

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014035.D
 Acq On : 16 Dec 2019 15:14
 Operator : JC/SP
 Sample : K6252-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D2-20191210

Quant Time: Dec 17 03:29:14 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	587982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	899140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	798176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338615	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	323291	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.49	113	269786	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	8.71	98	1071560	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.14	95	350484	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

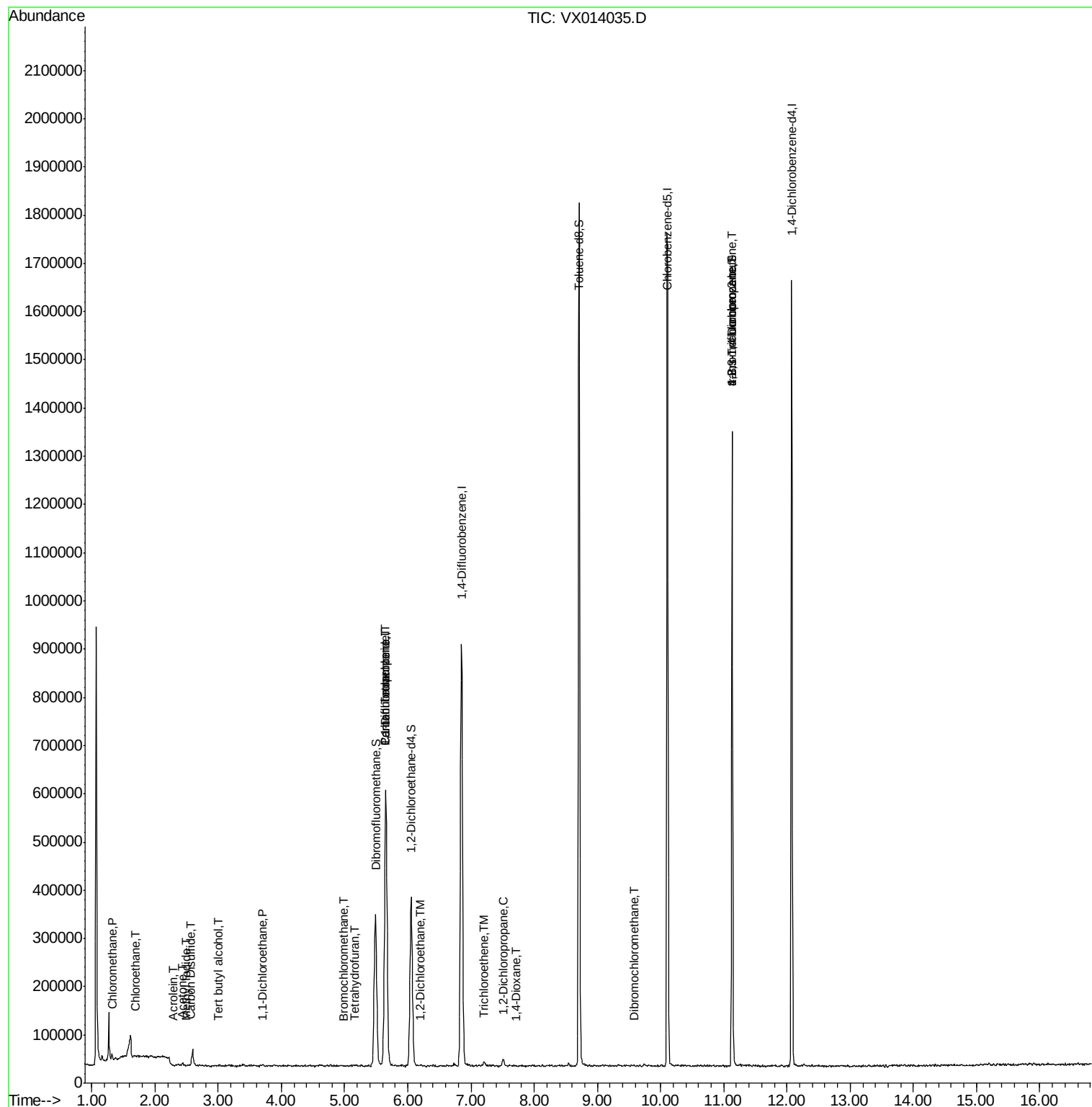
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	8198	1.161	ug/l	99
6) Chloroethane	1.68	64	1347	0.293	ug/l #	75
10) Methyl Iodide	2.50	142	382	2.670	ug/l #	31
11) Tert butyl alcohol	3.00	59	648	0.450	ug/l #	74
13) Acrolein	2.29	56	439	0.533	ug/l #	42
16) Acetone	2.43	43	6447	1.490	ug/l	92
17) Carbon Disulfide	2.56	76	1571	0.849	ug/l #	76
24) 1,1-Dichloroethane	3.70	63	2596	0.232	ug/l #	88
28) Bromochloromethane	4.99	49	295	0.522	ug/l #	89
29) Tetrahydrofuran	5.15	42	969	0.325	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	38533	4.671	ug/l #	53
38) Carbon Tetrachloride	5.65	117	51968	6.915	ug/l #	15
42) 1,2-Dichloroethane	6.18	62	2159	0.251	ug/l #	67
44) Trichloroethene	7.20	130	3944	0.563	ug/l	81
45) 1,2-Dichloropropane	7.51	63	6988	1.074	ug/l	92
49) 1,4-Dioxane	7.72	88	248	1.651	ug/l #	1
60) Dibromochloromethane	9.59	129	1361	0.213	ug/l	65
76) 1,2,3-Trichloropropane	11.14	75	169556	23.065	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	169556	65.101	ug/l #	12

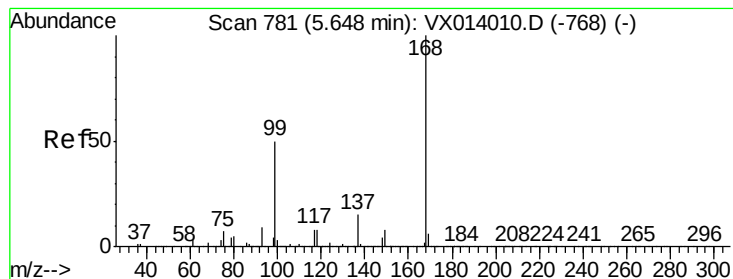
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

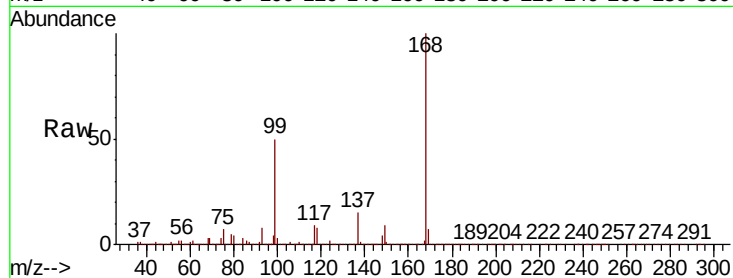
RE135D2-20191210

Tot Ion:168 Resp: 587982

Ion Ratio Lower Upper

168 100

99 50.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

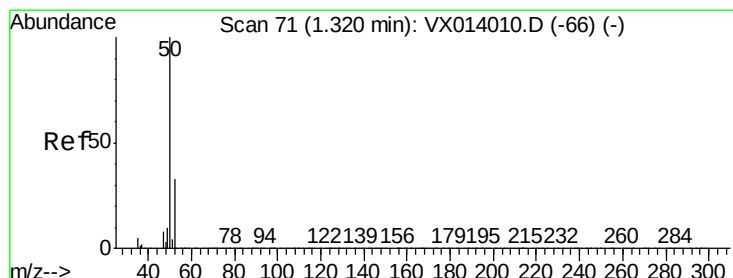
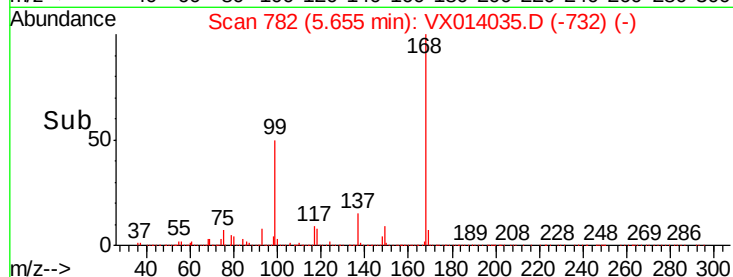
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.161 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014035.D

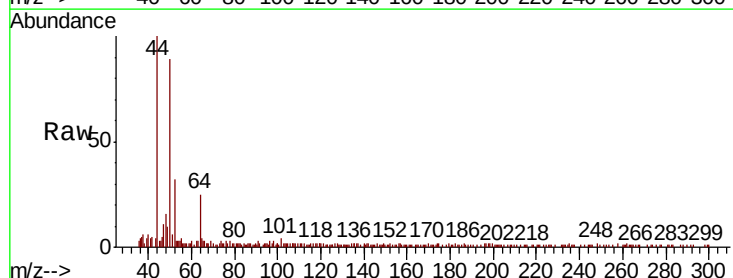
Acq: 16 Dec 2019 15:14

Tgt Ion: 50 Resp: 8198

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

8000

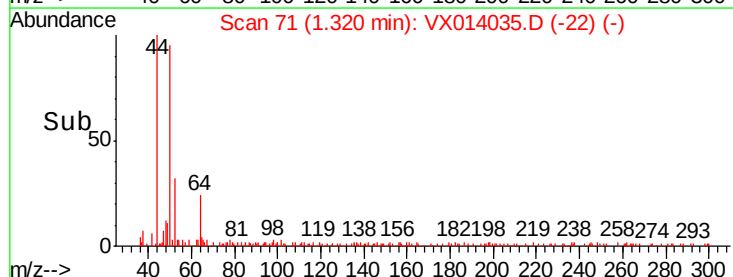
6000

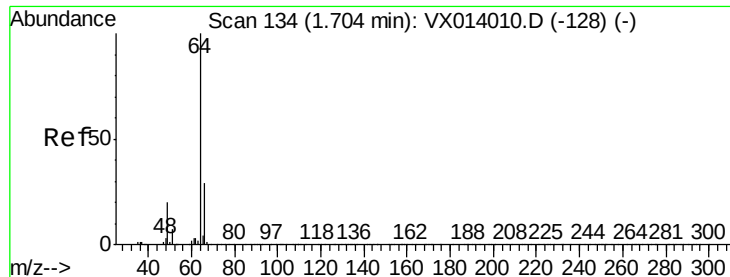
4000

2000

0

Time-->





#6

Chloroethane

Concen: 0.293 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.02 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

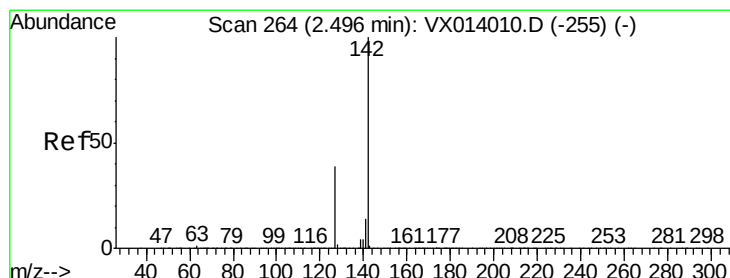
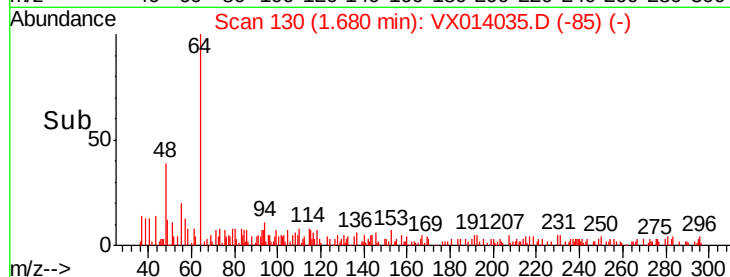
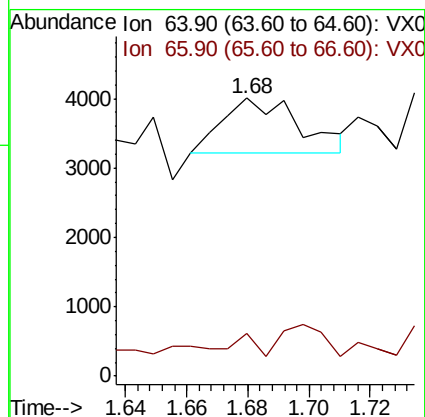
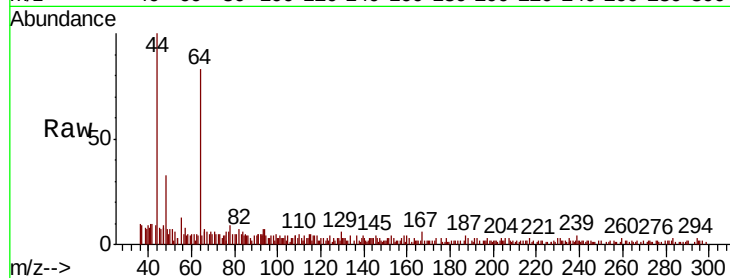
RE135D2-20191210

Tot Ion: 64 Resp: 1347

Ion Ratio Lower Upper

64 100

66 42.5 23.4 35.2#



#10

Methyl Iodide

Concen: 2.670 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

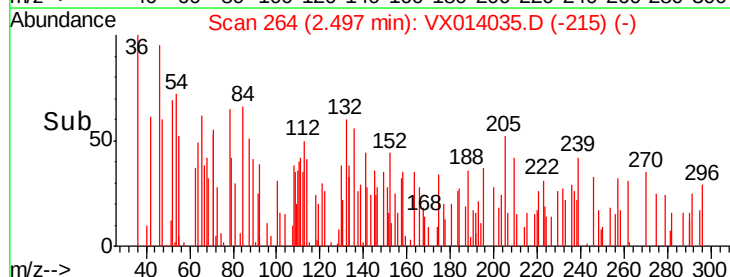
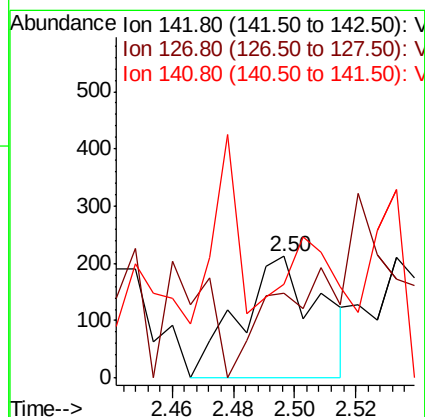
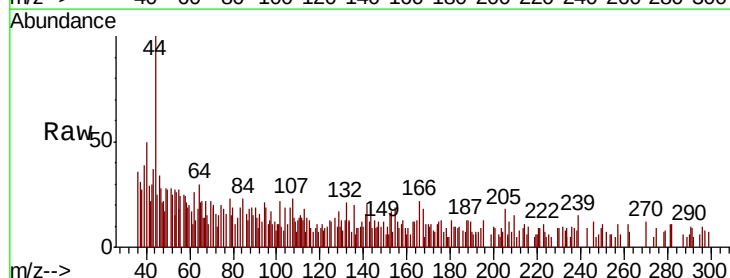
Tgt Ion: 142 Resp: 382

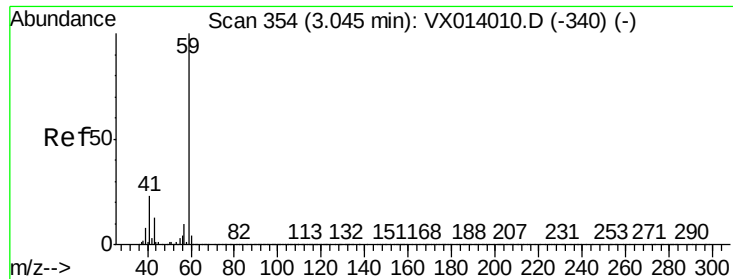
Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

141 47.9 11.6 17.4#



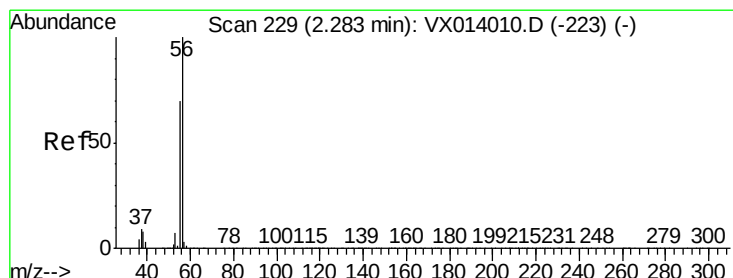
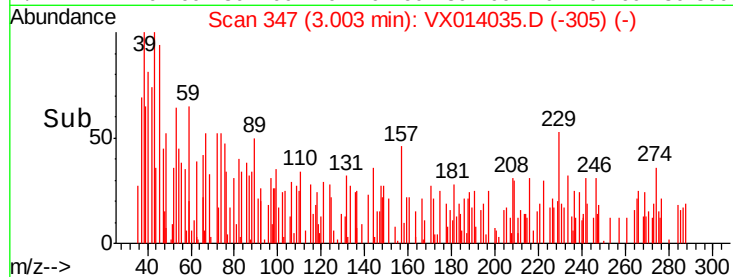
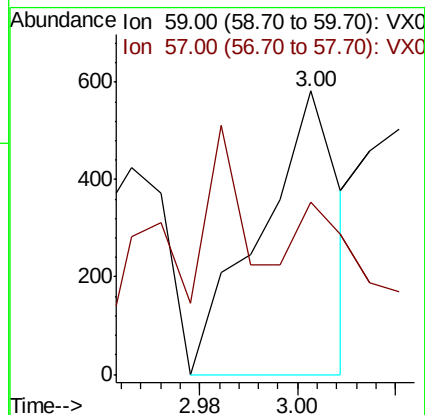
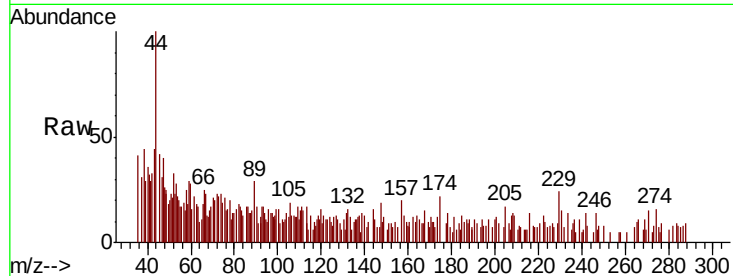


#11

Tert butyl alcohol
 Concen: 0.450 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D2-20191210

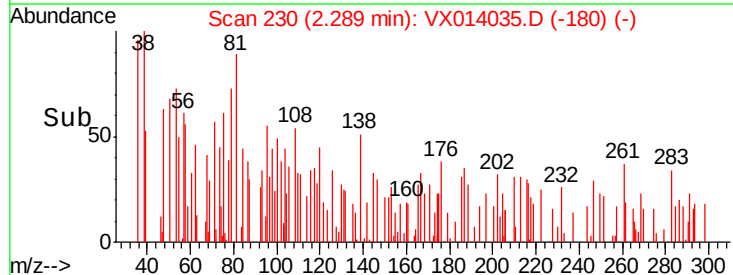
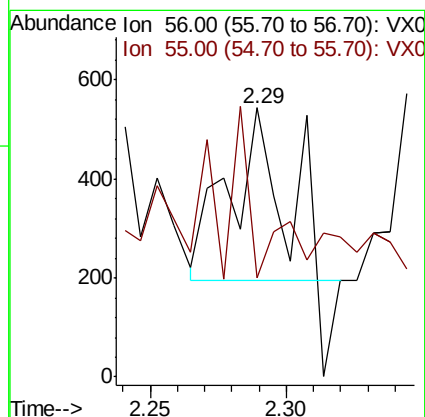
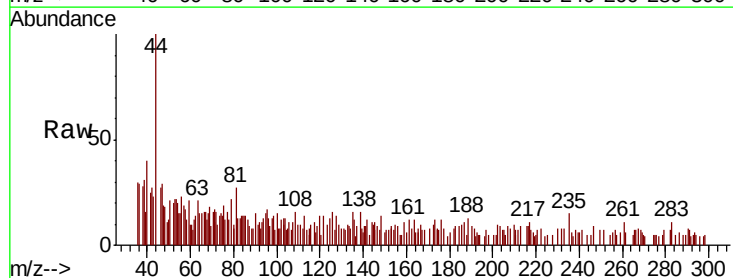
Tot Ion: 59 Resp: 648
 Ion Ratio Lower Upper
 59 100
 57 20.2 8.4 12.6#

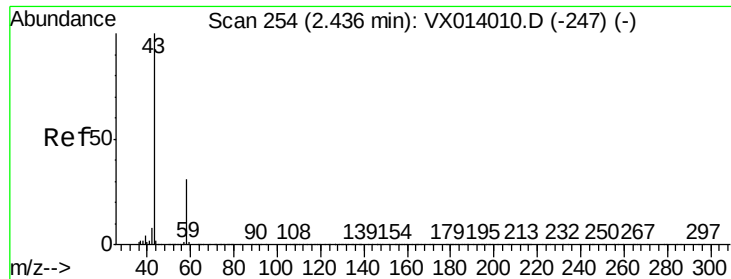


#13

Acrolein
 Concen: 0.533 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

Tgt Ion: 56 Resp: 439
 Ion Ratio Lower Upper
 56 100
 55 23.5 56.9 85.3#





#16

Acetone

Concen: 1.490 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

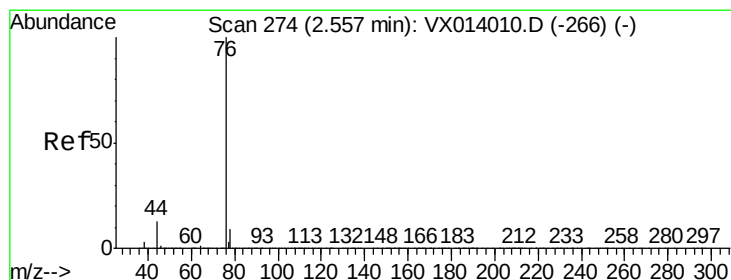
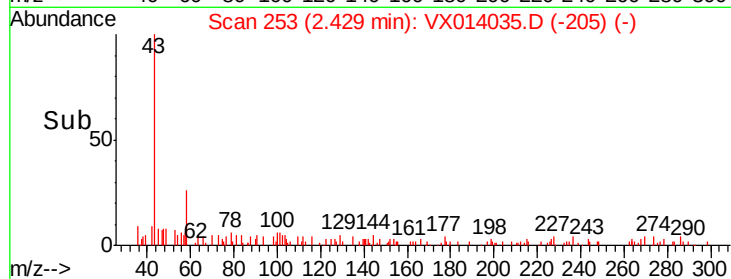
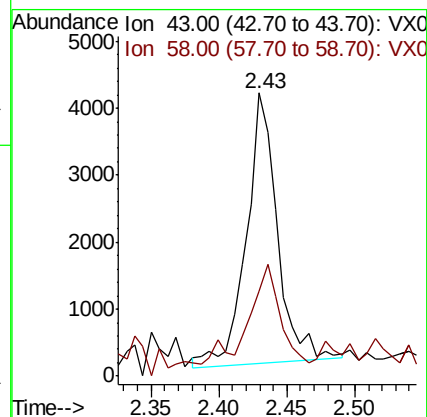
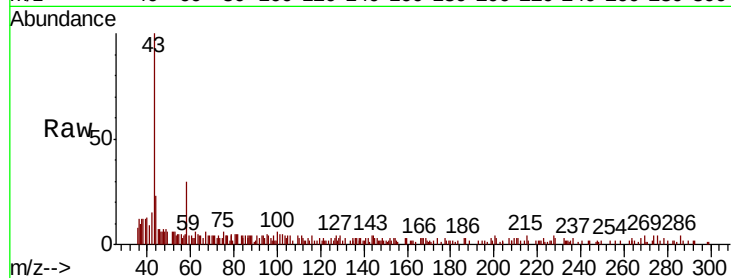
RE135D2-20191210

Tot Ion: 43 Resp: 6447

Ion Ratio Lower Upper

43 100

58 26.8 24.9 37.3



#17

Carbon Disulfide

Concen: 0.849 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014035.D

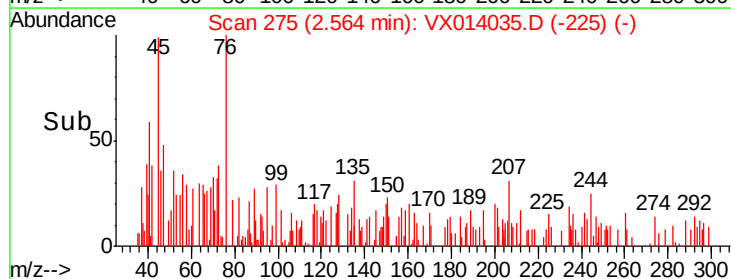
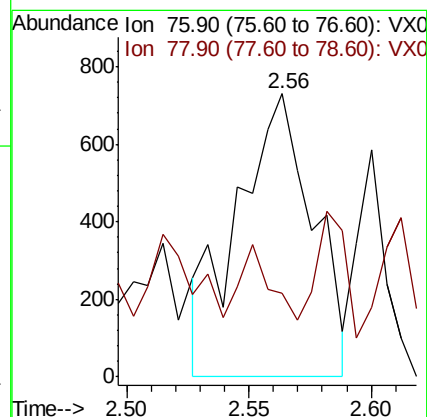
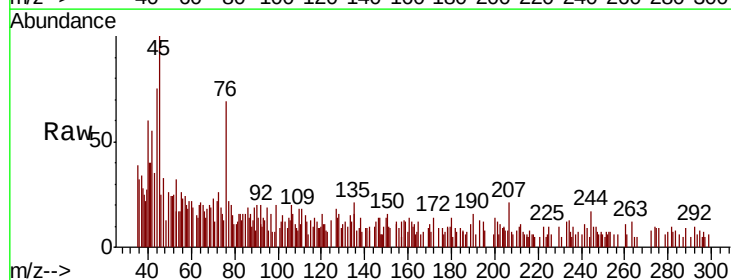
Acq: 16 Dec 2019 15:14

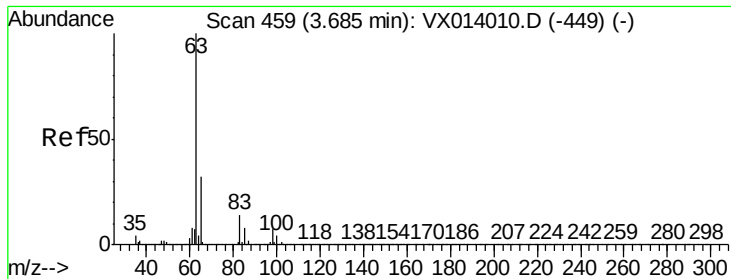
Tgt Ion: 76 Resp: 1571

Ion Ratio Lower Upper

76 100

78 0.5 7.2 10.8#





#24

1,1-Dichloroethane

Concen: 0.232 ug/l

RT: 3.70 min Scan# 461

Delta R.T. 0.01 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE135D2-20191210

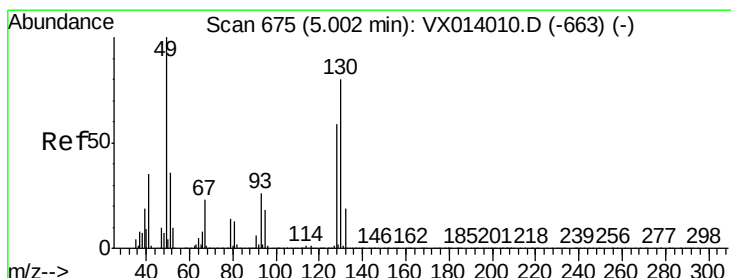
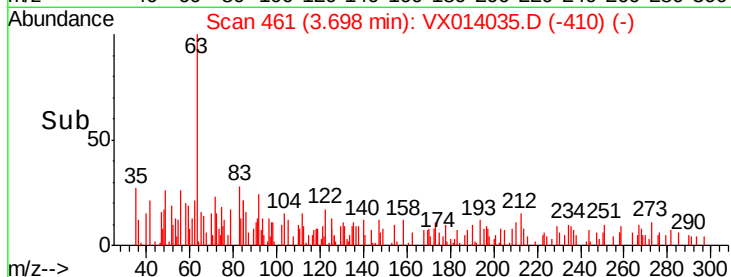
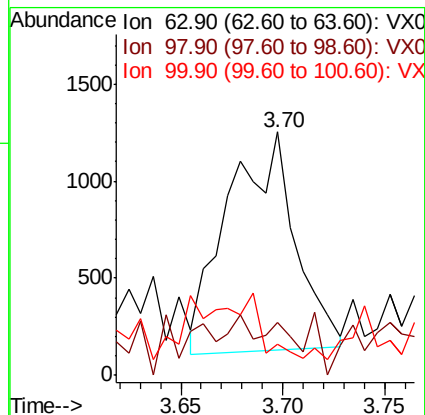
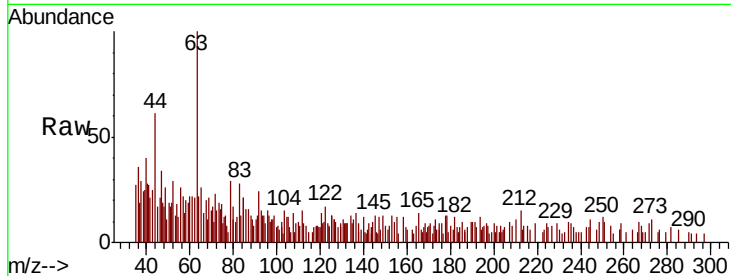
Tot Ion: 63 Resp: 2596

Ion Ratio Lower Upper

63 100

98 11.3 3.6 10.8#

100 0.0 2.3 6.8#



#28

Bromochloromethane

Concen: 0.522 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

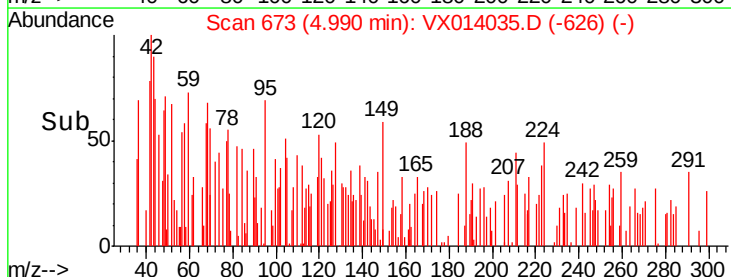
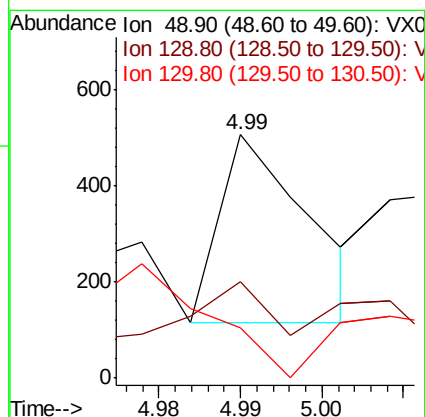
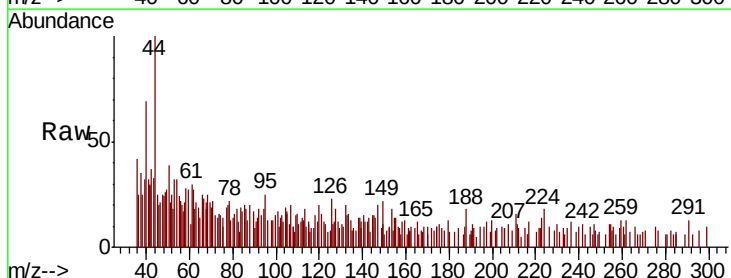
Tgt Ion: 49 Resp: 295

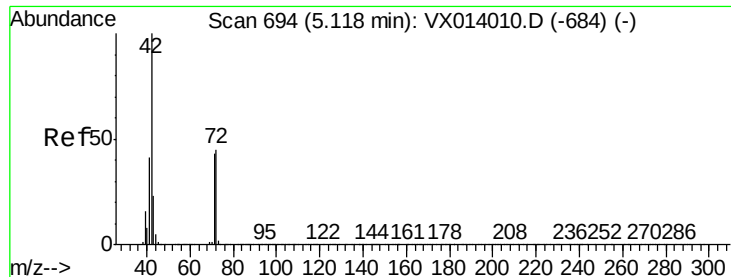
Ion Ratio Lower Upper

49 100

129 22.7 0.0 5.0#

130 88.8 64.6 97.0





#29

Tetrahydrofuran

Concen: 0.325 ug/l

RT: 5.15 min Scan# 699

Delta R.T. 0.03 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

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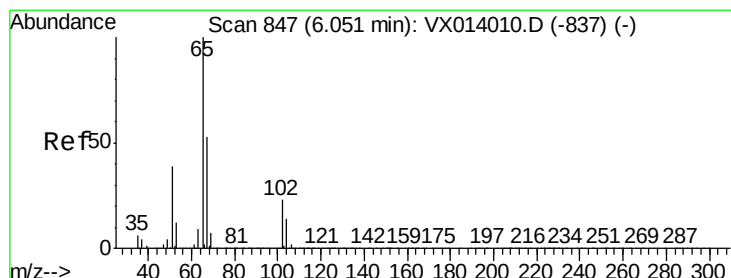
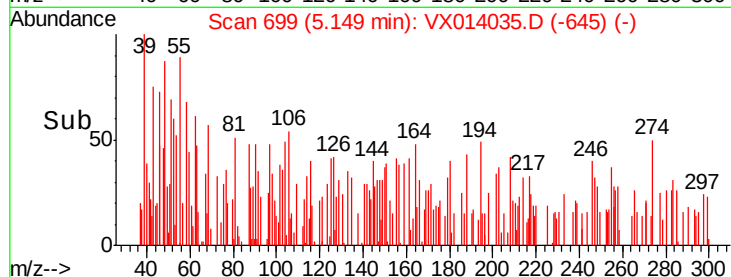
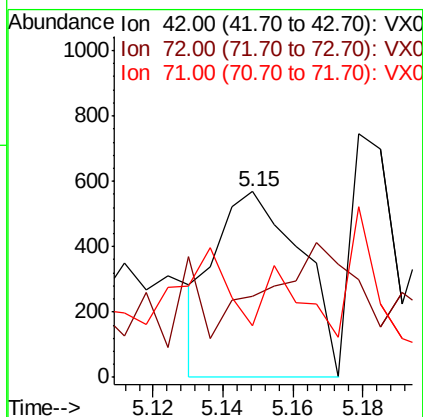
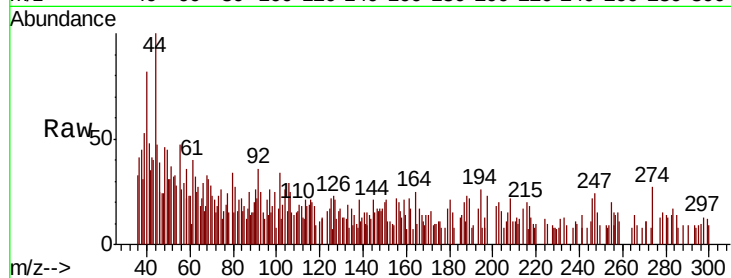
Tot Ion: 42 Resp: 969

Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.8#

71 22.4 33.6 50.4#



#33

1,2-Dichloroethane-d4

Concen: 48.513 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014035.D

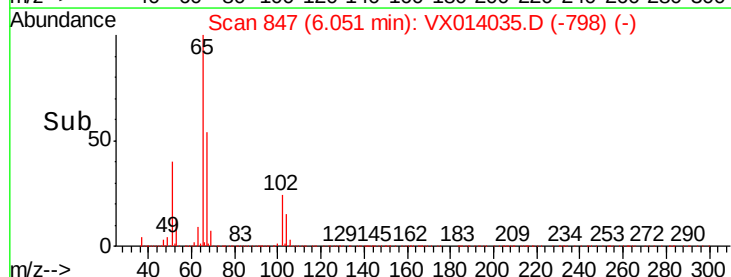
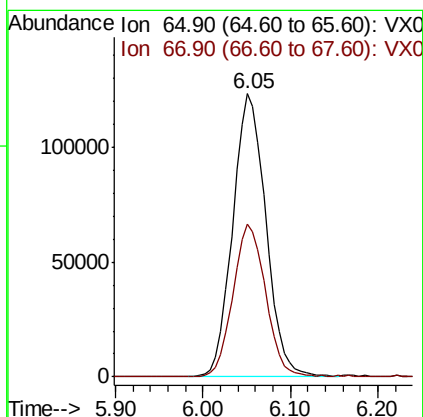
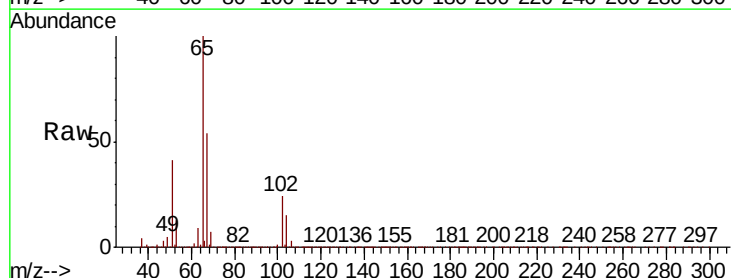
Acq: 16 Dec 2019 15:14

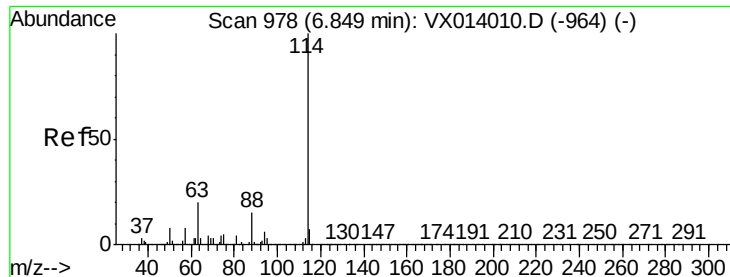
Tgt Ion: 65 Resp: 323291

Ion Ratio Lower Upper

65 100

67 53.2 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: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE135D2-20191210

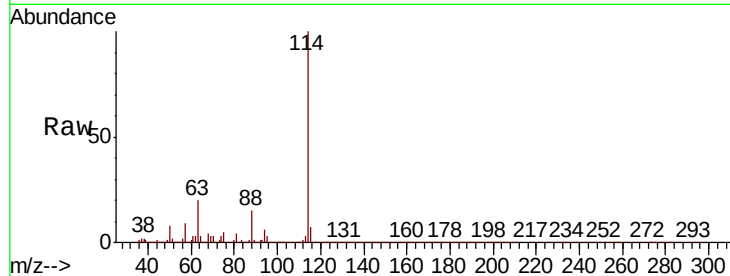
Tot Ion:114 Resp: 899140

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

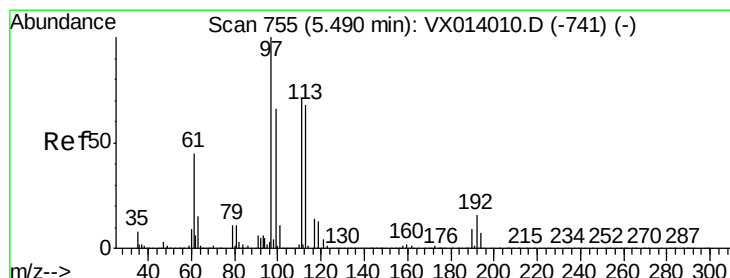
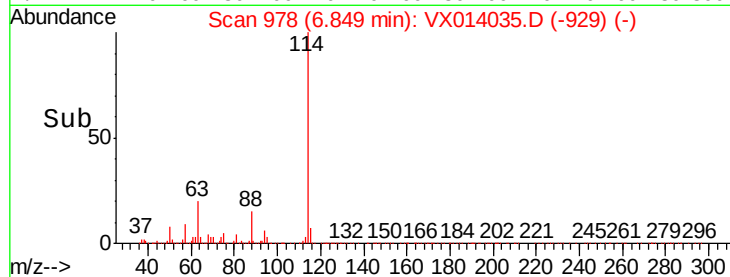
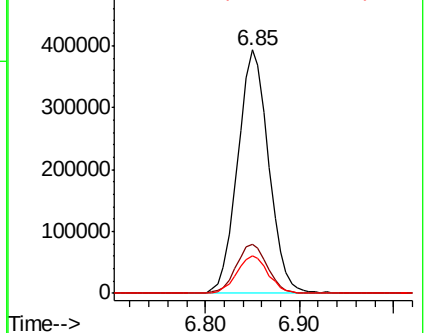
88 15.3 0.0 30.4



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: 49.359 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

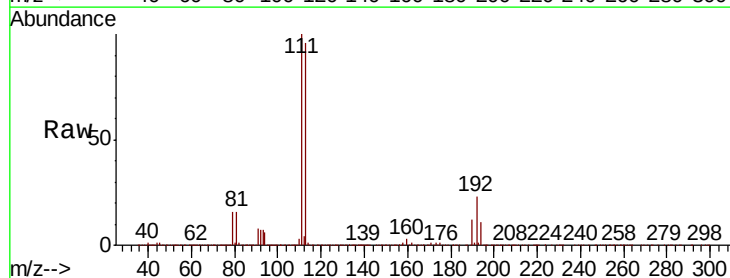
Tgt Ion:113 Resp: 269786

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

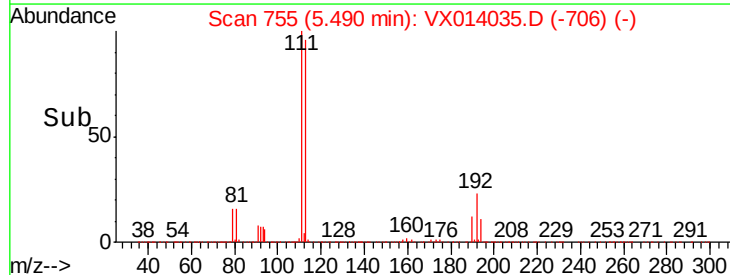
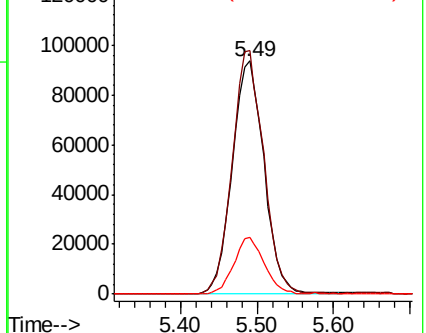
192 23.5 19.3 28.9

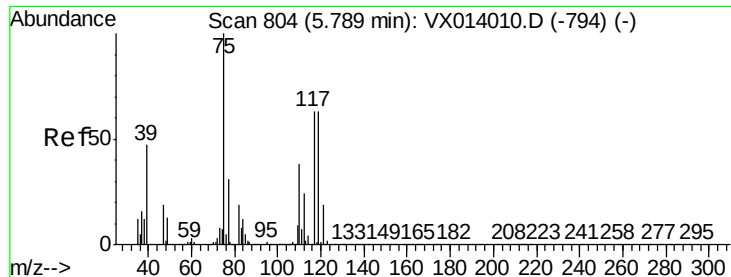


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

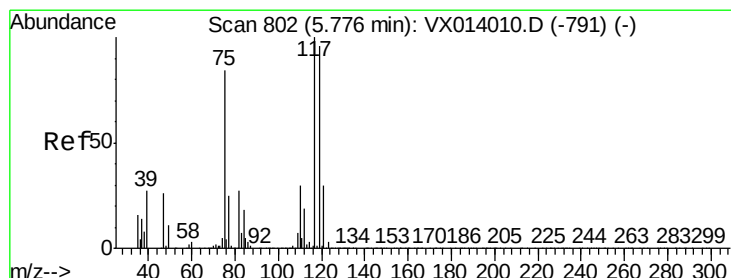
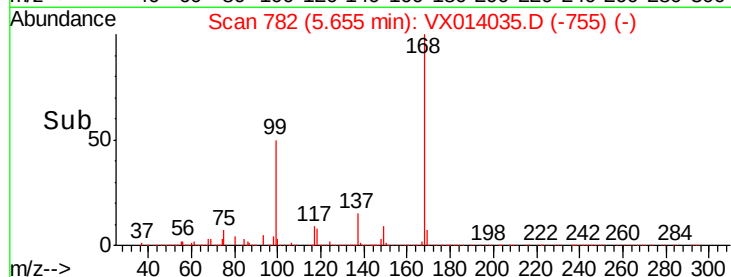
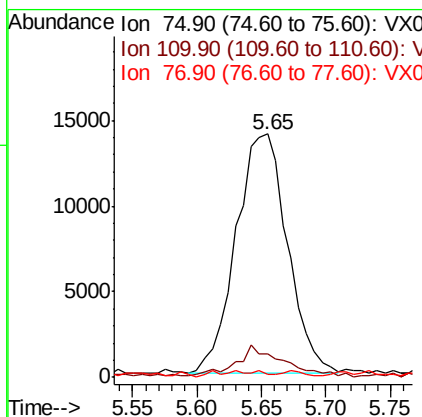
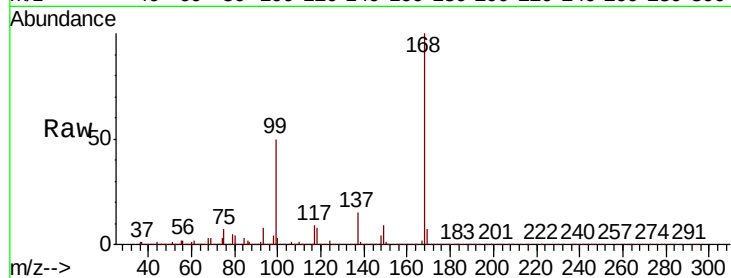




#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

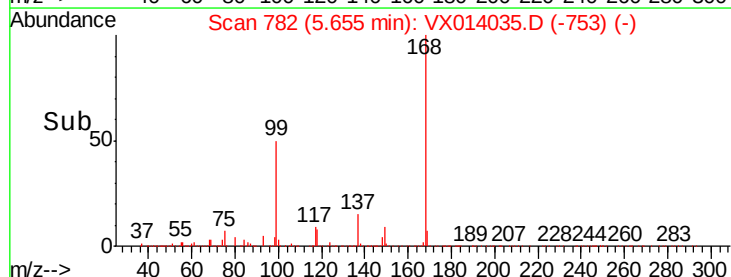
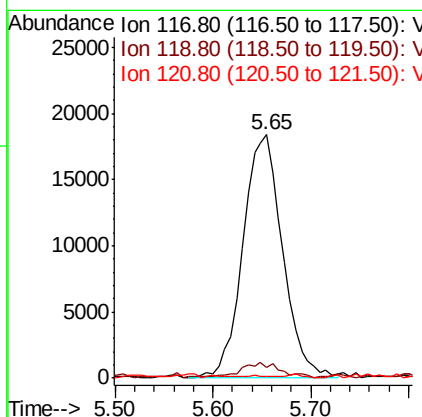
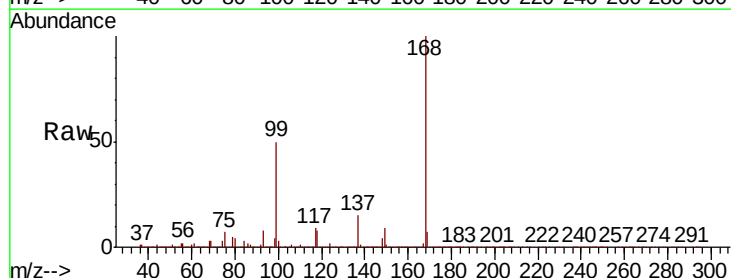
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D2-20191210

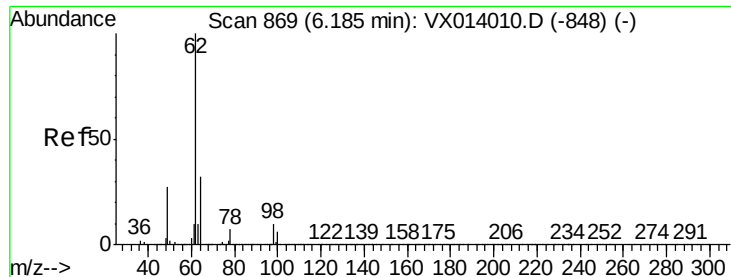
Tot Ion	Ratio	Lower	Upper
75	100		
110	13.0	18.3	54.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.915 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.2	114.4#
121	0.0	23.6	35.4#





#42

1,2-Dichloroethane

Concen: 0.251 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

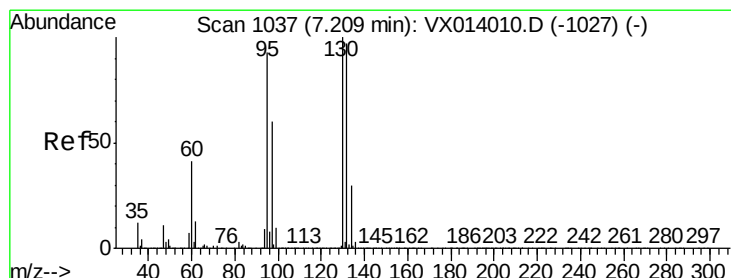
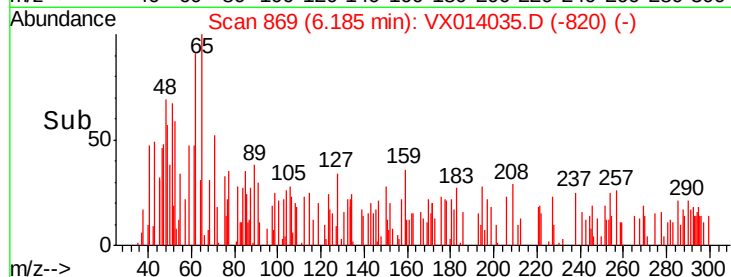
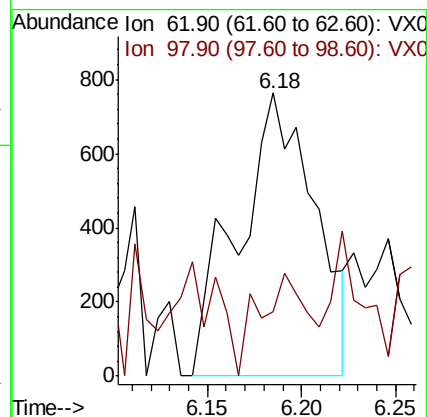
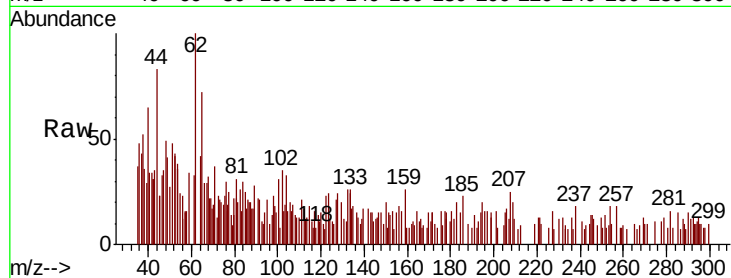
RE135D2-20191210

Tot Ion: 62 Resp: 2159

Ion Ratio Lower Upper

62 100

98 23.0 0.0 21.0#



#44

Trichloroethene

Concen: 0.563 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014035.D

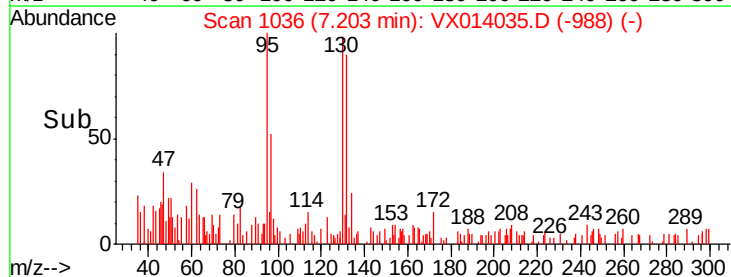
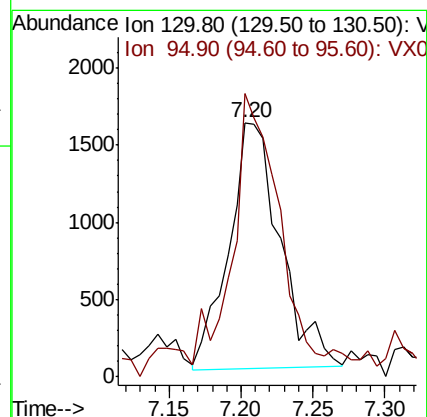
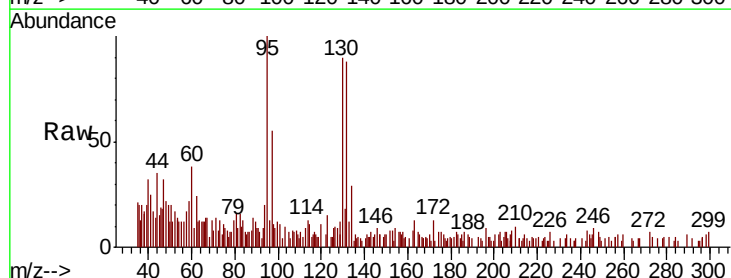
Acq: 16 Dec 2019 15:14

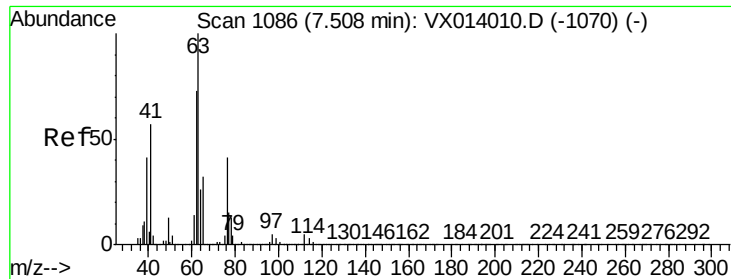
Tgt Ion: 130 Resp: 3944

Ion Ratio Lower Upper

130 100

95 111.3 0.0 185.6

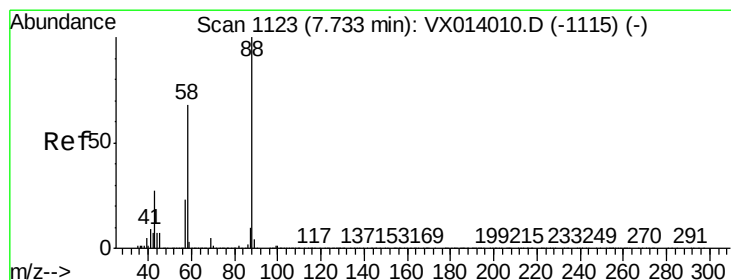
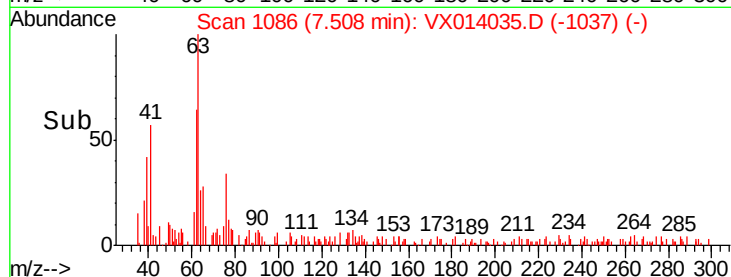
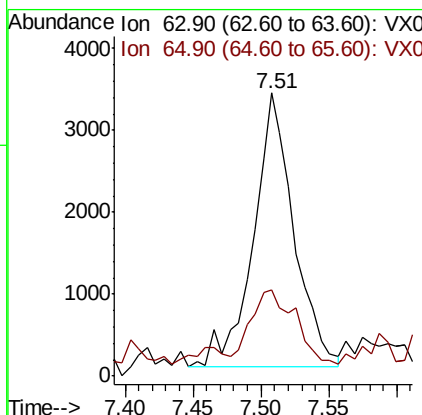
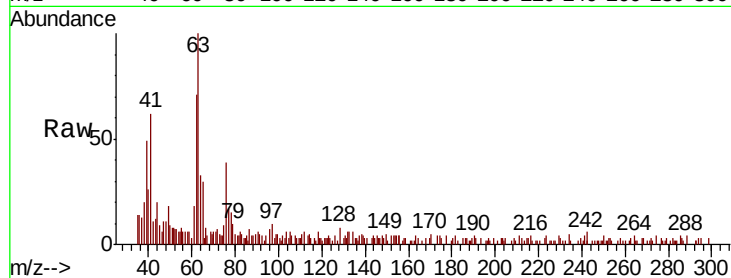




#45
 1,2-Dichloropropane
 Concen: 1.074 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

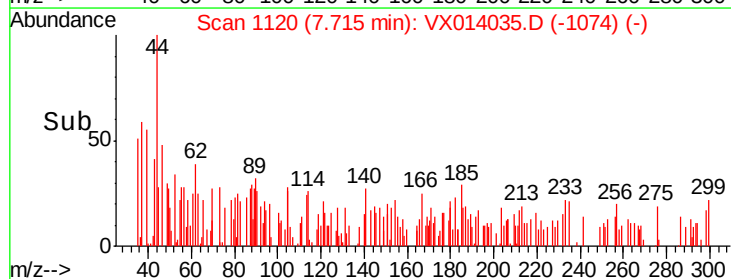
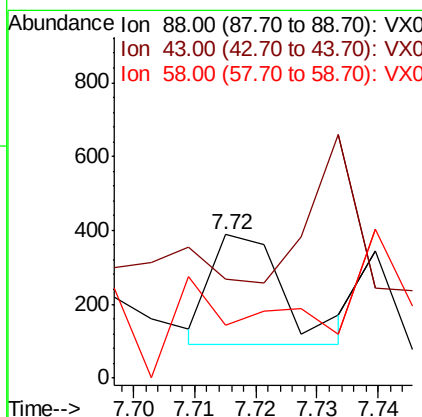
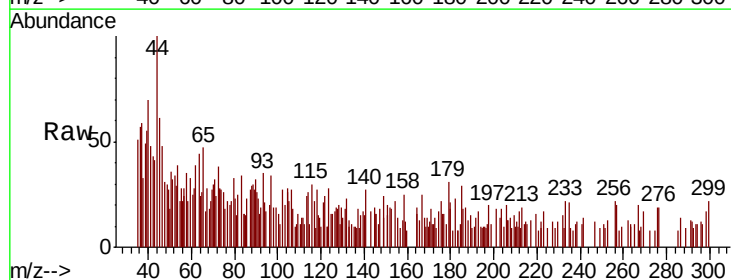
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D2-20191210

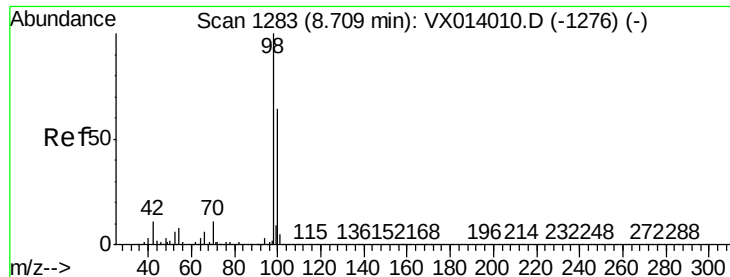
Tot Ion: 63 Resp: 6988
 Ion Ratio Lower Upper
 63 100
 65 27.8 25.8 38.8



#49
 1,4-Dioxane
 Concen: 1.651 ug/l
 RT: 7.72 min Scan# 1120
 Delta R.T. -0.02 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

Tgt Ion: 88 Resp: 248
 Ion Ratio Lower Upper
 88 100
 43 227.8 26.5 39.7#
 58 88.3 56.8 85.2#





#50

Toluene-d8

Concen: 50.356 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

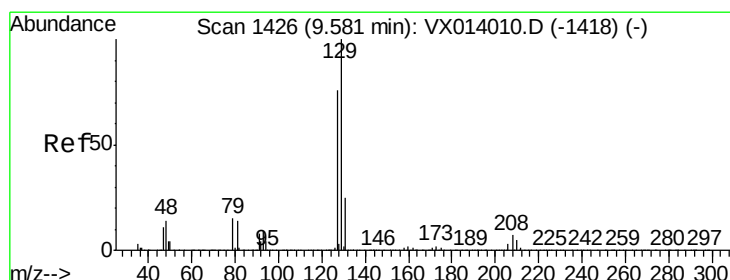
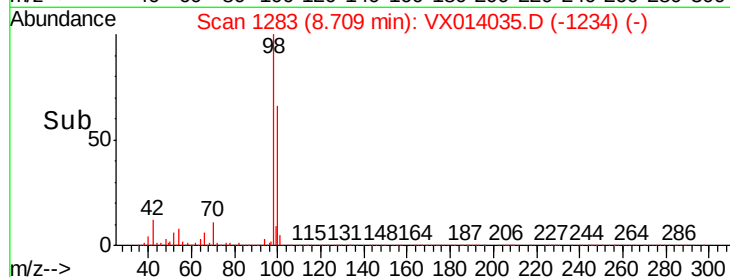
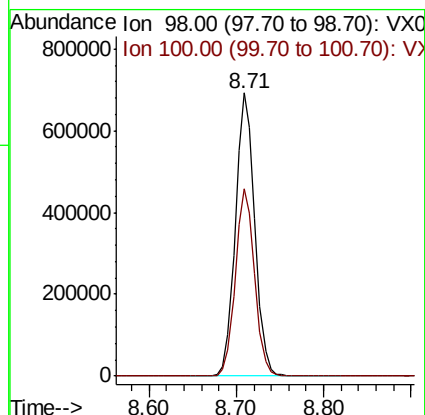
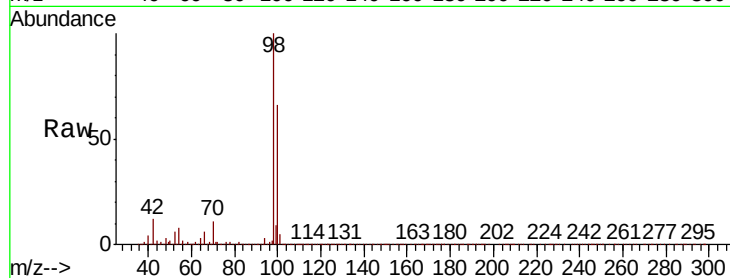
RE135D2-20191210

Tot Ion: 98 Resp: 1071560

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#60

Dibromochloromethane

Concen: 0.213 ug/l

RT: 9.59 min Scan# 1427

Delta R.T. 0.01 min

Lab File: VX014035.D

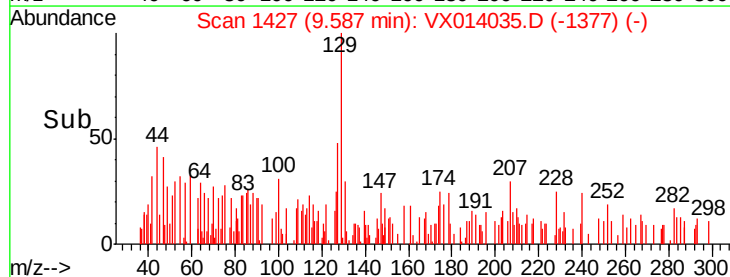
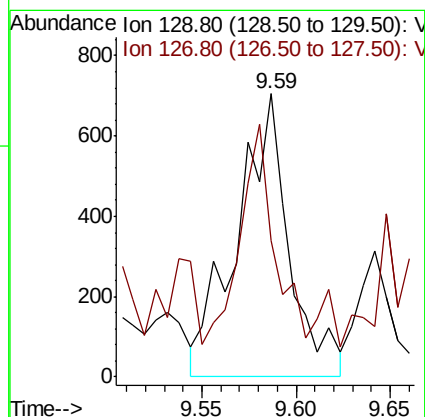
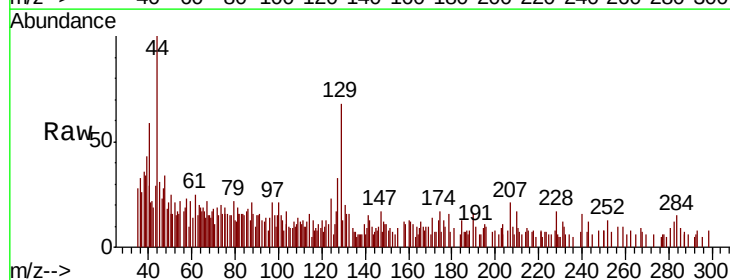
Acq: 16 Dec 2019 15:14

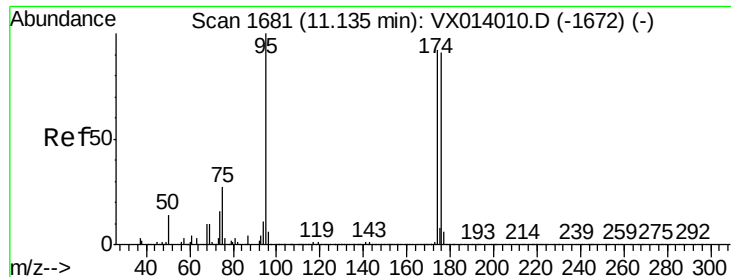
Tgt Ion: 129 Resp: 1361

Ion Ratio Lower Upper

129 100

127 46.5 38.4 115.2

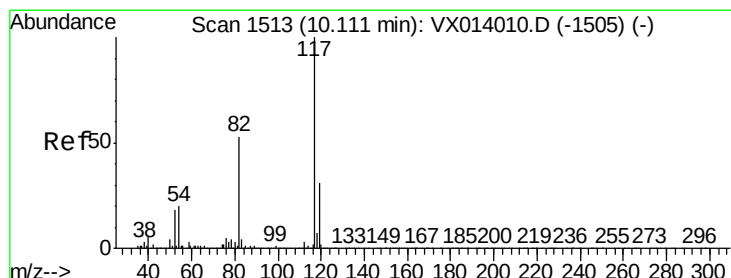
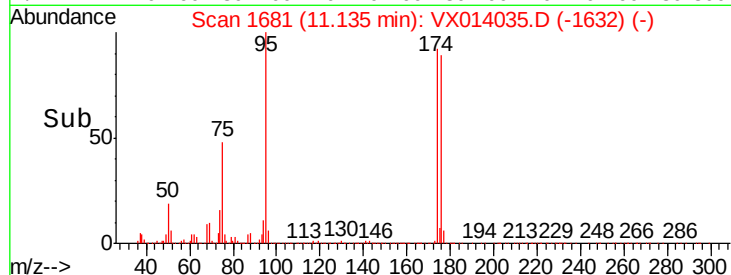
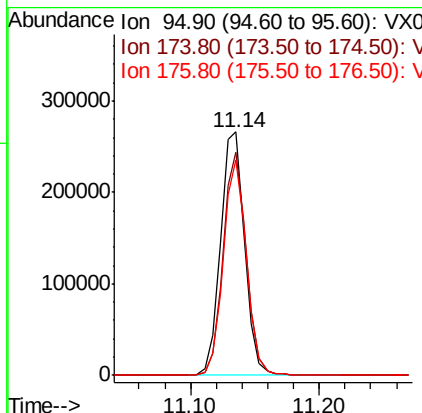
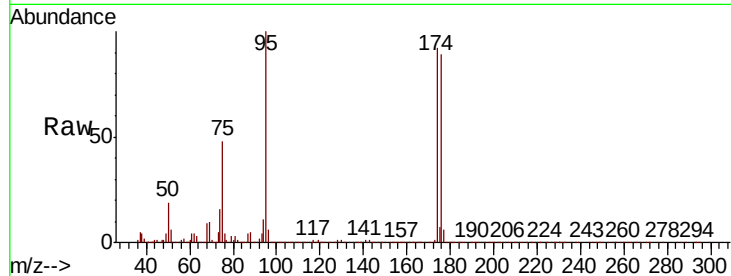




#62
4-Bromofluorobenzene
Concen: 45.057 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014035.D
Acq: 16 Dec 2019 15:14

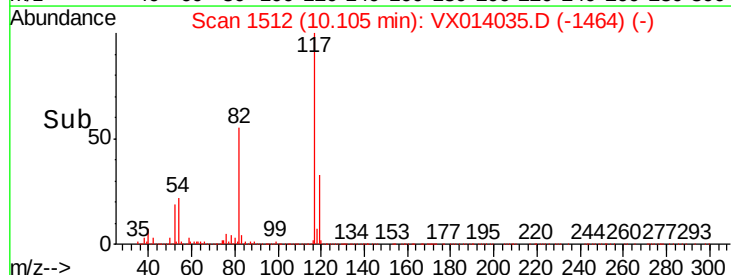
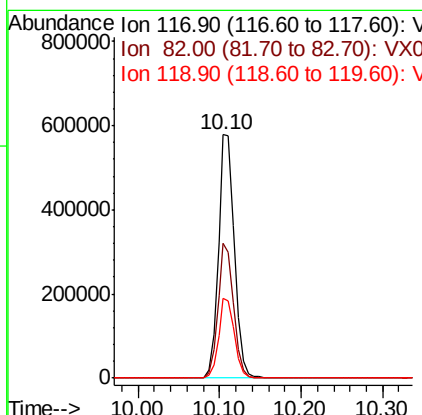
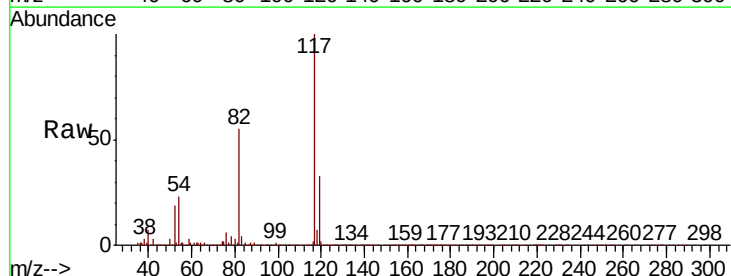
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20191210

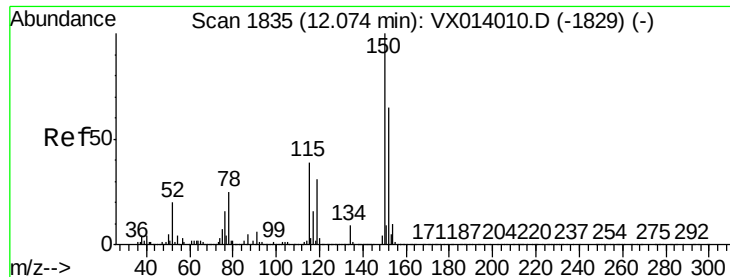
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	175.8
176	85.5	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014035.D
Acq: 16 Dec 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.2	63.4
119	32.6	25.1	37.7

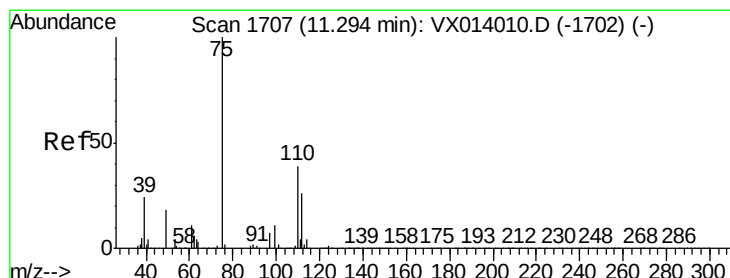
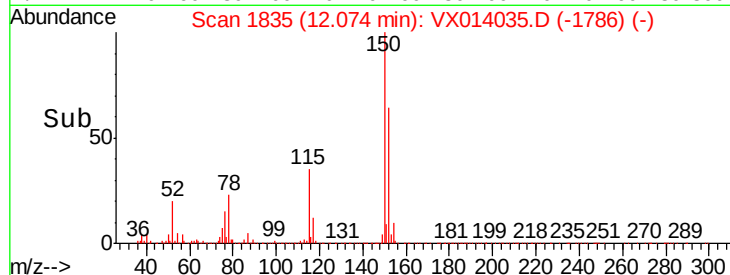
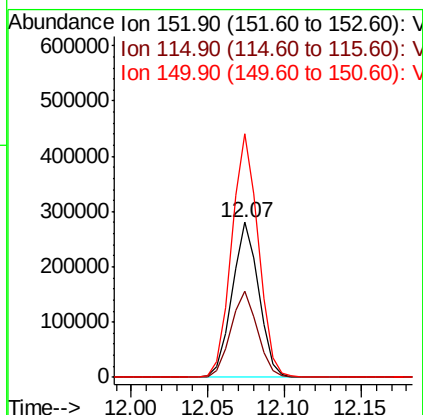
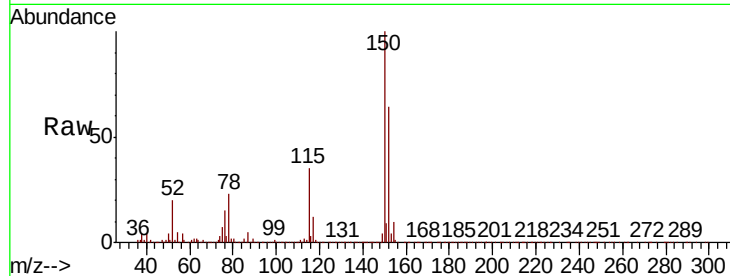




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

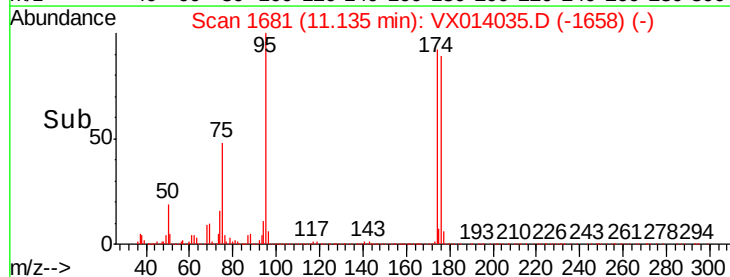
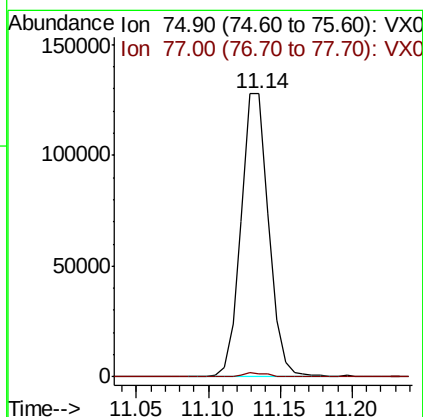
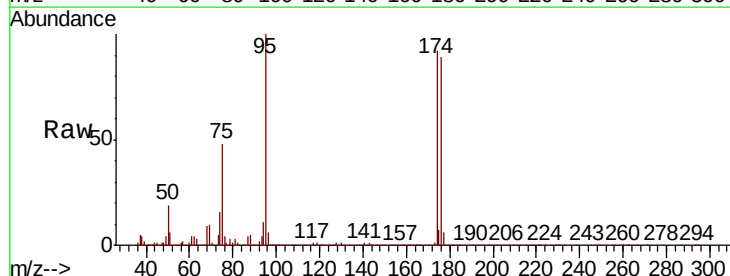
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D2-20191210

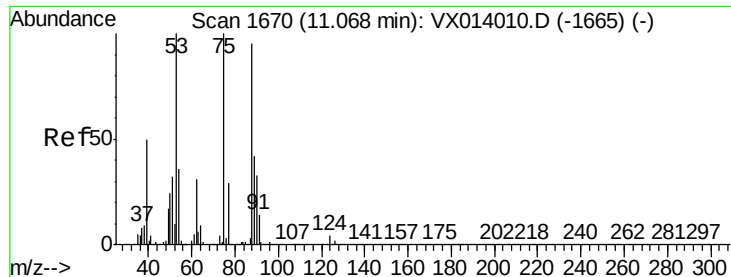
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	38.3	114.9
150	157.1	0.0	345.4



#76
 1,2,3-Trichloropropane
 Concen: 23.065 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX014035.D
 Acq: 16 Dec 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.3	57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.101 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014035.D

Acq: 16 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE135D2-20191210

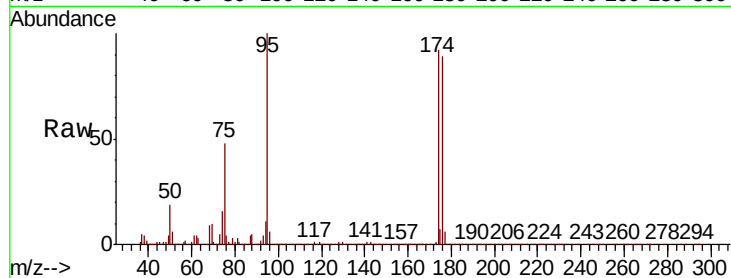
Tot Ion: 75 Resp: 169556

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.3 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

