

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018413.D
 Acq On : 15 Sep 2020 17:39
 Operator : JC/SP
 Sample : PB131607ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#04

Quant Time: Sep 16 03:37:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	427267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	706889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	705393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	344144	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	321020	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	
35) Dibromofluoromethane	5.47	113	248340	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	8.70	98	897532	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.12	95	336568	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	

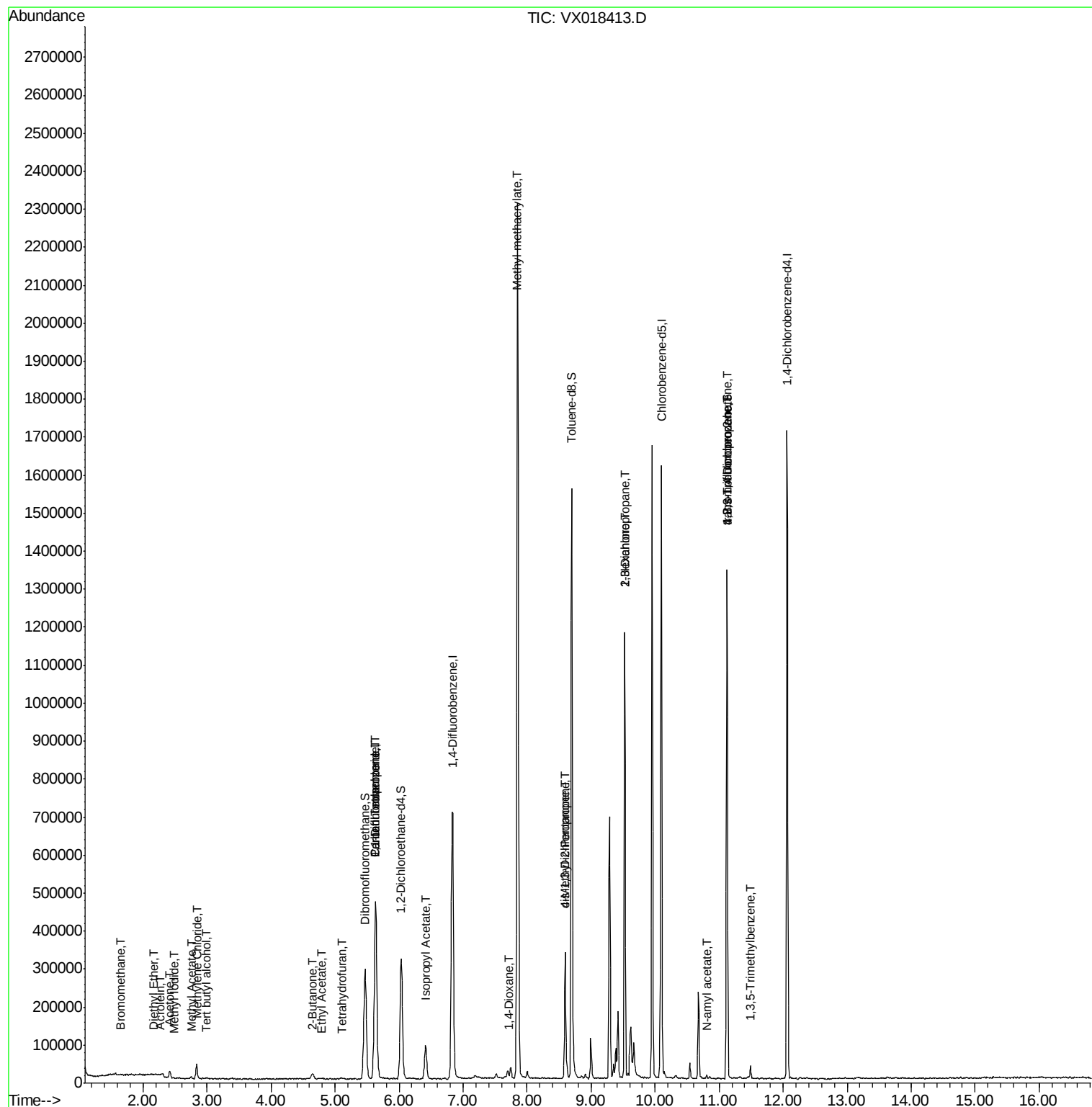
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	927	0.352	ug/l #	51
8) Diethyl Ether	2.17	74	1088	0.431	ug/l	90
10) Methyl Iodide	2.50	142	192	5.326	ug/l #	38
11) Tert butyl alcohol	3.00	59	2307	2.000	ug/l #	84
13) Acrolein	2.26	56	177	0.370	ug/l #	1
16) Acetone	2.42	43	21137	9.145	ug/l	92
18) Methyl Acetate	2.75	43	7874	1.412	ug/l	94
20) Methylene Chloride	2.84	84	17287	2.550	ug/l	90
25) 2-Butanone	4.64	43	7540	1.985	ug/l	95
29) Tetrahydrofuran	5.10	42	2311	0.956	ug/l #	63
36) 1,1-Dichloropropene	5.63	75	35011	5.370	ug/l #	51
37) Ethyl Acetate	4.80	43	1580	0.209	ug/l #	92
38) Carbon Tetrachloride	5.64	117	45161	6.146	ug/l #	18
43) Isopropyl Acetate	6.42	43	119139	9.741	ug/l	98
48) Methyl methacrylate	7.85	41	203677	33.451	ug/l #	45
49) 1,4-Dioxane	7.71	88	132	1.197	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	120132	15.900	ug/l #	53
54) cis-1,3-Dichloropropene	8.59	75	50684	5.954	ug/l #	65
57) 1,3-Dichloropropane	9.52	76	10157	1.189	ug/l #	46
59) 2-Hexanone	9.52	43	132800	23.116	ug/l #	54
74) N-amyl acetate	10.81	43	5294	0.492	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	173986	22.727	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	14392	0.772	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	173986	61.381	ug/l #	12

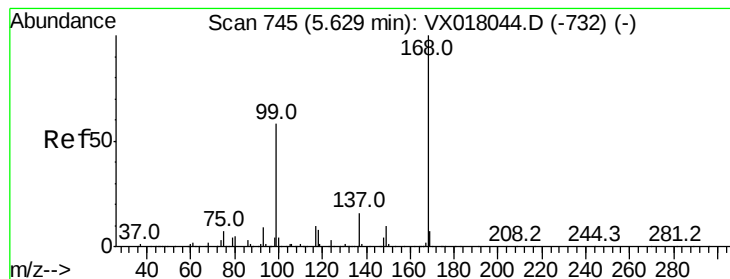
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091520\
Data File : VX018413.D
Acq On : 15 Sep 2020 17:39
Operator : JC/SP
Sample : PB131607ZHE#04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#04

Quant Time: Sep 16 03:37:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

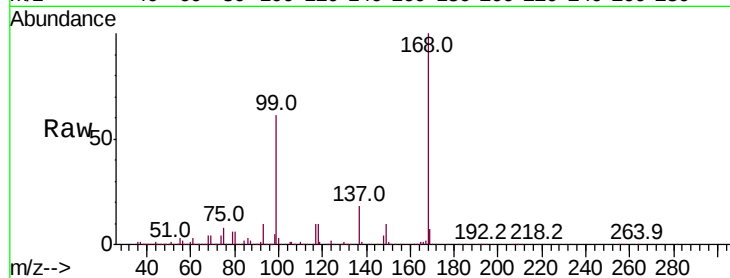
PB131607ZHE#04

Tot Ion:168 Resp: 427267

Ion Ratio Lower Upper

168 100

99 60.5 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

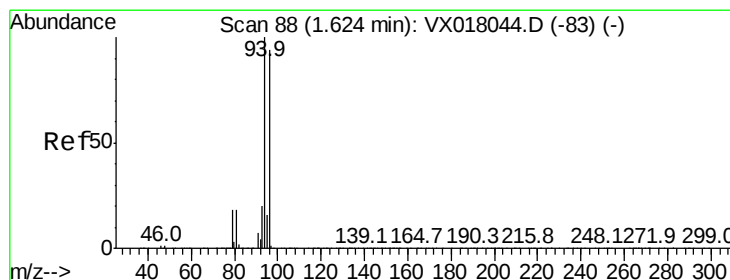
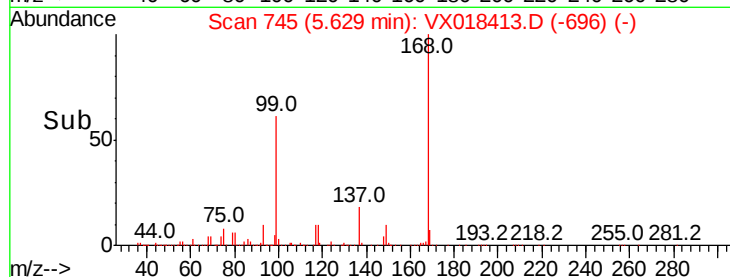
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.352 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018413.D

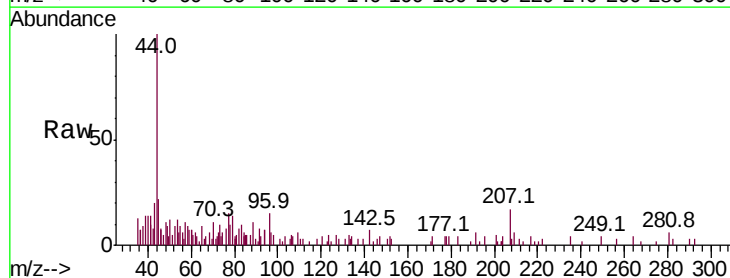
Acq: 15 Sep 2020 17:39

Tgt Ion: 94 Resp: 927

Ion Ratio Lower Upper

94 100

96 46.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

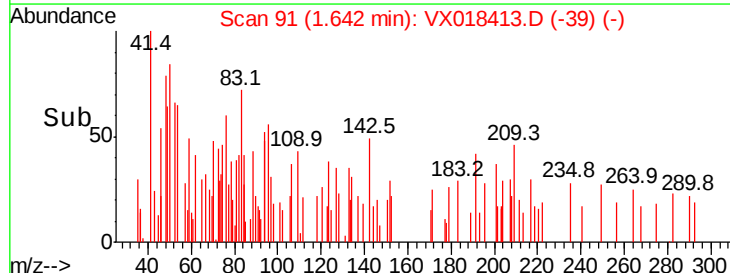
300

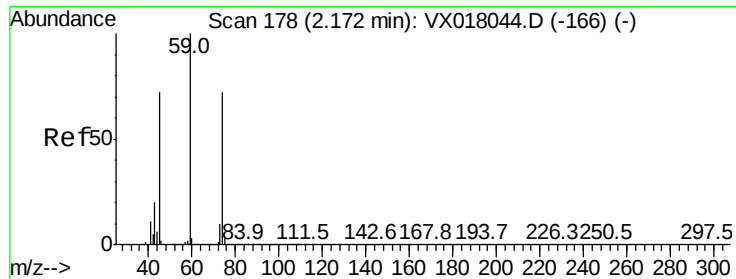
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.431 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

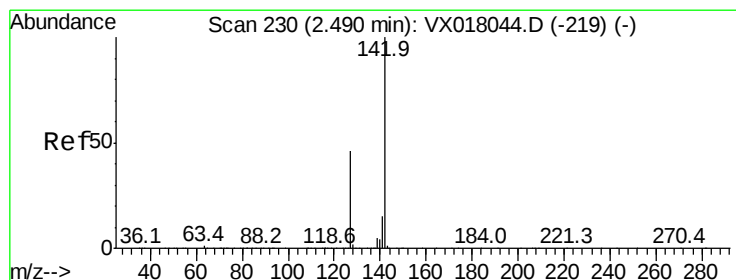
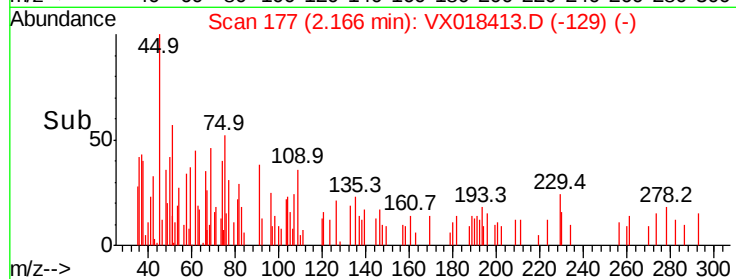
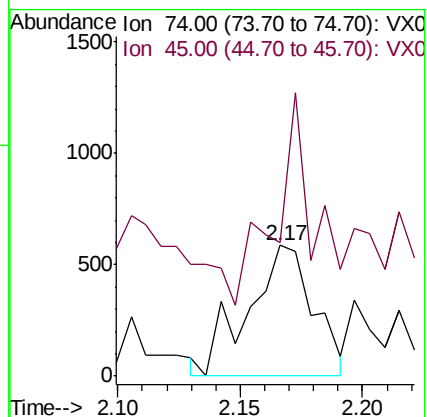
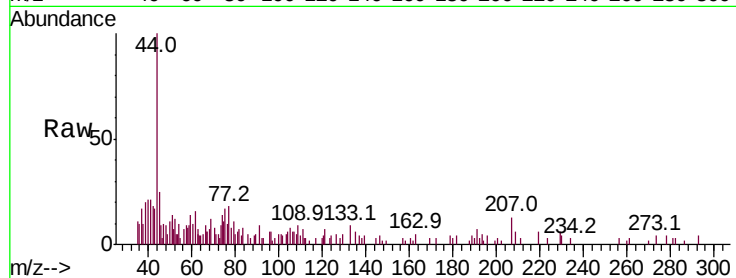
PB131607ZHE#04

Tot Ion: 74 Resp: 1088

Ion Ratio Lower Upper

74 100

45 91.9 50.7 152.3



#10

Methyl Iodide

Concen: 5.326 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

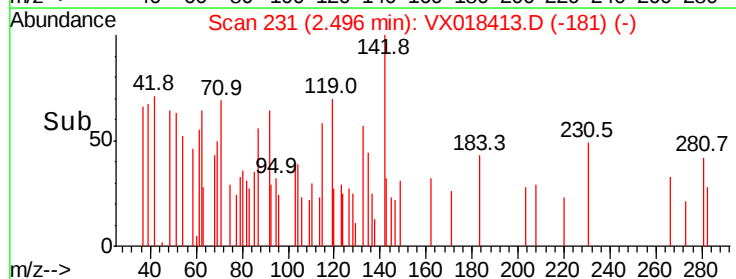
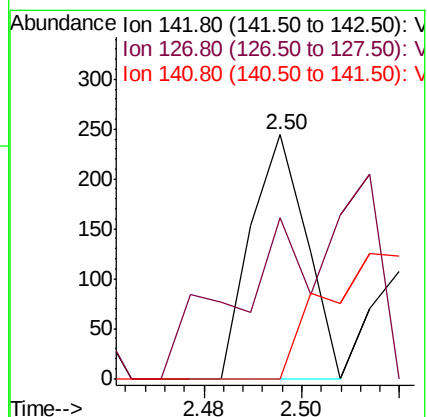
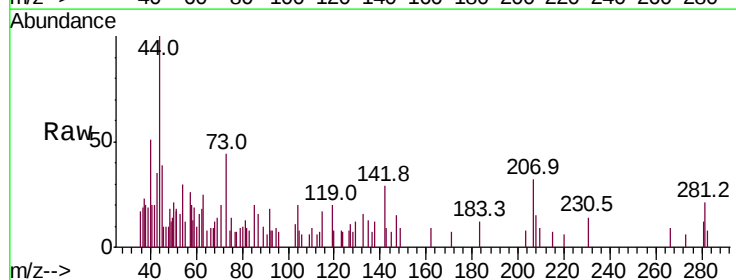
Tgt Ion: 142 Resp: 192

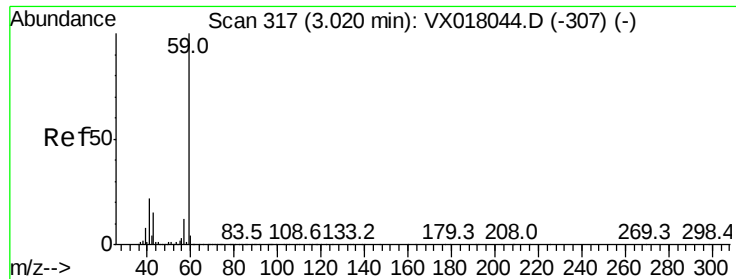
Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 0.0 11.5 17.3#

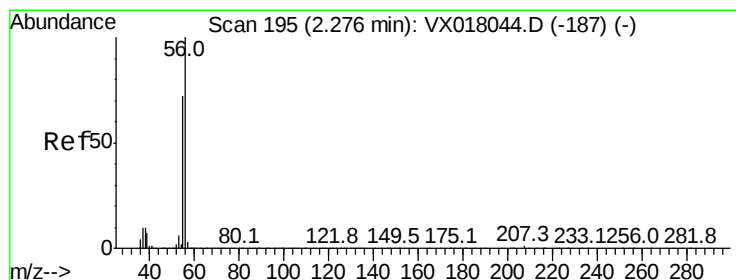
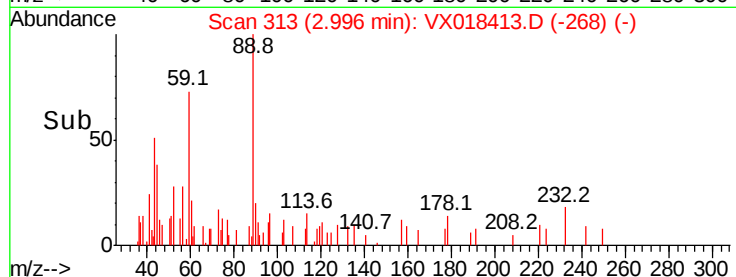
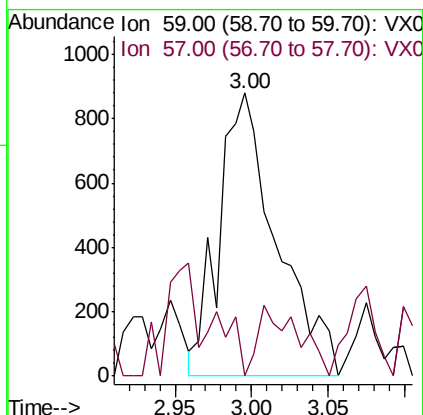
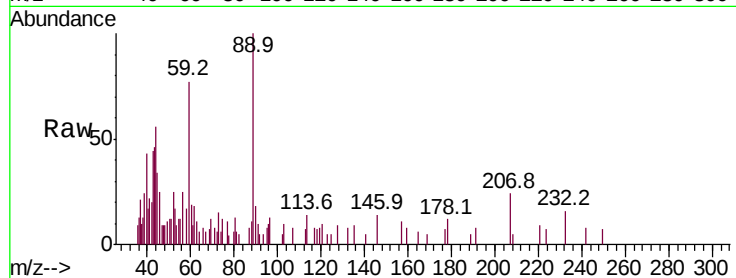




#11
Tert butyl alcohol
Concen: 2.000 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

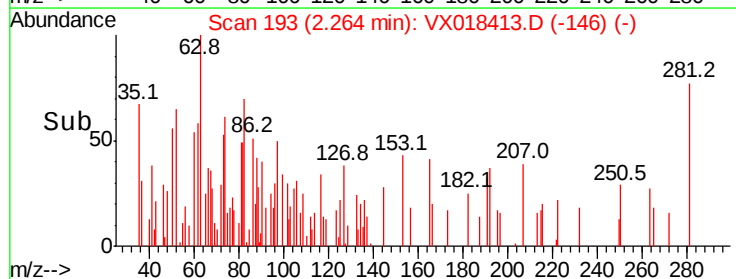
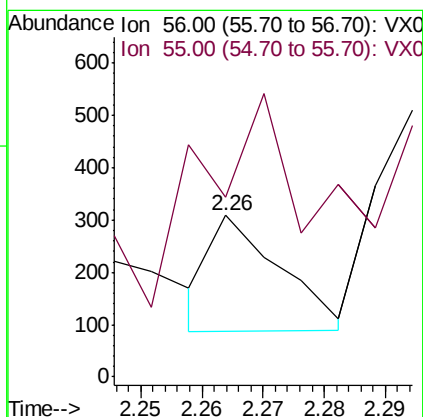
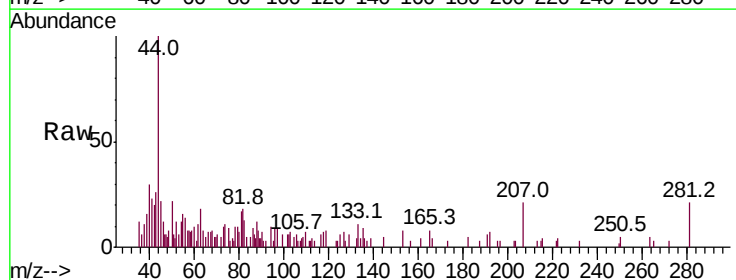
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#04

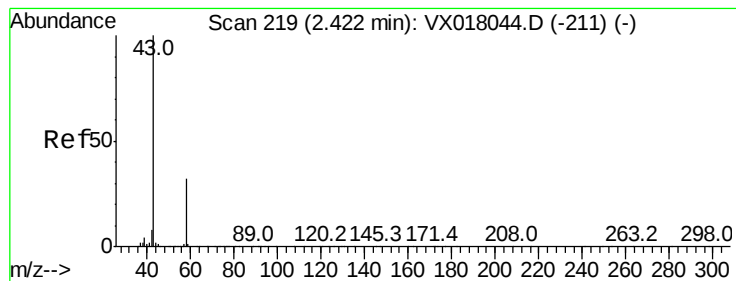
Tot Ion: 59 Resp: 2307
Ion Ratio Lower Upper
59 100
57 17.1 8.9 13.3#



#13
Acrolein
Concen: 0.370 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 302.8 57.0 85.6#





#16

Acetone

Concen: 9.145 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

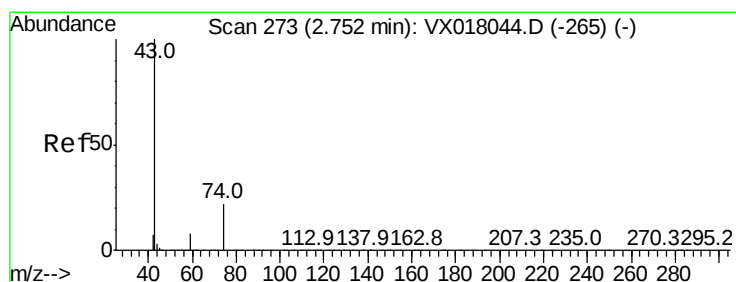
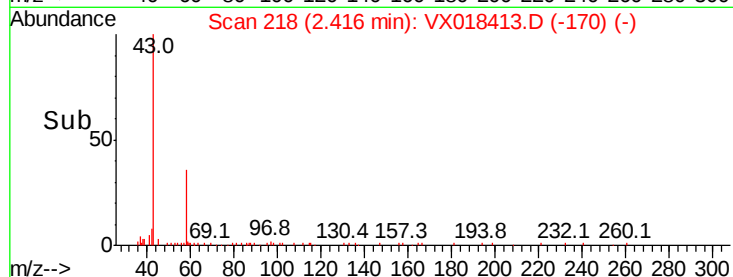
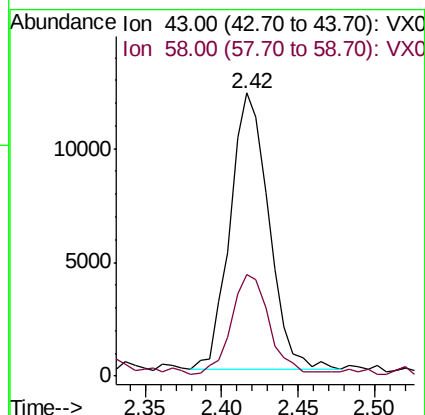
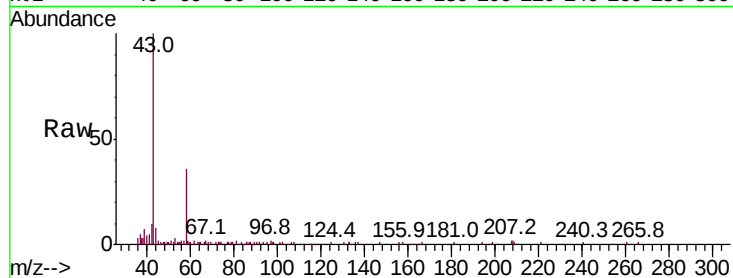
PB131607ZHE#04

Tot Ion: 43 Resp: 21137

Ion Ratio Lower Upper

43 100

58 36.4 25.5 38.3



#18

Methyl Acetate

Concen: 1.412 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX018413.D

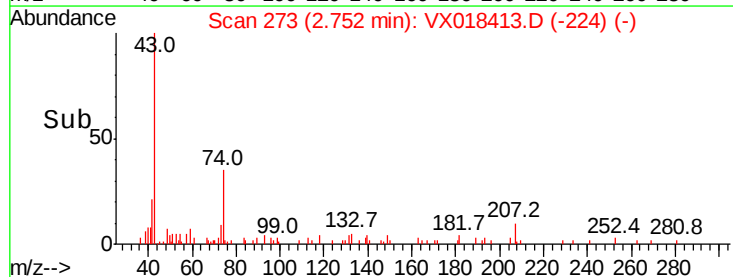
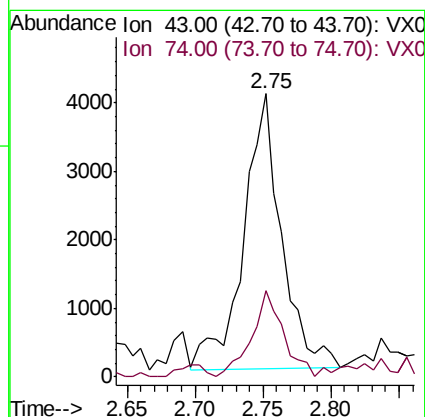
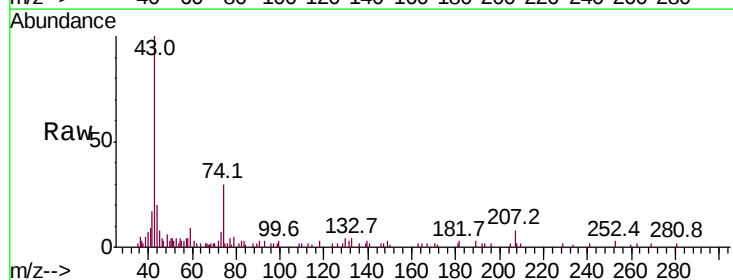
Acq: 15 Sep 2020 17:39

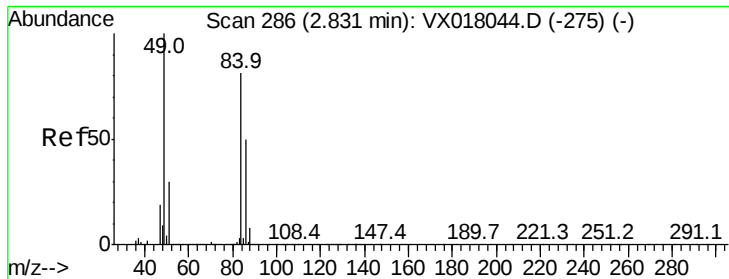
Tgt Ion: 43 Resp: 7874

Ion Ratio Lower Upper

43 100

74 25.9 18.2 27.4





#20

Methylene Chloride

Concen: 2.550 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#04

Tot Ion: 84 Resp: 17287

Ion	Ratio	Lower	Upper
84	100		
49	138.3	98.6	148.0
51	42.2	29.6	44.4
86	64.5	49.8	74.6

Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

20000

15000

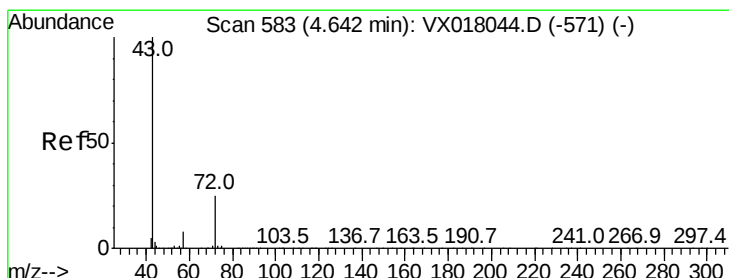
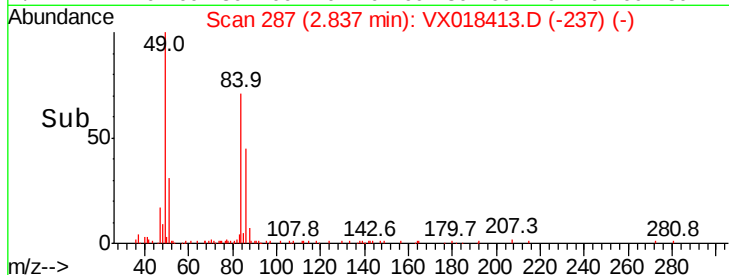
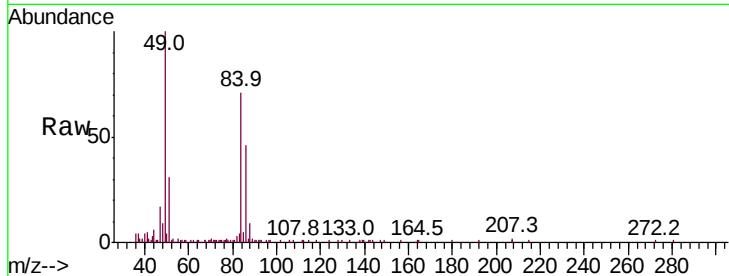
10000

5000

0

2.75 2.80 2.85 2.90

Time-->



#25

2-Butanone

Concen: 1.985 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Tgt Ion: 43 Resp: 7540

Ion	Ratio	Lower	Upper
43	100		
72	22.4	19.8	29.6

Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

3000

2500

2000

1500

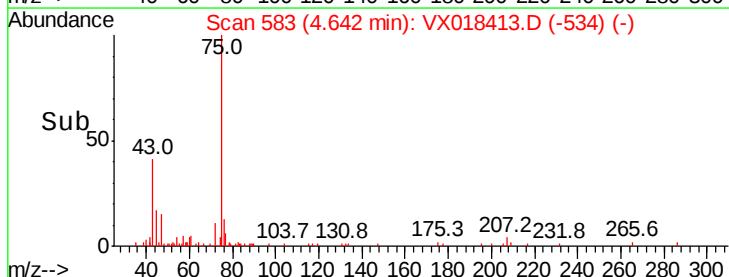
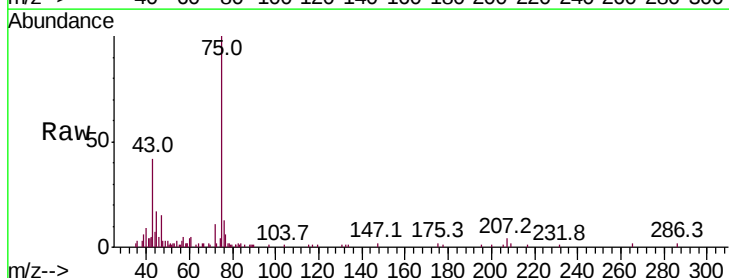
1000

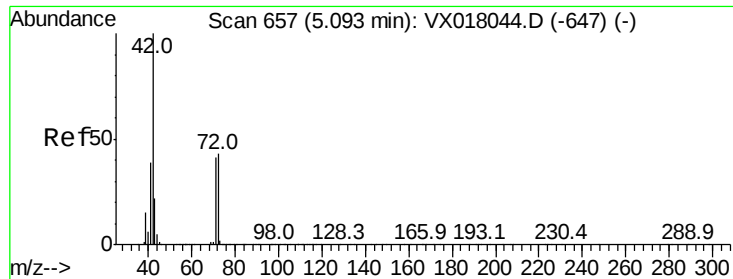
500

0

4.55 4.60 4.65 4.70

Time-->





#29

Tetrahydrofuran

Concen: 0.956 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#04

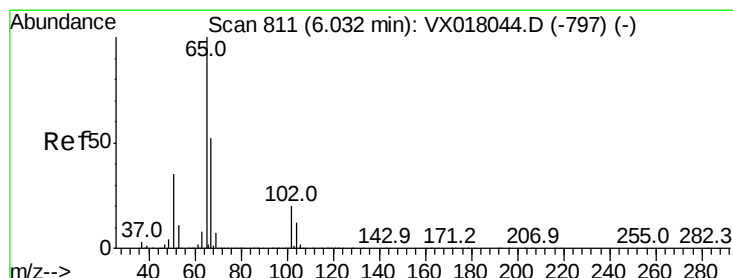
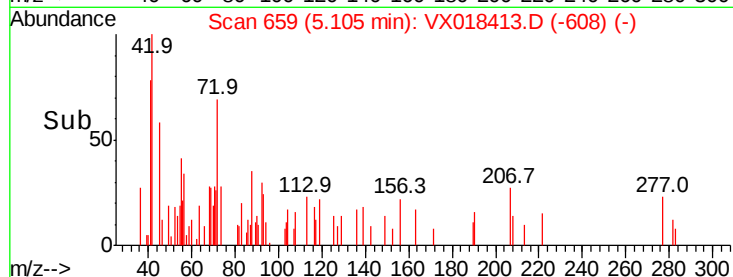
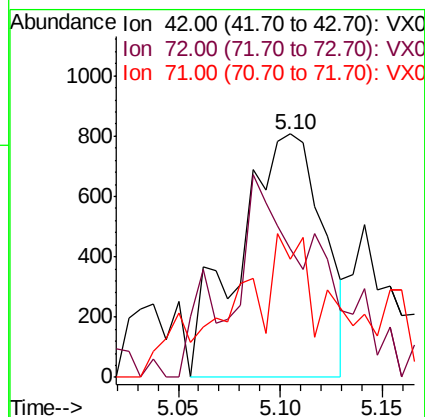
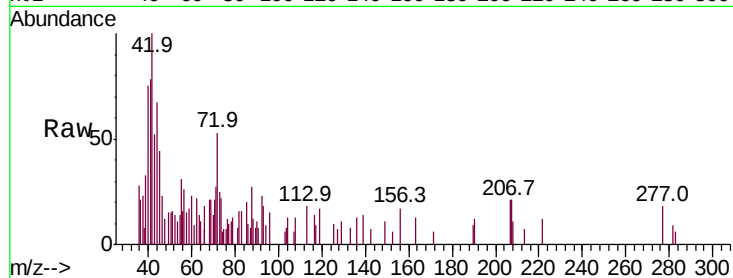
Tot Ion: 42 Resp: 2311

Ion Ratio Lower Upper

42 100

72 76.1 34.2 51.4#

71 52.6 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 54.121 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018413.D

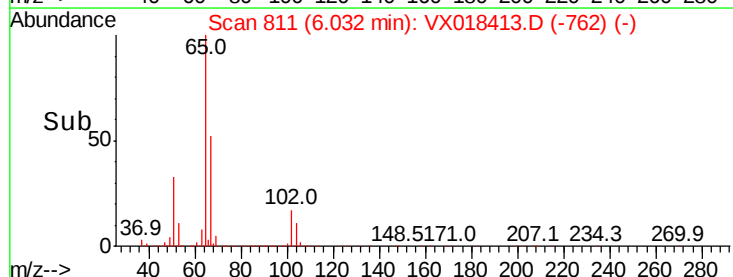
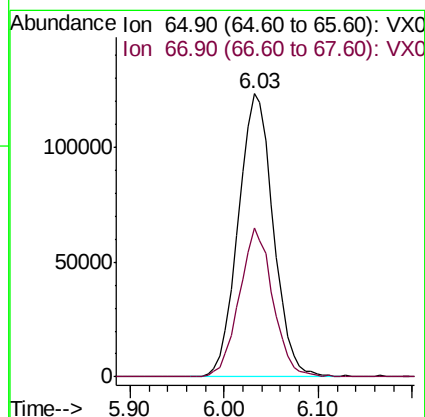
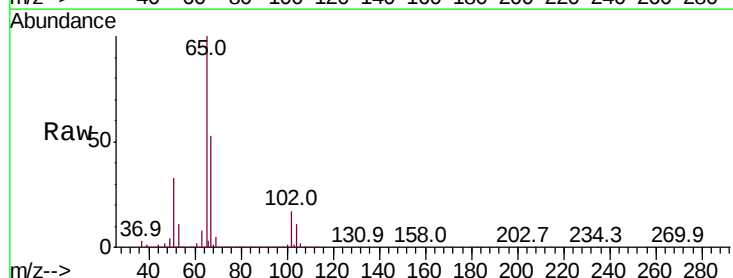
Acq: 15 Sep 2020 17:39

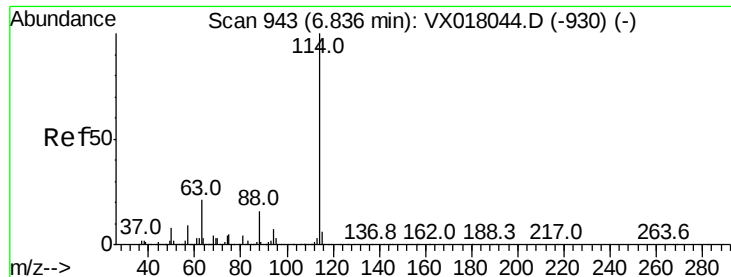
Tgt Ion: 65 Resp: 321020

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#04

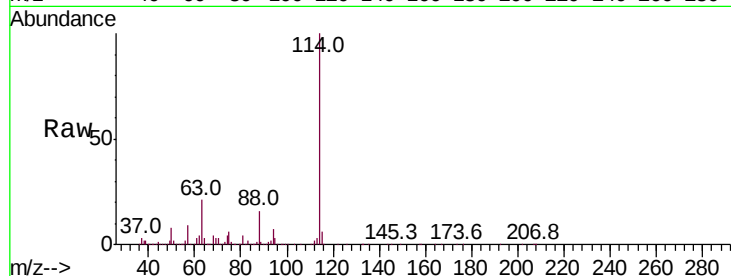
Tot Ion:114 Resp: 706889

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

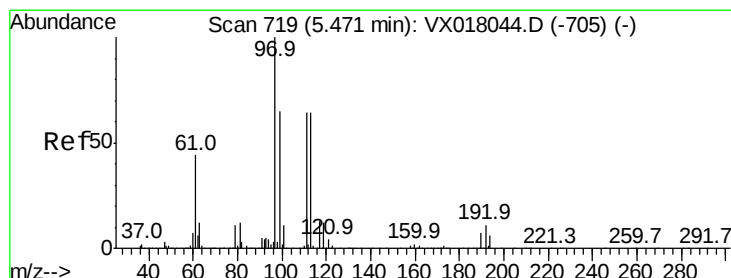
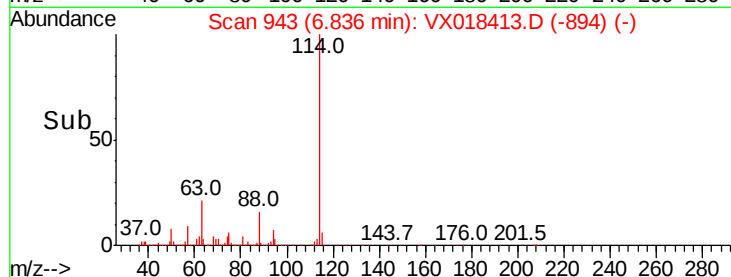
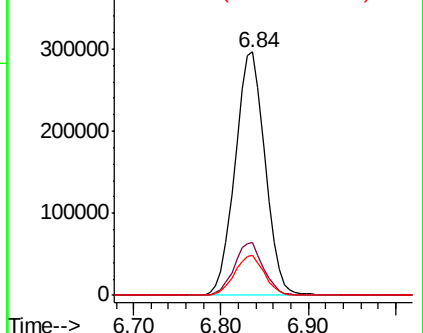
88 16.2 0.0 31.8



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: 51.584 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

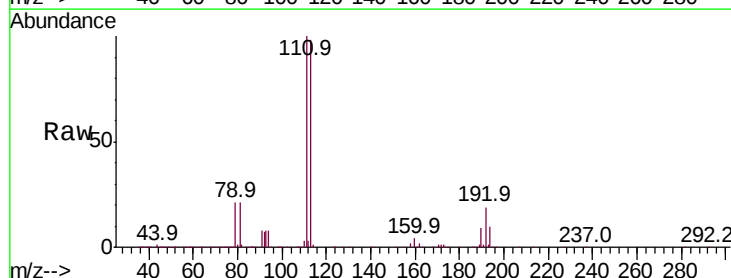
Tgt Ion:113 Resp: 248340

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

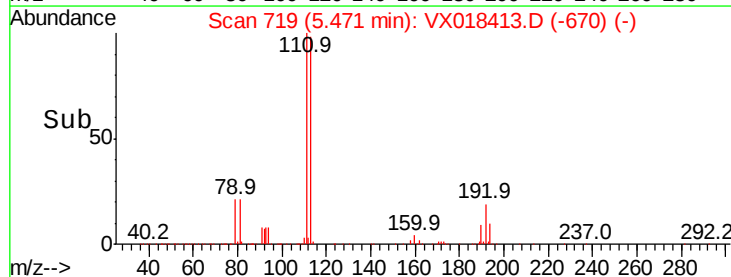
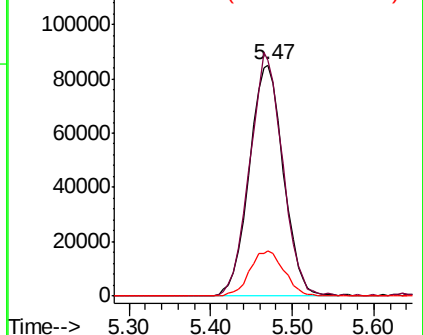
192 19.7 15.8 23.8

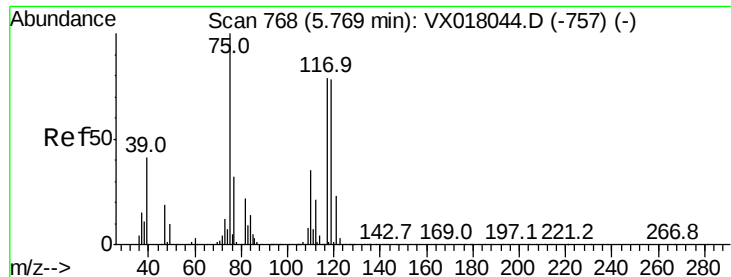


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.370 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#04

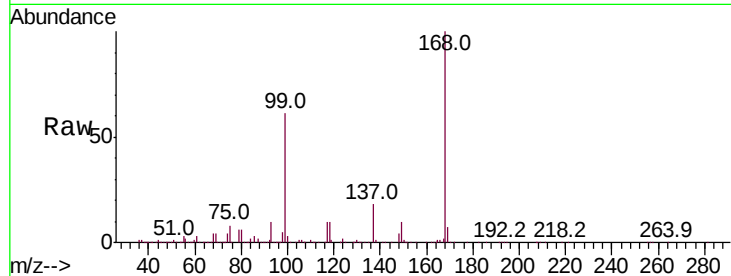
Tot Ion: 75 Resp: 35011

Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

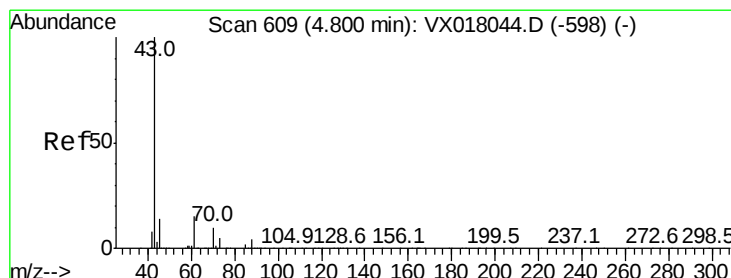
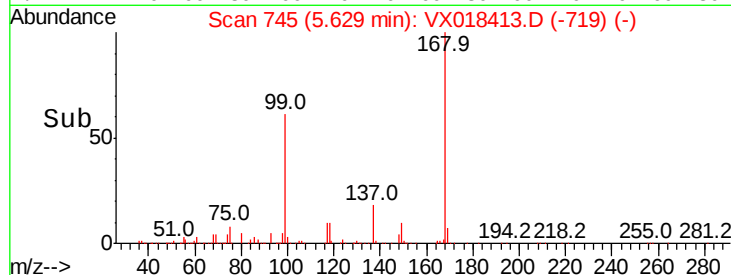
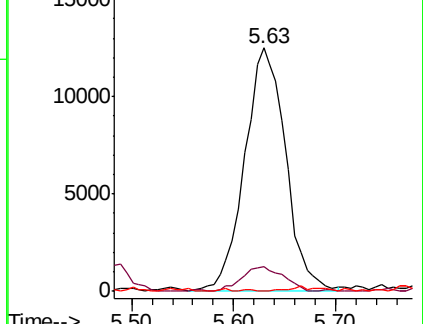
77 0.2 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.209 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.00 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

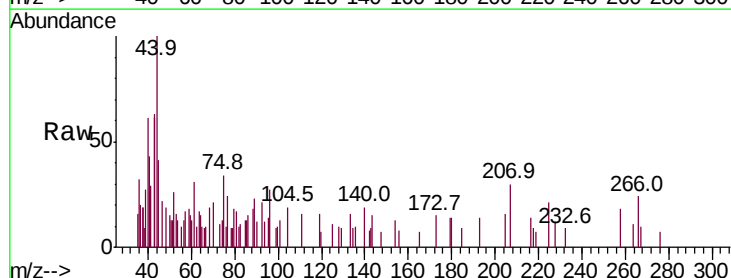
Tgt Ion: 43 Resp: 1580

Ion Ratio Lower Upper

43 100

61 18.6 11.3 16.9#

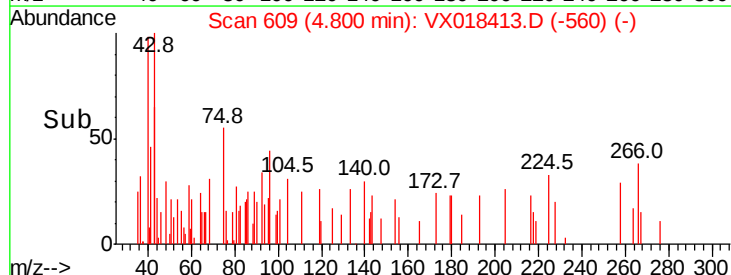
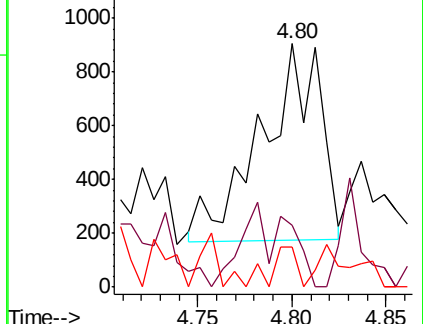
70 8.9 8.2 12.4

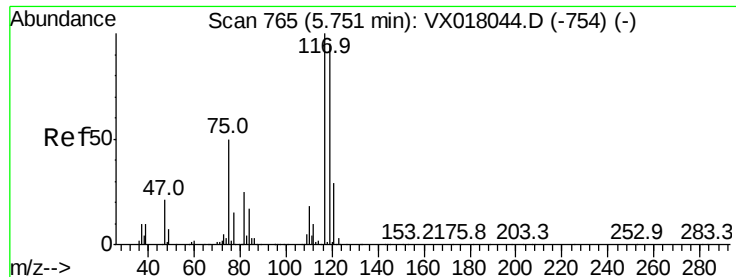


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.146 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#04

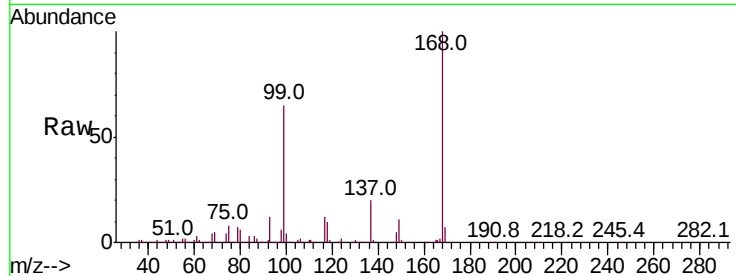
Tot Ion:117 Resp: 45161

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

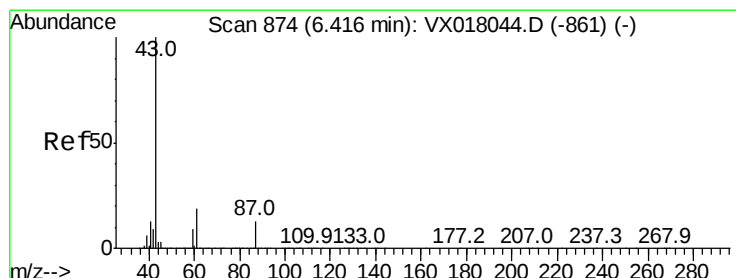
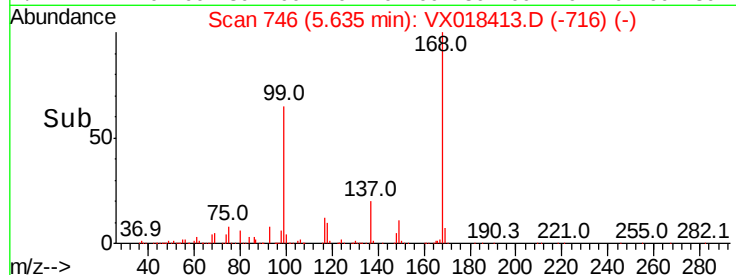
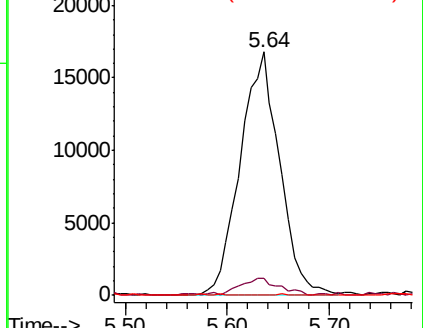
121 0.0 23.4 35.0#



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: 9.741 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

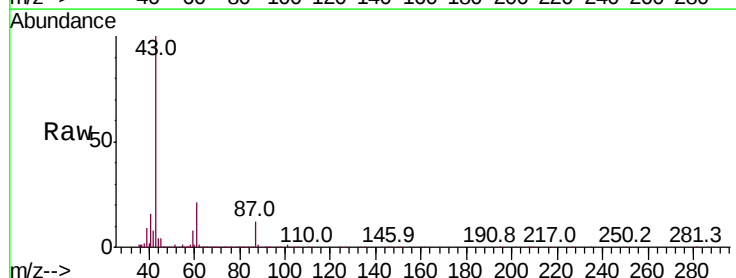
Tgt Ion: 43 Resp: 119139

Ion Ratio Lower Upper

43 100

61 20.1 15.7 23.5

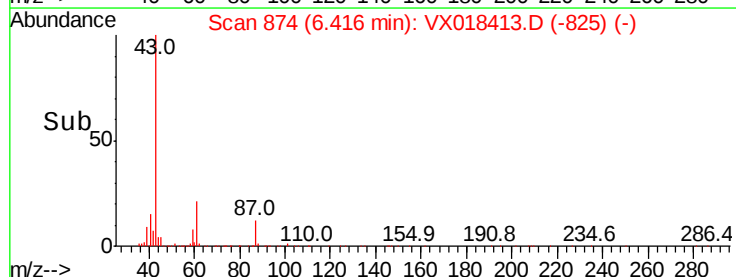
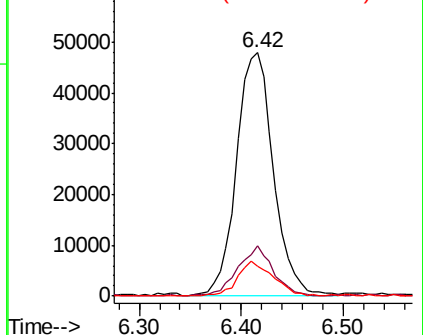
87 13.8 10.3 15.5

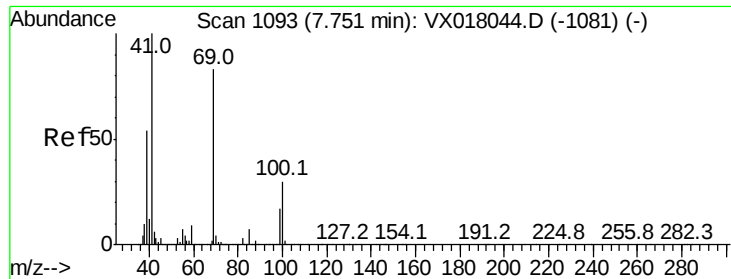


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 33.451 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.10 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#04

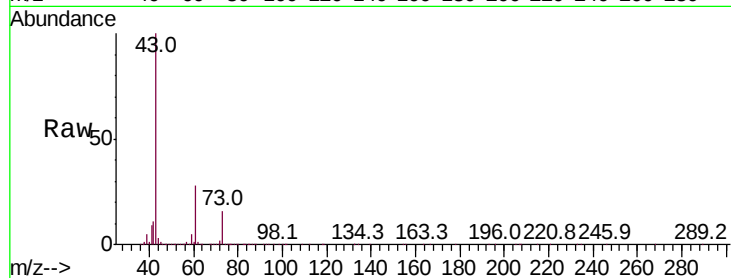
Tot Ion: 41 Resp: 203677

Ion Ratio Lower Upper

41 100

69 0.4 65.5 98.3#

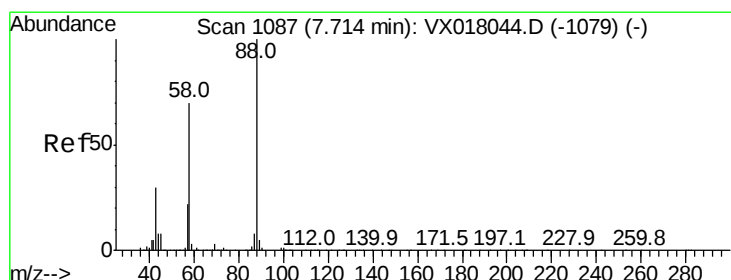
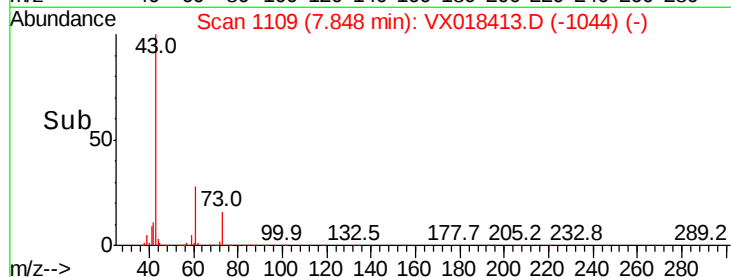
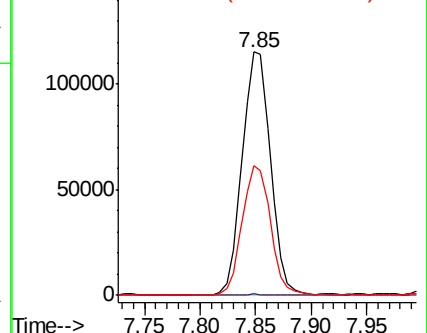
39 53.5 44.5 66.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 1.197 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

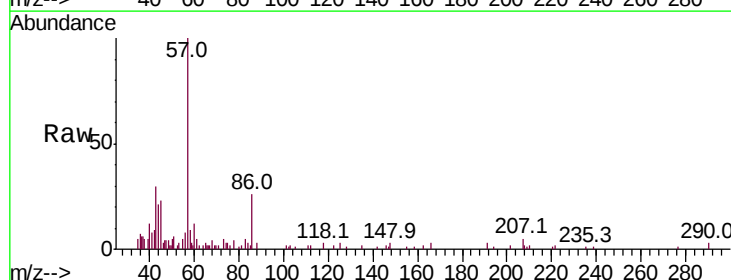
Tgt Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

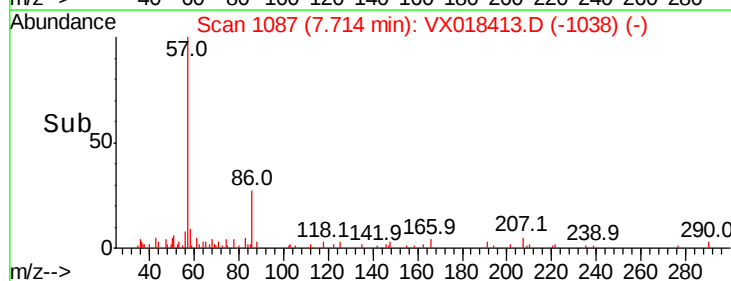
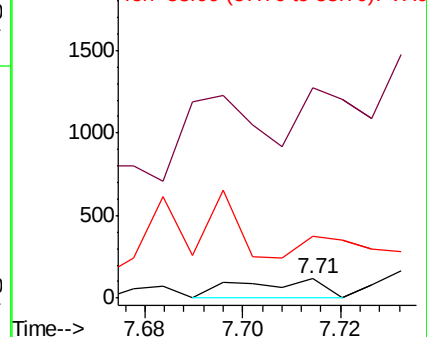
58 0.0 56.4 84.6#

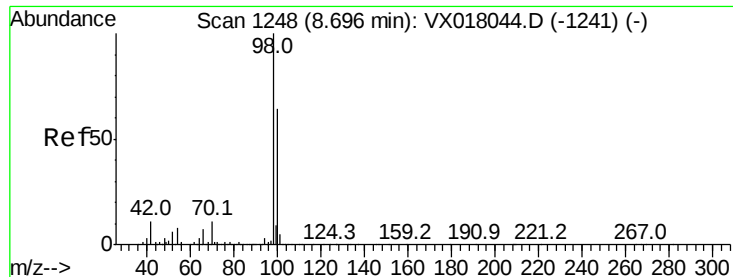


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

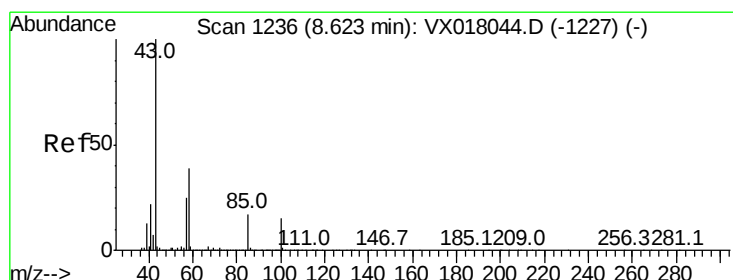
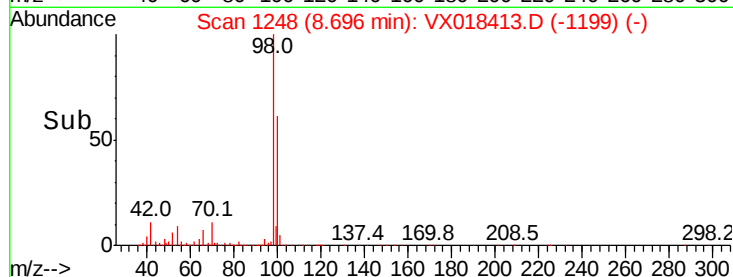
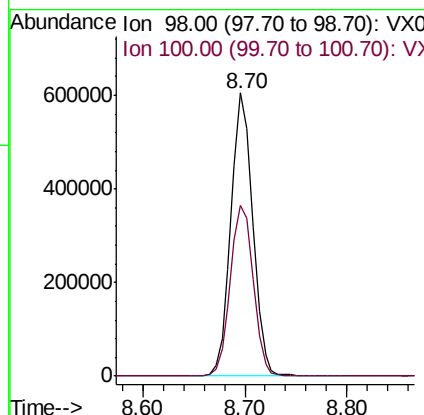
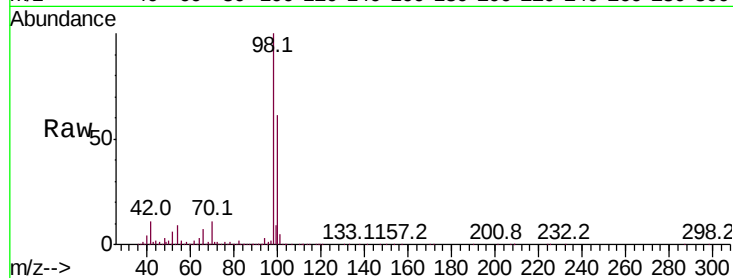




#50
Toluene-d8
Concen: 50.055 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

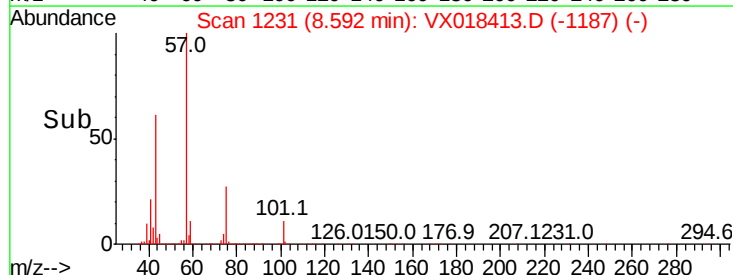
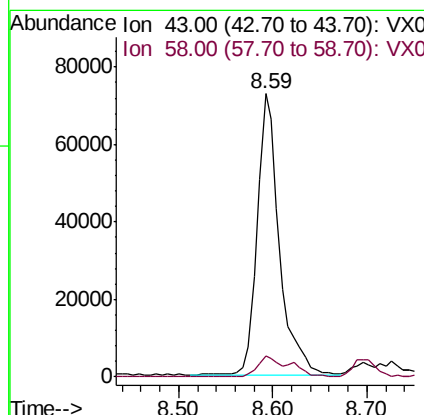
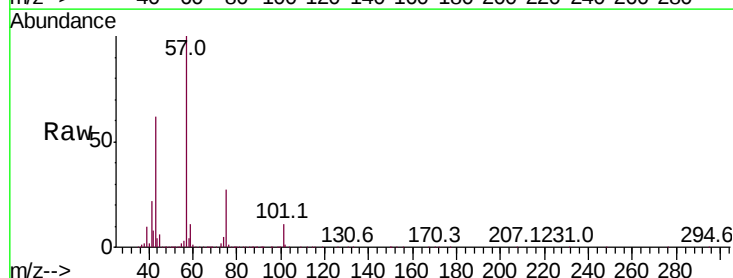
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#04

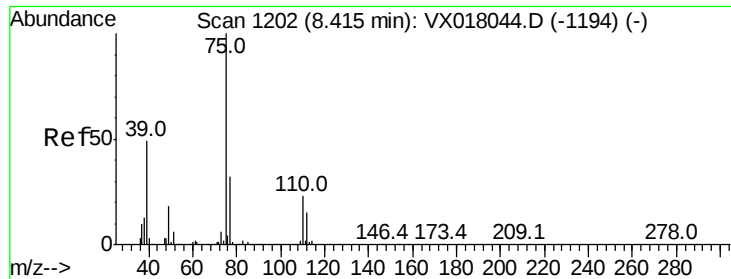
Tot Ion: 98 Resp: 897532
Ion Ratio Lower Upper
98 100
100 63.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 15.900 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

Tgt Ion: 43 Resp: 120132
Ion Ratio Lower Upper
43 100
58 10.2 30.7 46.1#



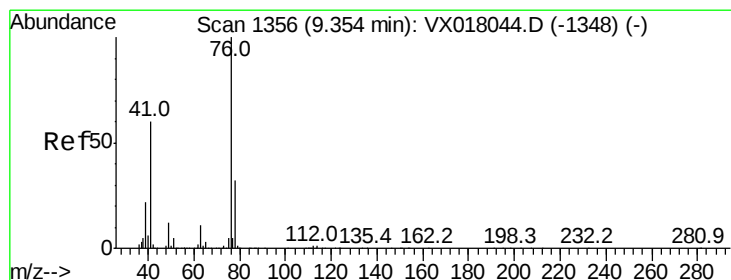
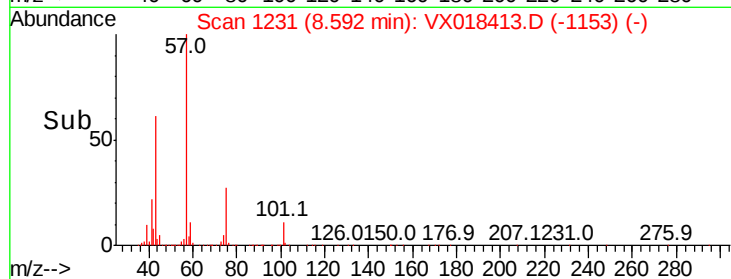
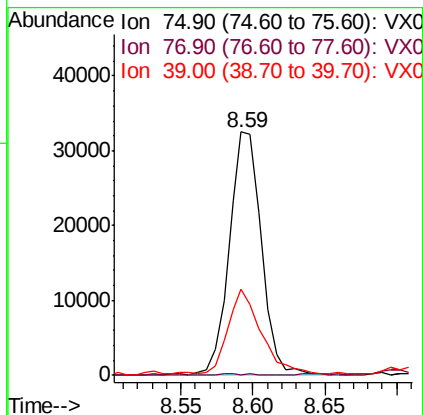
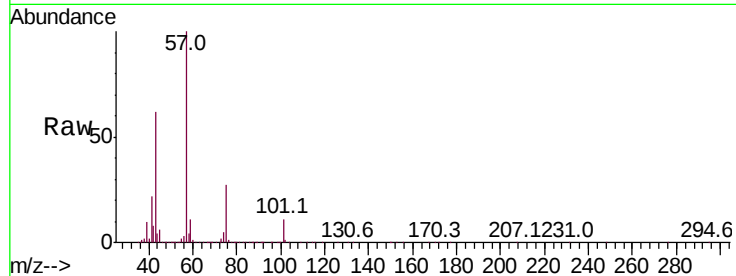


#54

cis-1,3-Dichloropropene
 Concen: 5.954 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018413.D
 Acq: 15 Sep 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#04

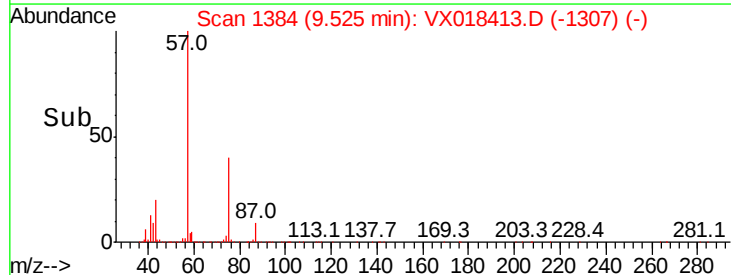
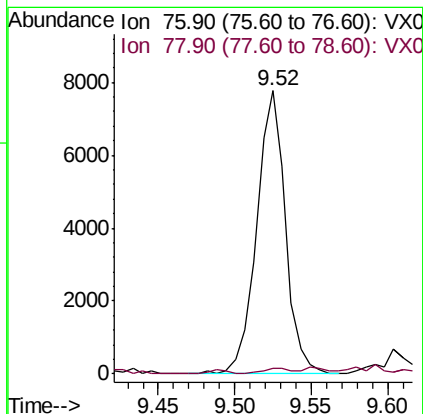
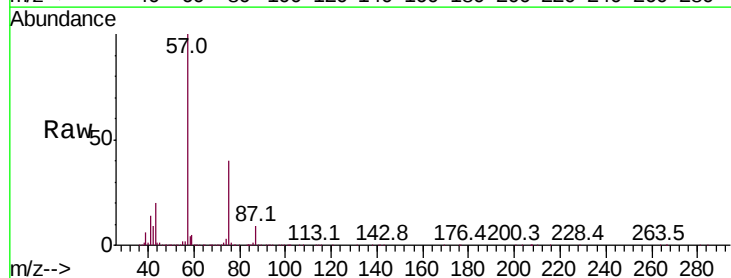
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.8	38.8#
39	34.5	38.8	58.2#

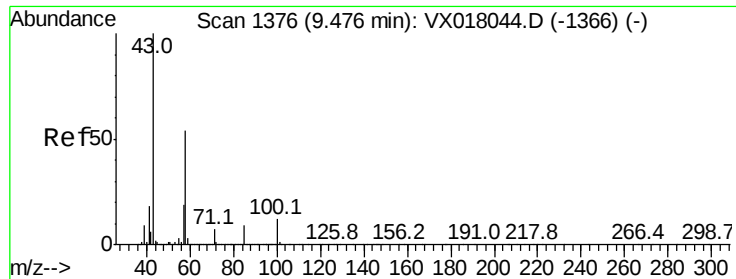


#57

1,3-Dichloropropane
 Concen: 1.189 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX018413.D
 Acq: 15 Sep 2020 17:39

Tgt Ion	Ratio	Lower	Upper
76	100		
78	2.2	25.8	38.6#

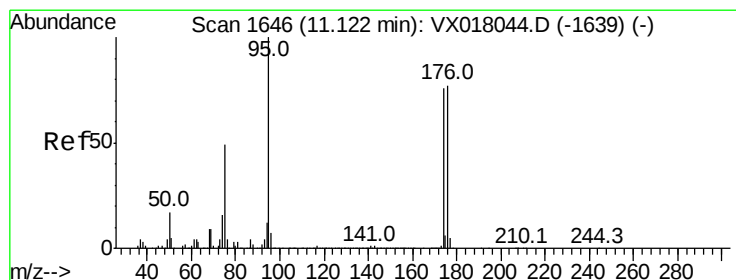
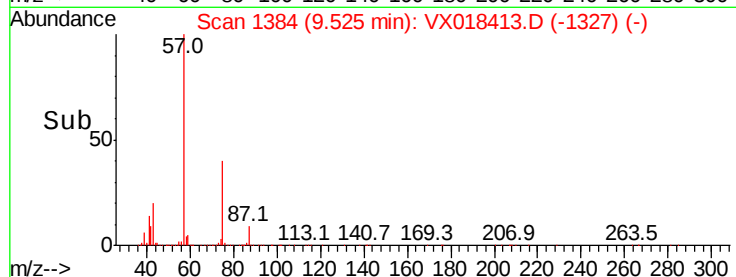
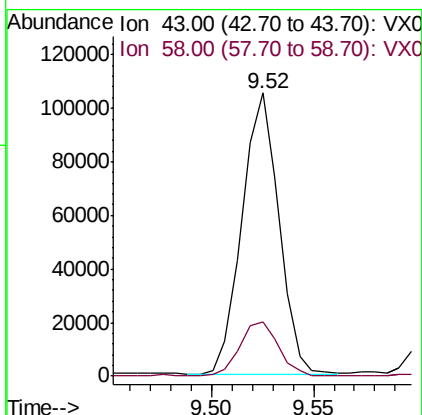
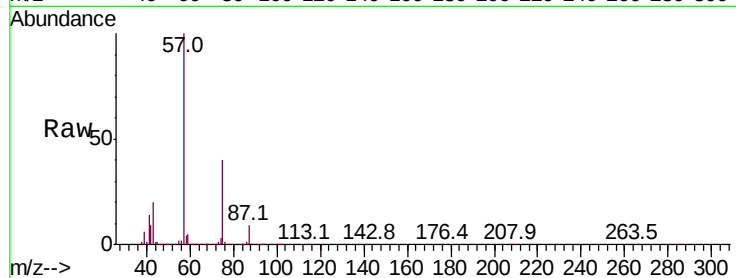




#59
2-Hexanone
Concen: 23.116 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

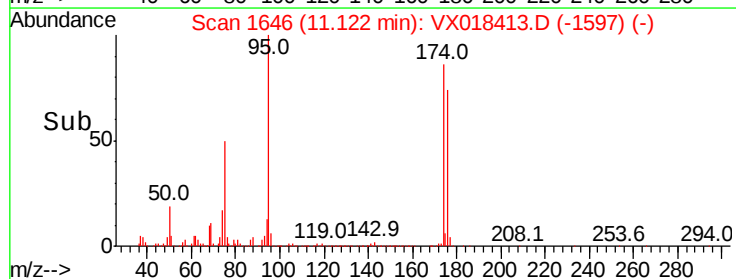
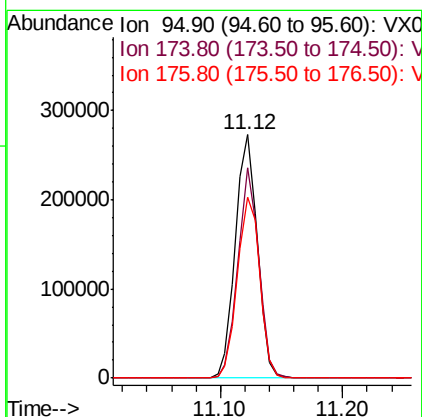
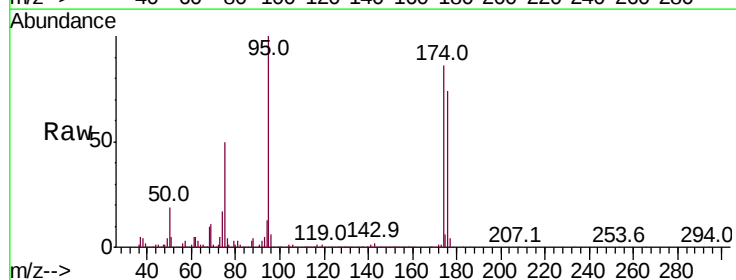
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#04

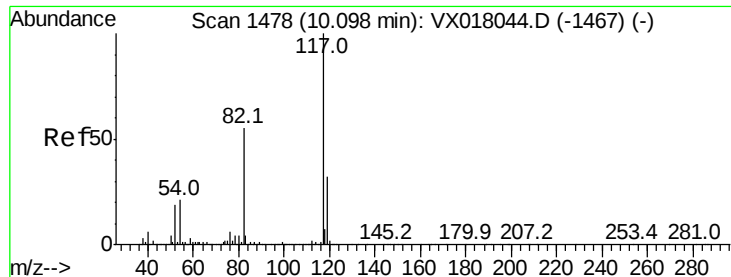
Tot Ion: 43 Resp: 132800
Ion Ratio Lower Upper
43 100
58 20.3 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.708 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

Tgt Ion: 95 Resp: 336568
Ion Ratio Lower Upper
95 100
174 82.3 0.0 160.2
176 76.1 0.0 155.8

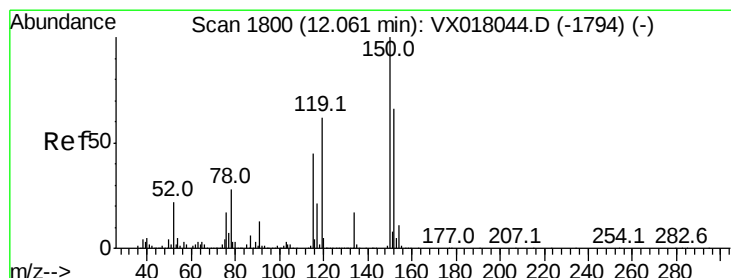
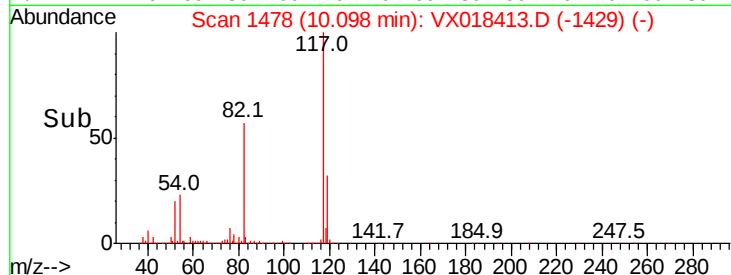
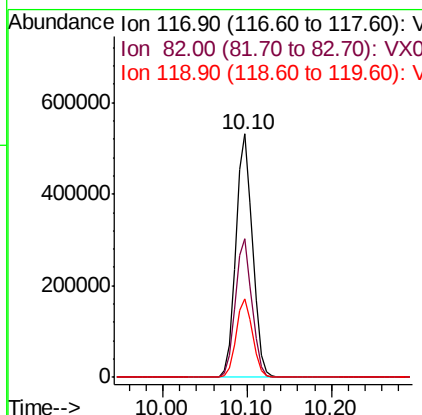
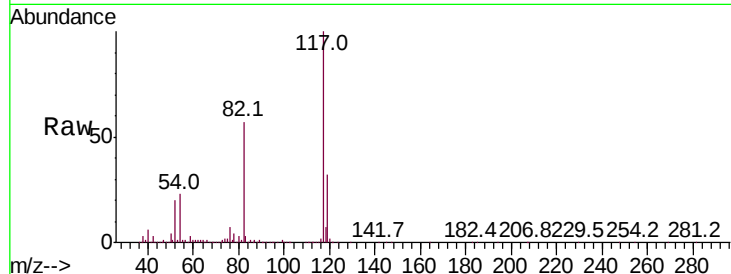




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

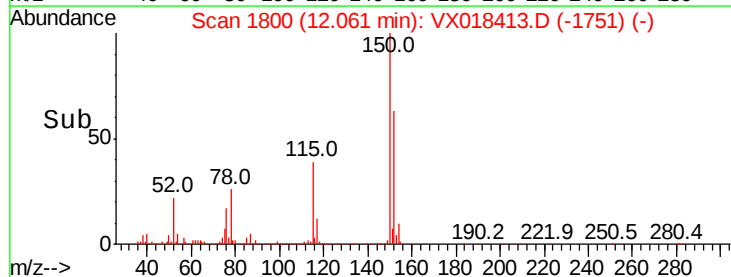
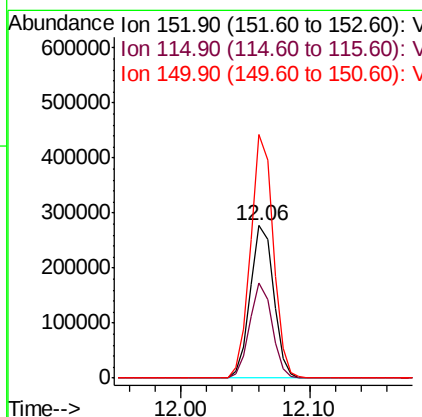
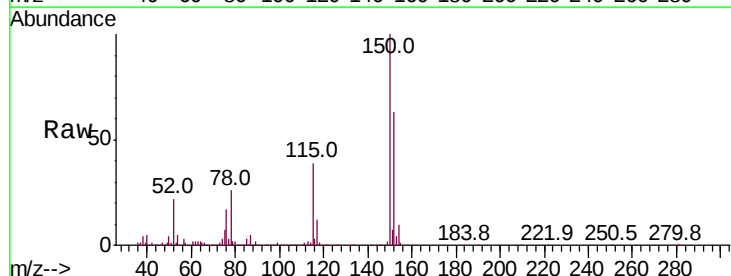
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#04

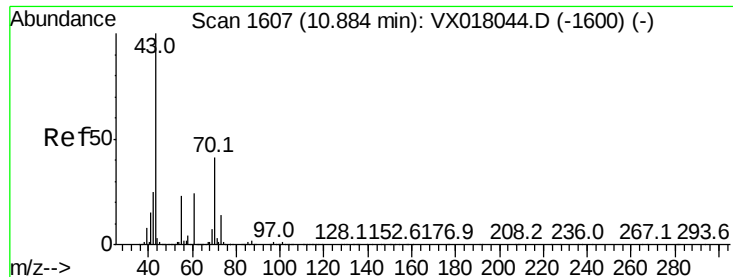
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.2	66.2
119	32.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018413.D
Acq: 15 Sep 2020 17:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	41.5	124.5
150	154.7	0.0	343.8





#74

N-amvl acetate

Concen: 0.492 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX018413.D

Acq: 15 Sep 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#04

Tot Ion: 43 Resp: 5294

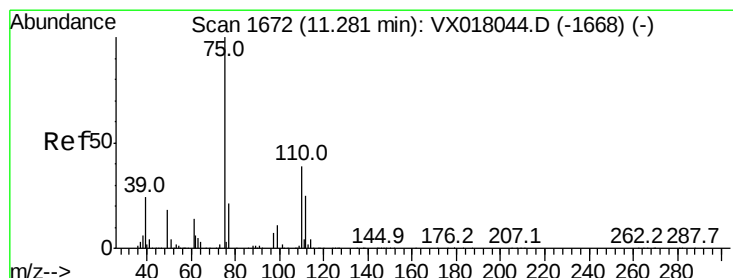
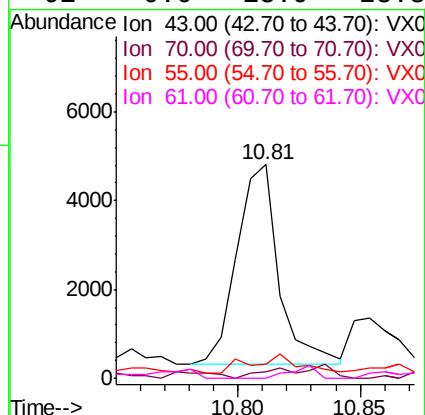
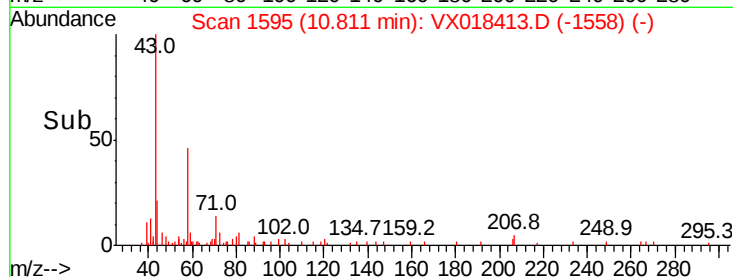
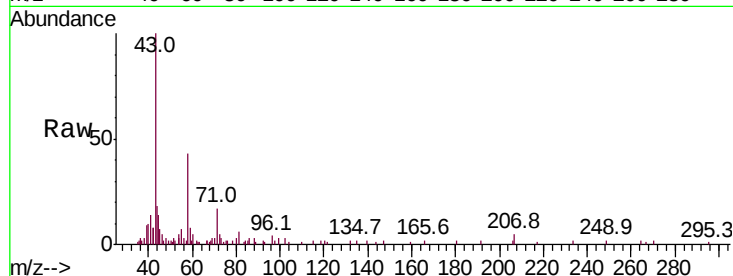
Ion Ratio Lower Upper

43 100

70 3.9 32.3 48.5#

55 11.4 18.2 27.2#

61 0.0 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 22.727 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018413.D

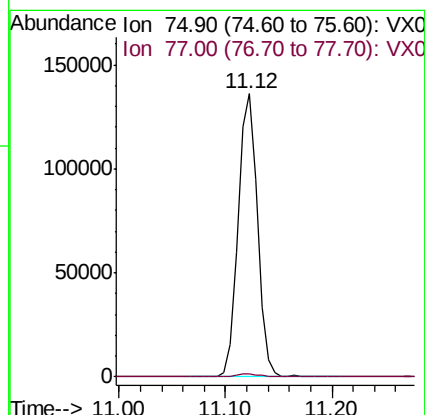
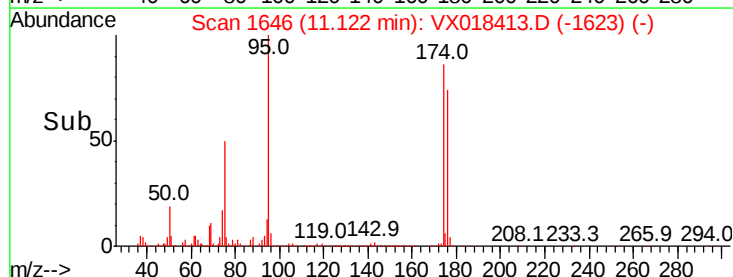
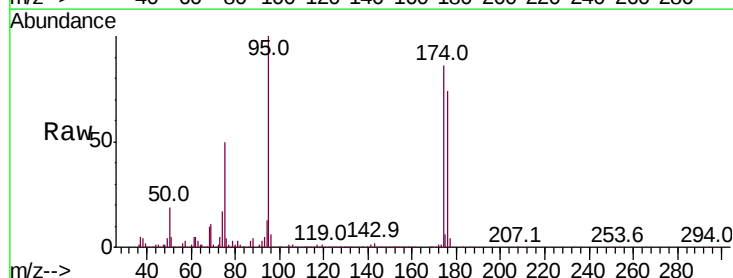
Acq: 15 Sep 2020 17:39

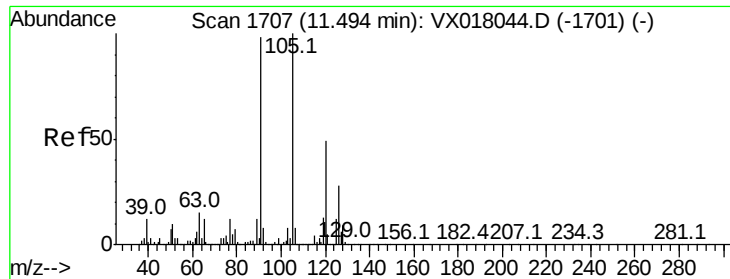
Tgt Ion: 75 Resp: 173986

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#

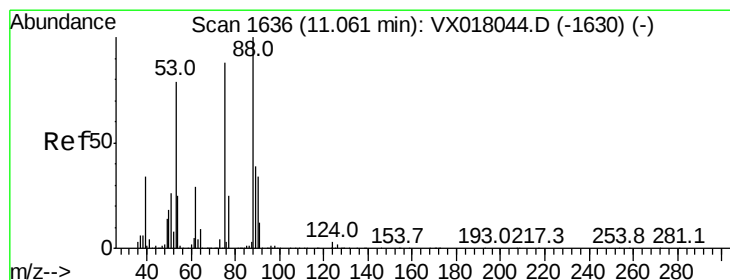
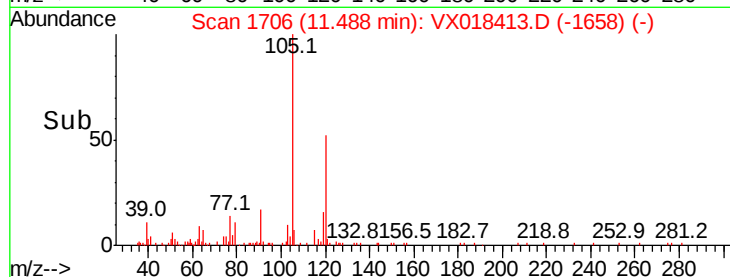
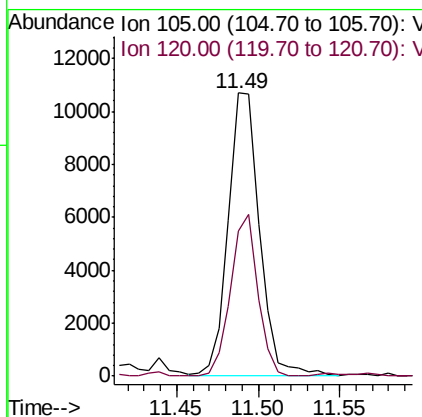
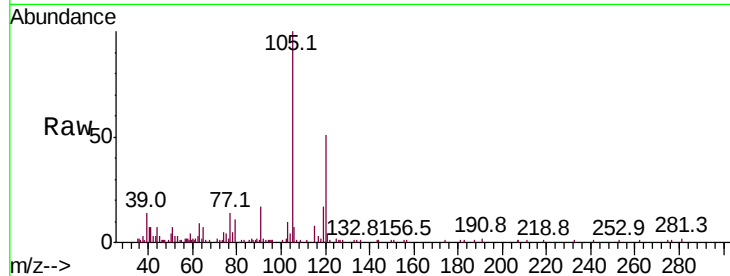




#80
 1,3,5-Trimethylbenzene
 Concen: 0.772 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018413.D
 Acq: 15 Sep 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#04

Tot Ion:105 Resp: 14392
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.381 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018413.D
 Acq: 15 Sep 2020 17:39

Tgt Ion: 75 Resp: 173986
 Ion Ratio Lower Upper
 75 100
 53 0.5 74.7 112.1#
 89 0.0 36.6 54.8#

