

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011020\
 Data File : VX014564.D
 Acq On : 11 Jan 2020 02:49
 Operator : JC/SP
 Sample : PB125993ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#10

Quant Time: Jan 11 05:21:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	493161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	771877	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	709243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	324676	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	277756	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	5.49	113	231655	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	8.71	98	936533	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.13	95	316405	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

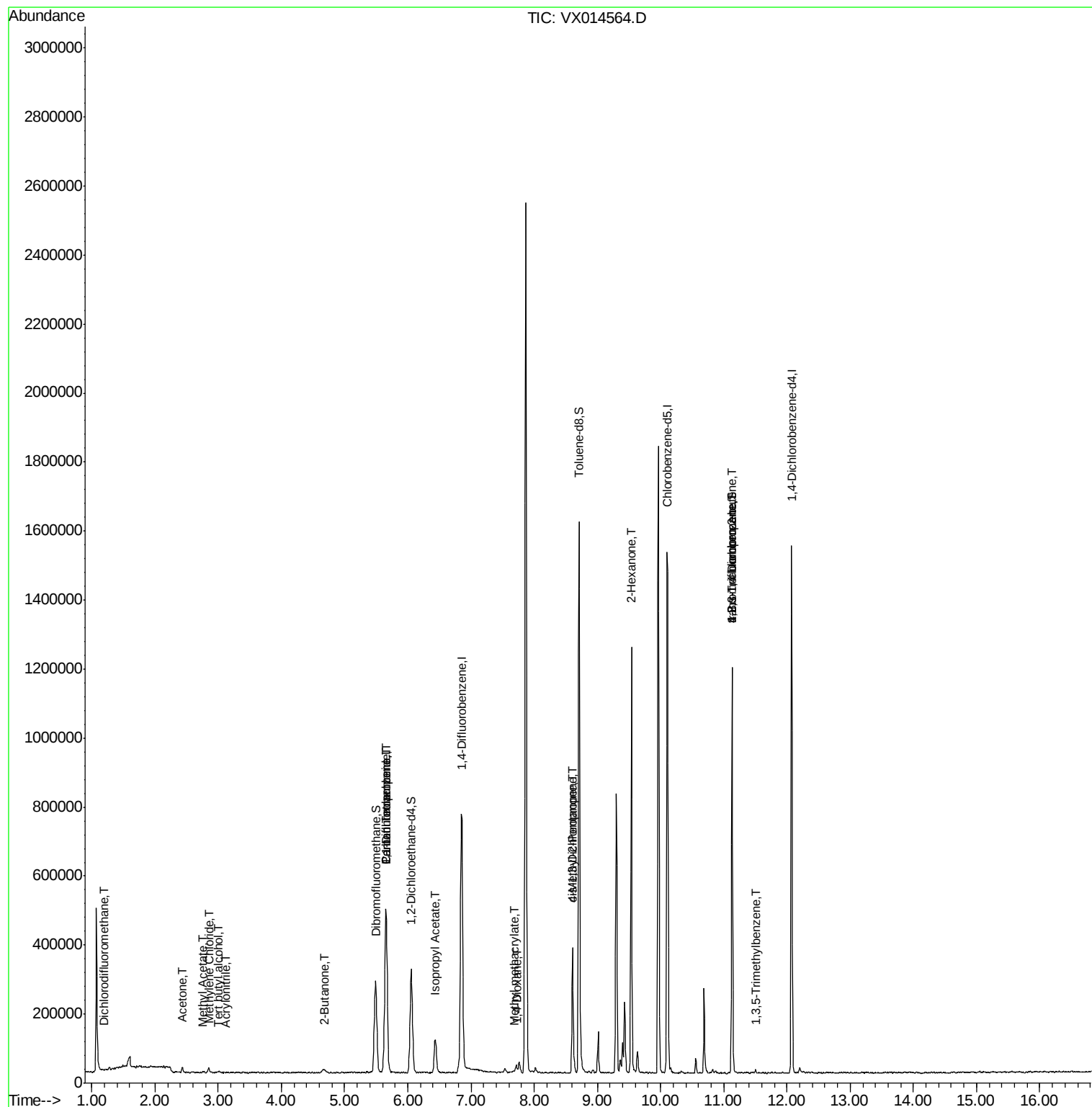
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	312	0.303	ug/l #	57
6) Chloroethane	1.70	64	904	Below Cal	#	61
11) Tert butyl alcohol	3.01	59	2878	2.504	ug/l #	93
15) Acrylonitrile	3.12	53	717	0.258	ug/l #	64
16) Acetone	2.43	43	19208	2.827	ug/l	98
18) Methyl Acetate	2.76	43	5639	0.713	ug/l	100
20) Methylene Chloride	2.86	84	6878	1.242	ug/l #	74
25) 2-Butanone	4.67	43	3764	0.915	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	33108	4.561	ug/l #	51
38) Carbon Tetrachloride	5.65	117	44742	6.698	ug/l #	17
43) Isopropyl Acetate	6.43	43	132124	10.373	ug/l	98
48) Methyl methacrylate	7.67	41	7152	1.172	ug/l #	18
49) 1,4-Dioxane	7.73	88	302	2.336	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	130953	16.872	ug/l #	49
54) cis-1,3-Dichloropropene	8.61	75	59996	6.839	ug/l #	57
59) 2-Hexanone	9.54	43	142137	23.145	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	154481	22.996	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	4479	0.237	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.13	75	154481	60.798	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	810	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	13.64	180	521	Below Cal	#	63
96) 1,2,3-Trichlorobenzene	14.01	180	304	Below Cal	#	40

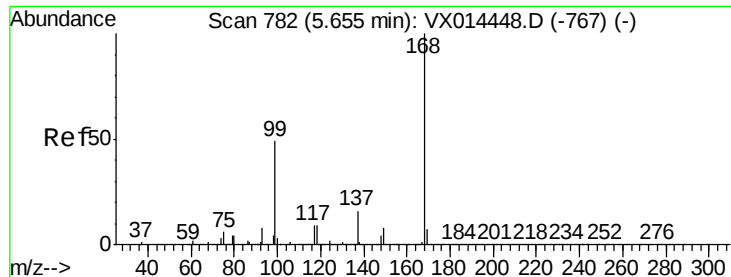
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014564.D
Acq On : 11 Jan 2020 02:49
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jan 11 05:21:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

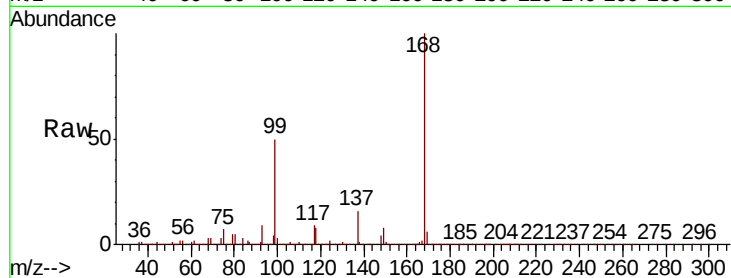
PB125993ZHE#10

Tot Ion:168 Resp: 493161

Ion Ratio Lower Upper

168 100

99 49.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

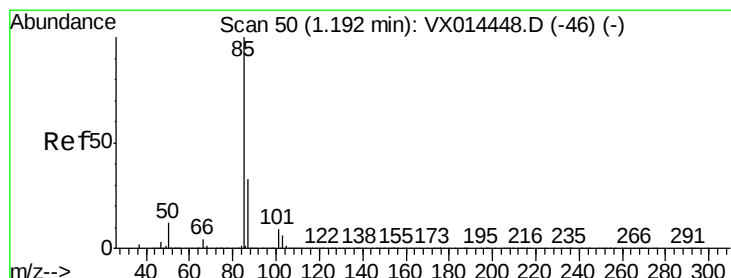
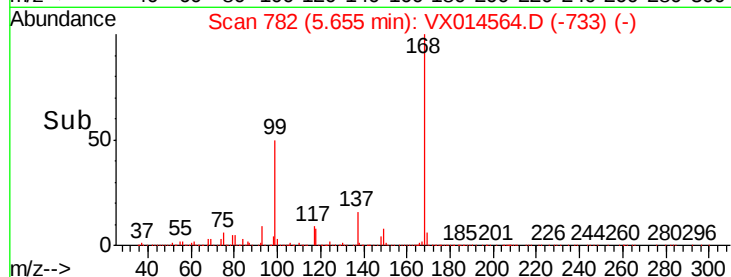
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.303 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014564.D

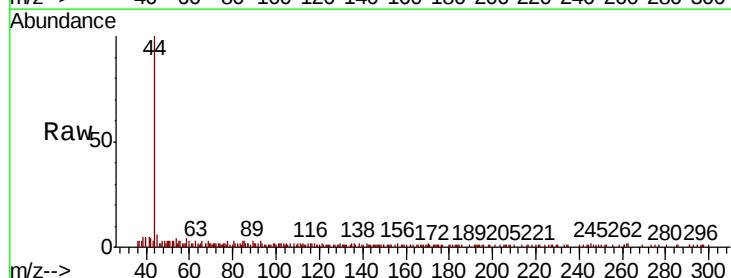
Acq: 11 Jan 2020 02:49

Tgt Ion: 85 Resp: 312

Ion Ratio Lower Upper

85 100

87 57.3 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

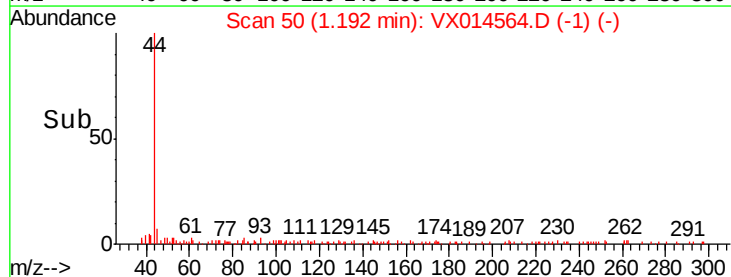
300

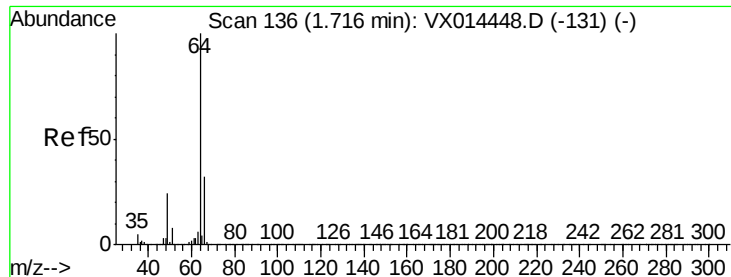
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

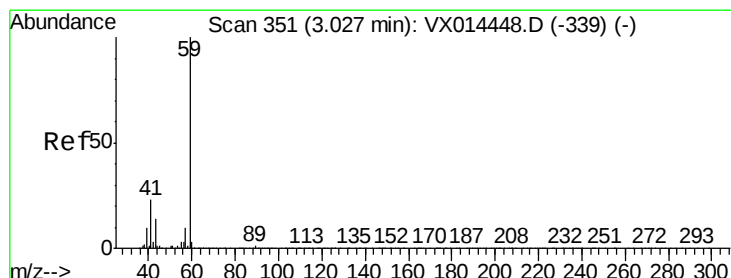
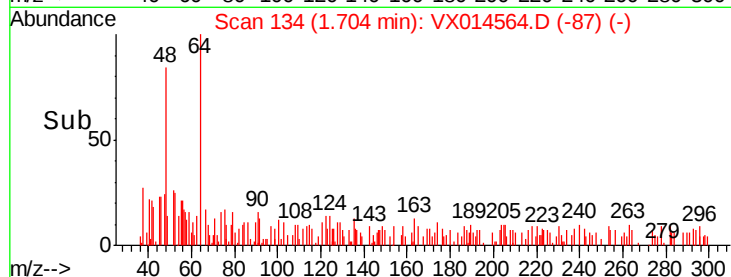
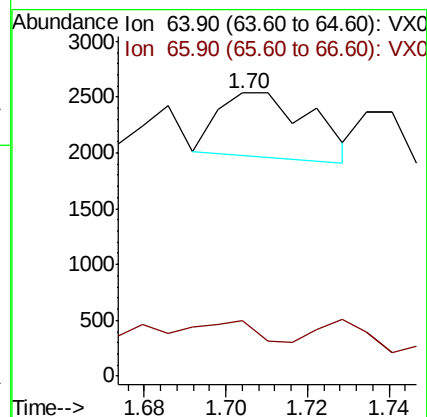
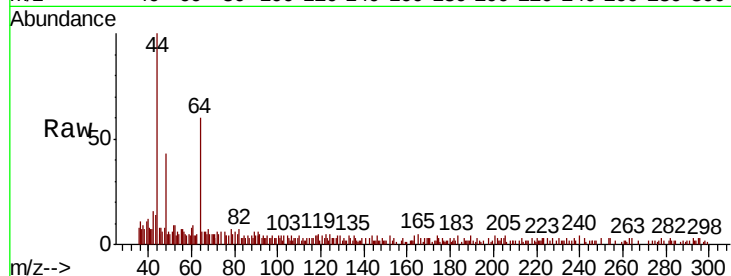
PB125993ZHE#10

Tot Ion: 64 Resp: 904

Ion Ratio Lower Upper

64 100

66 10.1 25.3 37.9#



#11

Tert butyl alcohol

Concen: 2.504 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014564.D

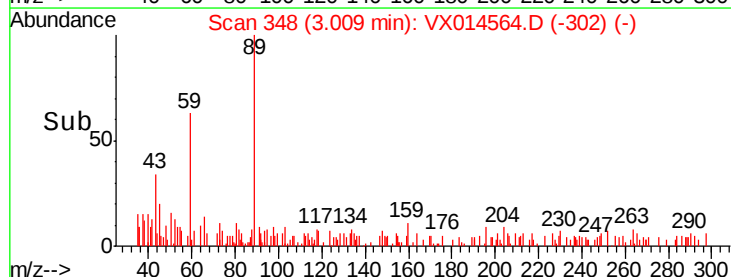
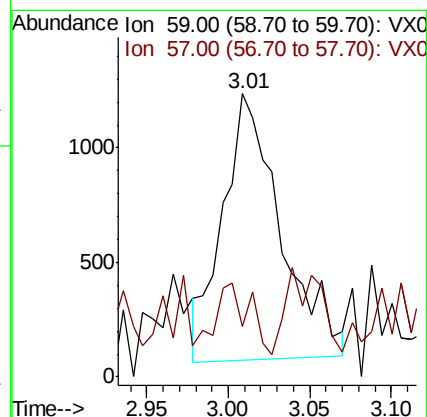
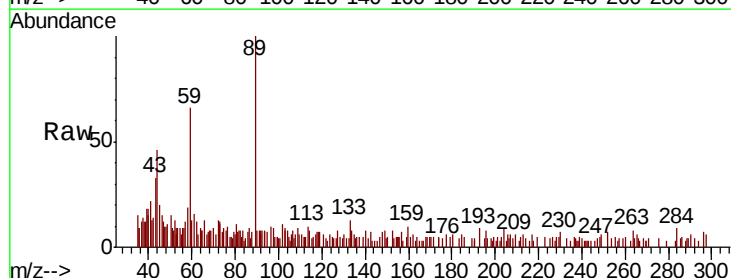
Acq: 11 Jan 2020 02:49

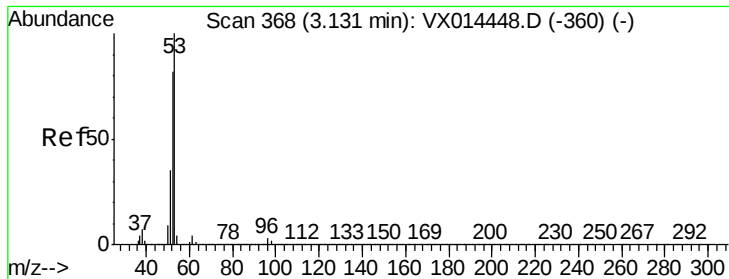
Tgt Ion: 59 Resp: 2878

Ion Ratio Lower Upper

59 100

57 13.2 8.5 12.7#





#15

Acrylonitrile

Concen: 0.258 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.01 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#10

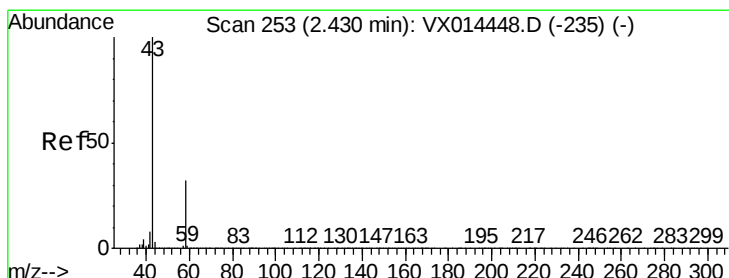
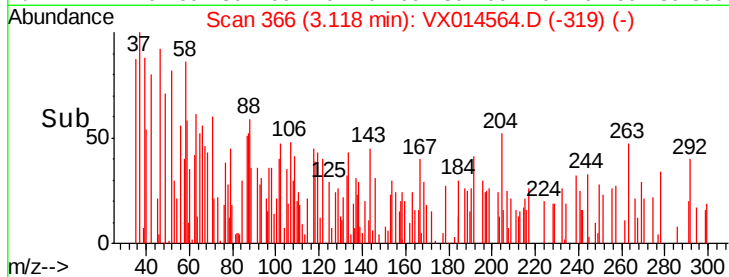
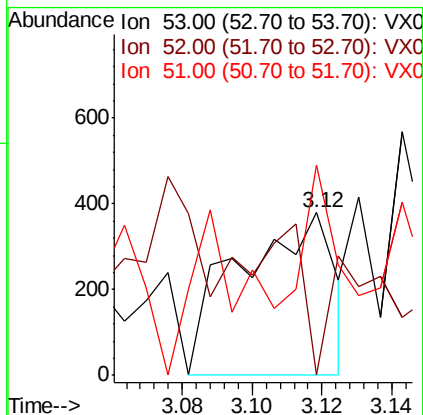
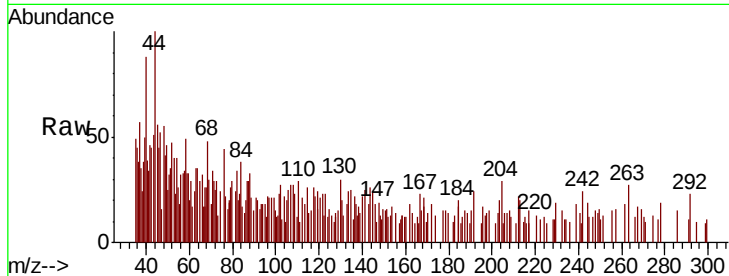
Tot Ion: 53 Resp: 717

Ion Ratio Lower Upper

53 100

52 43.5 67.0 100.4#

51 26.5 28.5 42.7#



#16

Acetone

Concen: 2.827 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014564.D

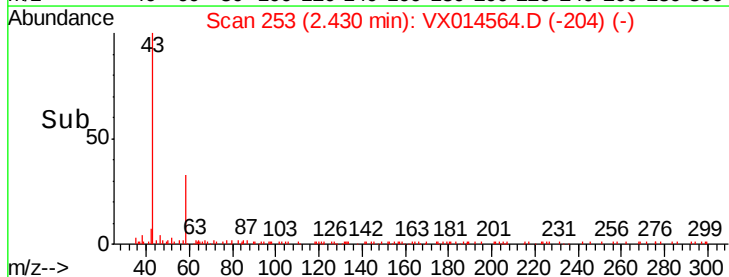
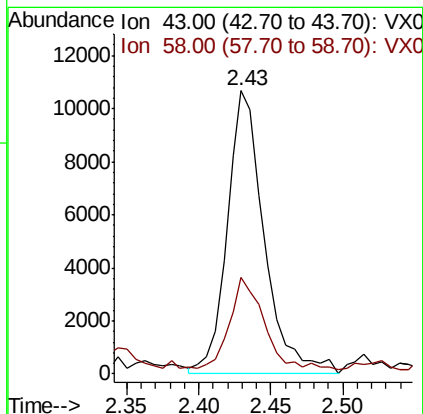
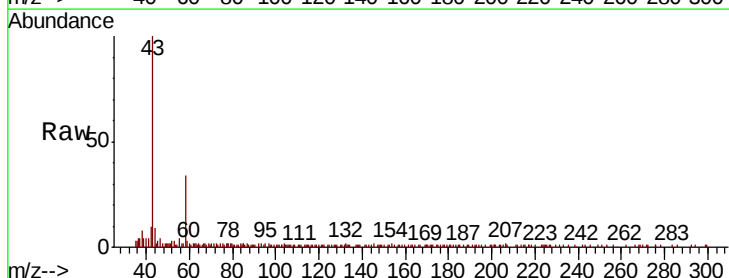
Acq: 11 Jan 2020 02:49

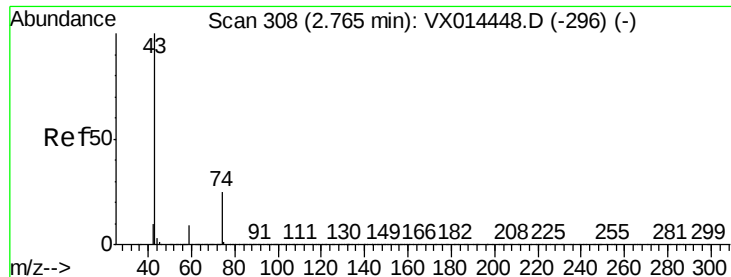
Tgt Ion: 43 Resp: 19208

Ion Ratio Lower Upper

43 100

58 32.6 25.4 38.0

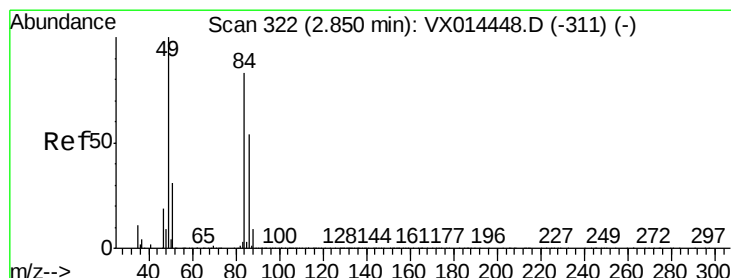
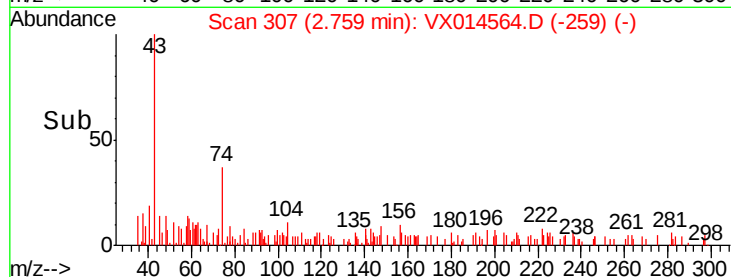
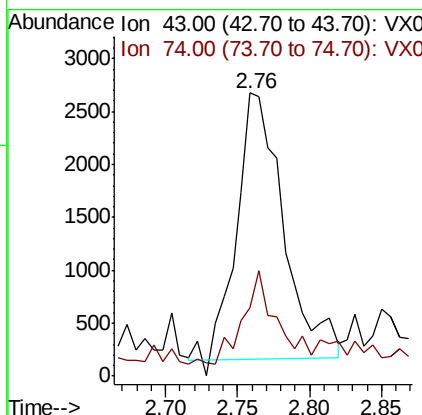
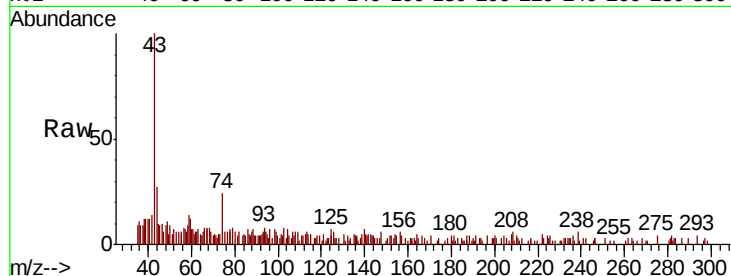




#18
Methyl Acetate
Concen: 0.713 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

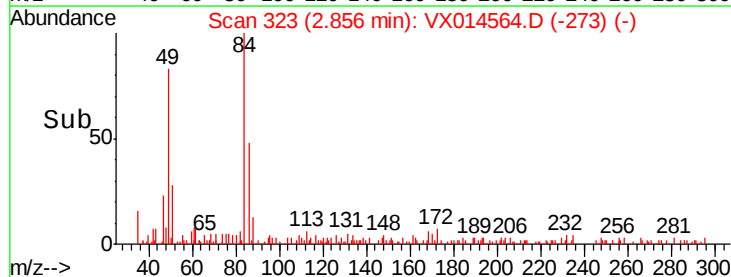
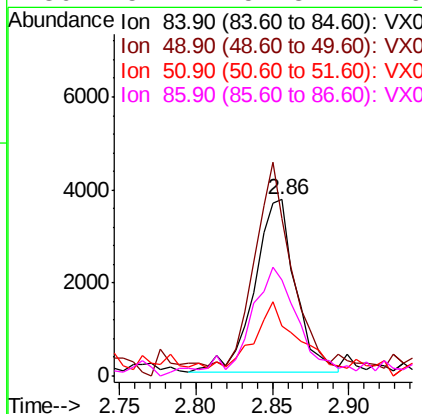
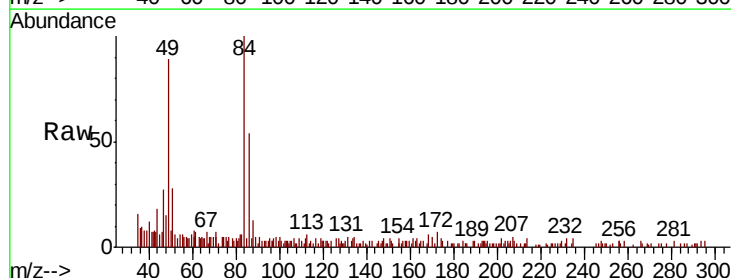
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#10

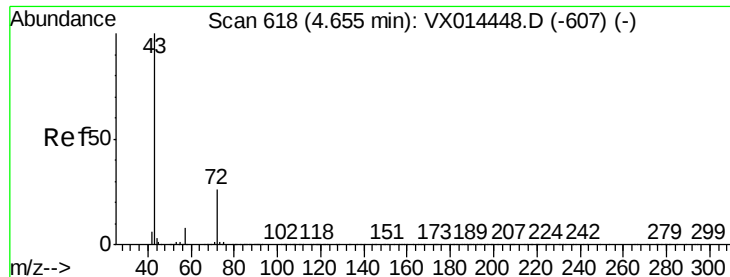
Tot Ion: 43 Resp: 5639
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2



#20
Methylene Chloride
Concen: 1.242 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

Tgt Ion: 84 Resp: 6878
Ion Ratio Lower Upper
84 100
49 83.9 95.8 143.8#
51 23.7 30.2 45.4#
86 51.2 51.8 77.6#





#25

2-Butanone

Concen: 0.915 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

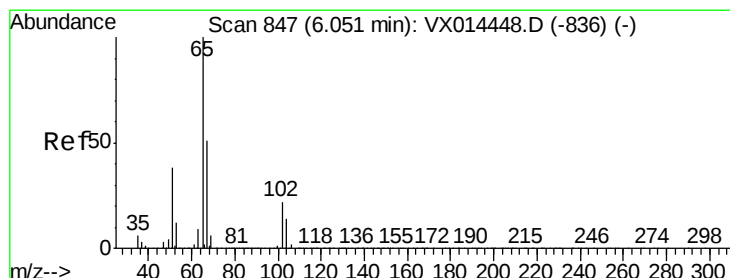
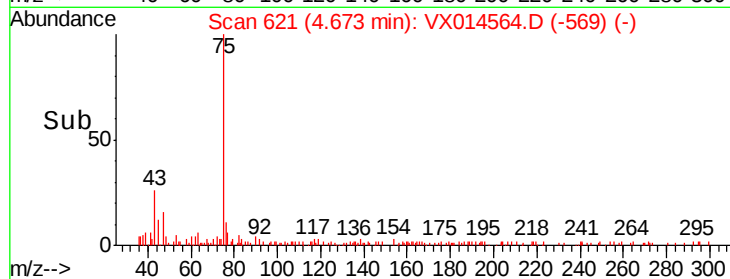
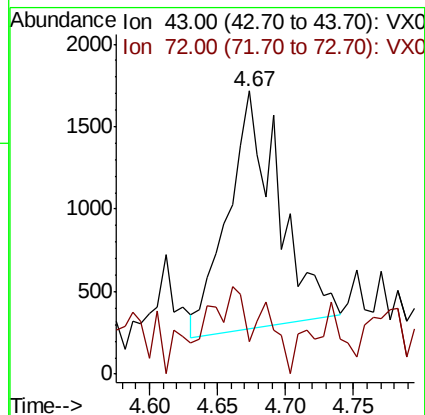
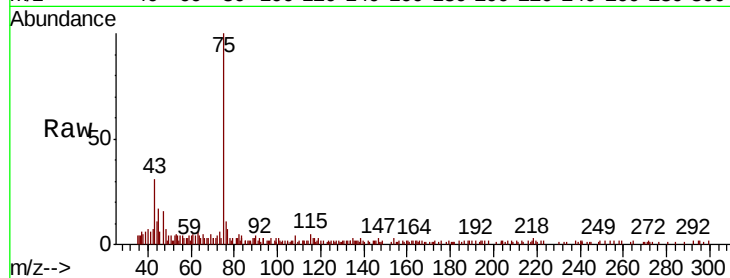
PB125993ZHE#10

Tot Ion: 43 Resp: 3764

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#33

1,2-Dichloroethane-d4

Concen: 50.452 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014564.D

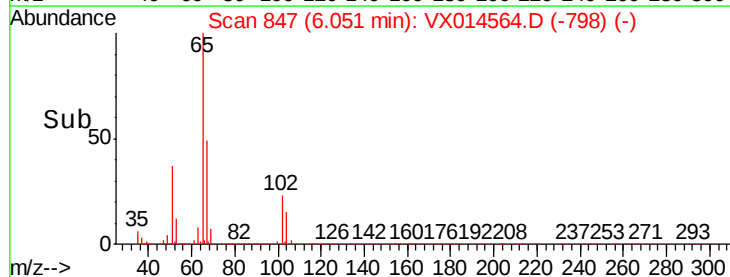
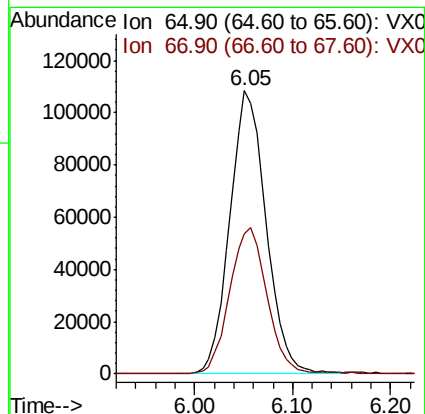
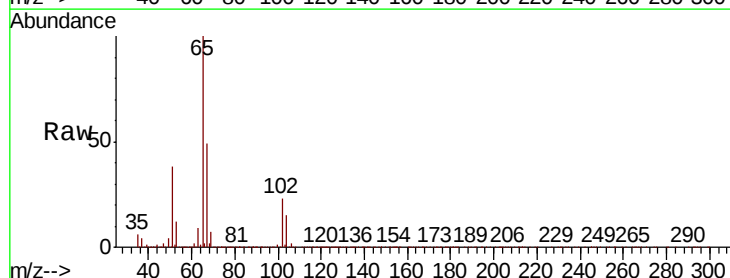
Acq: 11 Jan 2020 02:49

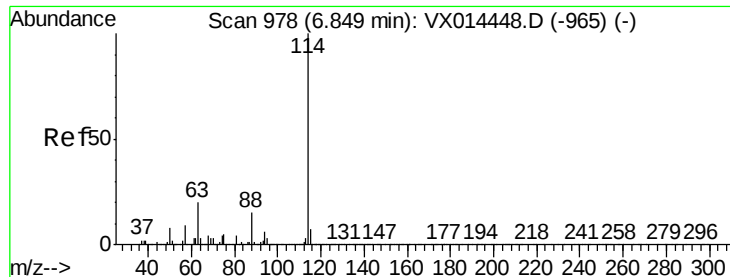
Tgt Ion: 65 Resp: 277756

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#10

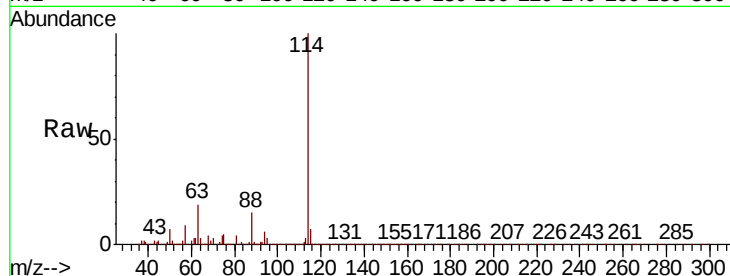
Tot Ion:114 Resp: 771877

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

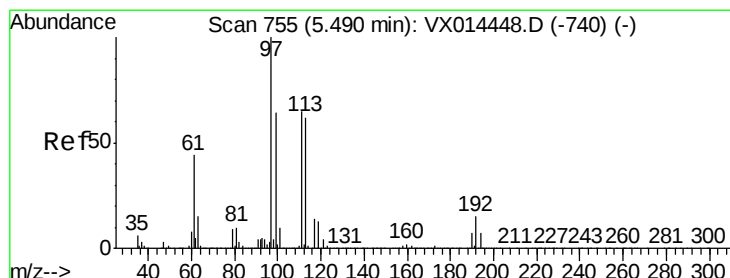
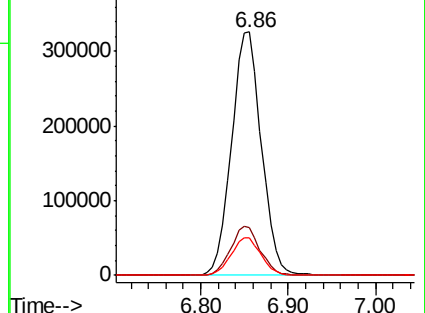
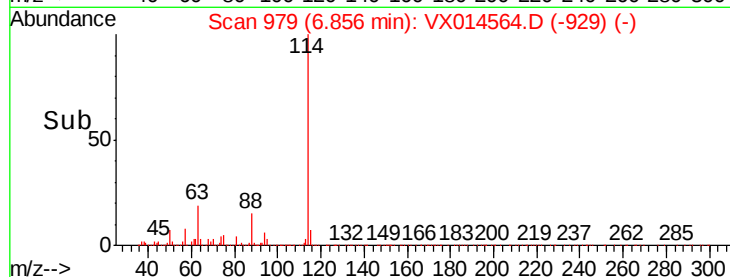
88 15.2 0.0 30.8



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: 49.578 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

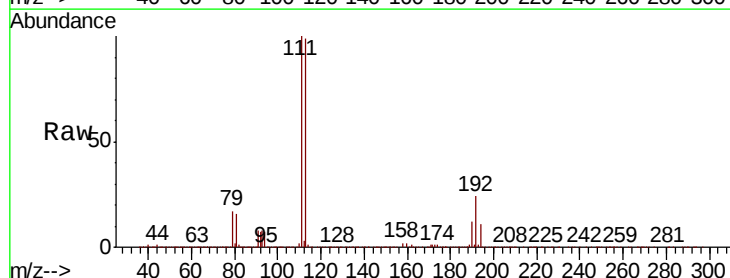
Tgt Ion:113 Resp: 231655

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

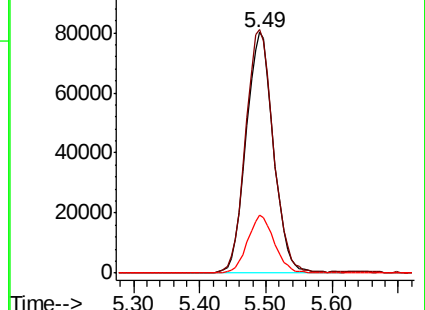
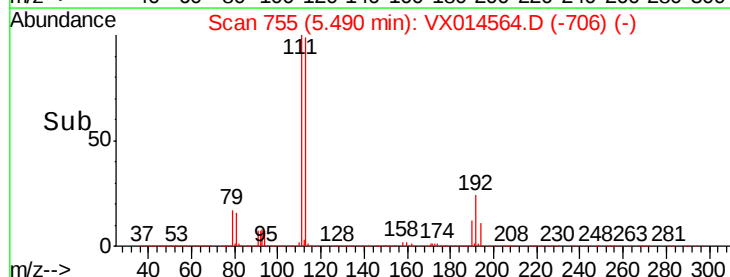
192 23.5 19.2 28.8

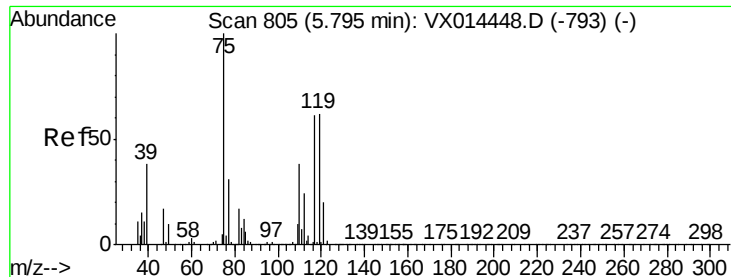


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

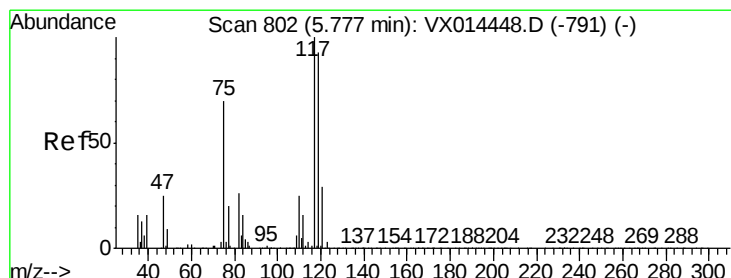
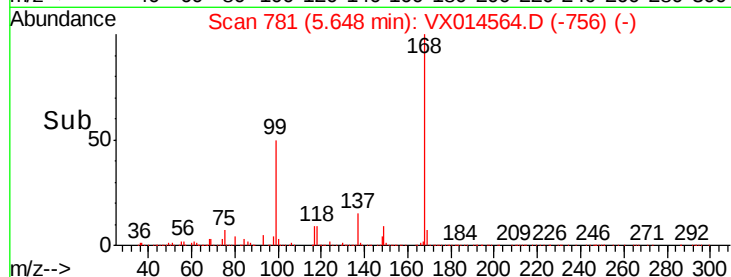
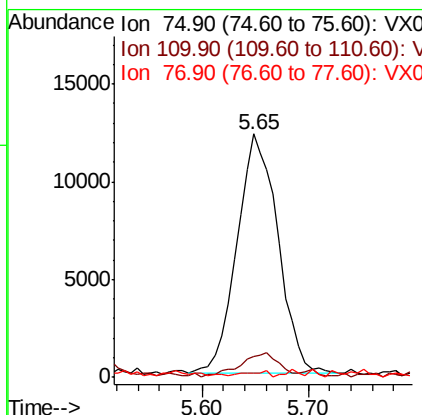
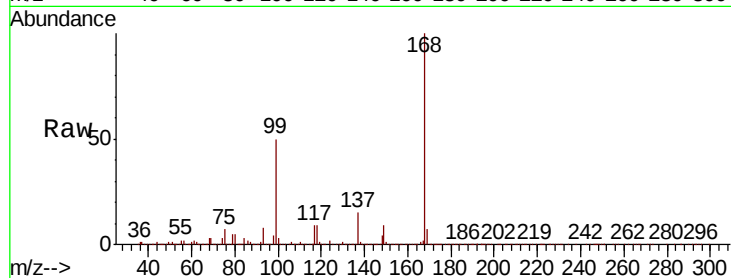




#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014564.D
 Acq: 11 Jan 2020 02:49

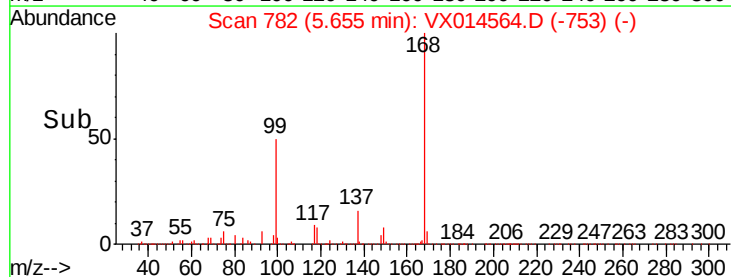
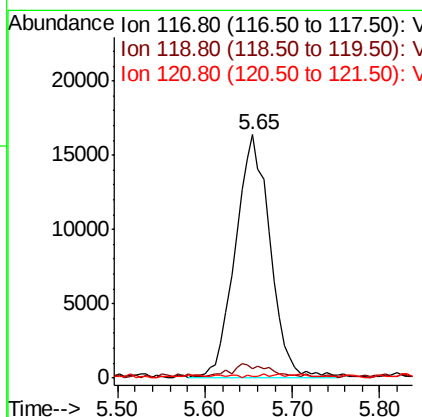
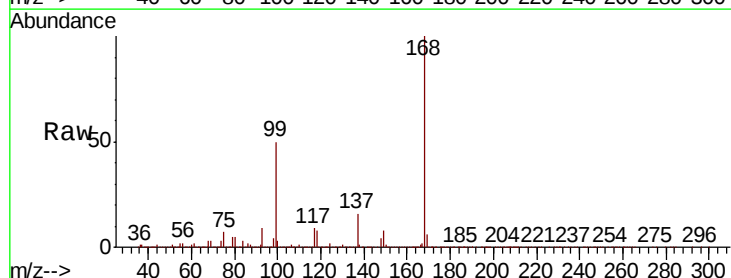
Instrument :
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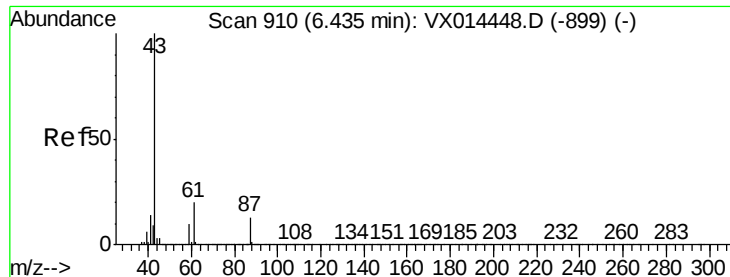
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.6	55.8#
77	1.6	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.698 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014564.D
 Acq: 11 Jan 2020 02:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	73.8	110.8#
121	0.0	23.4	35.0#



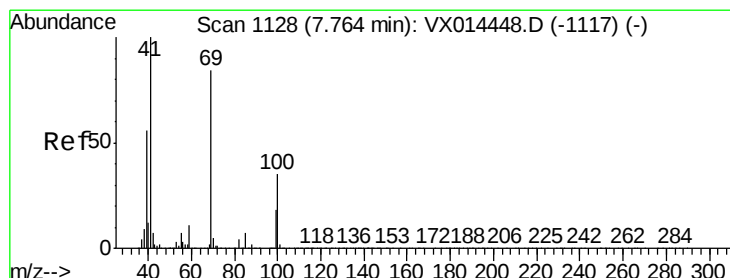
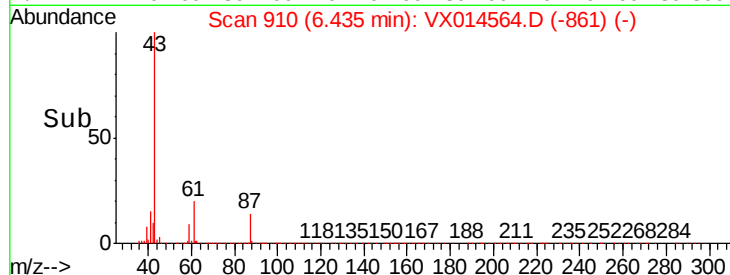
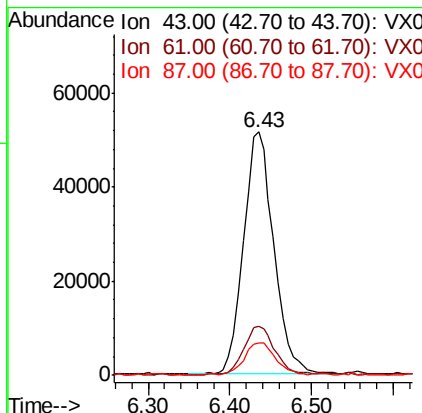
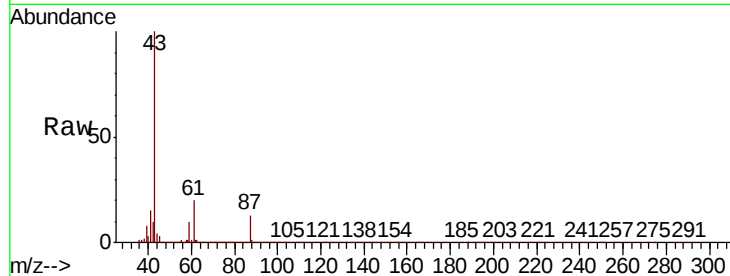


#43

Isopropyl Acetate
 Concen: 10.373 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014564.D
 Acq: 11 Jan 2020 02:49

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#10

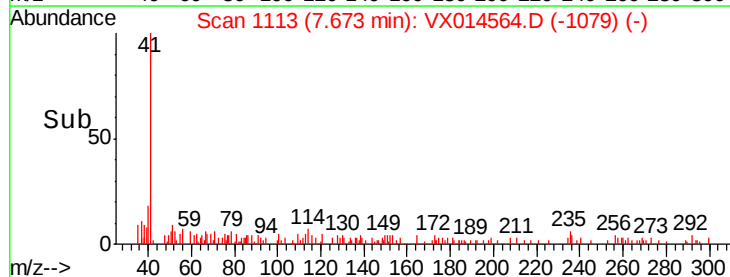
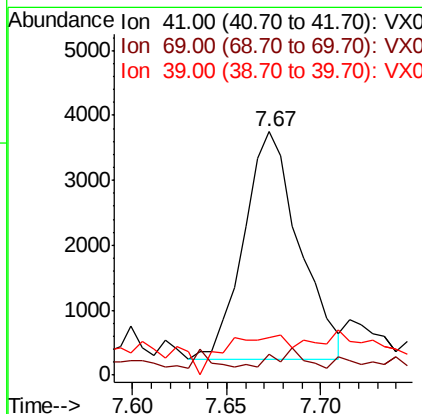
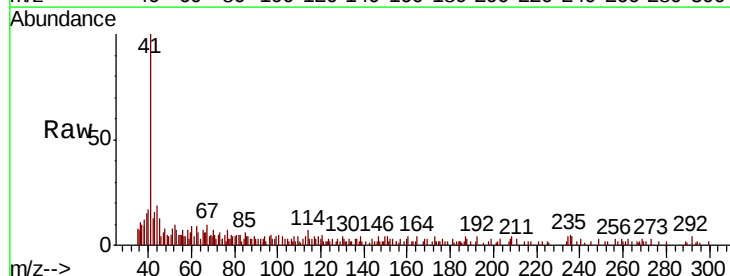
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.6	24.8
87	14.7	10.8	16.2

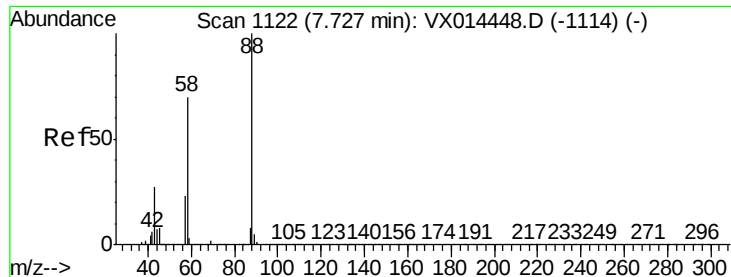


#48

Methyl methacrylate
 Concen: 1.172 ug/l
 RT: 7.67 min Scan# 1113
 Delta R.T. -0.09 min
 Lab File: VX014564.D
 Acq: 11 Jan 2020 02:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	4.6	65.5	98.3#
39	0.0	43.9	65.9#





#49

1,4-Dioxane

Concen: 2.336 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB125993ZHE#10

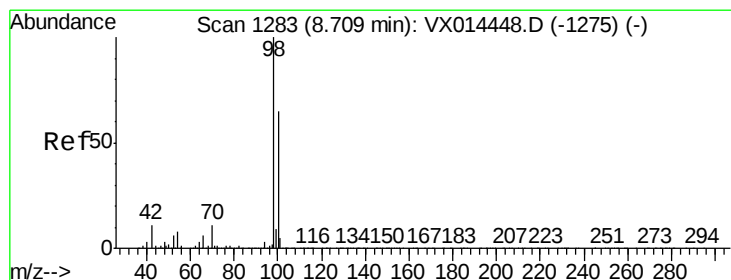
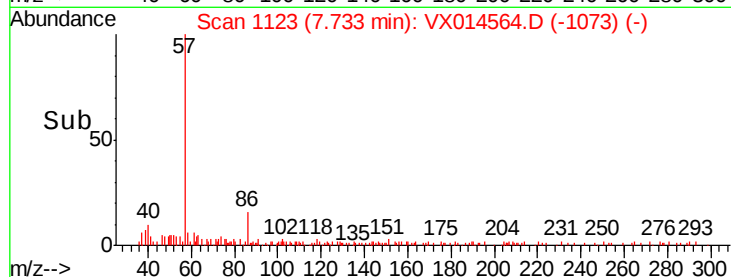
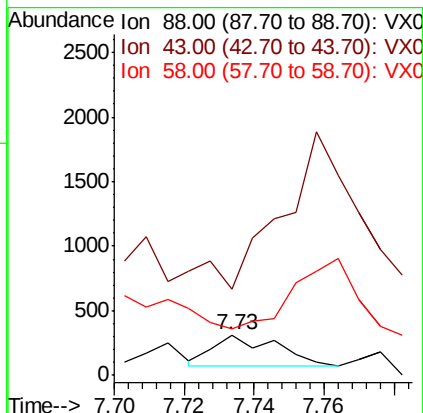
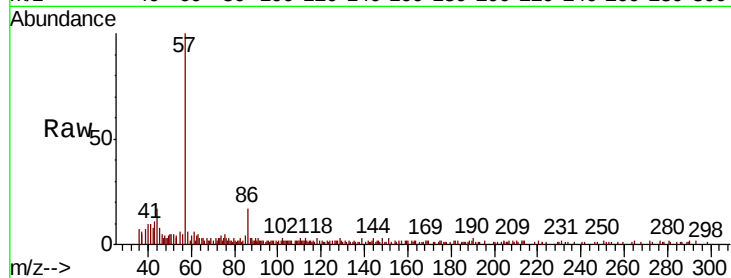
Tot Ion: 88 Resp: 302

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 51.650 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014564.D

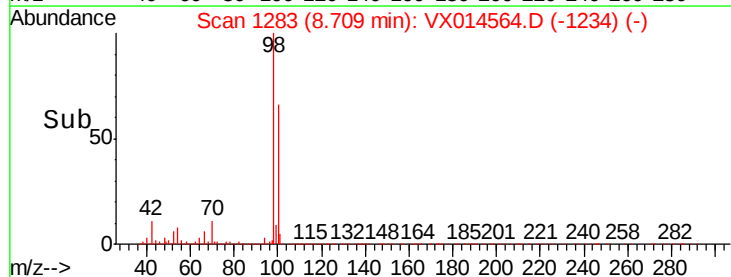
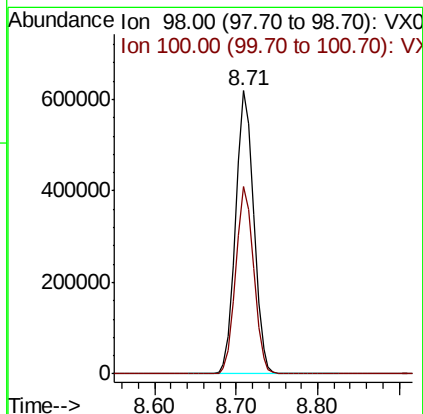
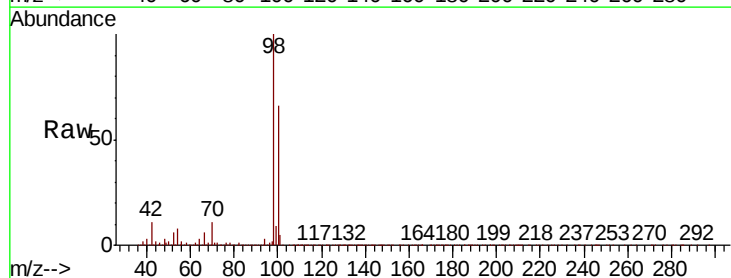
Acq: 11 Jan 2020 02:49

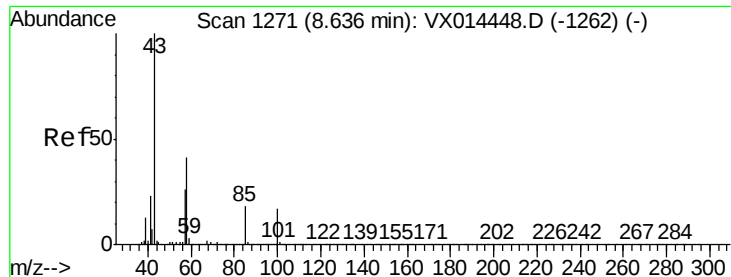
Tgt Ion: 98 Resp: 936533

Ion Ratio Lower Upper

98 100

100 65.6 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 16.872 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

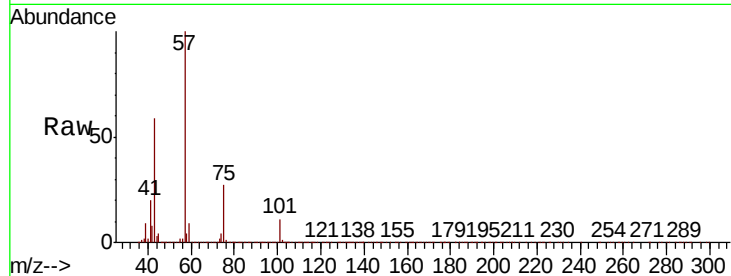
PB125993ZHE#10

Tot Ion: 43 Resp: 130953

Ion Ratio Lower Upper

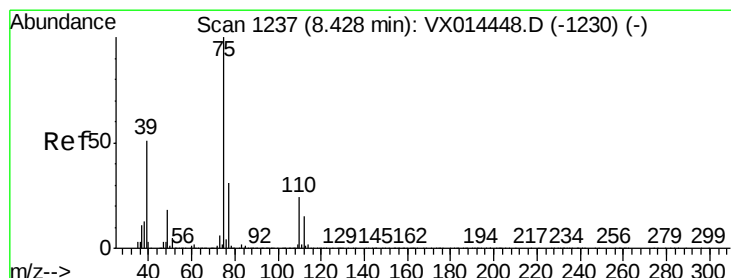
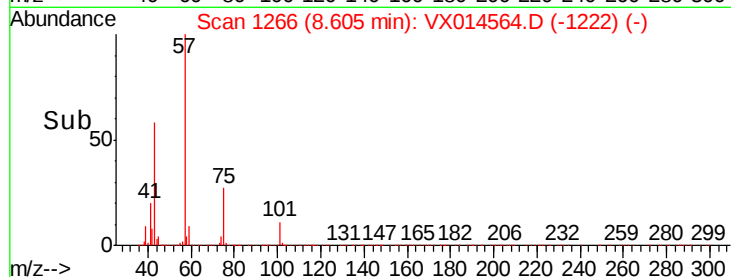
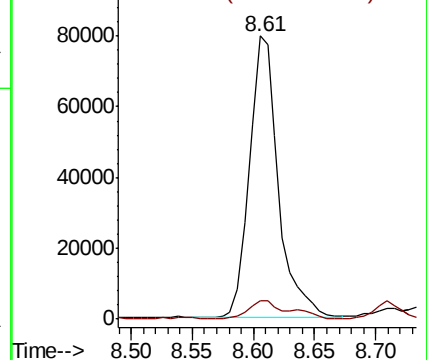
43 100

58 8.6 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 6.839 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

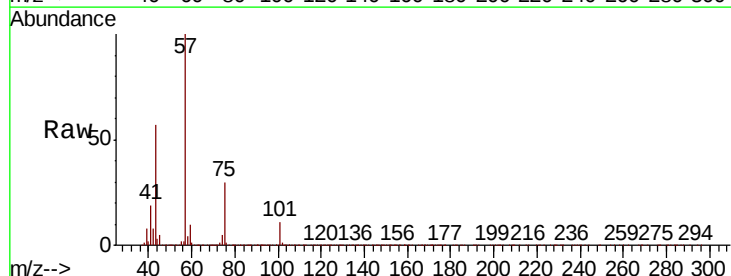
Tgt Ion: 75 Resp: 59996

Ion Ratio Lower Upper

75 100

77 0.5 25.0 37.4#

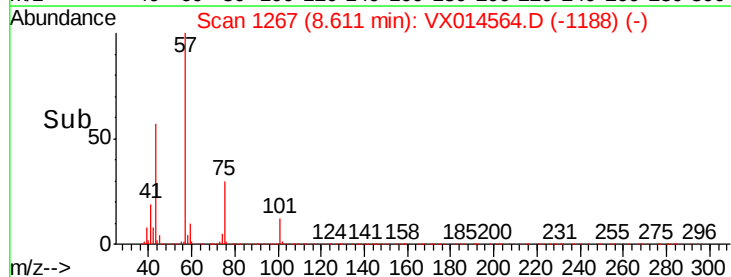
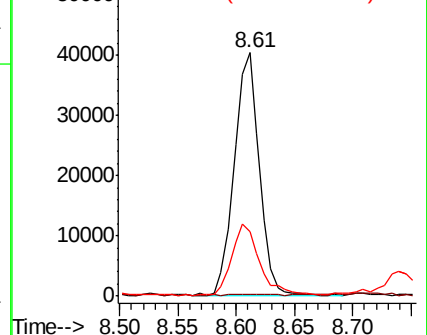
39 26.3 40.7 61.1#

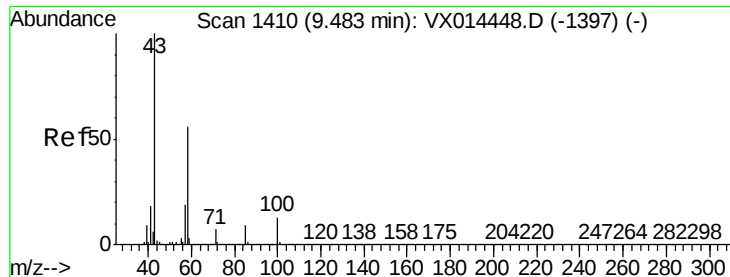


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

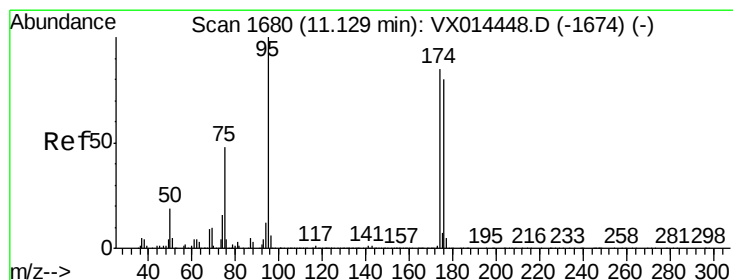
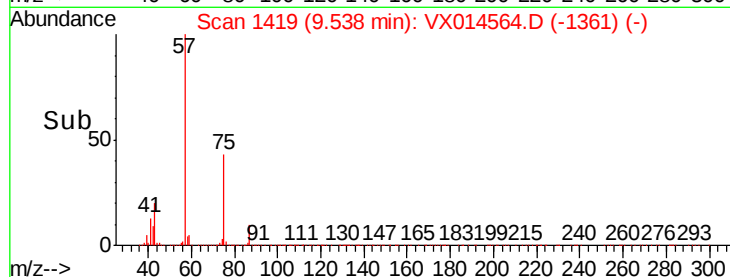
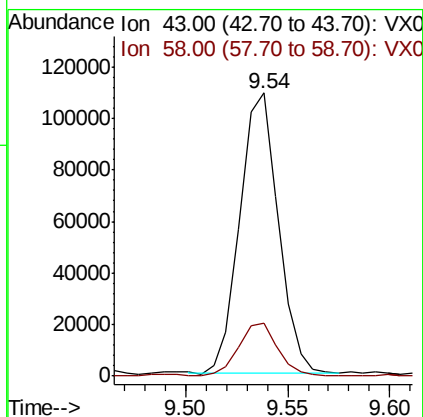
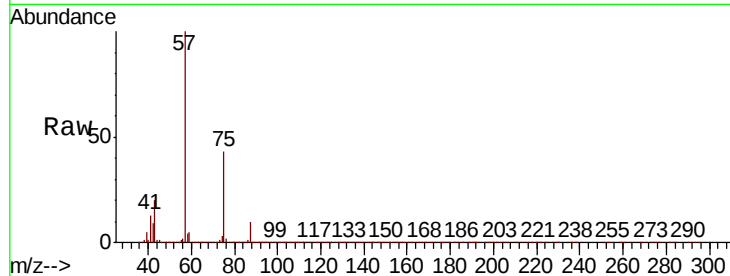




#59
2-Hexanone
Concen: 23.145 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

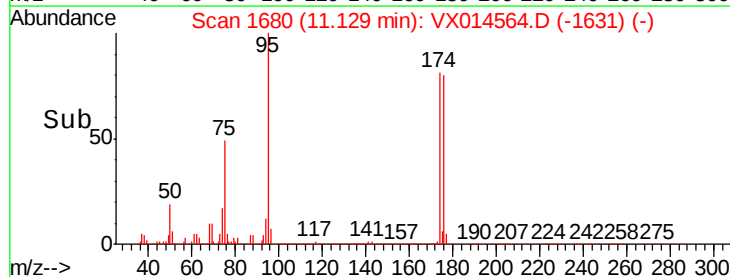
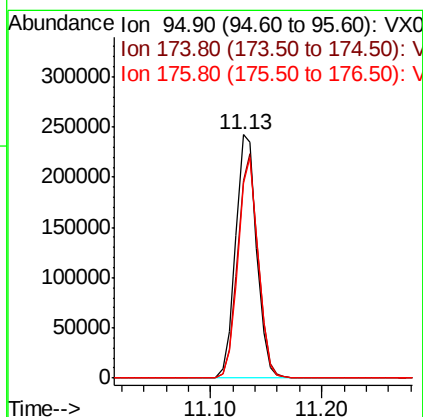
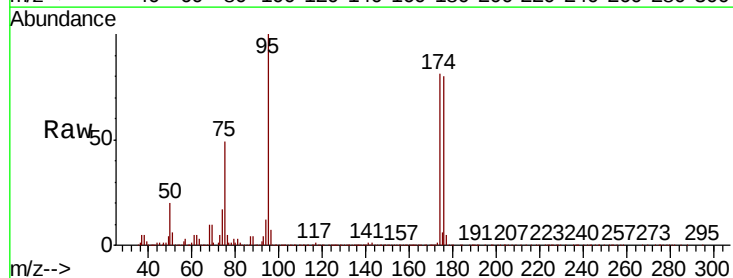
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#10

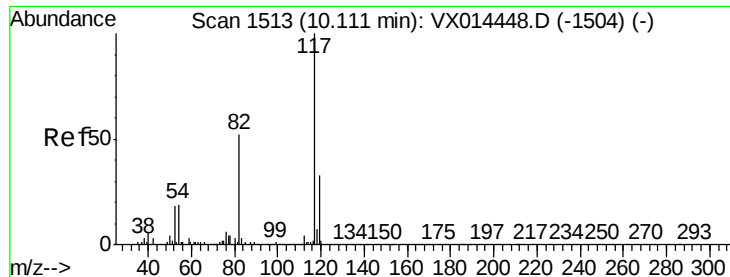
Tot Ion: 43 Resp: 142137
Ion Ratio Lower Upper
43 100
58 19.1 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 47.532 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

Tgt Ion: 95 Resp: 316405
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.8
176 87.2 0.0 172.8

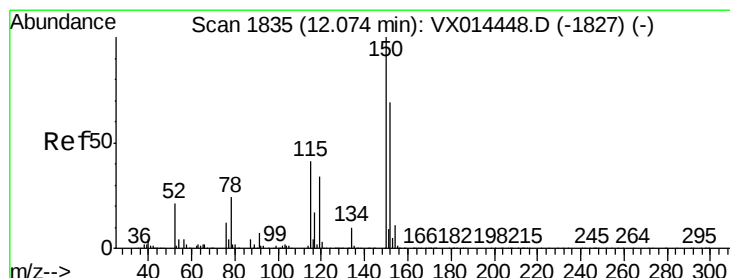
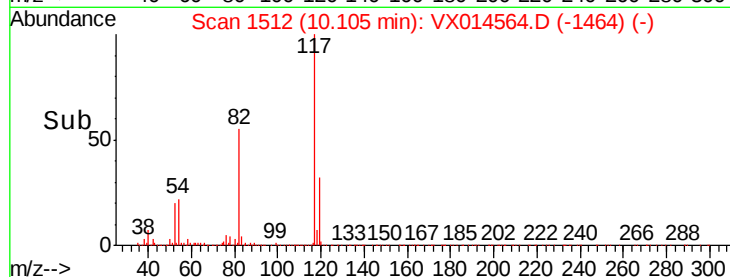
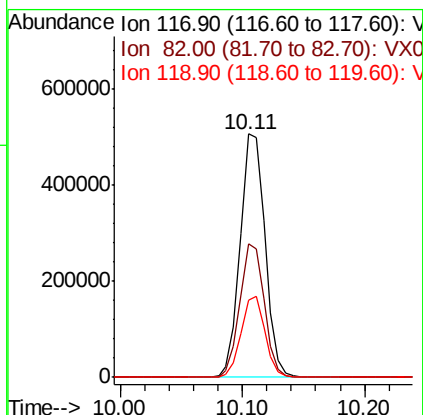
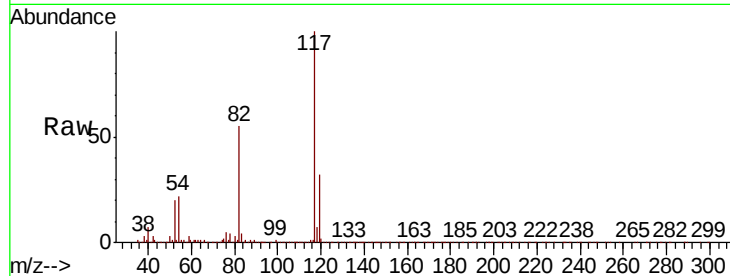




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

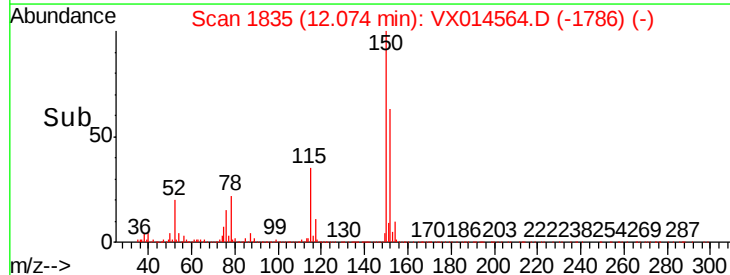
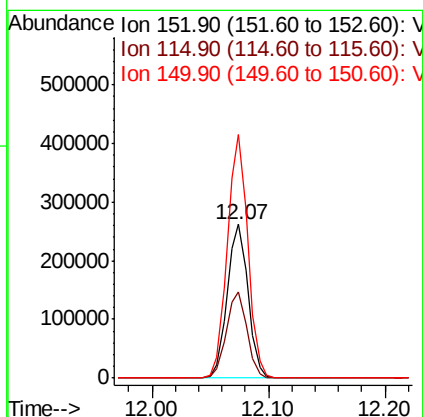
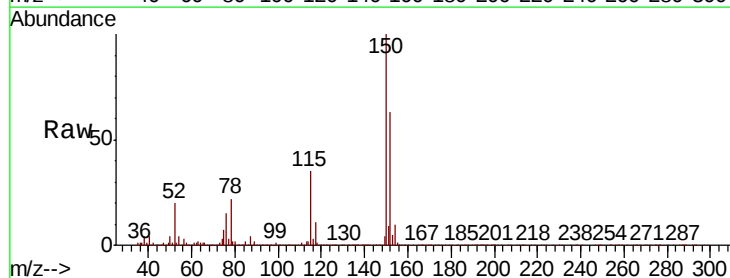
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#10

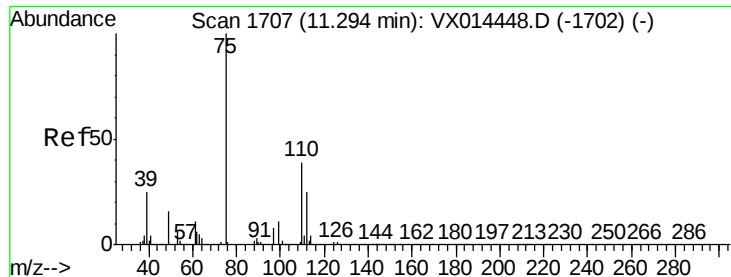
Tot Ion:117 Resp: 709243
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.6
119 31.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

Tgt Ion:152 Resp: 324676
Ion Ratio Lower Upper
152 100
115 55.3 39.5 118.3
150 156.0 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 22.996 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014564.D

Acq: 11 Jan 2020 02:49

Instrument :

MSVOA_X

ClientSampleId :

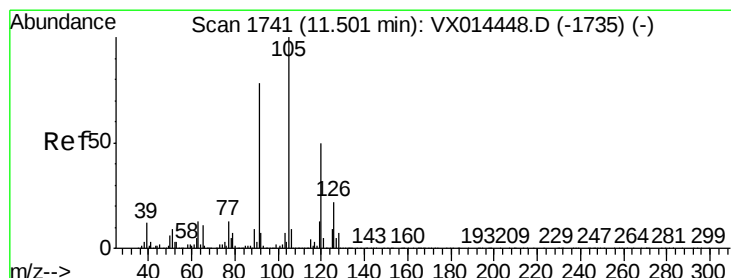
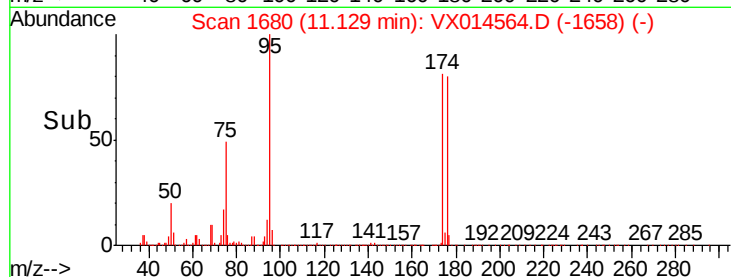
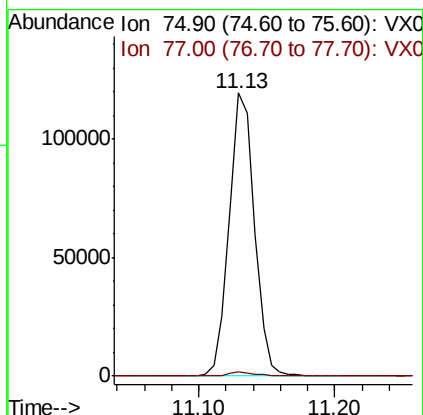
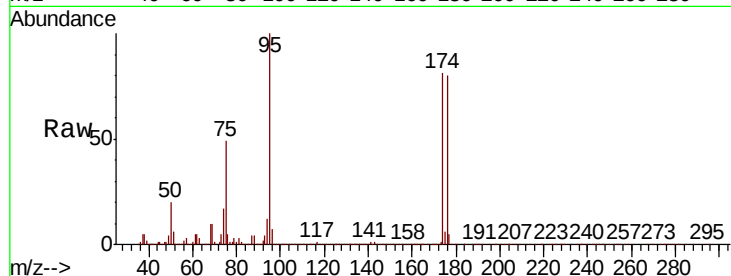
PB125993ZHE#10

Tot Ion: 75 Resp: 154481

Ion Ratio Lower Upper

75 100

77 1.5 21.9 65.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.237 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014564.D

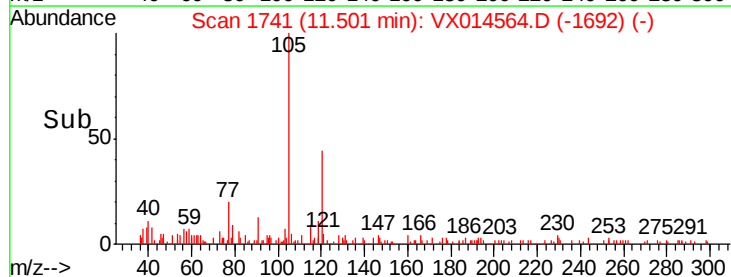
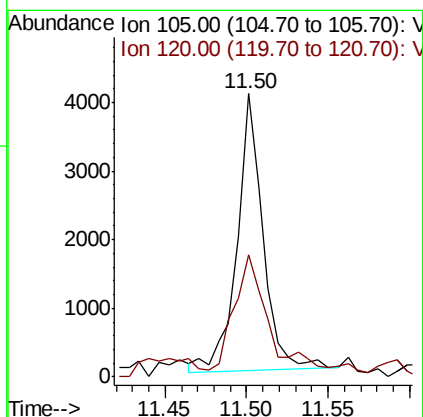
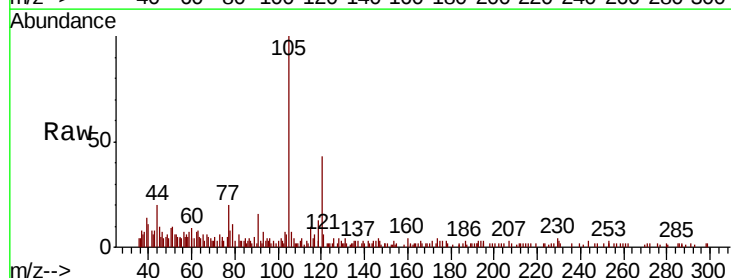
Acq: 11 Jan 2020 02:49

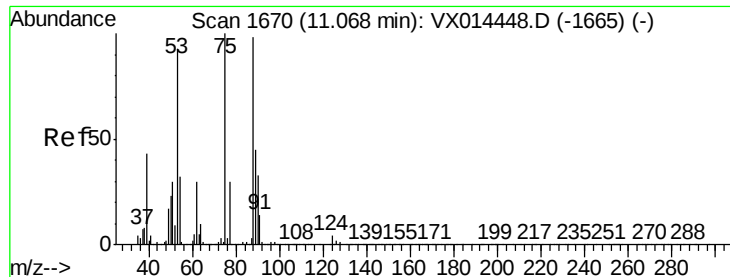
Tgt Ion:105 Resp: 4479

Ion Ratio Lower Upper

105 100

120 54.0 25.2 75.6

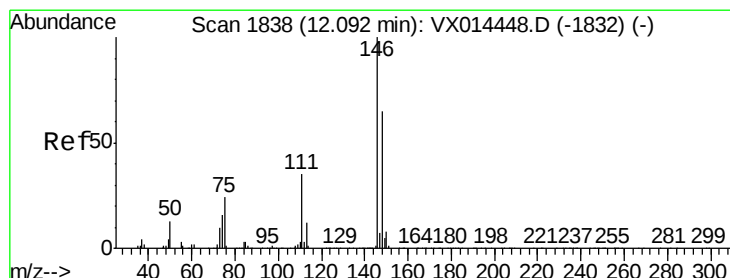
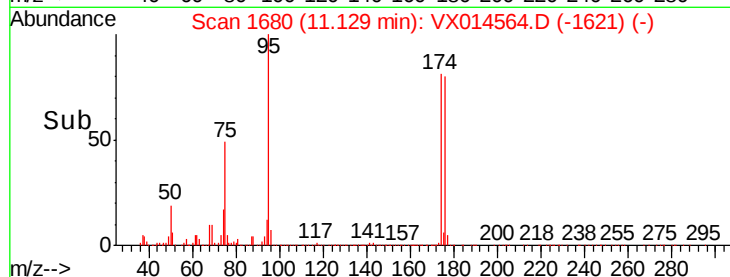
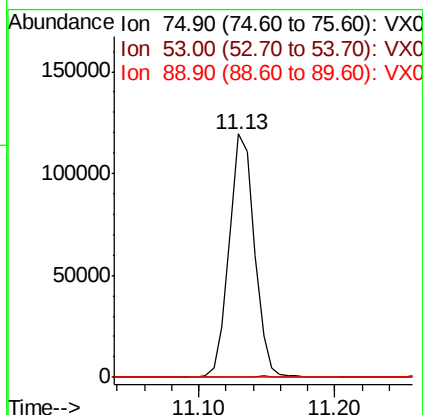
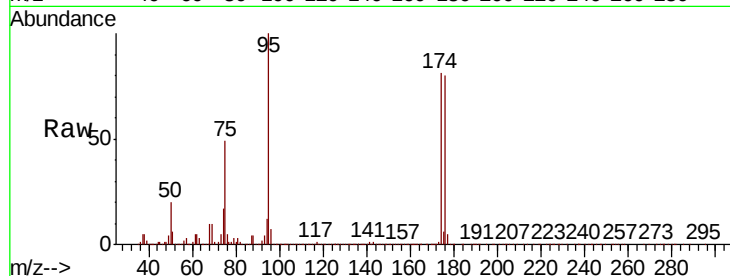




#81
trans-1,4-Dichloro-2-butene
Concen: 60.798 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

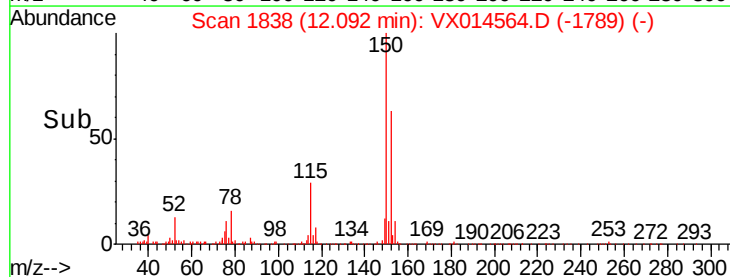
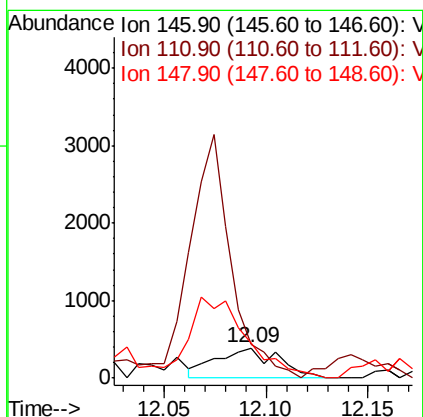
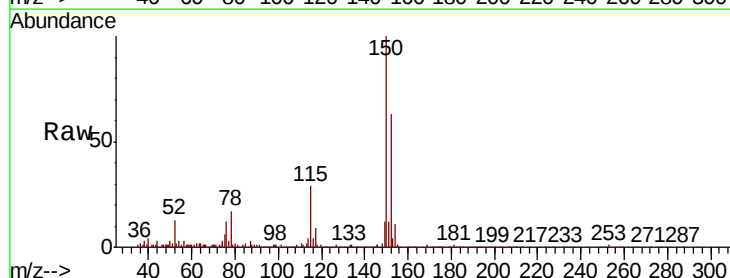
Instrument :
MSVOA_X
ClientSampleId :
PB125993ZHE#10

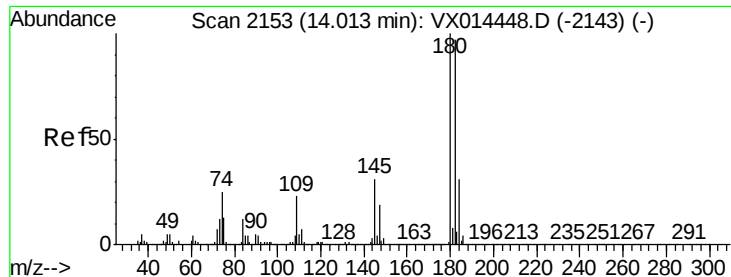
Tot Ion: 75 Resp: 154481
Ion Ratio Lower Upper
75 100
53 0.0 74.8 112.2#
89 0.1 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014564.D
Acq: 11 Jan 2020 02:49

Tgt Ion: 146 Resp: 810
Ion Ratio Lower Upper
146 100
111 0.0 18.1 54.1#
148 0.0 32.1 96.3#

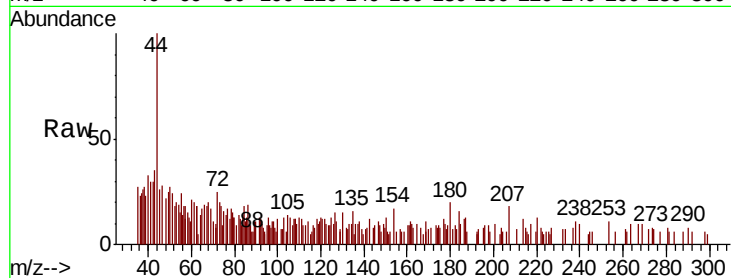




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.01 min Scan# 2152
 Delta R.T. -0.01 min
 Lab File: VX014564.D
 Acq: 11 Jan 2020 02:49

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125993ZHE#10

Tot Ion	Ratio	Lower	Upper
180	100		
182	36.2	47.9	143.6#
145	0.0	14.8	44.3#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

