

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121819\
 Data File : VX014094.D
 Acq On : 18 Dec 2019 14:14
 Operator : JC/SP
 Sample : K6252-04DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20191209DL

Quant Time: Dec 18 16:18:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	553228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	855111	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	763679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338894	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	310762	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	5.49	113	256640	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	1012188	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.13	95	336925	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	

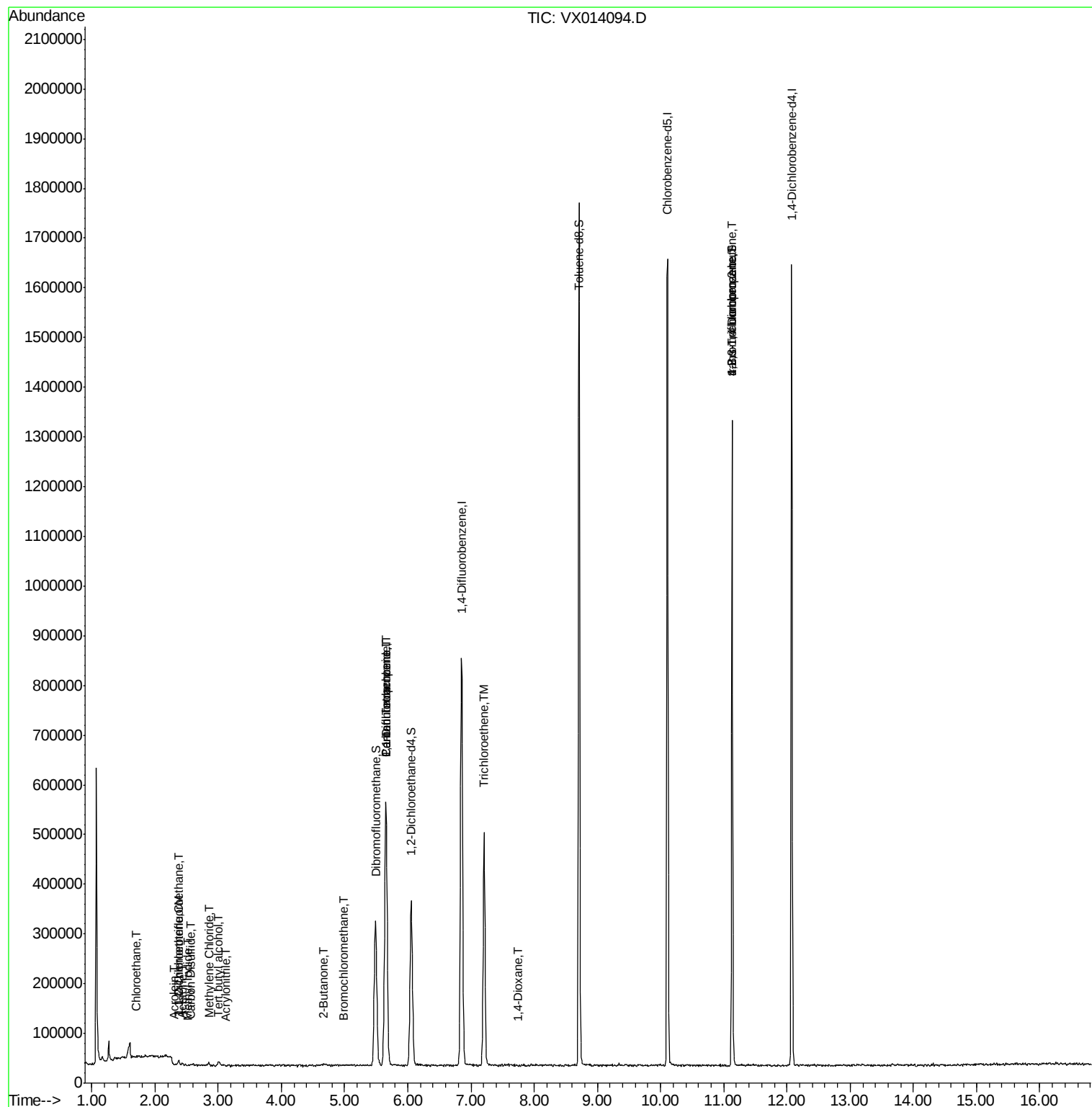
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	1057	0.244	ug/l #	80
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3474	0.664	ug/l	95
10) Methyl Iodide	2.52	142	1009	2.759	ug/l #	80
11) Tert butyl alcohol	3.01	59	4933	3.641	ug/l #	84
12) 1,1-Dichloroethene	2.36	96	1584	0.298	ug/l	82
13) Acrolein	2.31	56	746	0.962	ug/l #	38
15) Acrylonitrile	3.11	53	890	0.281	ug/l #	63
16) Acetone	2.44	43	6487	1.594	ug/l #	82
17) Carbon Disulfide	2.56	76	839	0.806	ug/l #	75
20) Methylene Chloride	2.85	84	3049	0.476	ug/l #	94
25) 2-Butanone	4.67	43	1979	0.394	ug/l #	76
28) Bromochloromethane	4.98	49	83	0.474	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	36883	4.701	ug/l #	52
38) Carbon Tetrachloride	5.65	117	49580	6.936	ug/l #	16
44) Trichloroethene	7.21	130	188723	28.302	ug/l	97
49) 1,4-Dioxane	7.75	88	168	1.176	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	164825	22.403	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	164825	63.233	ug/l #	12

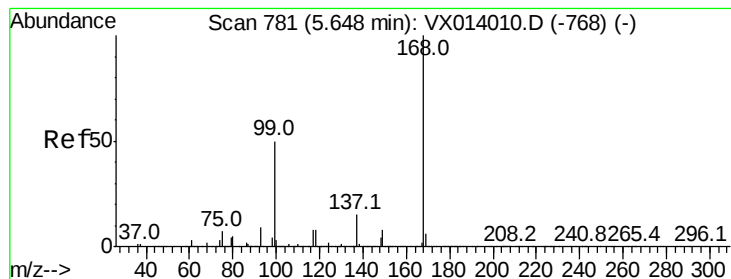
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

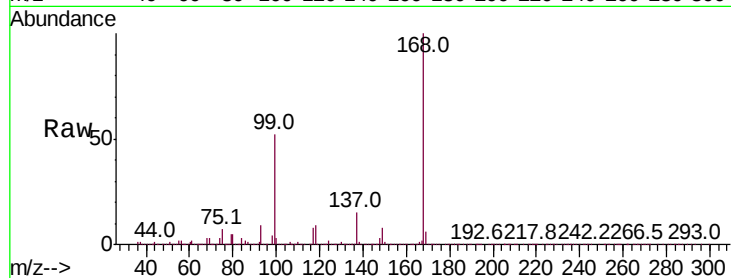
RE132D6-20191209DL

Tot Ion:168 Resp: 553228

Ion Ratio Lower Upper

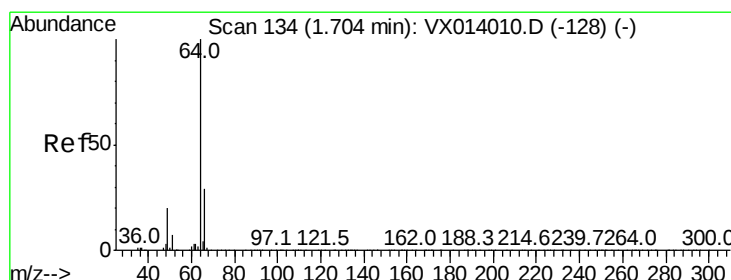
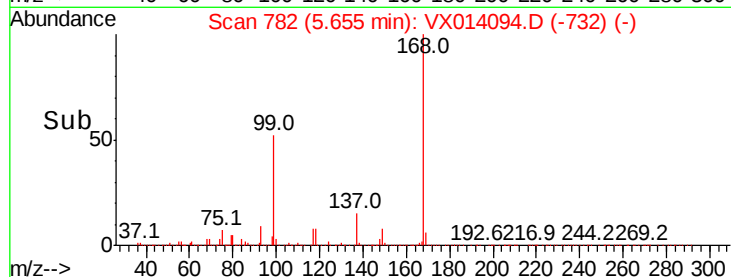
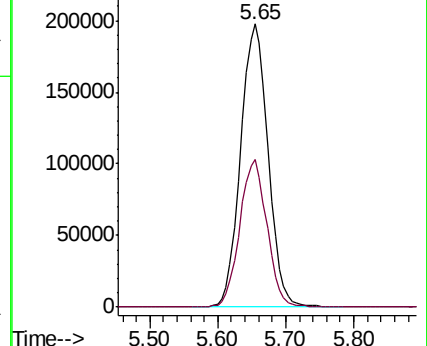
168 100

99 52.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX014094.D

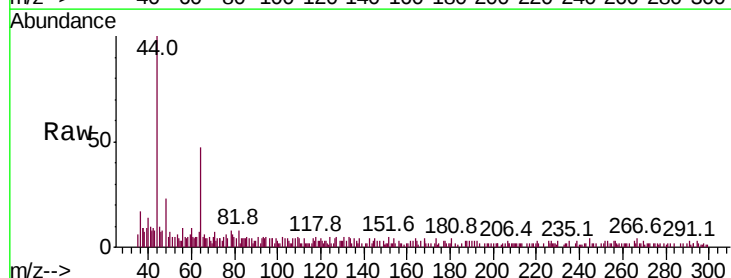
Acq: 18 Dec 2019 14:14

Tgt Ion: 64 Resp: 1057

Ion Ratio Lower Upper

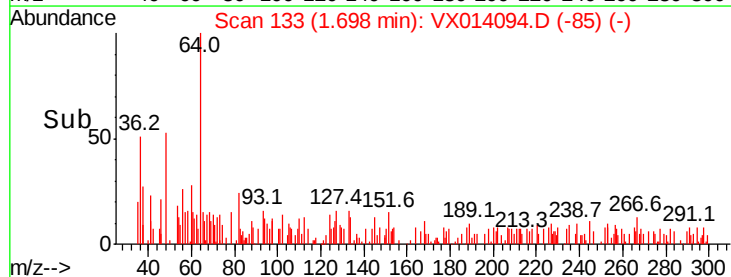
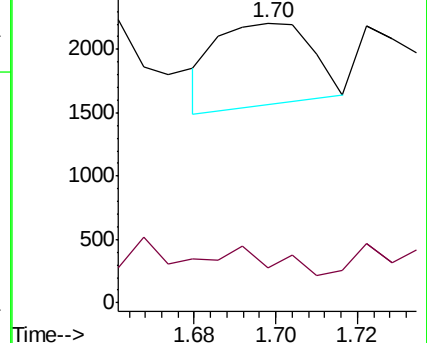
64 100

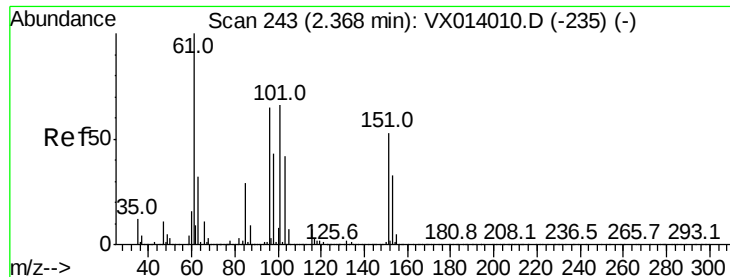
66 40.2 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.664 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20191209DL

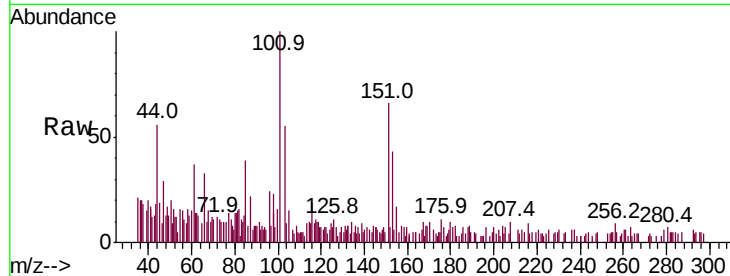
Tot Ion:101 Resp: 3474

Ion Ratio Lower Upper

101 100

85 36.8 33.7 50.5

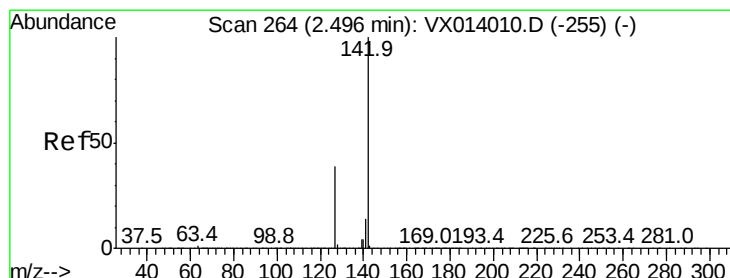
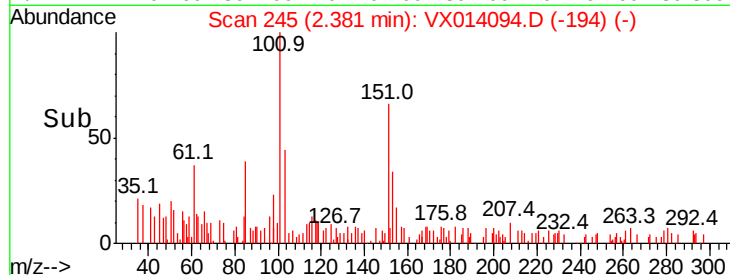
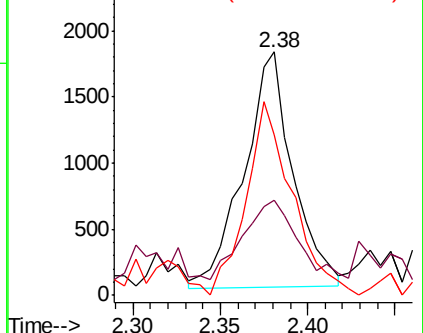
151 77.3 64.5 96.7



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: 2.759 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

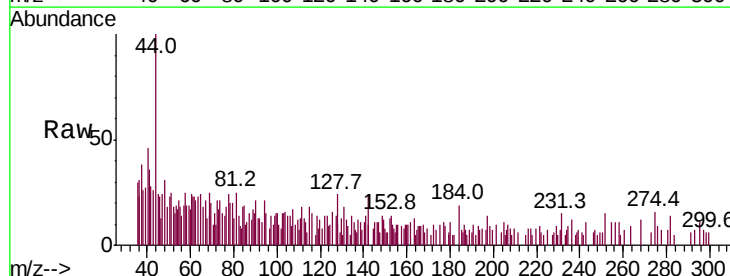
Tgt Ion:142 Resp: 1009

Ion Ratio Lower Upper

142 100

127 52.5 31.6 47.4#

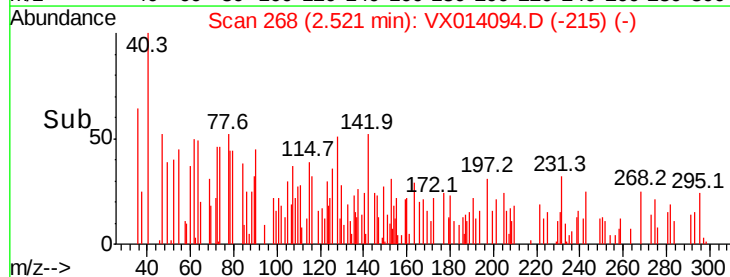
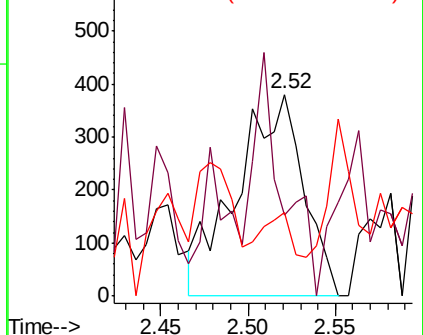
141 8.0 11.6 17.4#

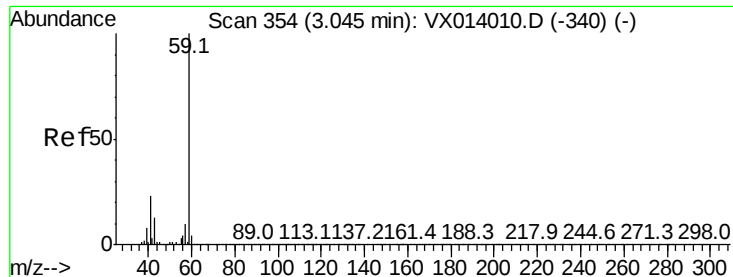


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 3.641 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.04 min

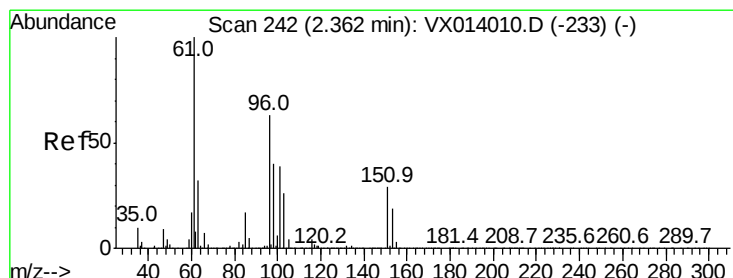
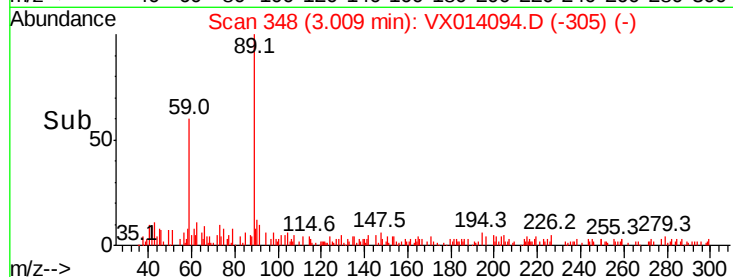
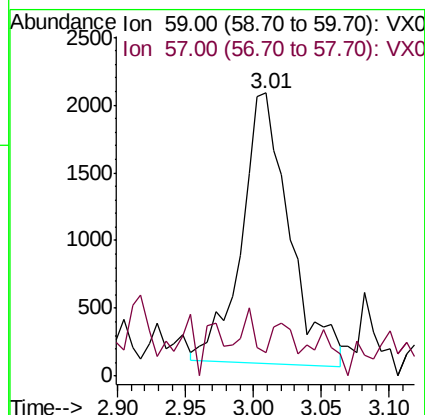
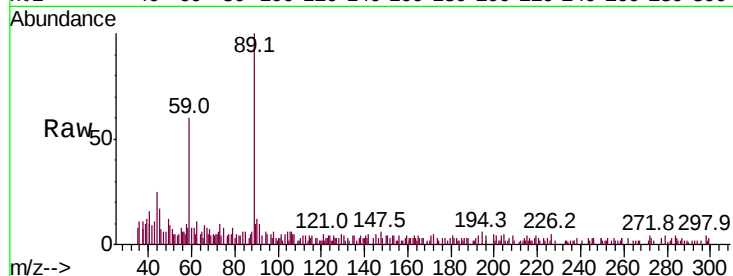
Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20191209DL

Tot Ion: 59 Resp: 4933

Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.4	12.6#



#12

1,1-Dichloroethene

Concen: 0.298 ug/l

RT: 2.36 min Scan# 242

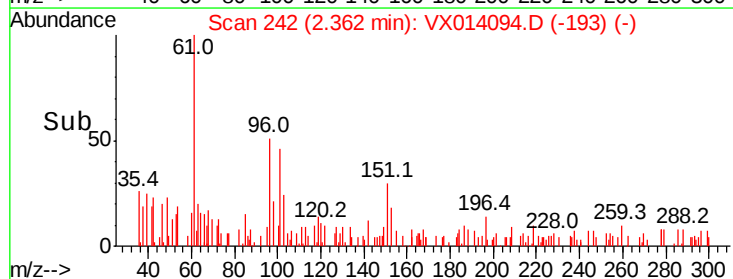
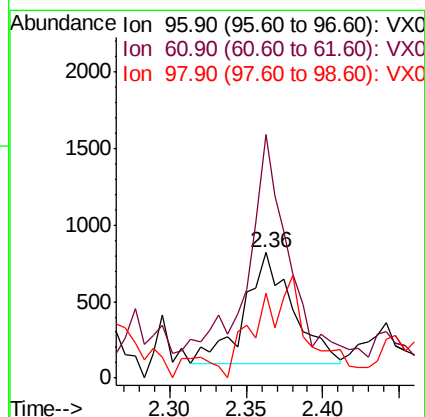
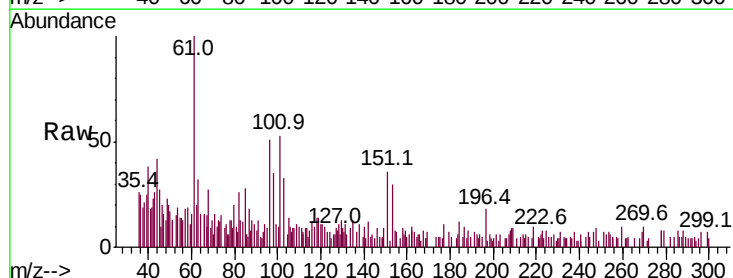
Delta R.T. 0.00 min

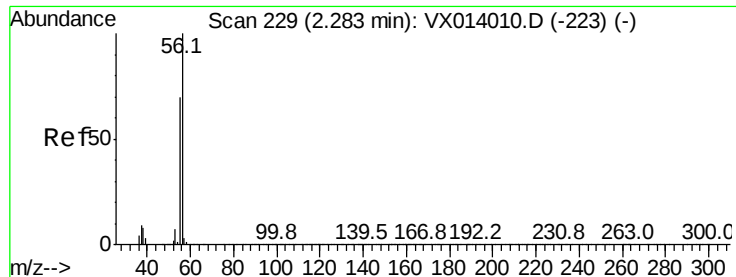
Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Tgt Ion: 96 Resp: 1584

Ion	Ratio	Lower	Upper
96	100		
61	191.3	127.9	191.9
98	59.2	50.5	75.7





#13

Acrolein

Concen: 0.962 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

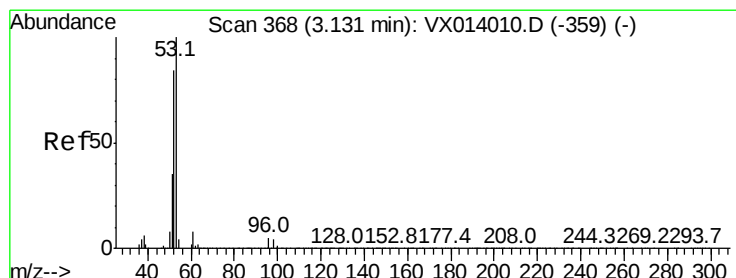
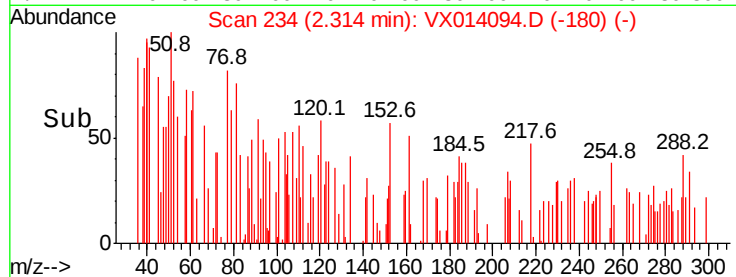
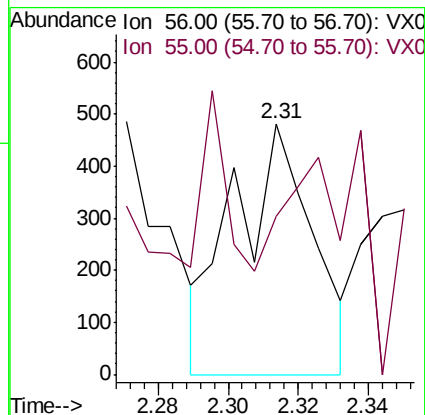
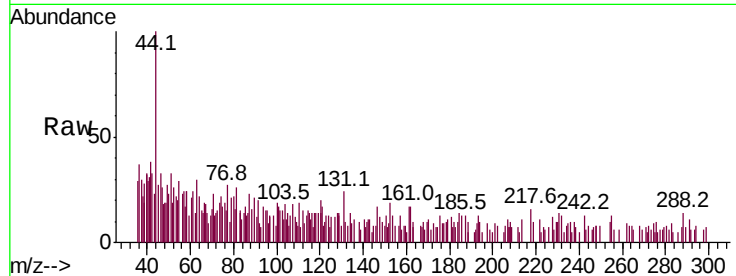
RE132D6-20191209DL

Tot Ion: 56 Resp: 746

Ion Ratio Lower Upper

56 100

55 19.6 56.9 85.3#



#15

Acrylonitrile

Concen: 0.281 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.02 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

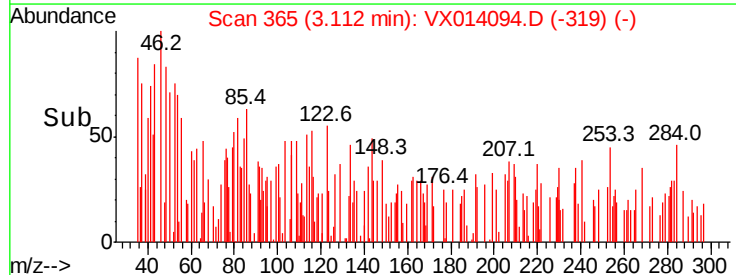
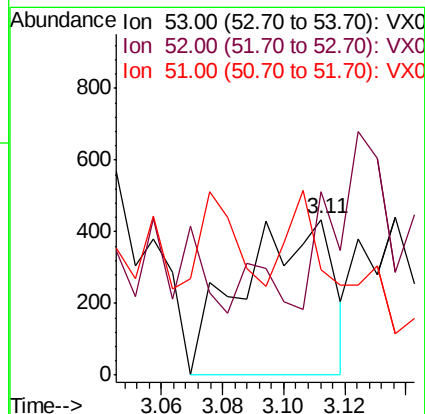
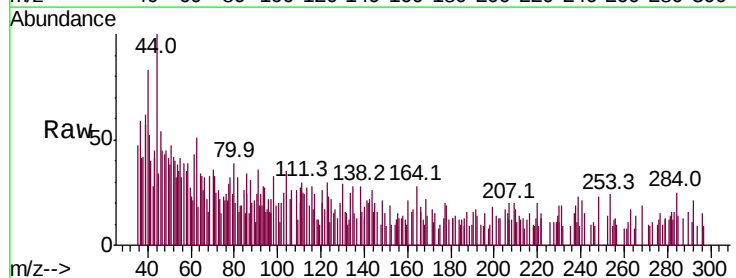
Tgt Ion: 53 Resp: 890

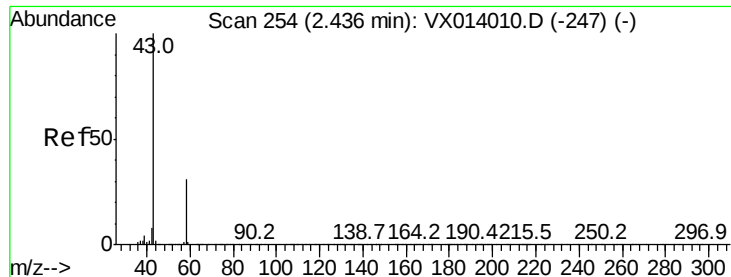
Ion Ratio Lower Upper

53 100

52 118.4 66.5 99.7#

51 53.0 28.1 42.1#





#16

Acetone

Concen: 1.594 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

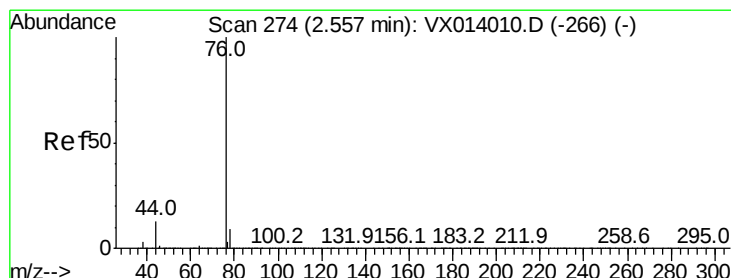
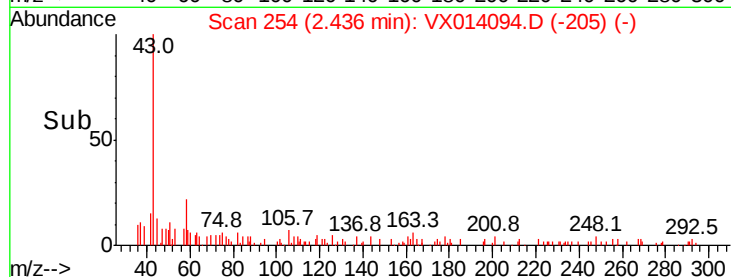
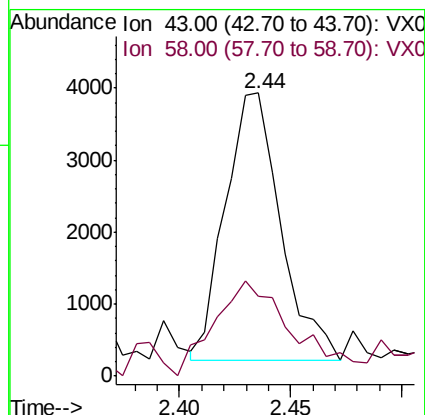
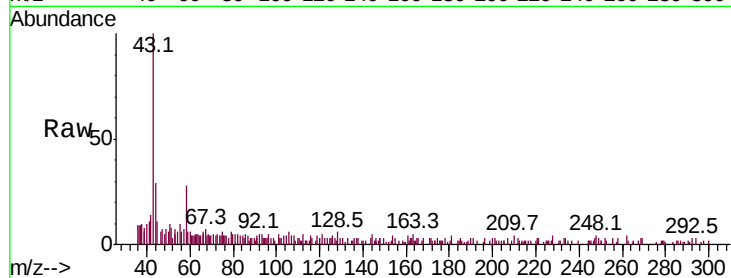
RE132D6-20191209DL

Tot Ion: 43 Resp: 6487

Ion Ratio Lower Upper

43 100

58 21.3 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.806 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014094.D

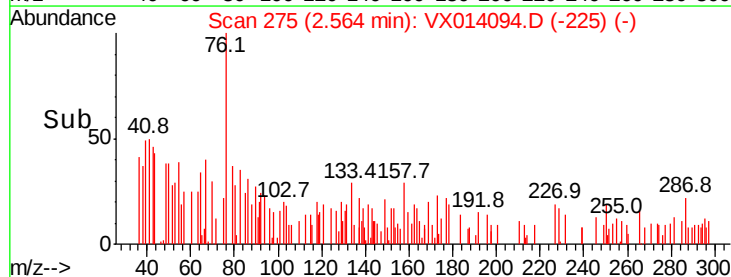
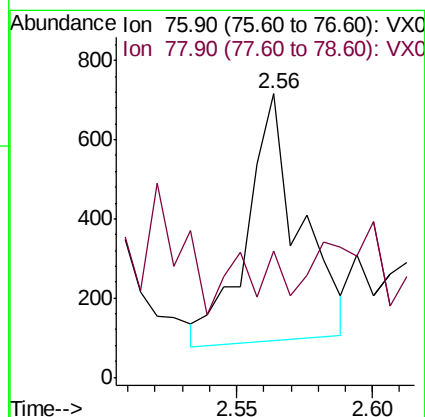
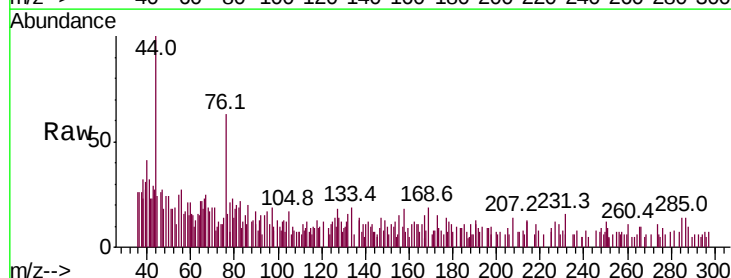
Acq: 18 Dec 2019 14:14

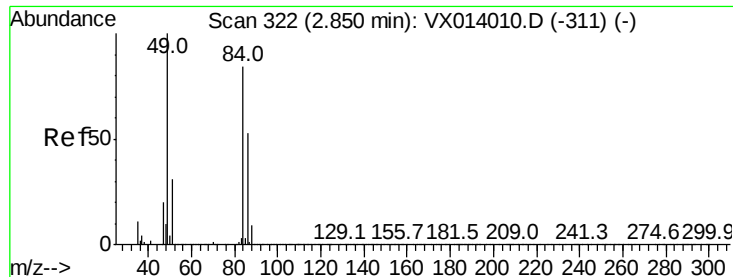
Tgt Ion: 76 Resp: 839

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

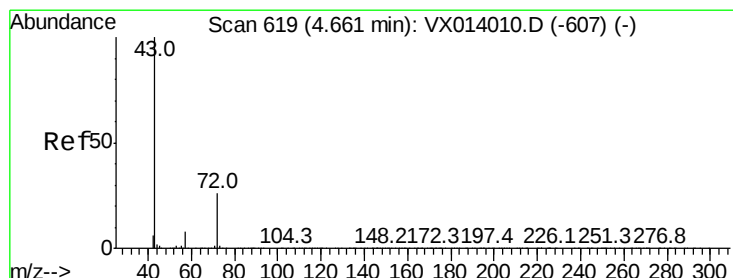
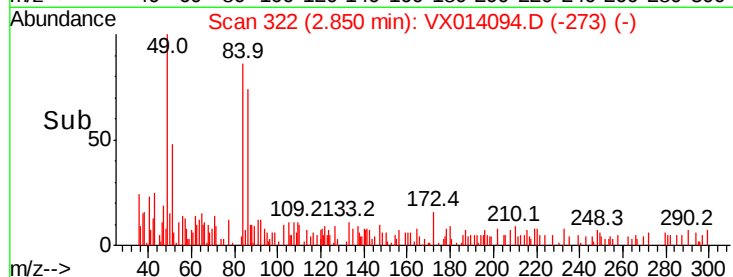
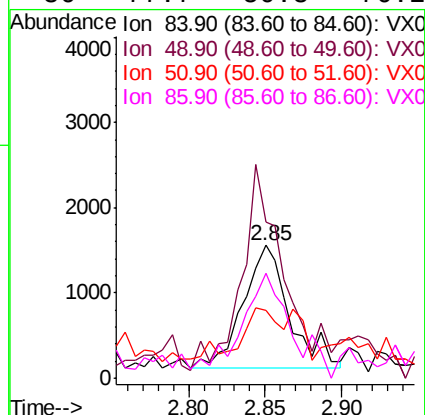
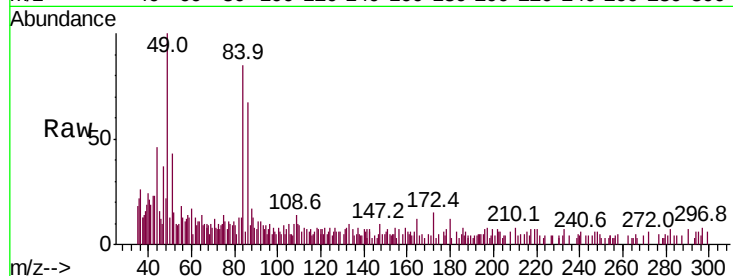




#20
Methvlene Chloride
Concen: 0.476 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014094.D
Acq: 18 Dec 2019 14:14

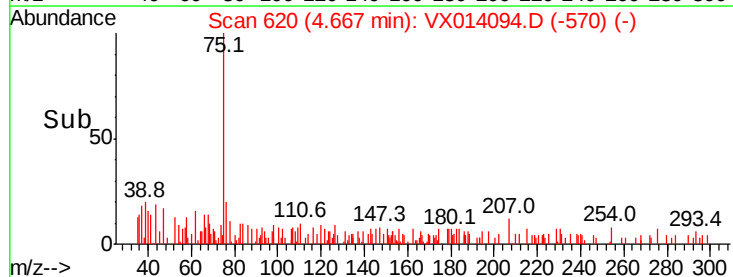
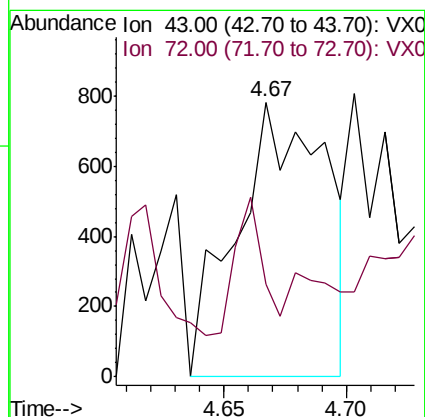
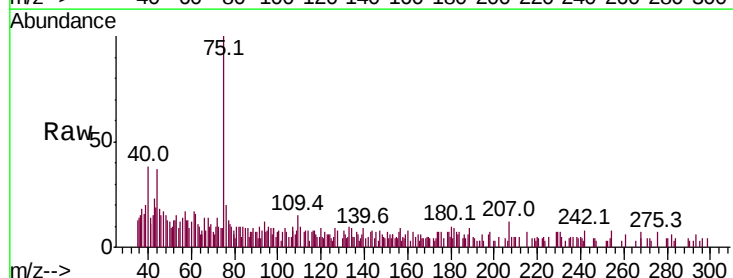
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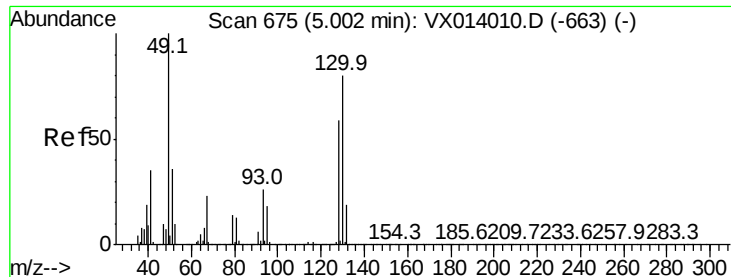
Tot Ion: 84 Resp: 3049
Ion Ratio Lower Upper
84 100
49 120.7 95.8 143.6
51 39.1 29.8 44.8
86 77.7 50.8 76.2#



#25
2-Butanone
Concen: 0.394 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014094.D
Acq: 18 Dec 2019 14:14

Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
72 14.1 21.0 31.4#

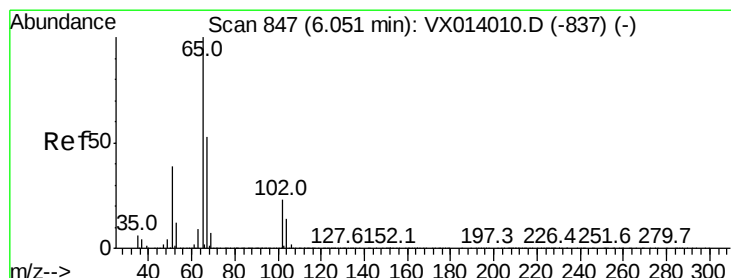
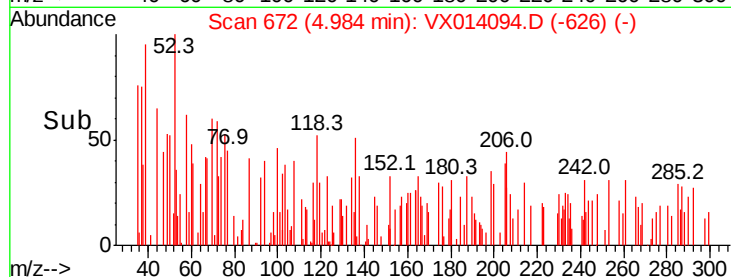
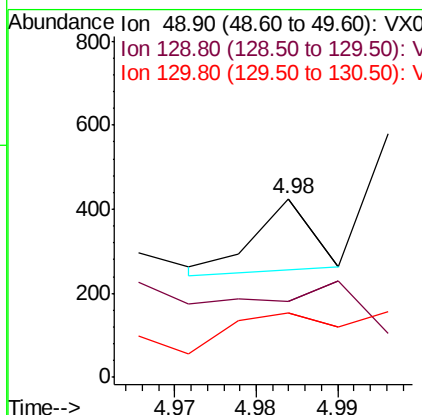
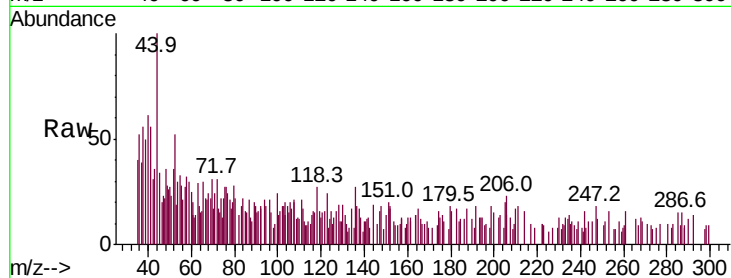




#28
Bromochloromethane
Concen: 0.474 ug/l
RT: 4.98 min Scan# 672
Delta R.T. -0.02 min
Lab File: VX014094.D
Acq: 18 Dec 2019 14:14

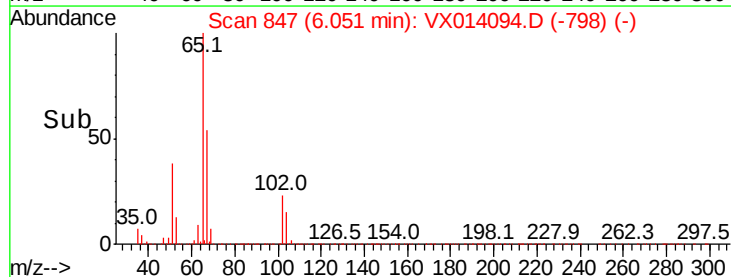
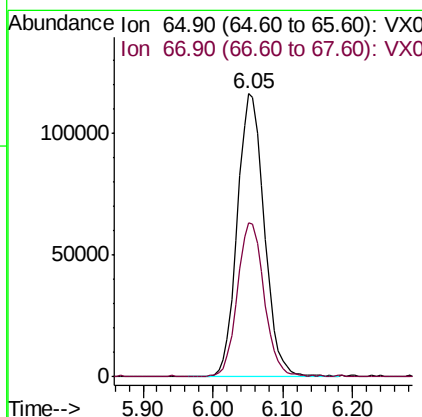
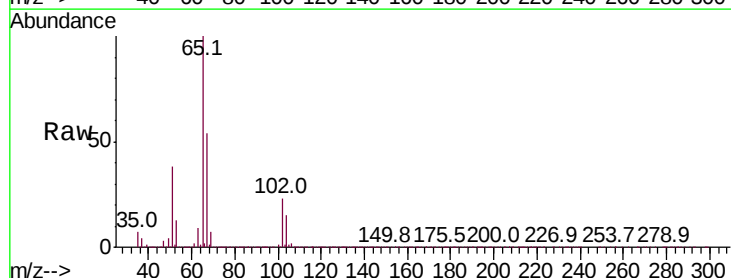
Instrument :
MSVOA_X
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RE132D6-20191209DL

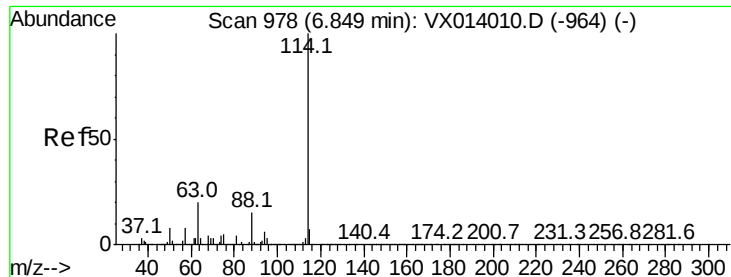
Tot Ion: 49 Resp: 83
Ion Ratio Lower Upper
49 100
129 548.2 0.0 5.0#
130 419.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 49.563 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014094.D
Acq: 18 Dec 2019 14:14

Tgt Ion: 65 Resp: 310762
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20191209DL

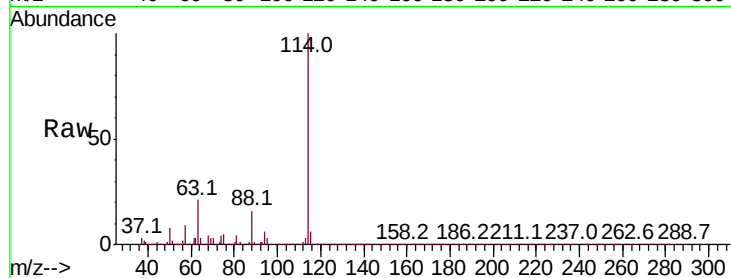
Tot Ion:114 Resp: 855111

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

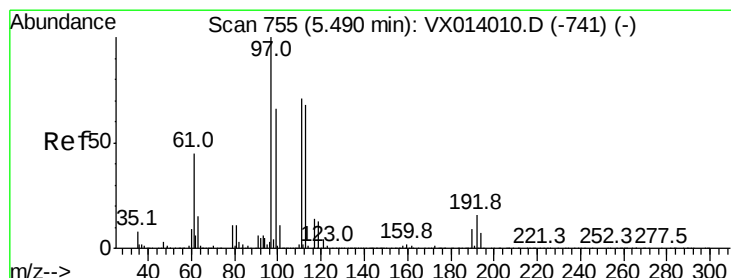
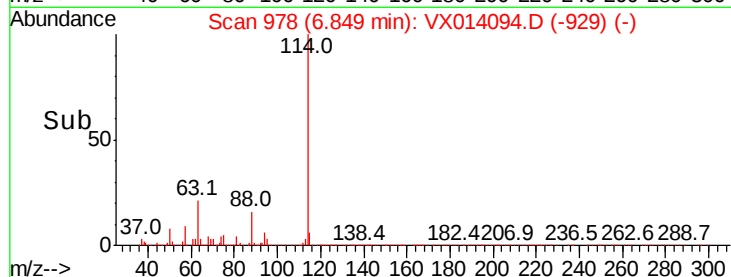
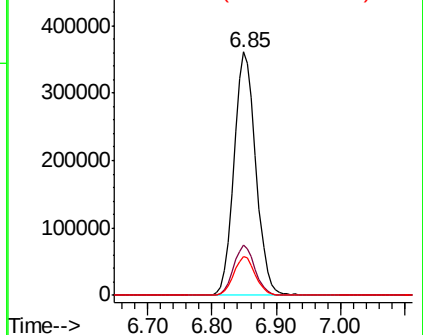
88 16.0 0.0 30.4



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: 49.372 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

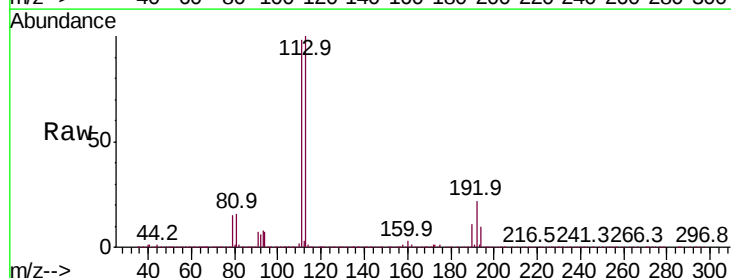
Tgt Ion:113 Resp: 256640

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

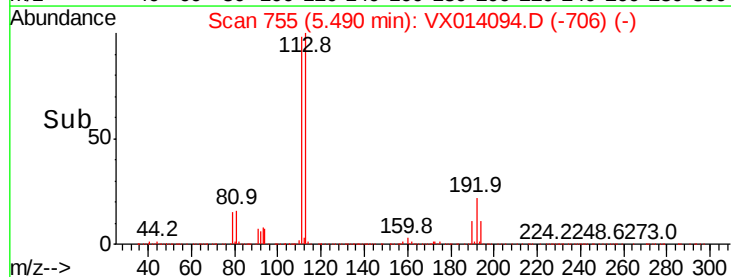
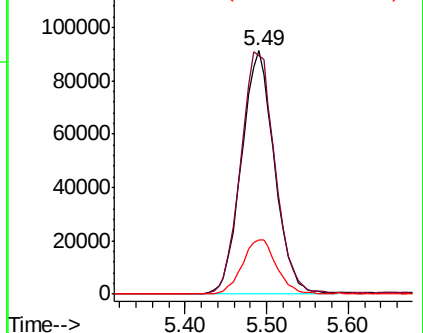
192 23.2 19.3 28.9

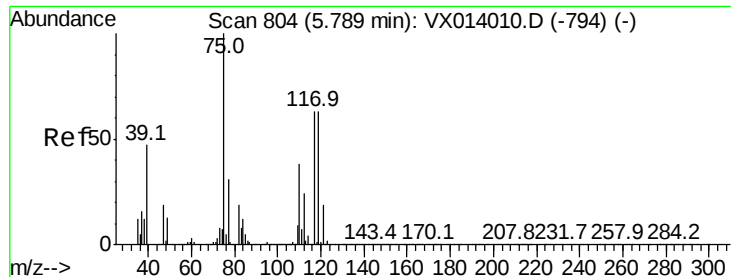


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

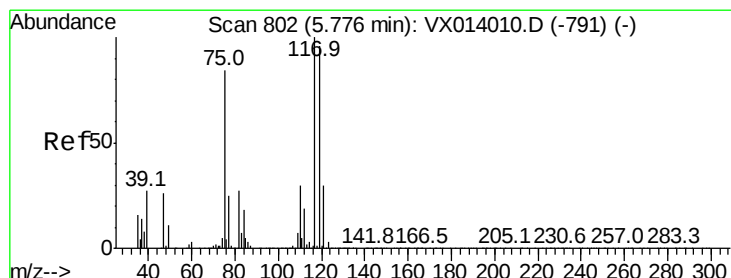
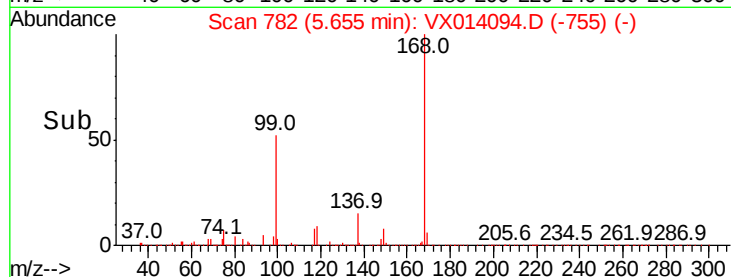
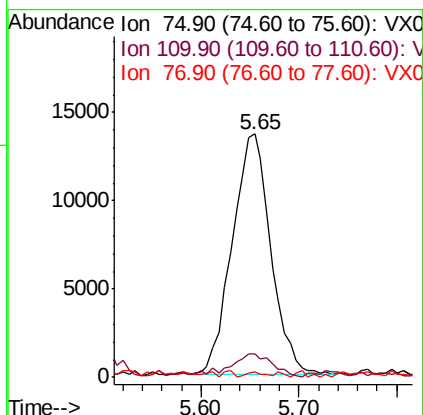
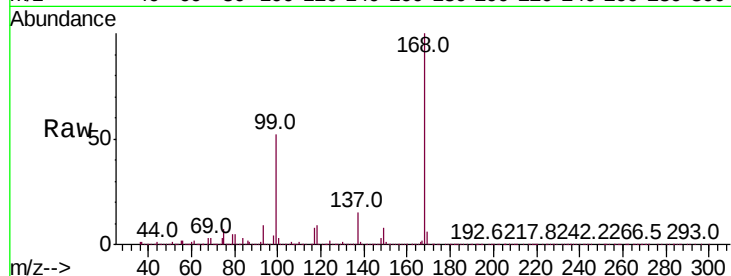




#36
 1,1-Dichloropropene
 Concen: 4.701 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014094.D
 Acq: 18 Dec 2019 14:14

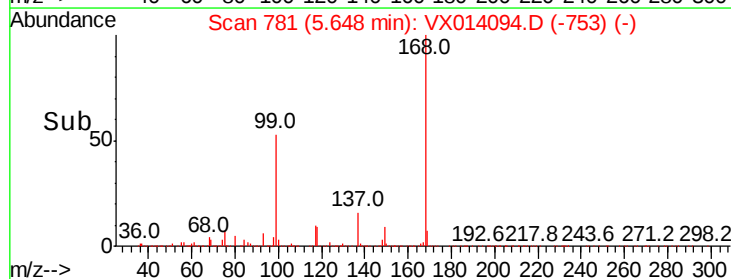
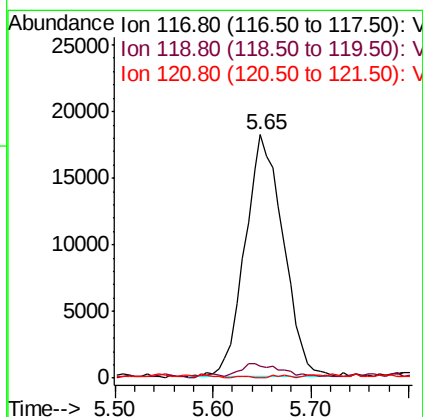
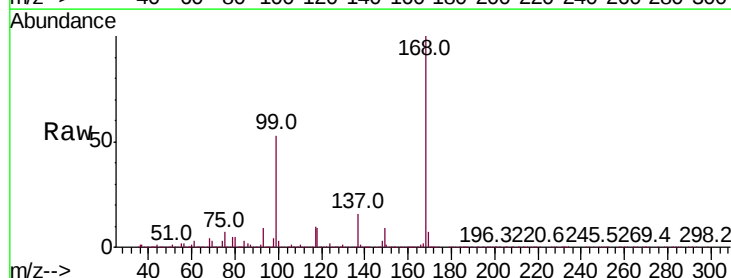
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20191209DL

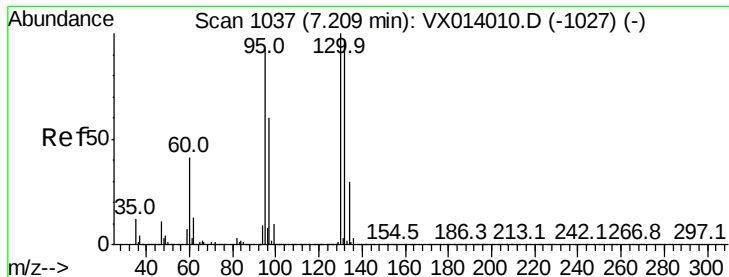
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.3	54.9#
77	1.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.936 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014094.D
 Acq: 18 Dec 2019 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.2	114.4#
121	0.0	23.6	35.4#





#44

Trichloroethene

Concen: 28.302 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

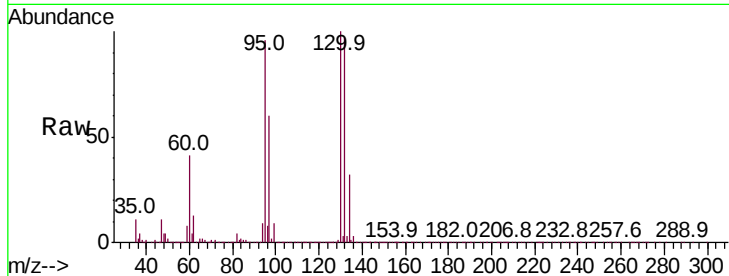
RE132D6-20191209DL

Tot Ion:130 Resp: 188723

Ion Ratio Lower Upper

130 100

95 95.4 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

100000

80000

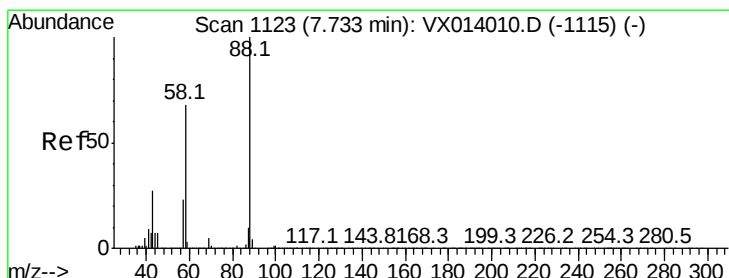
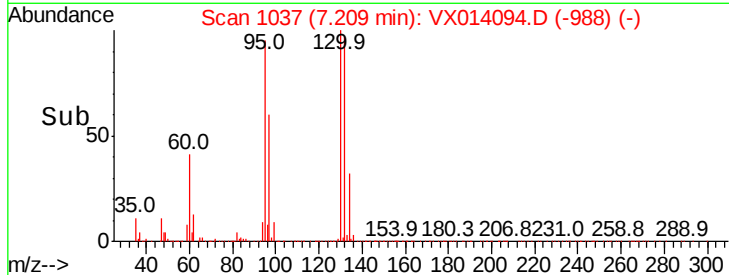
60000

40000

20000

0

Time-->



#49

1,4-Dioxane

Concen: 1.176 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

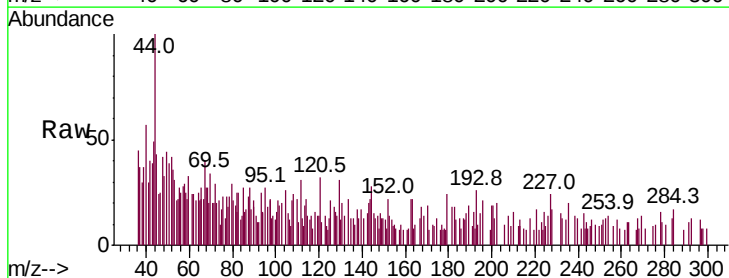
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

88 100

43 261.9 26.5 39.7#

58 226.8 56.8 85.2#



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

800

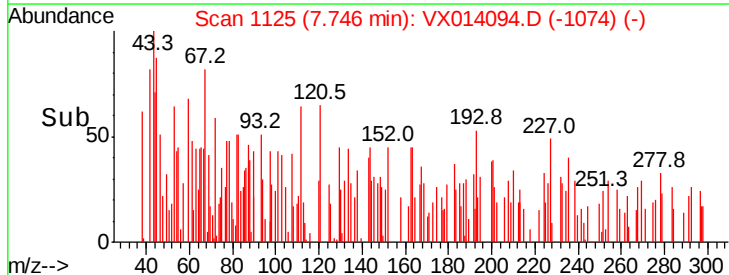
600

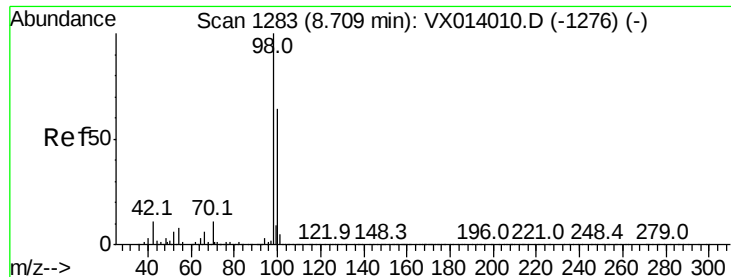
400

200

0

Time-->





#50

Toluene-d8

Concen: 50.015 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

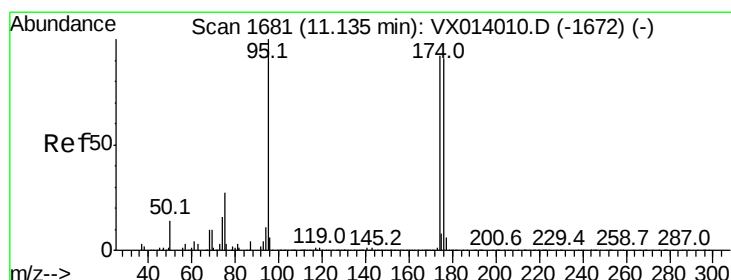
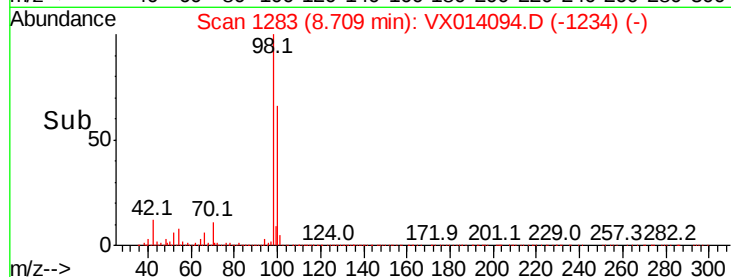
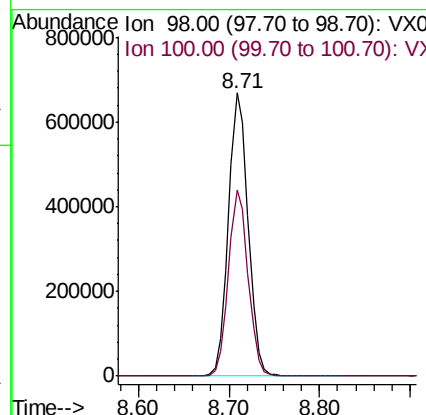
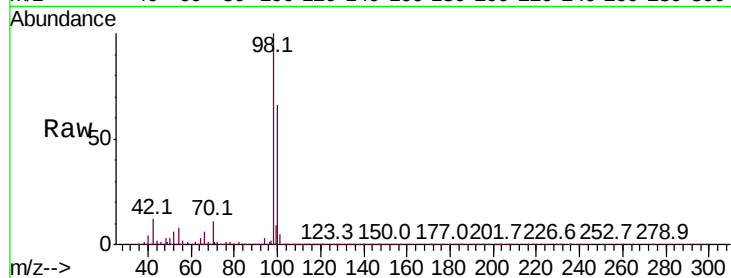
RE132D6-20191209DL

Tot Ion: 98 Resp: 1012188

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.544 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

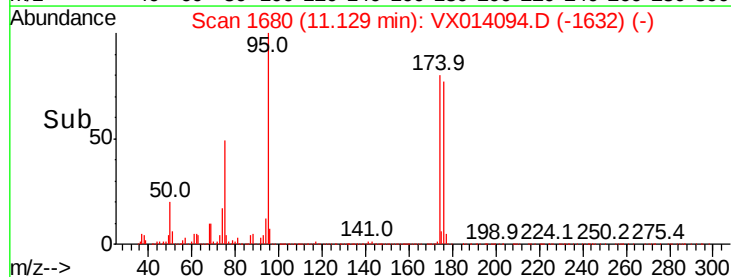
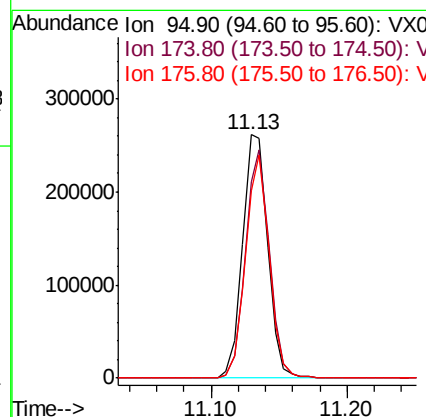
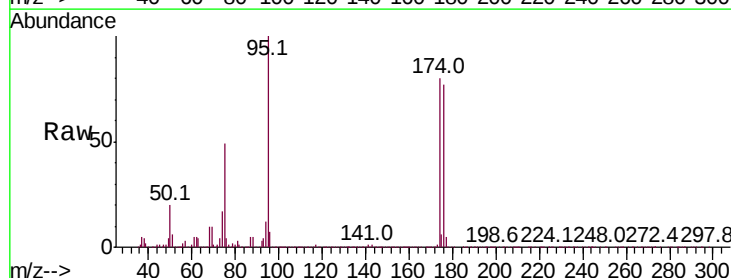
Tgt Ion: 95 Resp: 336925

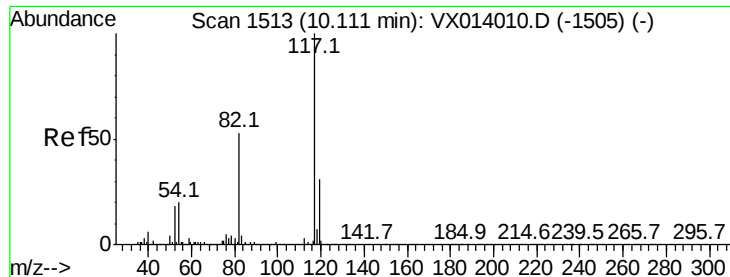
Ion Ratio Lower Upper

95 100

174 89.3 0.0 175.8

176 86.4 0.0 173.0

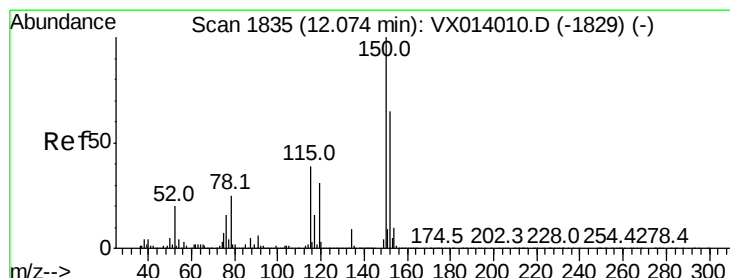
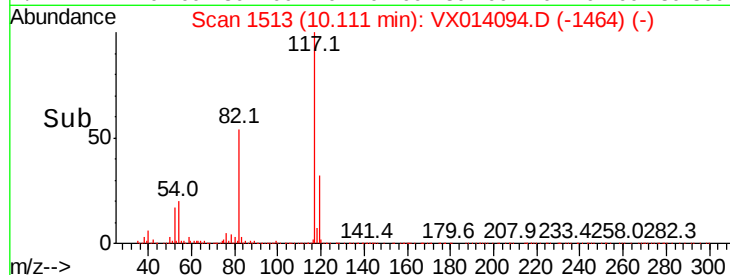
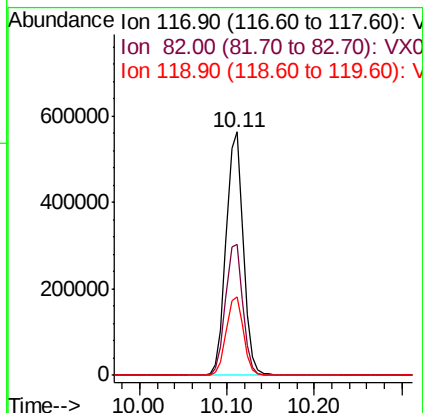
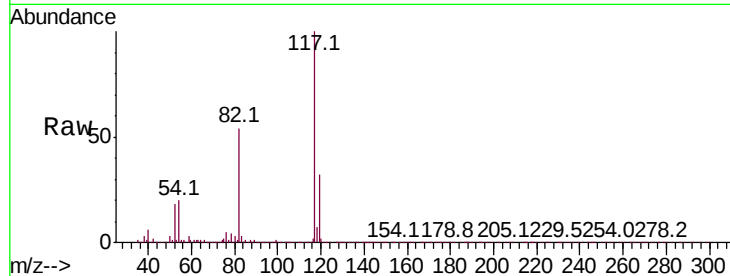




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014094.D
Acq: 18 Dec 2019 14:14

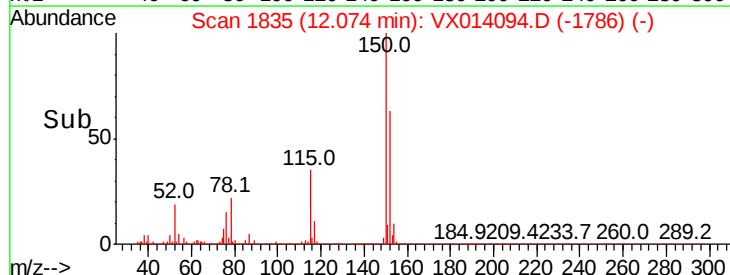
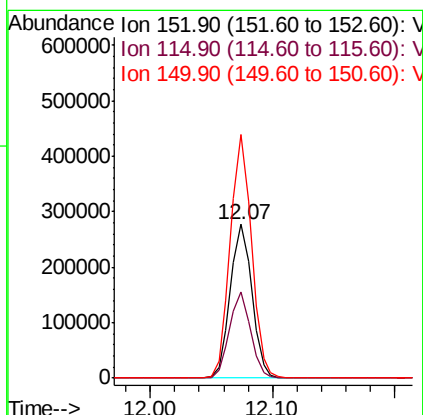
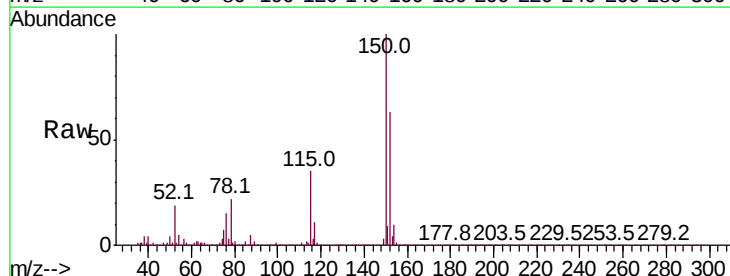
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20191209DL

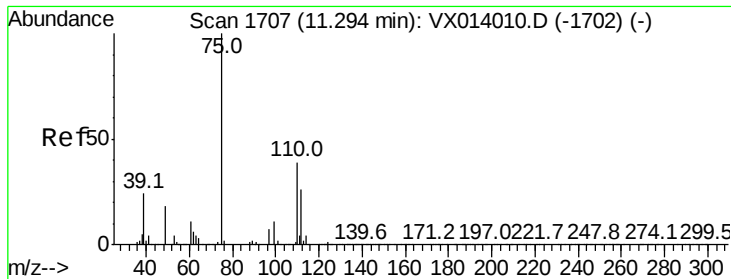
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.2	63.4
119	32.2	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014094.D
Acq: 18 Dec 2019 14:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.3	114.9
150	155.4	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.403 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

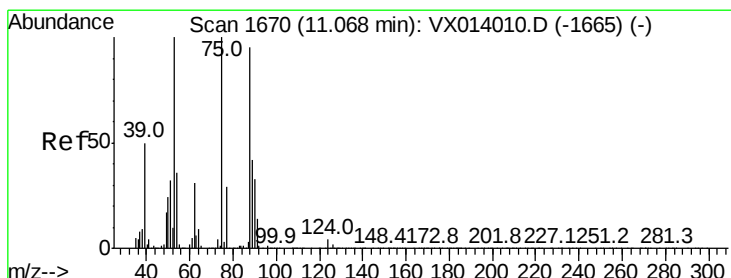
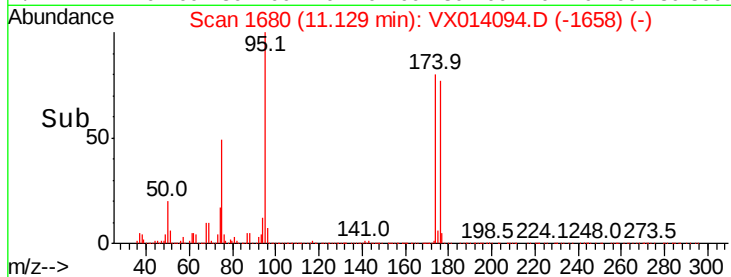
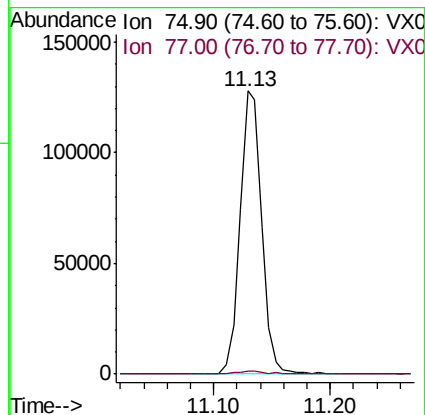
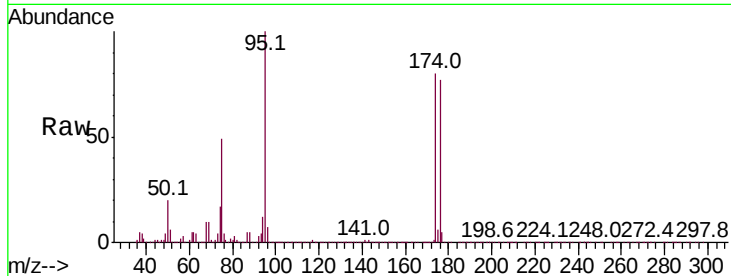
RE132D6-20191209DL

Tot Ion: 75 Resp: 164825

Ion Ratio Lower Upper

75 100

77 1.8 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.233 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014094.D

Acq: 18 Dec 2019 14:14

Tgt Ion: 75 Resp: 164825

Ion Ratio Lower Upper

75 100

53 0.5 76.7 115.1#

89 0.2 34.6 51.8#

