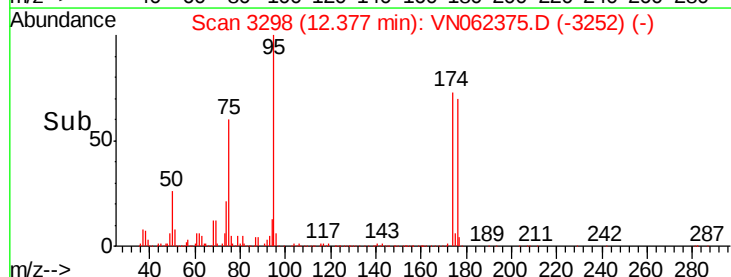
75 100

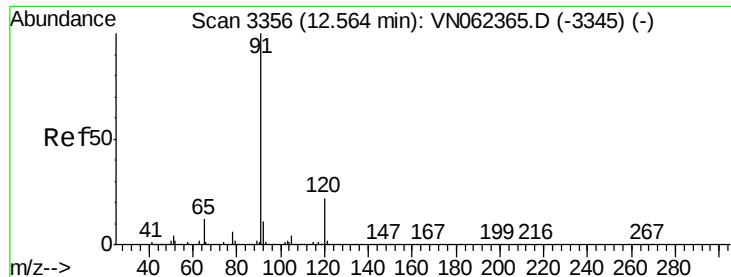
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.319 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampled :

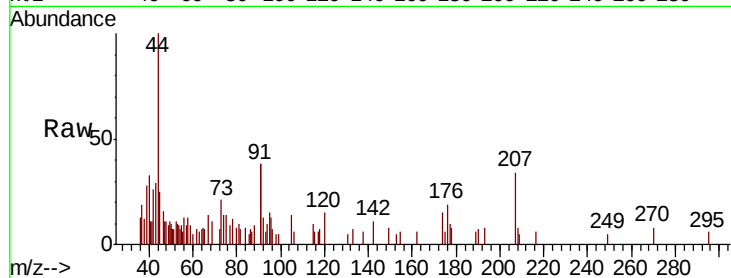
PB124463TB

Tot Ion: 91 Resp: 2363

Ion Ratio Lower Upper

91 100

120 22.9 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN062365.D (-3345) (-)

Ion 120.00 (119.70 to 120.70): VN062365.D (-3345) (-)

12.57

2500

2000

1500

1000

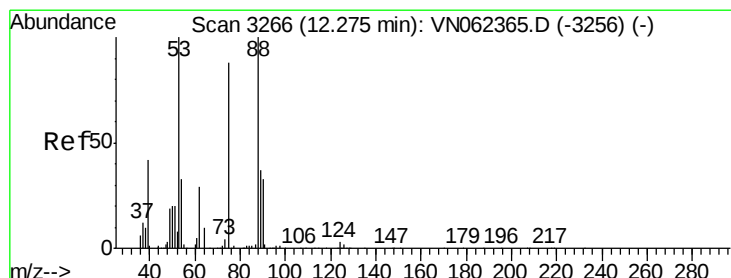
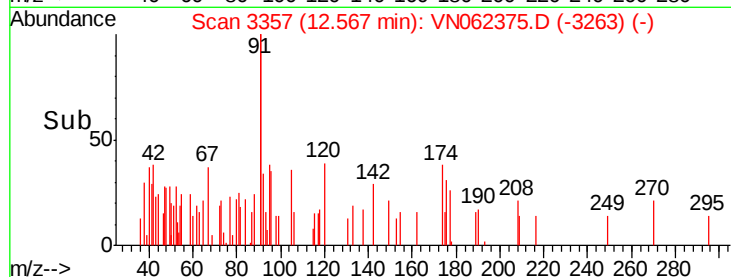
500

0

12.55

12.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 89.277 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062375.D

Acq: 6 Jul 2020 20:19

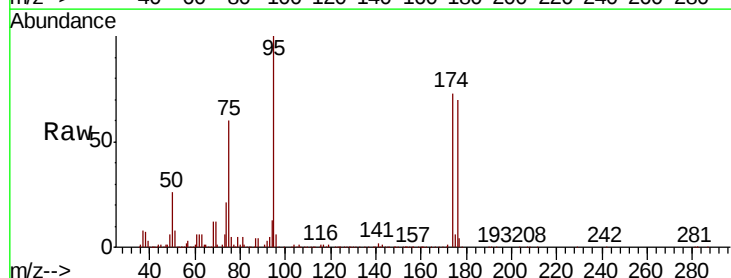
Tgt Ion: 75 Resp: 488949

Ion Ratio Lower Upper

75 100

53 0.3 92.3 138.5#

89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN062365.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062365.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062365.D (-3256) (-)

400000

300000

200000

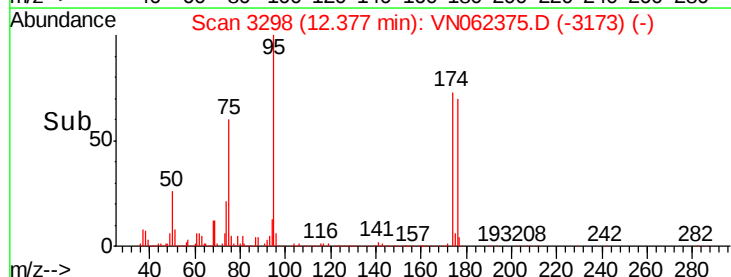
100000

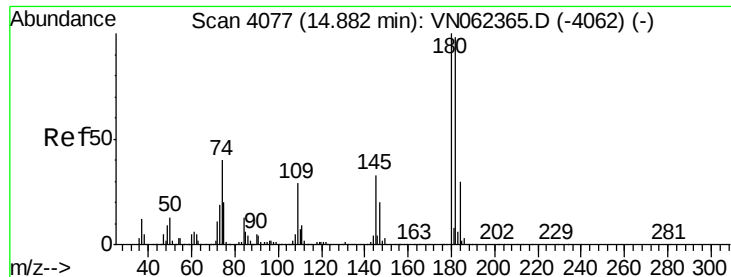
0

12.30

12.40

Time-->

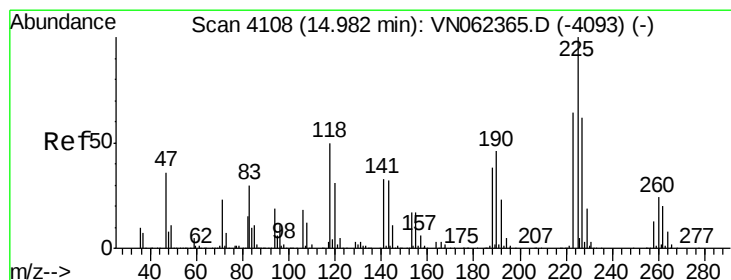
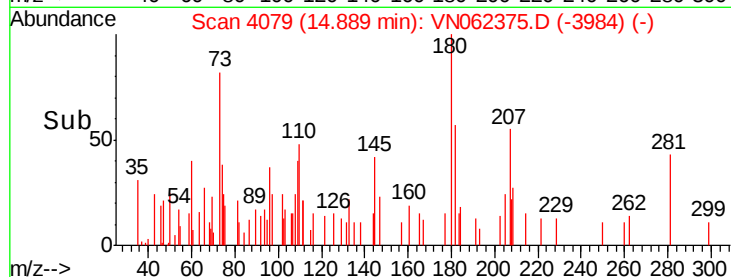
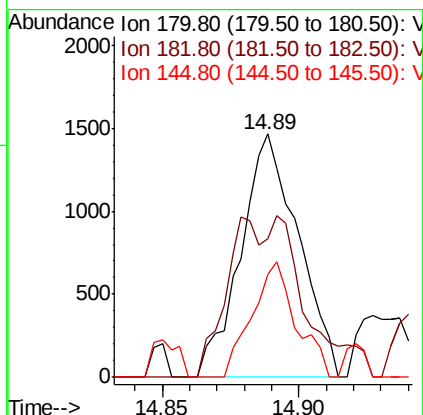
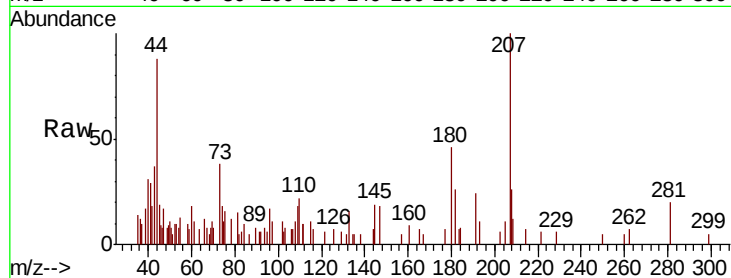




#93
 1,2,4-Trichlorobenzene
 Concen: 2.926 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062375.D
 Acq: 6 Jul 2020 20:19

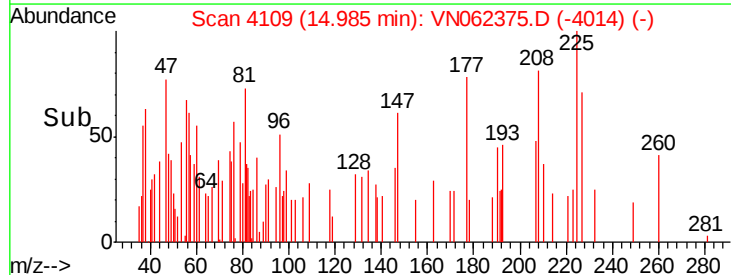
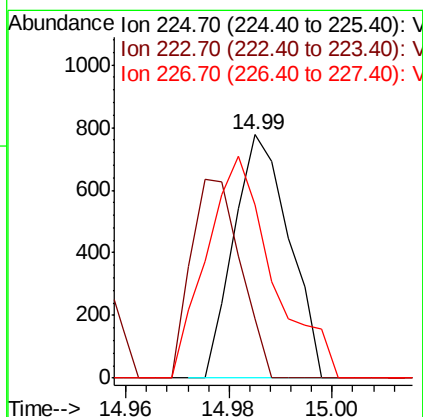
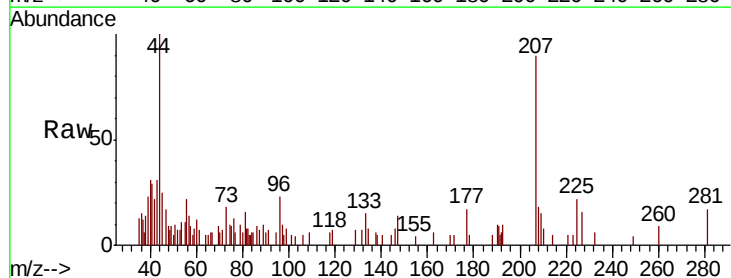
Instrument :
 MSVOA_N
 ClientSampleId :
 PB124463TB

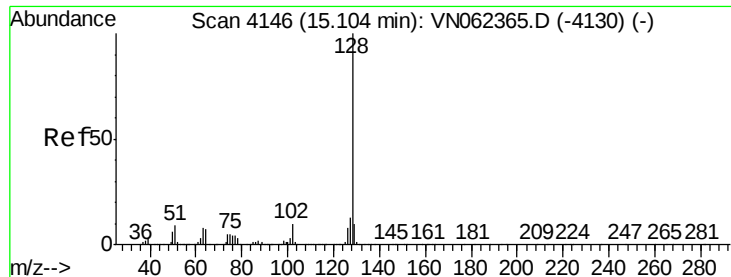
Tot Ion:180 Resp: 2148
 Ion Ratio Lower Upper
 180 100
 182 39.4 47.6 142.8#
 145 36.1 15.9 47.7



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062375.D
 Acq: 6 Jul 2020 20:19

Tgt Ion:225 Resp: 576
 Ion Ratio Lower Upper
 225 100
 223 73.4 31.7 95.1
 227 109.2 30.3 90.8#

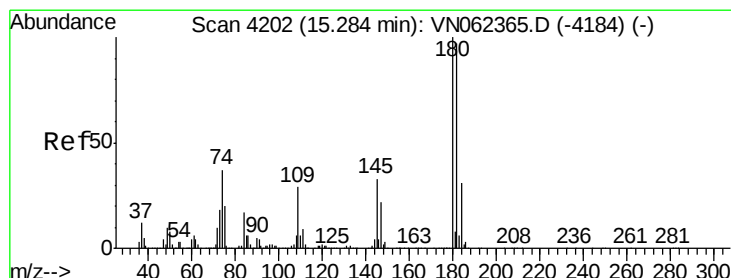
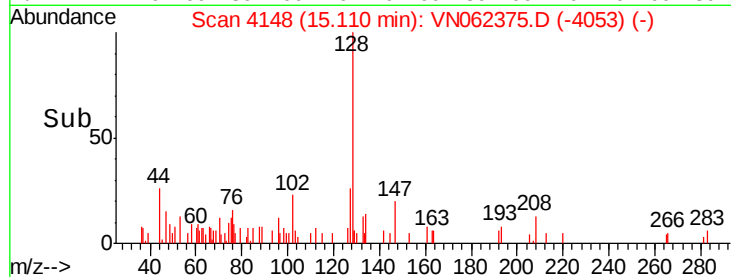
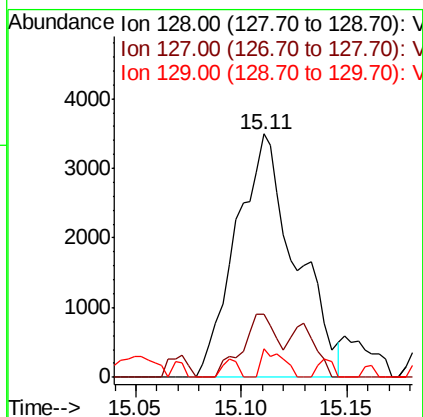
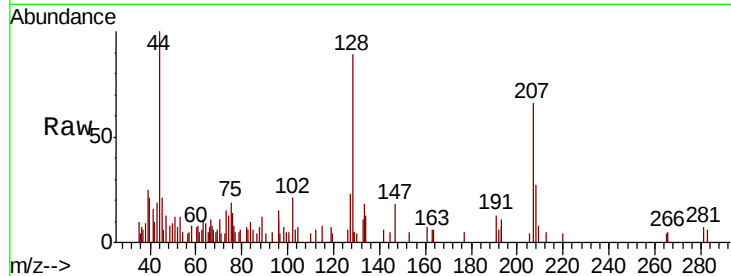




#95
Naphthalene
Concen: 2.303 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062375.D
Acq: 6 Jul 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
PB124463TB

Tot Ion:128 Resp: 6818
Ion Ratio Lower Upper
128 100
127 15.1 10.8 16.2
129 4.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.277 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.01 min
Lab File: VN062375.D
Acq: 6 Jul 2020 20:19

Tgt Ion:180 Resp: 2603
Ion Ratio Lower Upper
180 100
182 58.9 47.9 143.7
145 6.3 16.4 49.2#

