

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063993.D
 Acq On : 8 Oct 2020 16:06
 Operator : JC/MD
 Sample : L4255-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ124-20200930

Quant Time: Oct 09 04:04:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	245433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	431581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	447088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	203097	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.55	113	153783	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.06	98	557269	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.38	95	208787	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds

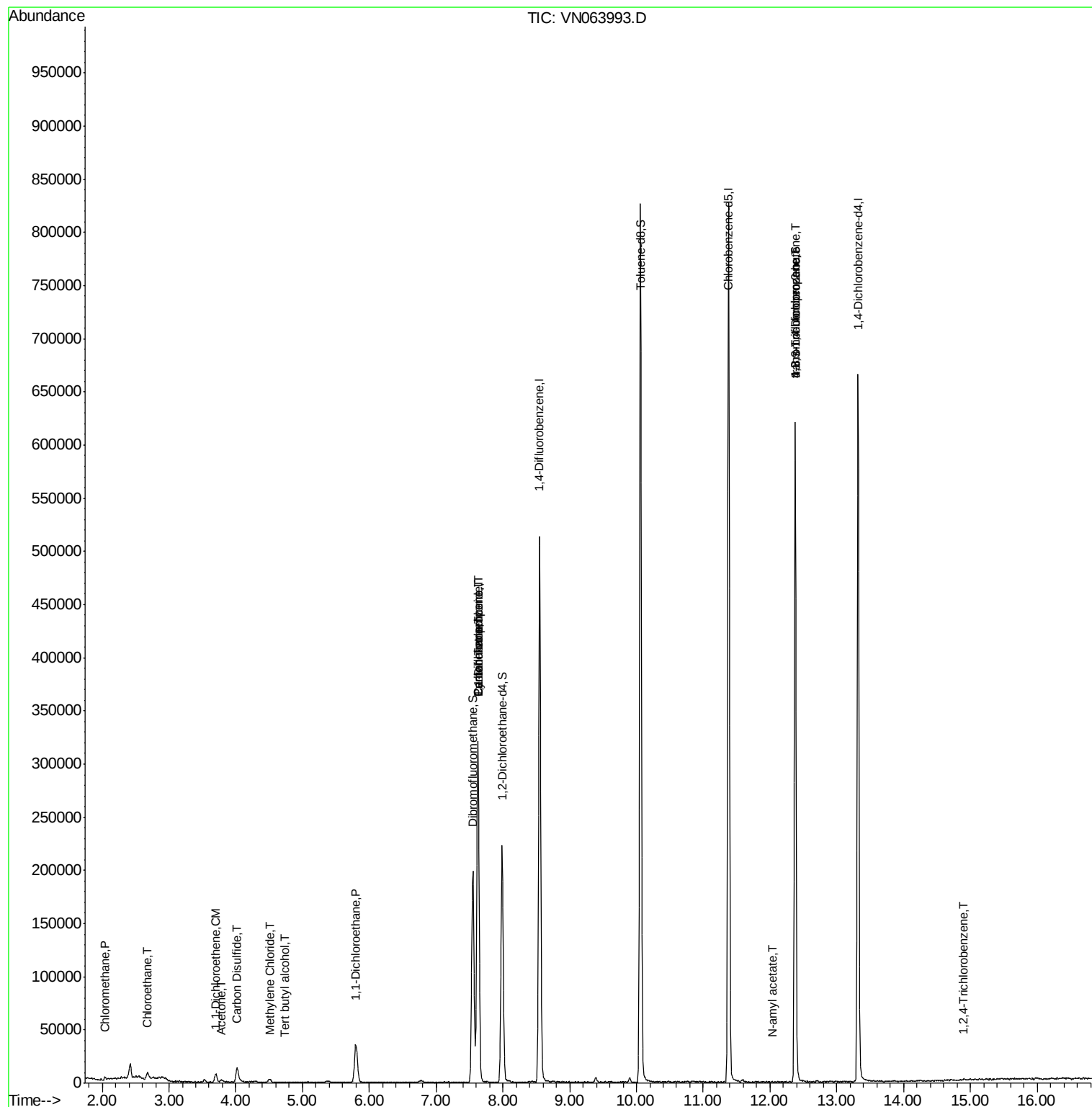
						Qvalue
3) Chloromethane	2.04	50	2168	0.713	ug/l #	82
6) Chloroethane	2.68	64	5178	2.841	ug/l	97
11) Tert butyl alcohol	4.73	59	129	0.288	ug/l #	71
12) 1,1-Dichloroethene	3.70	96	3975	1.608	ug/l #	72
16) Acetone	3.78	43	3649	2.923	ug/l #	82
17) Carbon Disulfide	4.01	76	399	0.759	ug/l #	76
20) Methylene Chloride	4.51	84	941	0.427	ug/l #	67
24) 1,1-Dichloroethane	5.79	63	56623	10.483	ug/l	99
31) Cyclohexane	7.63	56	6228	1.323	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	21122	4.831	ug/l #	51
38) Carbon Tetrachloride	7.62	117	26104	5.324	ug/l #	15
74) N-amyl acetate	12.04	43	356	2.274	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	117382	30.950	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117382	89.141	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.90	180	187	1.797	ug/l #	52

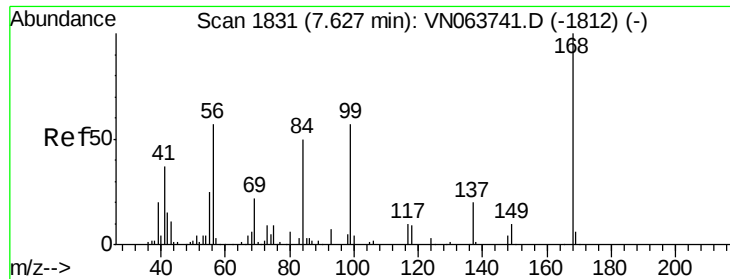
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

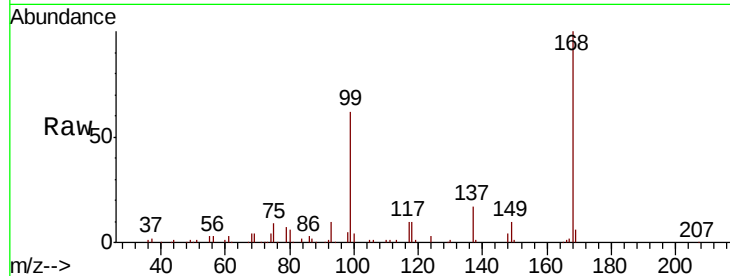
SA-PZ124-20200930

Tot Ion:168 Resp: 245433

Ion Ratio Lower Upper

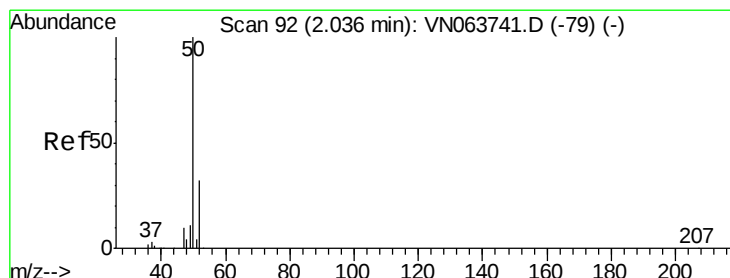
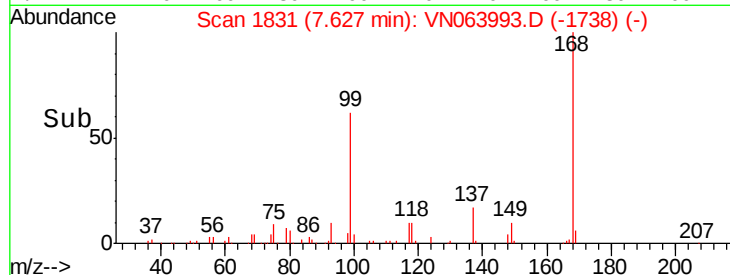
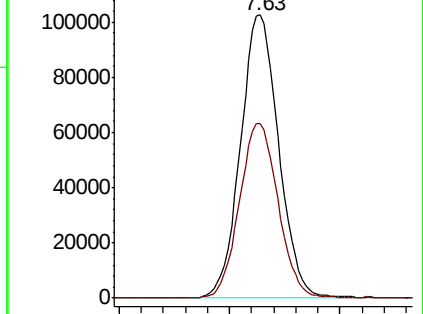
168 100

99 61.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063993.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063993.D (-1738) (-)



#3

Chloromethane

Concen: 0.713 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063993.D

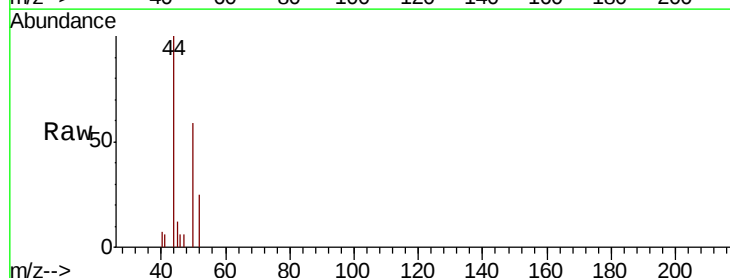
Acq: 8 Oct 2020 16:06

Tgt Ion: 50 Resp: 2168

Ion Ratio Lower Upper

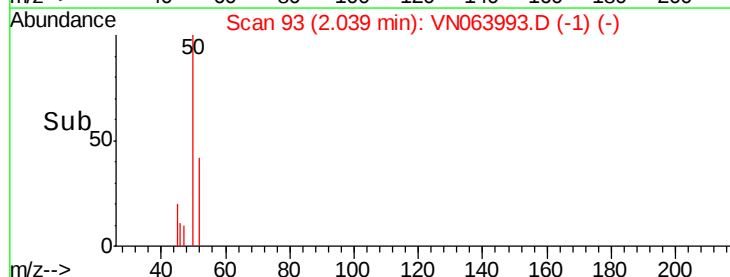
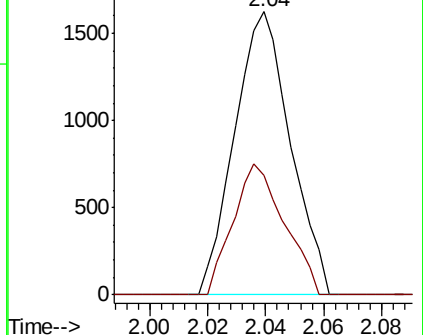
50 100

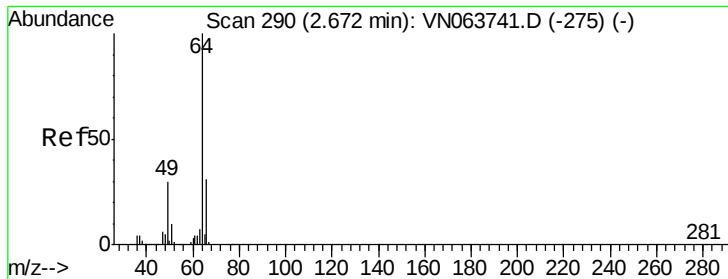
52 42.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VN063993.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063993.D (-1) (-)





#6

Chloroethane

Concen: 2.841 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

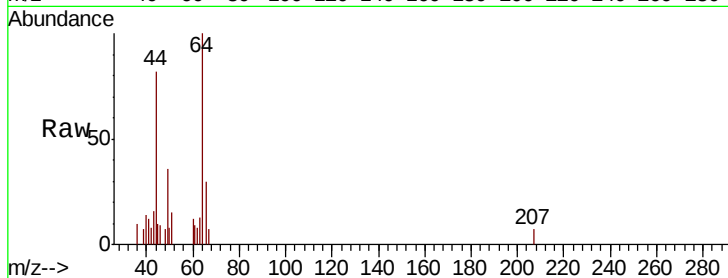
SA-PZ124-20200930

Tot Ion: 64 Resp: 5178

Ion Ratio Lower Upper

64 100

66 29.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

2500

2000

1500

1000

500

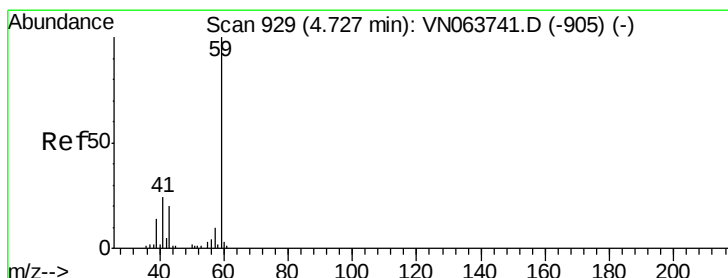
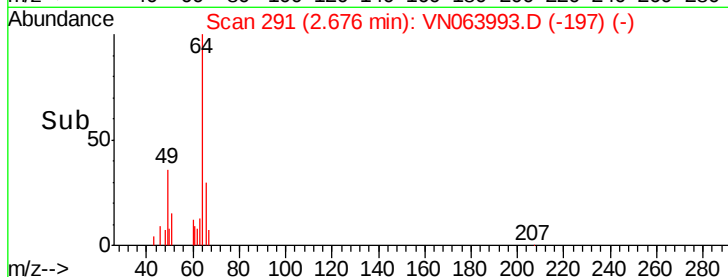
0

2.65

2.70

2.75

Time-->



#11

Tert butyl alcohol

Concen: 0.288 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN063993.D

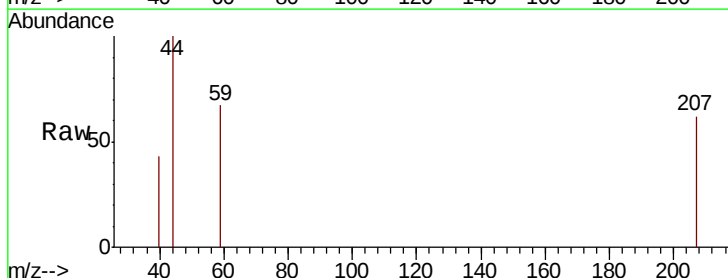
Acq: 8 Oct 2020 16:06

Tgt Ion: 59 Resp: 129

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

300

250

200

150

100

50

0

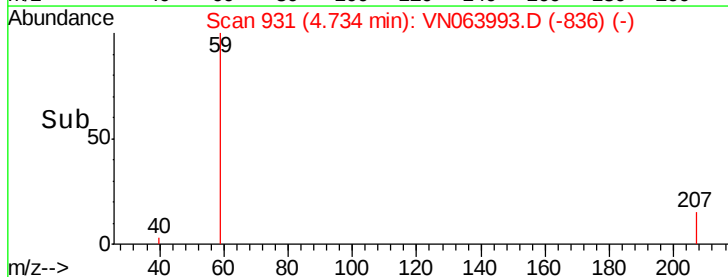
4.72

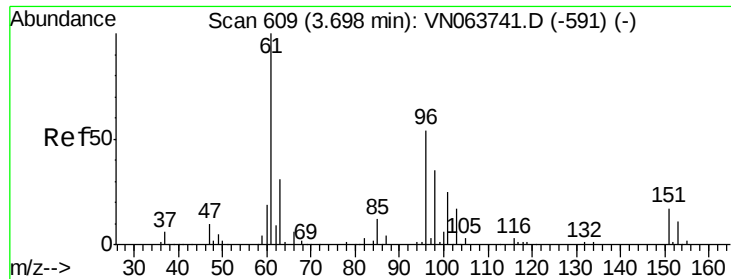
4.73

4.74

4.75

Time-->





#12

1,1-Dichloroethene

Concen: 1.608 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ124-20200930

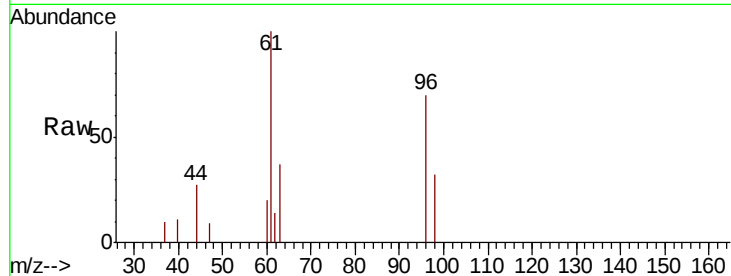
Tot Ion: 96 Resp: 3975

Ion Ratio Lower Upper

96 100

61 142.4 147.7 221.5#

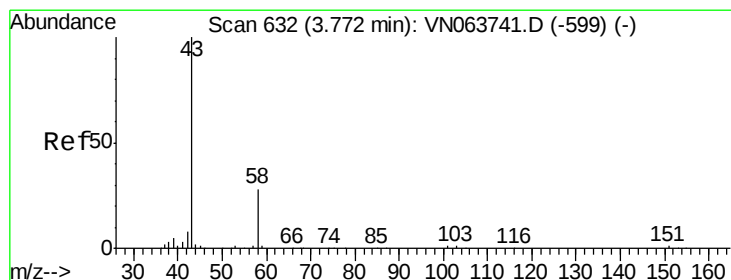
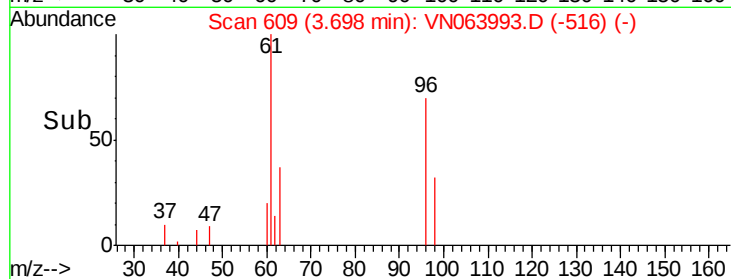
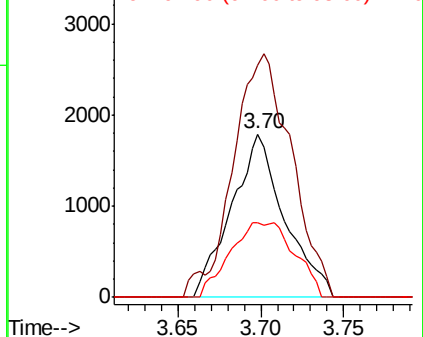
98 45.8 51.9 77.9#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#16

Acetone

Concen: 2.923 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063993.D

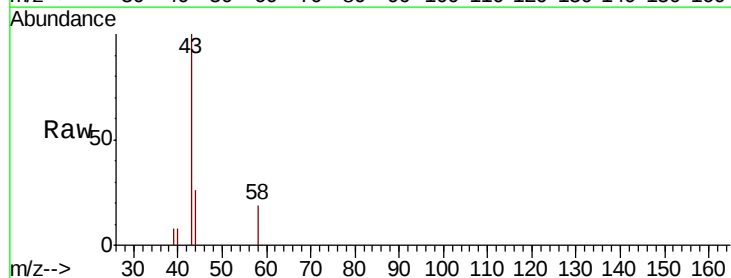
Acq: 8 Oct 2020 16:06

Tgt Ion: 43 Resp: 3649

Ion Ratio Lower Upper

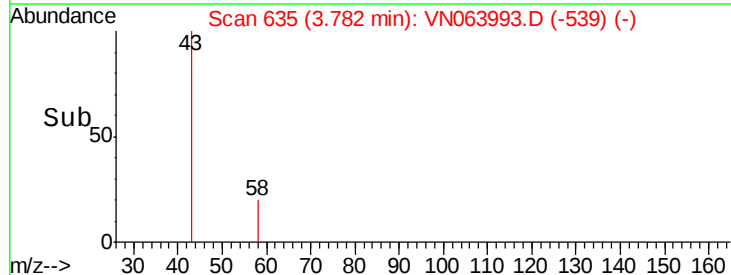
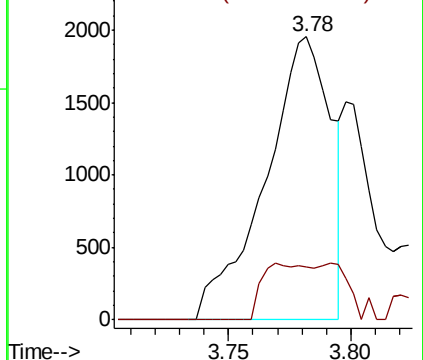
43 100

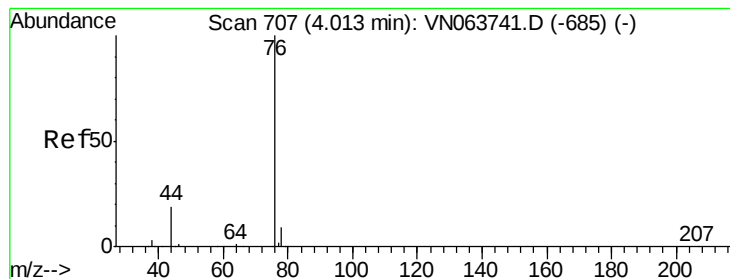
58 18.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.759 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

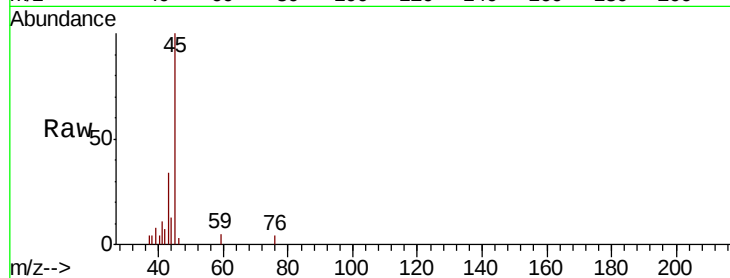
SA-PZ124-20200930

Tot Ion: 76 Resp: 399

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

300

250

200

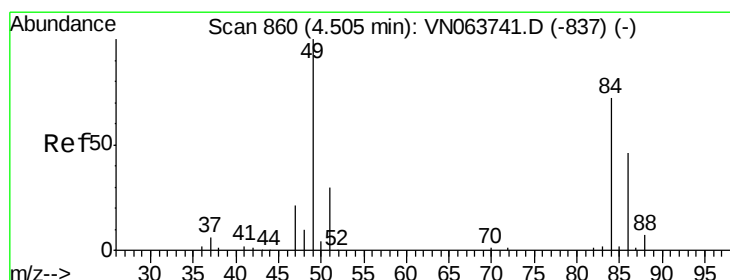
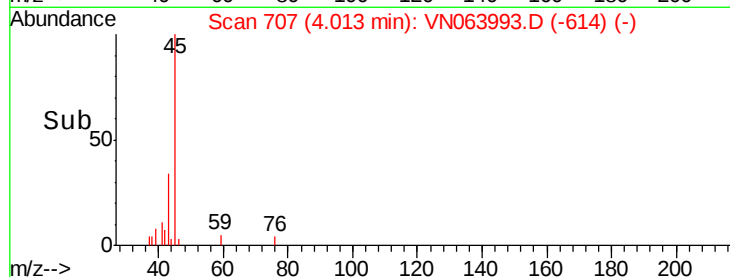
150

100

50

0

Time--> 3.98 4.00 4.02 4.04



#20

Methylene Chloride

Concen: 0.427 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Tgt Ion: 84 Resp: 941

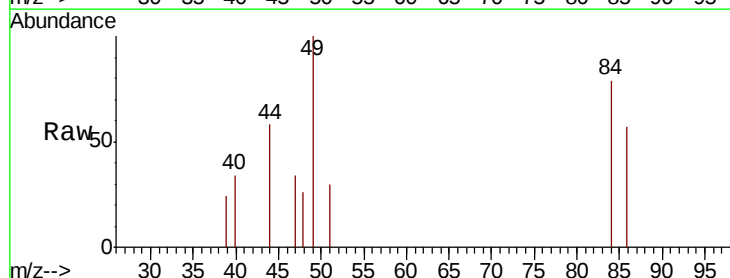
Ion Ratio Lower Upper

84 100

49 76.3 110.4 165.6#

51 38.4 33.3 49.9

86 71.9 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

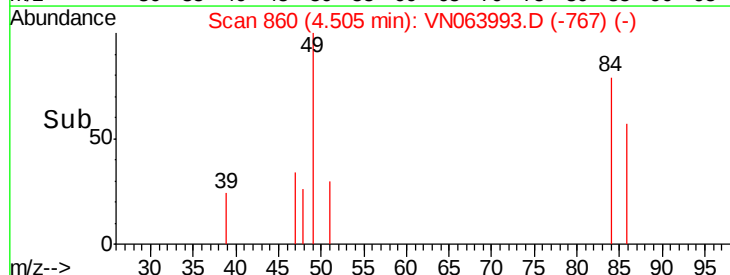
1500

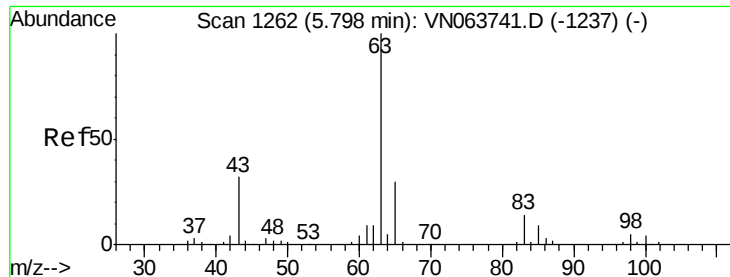
1000

500

0

Time--> 4.46 4.48 4.50 4.52





#24

1,1-Dichloroethane

Concen: 10.483 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ124-20200930

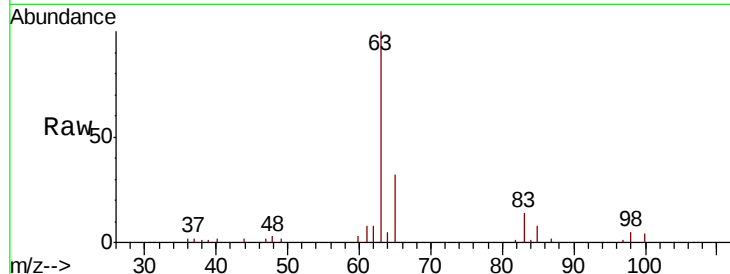
Tot Ion: 63 Resp: 56623

Ion Ratio Lower Upper

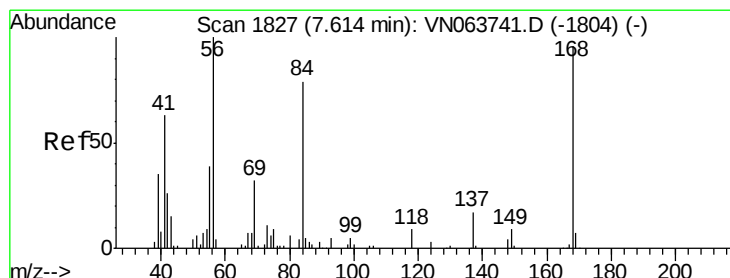
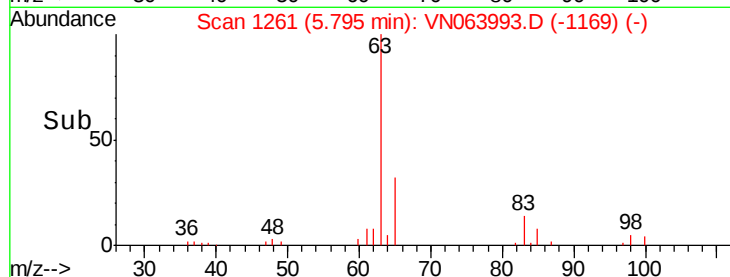
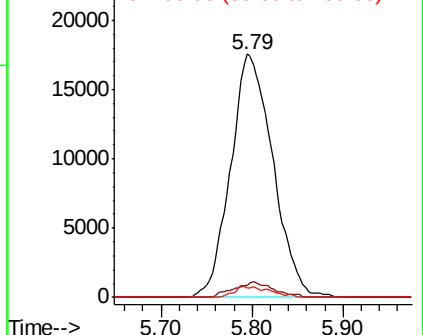
63 100

98 5.1 2.7 8.1

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#31

Cyclohexane

Concen: 1.323 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

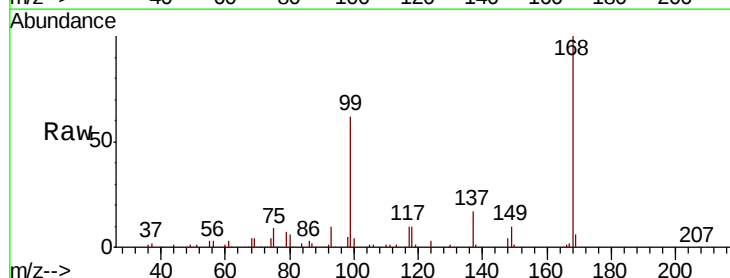
Tgt Ion: 56 Resp: 6228

Ion Ratio Lower Upper

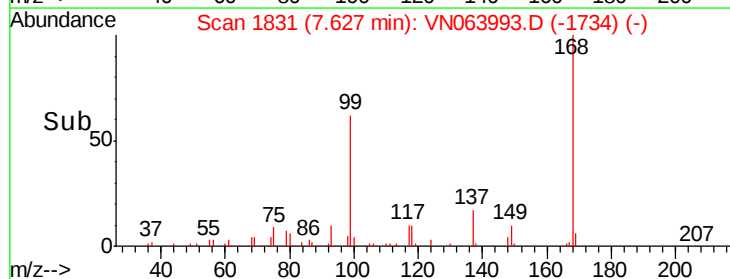
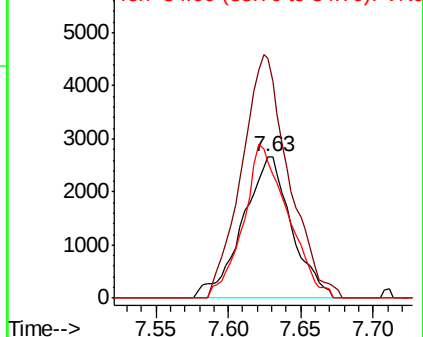
56 100

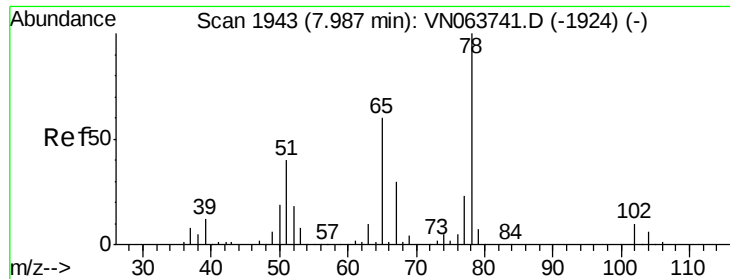
69 169.4 25.4 38.2#

84 95.9 63.3 94.9#



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

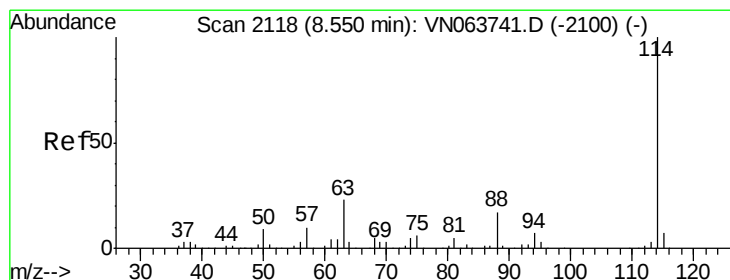
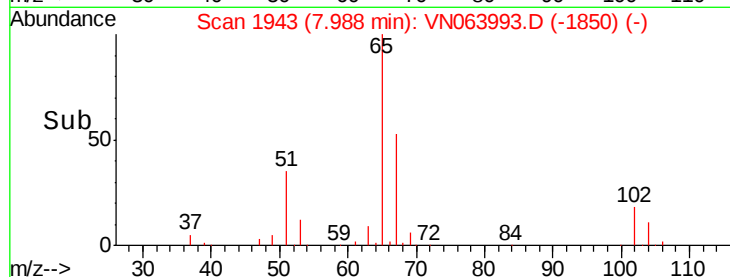
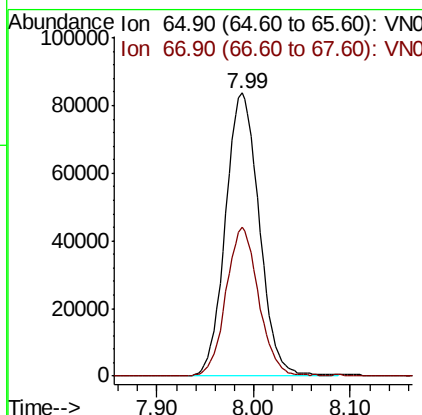
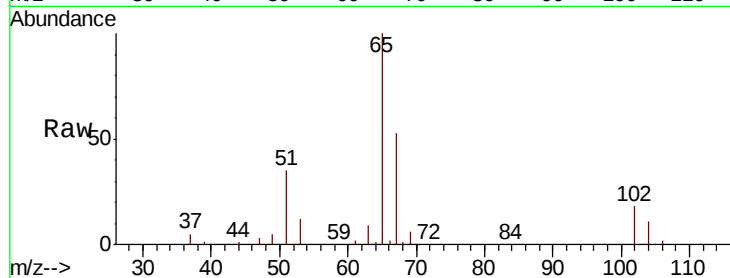




#33
 1,2-Dichloroethane-d4
 Concen: 50.089 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063993.D
 Acq: 8 Oct 2020 16:06

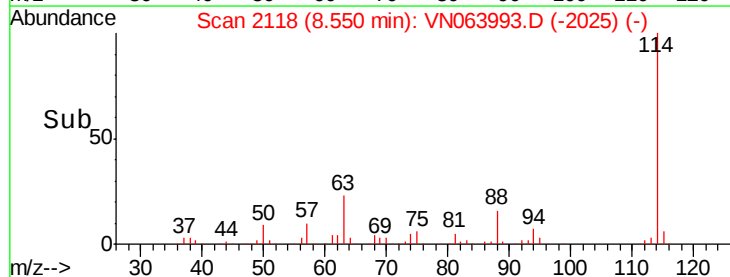
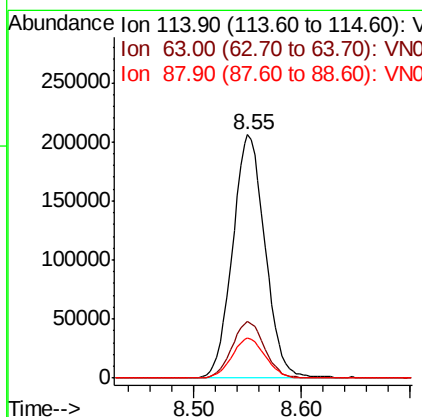
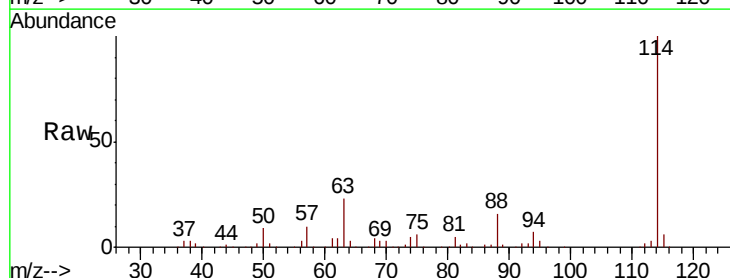
Instrument :
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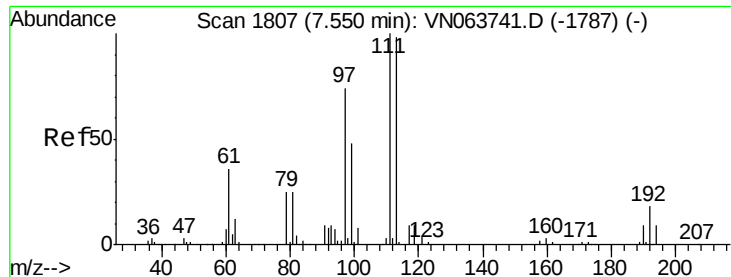
Tot Ion: 65 Resp: 203097
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063993.D
 Acq: 8 Oct 2020 16:06

Tgt Ion: 114 Resp: 431581
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 16.4 0.0 34.0

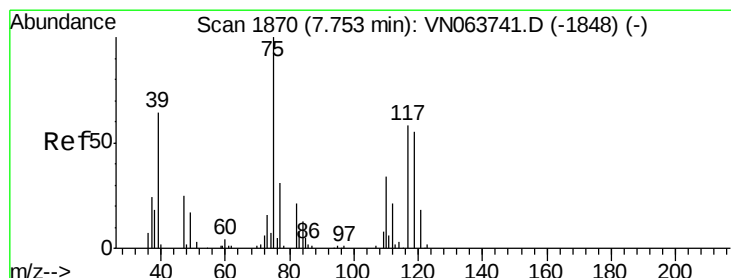
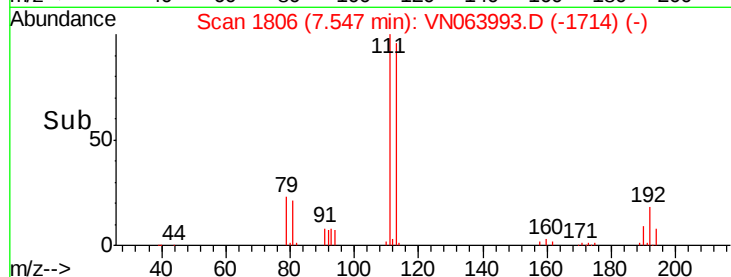
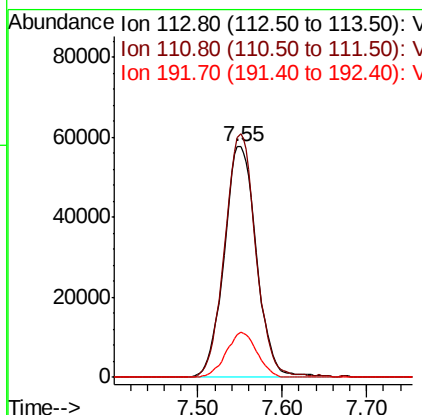
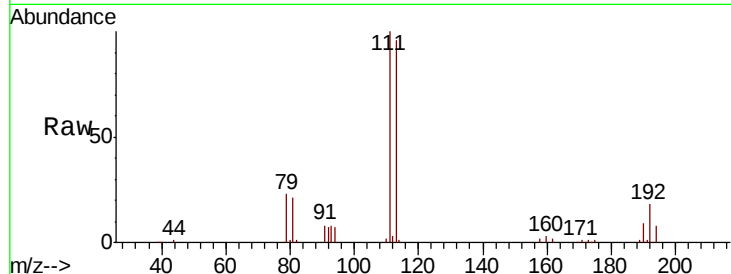




#35
 Dibromofluoromethane
 Concen: 51.353 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063993.D
 Acq: 8 Oct 2020 16:06

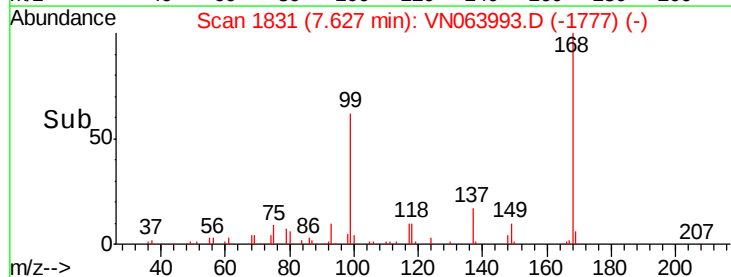
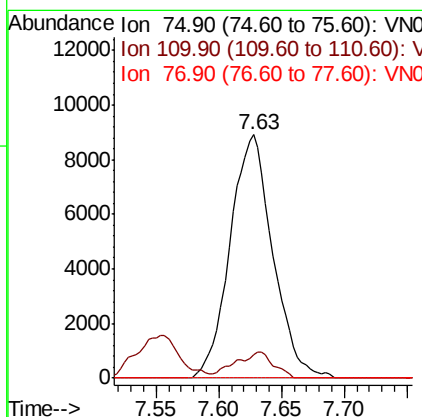
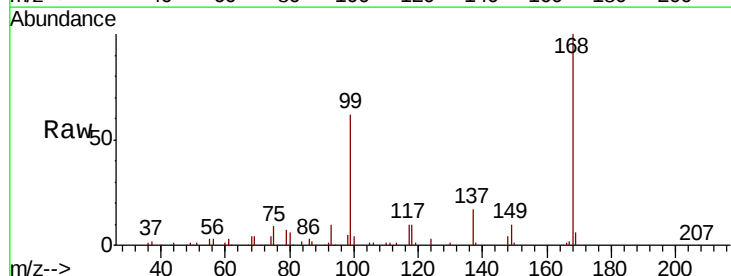
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ124-20200930

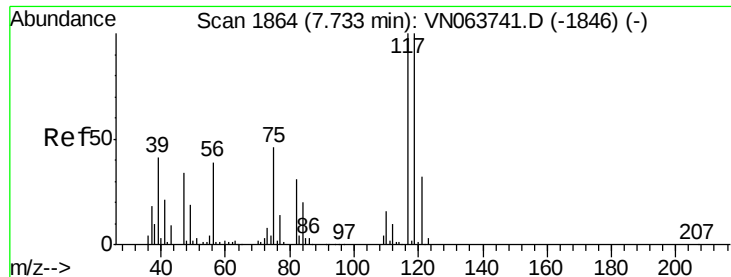
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	18.6	14.2	21.2



#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063993.D
 Acq: 8 Oct 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.9	50.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 5.324 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ124-20200930

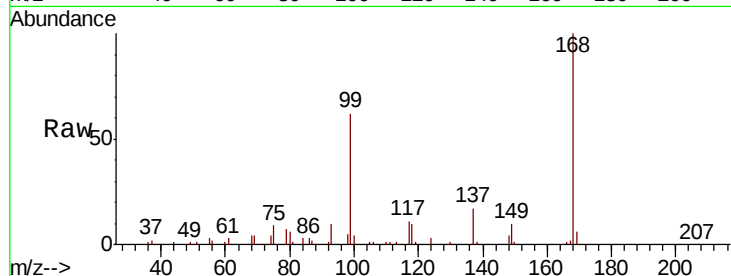
Tot Ion:117 Resp: 26104

Ion Ratio Lower Upper

117 100

119 5.7 80.1 120.1#

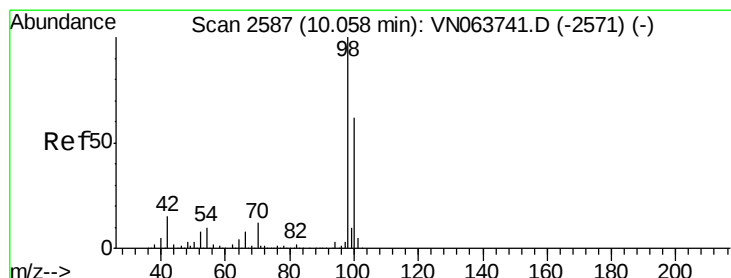
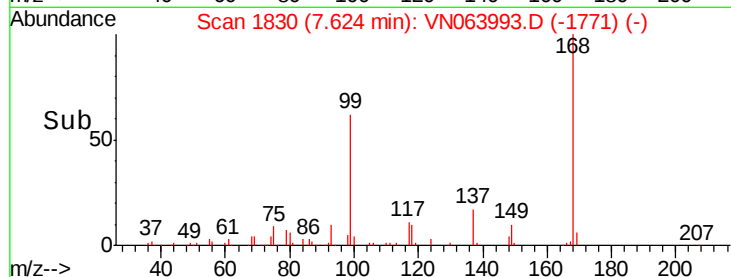
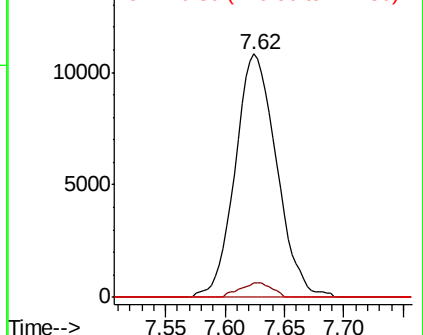
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 49.088 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063993.D

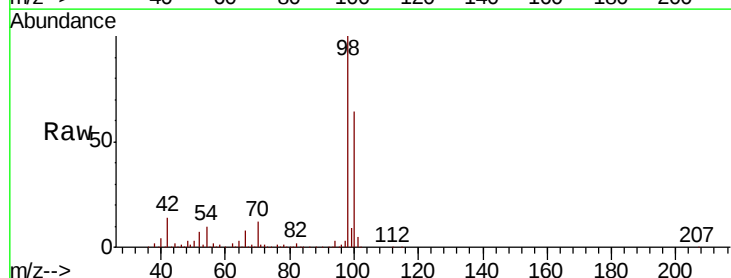
Acq: 8 Oct 2020 16:06

Tgt Ion: 98 Resp: 557269

Ion Ratio Lower Upper

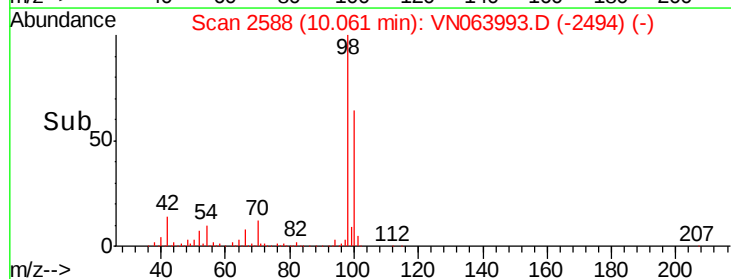
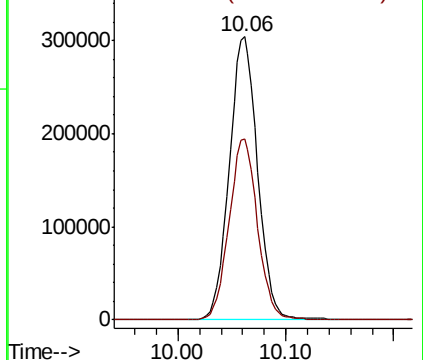
98 100

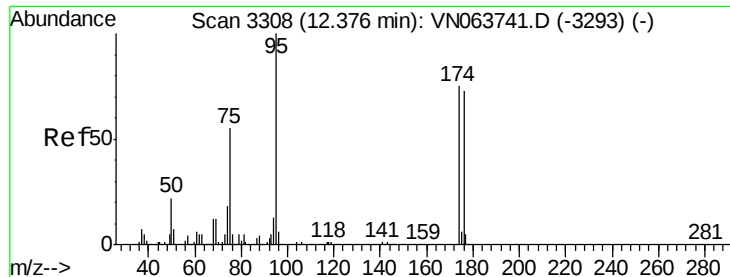
100 64.2 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

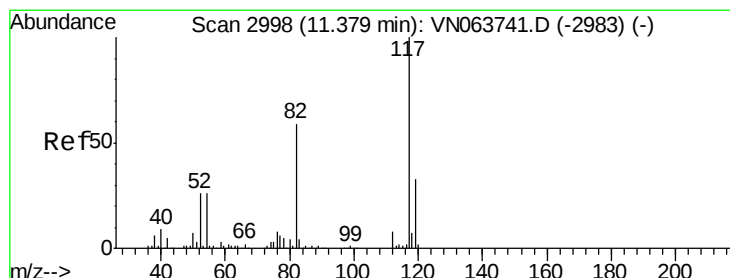
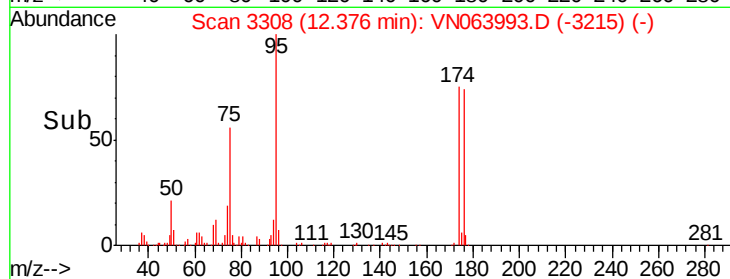
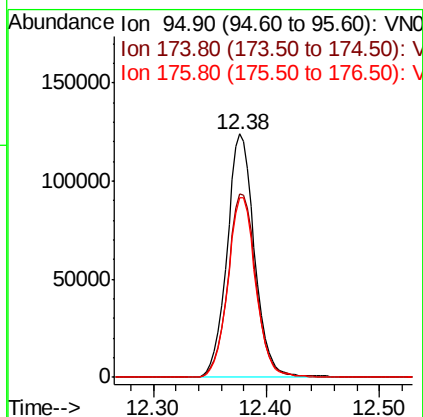
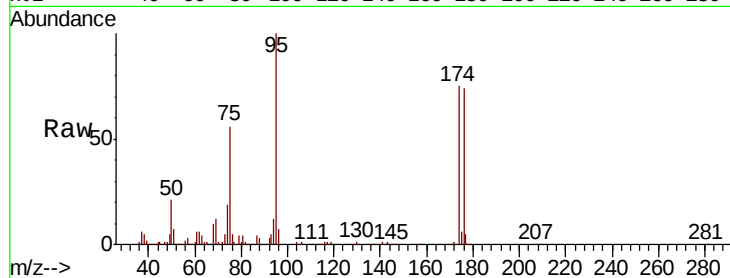




#62
4-Bromofluorobenzene
Concen: 48.925 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063993.D
Acq: 8 Oct 2020 16:06

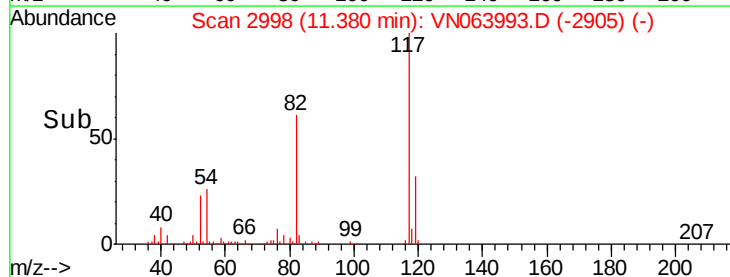
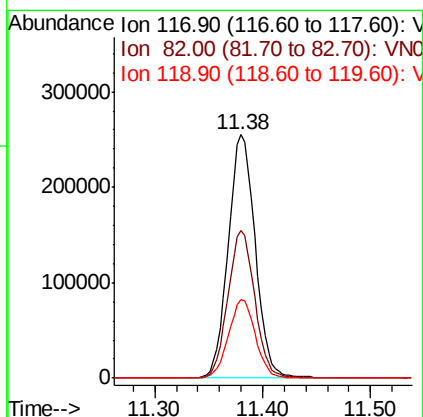
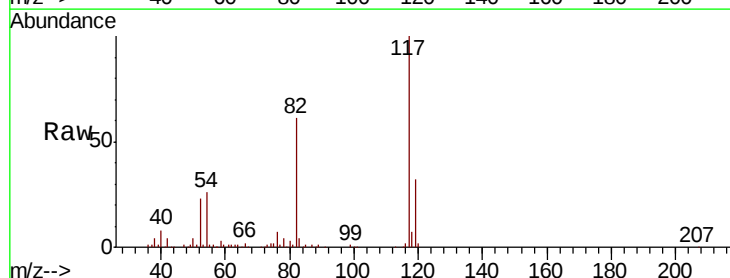
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ124-20200930

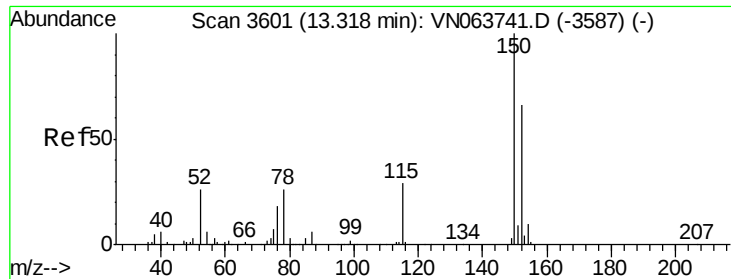
Tot Ion: 95 Resp: 208787
Ion Ratio Lower Upper
95 100
174 77.6 0.0 150.6
176 74.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063993.D
Acq: 8 Oct 2020 16:06

Tgt Ion: 117 Resp: 447088
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.3 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ124-20200930

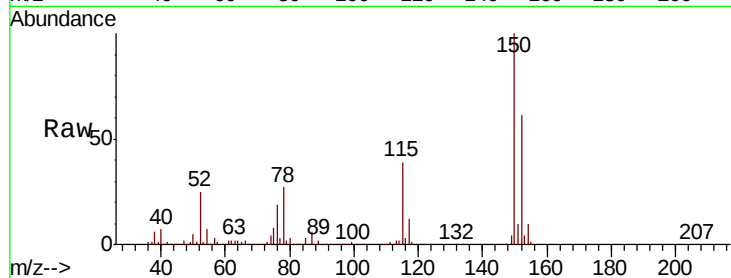
Tot Ion:152 Resp: 172048

Ion Ratio Lower Upper

152 100

115 62.0 31.3 93.8

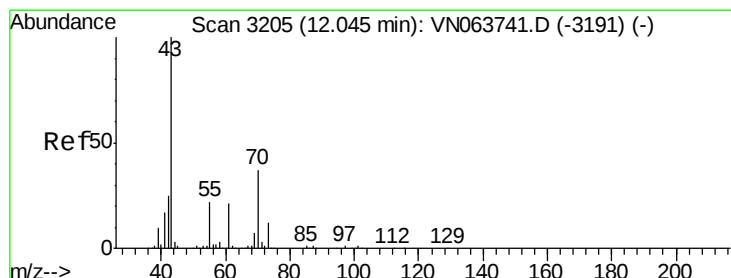
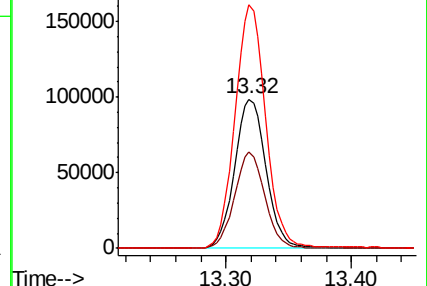
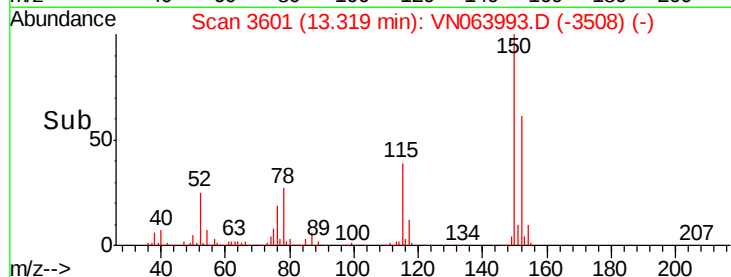
150 158.5 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.274 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Tgt Ion: 43 Resp: 356

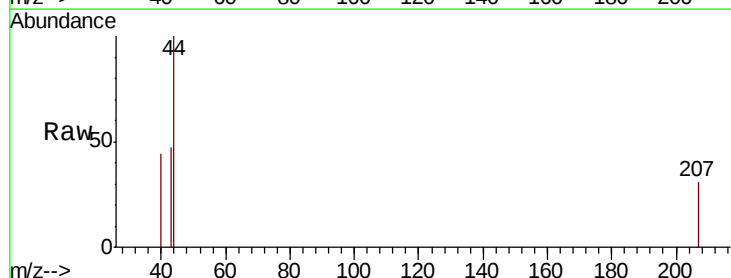
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

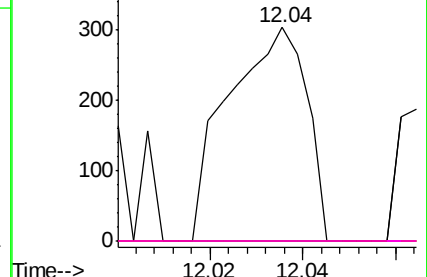
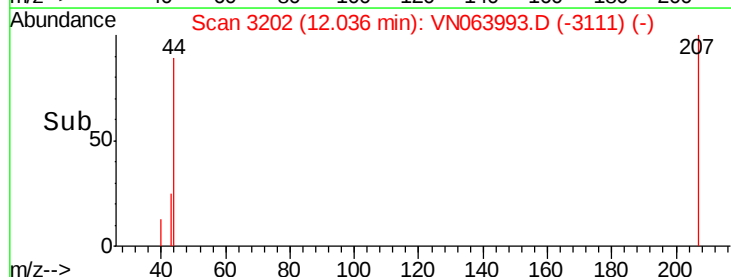


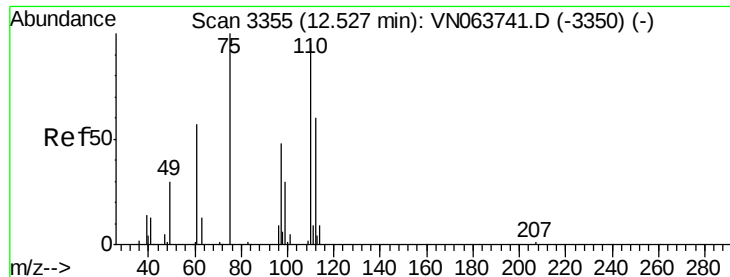
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.950 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

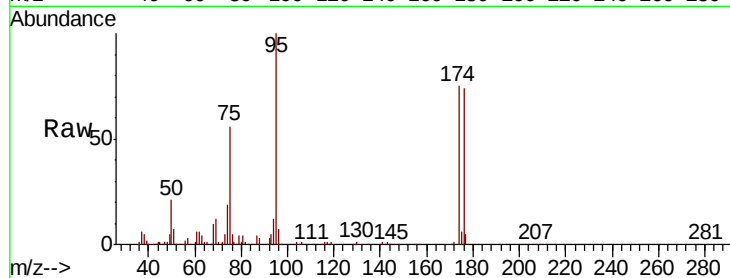
SA-PZ124-20200930

Tot Ion: 75 Resp: 117382

Ion Ratio Lower Upper

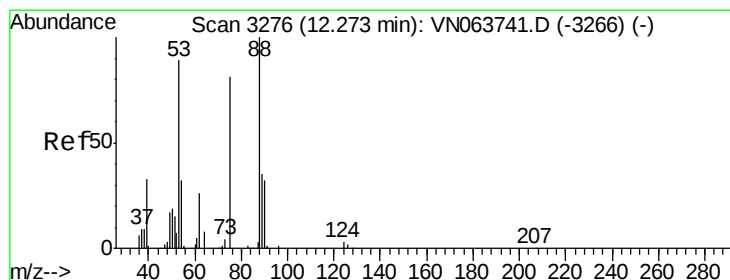
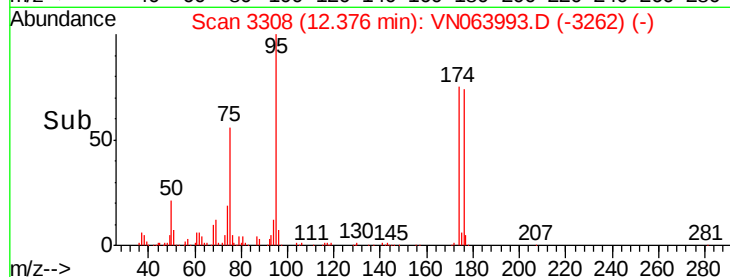
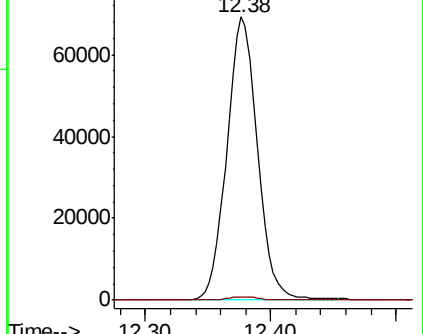
75 100

77 1.1 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: 89.141 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063993.D

Acq: 8 Oct 2020 16:06

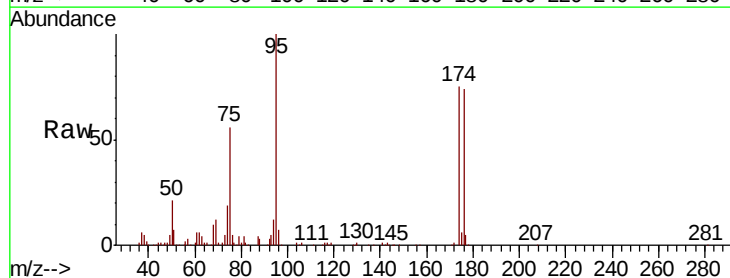
Tgt Ion: 75 Resp: 117382

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

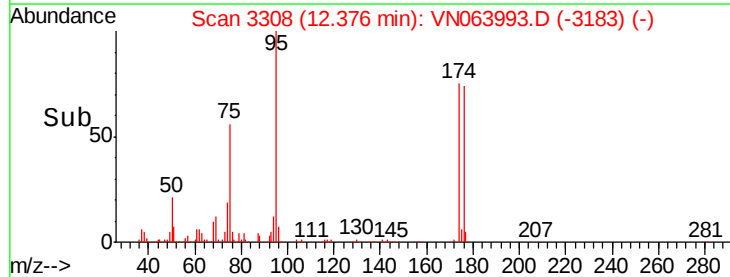
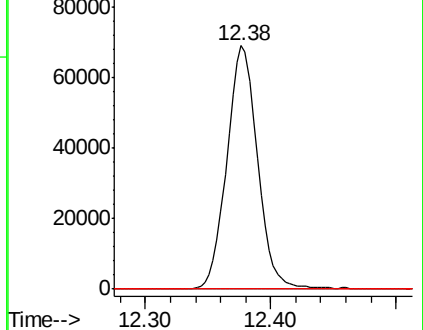
89 0.0 36.0 54.0#

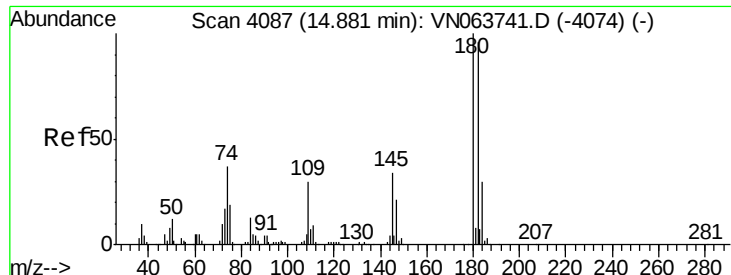


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#93
 1,2,4-Trichlorobenzene
 Concen: 1.797 ug/l
 RT: 14.90 min Scan# 4094
 Delta R.T. 0.02 min
 Lab File: VN063993.D
 Acq: 8 Oct 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ124-20200930

Tot Ion:	180	Resp:	187
Ion	Ratio	Lower	Upper
180	100		
182	139.0	48.2	144.6
145	0.0	17.1	51.2

