

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015406.D
 Acq On : 28 Mar 2020 02:02
 Operator : JC/SP
 Sample : PB127861ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127861ZHE#02

Quant Time: Mar 30 01:51:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1110781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1821429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1734548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	921329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	757419	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	5.47	113	578626	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.70	98	2202937	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.12	95	923526	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	

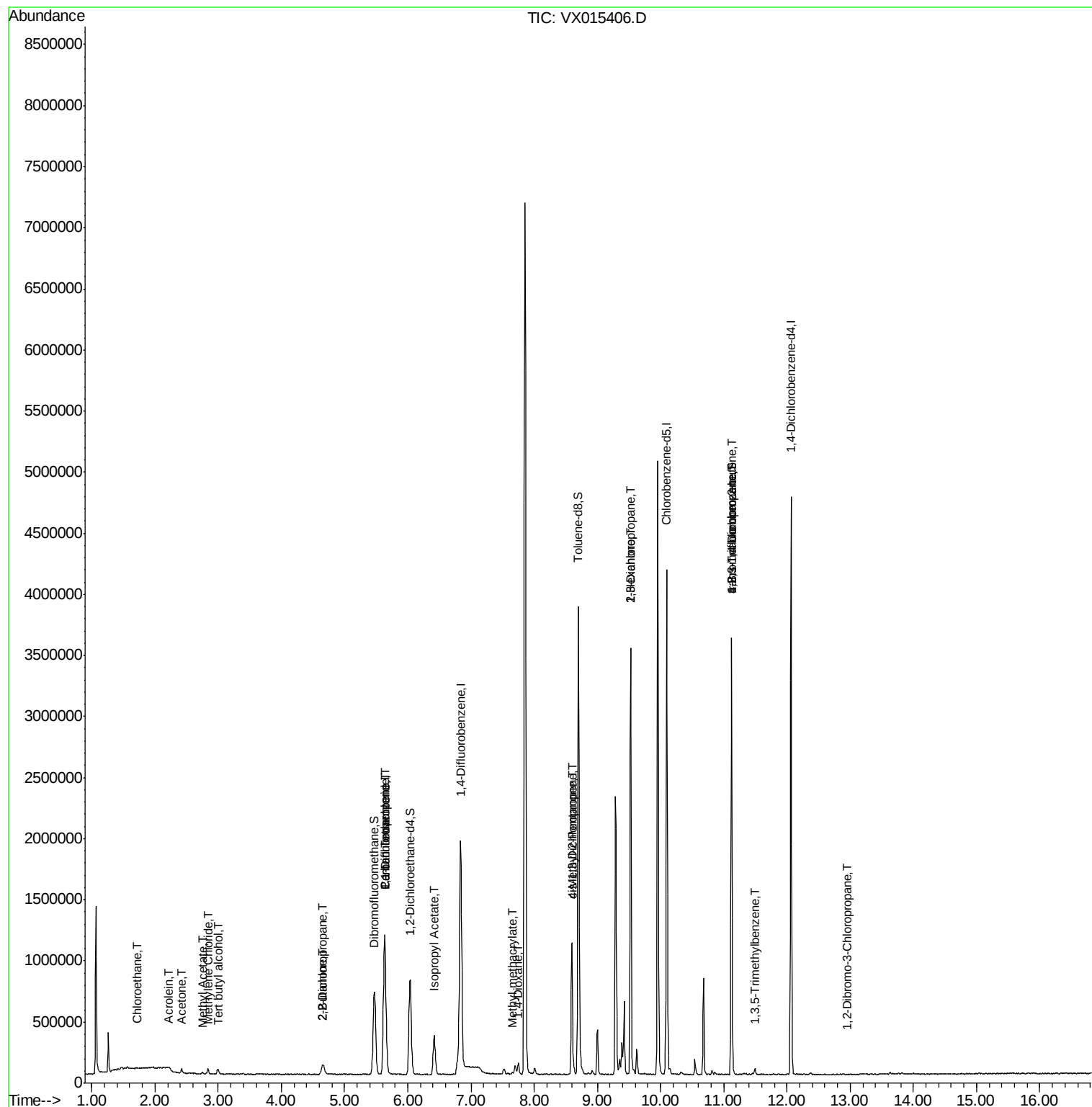
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	298	Below Cal		98
6) Chloroethane	1.72	64	1564	0.220	ug/l #	58
11) Tert butyl alcohol	3.00	59	26606	7.095	ug/l #	79
13) Acrolein	2.21	56	678	0.317	ug/l #	14
16) Acetone	2.42	43	41595	6.180	ug/l	99
18) Methyl Acetate	2.75	43	16625	0.968	ug/l #	84
20) Methylene Chloride	2.84	84	17467	1.389	ug/l	95
25) 2-Butanone	4.65	43	13973	1.291	ug/l #	80
26) 2,2-Dichloropropane	4.66	77	5595	0.298	ug/l	82
36) 1,1-Dichloropropene	5.63	75	86024	5.126	ug/l #	51
38) Carbon Tetrachloride	5.64	117	108206	5.953	ug/l #	13
43) Isopropyl Acetate	6.42	43	441485	11.968	ug/l	99
48) Methyl methacrylate	7.65	41	23802	1.292	ug/l #	19
49) 1,4-Dioxane	7.74	88	742	2.159	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	425753	20.366	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	173694	7.734	ug/l #	55
57) 1,3-Dichloropropene	9.53	76	29045	1.298	ug/l #	48
59) 2-Hexanone	9.53	43	445039	28.197	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	490146	25.870	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	22438	0.435	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.12	75	490146	62.074	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.96	75	1380	0.236	ug/l #	10

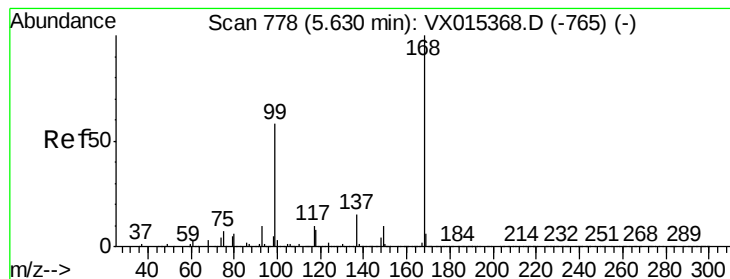
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX015406.D
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Quant Time: Mar 30 01:51:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

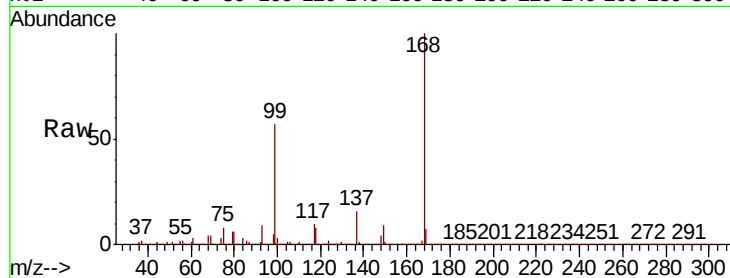
PB127861ZHE#02

Tot Ion:168 Resp: 1110781

Ion Ratio Lower Upper

168 100

99 57.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

200000

100000

0

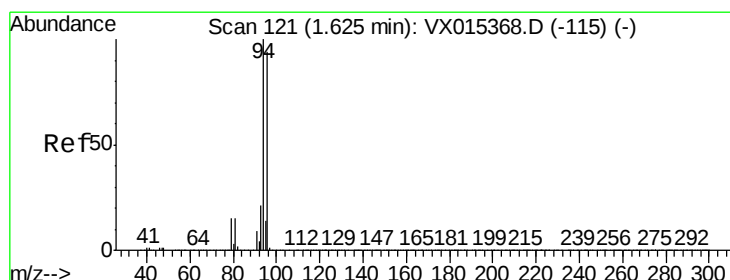
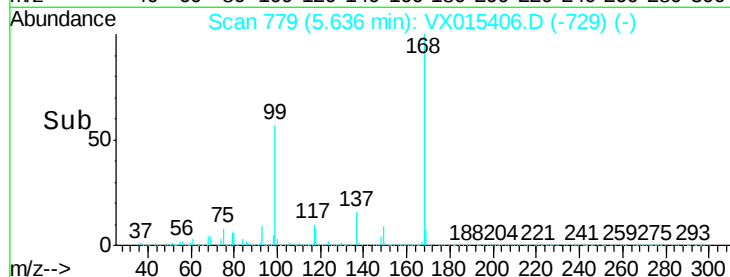
Time-->

5.50

5.60

5.70

5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015406.D

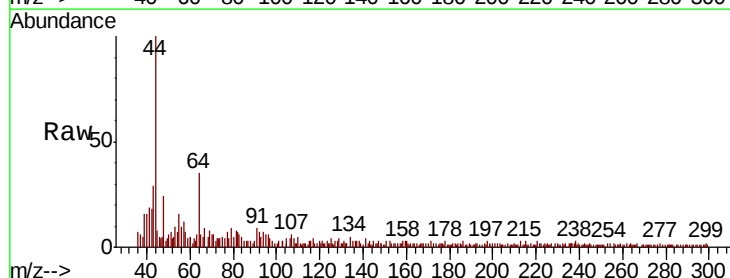
Acq: 28 Mar 2020 02:02

Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 95.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

1000

500

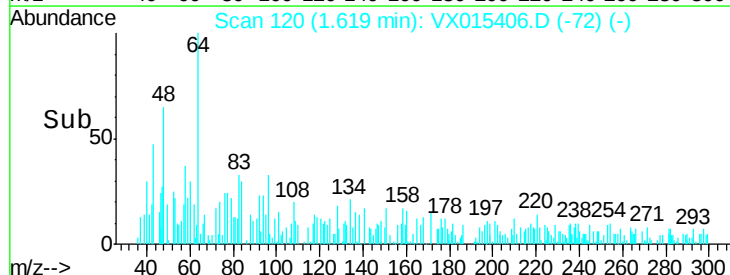
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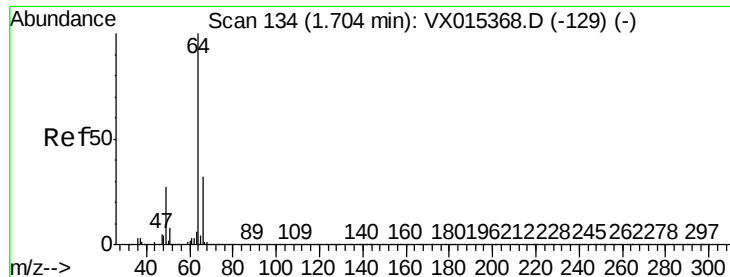
Time-->

1.60

1.62

1.64





#6

Chloroethane

Concen: 0.220 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

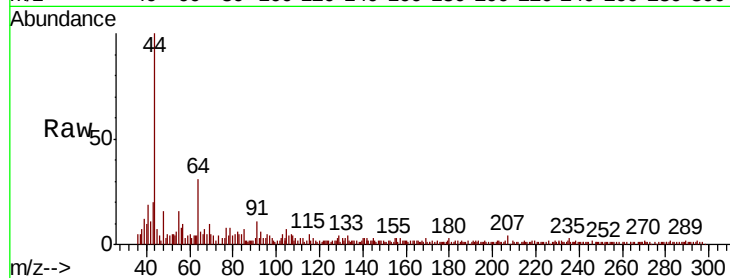
PB127861ZHE#02

Tot Ion: 64 Resp: 1564

Ion Ratio Lower Upper

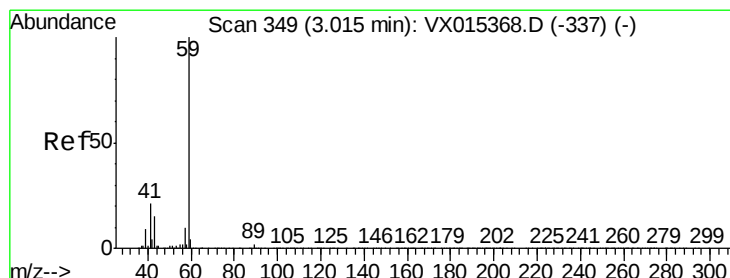
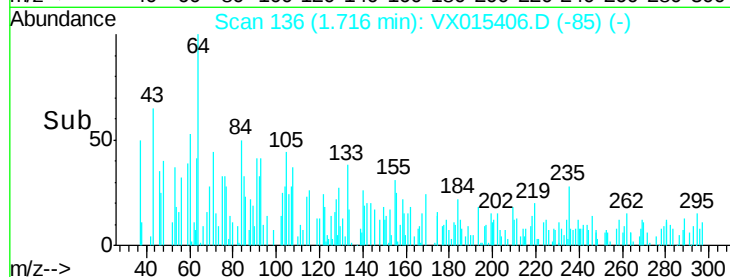
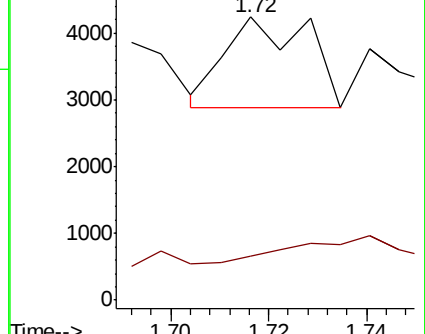
64 100

66 8.4 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 7.095 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015406.D

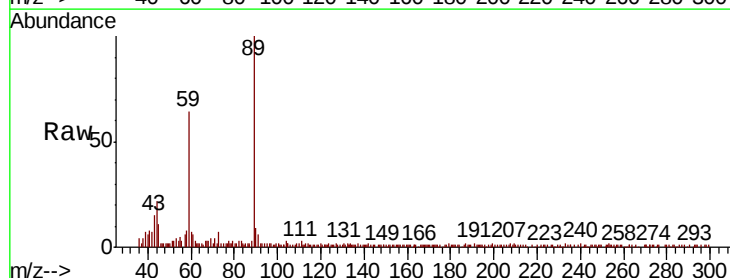
Acq: 28 Mar 2020 02:02

Tgt Ion: 59 Resp: 26606

Ion Ratio Lower Upper

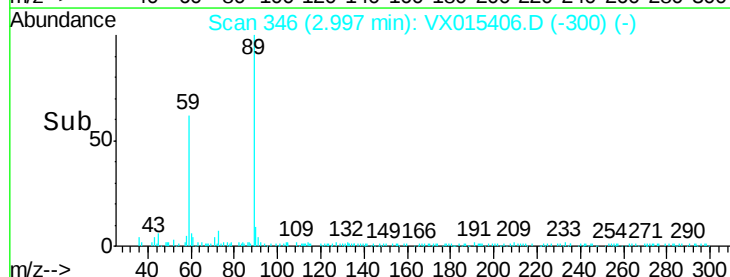
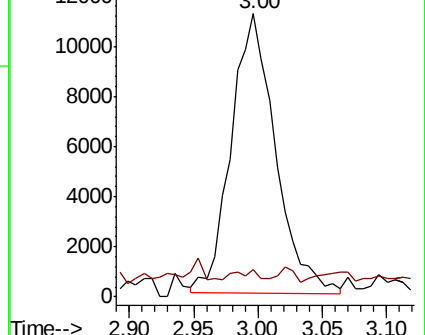
59 100

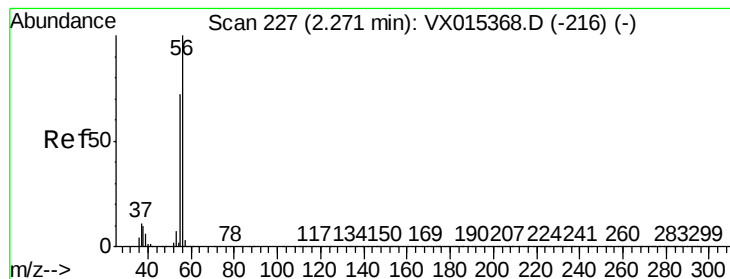
57 2.3 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.317 ug/l

RT: 2.21 min Scan# 217

Delta R.T. -0.06 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

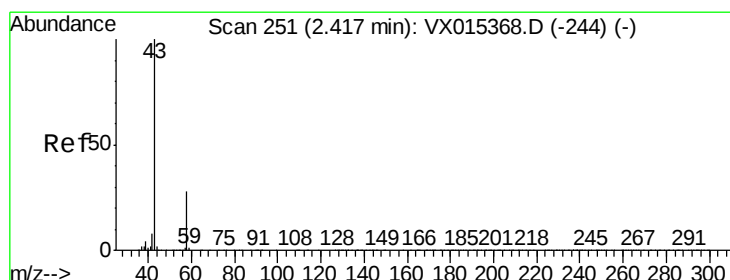
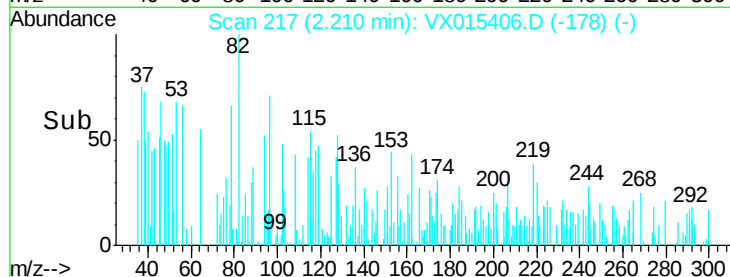
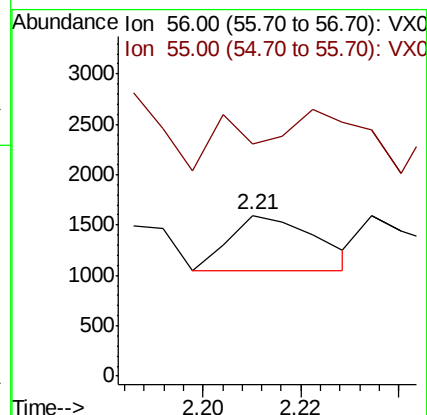
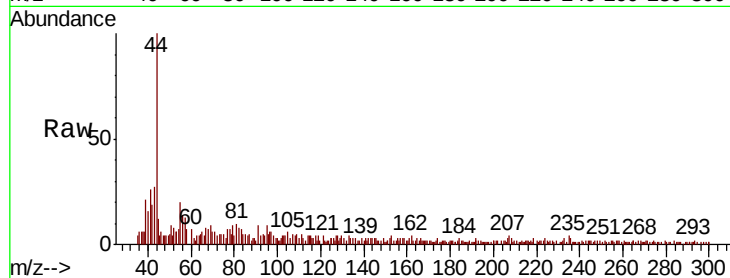
PB127861ZHE#02

Tot Ion: 56 Resp: 678

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 6.180 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015406.D

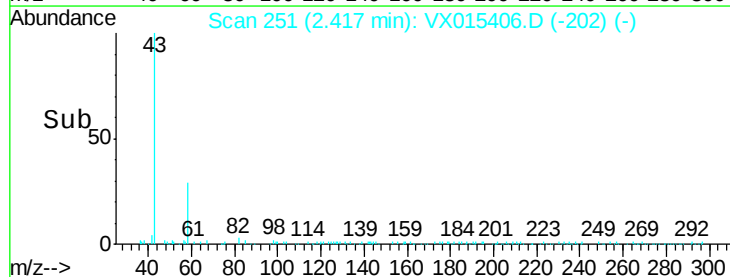
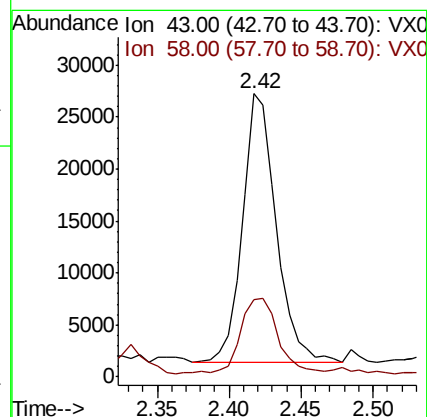
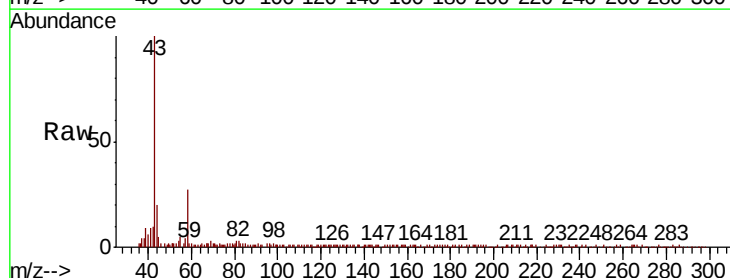
Acq: 28 Mar 2020 02:02

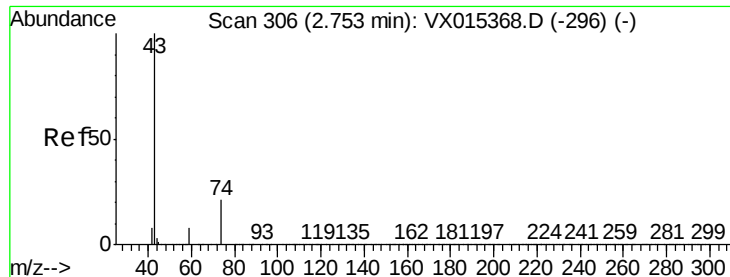
Tgt Ion: 43 Resp: 41595

Ion Ratio Lower Upper

43 100

58 26.8 22.1 33.1

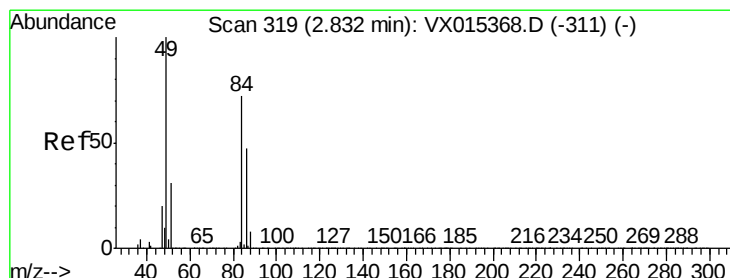
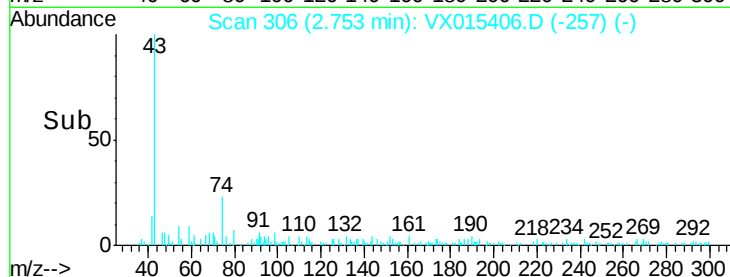
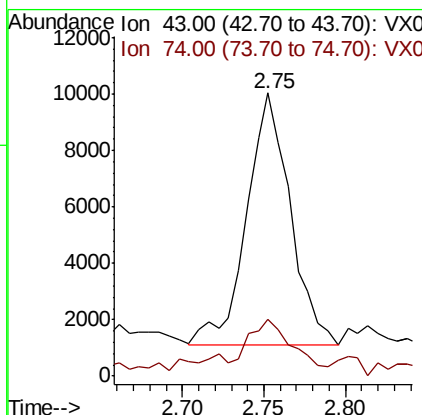
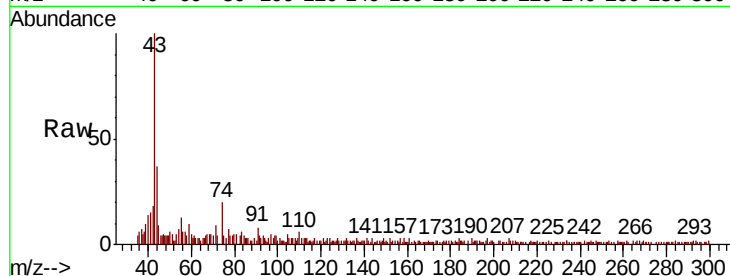




#18
Methyl Acetate
Concen: 0.968 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

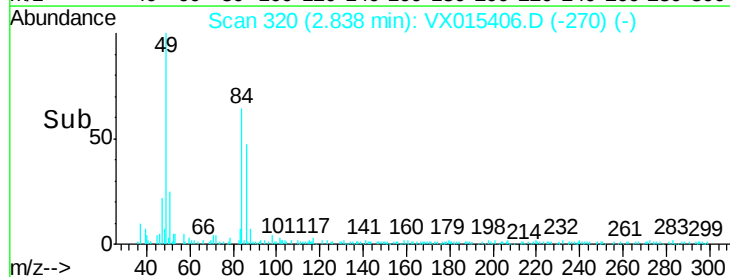
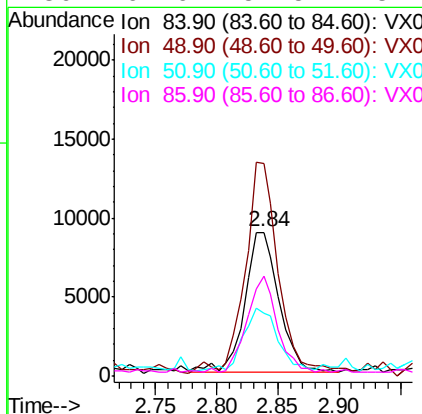
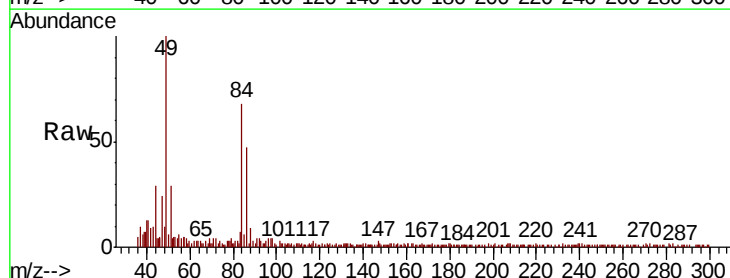
Instrument :
MSVOA_X
ClientSampleId :
PB127861ZHE#02

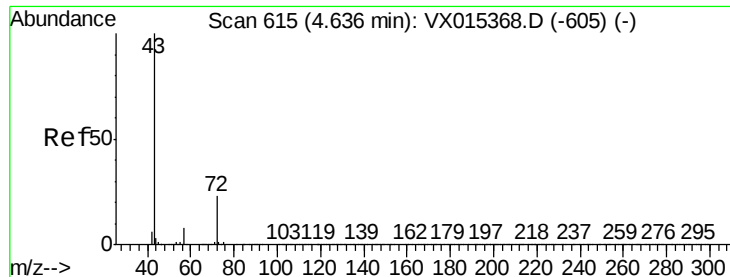
Tot Ion: 43 Resp: 16625
Ion Ratio Lower Upper
43 100
74 28.1 16.5 24.7#



#20
Methylene Chloride
Concen: 1.389 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

Tgt Ion: 84 Resp: 17467
Ion Ratio Lower Upper
84 100
49 146.2 111.3 166.9
51 40.3 34.0 51.0
86 67.6 52.5 78.7





#25

2-Butanone

Concen: 1.291 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.02 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

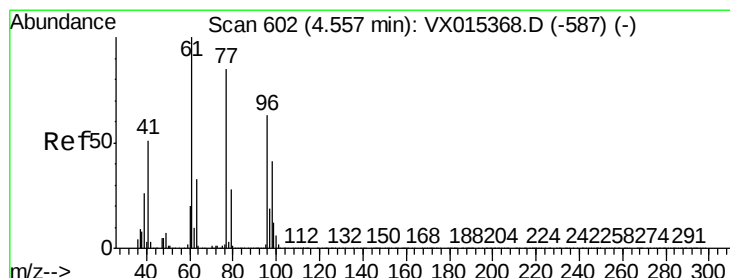
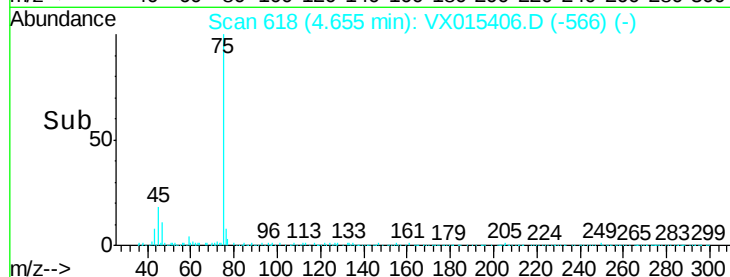
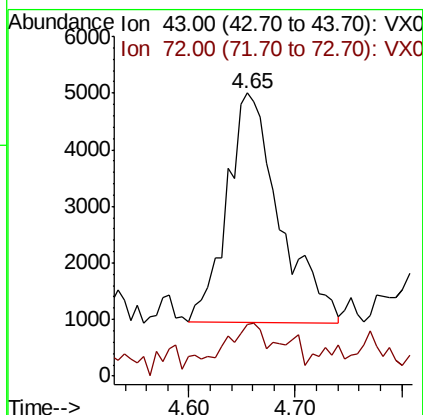
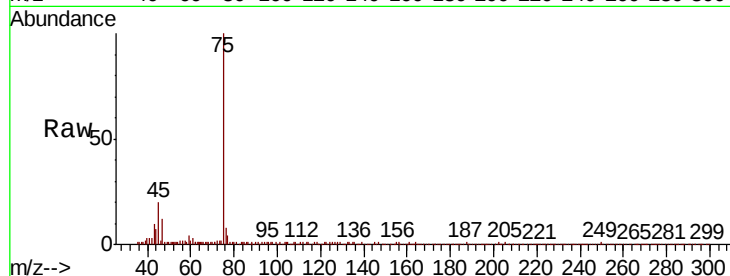
PB127861ZHE#02

Tot Ion: 43 Resp: 13973

Ion Ratio Lower Upper

43 100

72 13.9 19.0 28.4#



#26

2,2-Dichloropropane

Concen: 0.298 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.10 min

Lab File: VX015406.D

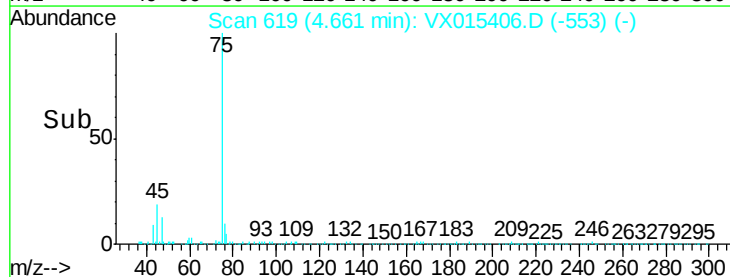
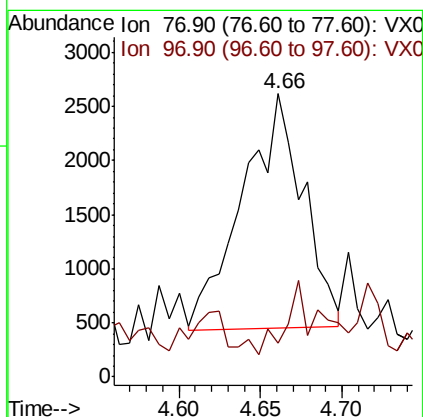
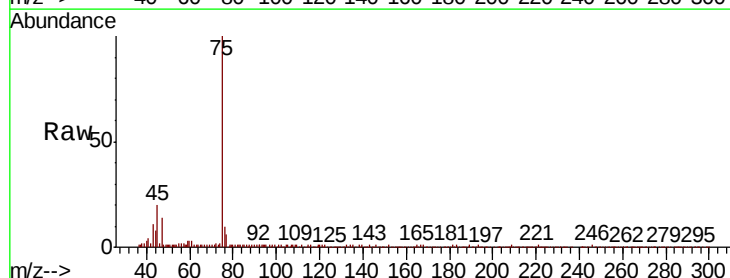
Acq: 28 Mar 2020 02:02

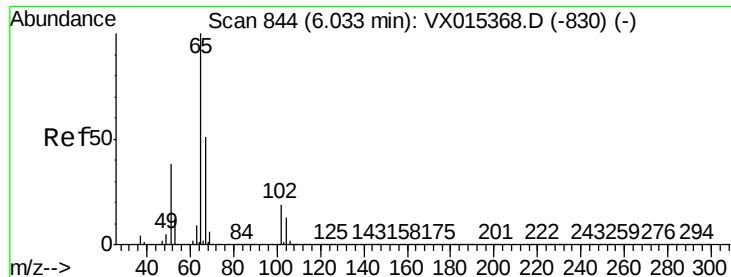
Tgt Ion: 77 Resp: 5595

Ion Ratio Lower Upper

77 100

97 13.9 11.3 33.8





#33

1,2-Dichloroethane-d4

Concen: 48.347 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

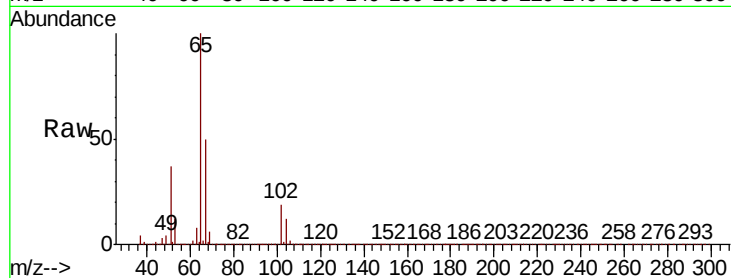
PB127861ZHE#02

Tot Ion: 65 Resp: 757419

Ion Ratio Lower Upper

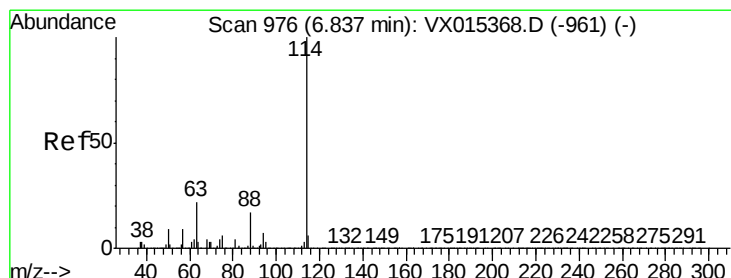
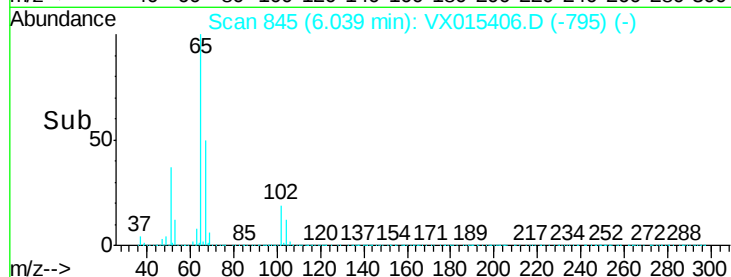
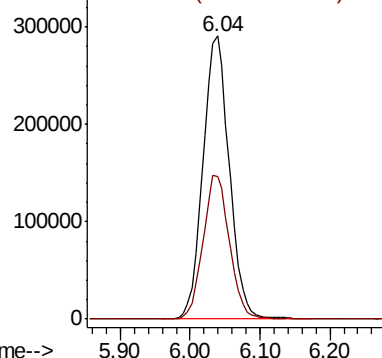
65 100

67 50.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

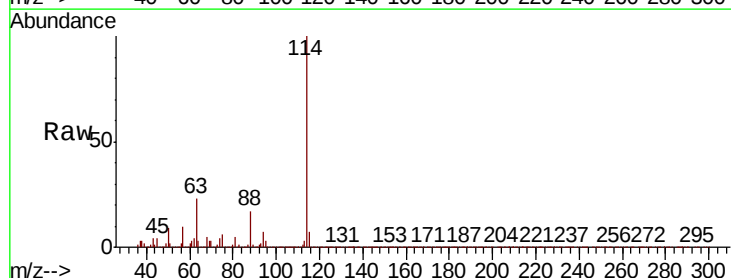
Tgt Ion: 114 Resp: 1821429

Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.2

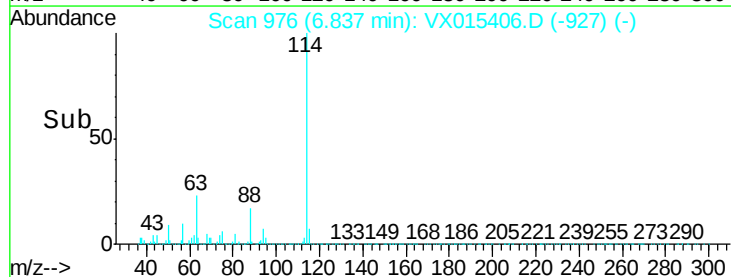
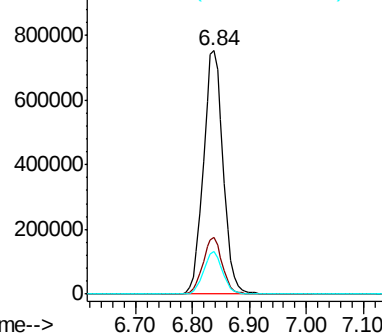
88 17.3 0.0 33.8

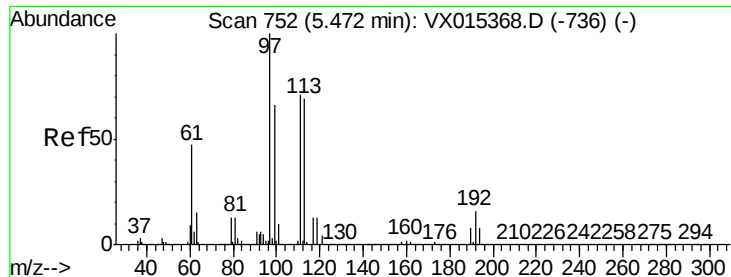


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

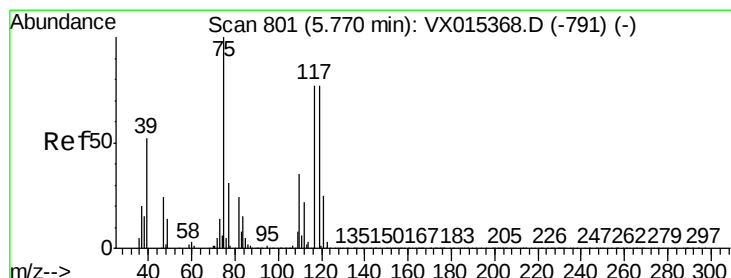
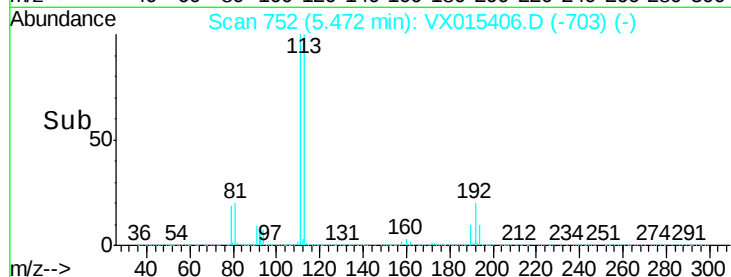
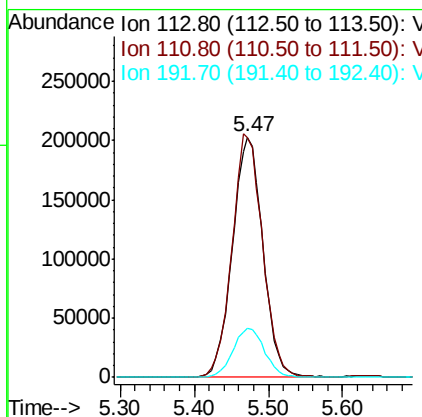
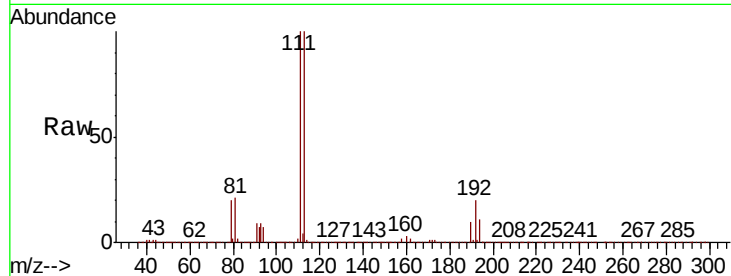




#35
 Dibromofluoromethane
 Concen: 49.697 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015406.D
 Acq: 28 Mar 2020 02:02

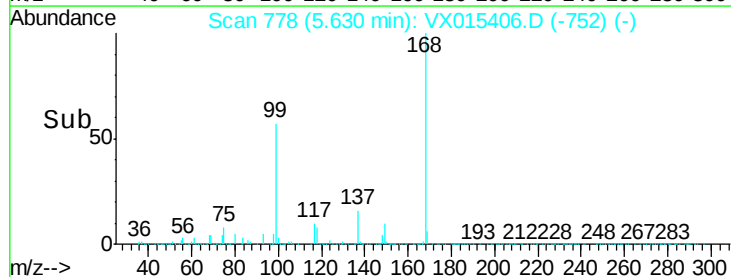
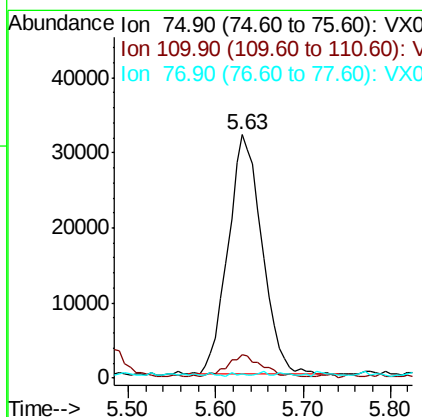
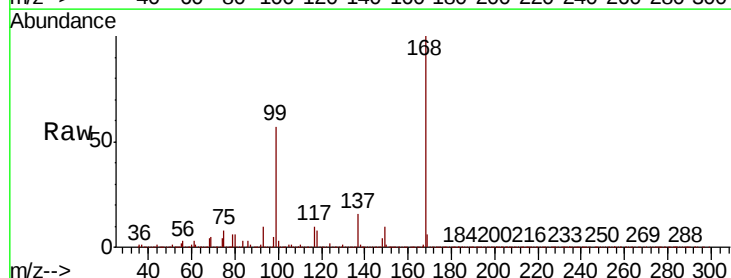
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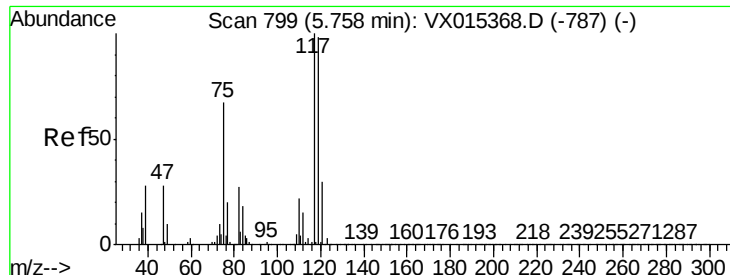
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	21.0	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.126 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015406.D
 Acq: 28 Mar 2020 02:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.1	51.3#
77	0.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.953 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

PB127861ZHE#02

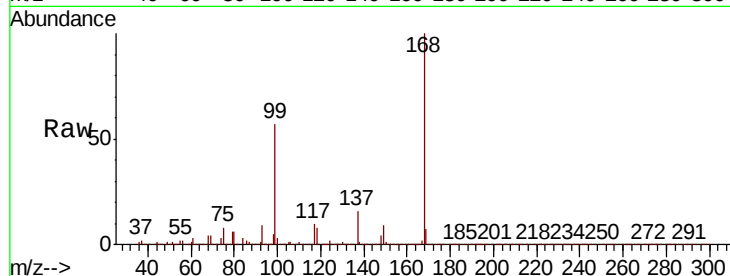
Tot Ion:117 Resp: 108206

Ion Ratio Lower Upper

117 100

119 2.6 78.0 117.0#

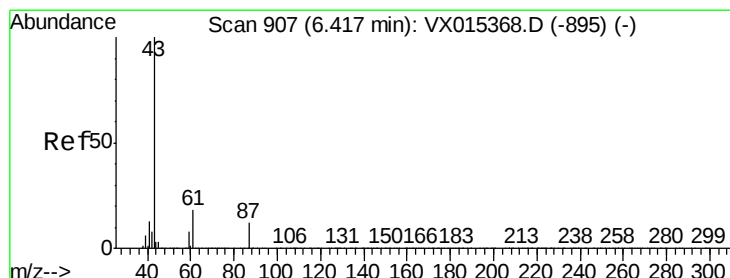
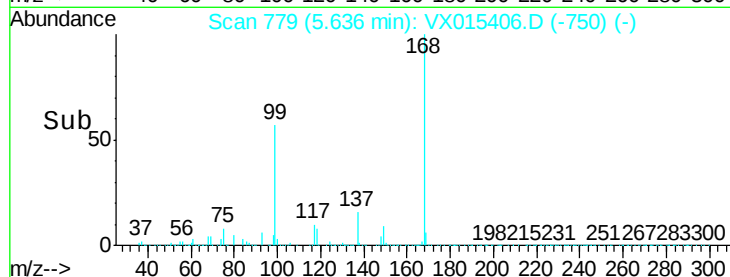
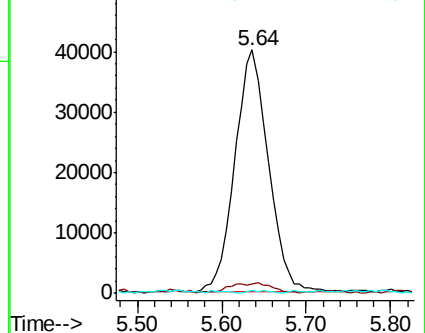
121 0.3 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 11.968 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

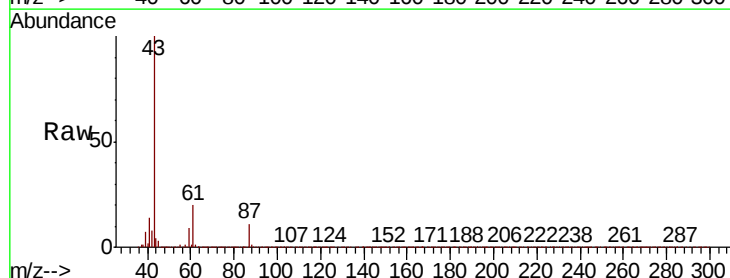
Tgt Ion: 43 Resp: 441485

Ion Ratio Lower Upper

43 100

61 19.0 14.8 22.2

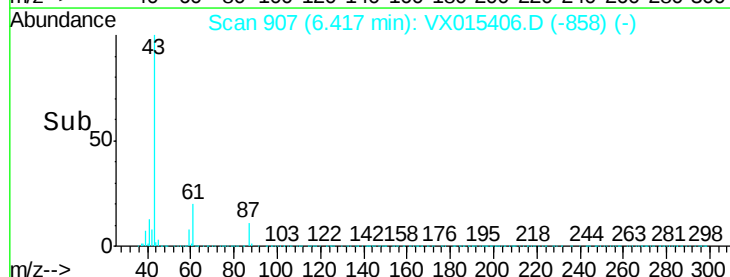
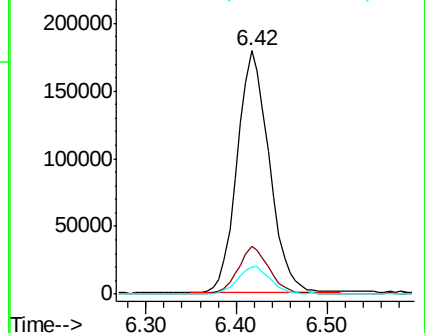
87 11.4 9.4 14.0

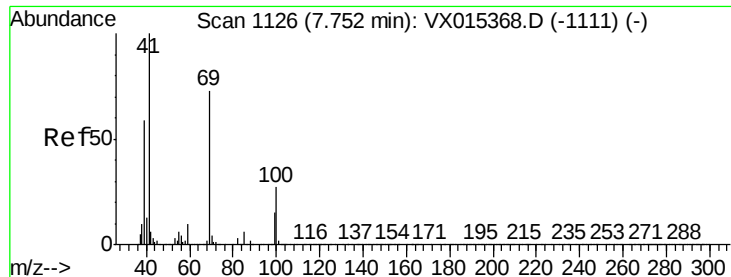


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

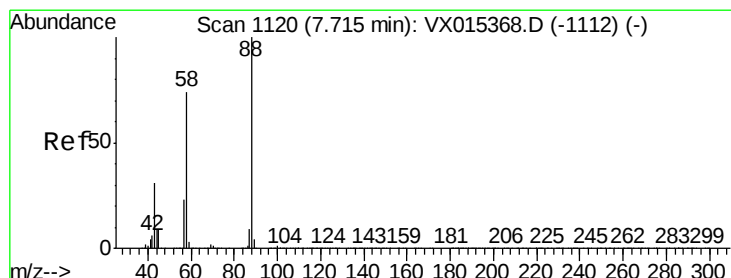
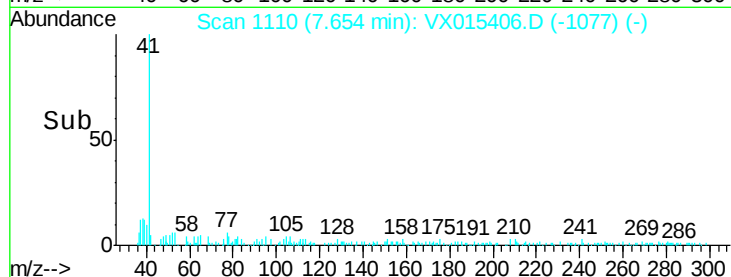
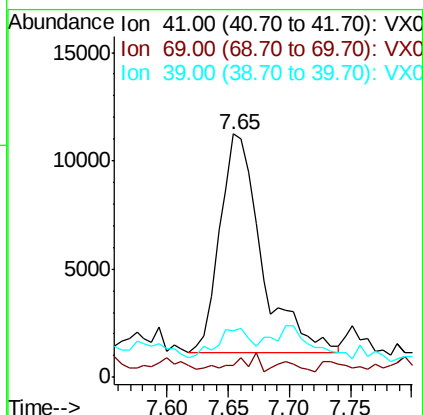
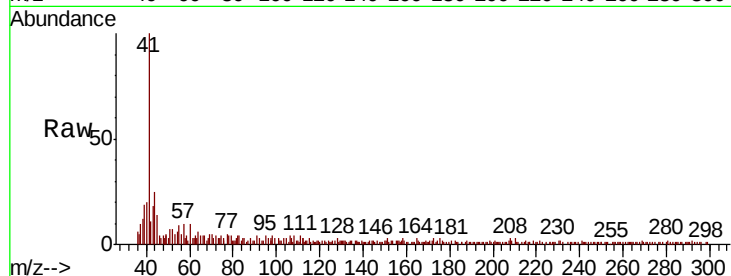




#48
Methvl methacrylate
Concen: 1.292 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

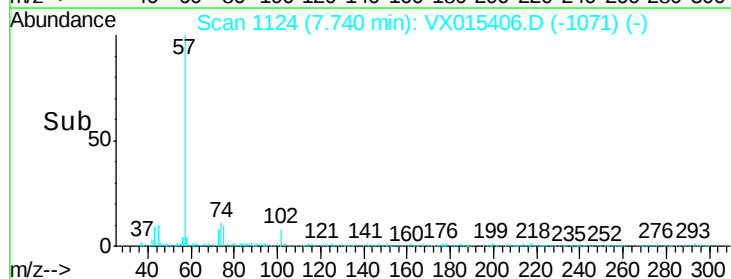
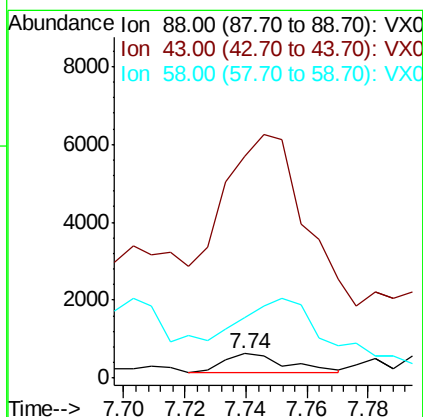
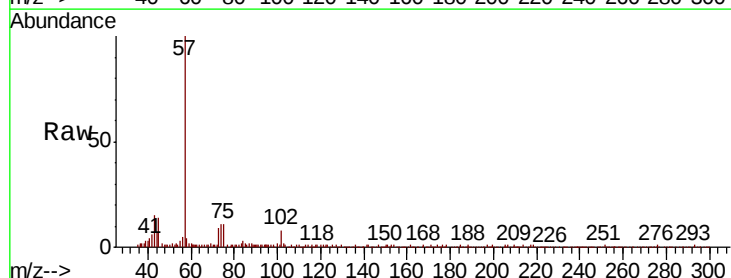
Instrument :
MSVOA_X
ClientSampleId :
PB127861ZHE#02

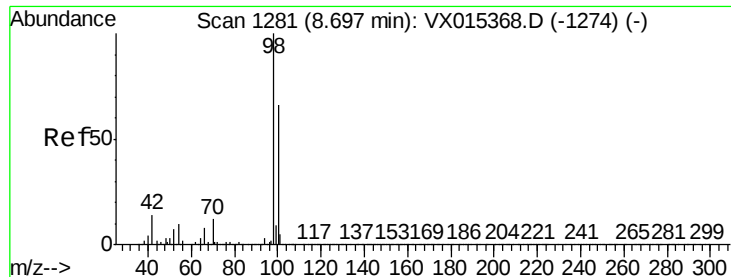
Tot Ion: 41 Resp: 23802
Ion Ratio Lower Upper
41 100
69 2.7 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 2.159 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.02 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

Tgt Ion: 88 Resp: 742
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 494.6 60.6 90.8#

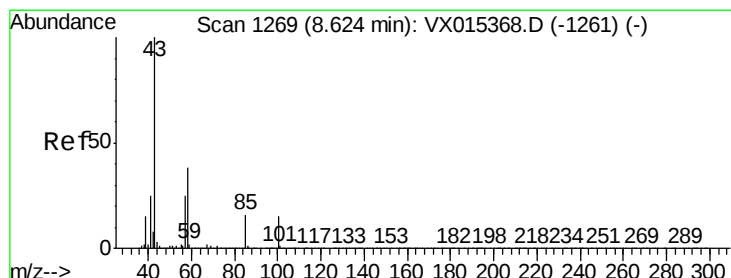
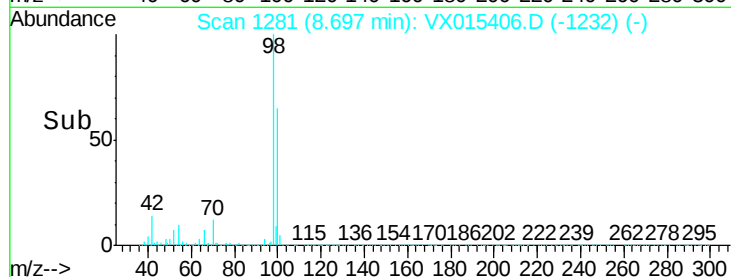
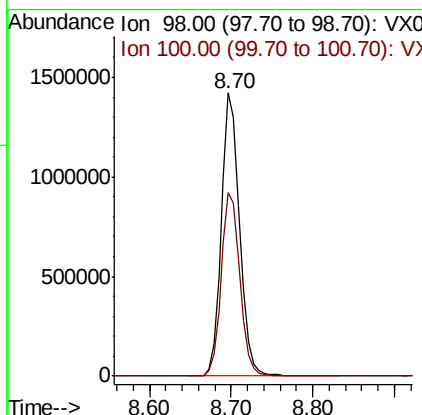
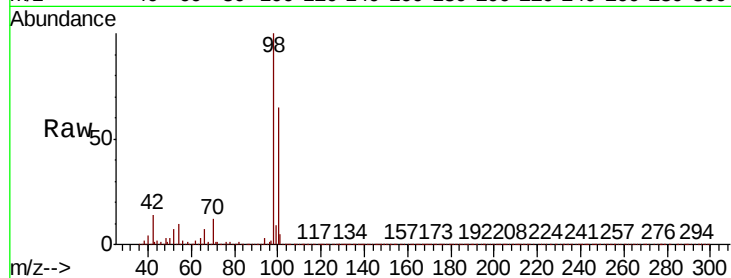




#50
Toluene-d8
Concen: 51.390 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

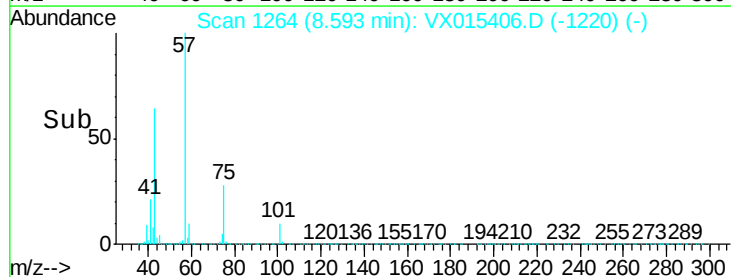
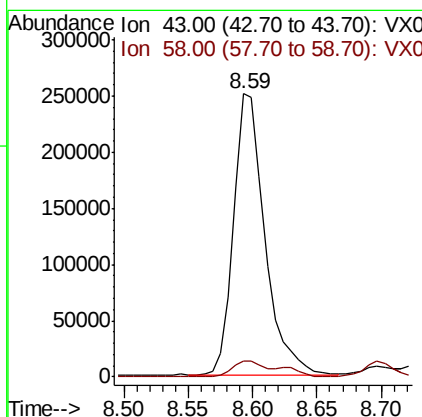
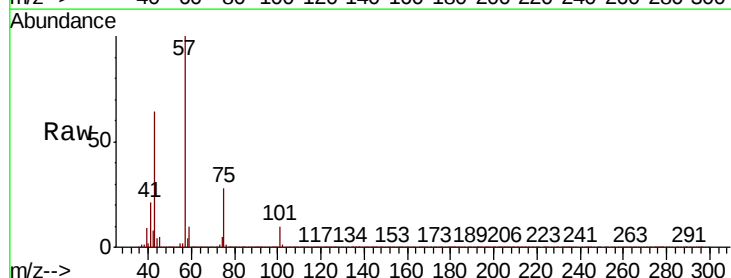
Instrument :
MSVOA_X
ClientSampleId :
PB127861ZHE#02

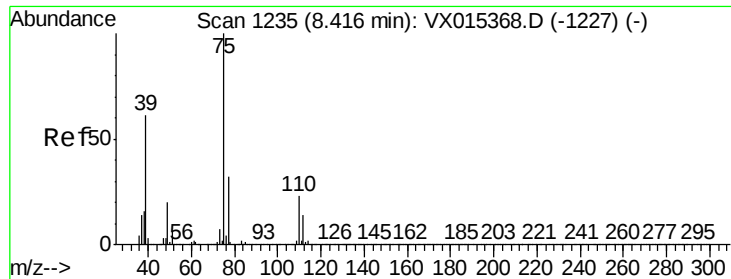
Tot Ion: 98 Resp: 2202937
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 20.366 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

Tgt Ion: 43 Resp: 425753
Ion Ratio Lower Upper
43 100
58 6.0 29.7 44.5#

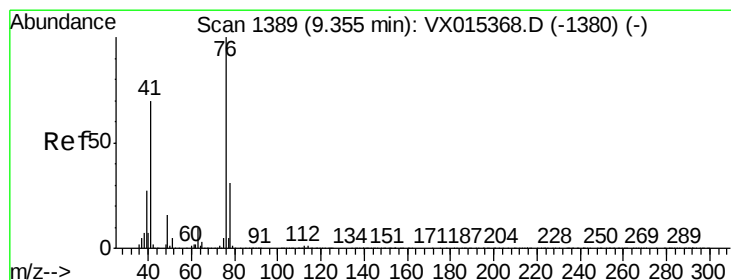
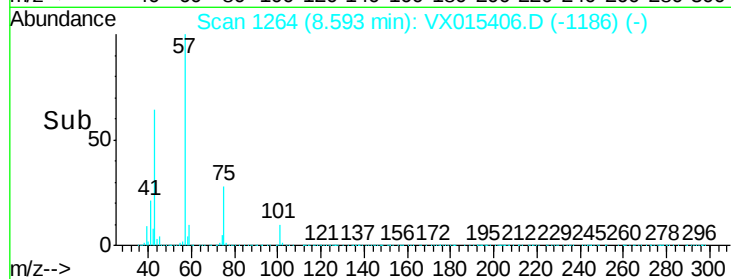
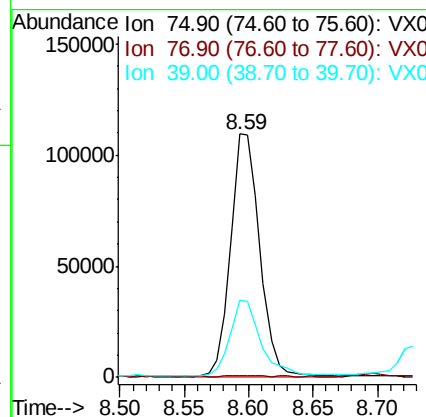
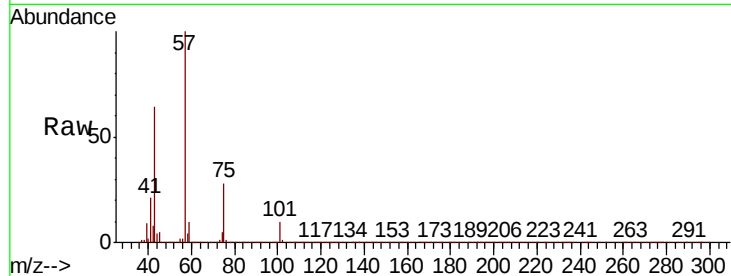




#54
 cis-1,3-Dichloropropene
 Concen: 7.734 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. 0.18 min
 Lab File: VX015406.D
 Acq: 28 Mar 2020 02:02

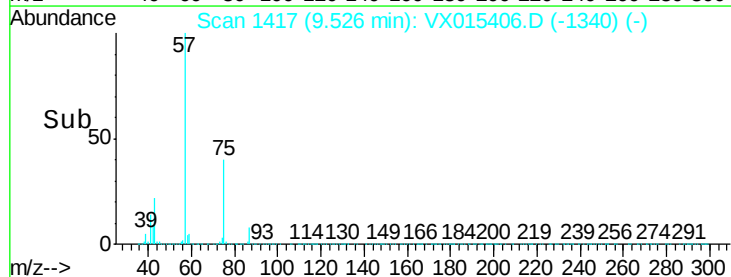
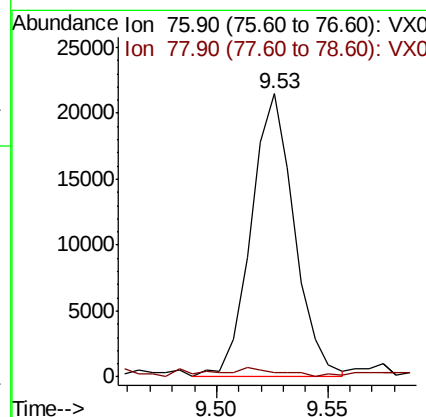
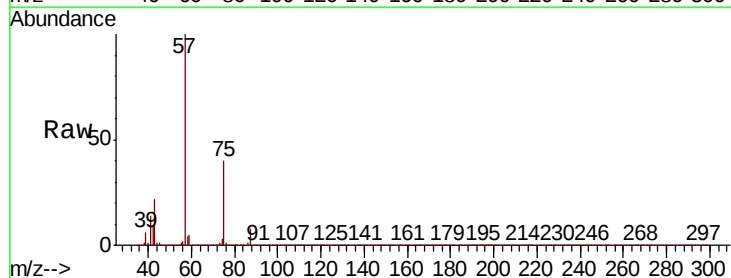
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127861ZHE#02

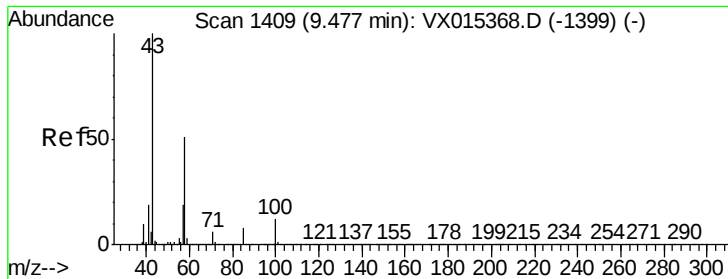
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.8	38.6#
39	31.2	49.0	73.4#



#57
 1,3-Dichloropropane
 Concen: 1.298 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.17 min
 Lab File: VX015406.D
 Acq: 28 Mar 2020 02:02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	3.2	25.8	38.8#

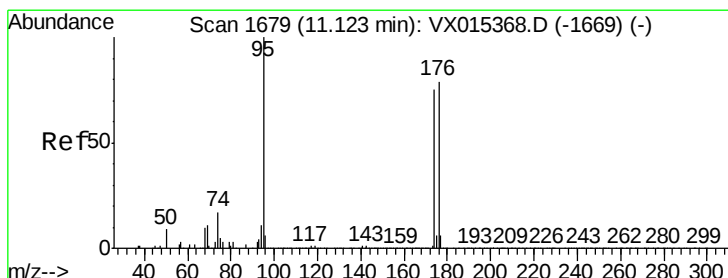
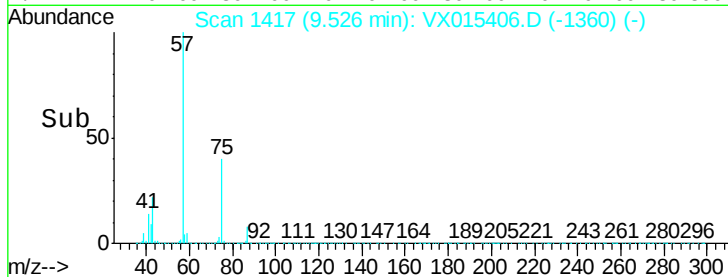
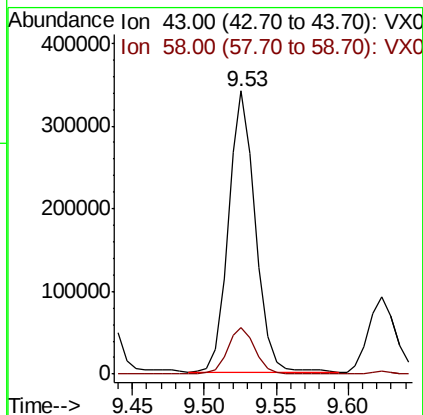
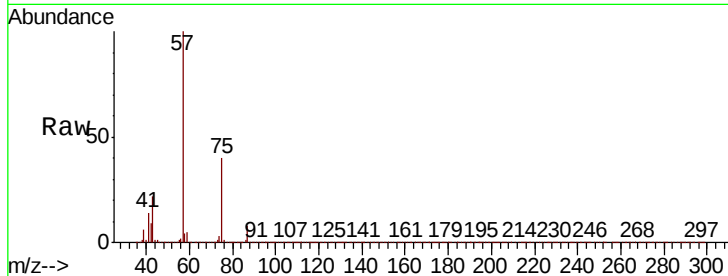




#59
2-Hexanone
Concen: 28.197 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

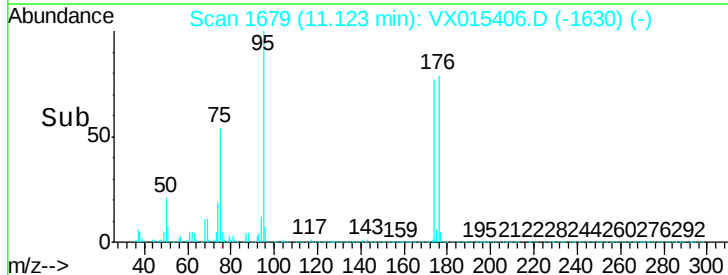
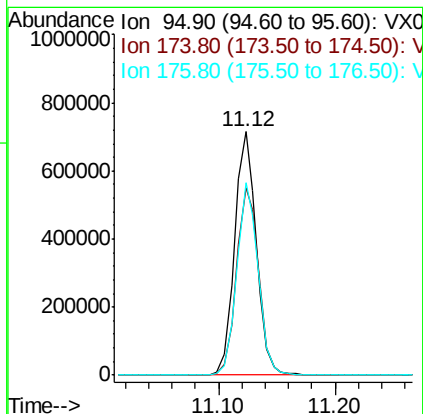
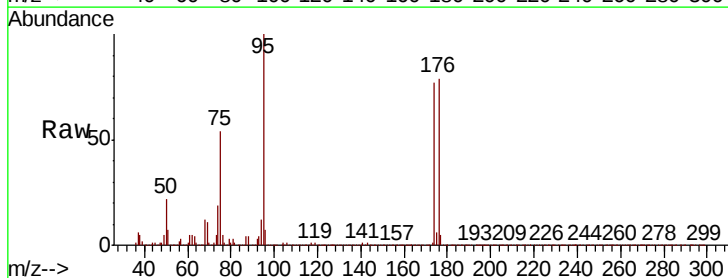
Instrument :
MSVOA_X
ClientSampleId :
PB127861ZHE#02

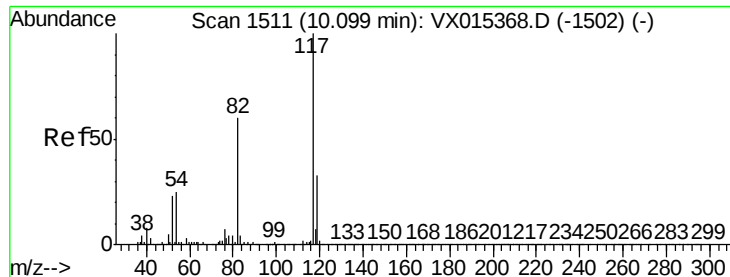
Tot Ion: 43 Resp: 445039
Ion Ratio Lower Upper
43 100
58 17.4 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 53.012 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

Tgt Ion: 95 Resp: 923526
Ion Ratio Lower Upper
95 100
174 78.7 0.0 158.6
176 78.0 0.0 159.0

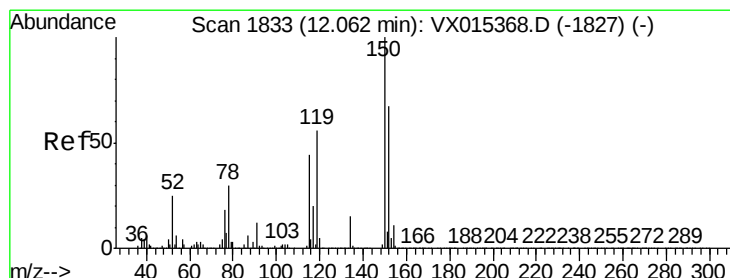
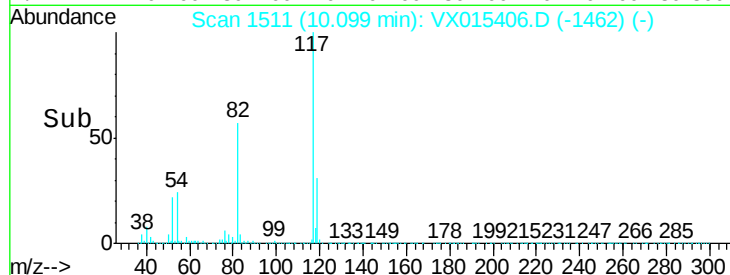
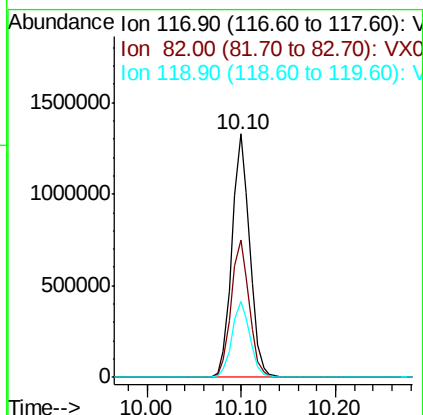
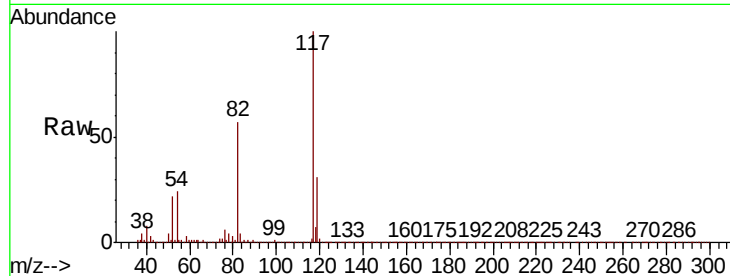




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

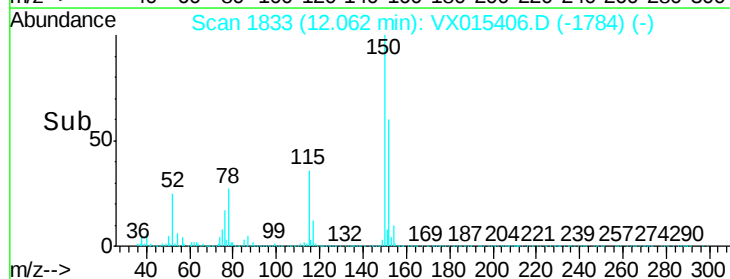
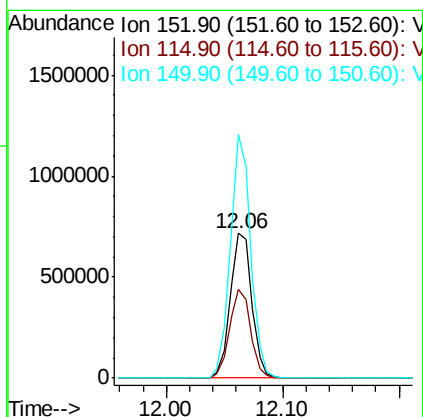
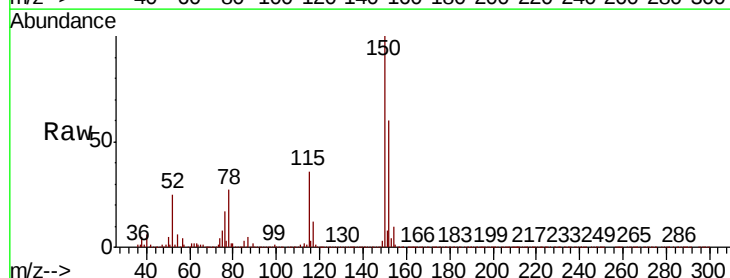
Instrument :
MSVOA_X
ClientSampleId :
PB127861ZHE#02

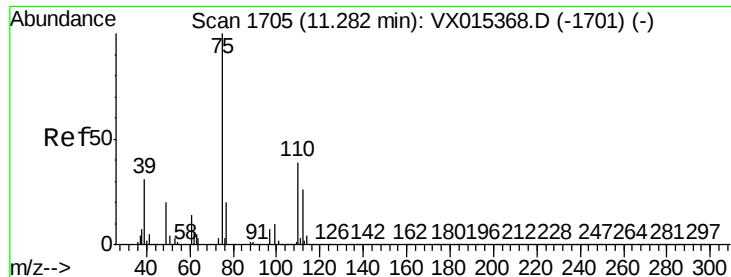
Tot Ion:117 Resp: 1734548
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.8
119 31.3 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015406.D
Acq: 28 Mar 2020 02:02

Tgt Ion:152 Resp: 921329
Ion Ratio Lower Upper
152 100
115 60.2 39.0 116.9
150 159.0 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.870 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

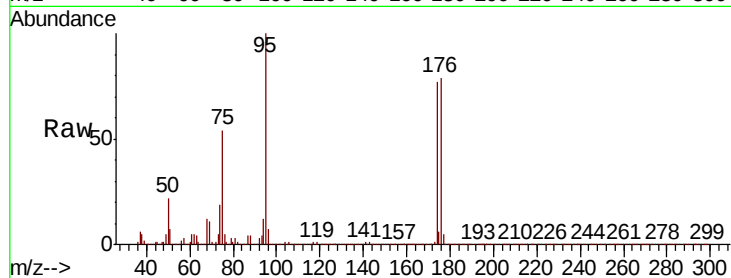
PB127861ZHE#02

Tot Ion: 75 Resp: 490146

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

400000

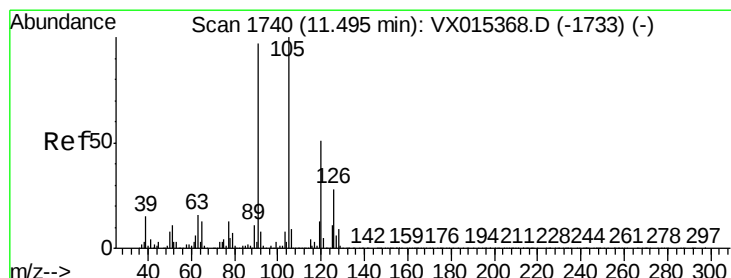
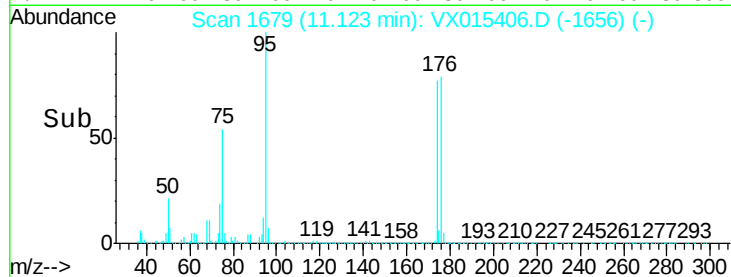
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.435 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015406.D

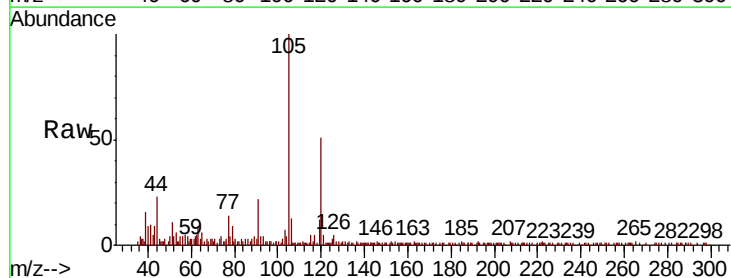
Acq: 28 Mar 2020 02:02

Tgt Ion: 105 Resp: 22438

Ion Ratio Lower Upper

105 100

120 44.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

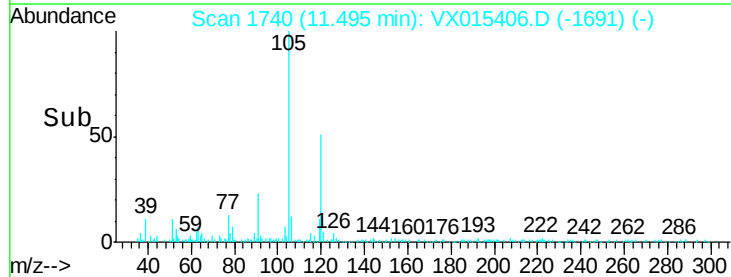
15000

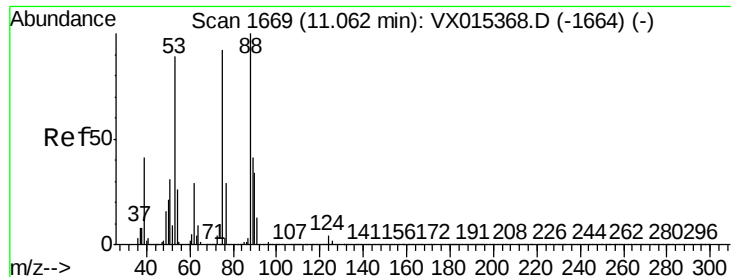
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 62.074 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Instrument :

MSVOA_X

ClientSampleId :

PB127861ZHE#02

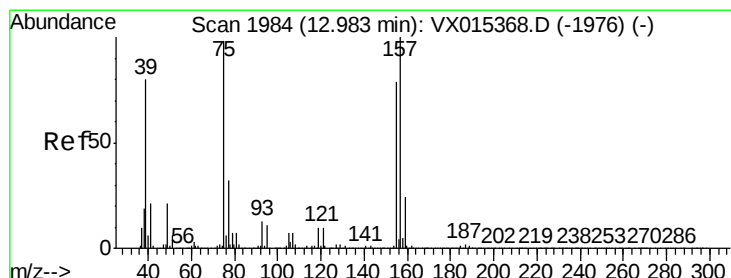
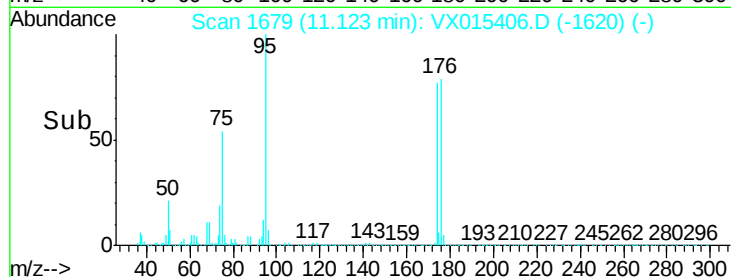
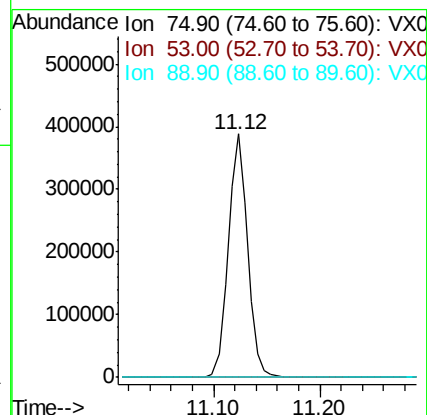
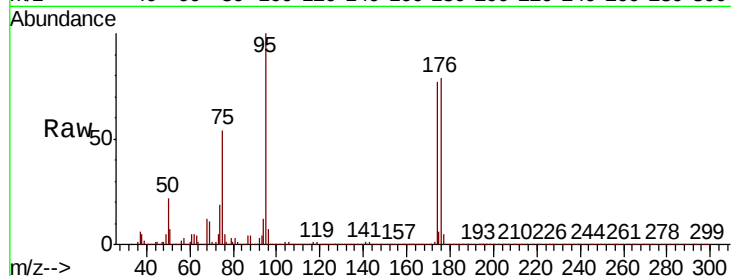
Tot Ion: 75 Resp: 490146

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.236 ug/l

RT: 12.96 min Scan# 1980

Delta R.T. -0.02 min

Lab File: VX015406.D

Acq: 28 Mar 2020 02:02

Tgt Ion: 75 Resp: 1380

Ion Ratio Lower Upper

75 100

155 18.0 42.8 128.4#

157 0.0 53.4 160.3#

