

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012481.D
 Acq On : 18 Sep 2019 18:08
 Operator : JC/SP
 Sample : K4858-06DL 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190909DL

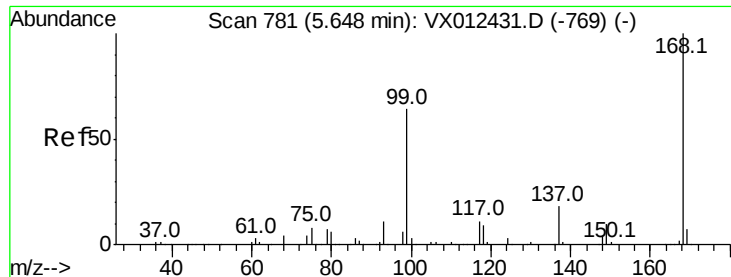
Quant Time: Sep 19 06:03:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	191673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108977	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	128349	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	5.49	113	92193	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	8.71	98	348854	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.14	95	126661	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	22	0.408	ug/l #	1
3) Chloromethane	1.32	50	308	0.292	ug/l #	49
5) Bromomethane	1.61	94	167	0.373	ug/l #	4
6) Chloroethane	1.66	64	2118	2.376	ug/l #	81
8) Diethyl Ether	2.03	74	221	0.234	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.37	101	351	0.232	ug/l #	66
10) Methyl Iodide	2.51	142	248	4.616	ug/l #	90
11) Tert butyl alcohol	3.01	59	10609	9.582	ug/l #	86
13) Acrolein	2.28	56	185	Below Cal	#	82
16) Acetone	2.44	43	906	Below Cal	#	87
17) Carbon Disulfide	2.55	76	399	2.032	ug/l #	75
20) Methylene Chloride	2.84	84	527	0.317	ug/l	94
36) 1,1-Dichloropropene	5.65	75	16249	8.921	ug/l #	53
38) Carbon Tetrachloride	5.65	117	20407	9.008	ug/l #	16
44) Trichloroethene	7.21	130	47706	31.309	ug/l	94
49) 1,4-Dioxane	7.74	88	96	1.667	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	65850	26.305	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	65850	70.842	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

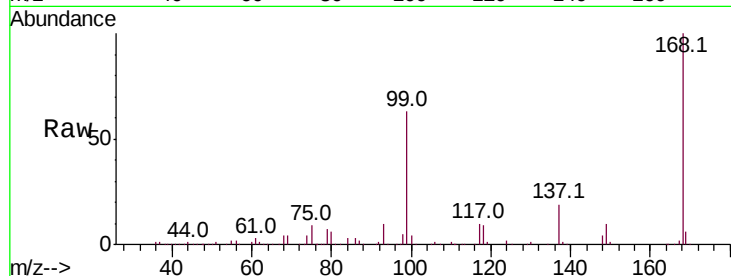
RE122D2-20190909DL

Tot Ion:168 Resp: 191673

Ion Ratio Lower Upper

168 100

99 62.5 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

80000

60000

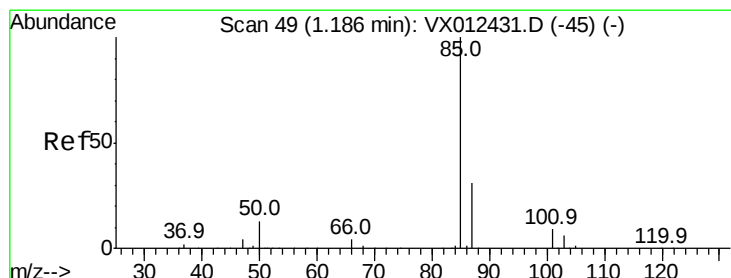
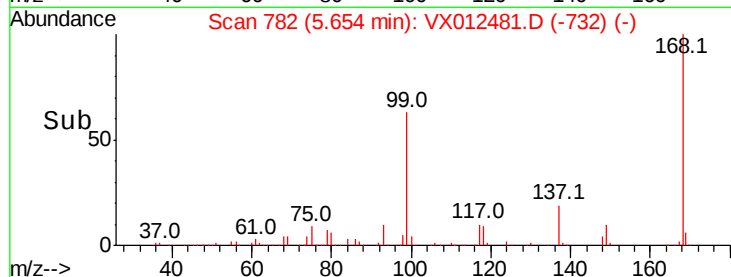
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.408 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012481.D

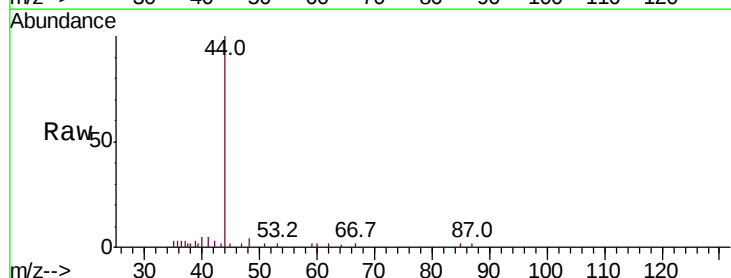
Acq: 18 Sep 2019 18:08

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

85 100

87 93.3 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

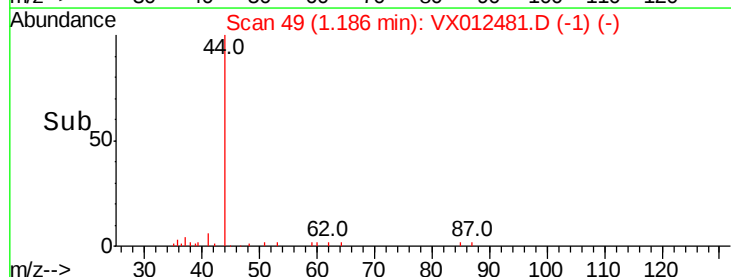
40

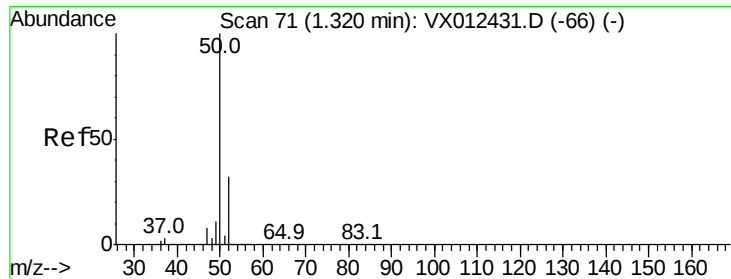
20

0

Time-->

1.17 1.18 1.19 1.20





#3

Chloromethane

Concen: 0.292 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

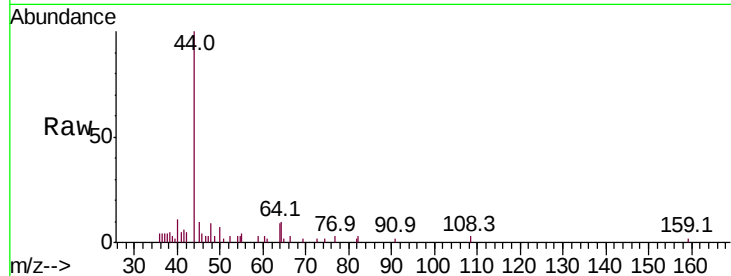
RE122D2-20190909DL

Tot Ion: 50 Resp: 308

Ion Ratio Lower Upper

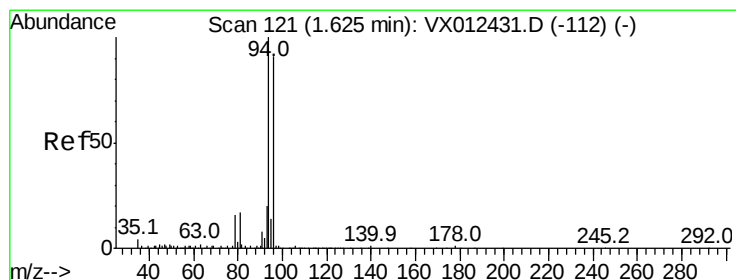
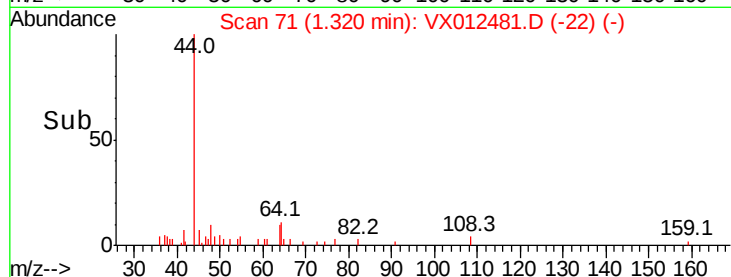
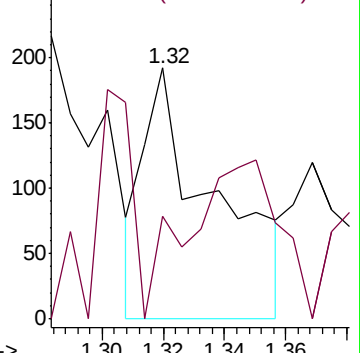
50 100

52 3.4 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: 0.373 ug/l

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX012481.D

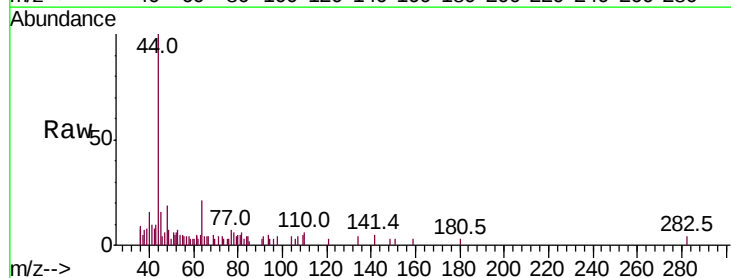
Acq: 18 Sep 2019 18:08

Tgt Ion: 94 Resp: 167

Ion Ratio Lower Upper

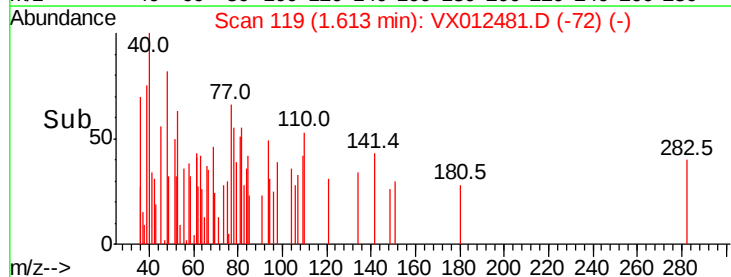
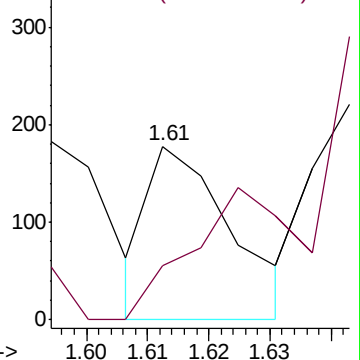
94 100

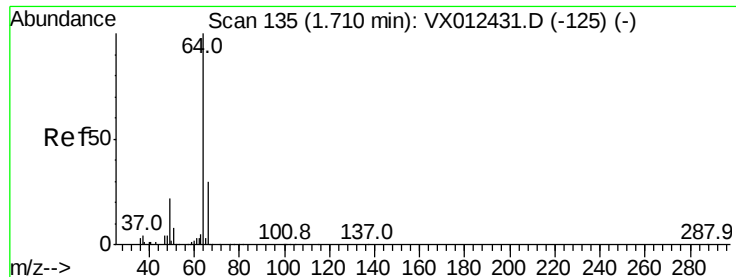
96 0.0 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.376 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

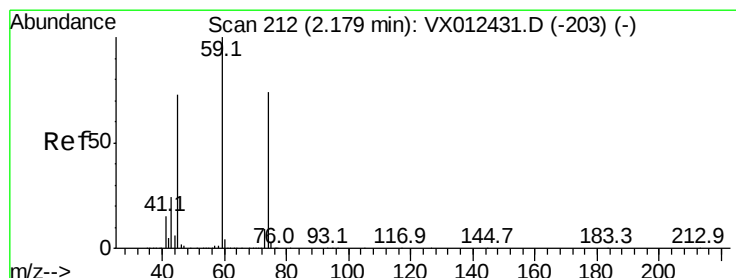
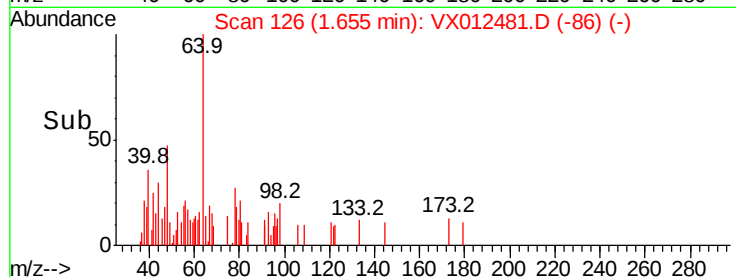
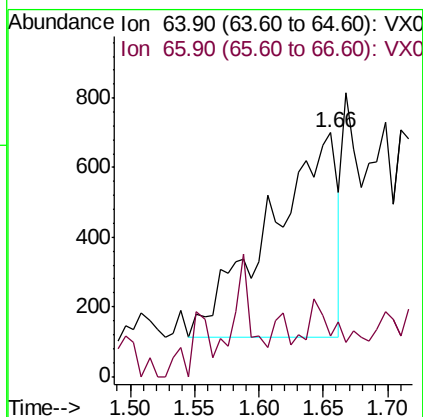
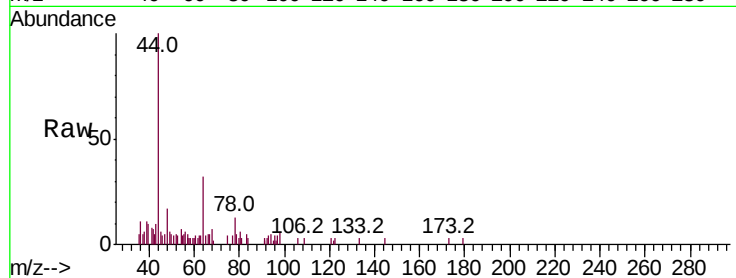
RE122D2-20190909DL

Tot Ion: 64 Resp: 2118

Ion Ratio Lower Upper

64 100

66 19.9 24.0 36.0#



#8

Diethyl Ether

Concen: 0.234 ug/l

RT: 2.03 min Scan# 188

Delta R.T. -0.15 min

Lab File: VX012481.D

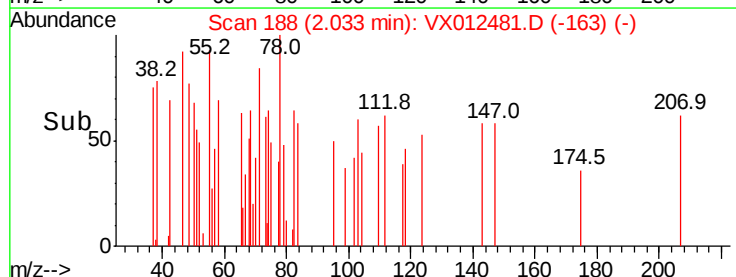
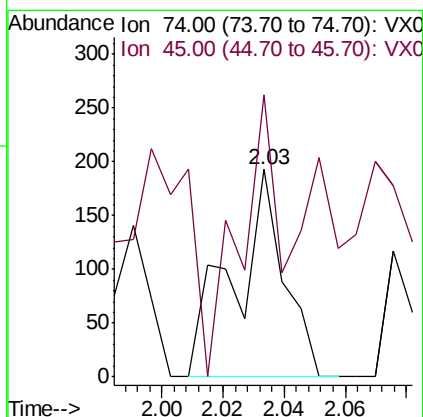
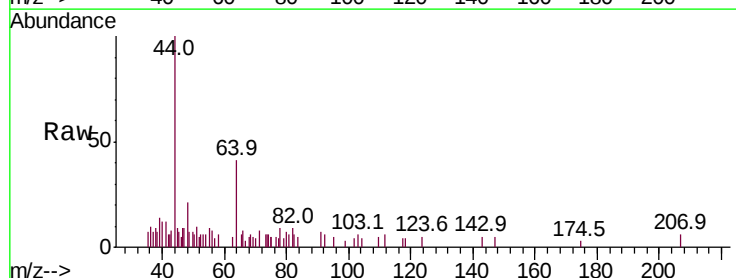
Acq: 18 Sep 2019 18:08

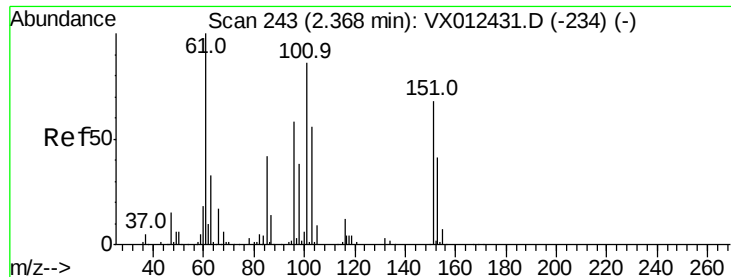
Tgt Ion: 74 Resp: 221

Ion Ratio Lower Upper

74 100

45 122.6 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.232 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190909DL

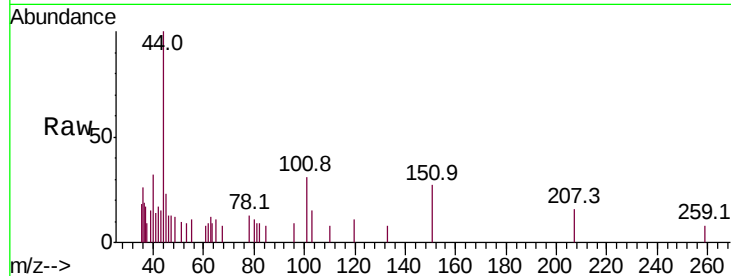
Tot Ion:101 Resp: 351

Ion Ratio Lower Upper

101 100

85 57.5 37.3 55.9#

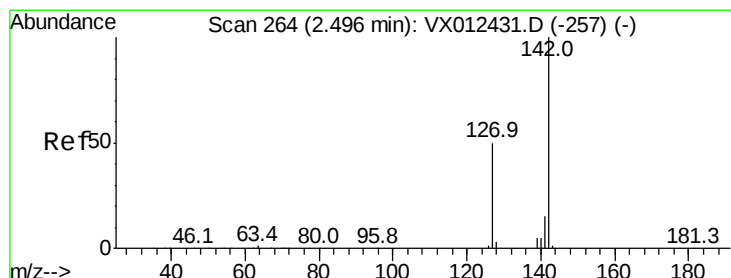
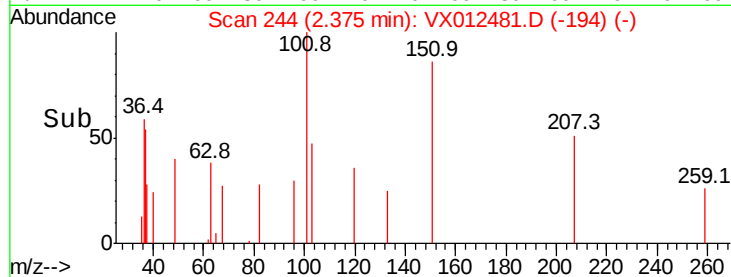
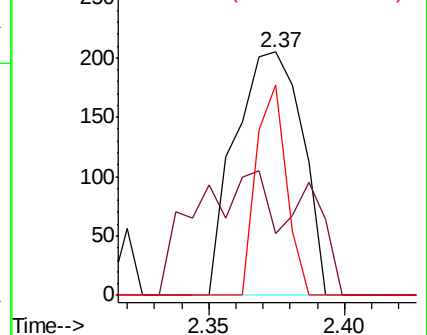
151 38.5 61.0 91.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.616 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

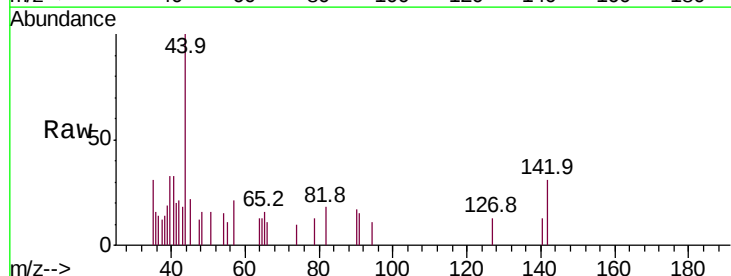
Tgt Ion:142 Resp: 248

Ion Ratio Lower Upper

142 100

127 57.7 40.8 61.2

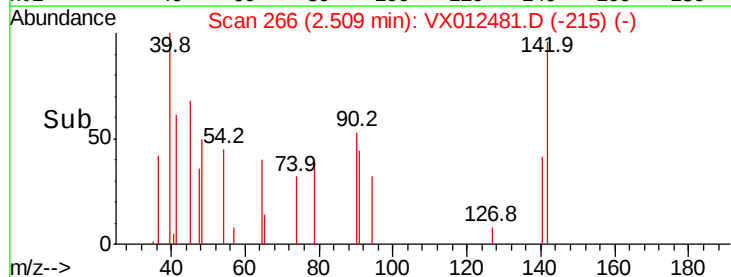
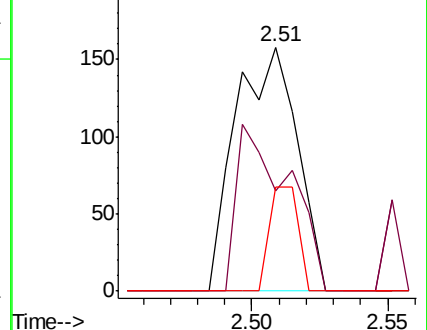
141 19.8 12.1 18.1#

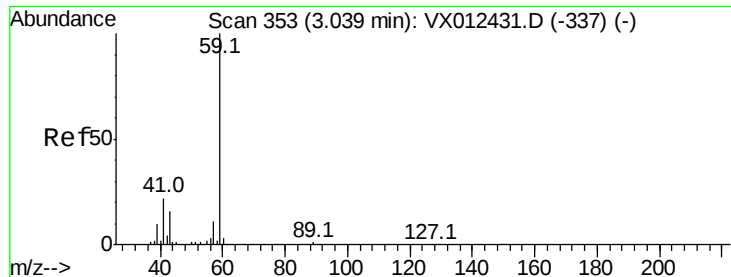


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

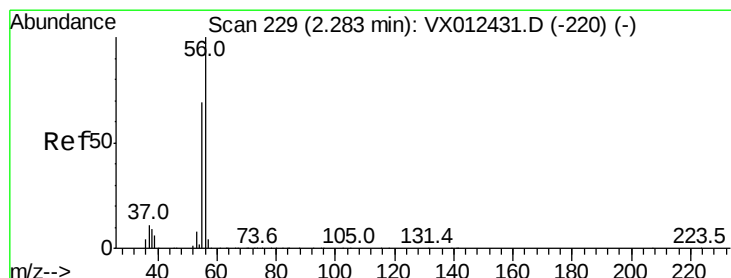
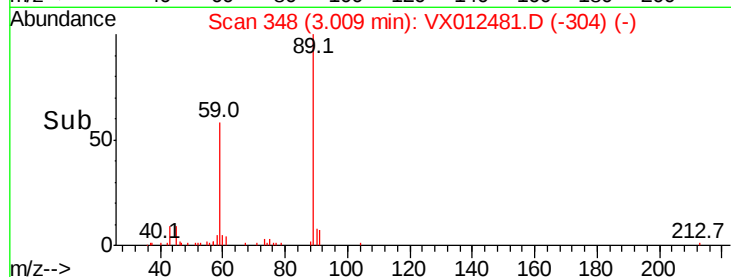
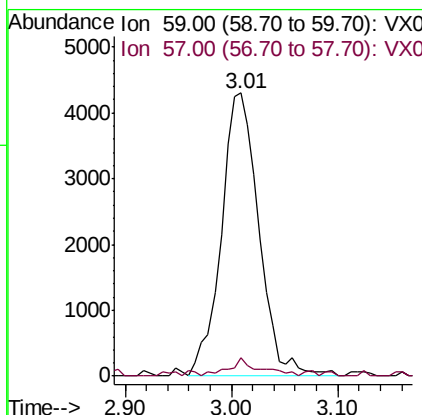
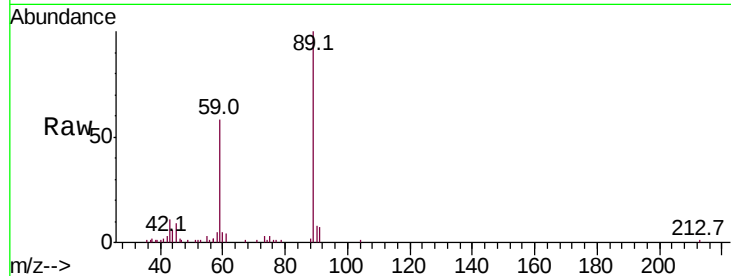




#11
Tert butyl alcohol
Concen: 9.582 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012481.D
Acq: 18 Sep 2019 18:08

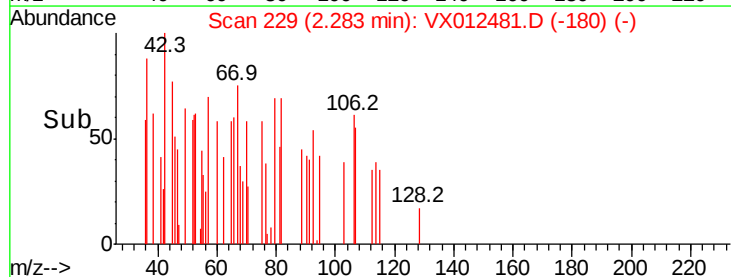
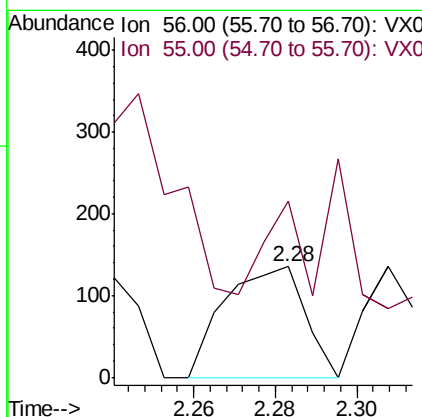
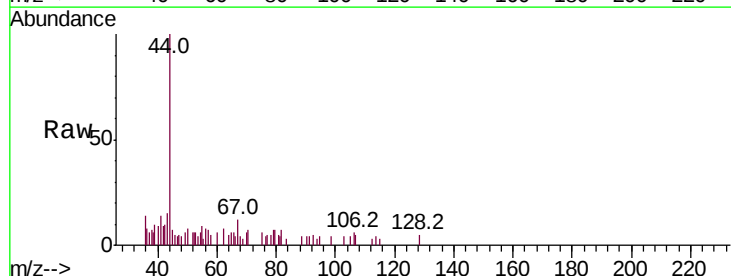
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190909DL

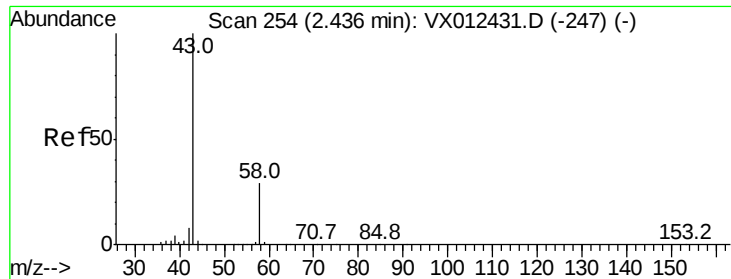
Tot Ion: 59 Resp: 10609
Ion Ratio Lower Upper
59 100
57 5.1 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012481.D
Acq: 18 Sep 2019 18:08

Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 55.1 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

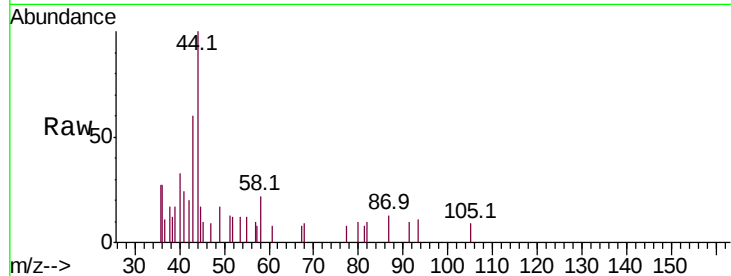
RE122D2-20190909DL

Tot Ion: 43 Resp: 906

Ion Ratio Lower Upper

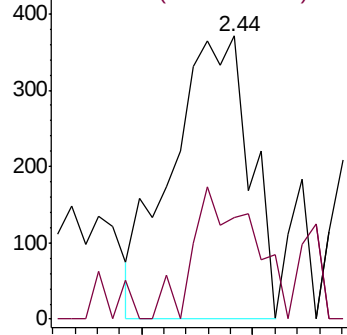
43 100

58 22.4 23.3 34.9#

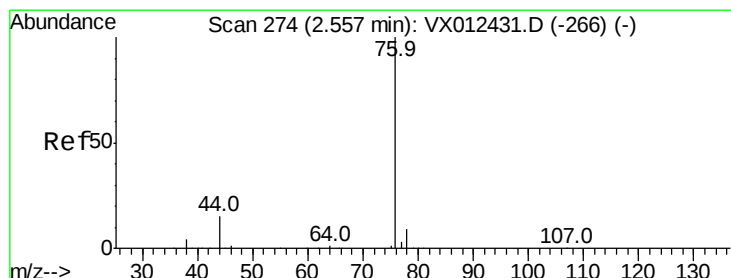
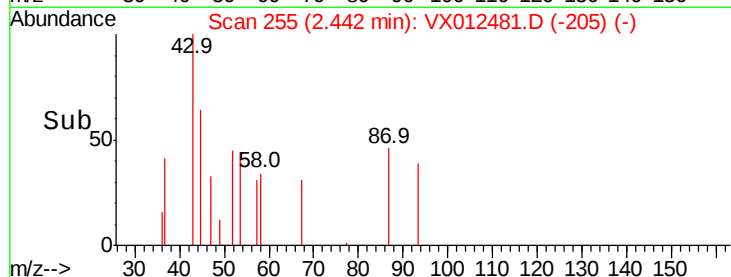


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 2.032 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012481.D

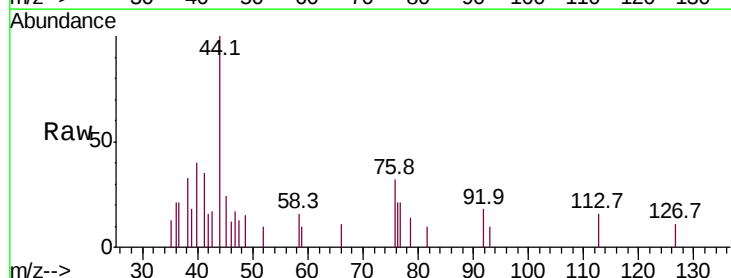
Acq: 18 Sep 2019 18:08

Tgt Ion: 76 Resp: 399

Ion Ratio Lower Upper

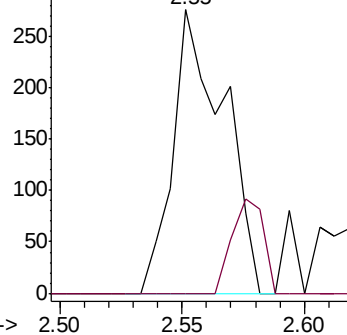
76 100

78 0.0 7.3 10.9#

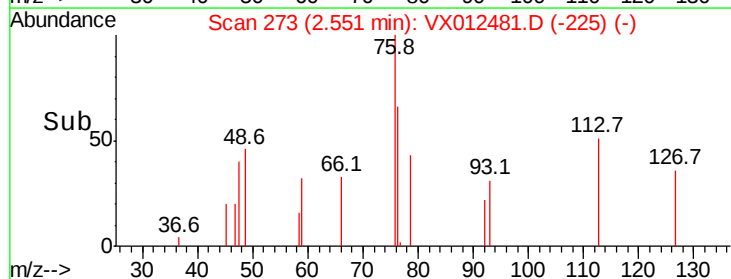


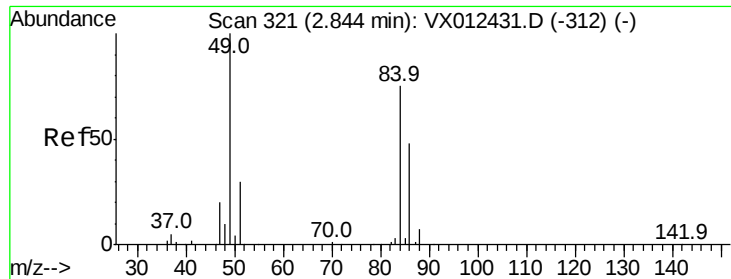
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



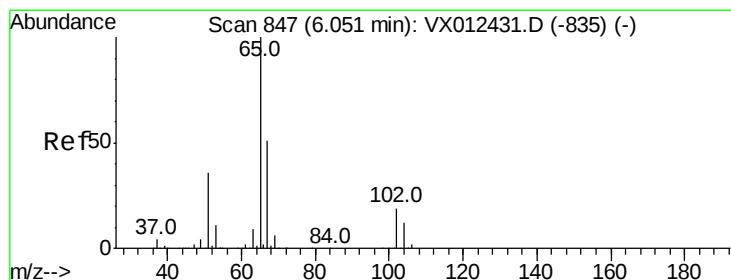
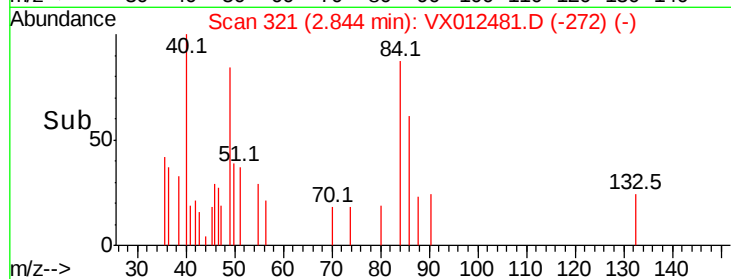
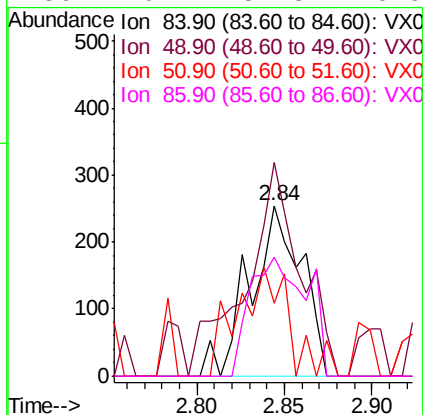
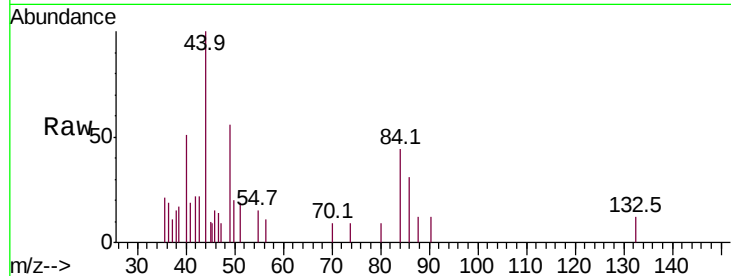


#20
Methvlene Chloride
Concen: 0.317 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012481.D
Acq: 18 Sep 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190909DL

Tot Ion: 84 Resp: 527

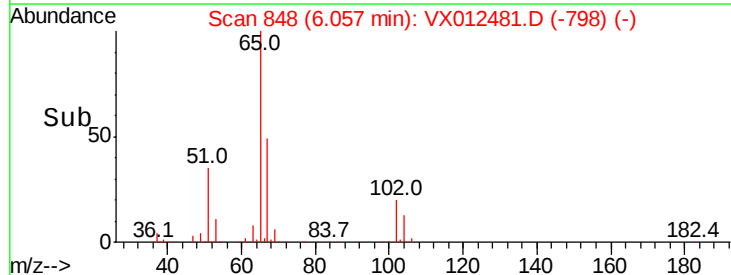
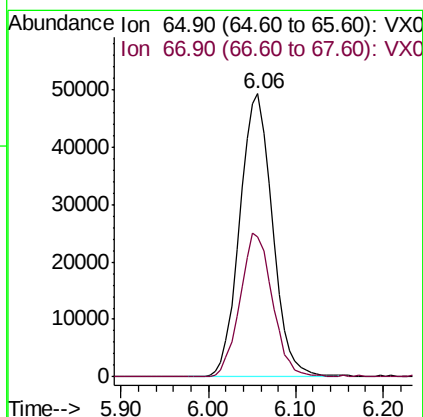
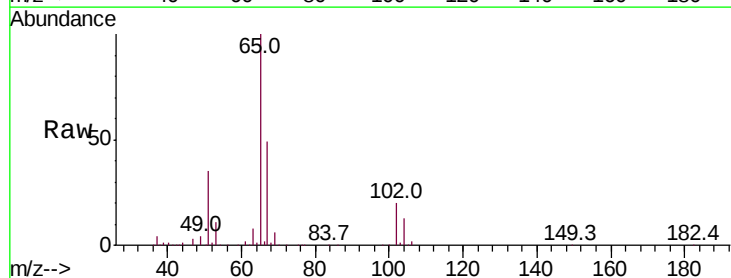
Ion	Ratio	Lower	Upper
84	100		
49	125.6	106.8	160.2
51	42.9	32.3	48.5
86	70.1	51.3	76.9

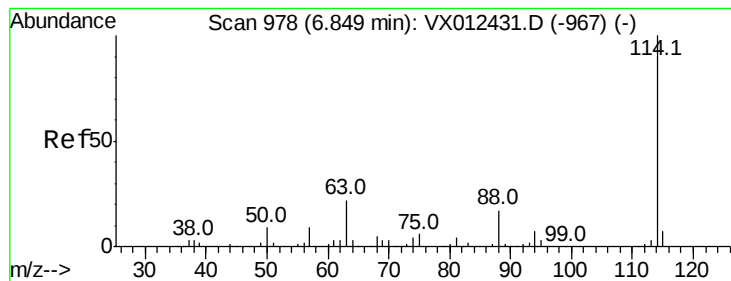


#33
1,2-Dichloroethane-d4
Concen: 46.722 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX012481.D
Acq: 18 Sep 2019 18:08

Tgt Ion: 65 Resp: 128349

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190909DL

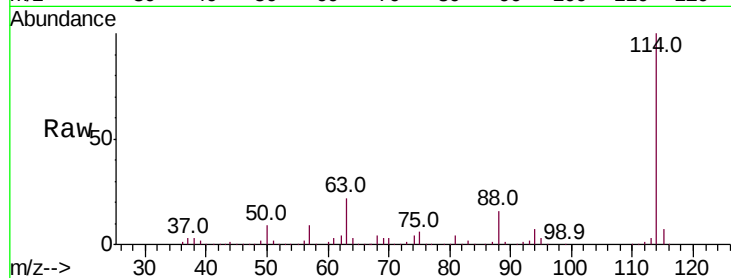
Tot Ion:114 Resp: 299715

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

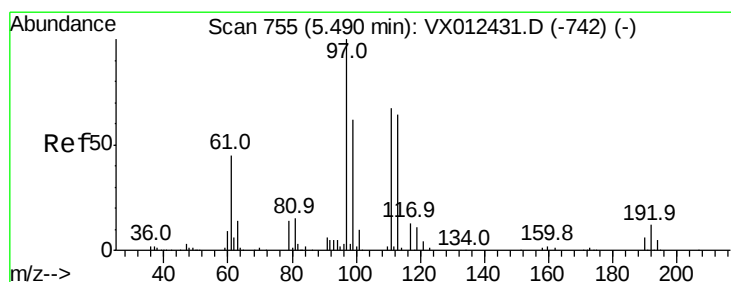
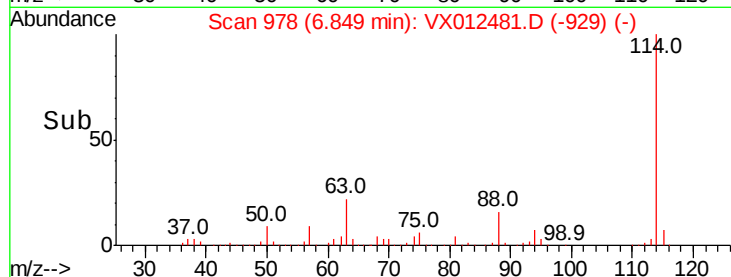
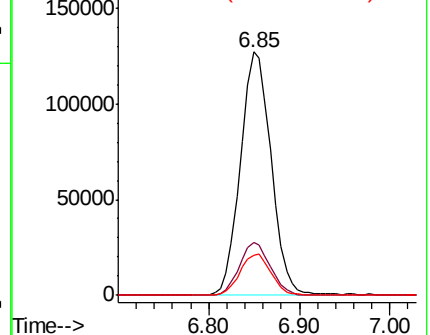
88 16.4 0.0 33.2



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: 50.822 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

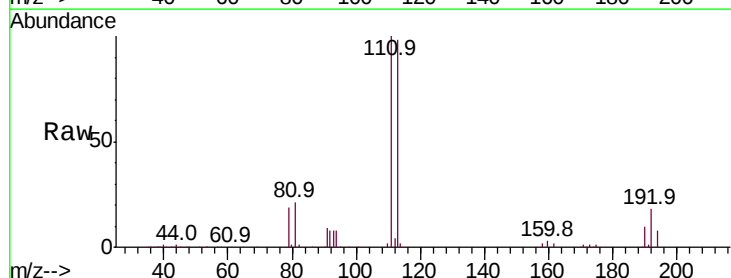
Tgt Ion:113 Resp: 92193

Ion Ratio Lower Upper

113 100

111 100.8 83.4 125.2

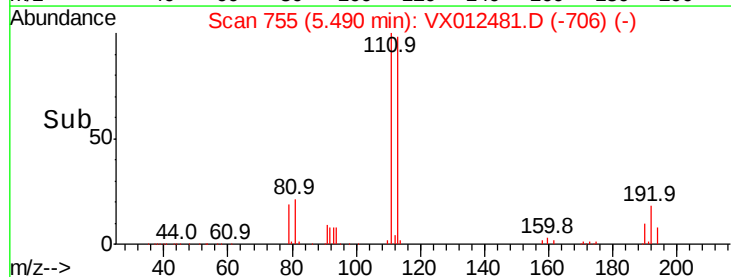
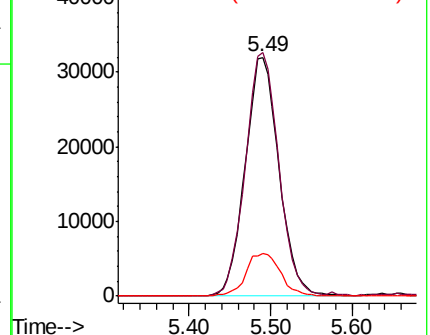
192 18.4 14.4 21.6

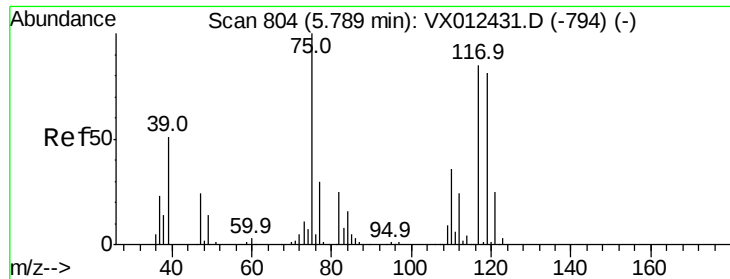


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

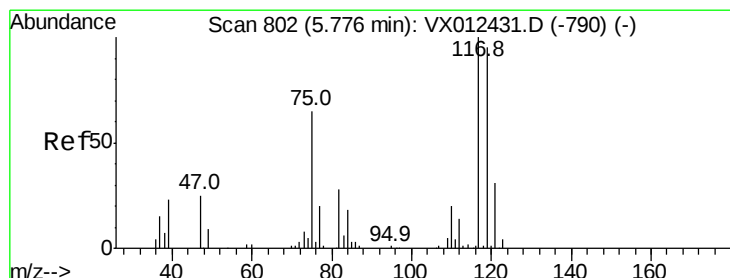
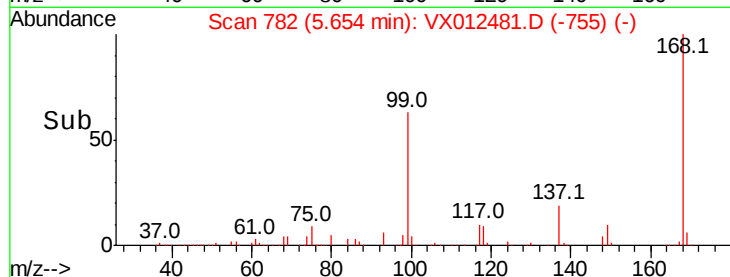
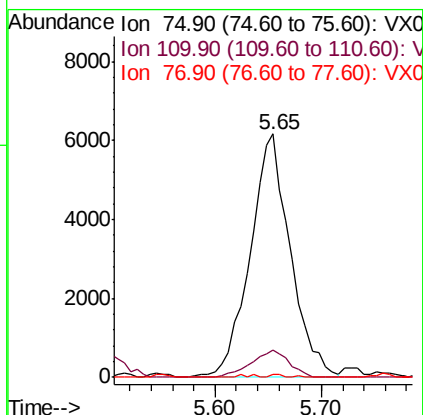
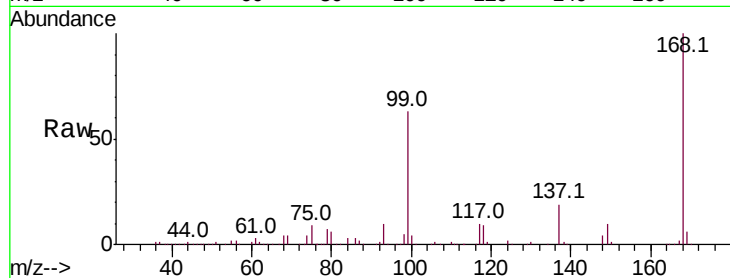




#36
 1,1-Dichloropropene
 Concen: 8.921 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012481.D
 Acq: 18 Sep 2019 18:08

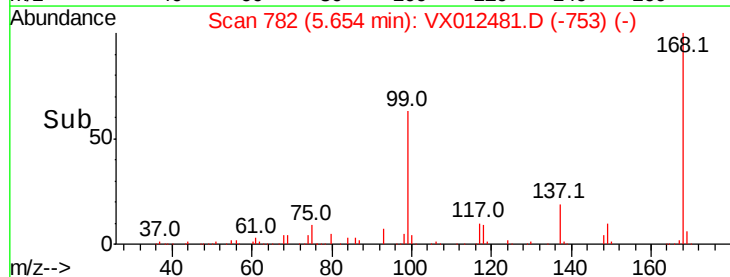
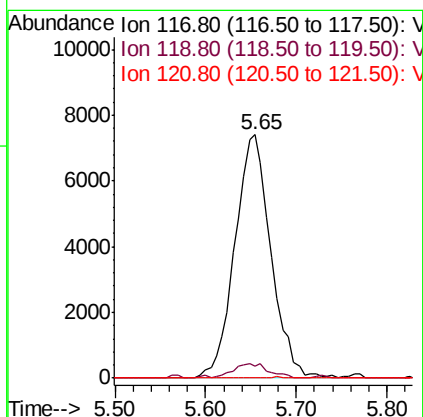
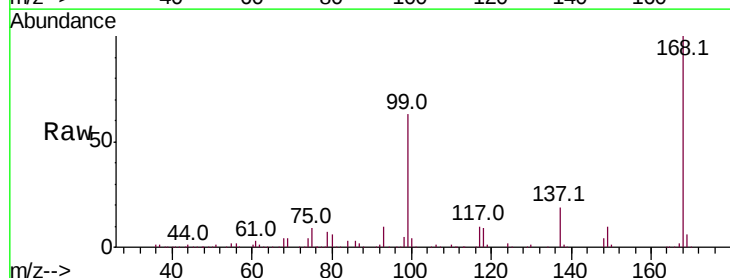
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190909DL

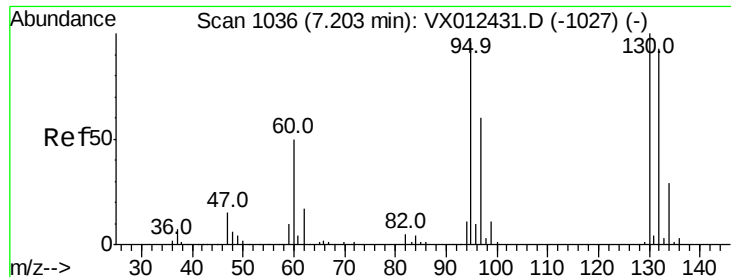
Tot Ion: 75 Resp: 16249
 Ion Ratio Lower Upper
 75 100
 110 10.5 16.7 50.0#
 77 0.4 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 9.008 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012481.D
 Acq: 18 Sep 2019 18:08

Tgt Ion:117 Resp: 20407
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.7 113.5#
 121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 31.309 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

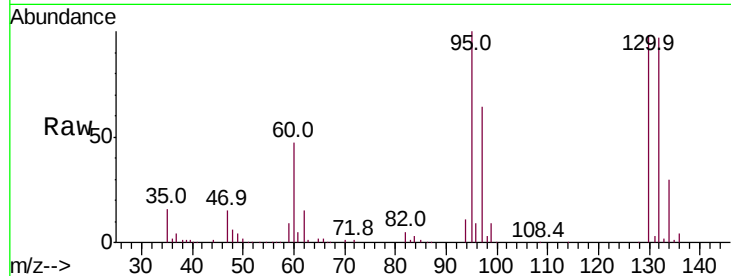
RE122D2-20190909DL

Tot Ion:130 Resp: 47706

Ion Ratio Lower Upper

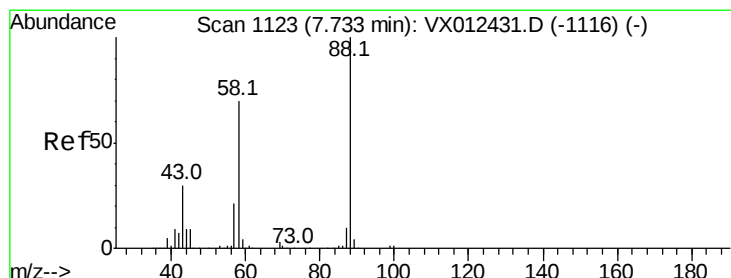
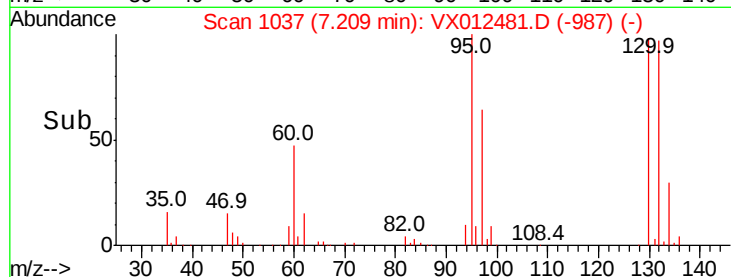
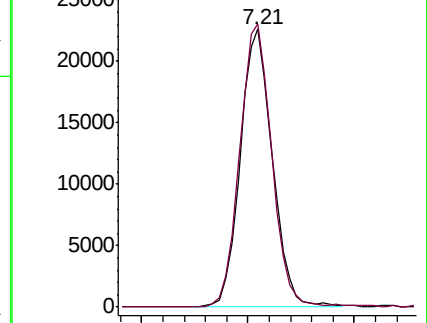
130 100

95 101.9 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.667 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

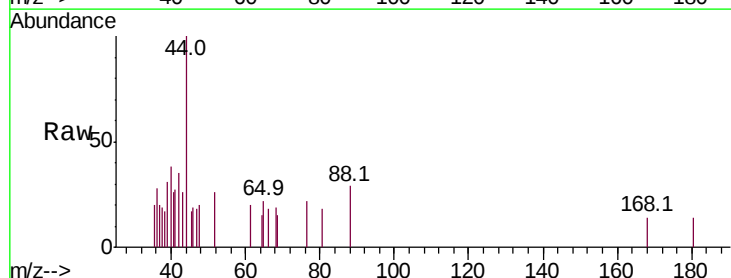
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 197.9 29.4 44.0#

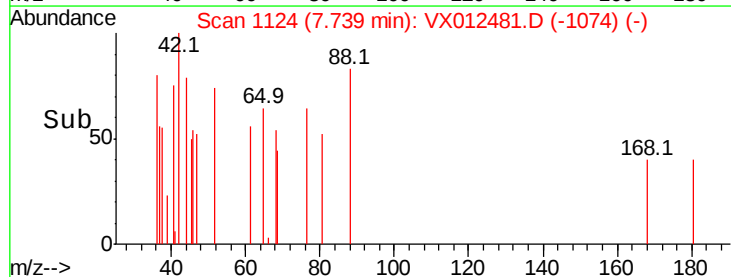
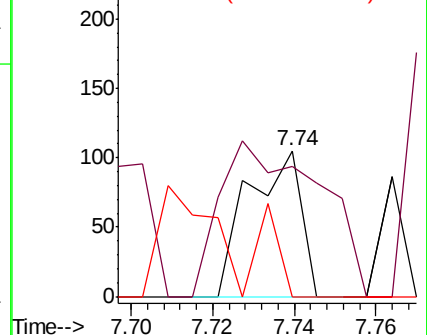
58 0.0 57.5 86.3#

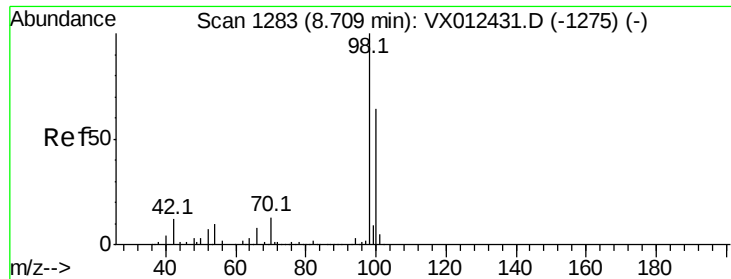


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.955 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

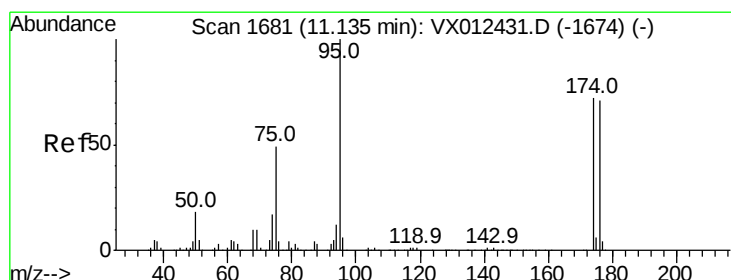
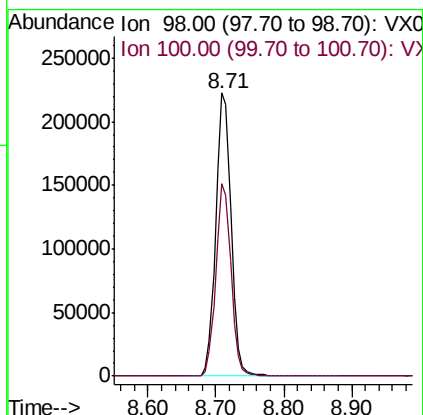
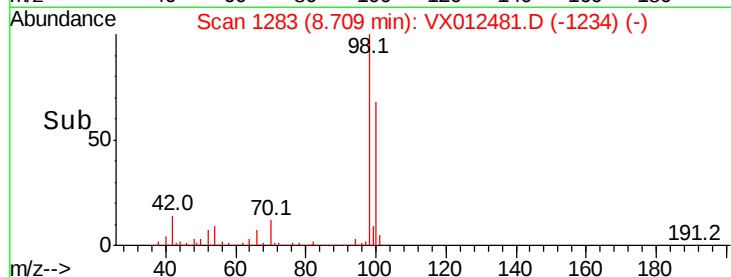
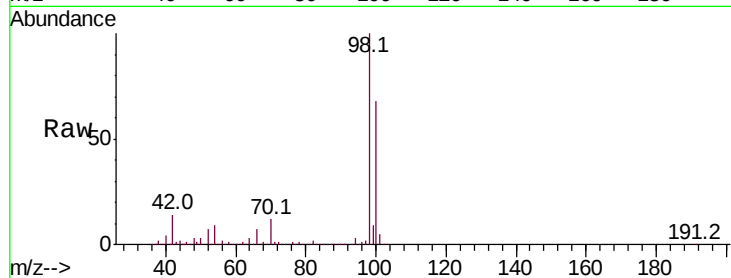
RE122D2-20190909DL

Tot Ion: 98 Resp: 348854

Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 45.431 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

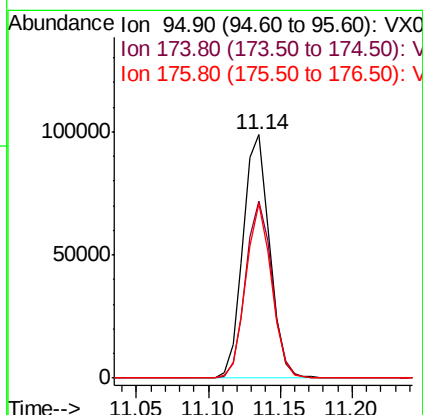
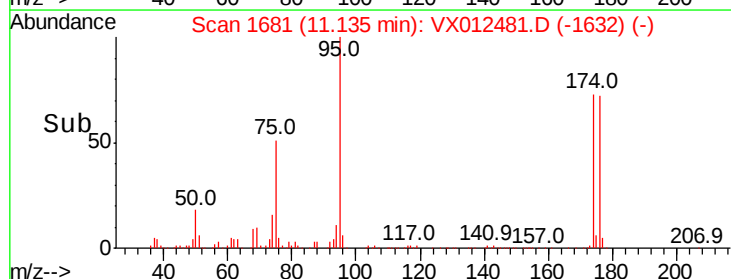
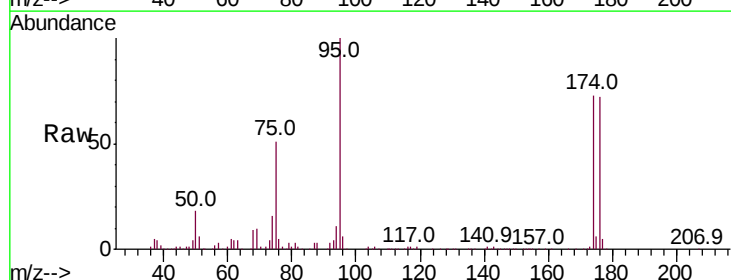
Tgt Ion: 95 Resp: 126661

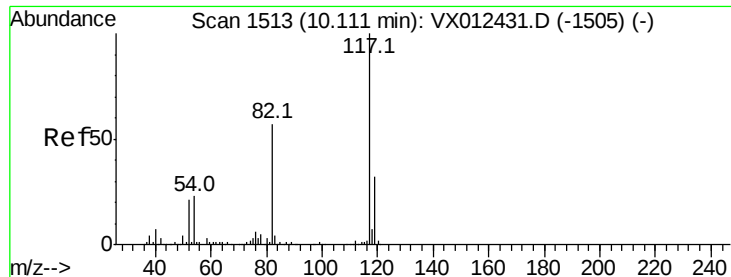
Ion Ratio Lower Upper

95 100

174 72.3 0.0 140.0

176 69.4 0.0 135.4

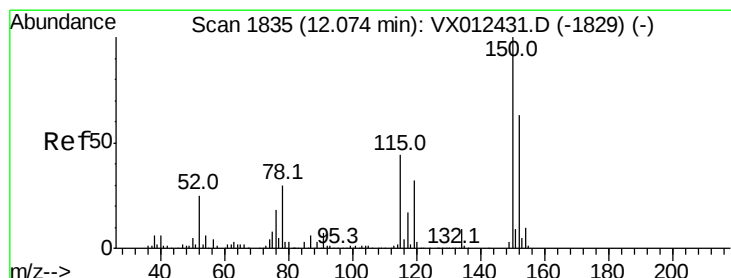
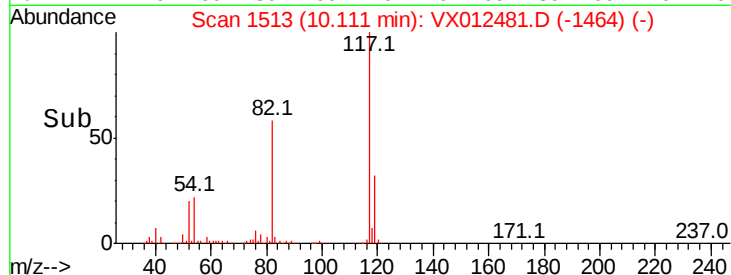
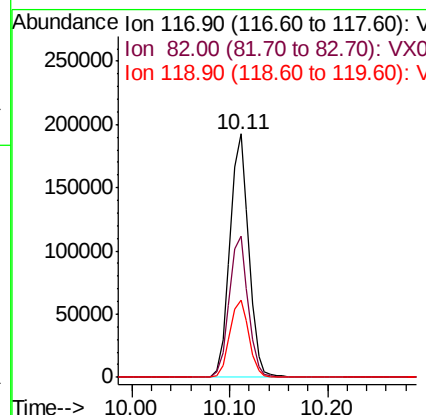
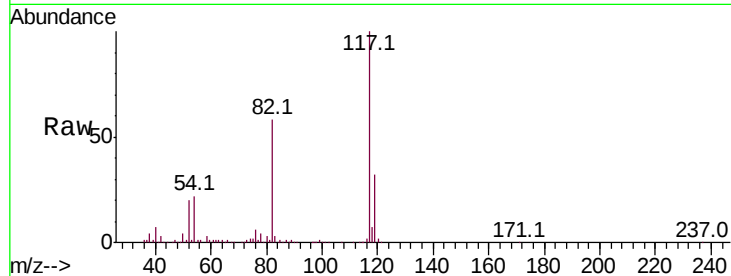




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012481.D
Acq: 18 Sep 2019 18:08

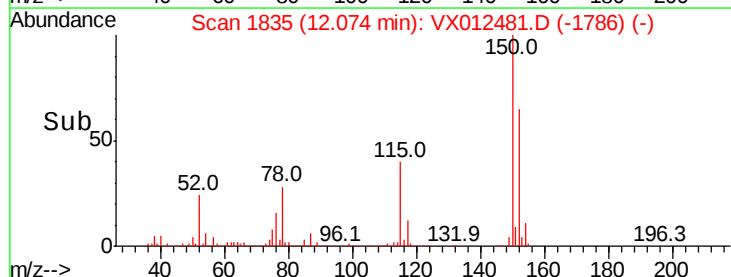
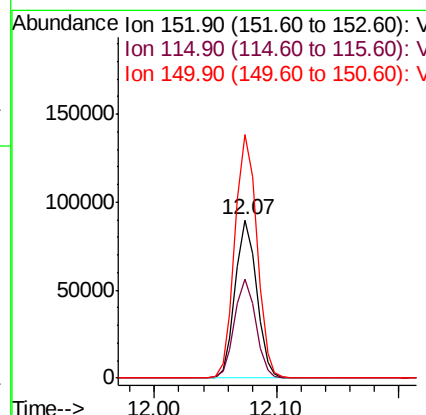
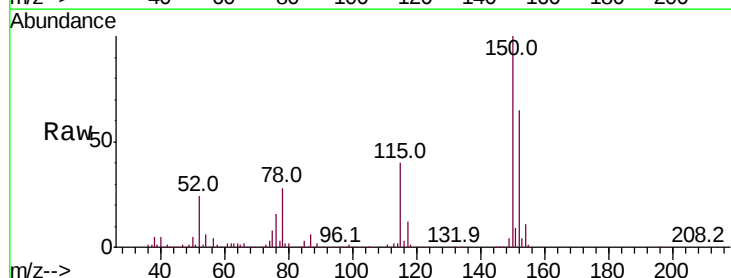
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190909DL

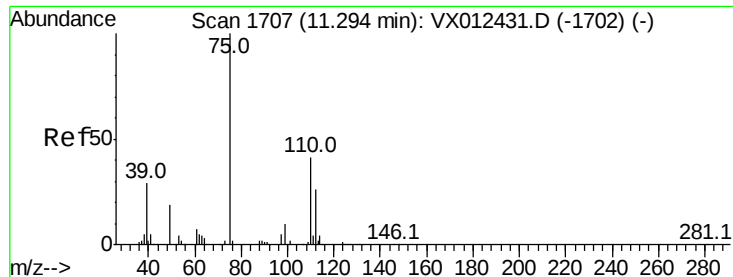
Tot Ion:117 Resp: 257827
Ion Ratio Lower Upper
117 100
82 57.9 45.9 68.9
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012481.D
Acq: 18 Sep 2019 18:08

Tgt Ion:152 Resp: 108977
Ion Ratio Lower Upper
152 100
115 62.3 44.1 132.3
150 158.2 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 26.305 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

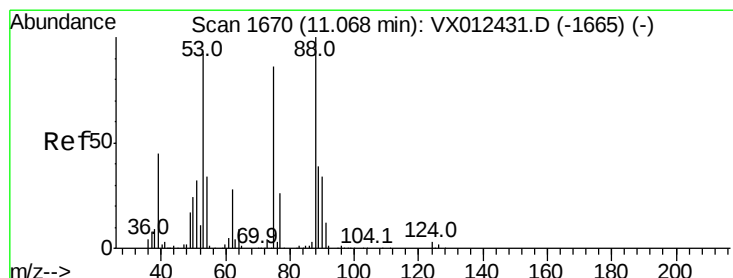
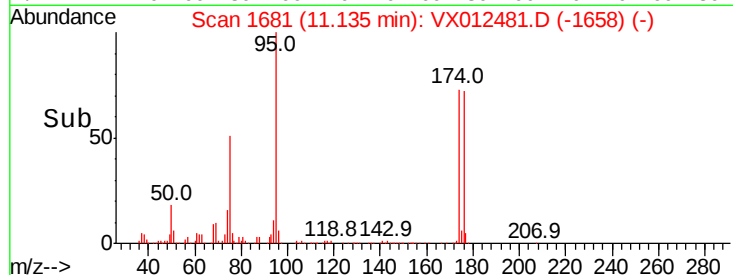
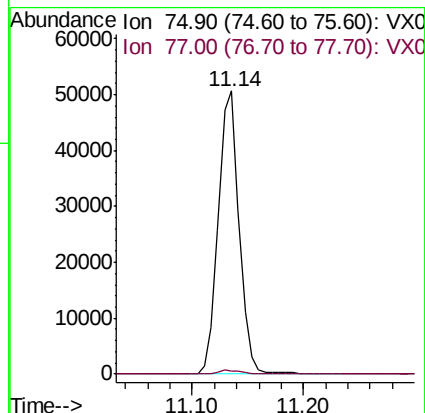
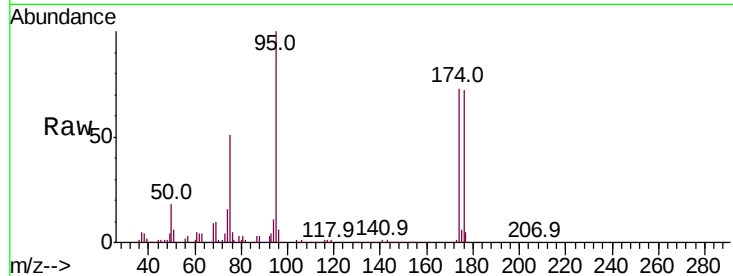
RE122D2-20190909DL

Tot Ion: 75 Resp: 65850

Ion Ratio Lower Upper

75 100

77 1.6 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.842 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012481.D

Acq: 18 Sep 2019 18:08

Tgt Ion: 75 Resp: 65850

Ion Ratio Lower Upper

75 100

53 0.2 83.6 125.4#

89 0.0 36.3 54.5#

