

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091819\
 Data File : VX012504.D
 Acq On : 19 Sep 2019 03:51
 Operator : JC/SP
 Sample : K4858-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190909

Quant Time: Sep 19 06:10:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	188629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299919	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96652	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	126306	46.72	ug/l	0.00
Spiked Amount						
			Recovery	=	93.44%	
35) Dibromofluoromethane	5.49	113	88950	49.00	ug/l	0.00
Spiked Amount						
			Recovery	=	98.00%	
50) Toluene-d8	8.71	98	341284	50.79	ug/l	0.00
Spiked Amount						
			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.14	95	119729	42.92	ug/l	0.00
Spiked Amount						
			Recovery	=	85.84%	

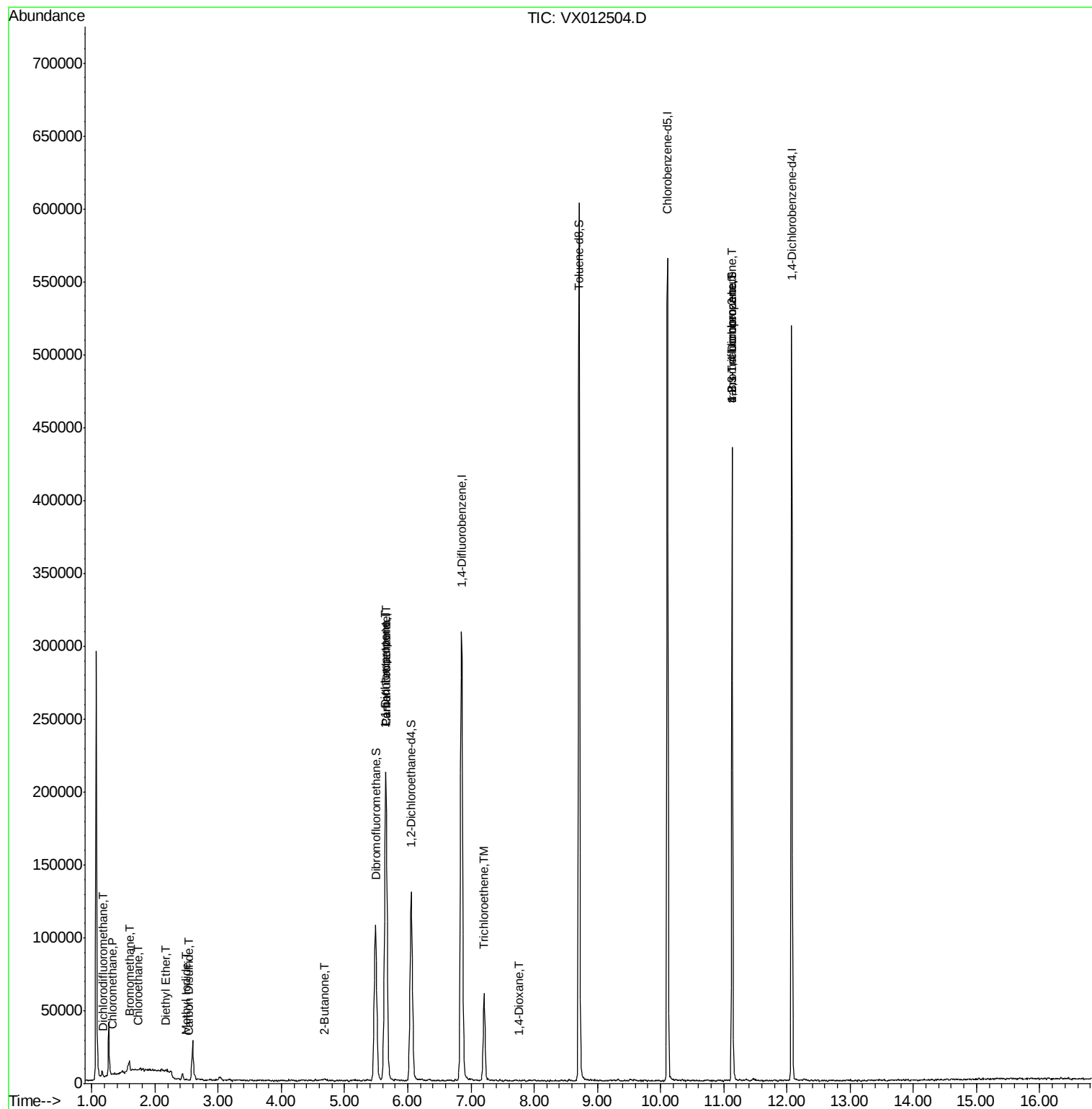
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	25	0.411	ug/l #	43
3) Chloromethane	1.32	50	478	0.461	ug/l	90
5) Bromomethane	1.60	94	231	0.525	ug/l #	40
6) Chloroethane	1.73	64	256	0.292	ug/l #	45
8) Diethyl Ether	2.17	74	207	0.223	ug/l	97
10) Methyl Iodide	2.50	142	130	4.535	ug/l #	88
11) Tert butyl alcohol	3.03	59	2499	Below Cal		95
13) Acrolein	2.26	56	328	Below Cal	#	80
16) Acetone	2.43	43	4050	Below Cal		97
17) Carbon Disulfide	2.54	76	40	1.829	ug/l #	75
25) 2-Butanone	4.67	43	683	0.364	ug/l #	69
36) 1,1-Dichloropropene	5.64	75	16072	8.817	ug/l #	54
38) Carbon Tetrachloride	5.65	117	21054	9.287	ug/l #	16
44) Trichloroethene	7.21	130	21890	14.357	ug/l	95
49) 1,4-Dioxane	7.76	88	22	0.382	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	61135	27.536	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	61135	74.012	ug/l #	8

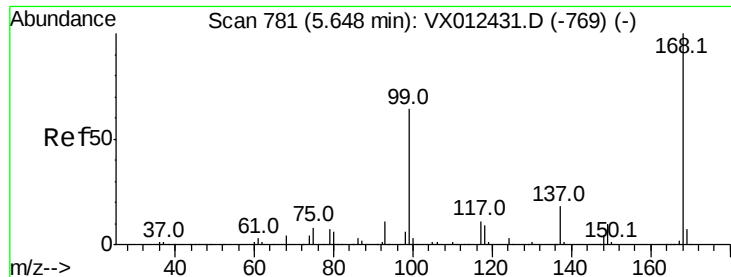
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 17 15:27:10 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

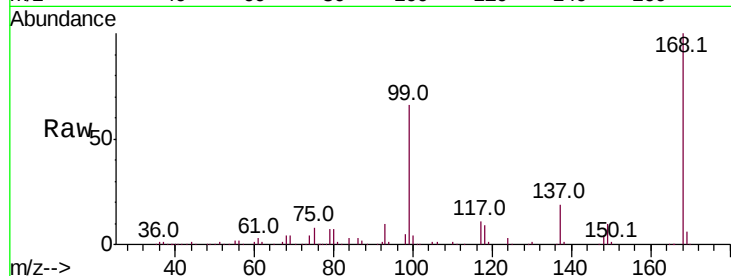
RE122D3-20190909

Tot Ion:168 Resp: 188629

Ion Ratio Lower Upper

168 100

99 65.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

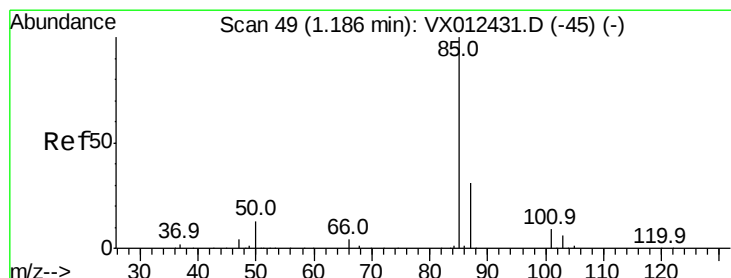
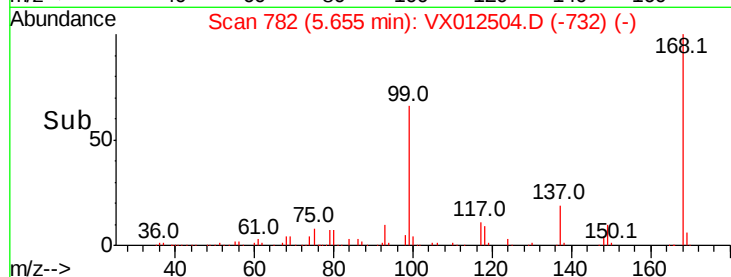
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.411 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012504.D

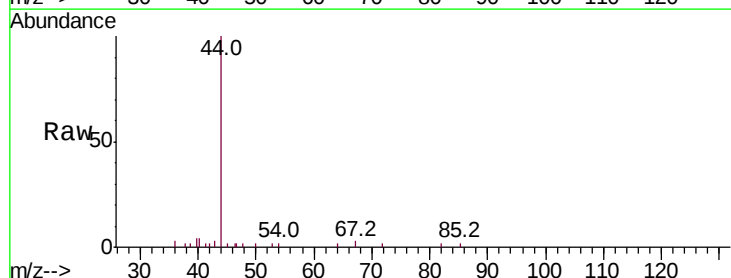
Acq: 19 Sep 2019 03:51

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

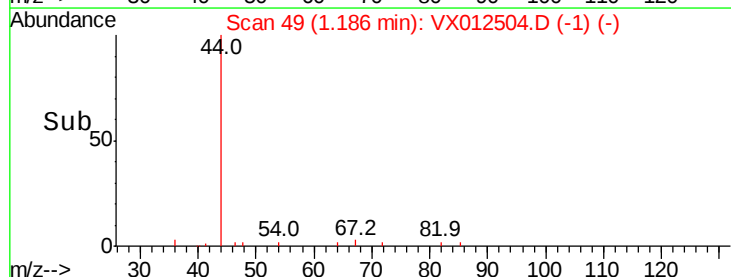
60

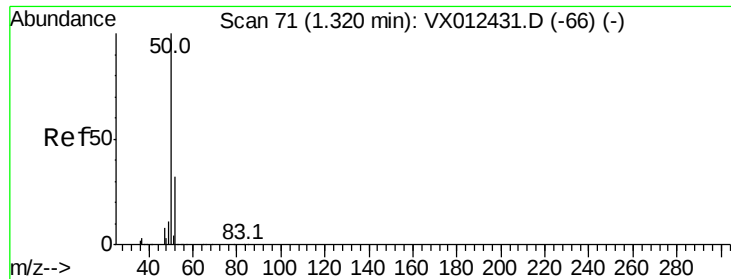
40

20

0

Time--> 1.17 1.18 1.19 1.20





#3

Chloromethane

Concen: 0.461 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

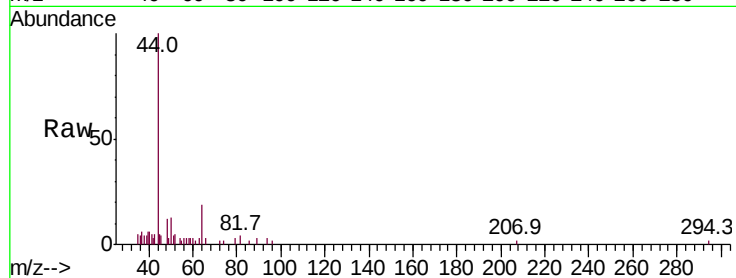
RE122D3-20190909

Tot Ion: 50 Resp: 478

Ion Ratio Lower Upper

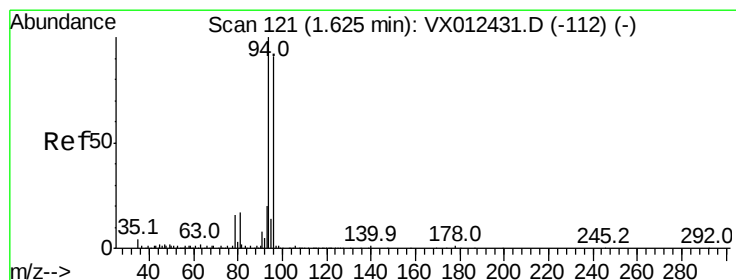
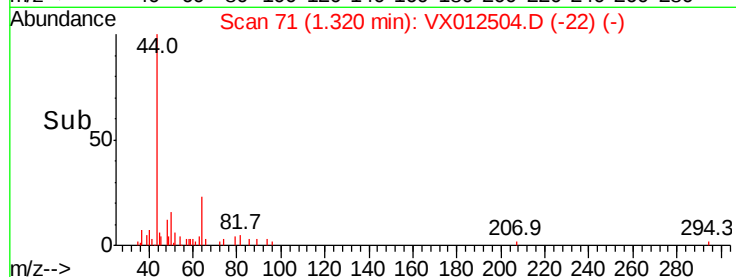
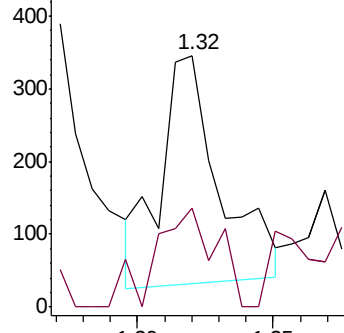
50 100

52 26.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.525 ug/l

RT: 1.60 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX012504.D

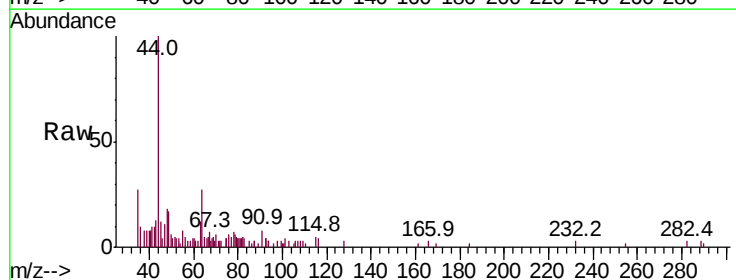
Acq: 19 Sep 2019 03:51

Tgt Ion: 94 Resp: 231

Ion Ratio Lower Upper

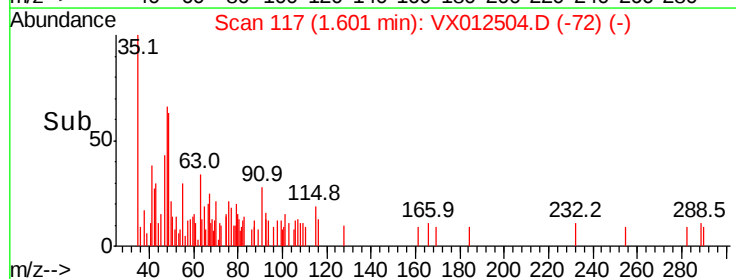
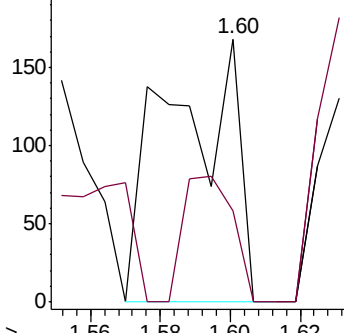
94 100

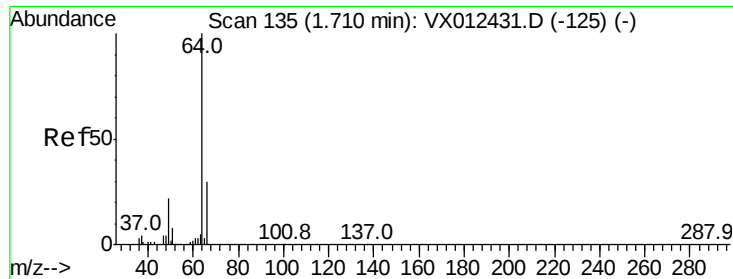
96 34.5 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.292 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

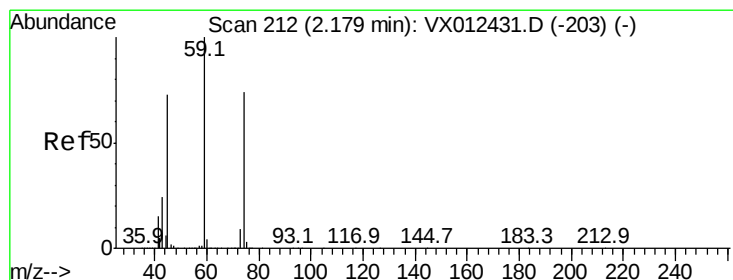
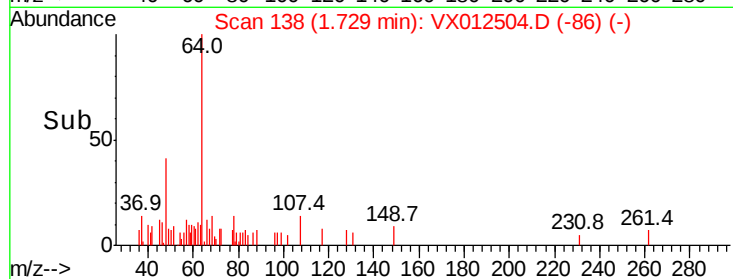
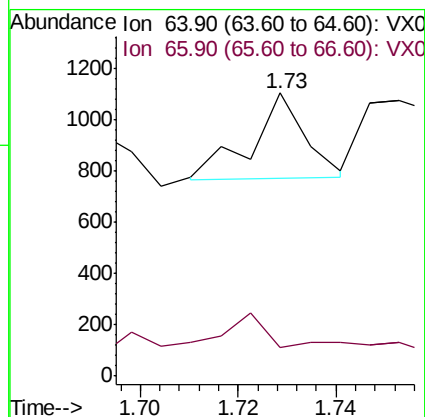
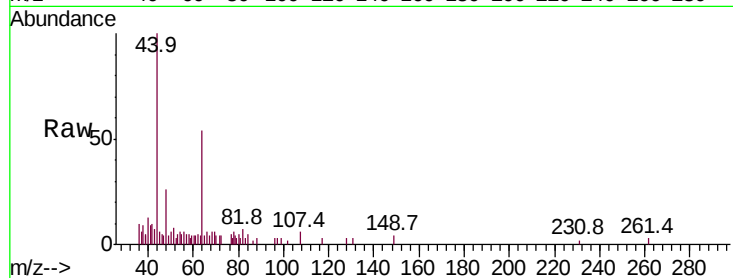
RE122D3-20190909

Tot Ion: 64 Resp: 256

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#8

Diethyl Ether

Concen: 0.223 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX012504.D

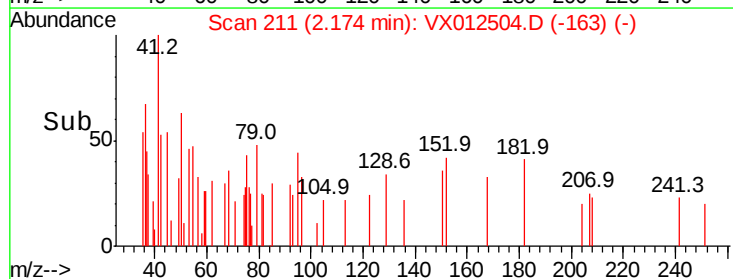
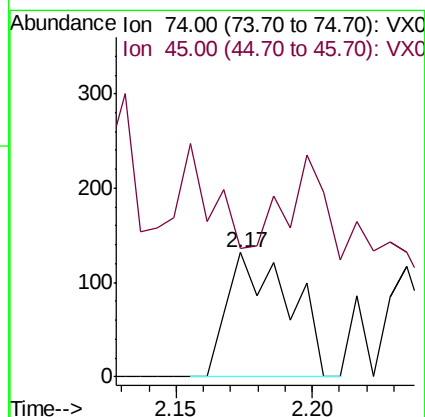
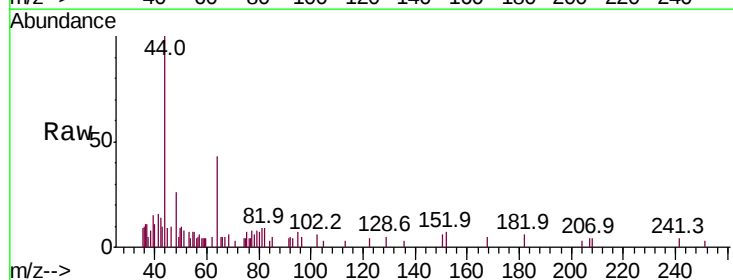
Acq: 19 Sep 2019 03:51

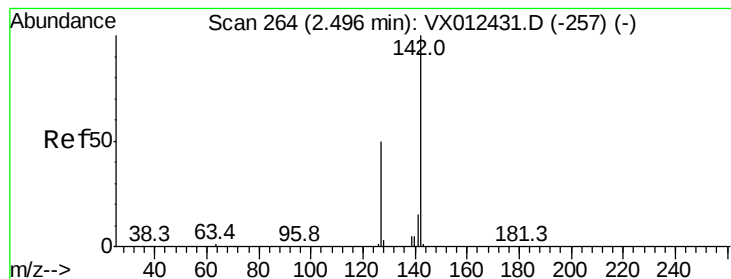
Tgt Ion: 74 Resp: 207

Ion Ratio Lower Upper

74 100

45 97.1 49.9 149.7





#10

Methyl Iodide

Concen: 4.535 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190909

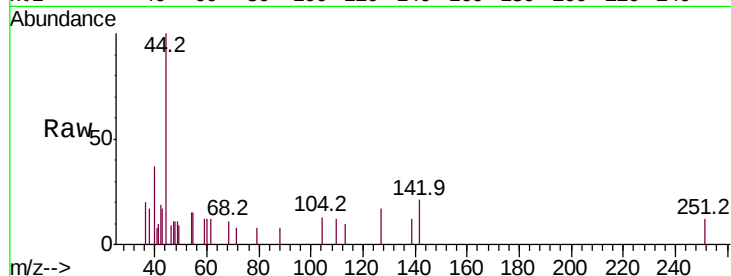
Tot Ion:142 Resp: 130

Ion Ratio Lower Upper

142 100

127 47.7 40.8 61.2

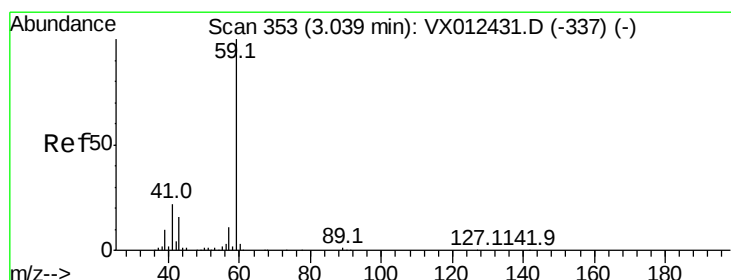
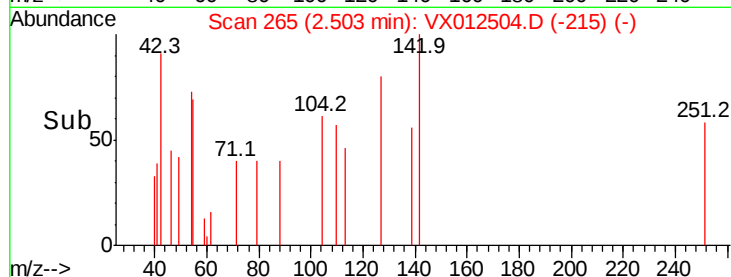
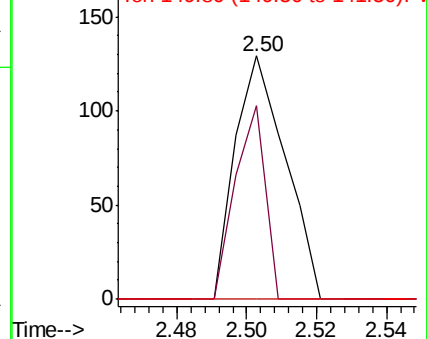
141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012504.D

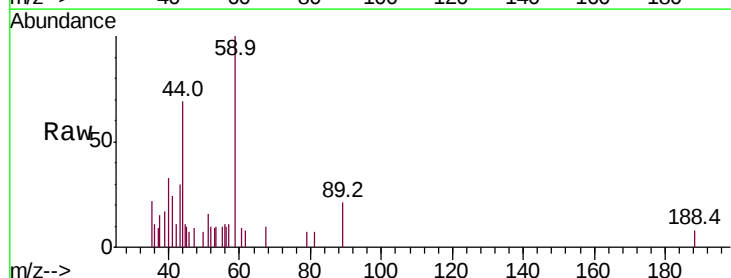
Acq: 19 Sep 2019 03:51

Tgt Ion: 59 Resp: 2499

Ion Ratio Lower Upper

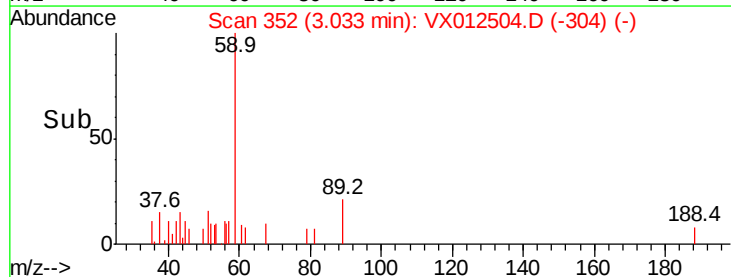
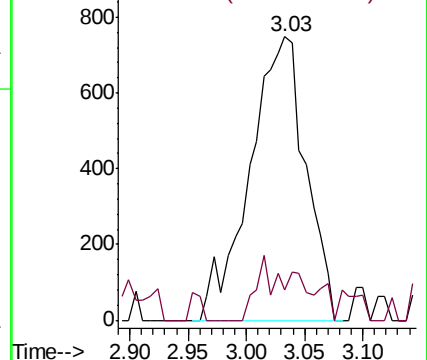
59 100

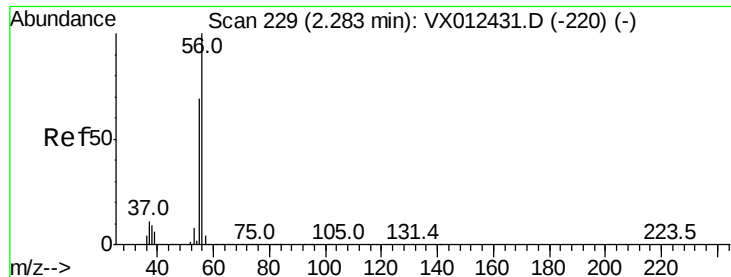
57 8.6 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

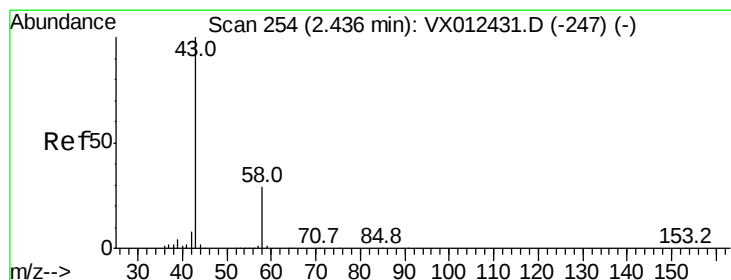
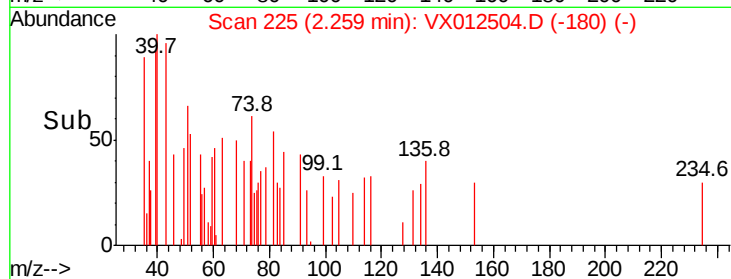
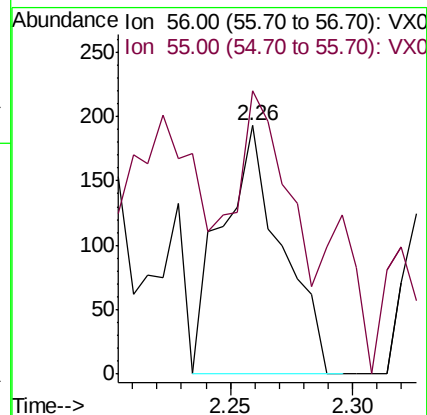
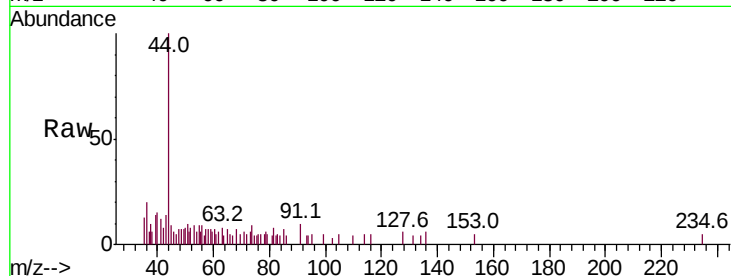
RE122D3-20190909

Tot Ion: 56 Resp: 328

Ion Ratio Lower Upper

56 100

55 53.7 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012504.D

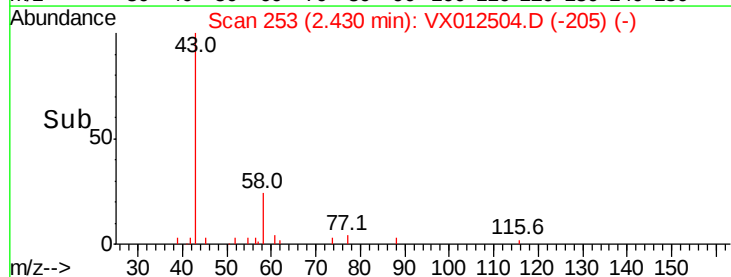
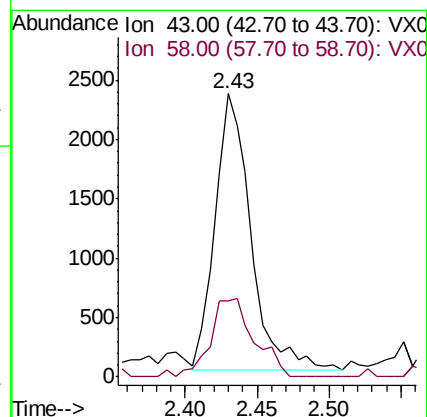
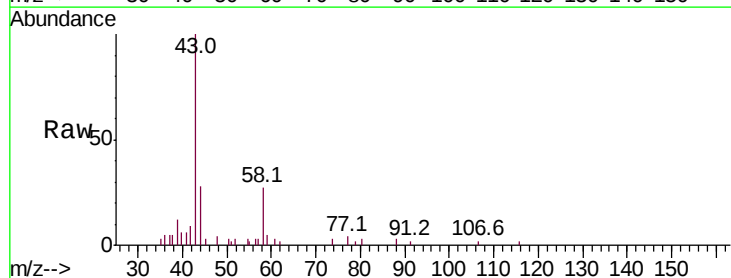
Acq: 19 Sep 2019 03:51

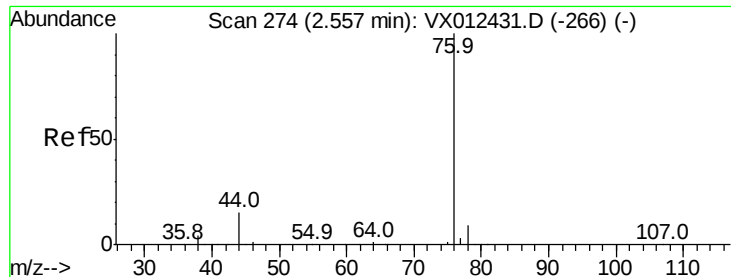
Tgt Ion: 43 Resp: 4050

Ion Ratio Lower Upper

43 100

58 27.5 23.3 34.9





#17

Carbon Disulfide

Concen: 1.829 ug/l

RT: 2.54 min Scan# 271

Delta R.T. -0.02 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

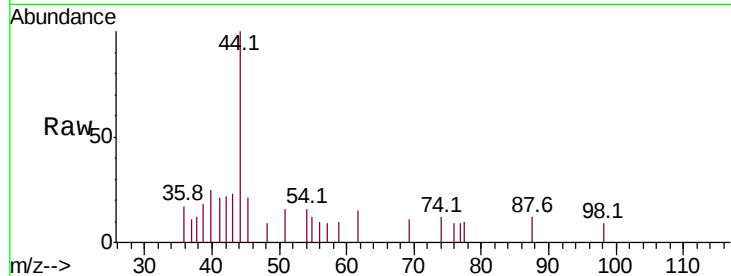
RE122D3-20190909

Tot Ion: 76 Resp: 40

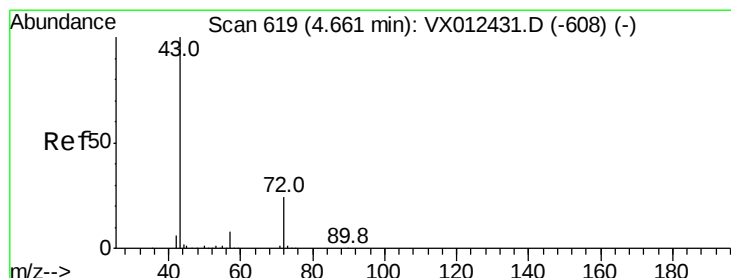
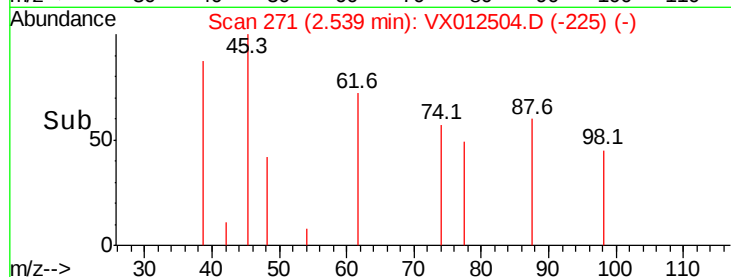
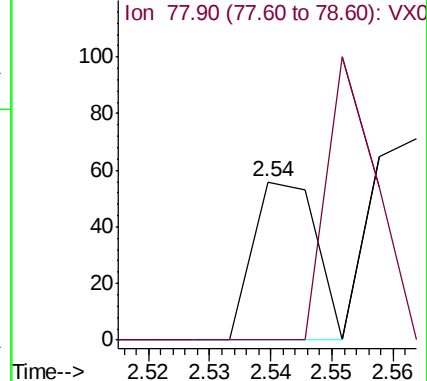
Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0



#25

2-Butanone

Concen: 0.364 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012504.D

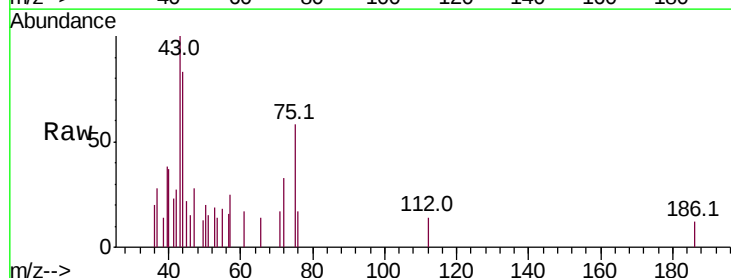
Acq: 19 Sep 2019 03:51

Tgt Ion: 43 Resp: 683

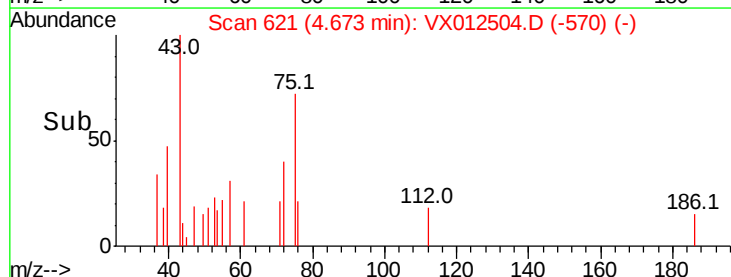
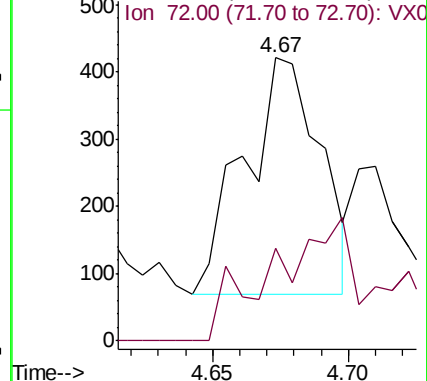
Ion Ratio Lower Upper

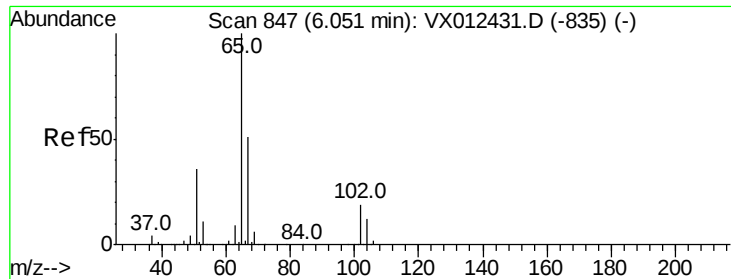
43 100

72 39.2 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.721 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

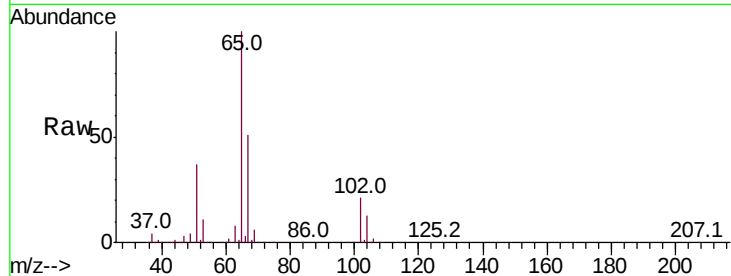
RE122D3-20190909

Tot Ion: 65 Resp: 126306

Ion Ratio Lower Upper

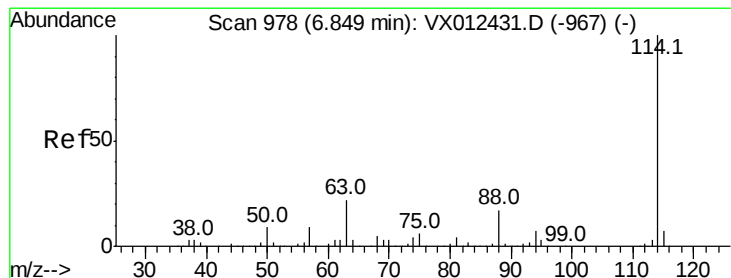
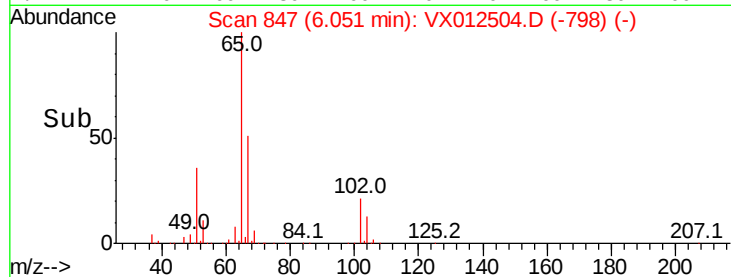
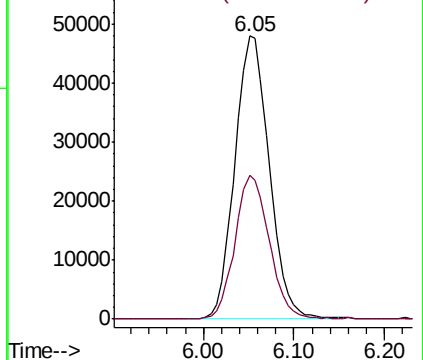
65 100

67 50.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

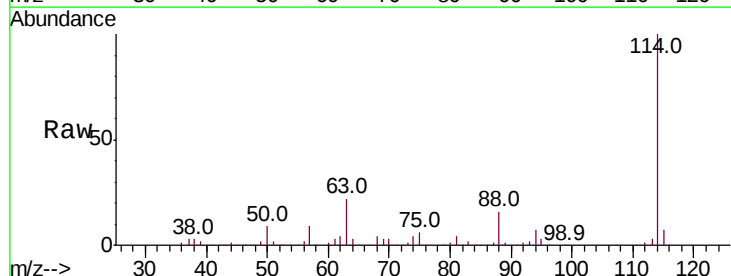
Tgt Ion: 114 Resp: 299919

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

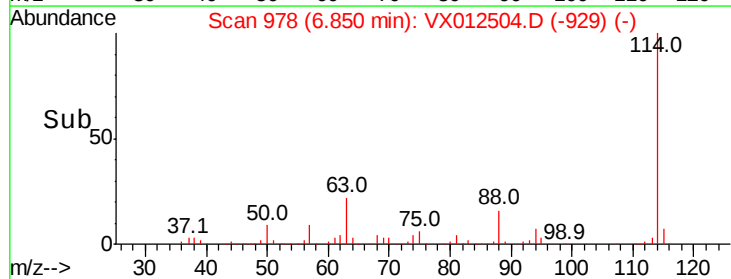
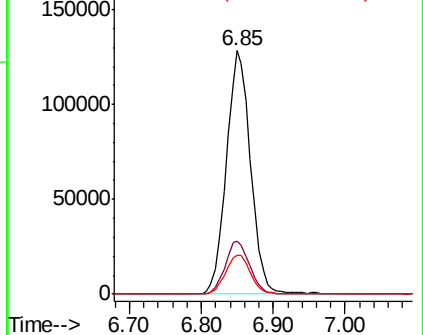
88 16.1 0.0 33.2

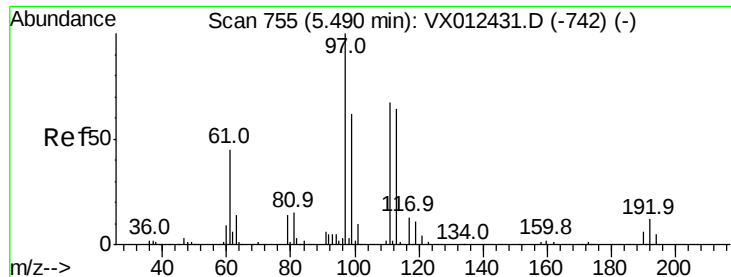


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

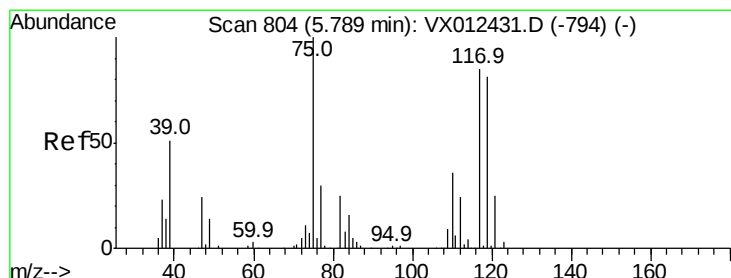
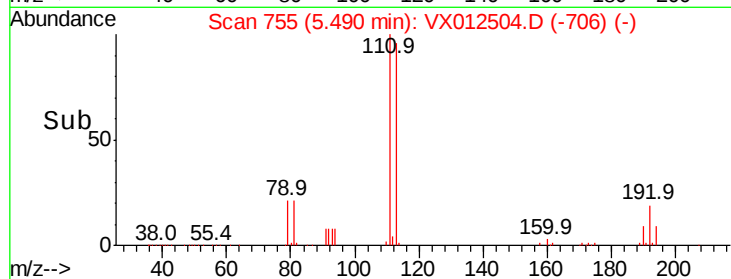
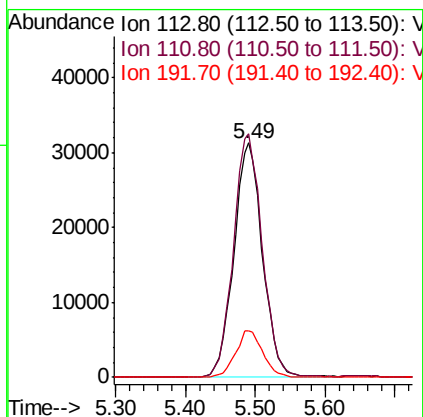
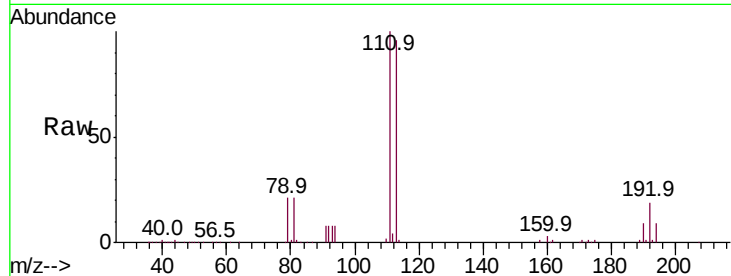




#35
 Dibromofluoromethane
 Concen: 49.001 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012504.D
 Acq: 19 Sep 2019 03:51

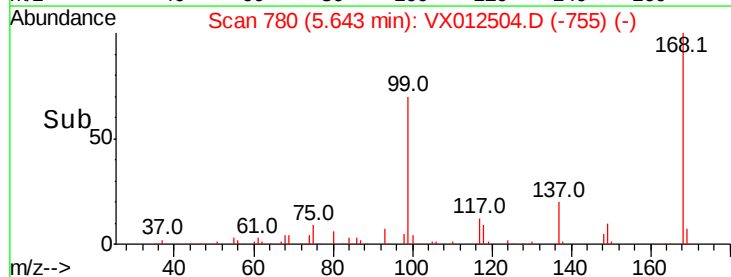
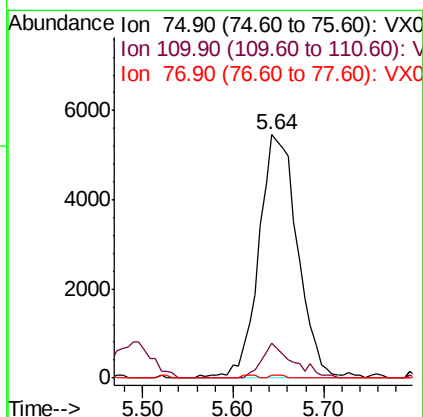
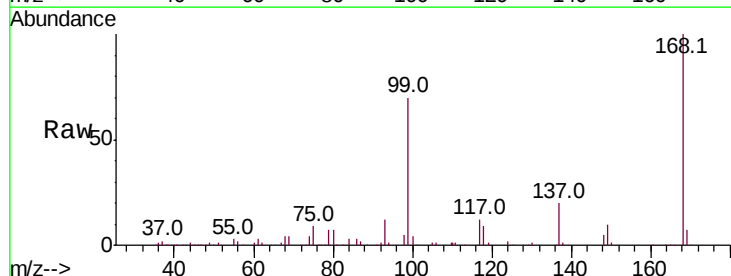
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190909

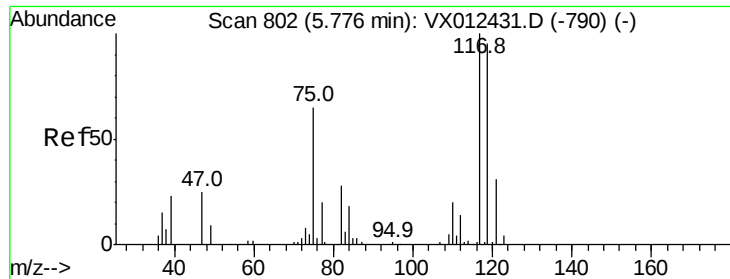
Tot Ion:113 Resp: 88950
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.4 125.2
 192 18.8 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 8.817 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012504.D
 Acq: 19 Sep 2019 03:51

Tgt Ion: 75 Resp: 16072
 Ion Ratio Lower Upper
 75 100
 110 11.6 16.7 50.0#
 77 0.4 24.2 36.2#

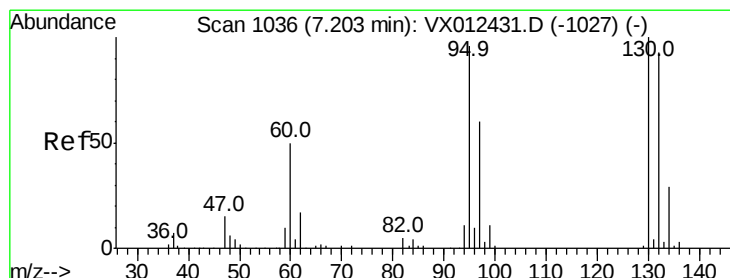
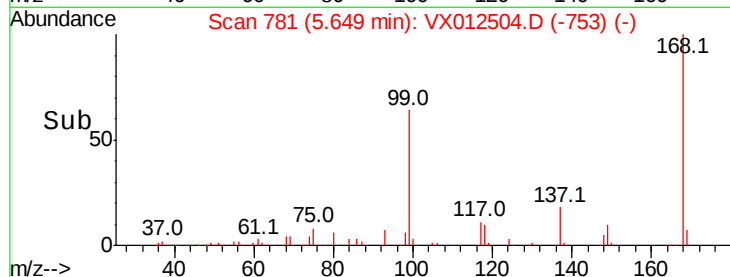
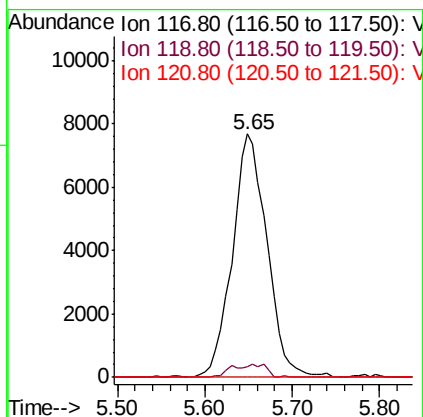
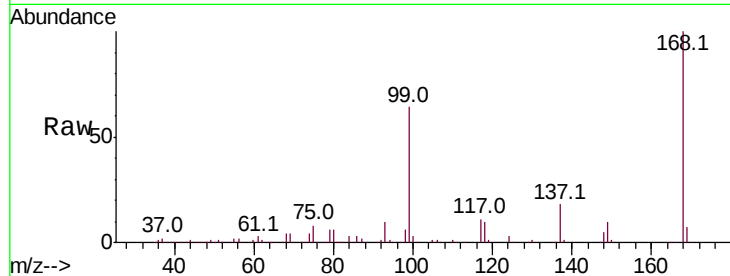




#38
Carbon Tetrachloride
Concen: 9.287 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012504.D
Acq: 19 Sep 2019 03:51

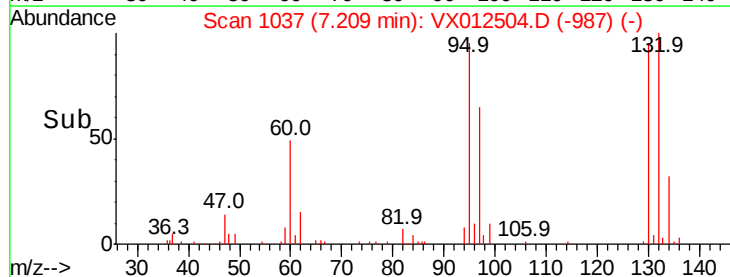
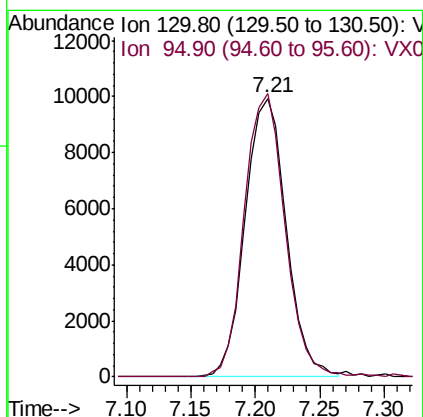
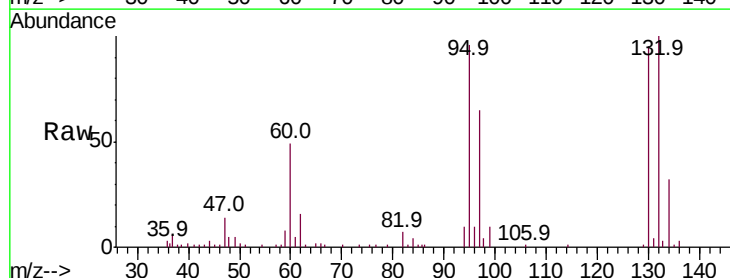
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190909

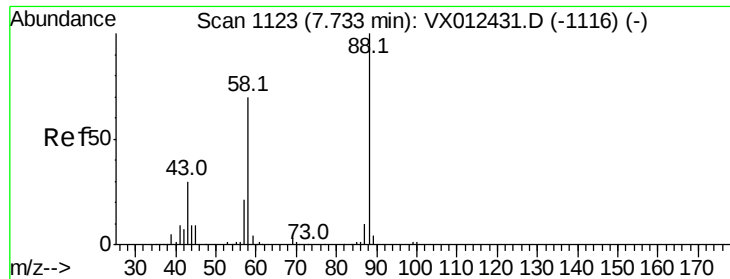
Tot Ion:117 Resp: 21054
Ion Ratio Lower Upper
117 100
119 4.4 75.7 113.5#
121 0.0 24.2 36.4#



#44
Trichloroethene
Concen: 14.357 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012504.D
Acq: 19 Sep 2019 03:51

Tgt Ion:130 Resp: 21890
Ion Ratio Lower Upper
130 100
95 101.5 0.0 193.0

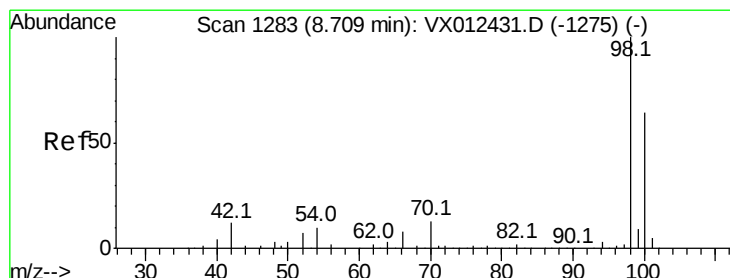
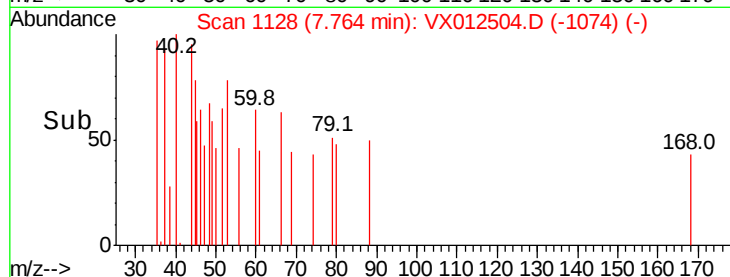
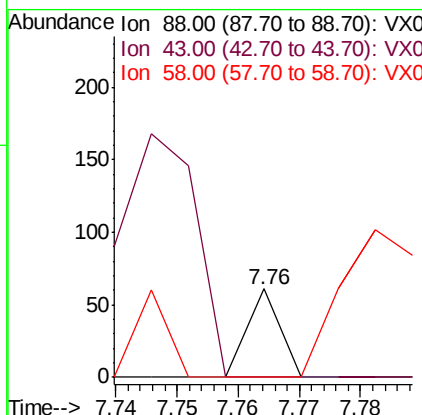
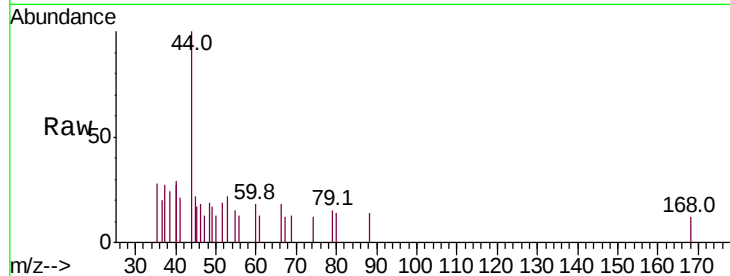




#49
1,4-Dioxane
Concen: 0.382 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.03 min
Lab File: VX012504.D
Acq: 19 Sep 2019 03:51

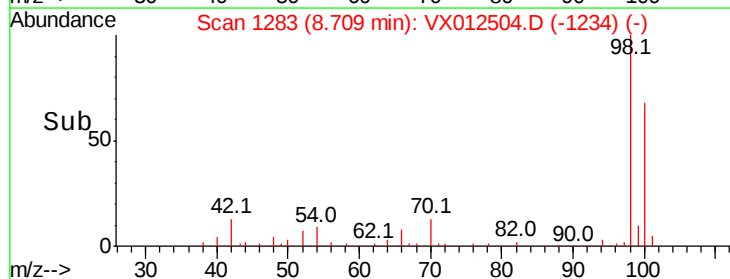
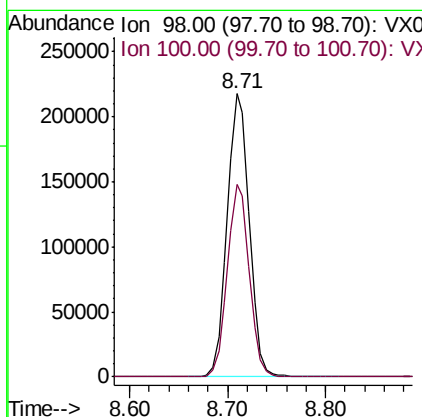
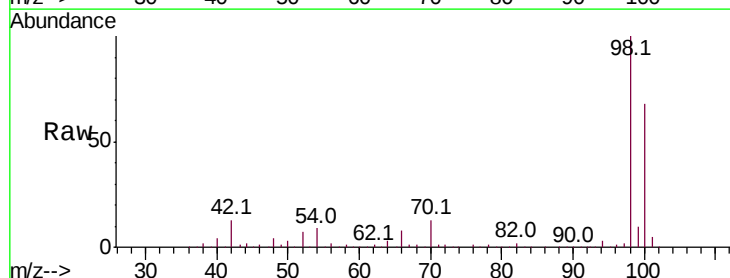
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190909

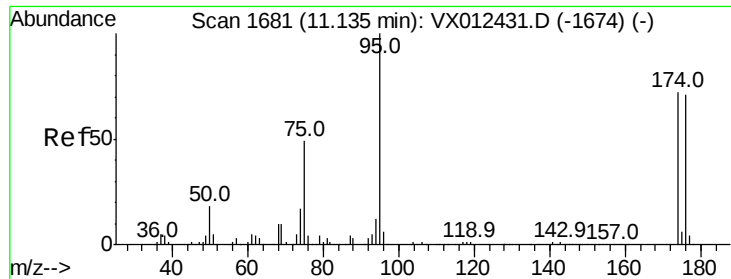
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 827.3 29.4 44.0#
58 100.0 57.5 86.3#



#50
Toluene-d8
Concen: 50.793 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012504.D
Acq: 19 Sep 2019 03:51

Tgt Ion: 98 Resp: 341284
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 42.916 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190909

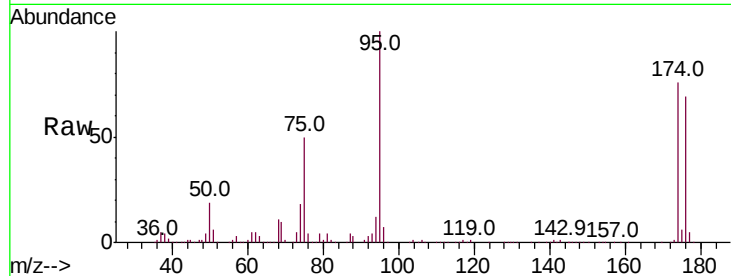
Tot Ion: 95 Resp: 119729

Ion Ratio Lower Upper

95 100

174 70.8 0.0 140.0

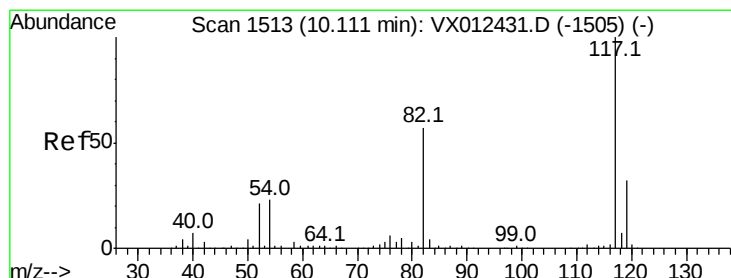
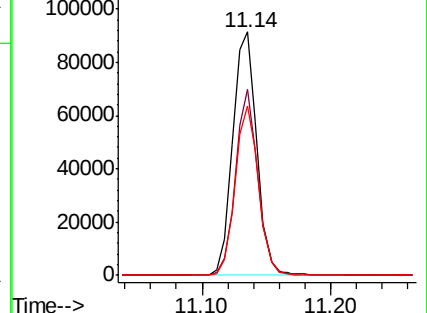
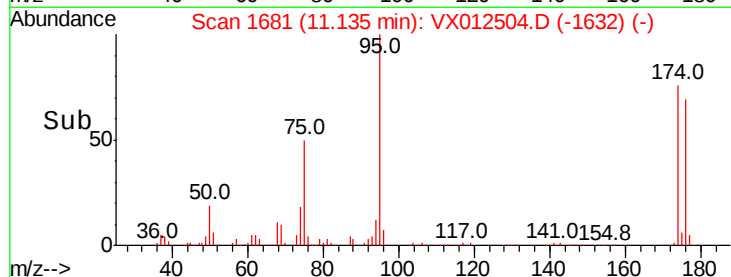
176 67.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012504.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012504.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012504.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

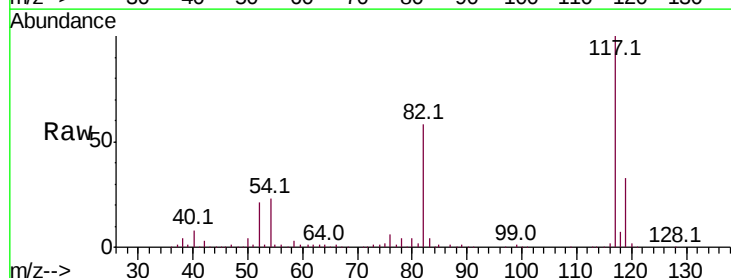
Tgt Ion: 117 Resp: 247785

Ion Ratio Lower Upper

117 100

82 57.8 45.9 68.9

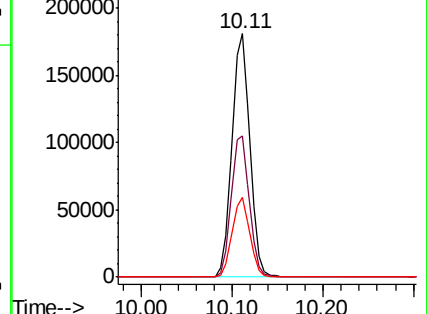
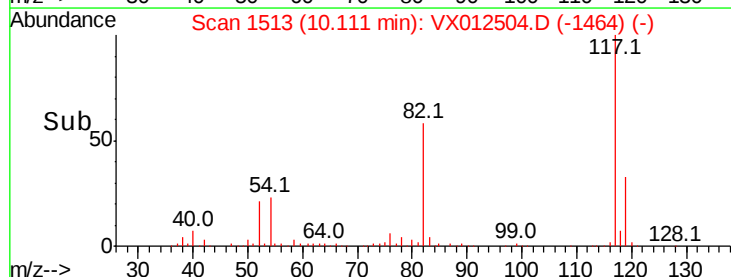
119 32.6 25.3 37.9

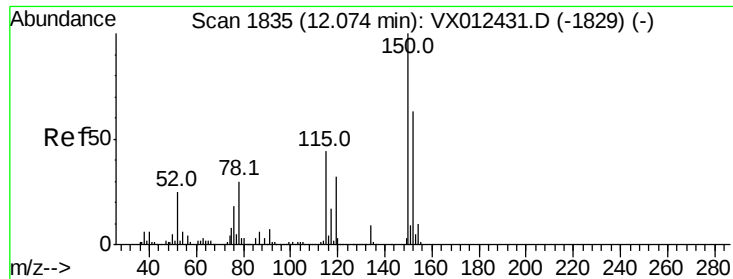


Abundance Ion 116.90 (116.60 to 117.60): VX012504.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012504.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012504.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190909

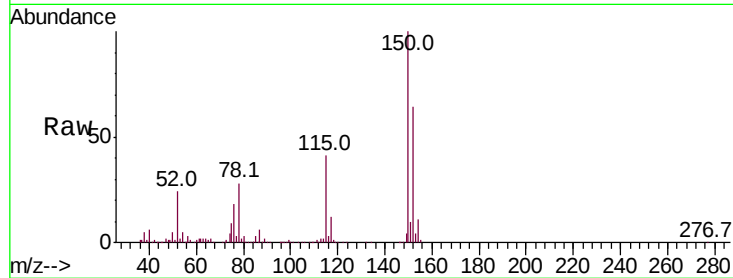
Tot Ion:152 Resp: 96652

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.3

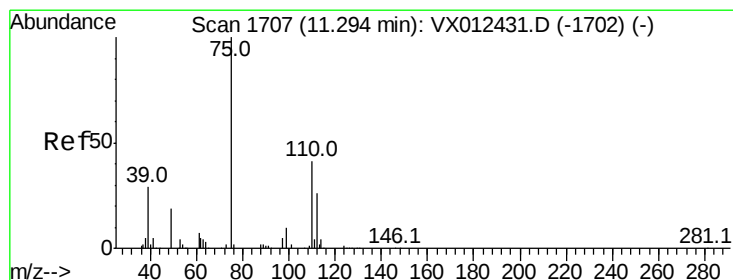
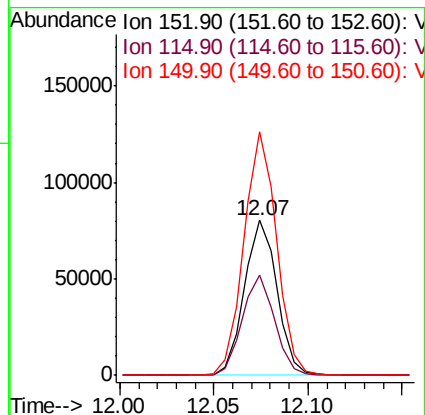
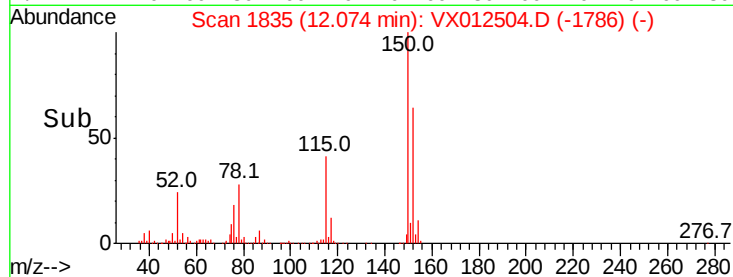
150 157.3 0.0 343.8



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: 27.536 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012504.D

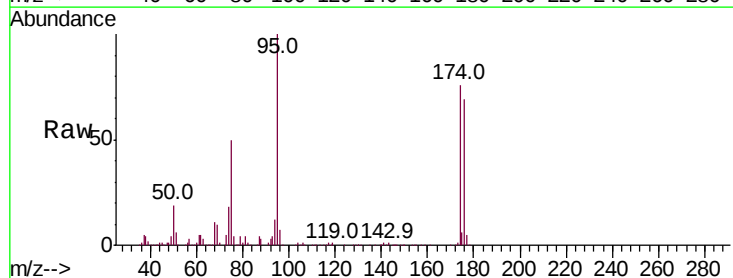
Acq: 19 Sep 2019 03:51

Tgt Ion: 75 Resp: 61135

Ion Ratio Lower Upper

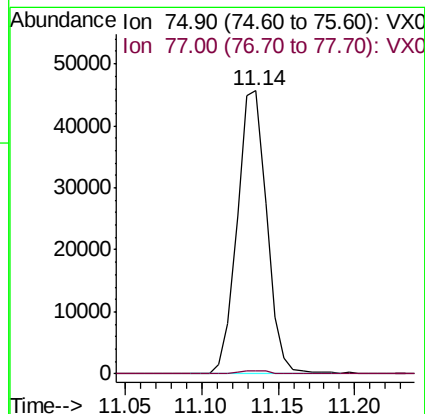
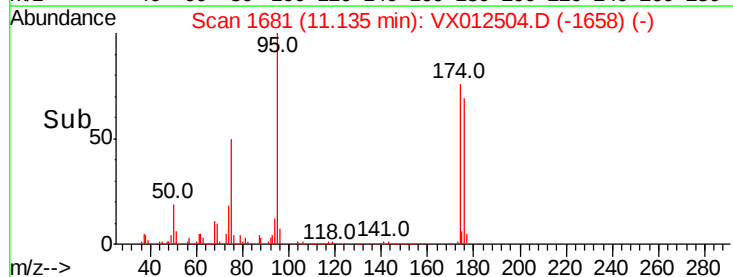
75 100

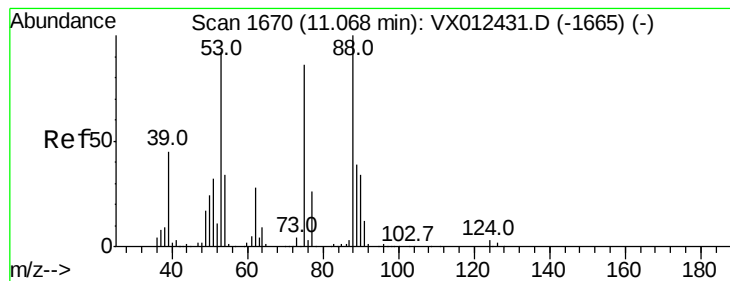
77 1.3 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.012 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012504.D

Acq: 19 Sep 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190909

Tot Ion: 75 Resp: 61135

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

