

Data File : VX015207.D
Acq On : 11 Mar 2020 17:40
Operator : JC/SP
Sample : PB127431ZHE#16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#16

Quant Time: Mar 12 05:52:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	312928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	539913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	541828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	271987	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	198771	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	5.49	113	168932	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	8.71	98	673732	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	11.13	95	247703	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

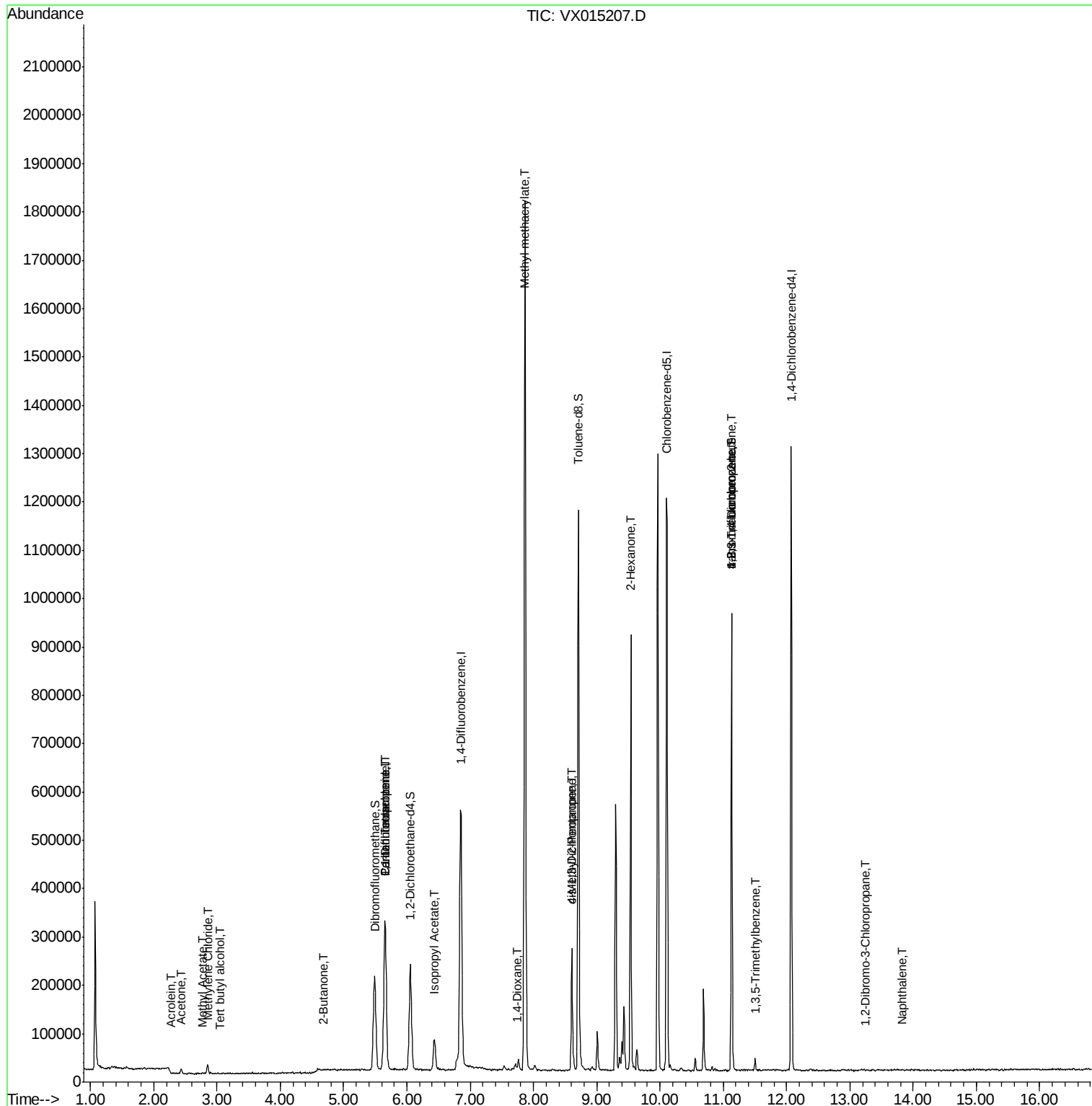
Target Compounds				Qvalue		
11) Tert butyl alcohol	3.05	59	384	0.596	ug/l #	72
13) Acrolein	2.28	56	730	1.206	ug/l #	33
16) Acetone	2.43	43	11252	7.484	ug/l	95
18) Methyl Acetate	2.76	43	3439	0.935	ug/l	100
20) Methylene Chloride	2.85	84	8872	2.521	ug/l	86
25) 2-Butanone	4.69	43	3595	1.633	ug/l #	63
36) 1,1-Dichloropropene	5.65	75	22082	4.424	ug/l #	53
38) Carbon Tetrachloride	5.65	117	28153	5.976	ug/l #	16
43) Isopropyl Acetate	6.43	43	83701	10.276	ug/l	99
48) Methyl methacrylate	7.87	41	154537	37.278	ug/l #	43
49) 1,4-Dioxane	7.74	88	491	5.478	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	88752	18.429	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	41106	6.917	ug/l #	62
59) 2-Hexanone	9.54	43	103780	29.075	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	122551	22.589	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.50	105	11147	0.771	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.13	75	122551	64.107	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.26	75	319	0.275	ug/l	79
95) Naphthalene	13.83	128	587	1.452	ug/l #	83

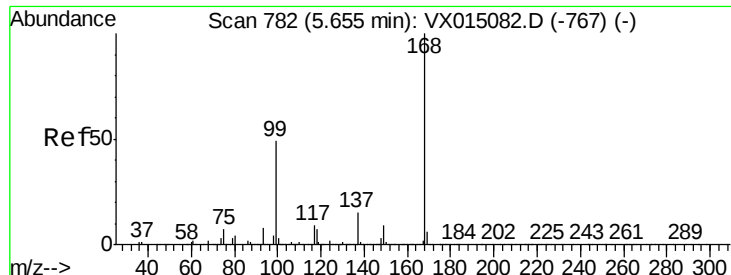
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

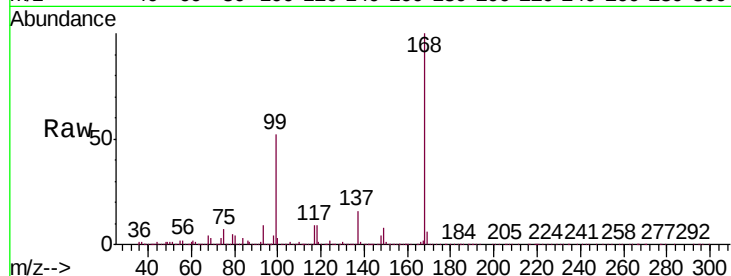
PB127431ZHE#16

Tgt Ion:168 Resp: 312928

Ion Ratio Lower Upper

168 100

99 52.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

60000

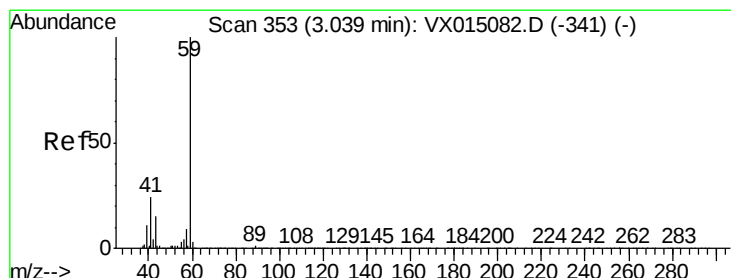
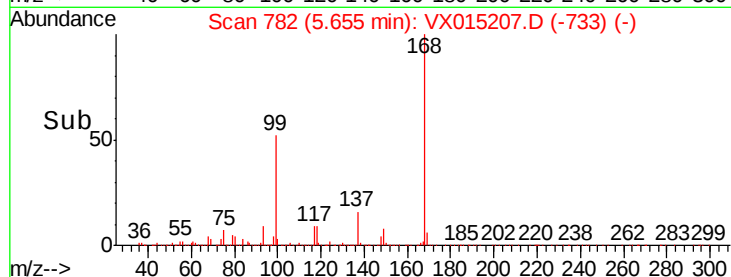
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.596 ug/l

RT: 3.05 min Scan# 354

Delta R.T. 0.01 min

Lab File: VX015207.D

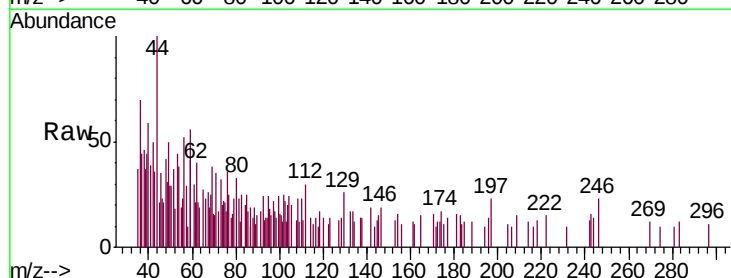
Acq: 11 Mar 2020 17:40

Tgt Ion: 59 Resp: 384

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.05

600

500

400

300

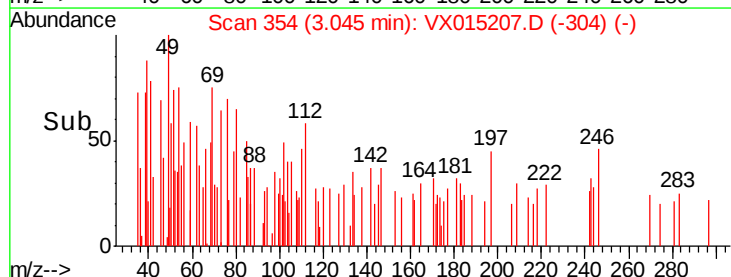
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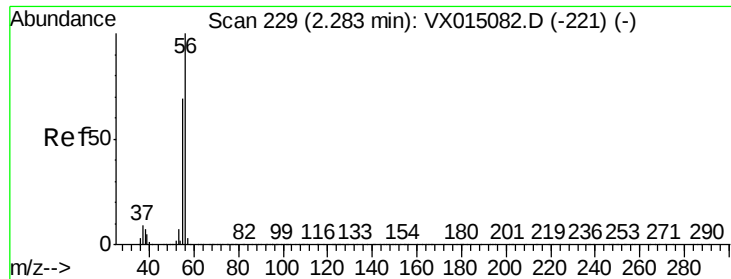
100

0

Time-->

3.02 3.04 3.06

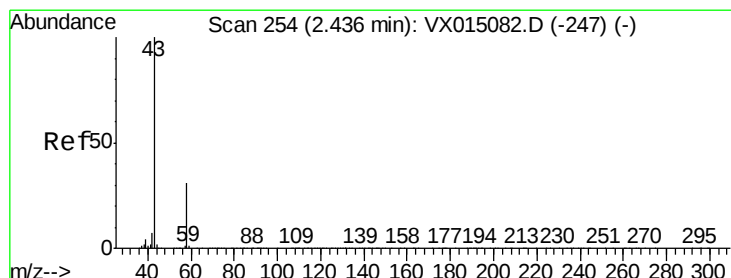
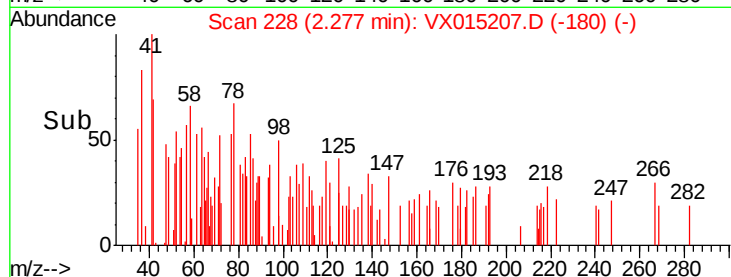
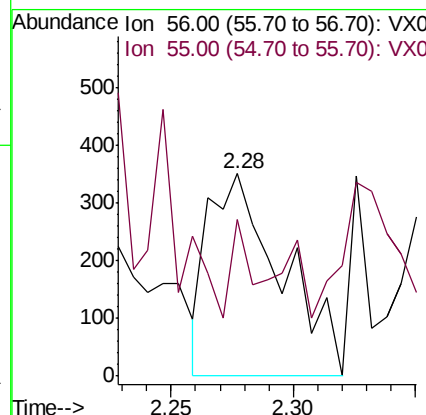
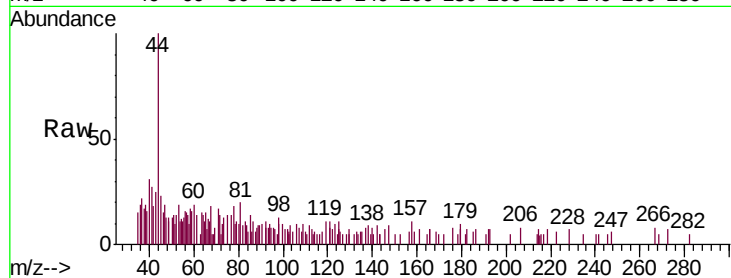




#13
Acrolein
Concen: 1.206 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

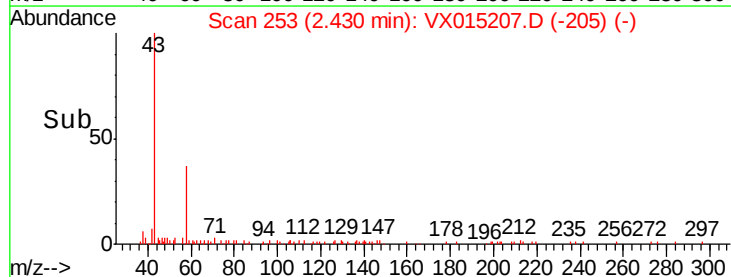
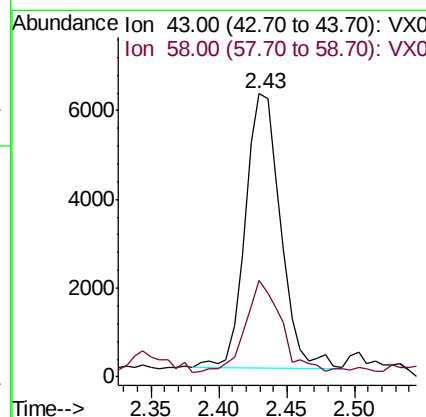
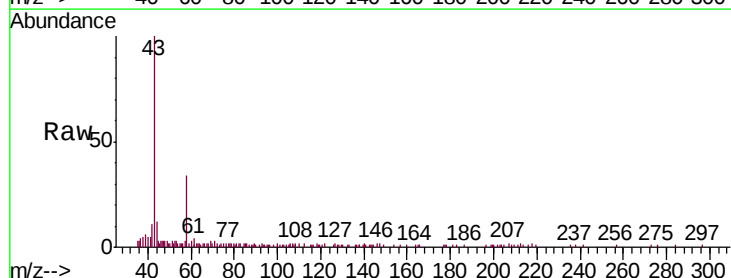
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#16

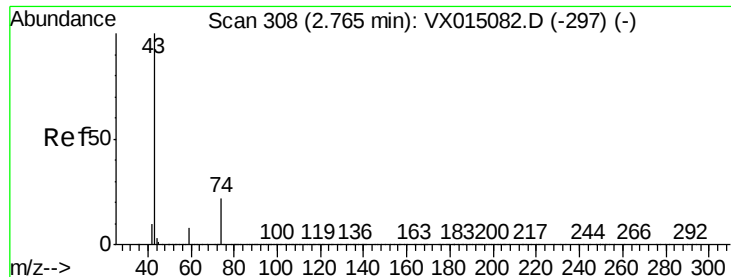
Tgt Ion: 56 Resp: 730
Ion Ratio Lower Upper
56 100
55 14.8 55.4 83.0#



#16
Acetone
Concen: 7.484 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

Tgt Ion: 43 Resp: 11252
Ion Ratio Lower Upper
43 100
58 33.6 24.8 37.2

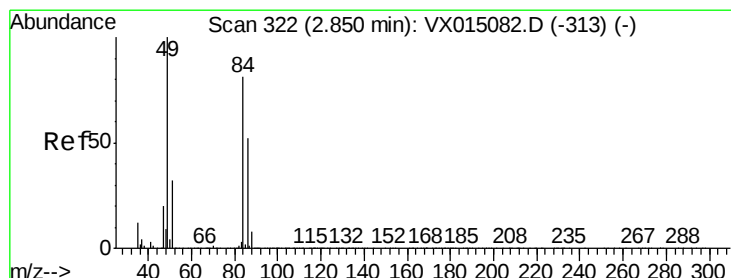
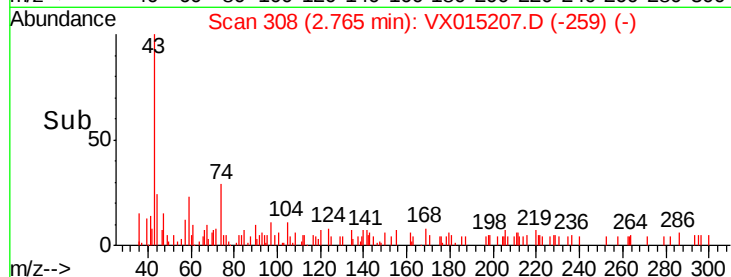
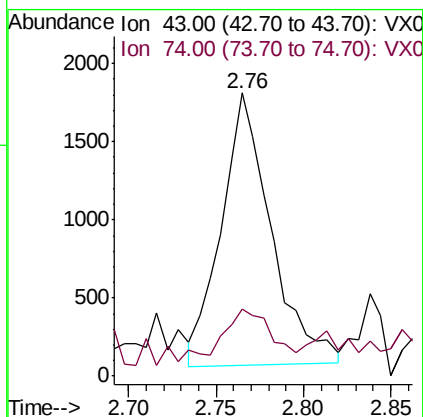
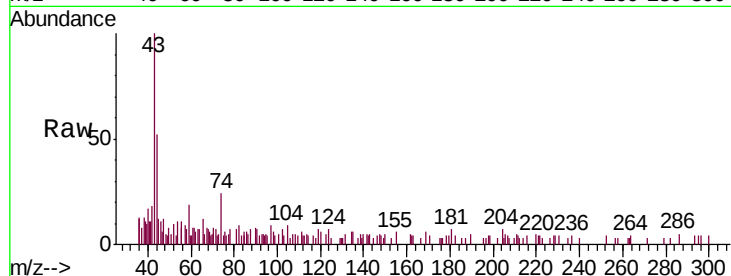




#18
Methyl Acetate
Concen: 0.935 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

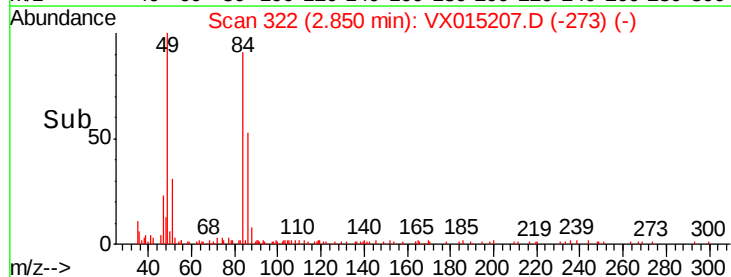
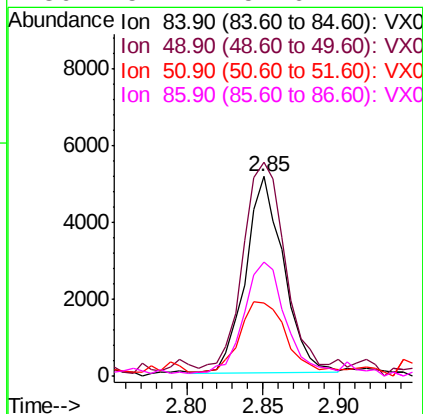
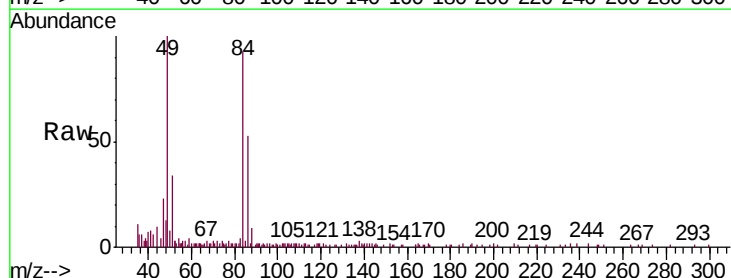
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#16

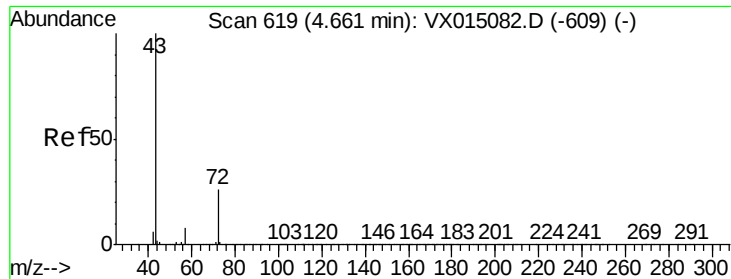
Tgt Ion: 43 Resp: 3439
Ion Ratio Lower Upper
43 100
74 23.4 18.8 28.2



#20
Methylene Chloride
Concen: 2.521 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

Tgt Ion: 84 Resp: 8872
Ion Ratio Lower Upper
84 100
49 103.6 99.4 149.2
51 35.3 31.5 47.3
86 57.2 51.6 77.4

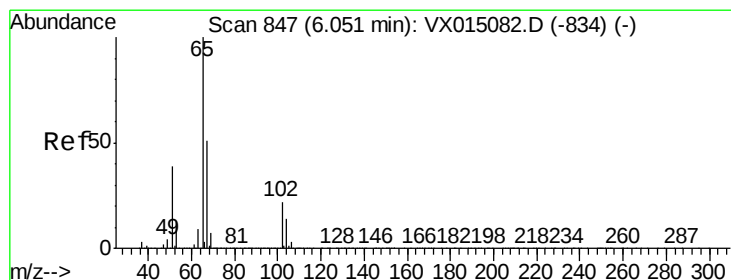
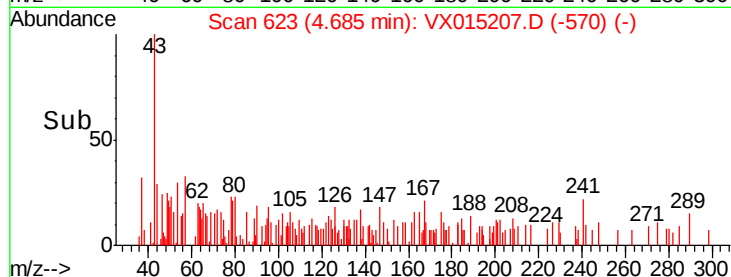
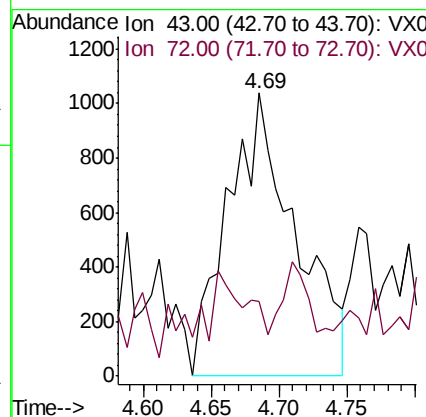
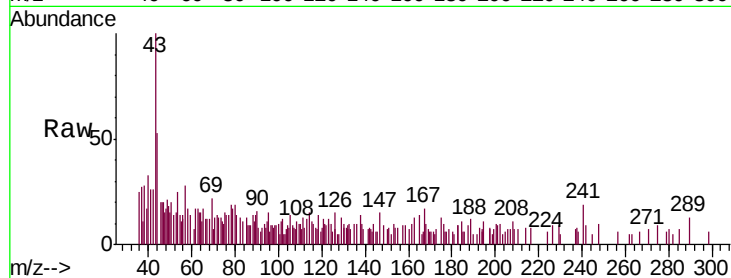




#25
2-Butanone
Concen: 1.633 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

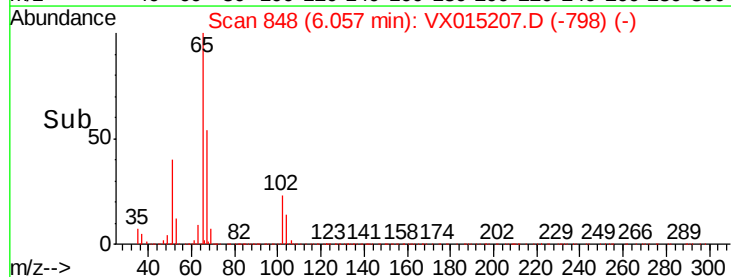
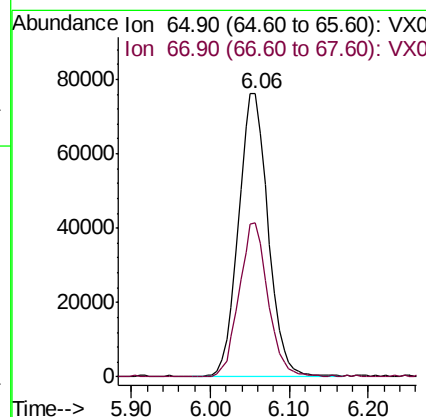
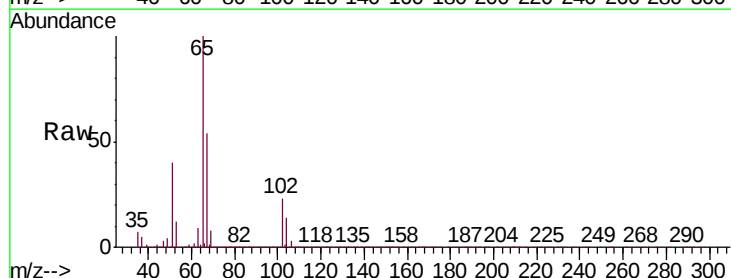
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#16

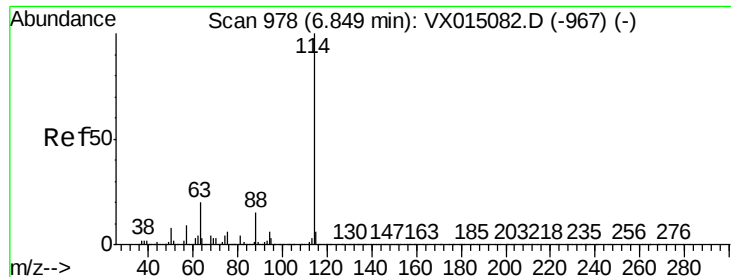
Tgt Ion: 43 Resp: 3595
Ion Ratio Lower Upper
43 100
72 6.7 20.6 30.8#



#33
1,2-Dichloroethane-d4
Concen: 53.541 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

Tgt Ion: 65 Resp: 198771
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#16

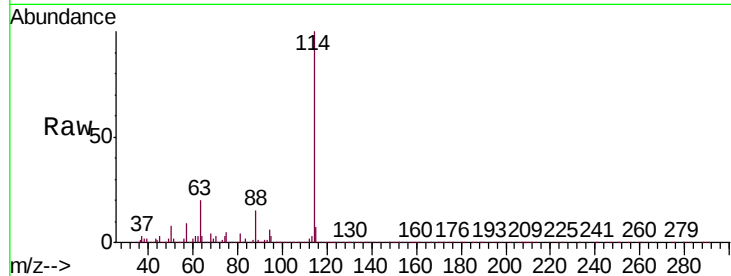
Tgt Ion:114 Resp: 539913

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

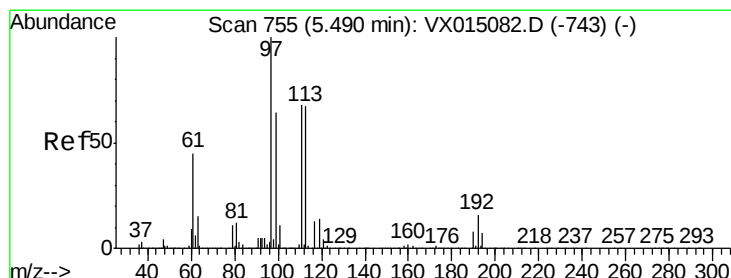
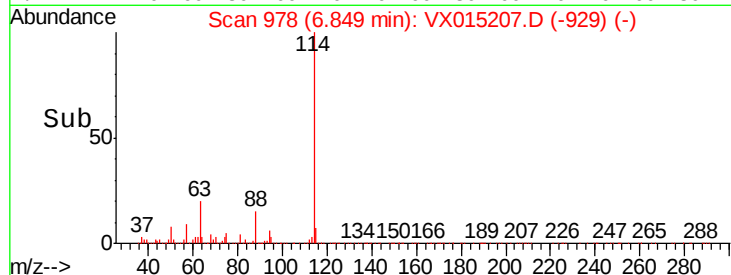
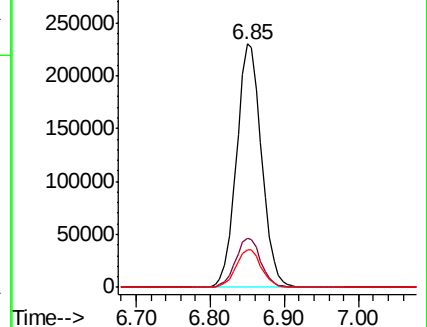
88 15.4 0.0 30.6



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: 49.596 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

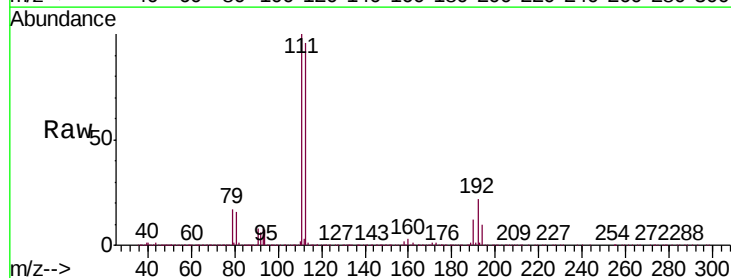
Tgt Ion:113 Resp: 168932

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

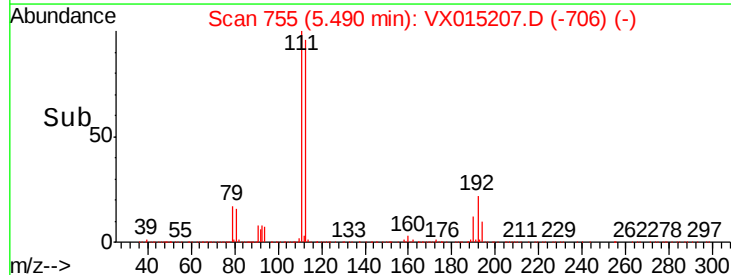
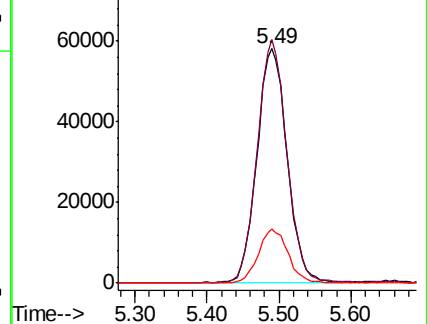
192 23.0 18.6 28.0

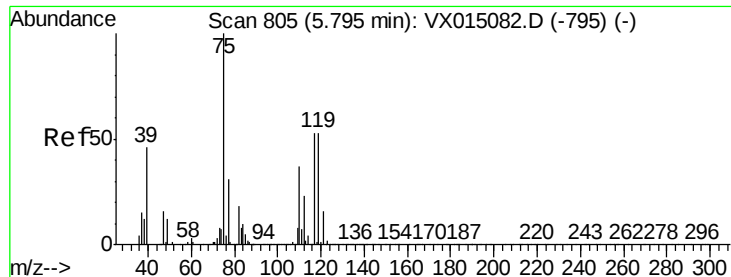


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

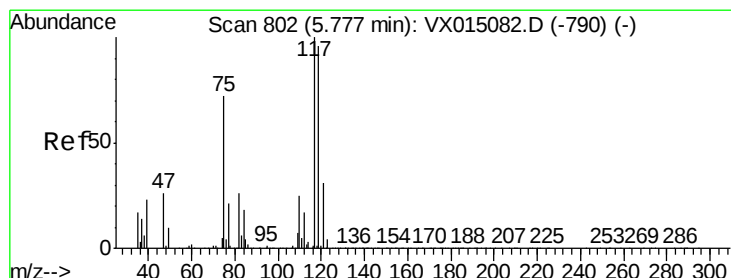
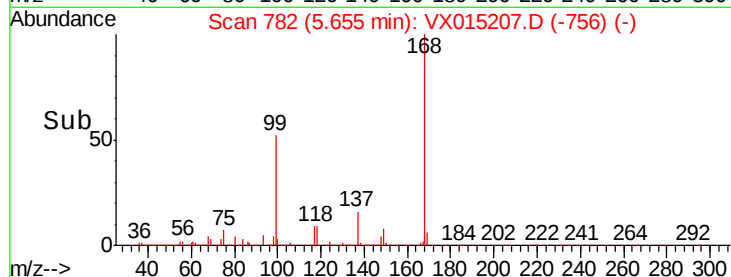
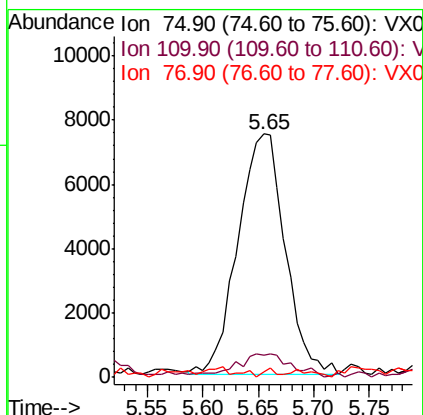
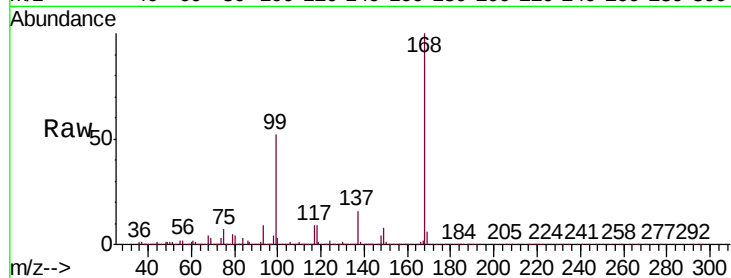




#36
 1,1-Dichloropropene
 Concen: 4.424 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015207.D
 Acq: 11 Mar 2020 17:40

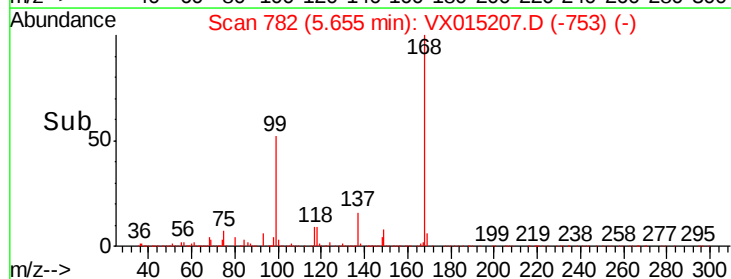
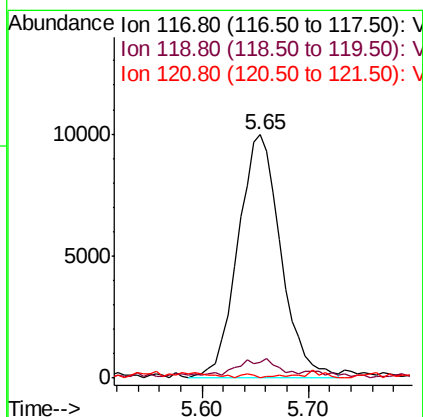
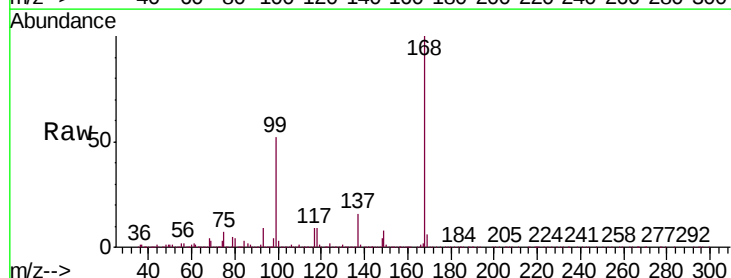
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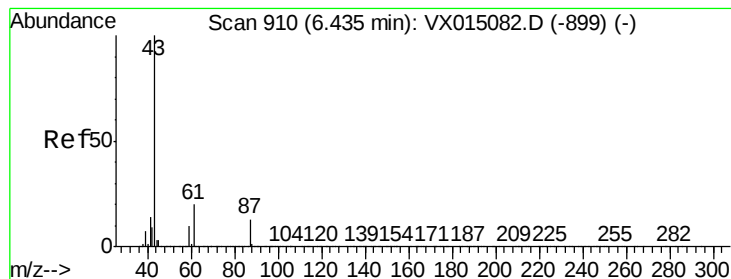
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	17.9	53.8#
77	1.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.976 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015207.D
 Acq: 11 Mar 2020 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.9	115.3#
121	0.5	24.6	37.0#





#43

Isopropyl Acetate

Concen: 10.276 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#16

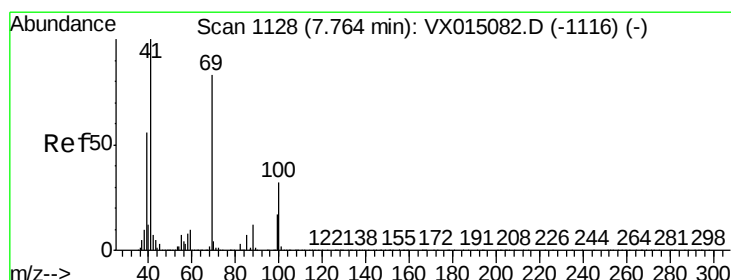
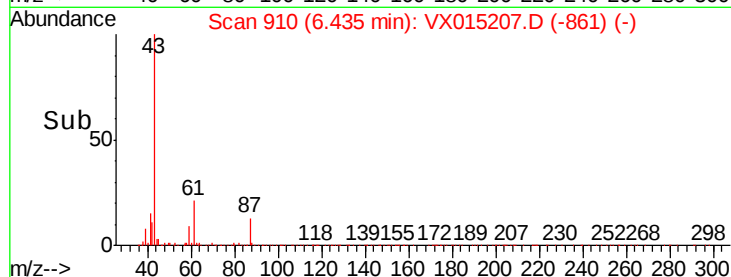
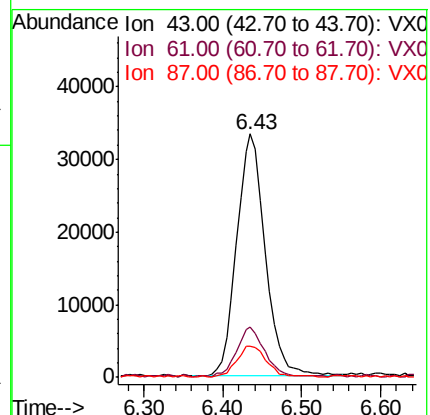
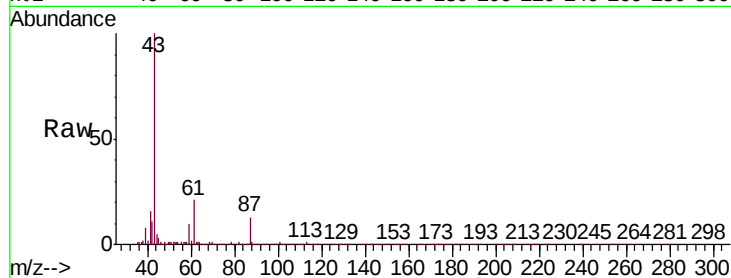
Tgt Ion: 43 Resp: 83701

Ion Ratio Lower Upper

43 100

61 19.5 16.1 24.1

87 12.7 10.6 16.0



#48

Methyl methacrylate

Concen: 37.278 ug/l

RT: 7.87 min Scan# 1145

Delta R.T. 0.10 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

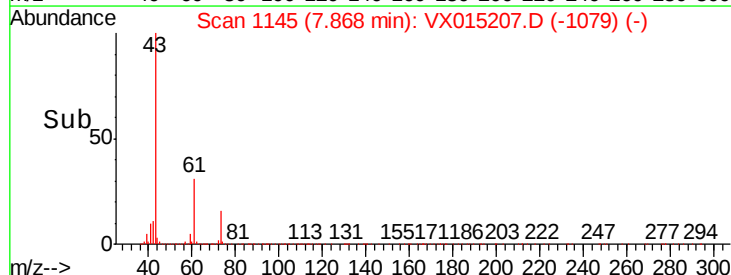
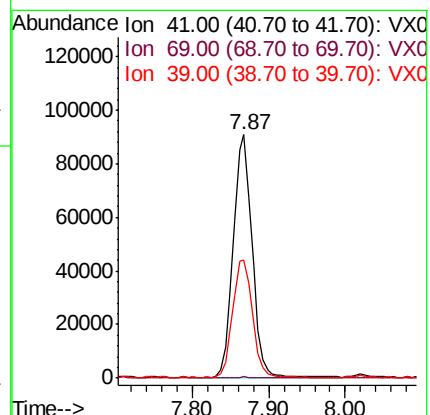
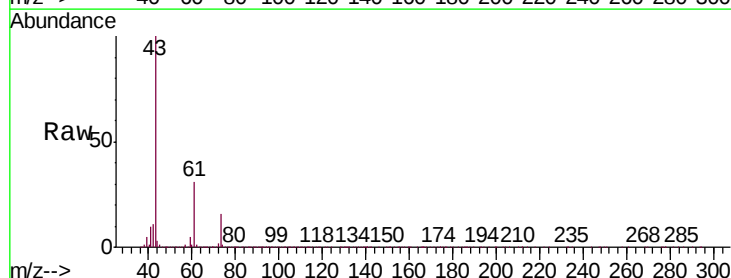
Tgt Ion: 41 Resp: 154537

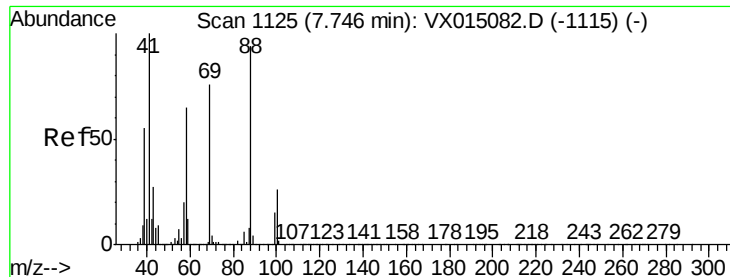
Ion Ratio Lower Upper

41 100

69 0.2 65.4 98.2#

39 50.3 44.6 67.0

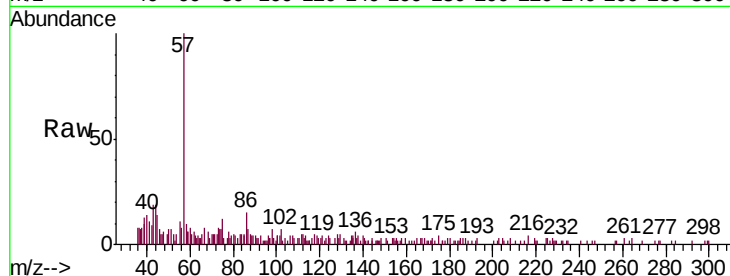




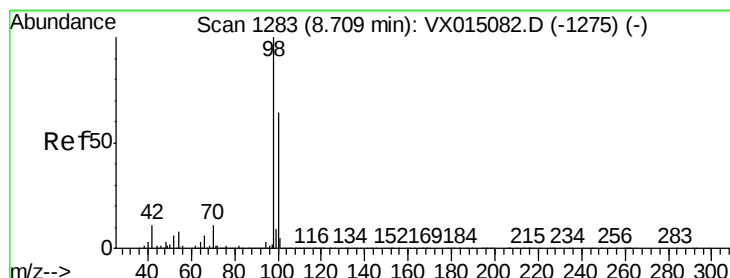
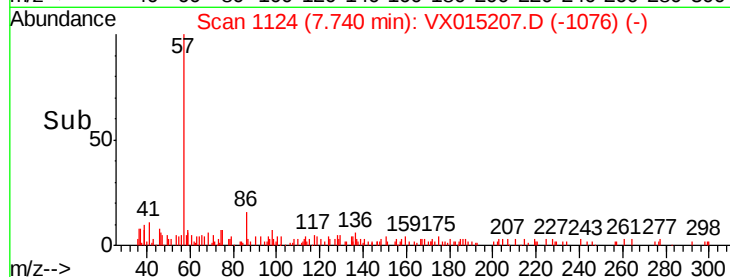
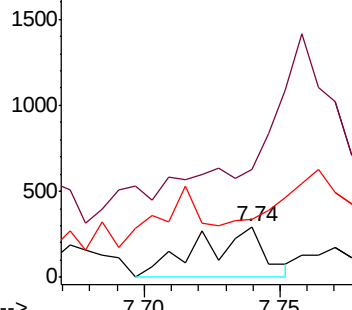
#49
1,4-Dioxane
Concen: 5.478 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#16

Tgt Ion: 88 Resp: 491
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 55.6 83.4#

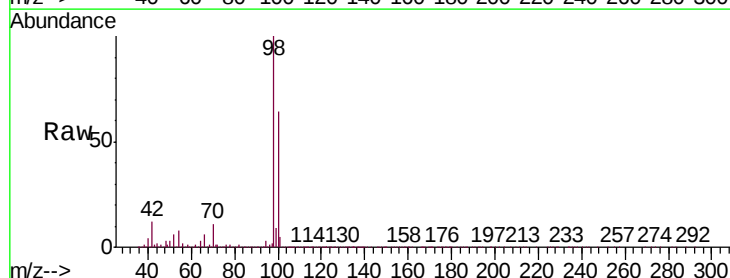


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

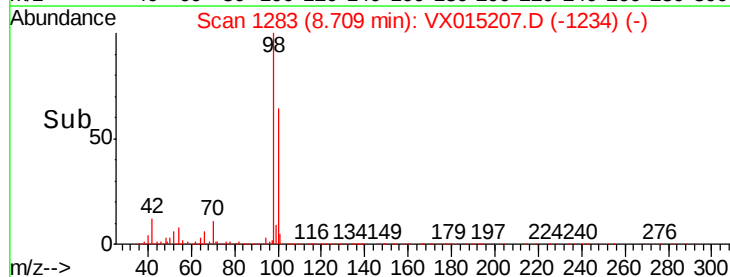
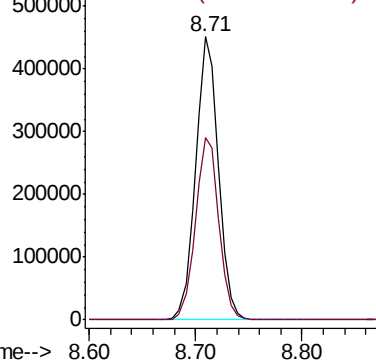


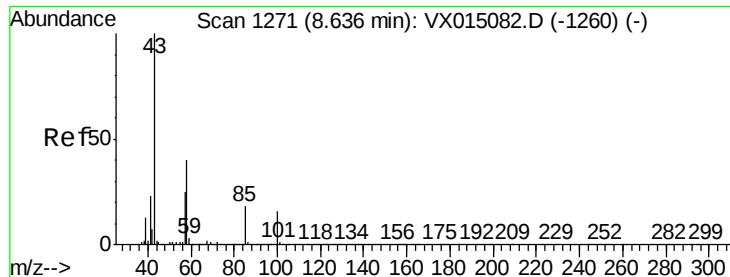
#50
Toluene-d8
Concen: 52.000 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

Tgt Ion: 98 Resp: 673732
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 18.429 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

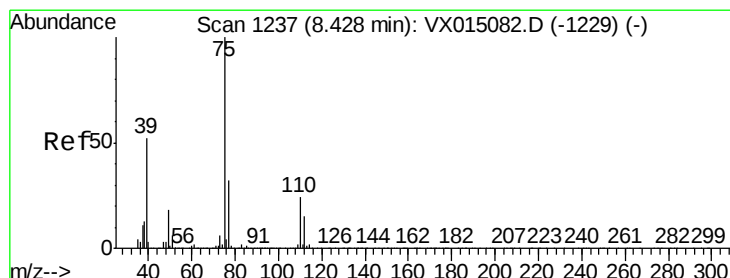
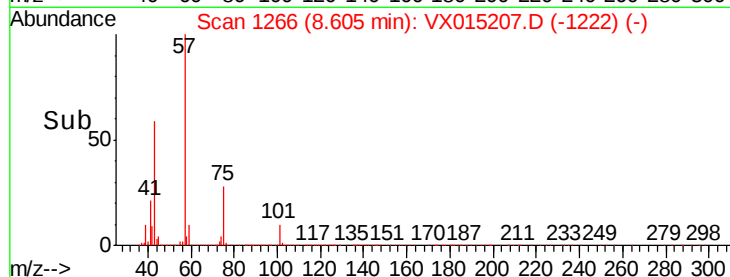
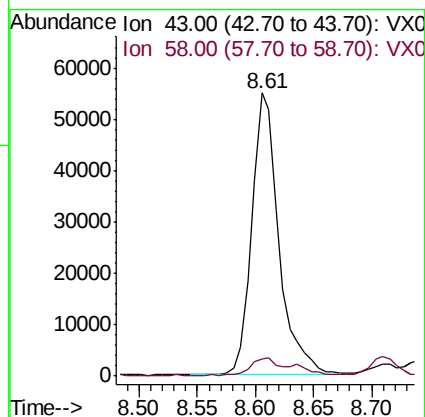
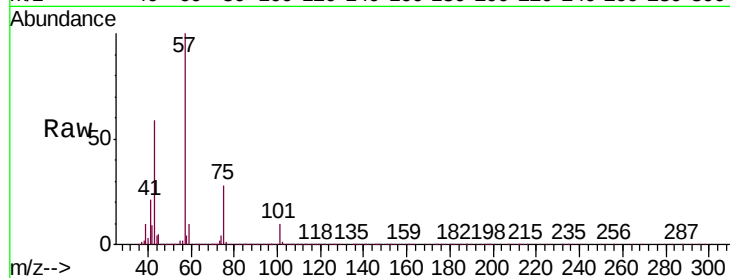
PB127431ZHE#16

Tgt Ion: 43 Resp: 88752

Ion Ratio Lower Upper

43 100

58 9.3 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 6.917 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

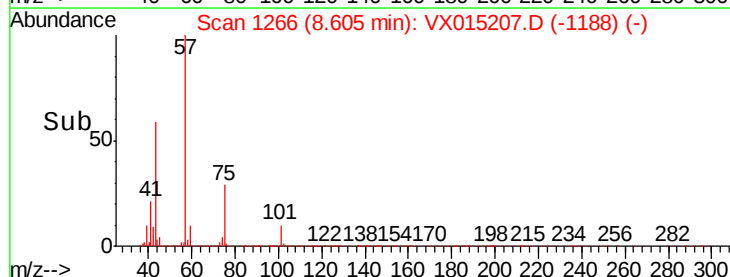
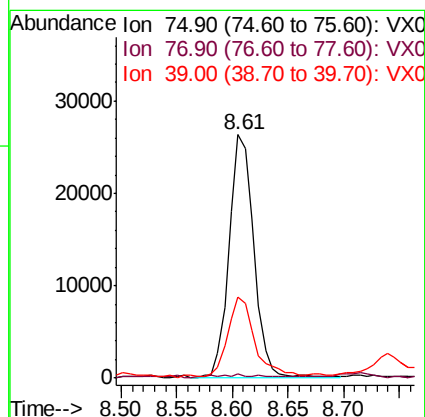
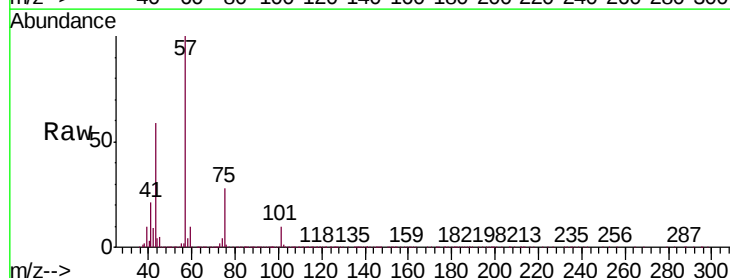
Tgt Ion: 75 Resp: 41106

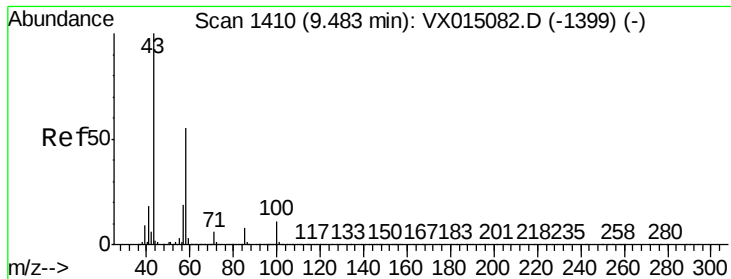
Ion Ratio Lower Upper

75 100

77 1.1 25.8 38.6#

39 32.5 41.3 61.9#

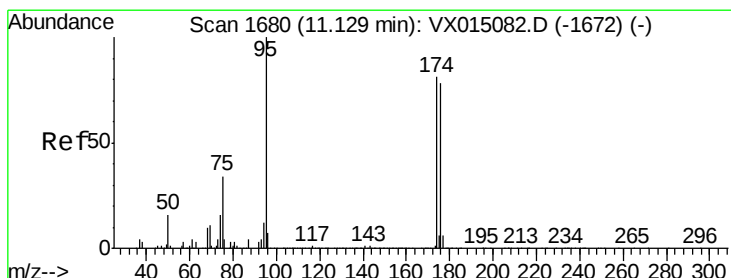
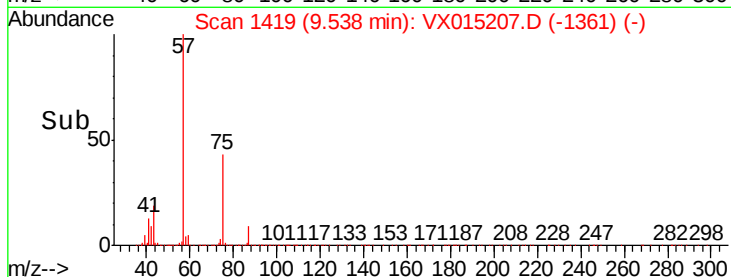
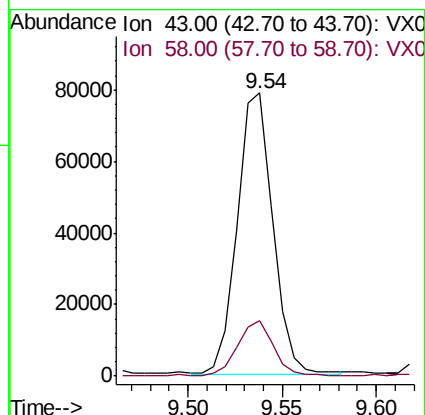
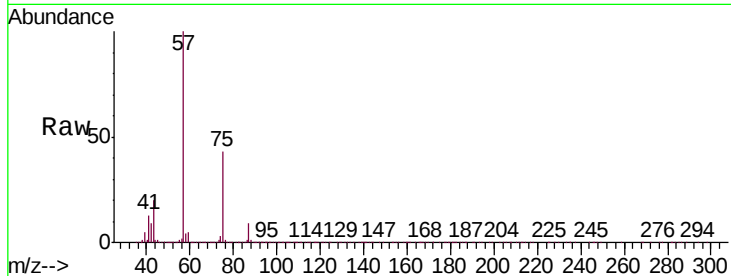




#59
2-Hexanone
Concen: 29.075 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

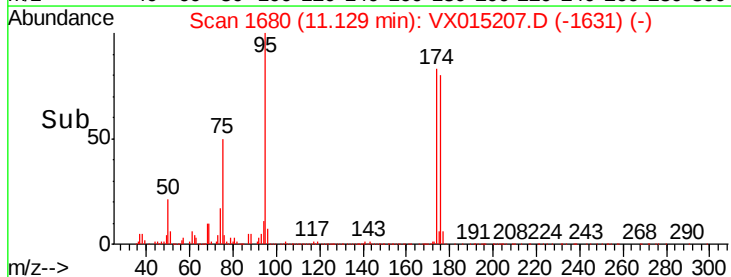
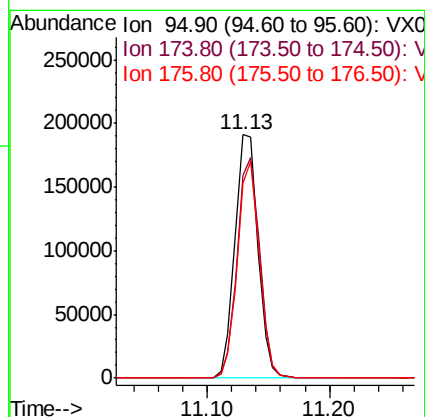
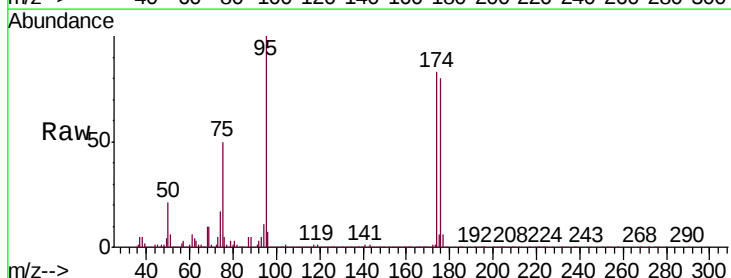
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#16

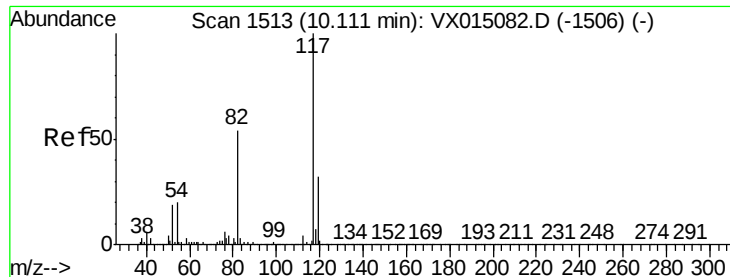
Tgt Ion: 43 Resp: 103780
Ion Ratio Lower Upper
43 100
58 19.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 53.599 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

Tgt Ion: 95 Resp: 247703
Ion Ratio Lower Upper
95 100
174 88.7 0.0 177.6
176 85.5 0.0 170.2

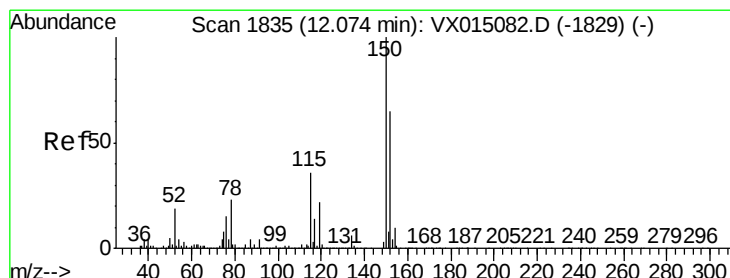
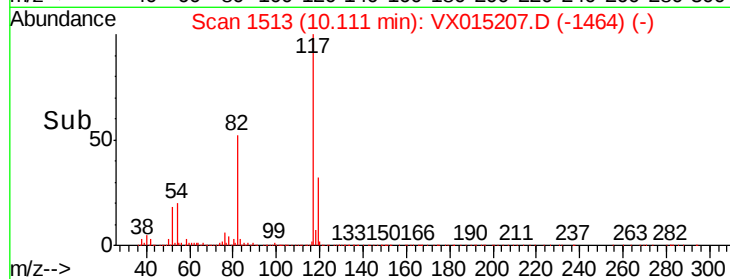
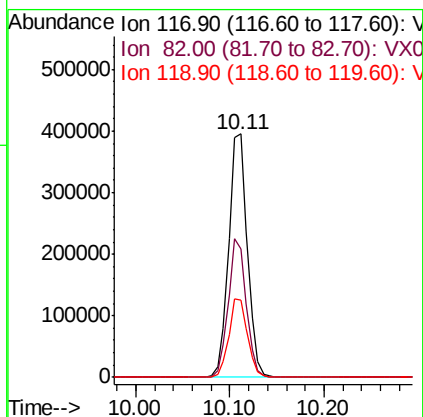
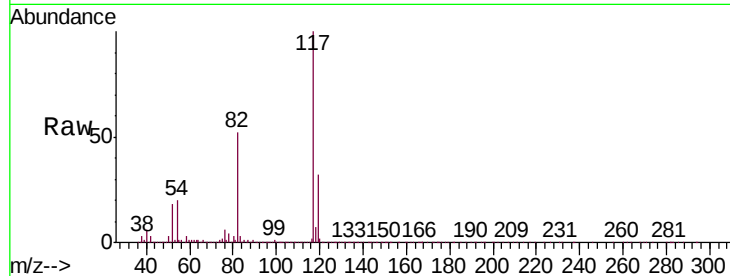




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

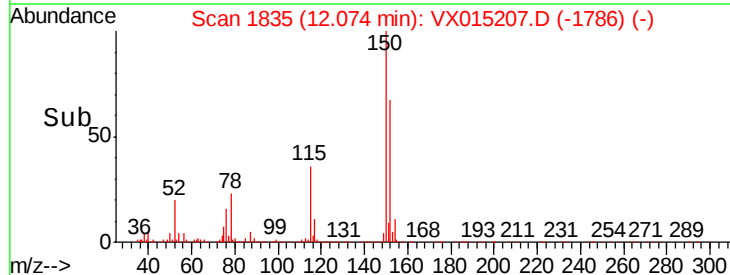
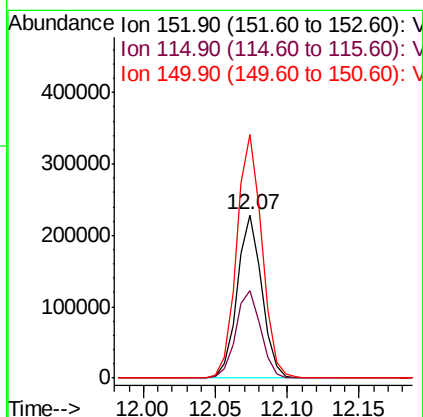
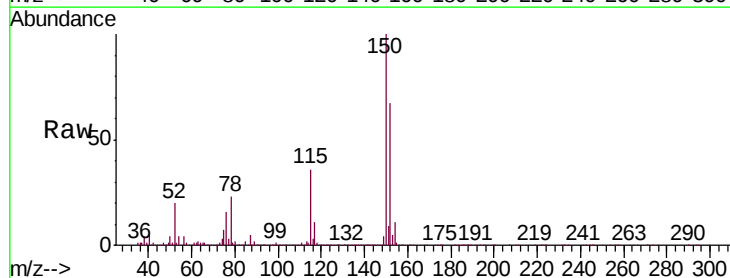
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#16

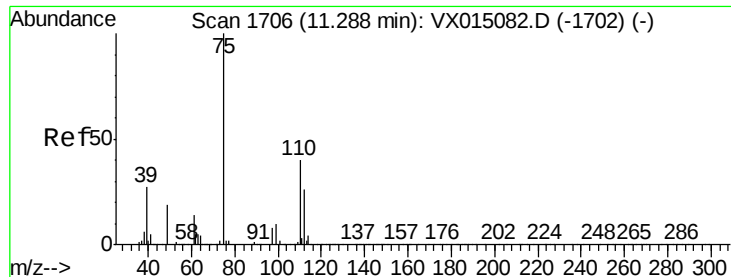
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.3	64.9
119	31.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015207.D
Acq: 11 Mar 2020 17:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.2	114.6
150	152.9	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.589 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

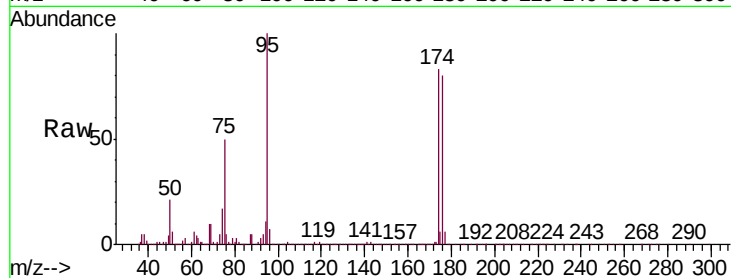
PB127431ZHE#16

Tgt Ion: 75 Resp: 122551

Ion Ratio Lower Upper

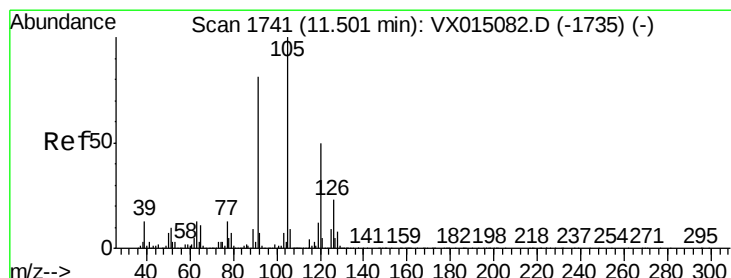
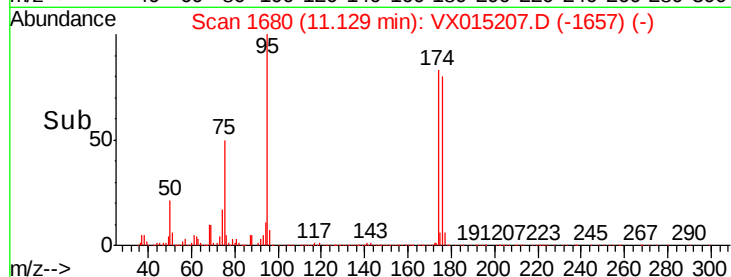
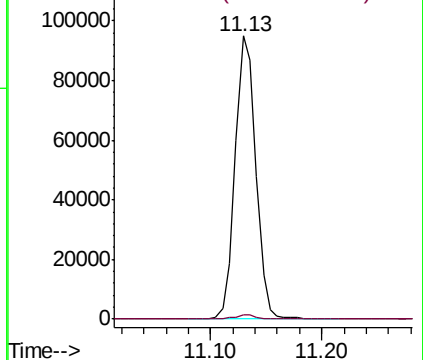
75 100

77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.771 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015207.D

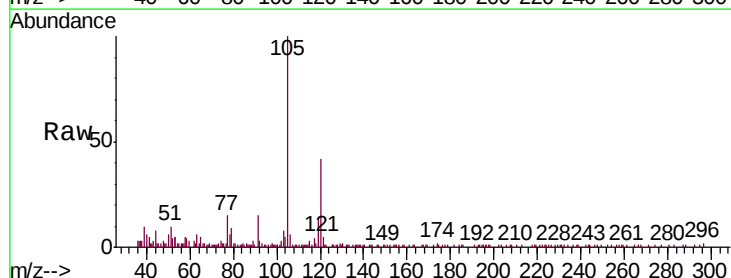
Acq: 11 Mar 2020 17:40

Tgt Ion: 105 Resp: 11147

Ion Ratio Lower Upper

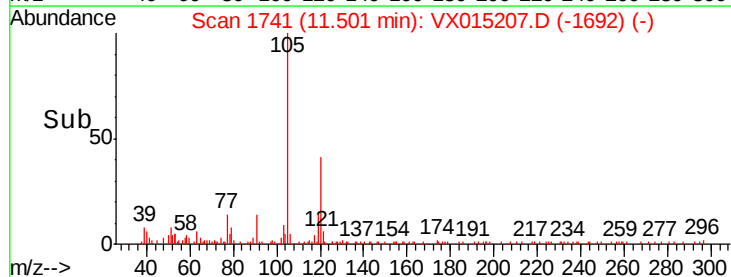
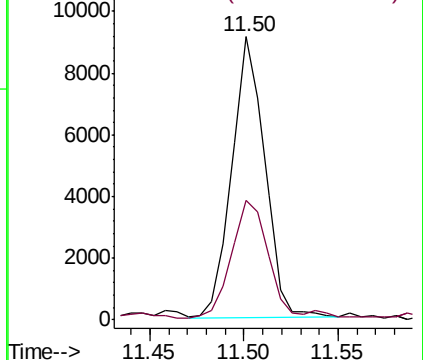
105 100

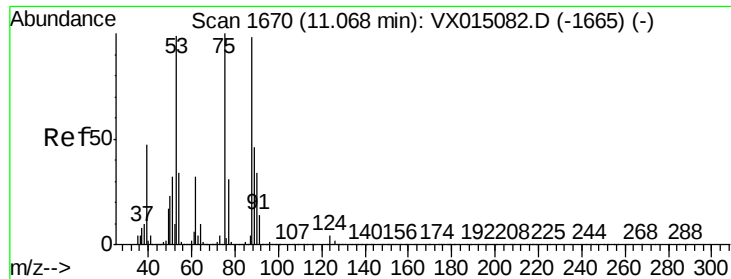
120 46.2 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.107 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#16

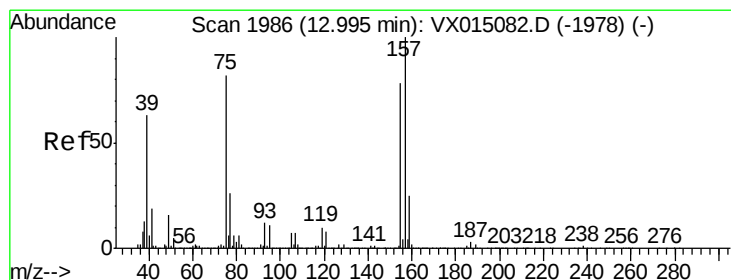
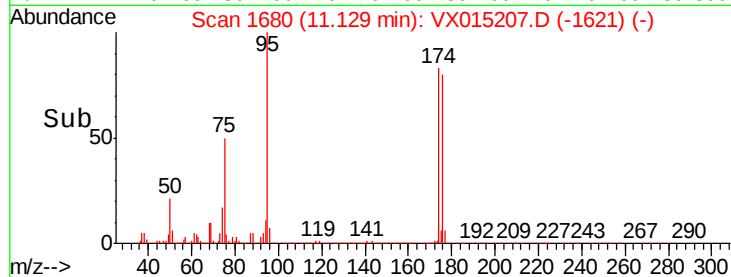
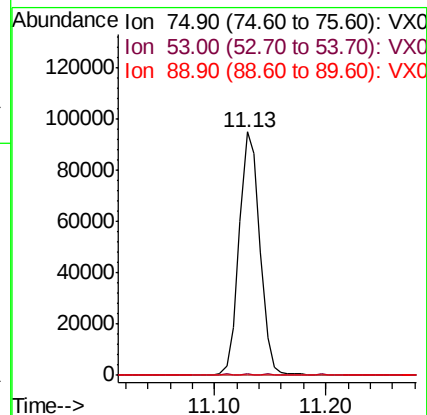
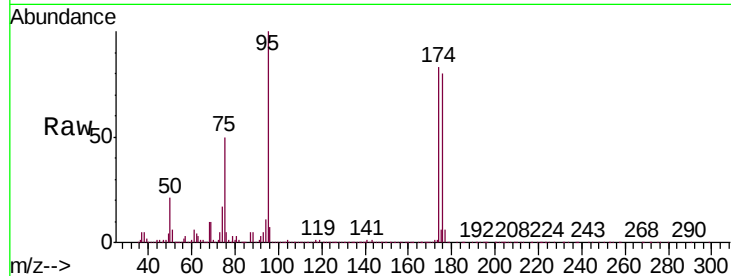
Tgt Ion: 75 Resp: 122551

Ion Ratio Lower Upper

75 100

53 0.4 77.9 116.9#

89 0.0 36.2 54.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.275 ug/l

RT: 13.26 min Scan# 2029

Delta R.T. 0.26 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

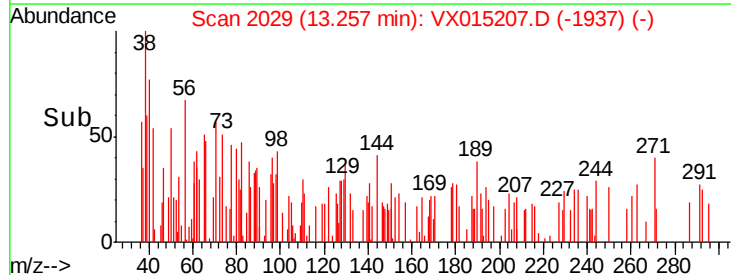
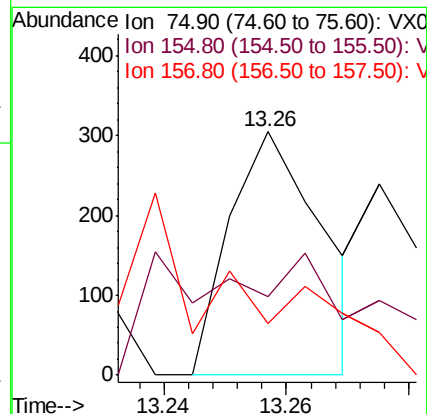
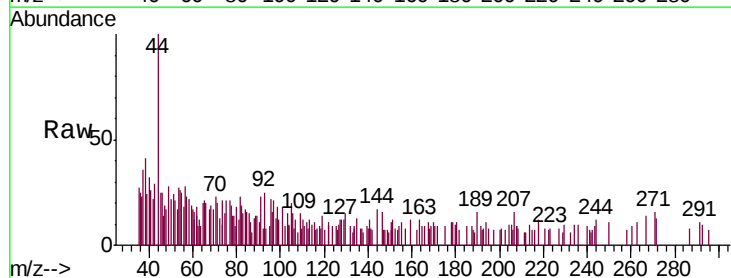
Tgt Ion: 75 Resp: 319

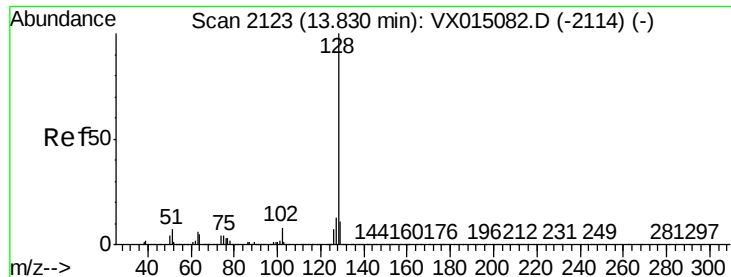
Ion Ratio Lower Upper

75 100

155 78.7 46.6 139.7

157 146.4 59.2 177.5





#95

Naphthalene

Concen: 1.452 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015207.D

Acq: 11 Mar 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#16

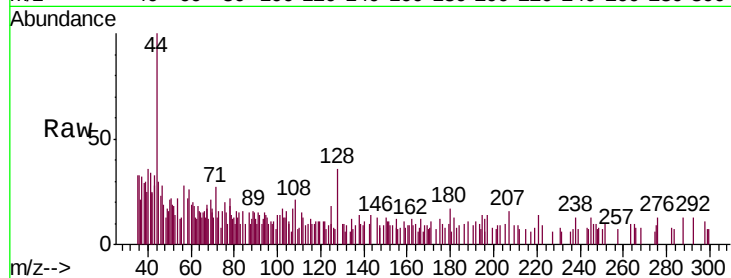
Tgt Ion:128 Resp: 587

Ion Ratio Lower Upper

128 100

127 16.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

