

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018359.D
 Acq On : 11 Sep 2020 14:02
 Operator : JC/SP
 Sample : L3977-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 05:55:47 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	5.65	168	2853	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.84	114	407713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	372784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	2350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	188142	4750.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9500.46%	
35) Dibromofluoromethane	5.46	113	1985	0.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	1.42%	
50) Toluene-d8	8.70	98	467938	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
62) 4-Bromofluorobenzene	11.12	95	197687	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	527	15.172	ug/l	93
3) Chloromethane	1.31	50	2290	62.532	ug/l	95
4) Vinyl Chloride	1.39	62	254	6.968	ug/l #	73
5) Bromomethane	1.65	94	923	52.492	ug/l #	22
6) Chloroethane	1.70	64	221	11.287	ug/l #	81
7) Trichlorofluoromethane	1.92	101	112	2.253	ug/l #	19
8) Diethyl Ether	2.17	74	270	16.016	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	2.38	101	98	3.647	ug/l #	64
10) Methyl Iodide	2.50	142	702	27.120	ug/l #	84
11) Tert butyl alcohol	3.01	59	1551	201.402	ug/l #	1
12) 1,1-Dichloroethene	2.35	96	294	10.545	ug/l #	7
13) Acrolein	2.28	56	3095	969.255	ug/l	88
14) Allyl chloride	2.67	41	13342500	266362.208	ug/l #	58
15) Acrylonitrile	3.13	53	1090	62.397	ug/l #	58
16) Acetone	2.42	43	2194921	142219.997	ug/l	95
17) Carbon Disulfide	2.56	76	1913	22.697	ug/l #	75
18) Methyl Acetate	2.67	43	31432523	843999.533	ug/l #	53
19) Methyl tert-butyl Ether	3.18	73	127	1.328	ug/l #	64
20) Methylene Chloride	2.84	84	2463	78.722	ug/l #	87
21) trans-1,2-Dichloroethene	3.15	96	290	9.388	ug/l #	45
22) Diisopropyl ether	3.83	45	11632	117.655	ug/l	90
23) Vinyl Acetate	3.82	43	6420	72.978	ug/l #	80
24) 1,1-Dichloroethane	3.68	63	142	2.523	ug/l #	1
25) 2-Butanone	4.64	43	95389	3760.804	ug/l	99
26) 2,2-Dichloropropane	4.67	77	1905	41.602	ug/l	89
27) cis-1,2-Dichloroethene	4.58	96	356	10.003	ug/l	10
28) Bromochloromethane	4.98	49	112781	4151.642	ug/l	94
29) Tetrahydrofuran	5.26	42	362	22.420	ug/l	96
30) Chloroform	5.18	83	14242	244.397	ug/l	98
31) Cyclohexane	5.56	56	164	3.459	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	128	2.394	ug/l #	1
37) Ethyl Acetate	4.81	43	5999	1.374	ug/l #	72
43) Isopropyl Acetate	6.42	43	32550	4.614	ug/l	97
47) Bromodichloromethane	7.88	83	1913	0.457	ug/l #	96

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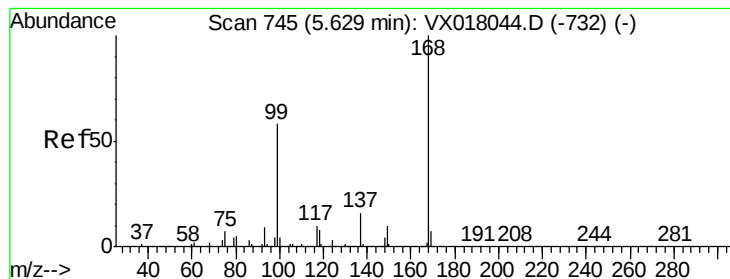
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 05:55:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

49) 1,4-Dioxane	7.71	88	139	2.185	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	7363	1.690	ug/l	100
59) 2-Hexanone	9.48	43	3270	0.987	ug/l	82
60) Dibromochloromethane	9.56	129	754	0.215	ug/l	63
73) Isopropylbenzene	11.00	105	1010	6.516	ug/l	87
74) N-amyl acetate	10.80	43	5956	80.983	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.34	83	303	5.541	ug/l	73
76) 1,2,3-Trichloropropane	11.12	75	102616	1962.941	ug/l #	37
77) Bromobenzene	11.24	156	170	3.968	ug/l #	1
78) n-propylbenzene	11.35	91	1161	6.596	ug/l	95
79) 2-Chlorotoluene	11.41	91	654	6.014	ug/l	90
80) 1,3,5-Trimethylbenzene	11.49	105	418	3.282	ug/l	74
81) trans-1,4-Dichloro-2-buten	11.03	75	51877	2680.185	ug/l #	26
82) 4-Chlorotoluene	11.50	91	1058	8.184	ug/l	90
83) tert-Butylbenzene	11.75	119	254	2.021	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.79	105	1137	8.731	ug/l	98
85) sec-Butylbenzene	11.93	105	577	4.036	ug/l #	45
86) p-Isopropyltoluene	12.04	119	736	5.605	ug/l #	65
87) 1,3-Dichlorobenzene	12.02	146	796	10.581	ug/l #	1
88) 1,4-Dichlorobenzene	12.09	146	887	11.776	ug/l #	59
89) n-Butylbenzene	12.37	91	1698	14.168	ug/l	87
90) Hexachloroethane	12.57	117	53	2.051	ug/l	67
91) 1,2-Dichlorobenzene	12.39	146	425	6.002	ug/l #	40
92) 1,2-Dibromo-3-Chloropropan	12.98	75	192	14.043	ug/l #	35
93) 1,2,4-Trichlorobenzene	13.62	180	877	18.572	ug/l	77
94) Hexachlorobutadiene	13.77	225	103	5.530	ug/l #	19
95) Naphthalene	13.82	128	2929	18.848	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.83	180	51	1.093	ug/l	73

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 748

Delta R.T. 0.02 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

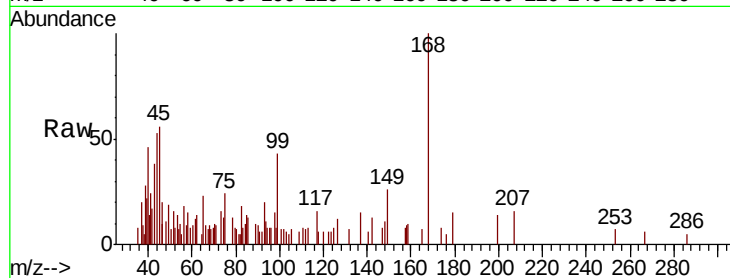
ClientSampleId :

Tot Ion:168 Resp: 2853

Ion Ratio Lower Upper

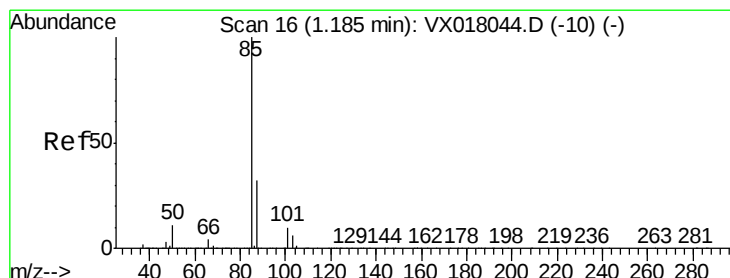
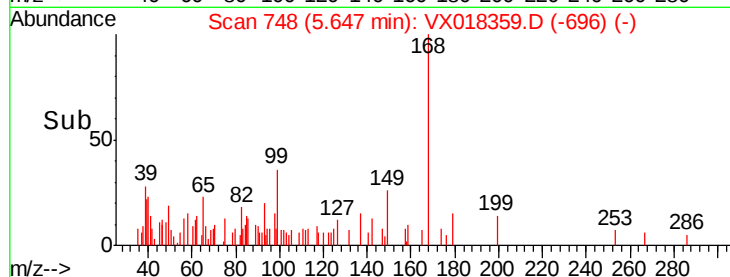
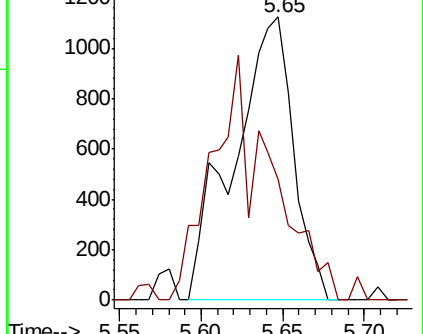
168 100

99 42.6 46.3 69.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.172 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018359.D

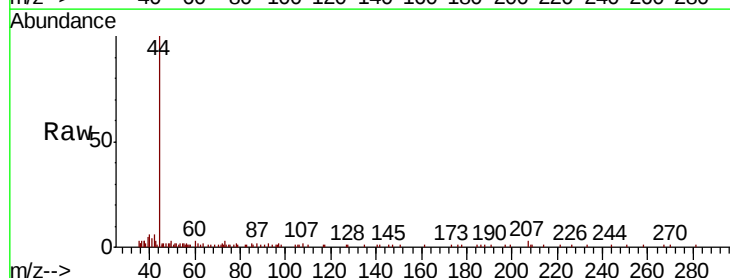
Acq: 11 Sep 2020 14:02

Tgt Ion: 85 Resp: 527

Ion Ratio Lower Upper

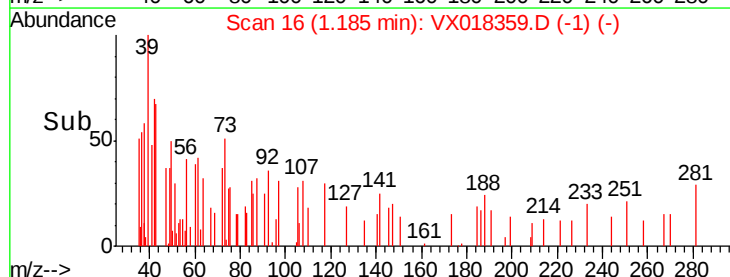
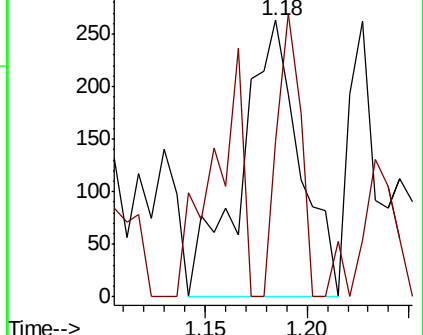
85 100

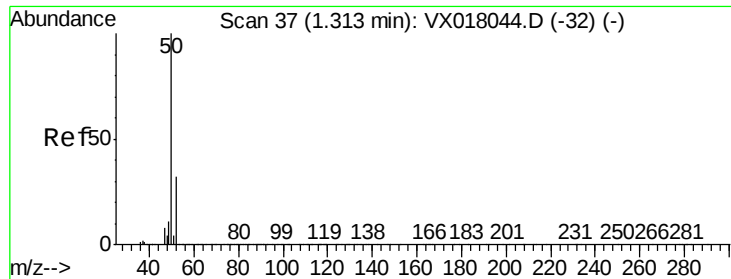
87 36.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 62.532 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

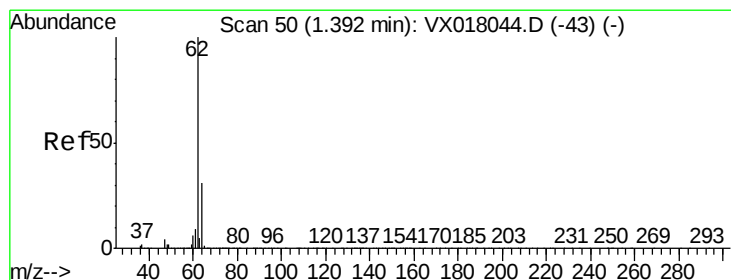
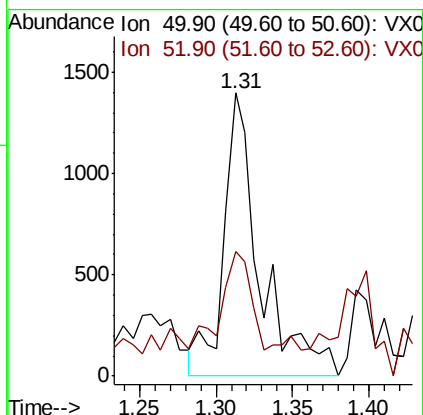
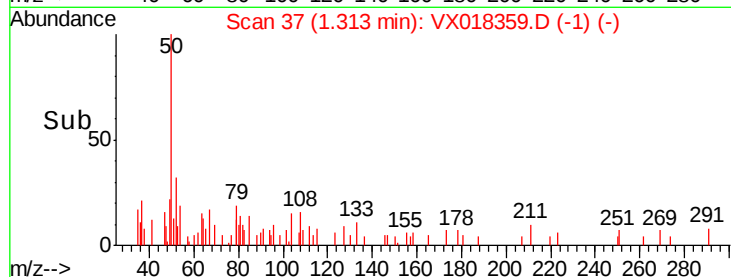
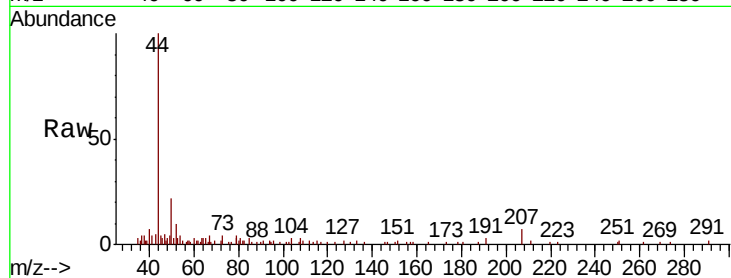
ClientSampleId :

Tot Ion: 50 Resp: 2290

Ion Ratio Lower Upper

50 100

52 34.6 25.4 38.2



#4

Vinyl Chloride

Concen: 6.968 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018359.D

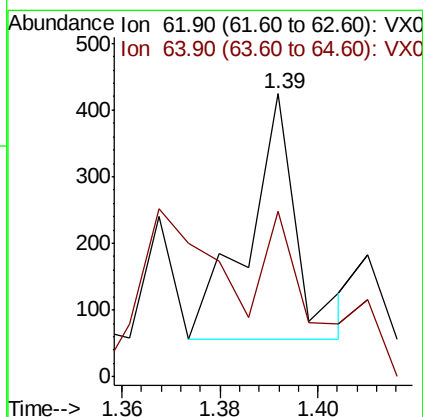
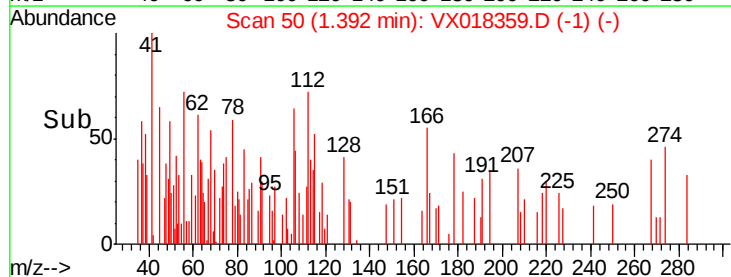
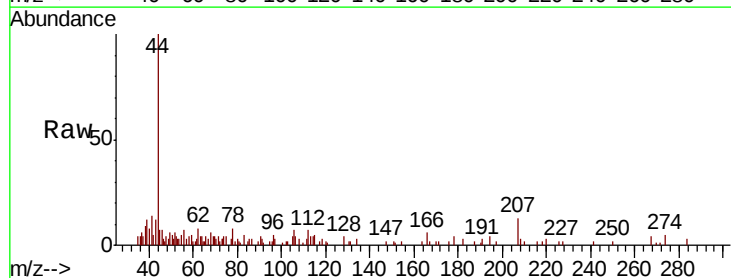
Acq: 11 Sep 2020 14:02

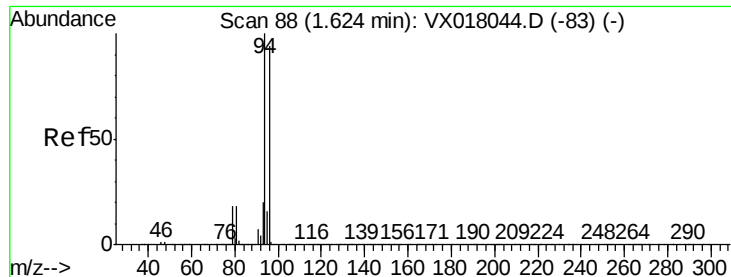
Tgt Ion: 62 Resp: 254

Ion Ratio Lower Upper

62 100

64 46.3 25.1 37.7#





#5

Bromomethane

Concen: 52.492 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

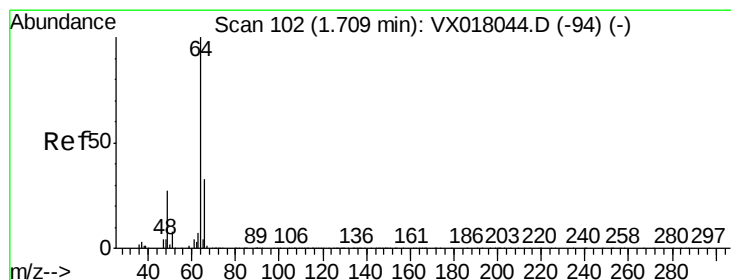
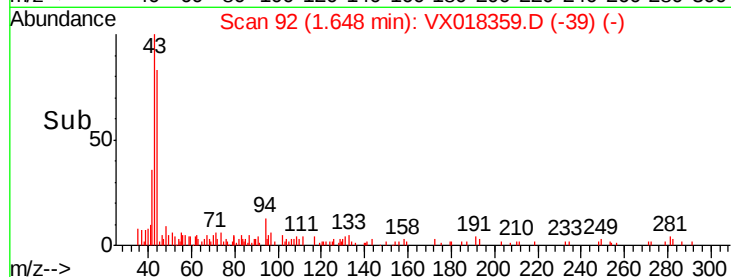
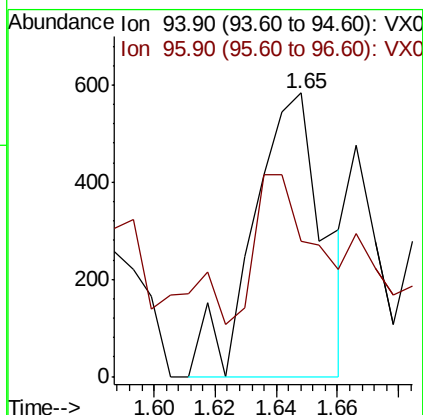
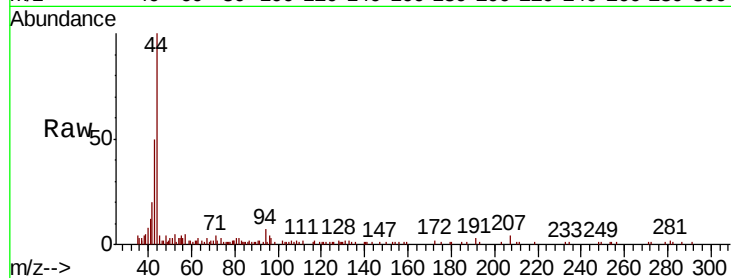
ClientSampled :

Tot Ion: 94 Resp: 923

Ion Ratio Lower Upper

94 100

96 18.5 74.8 112.2#



#6

Chloroethane

Concen: 11.287 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX018359.D

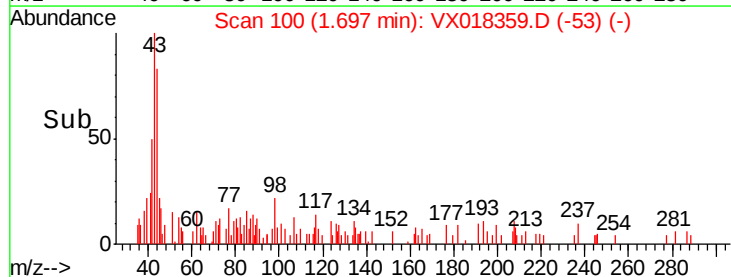
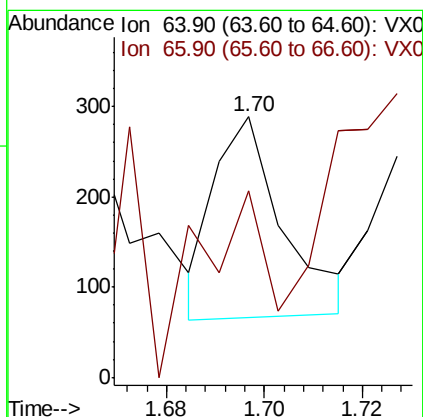
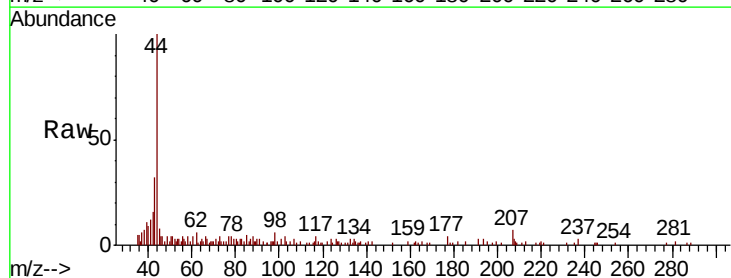
Acq: 11 Sep 2020 14:02

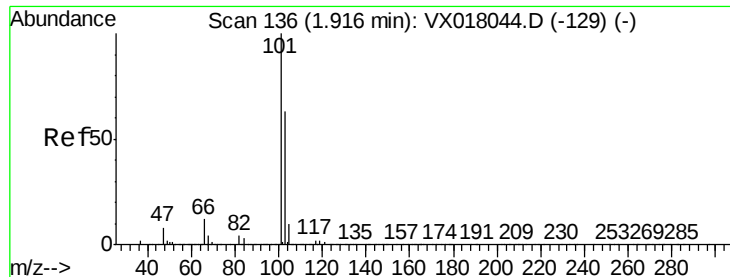
Tgt Ion: 64 Resp: 221

Ion Ratio Lower Upper

64 100

66 22.4 26.6 39.8#



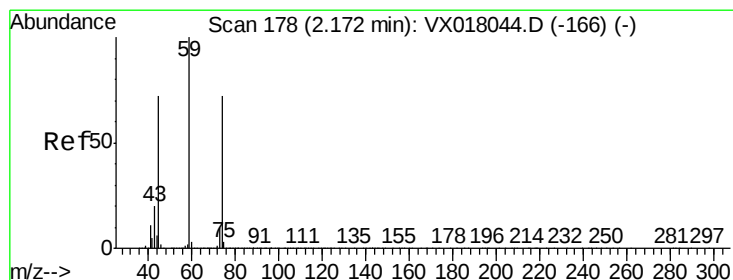
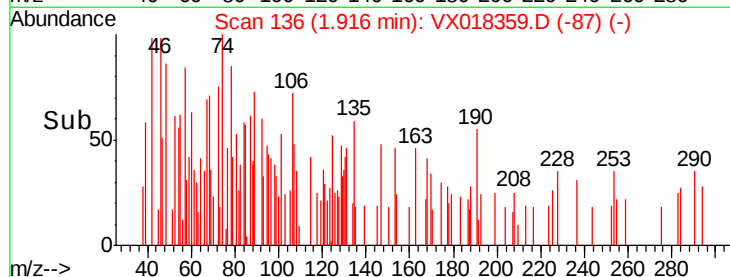
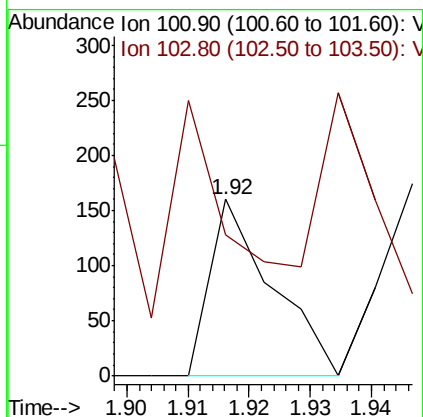
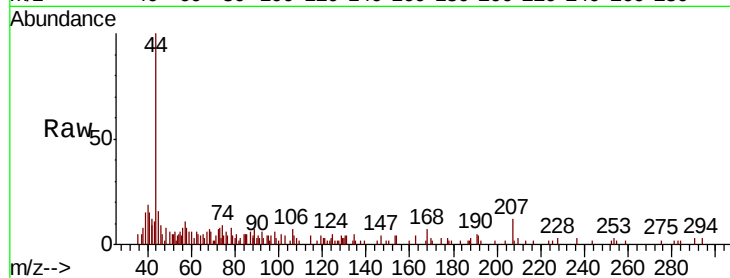


#7

Trichlorofluoromethane
Concen: 2.253 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampled :

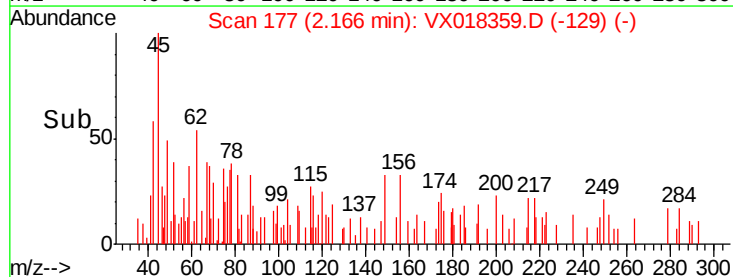
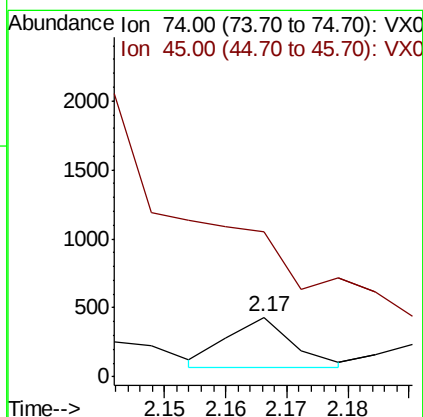
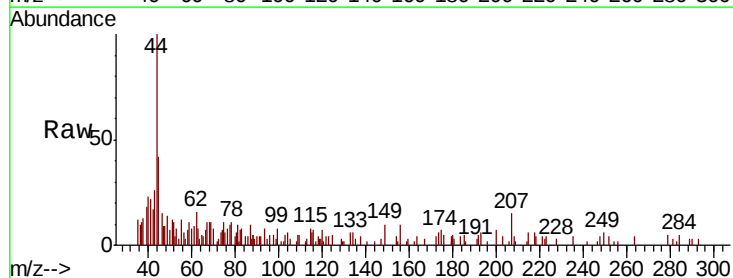
Tot Ion:101 Resp: 112
Ion Ratio Lower Upper
101 100
103 0.0 50.7 76.1#

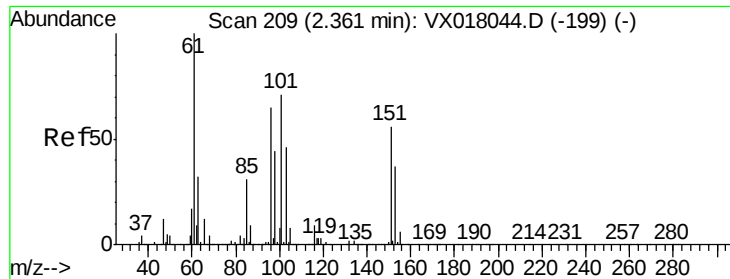


#8

Diethyl Ether
Concen: 16.016 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 74 Resp: 270
Ion Ratio Lower Upper
74 100
45 0.0 50.7 152.3#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.647 ug/l

RT: 2.38 min Scan# 212

Delta R.T. 0.02 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

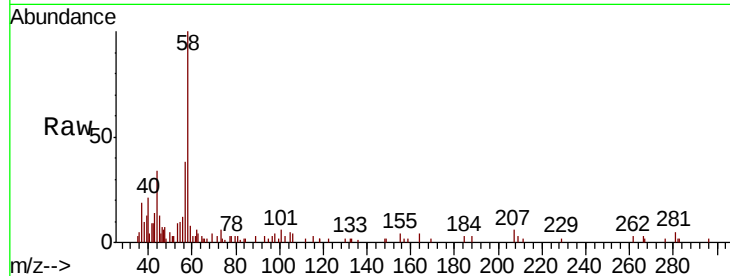
Tot Ion:101 Resp: 98

Ion Ratio Lower Upper

101 100

85 91.8 34.0 51.0#

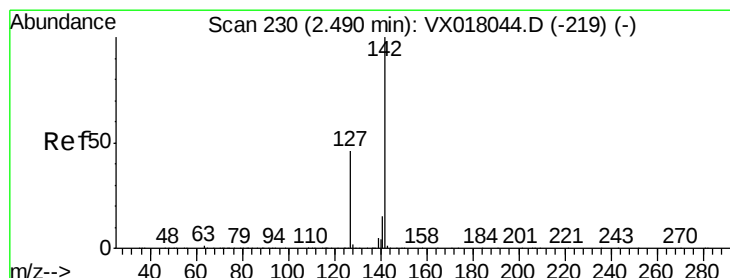
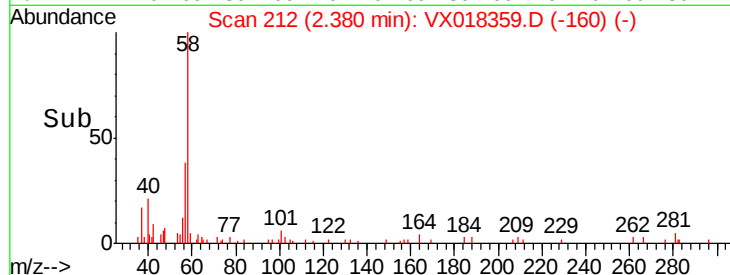
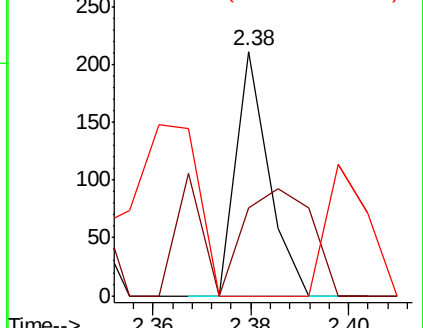
151 69.4 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.120 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

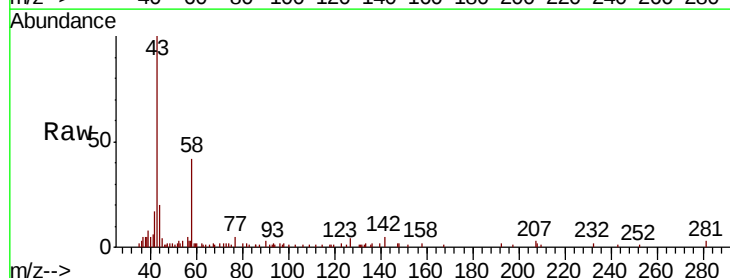
Tgt Ion:142 Resp: 702

Ion Ratio Lower Upper

142 100

127 55.3 37.0 55.6

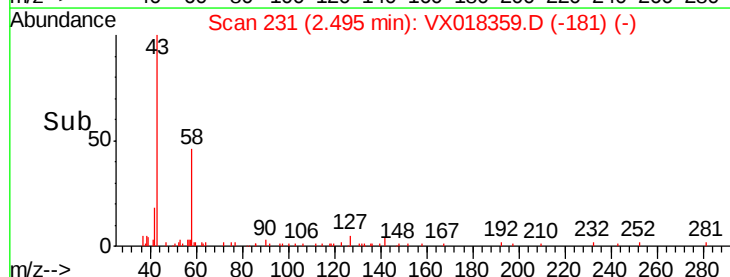
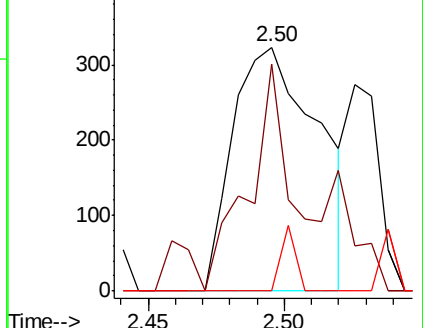
141 4.6 11.5 17.3#

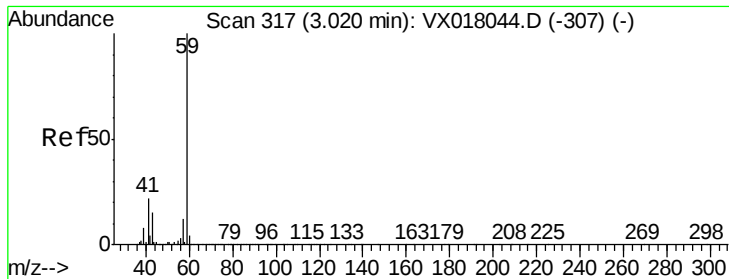


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



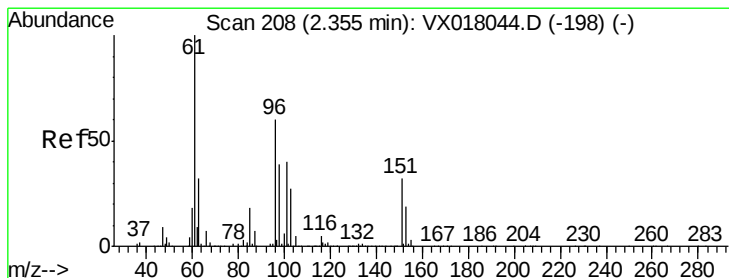
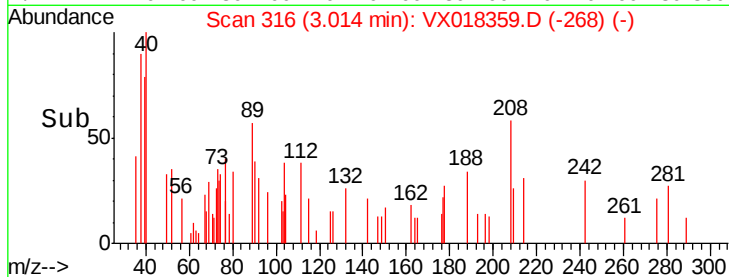
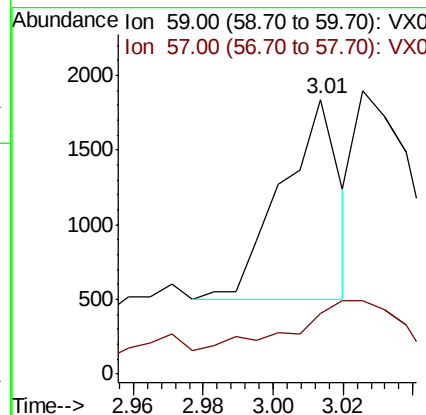
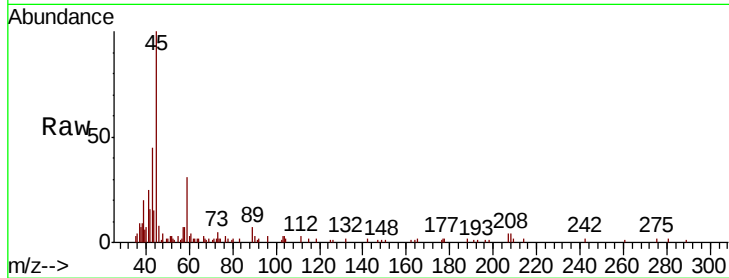


#11

Tert butyl alcohol
Concen: 201.402 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampled :

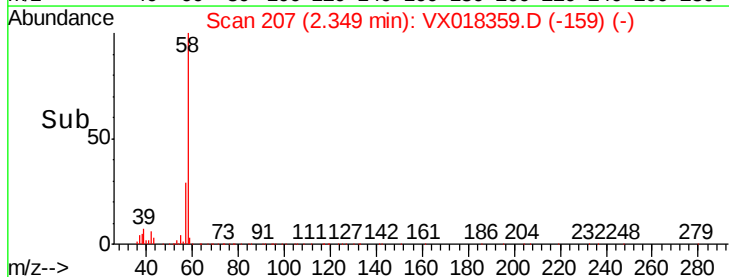
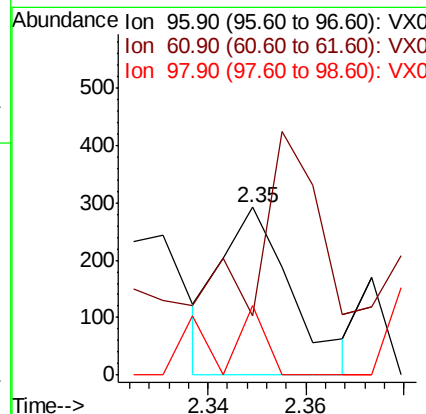
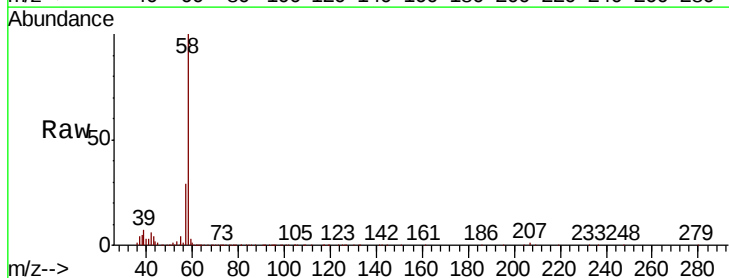
Tot Ion: 59 Resp: 1551
Ion Ratio Lower Upper
59 100
57 86.1 8.9 13.3#

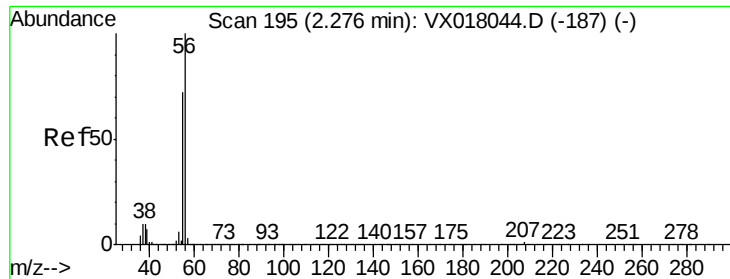


#12

1,1-Dichloroethene
Concen: 10.545 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 96 Resp: 294
Ion Ratio Lower Upper
96 100
61 0.0 133.0 199.4#
98 53.1 51.6 77.4

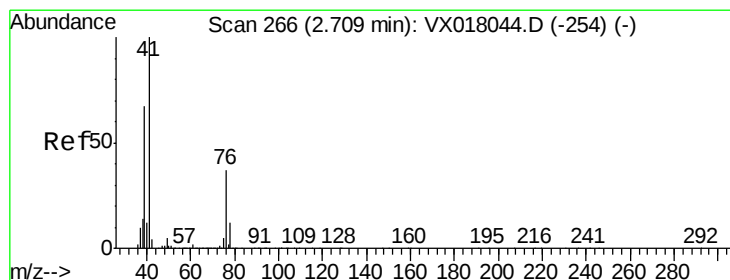
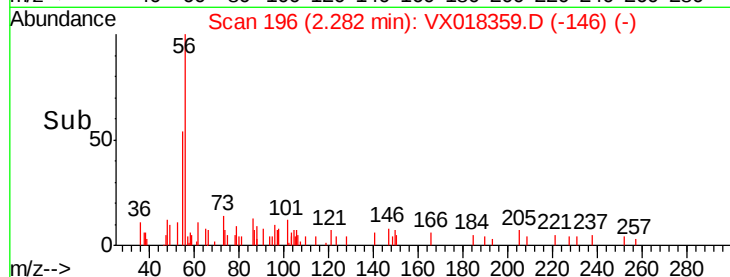
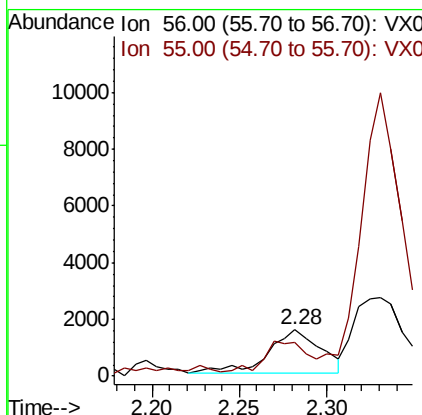
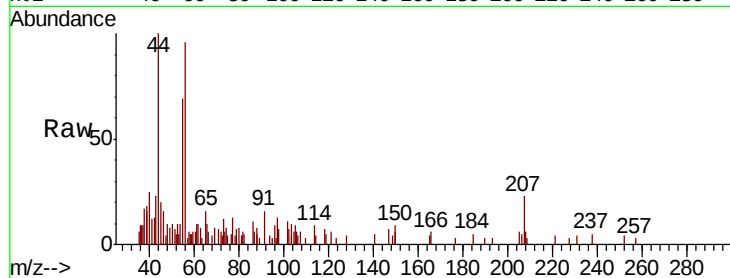




#13
Acrolein
Concen: 969.255 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

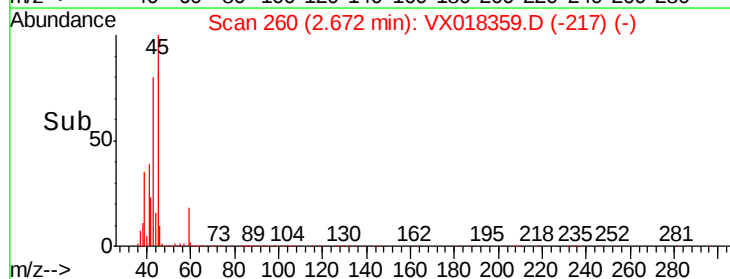
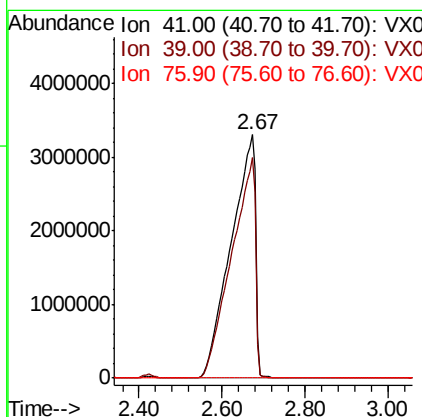
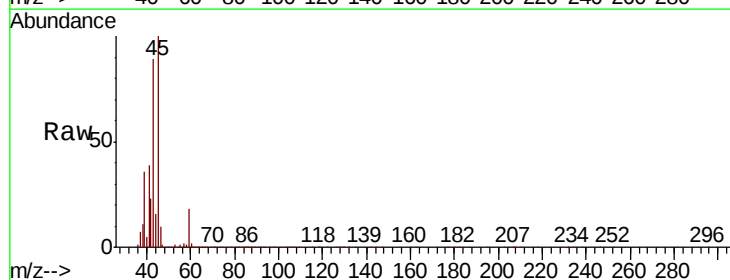
Instrument :
MSVOA_X
ClientSampled :

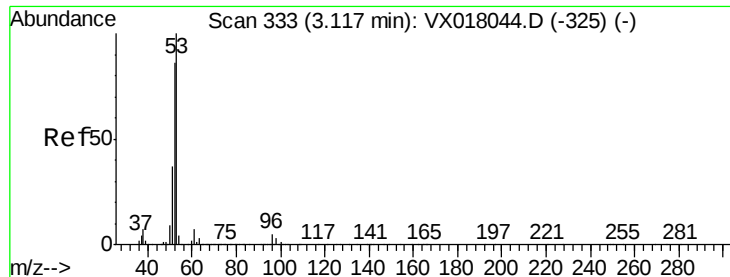
Tot Ion: 56 Resp: 3095
Ion Ratio Lower Upper
56 100
55 61.3 57.0 85.6



#14
Allyl chloride
Concen: 266362.208 ug/l
RT: 2.67 min Scan# 260
Delta R.T. -0.04 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 41 Resp: 13342500
Ion Ratio Lower Upper
41 100
39 88.9 50.6 76.0#
76 0.0 26.2 39.2#





#15

Acrylonitrile

Concen: 62.397 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampled :

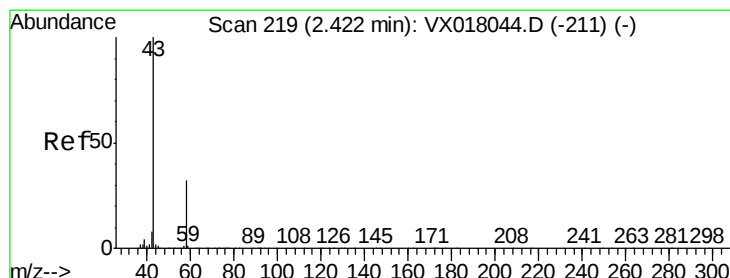
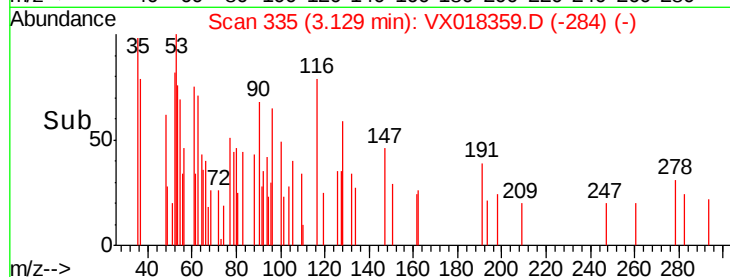
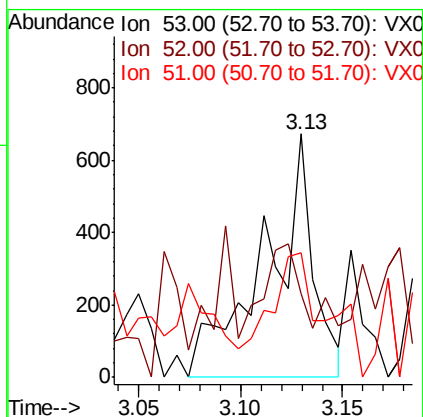
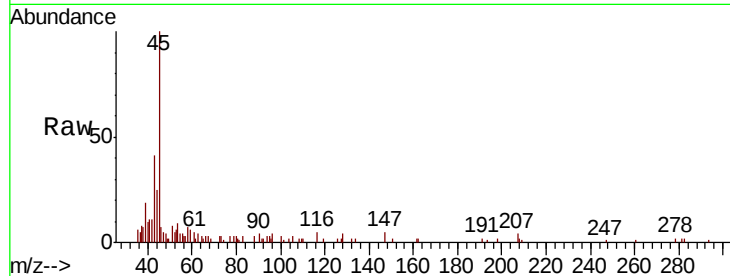
Tot Ion: 53 Resp: 1090

Ion Ratio Lower Upper

53 100

52 46.1 66.9 100.3#

51 61.7 28.7 43.1#



#16

Acetone

Concen: 142219.997 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018359.D

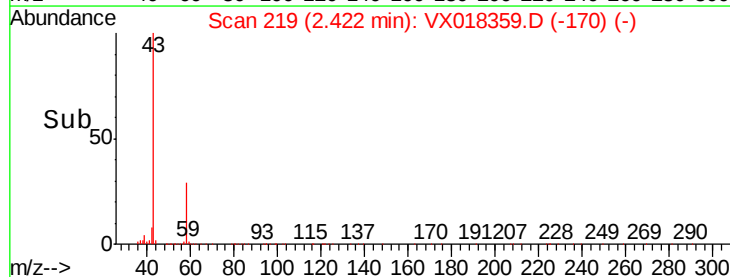
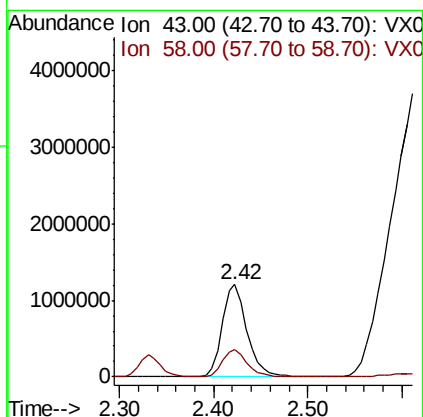
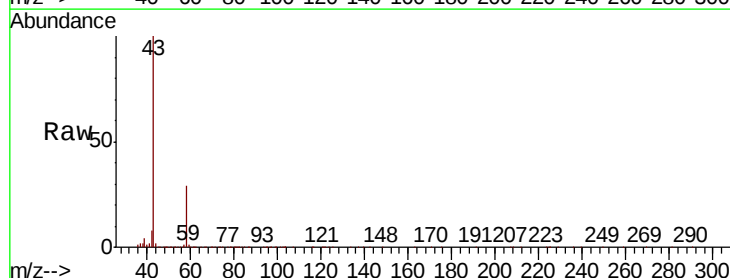
Acq: 11 Sep 2020 14:02

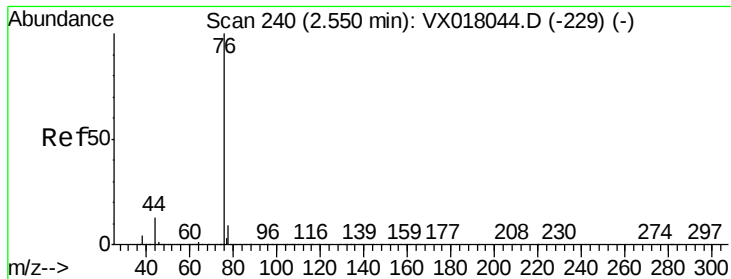
Tgt Ion: 43 Resp: 2194921

Ion Ratio Lower Upper

43 100

58 29.3 25.5 38.3





#17

Carbon Disulfide

Concen: 22.697 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

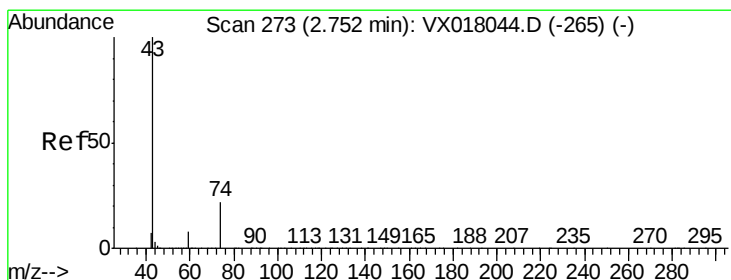
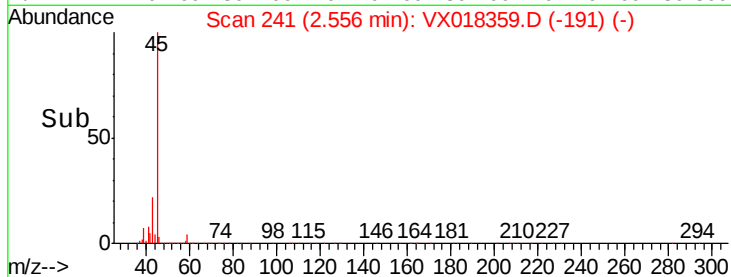
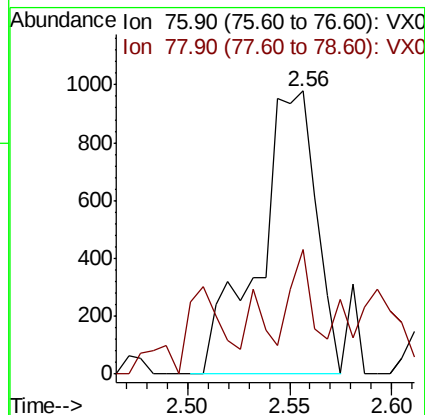
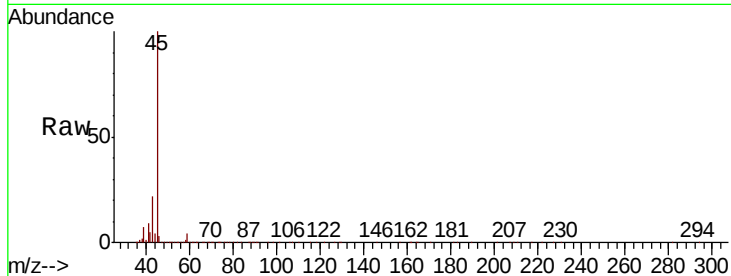
ClientSampled :

Tot Ion: 76 Resp: 1913

Ion Ratio Lower Upper

76 100

78 18.2 7.4 11.0#



#18

Methyl Acetate

Concen: 843999.533 ug/l

RT: 2.67 min Scan# 260

Delta R.T. -0.08 min

Lab File: VX018359.D

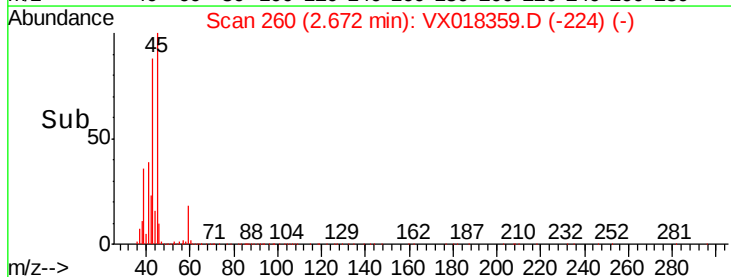
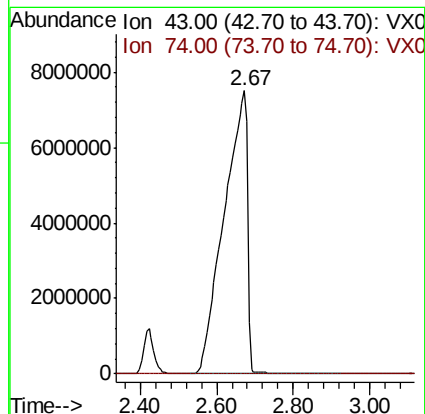
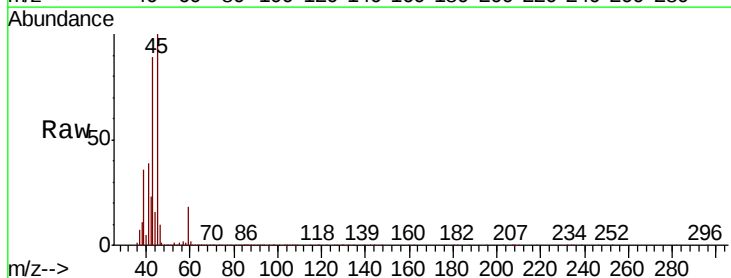
Acq: 11 Sep 2020 14:02

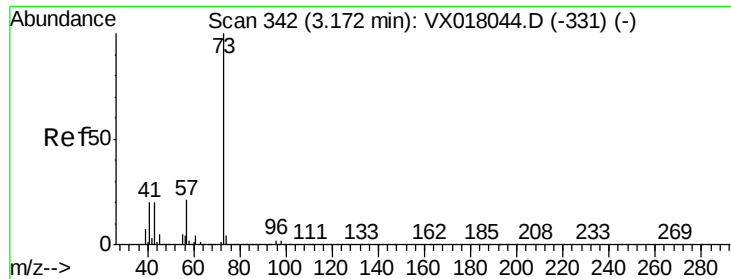
Tgt Ion: 43 Resp: 31432523

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.4#

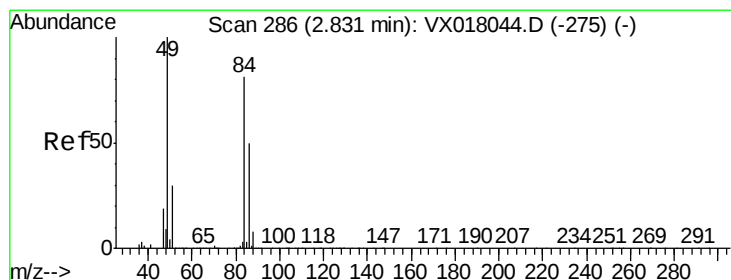
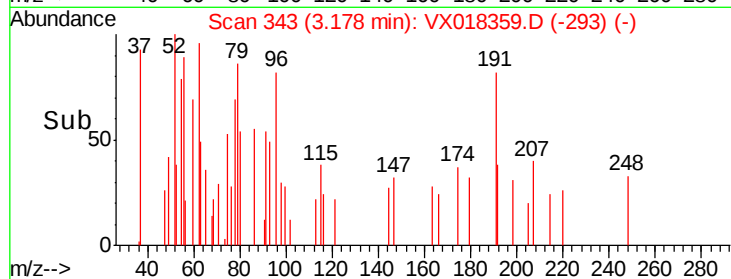
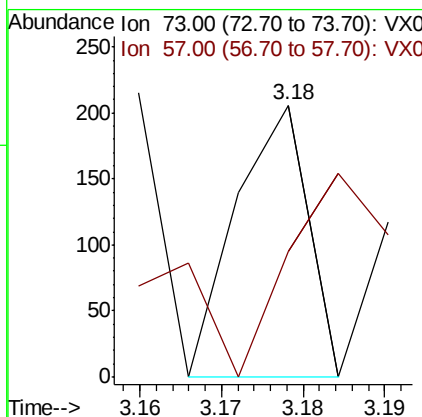
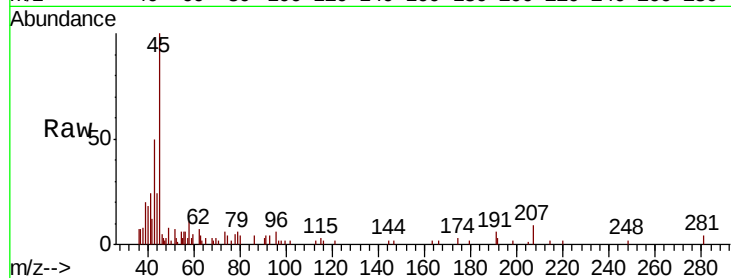




#19
Methyl tert-butyl Ether
Concen: 1.328 ug/l
RT: 3.18 min Scan# 343
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

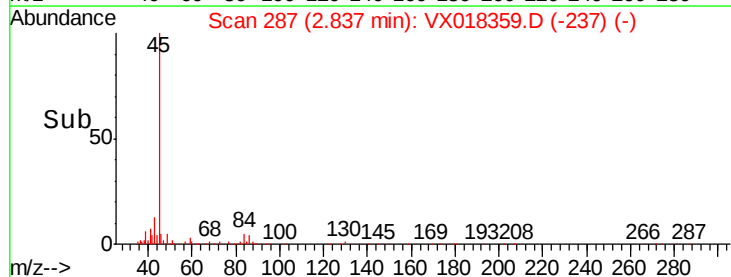
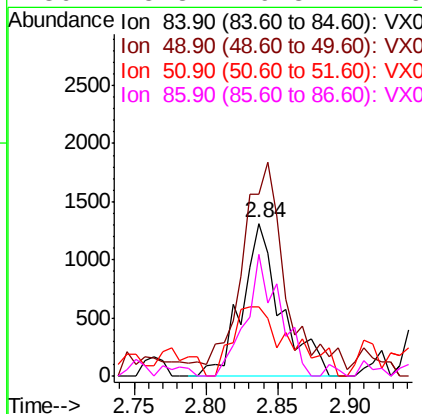
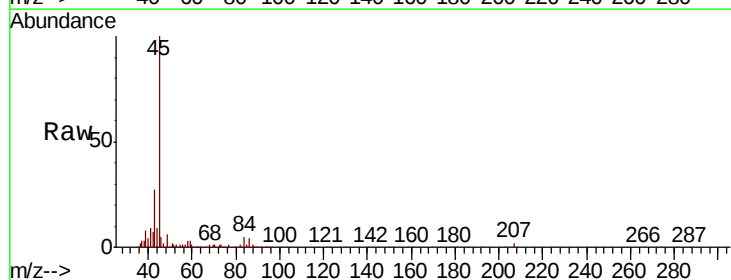
Instrument :
MSVOA_X
ClientSampled :

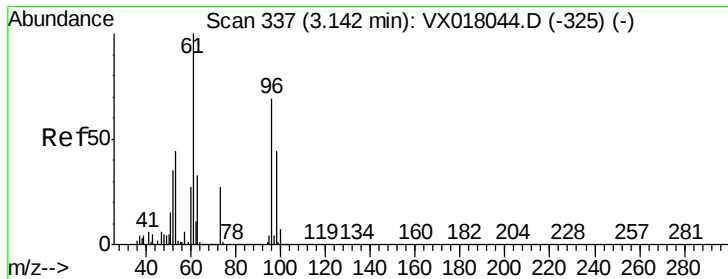
Tot Ion: 73 Resp: 127
Ion Ratio Lower Upper
73 100
57 4.4 16.8 25.2#



#20
Methylene Chloride
Concen: 78.722 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 84 Resp: 2463
Ion Ratio Lower Upper
84 100
49 110.5 98.6 148.0
51 45.4 29.6 44.4#
86 75.3 49.8 74.6#





#21

trans-1,2-Dichloroethene

Concen: 9.388 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

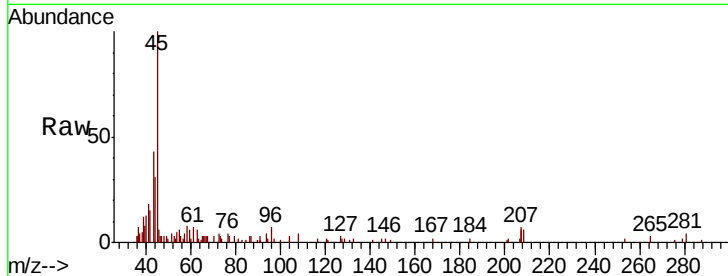
Tot Ion: 96 Resp: 290

Ion Ratio Lower Upper

96 100

61 90.8 115.4 173.0#

98 0.0 51.1 76.7#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

400

300

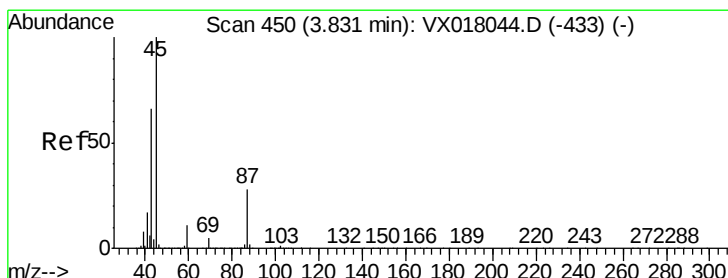
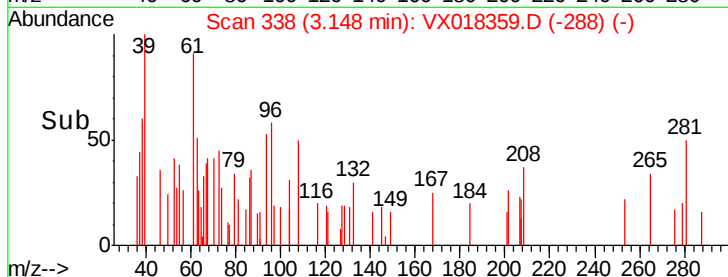
200

100

0

3.14 3.16

Time-->



#22

Diisopropyl ether

Concen: 117.655 ug/l

RT: 3.83 min Scan# 450

Delta R.T. -0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Tgt Ion: 45 Resp: 11632

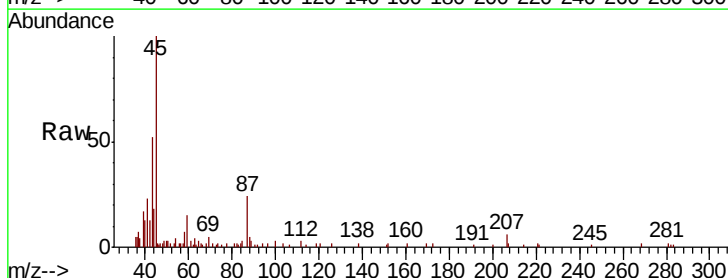
Ion Ratio Lower Upper

45 100

43 54.4 52.8 79.2

87 28.7 22.5 33.7

59 13.3 9.0 13.6



Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

8000

6000

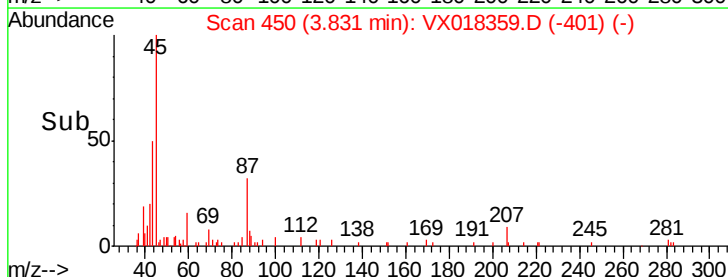
4000

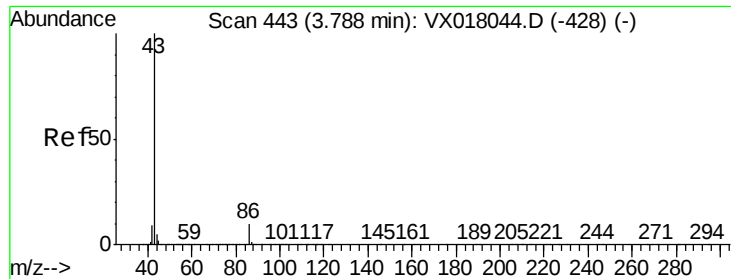
2000

0

3.75 3.80 3.85 3.90

Time-->





#23

Vinyl Acetate

Concen: 72.978 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.04 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

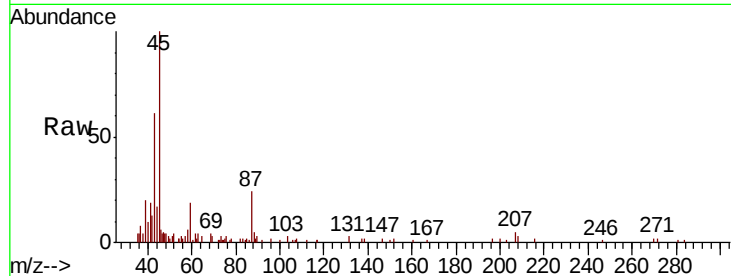
ClientSampleId :

Tot Ion: 43 Resp: 6420

Ion Ratio Lower Upper

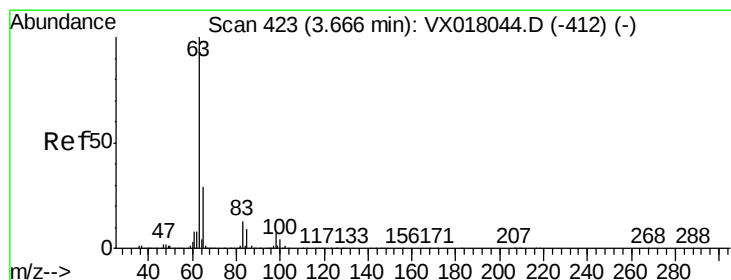
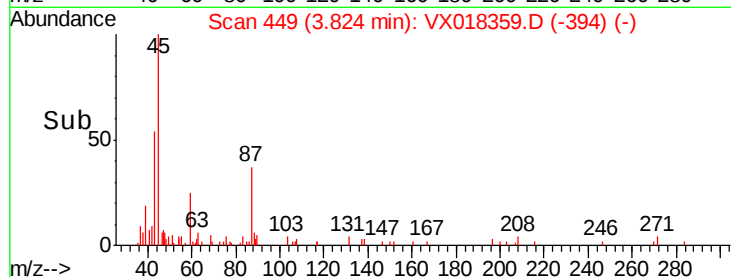
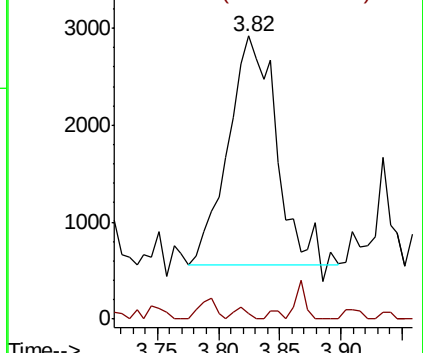
43 100

86 2.5 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 2.523 ug/l

RT: 3.68 min Scan# 426

Delta R.T. 0.02 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

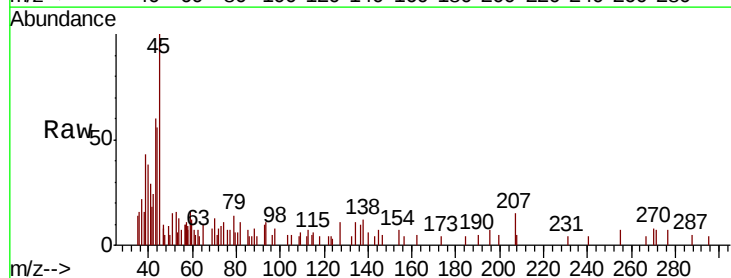
Tgt Ion: 63 Resp: 142

Ion Ratio Lower Upper

63 100

98 66.3 3.6 10.8#

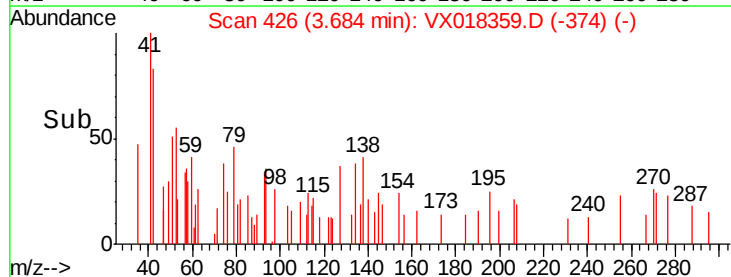
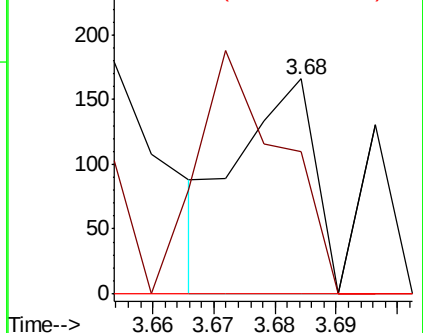
100 0.0 2.0 6.0#

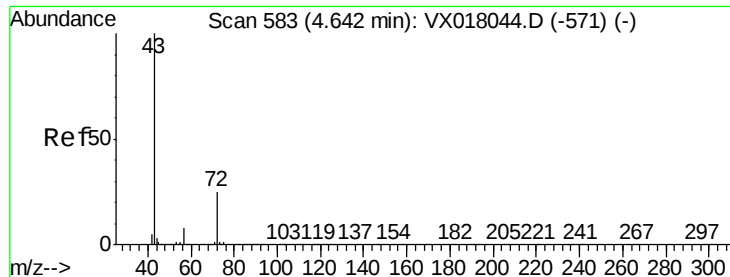


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 3760.804 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

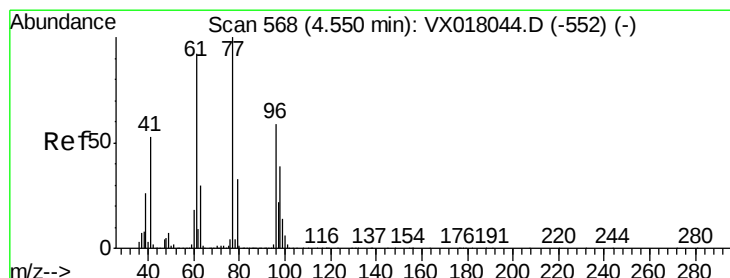
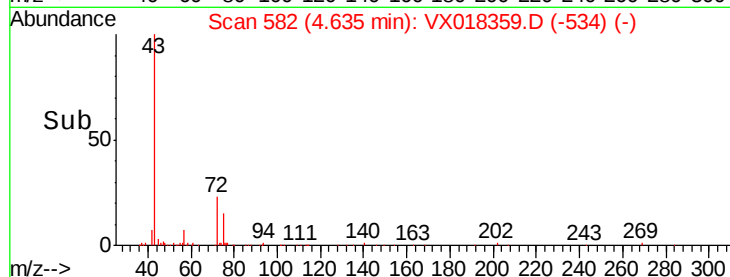
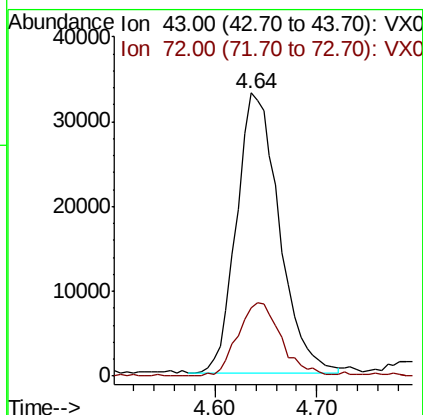
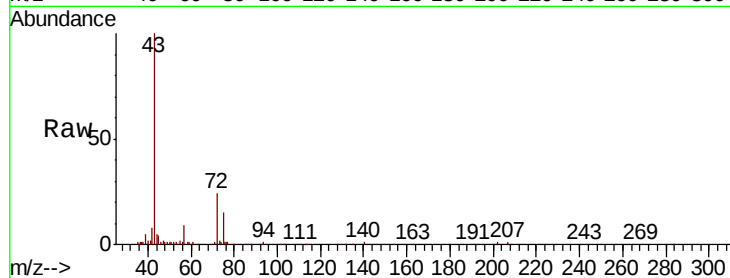
ClientSampleId :

Tot Ion: 43 Resp: 95389

Ion Ratio Lower Upper

43 100

72 24.3 19.8 29.6



#26

2,2-Dichloropropane

Concen: 41.602 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.12 min

Lab File: VX018359.D

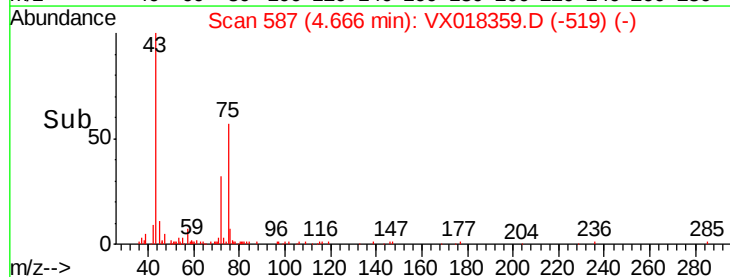
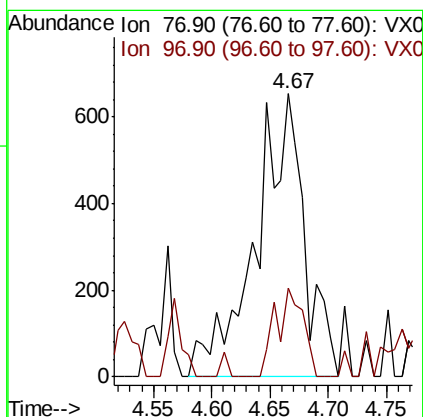
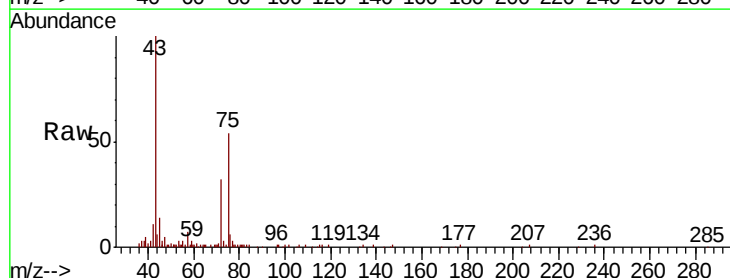
Acq: 11 Sep 2020 14:02

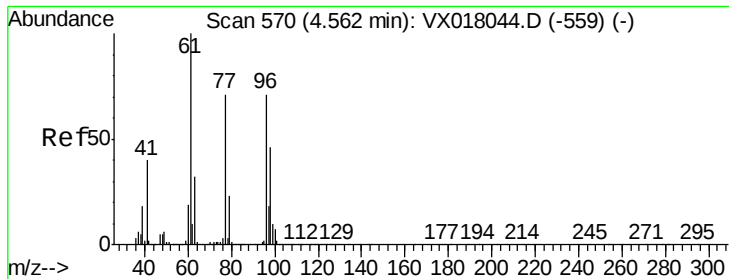
Tgt Ion: 77 Resp: 1905

Ion Ratio Lower Upper

77 100

97 17.4 11.5 34.5



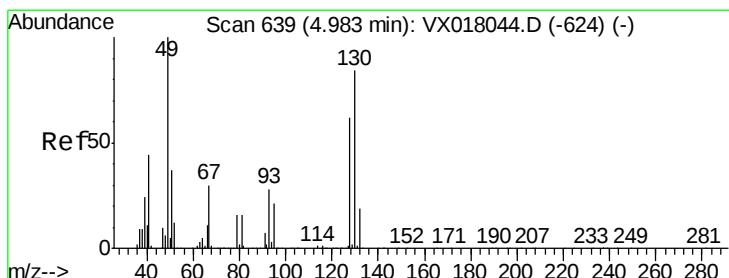
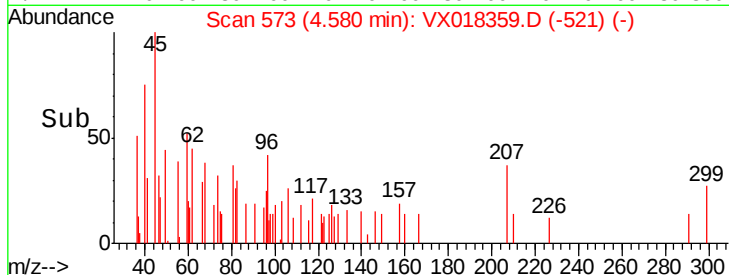
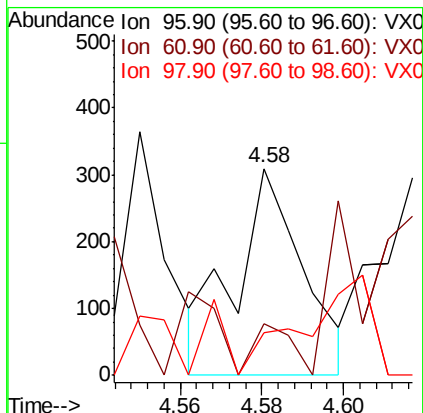
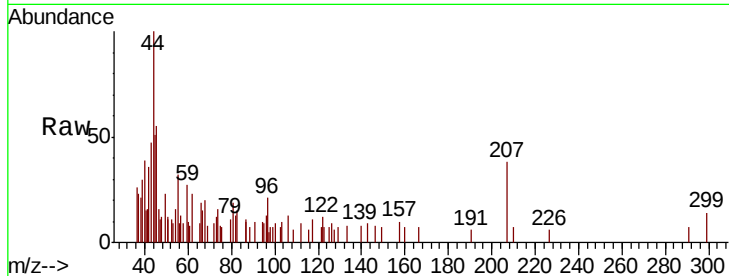


#27

cis-1,2-Dichloroethene
Concen: 10.003 ug/l
RT: 4.58 min Scan# 573
Delta R.T. 0.02 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampled :

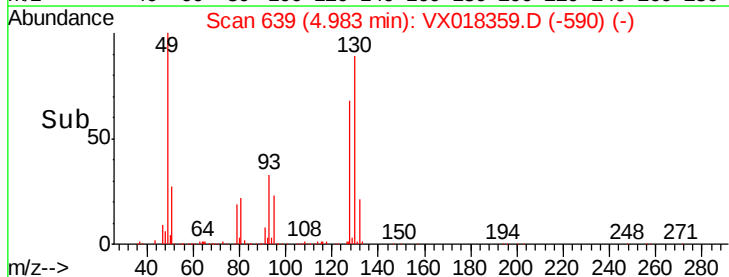
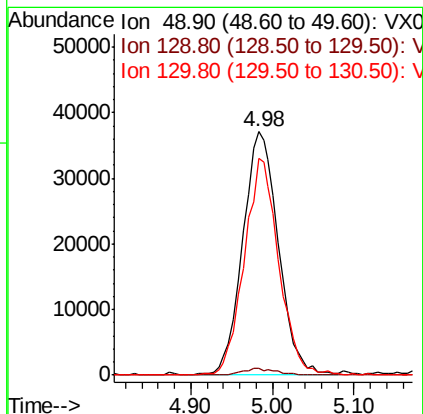
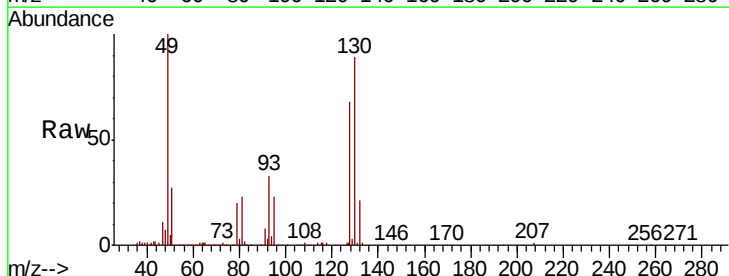
Tot Ion	Ratio	Lower	Upper
96	100		
61	23.0	0.0	296.6
98	11.5	0.0	130.2

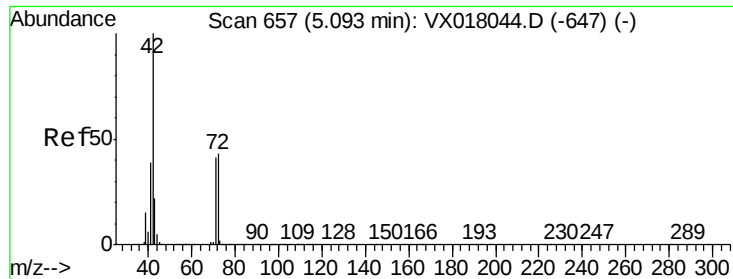


#28

Bromochloromethane
Concen: 4151.642 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.6
130	86.0	64.6	96.8

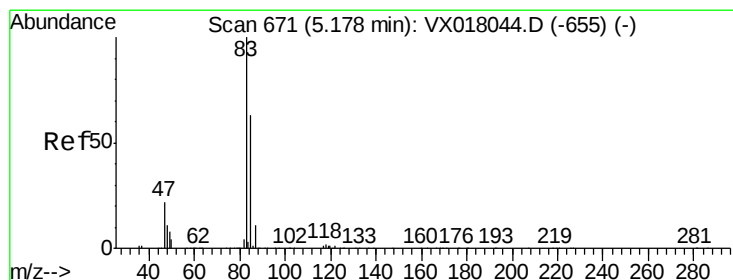
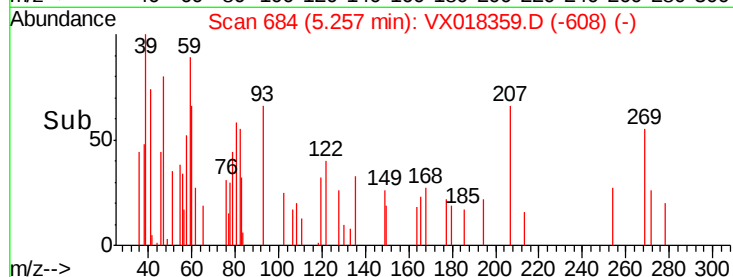
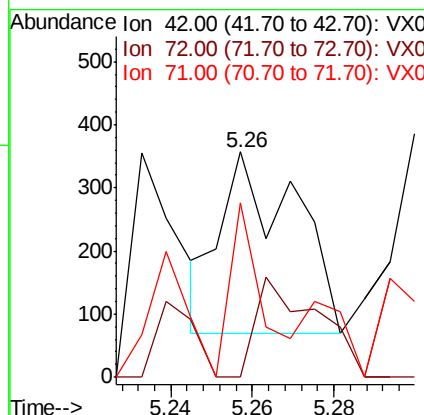
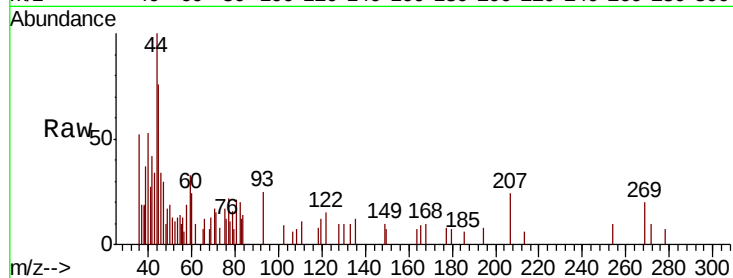




#29
Tetrahydrofuran
Concen: 22.420 ug/l
RT: 5.26 min Scan# 684
Delta R.T. 0.16 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

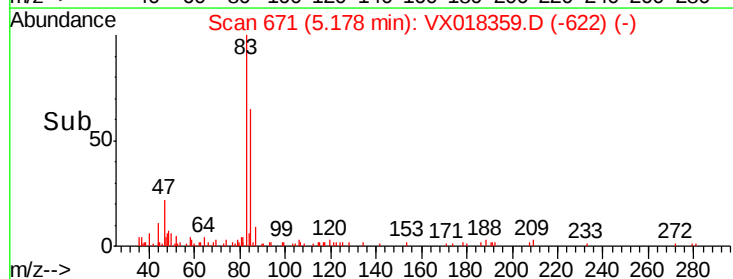
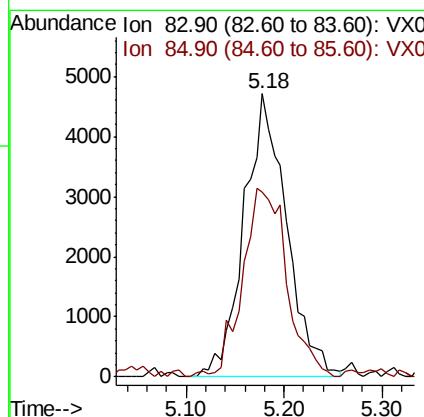
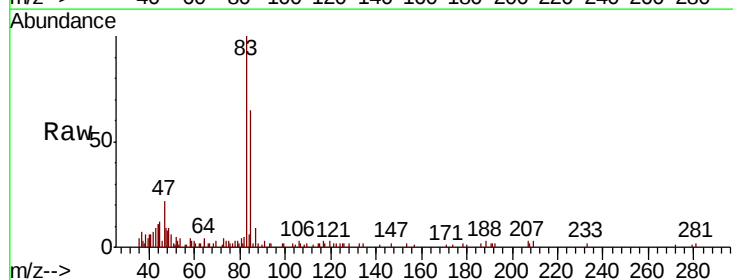
Instrument :
MSVOA_X
ClientSampleId :

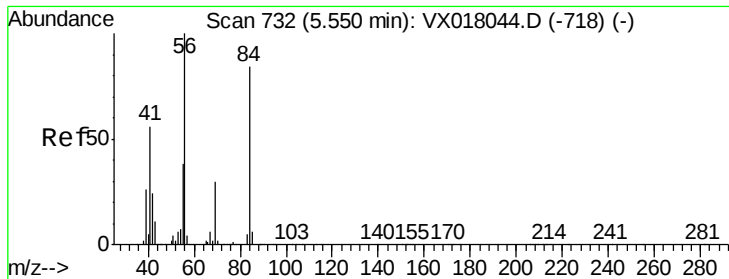
Tot Ion: 42 Resp: 362
Ion Ratio Lower Upper
42 100
72 45.6 34.2 51.4
71 42.0 32.1 48.1



#30
Chloroform
Concen: 244.397 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 83 Resp: 14242
Ion Ratio Lower Upper
83 100
85 65.3 50.7 76.1

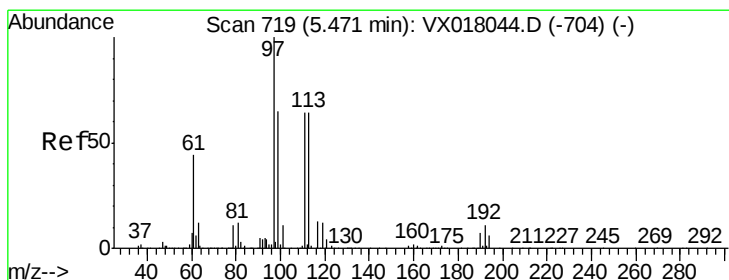
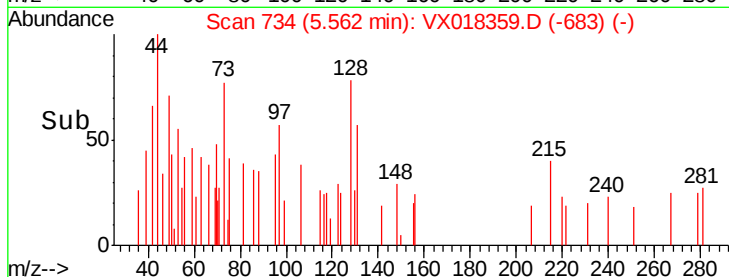
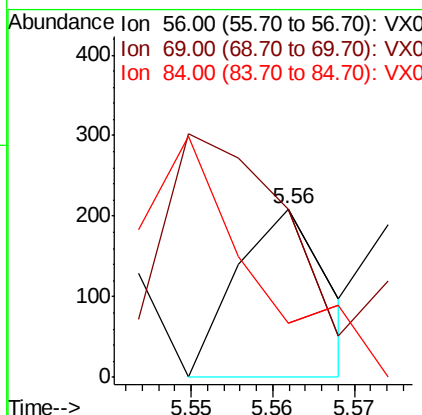
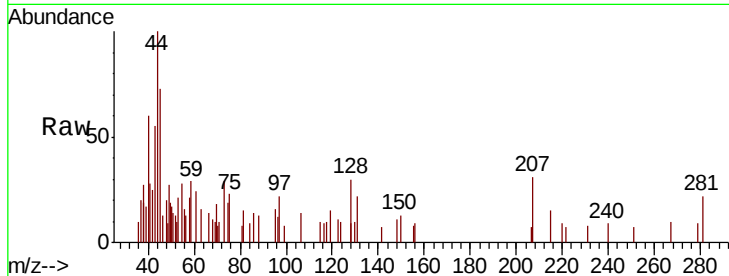




#31
Cvclohexane
Concen: 3.459 ug/l
RT: 5.56 min Scan# 734
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

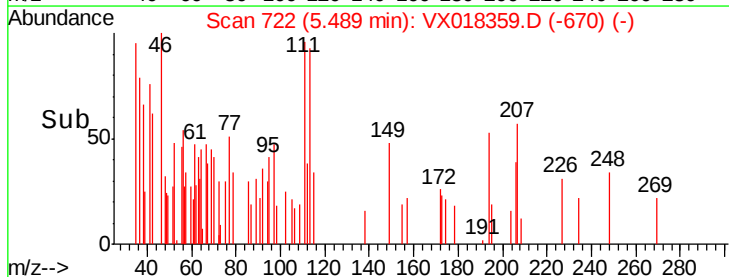
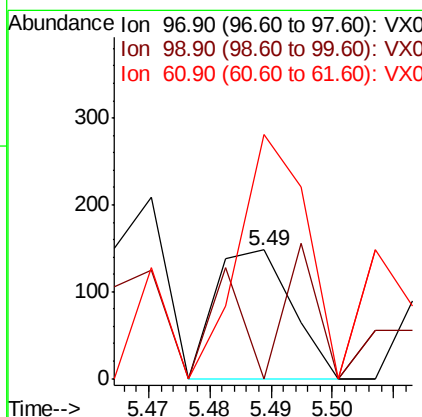
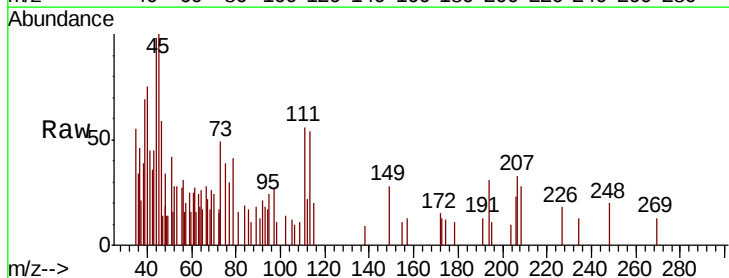
Instrument :
MSVOA_X
ClientSampleId :

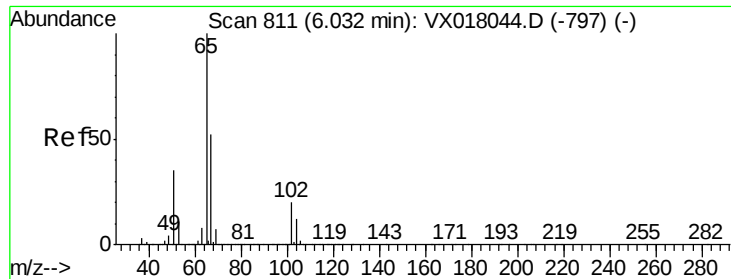
Tot Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
69 99.4 23.9 35.9#
84 0.0 67.0 100.4#



#32
1,1,1-Trichloroethane
Concen: 2.394 ug/l
RT: 5.49 min Scan# 722
Delta R.T. 0.02 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 97 Resp: 128
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 203.1 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 4750.227 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

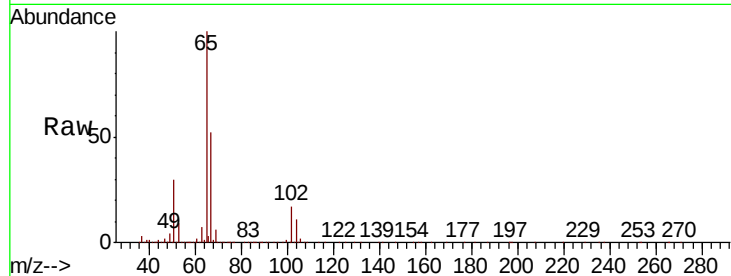
ClientSampleId :

Tot Ion: 65 Resp: 188142

Ion Ratio Lower Upper

65 100

67 49.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

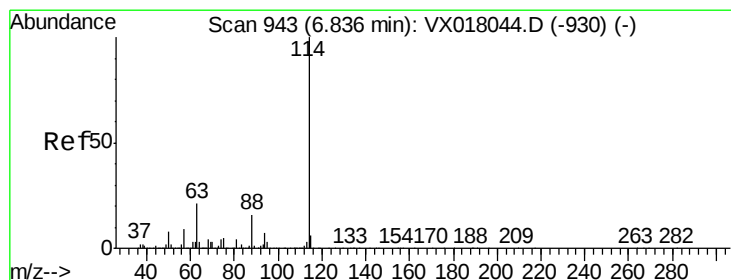
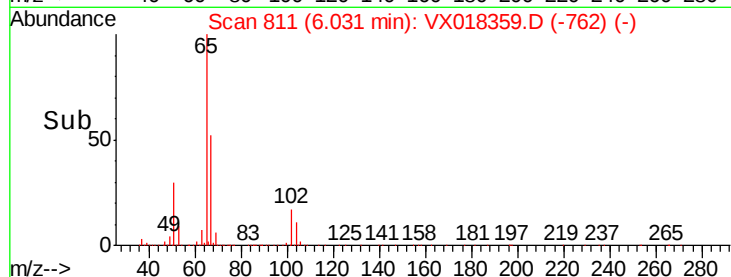
40000

20000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

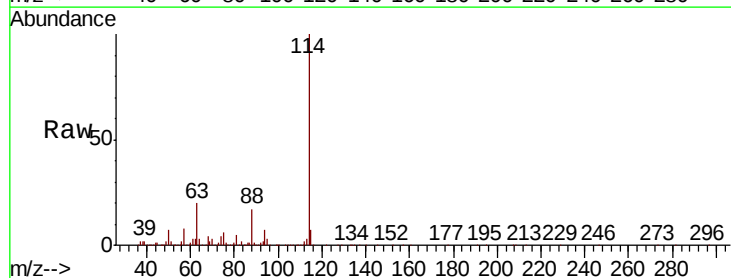
Tgt Ion: 114 Resp: 407713

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 17.0 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

6.84

200000

150000

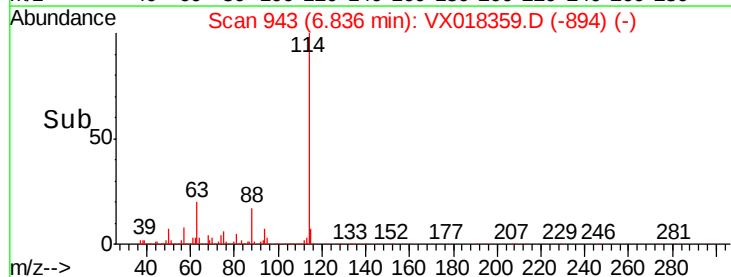
100000

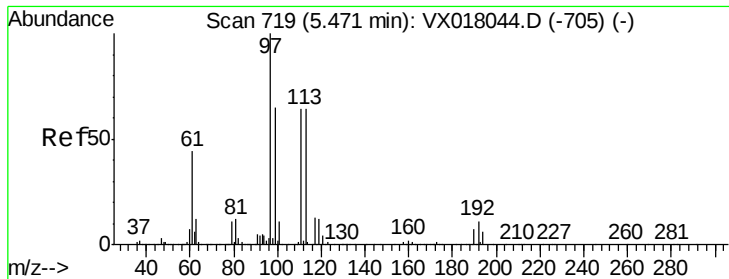
50000

0

6.70 6.80 6.90

Time-->

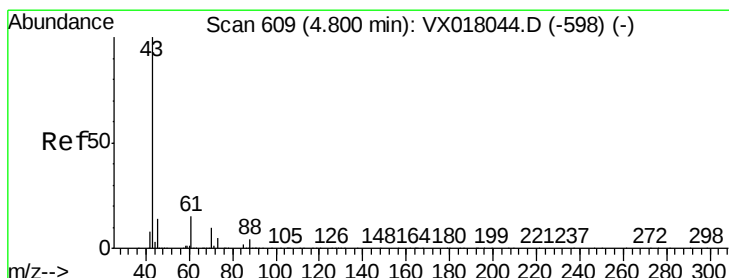
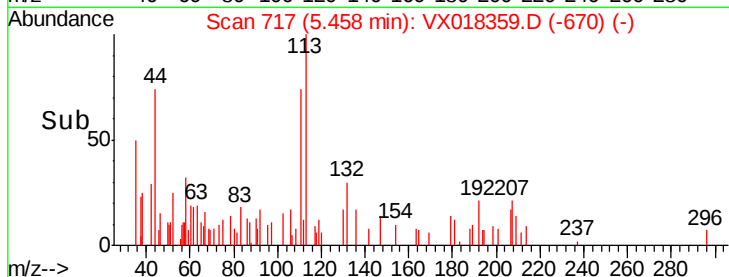
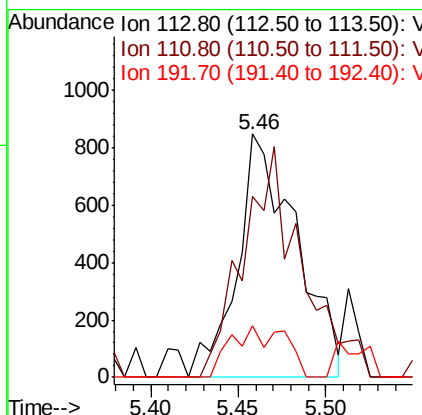
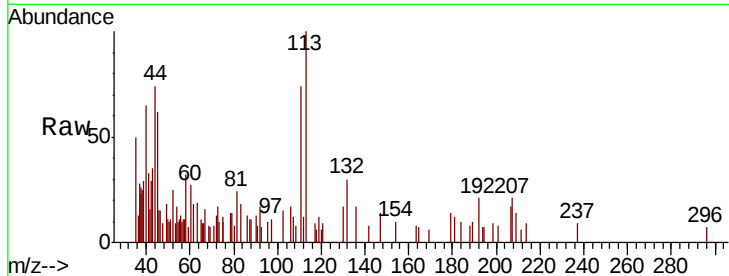




#35
Dibromofluoromethane
Concen: 0.715 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

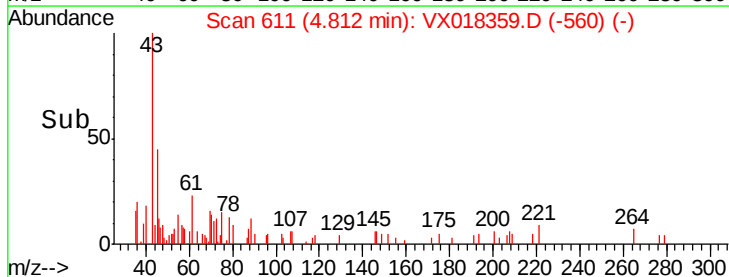
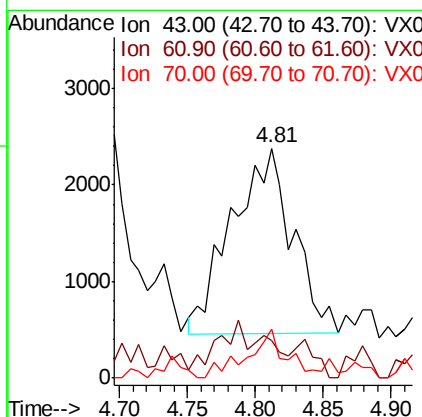
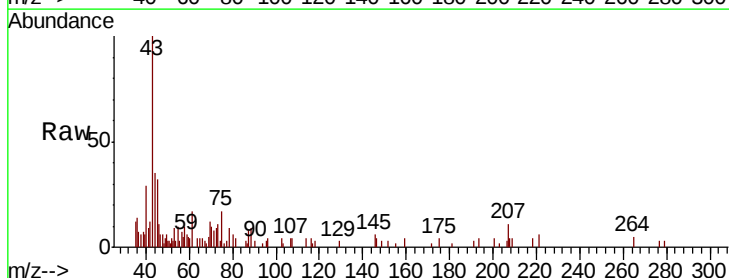
Instrument :
MSVOA_X
ClientSampled :

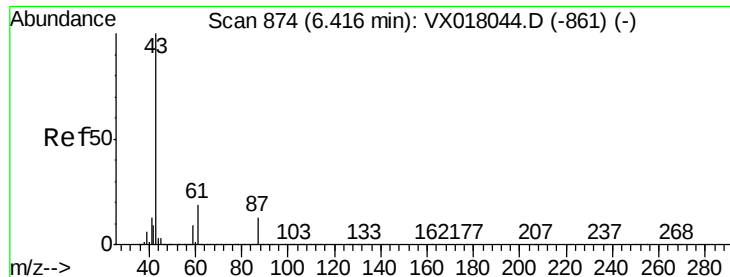
Tot Ion:113 Resp: 1985
Ion Ratio Lower Upper
113 100
111 94.2 81.6 122.4
192 11.7 15.8 23.8#



#37
Ethyl Acetate
Concen: 1.374 ug/l
RT: 4.81 min Scan# 611
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 43 Resp: 5999
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 17.1 8.2 12.4#





#43

Isopropyl Acetate

Concen: 4.614 ug/l

RT: 6.42 min Scan# 875

Delta R.T. 0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

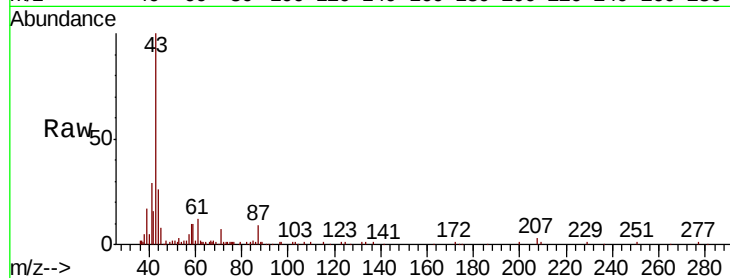
Tot Ion: 43 Resp: 32550

Ion Ratio Lower Upper

43 100

61 17.3 15.7 23.5

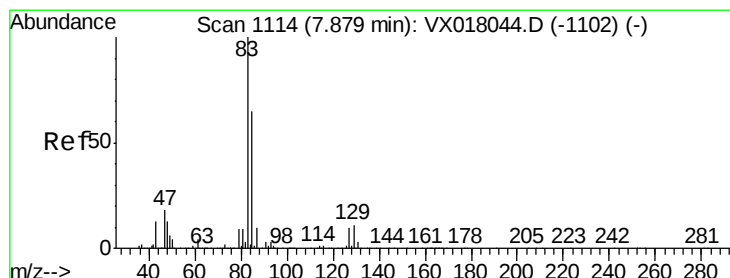
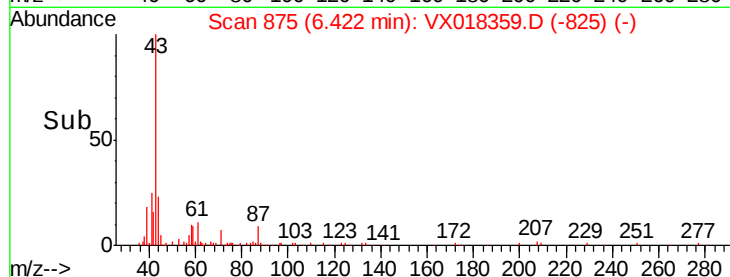
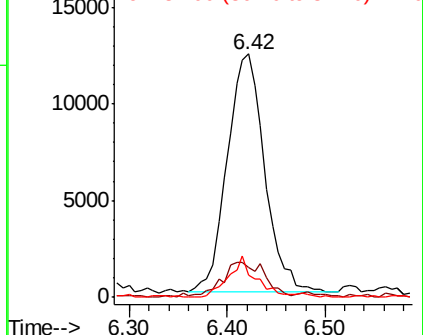
87 12.5 10.3 15.5



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



#47

Bromodichloromethane

Concen: 0.457 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

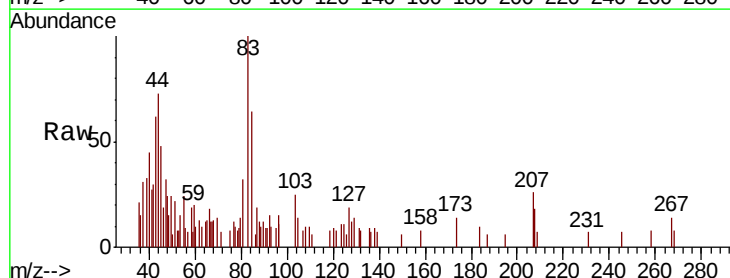
Tgt Ion: 83 Resp: 1913

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.6

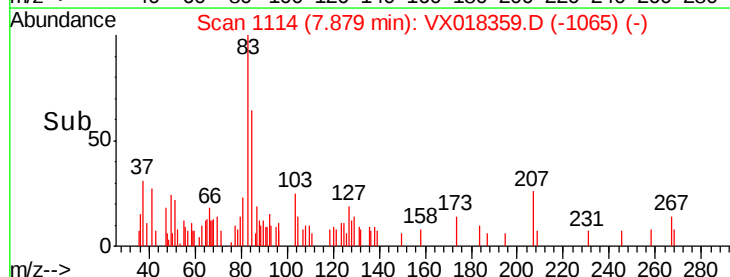
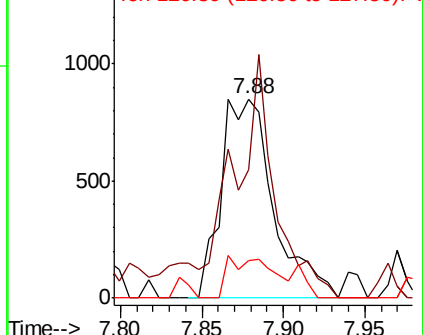
127 19.1 7.7 11.5#

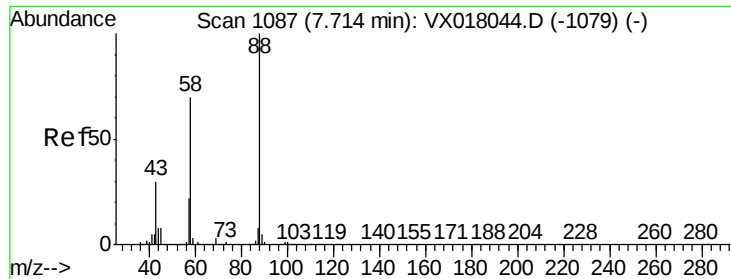


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

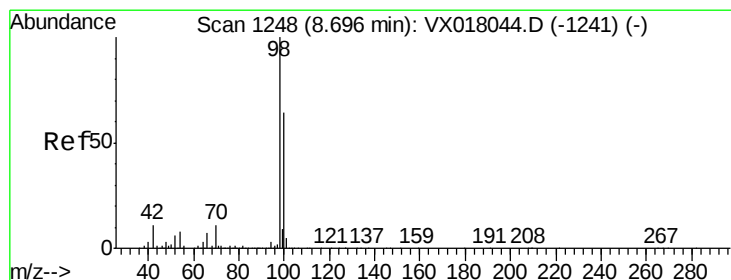
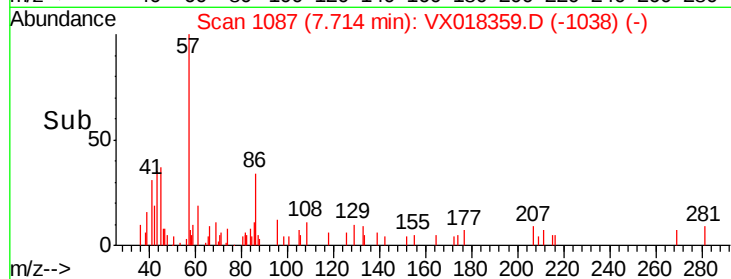
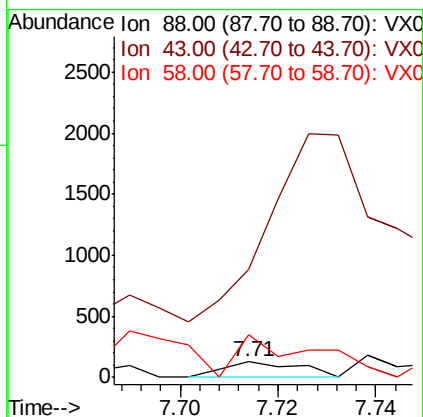
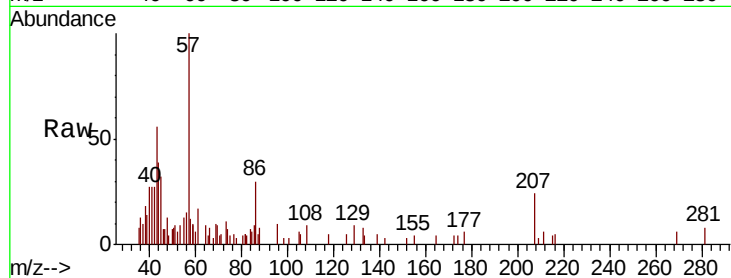




#49
1,4-Dioxane
Concen: 2.185 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

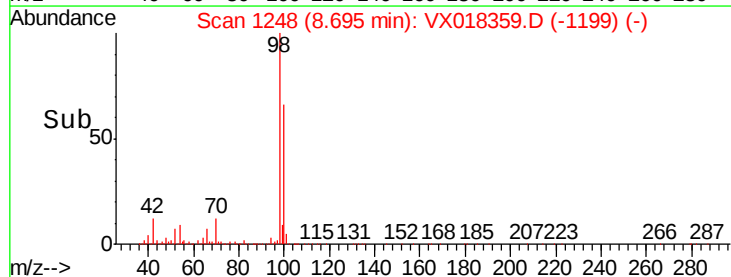
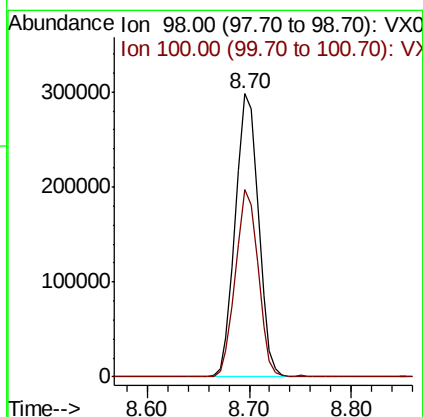
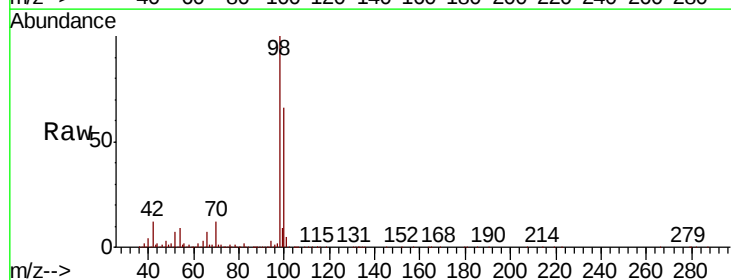
Instrument :
MSVOA_X
ClientSampleId :

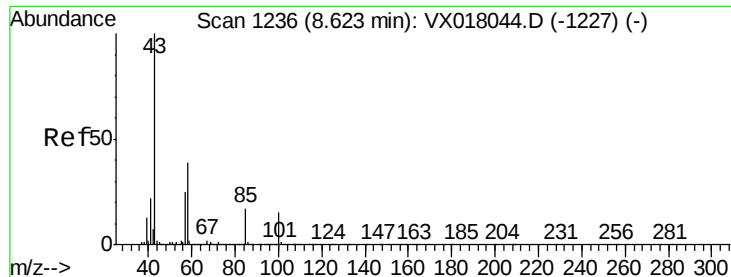
Tot Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 2525.2 27.4 41.0#
58 280.6 56.4 84.6#



#50
Toluene-d8
Concen: 45.246 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 98 Resp: 467938
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.690 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

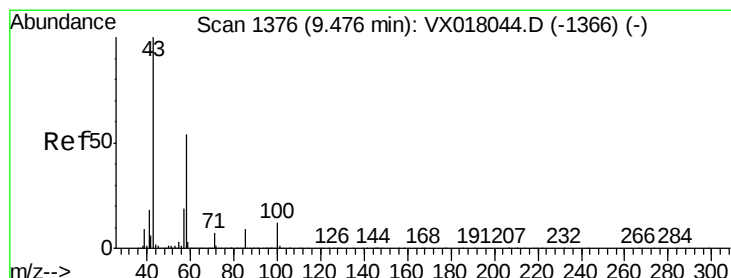
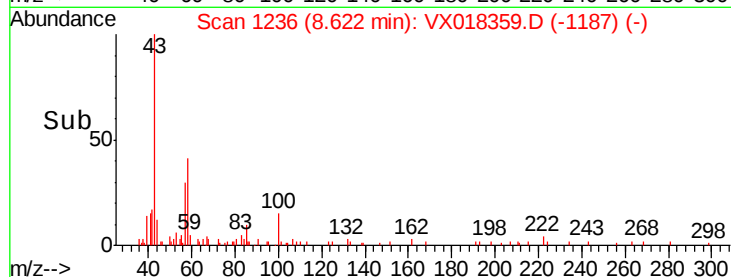
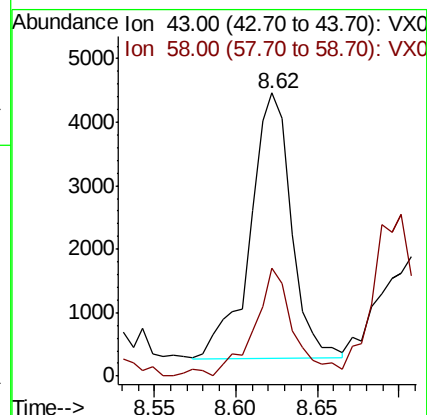
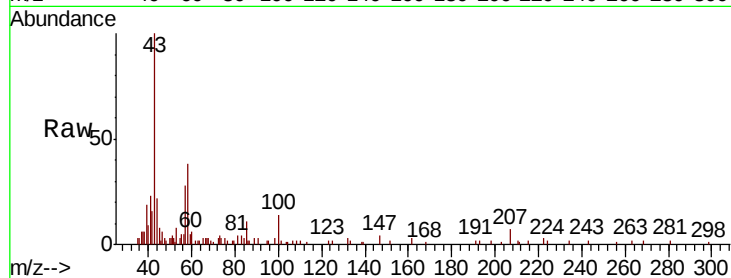
ClientSampleId :

Tot Ion: 43 Resp: 7363

Ion Ratio Lower Upper

43 100

58 38.2 30.7 46.1



#59

2-Hexanone

Concen: 0.987 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX018359.D

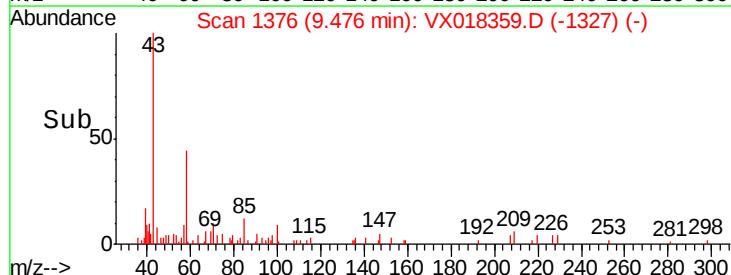
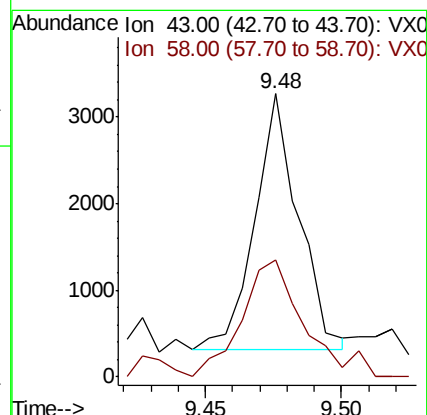
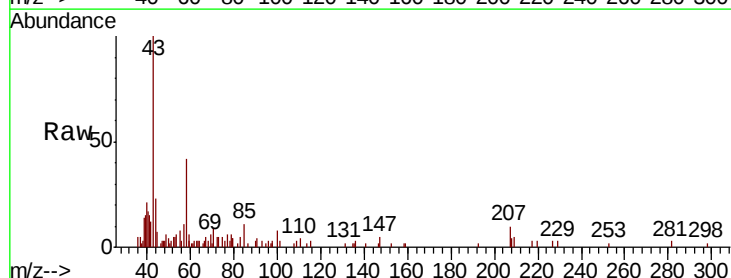
Acq: 11 Sep 2020 14:02

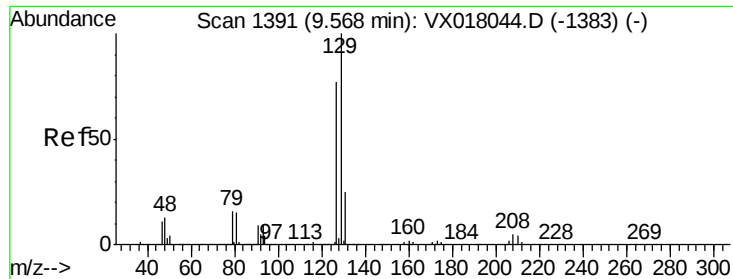
Tgt Ion: 43 Resp: 3270

Ion Ratio Lower Upper

43 100

58 65.7 26.6 79.7

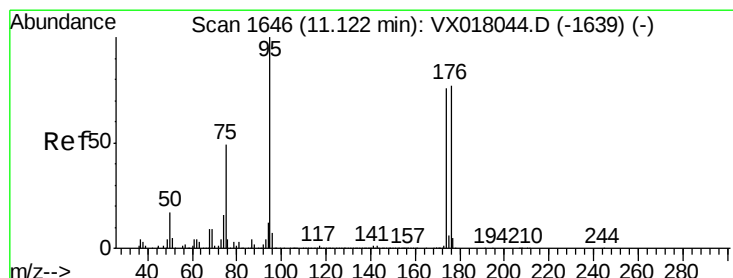
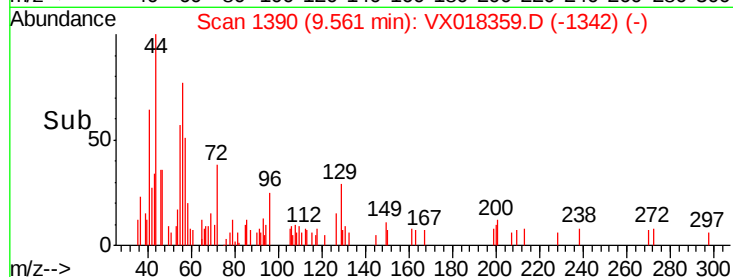
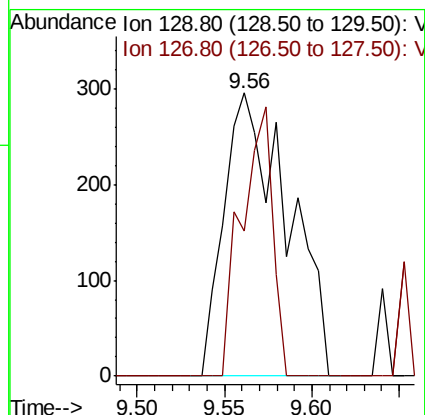
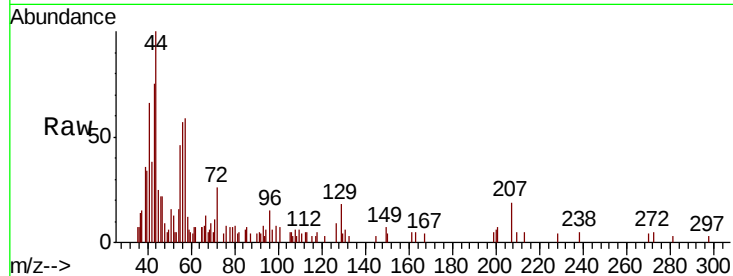




#60
Dibromochloromethane
Concen: 0.215 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

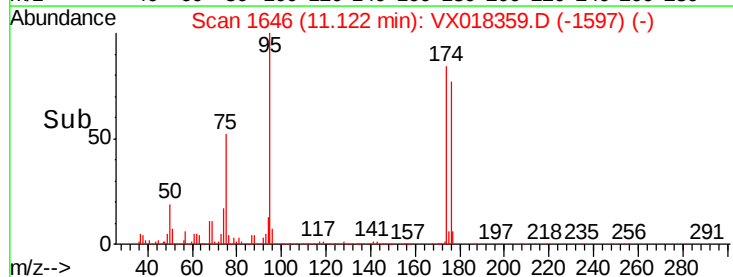
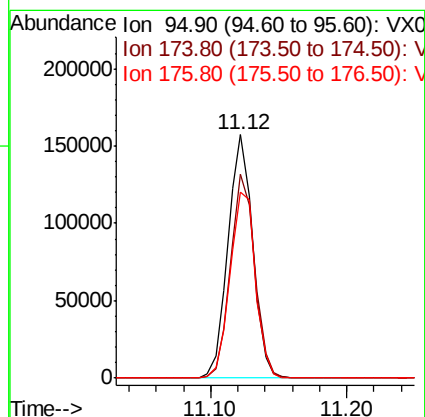
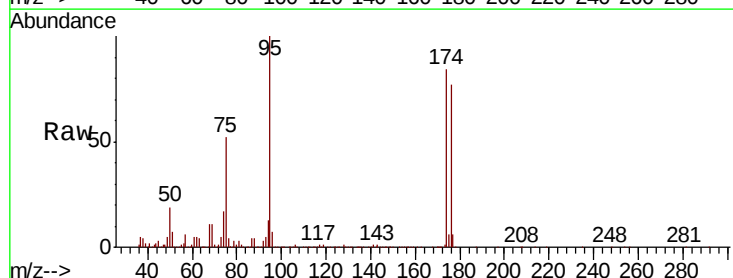
Instrument :
MSVOA_X
ClientSampleId :

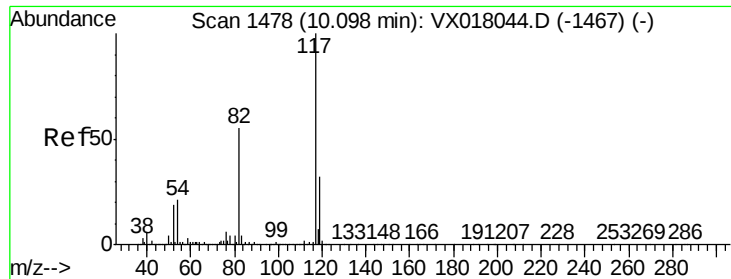
Tot Ion:129 Resp: 754
Ion Ratio Lower Upper
129 100
127 45.9 38.9 116.6



#62
4-Bromofluorobenzene
Concen: 48.584 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 95 Resp: 197687
Ion Ratio Lower Upper
95 100
174 82.7 0.0 160.2
176 79.0 0.0 155.8

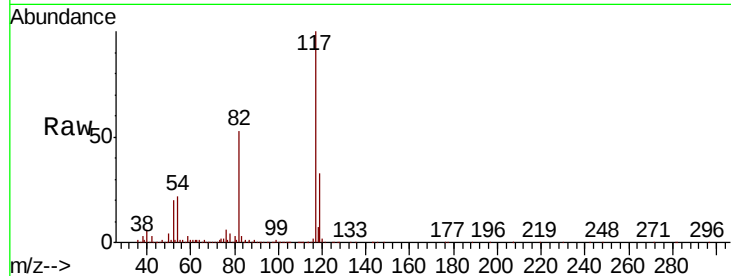




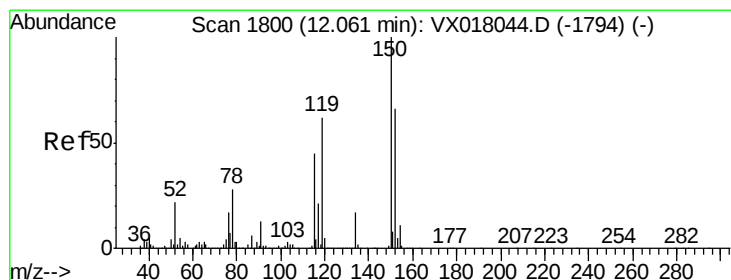
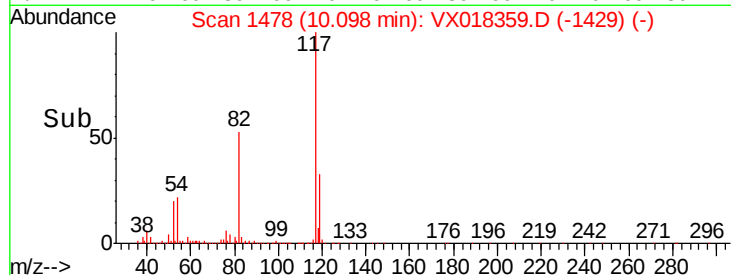
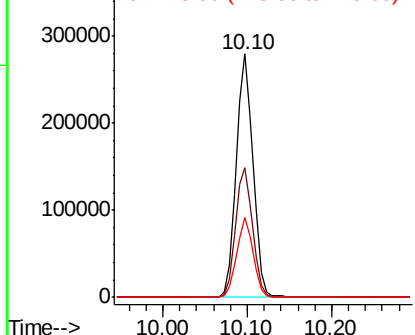
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.2	66.2
119	33.0	25.7	38.5

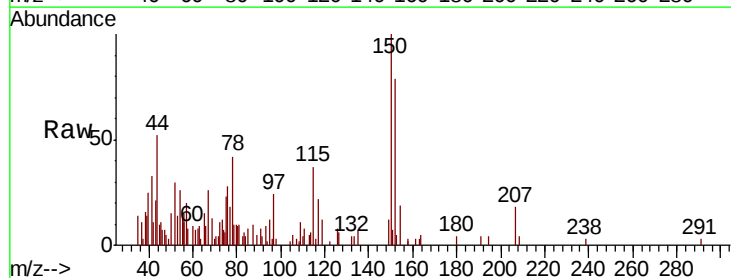


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

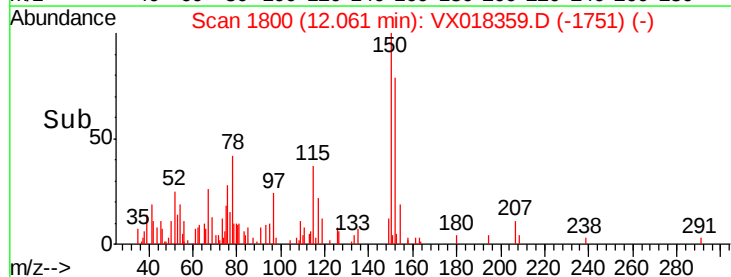
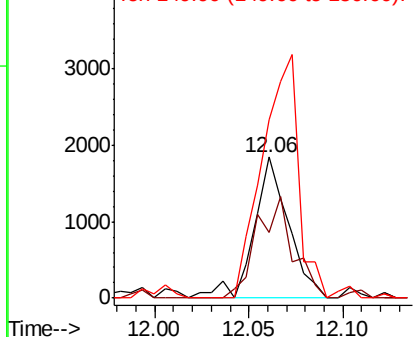


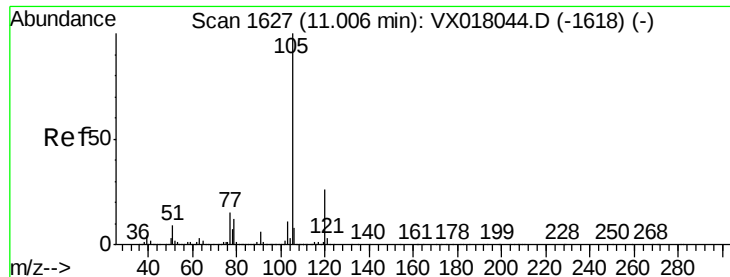
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.9	41.5	124.5
150	182.2	0.0	343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.516 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

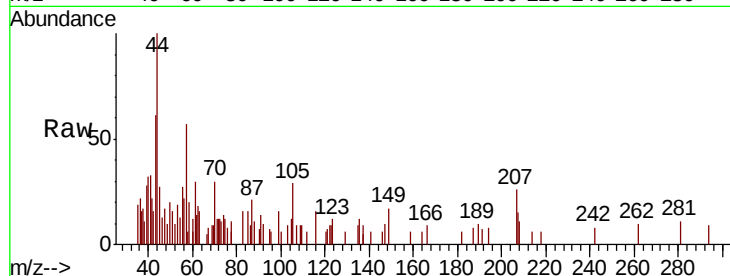
ClientSampled :

Tot Ion: 105 Resp: 1010

Ion Ratio Lower Upper

105 100

120 19.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

400

300

200

100

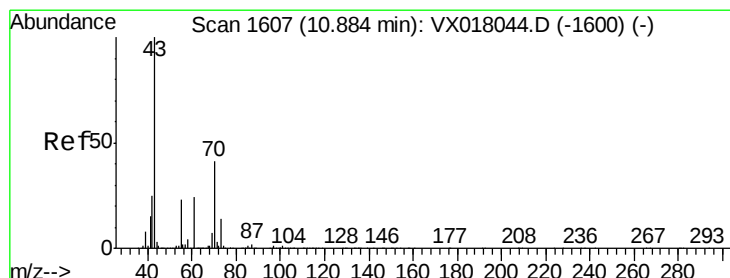
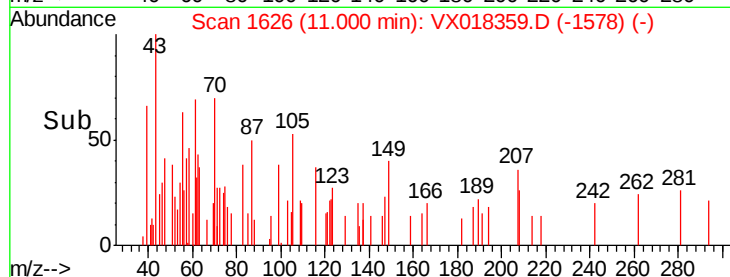
0

Time-->

10.95

11.00

11.05



#74

N-ethyl acetate

Concen: 80.983 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Tgt Ion: 43 Resp: 5956

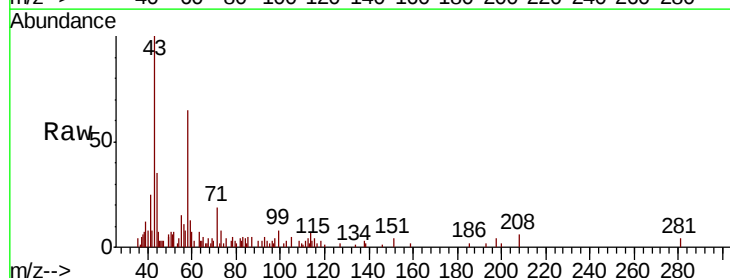
Ion Ratio Lower Upper

43 100

70 2.5 32.3 48.5#

55 0.0 18.2 27.2#

61 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

5000

4000

3000

2000

1000

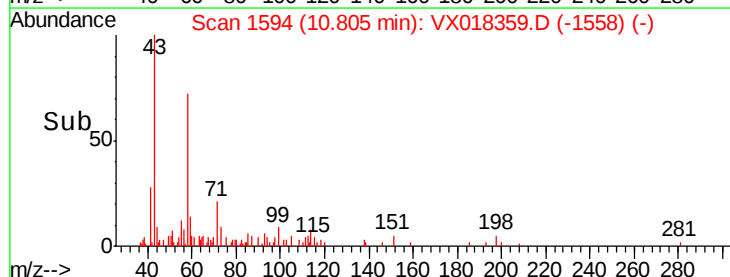
0

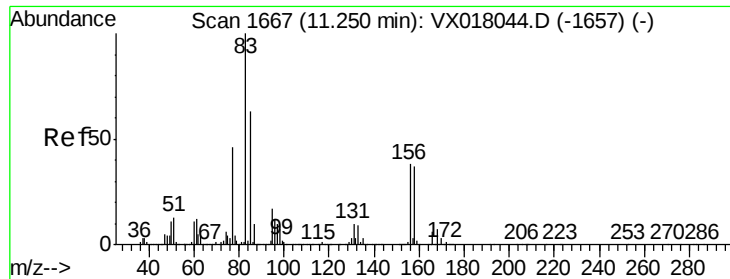
Time-->

10.75

10.80

10.85





#75

1,1,2,2-Tetrachloroethane

Concen: 5.541 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.09 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

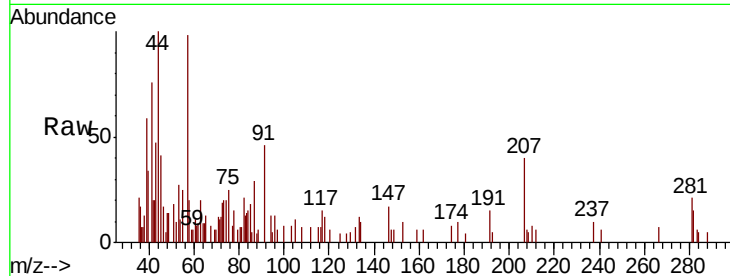
Tot Ion: 83 Resp: 303

Ion Ratio Lower Upper

83 100

131 14.9 5.1 15.4

85 87.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

11.34

300

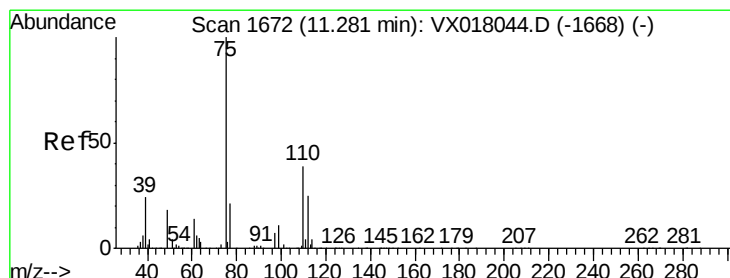
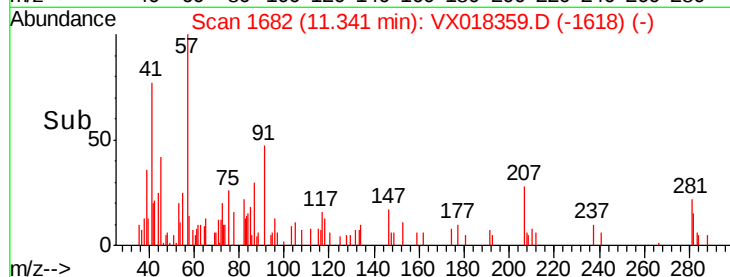
200

100

0

11.32 11.34 11.36 11.38

Time-->



#76

1,2,3-Trichloropropane

Concen: 1962.941 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018359.D

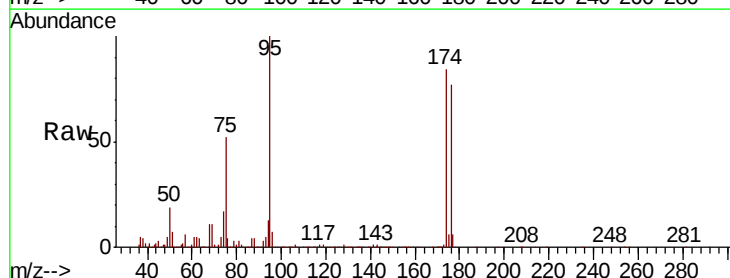
Acq: 11 Sep 2020 14:02

Tgt Ion: 75 Resp: 102616

Ion Ratio Lower Upper

75 100

77 1.8 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

80000

60000

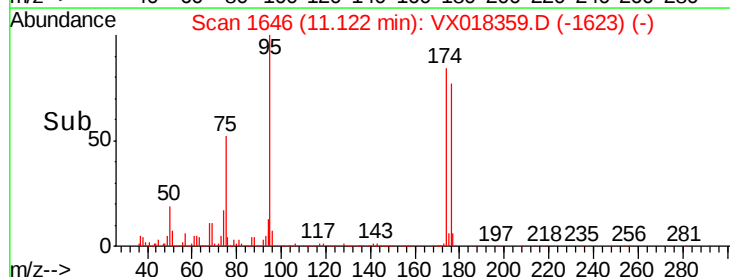
40000

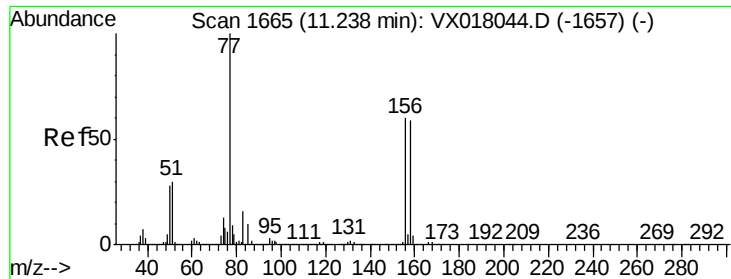
20000

0

11.05 11.10 11.15 11.20

Time-->





#77

Bromobenzene

Concen: 3.968 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

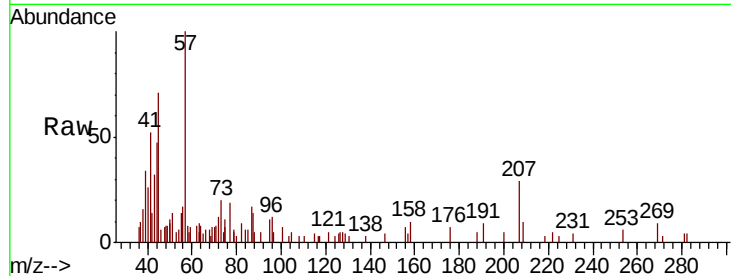
Tot Ion:156 Resp: 170

Ion Ratio Lower Upper

156 100

77 420.6 80.0 240.2#

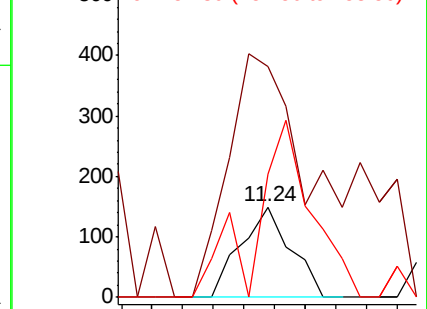
158 222.4 49.5 148.7#



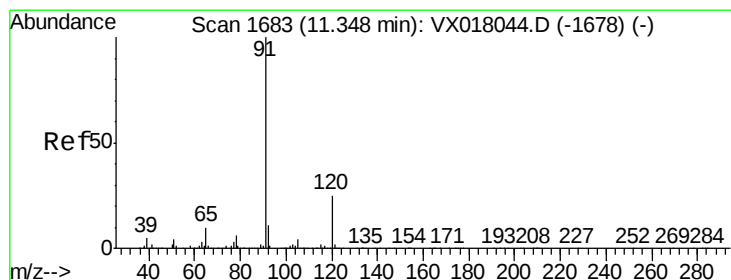
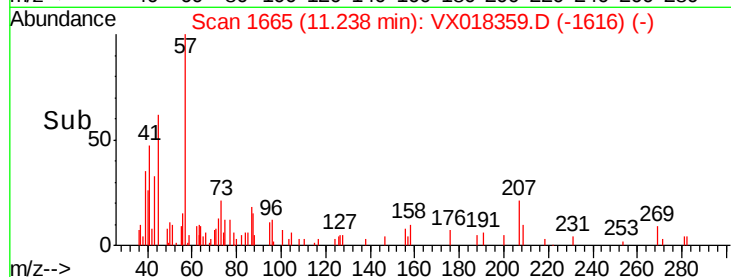
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 6.596 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX018359.D

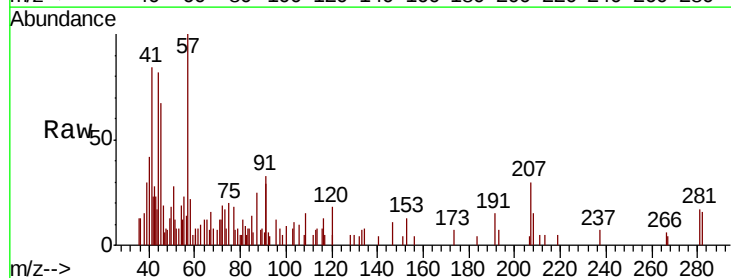
Acq: 11 Sep 2020 14:02

Tgt Ion: 91 Resp: 1161

Ion Ratio Lower Upper

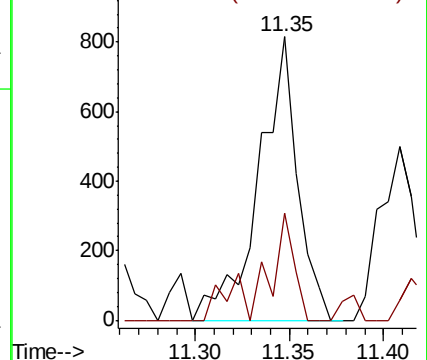
91 100

120 21.4 11.9 35.9

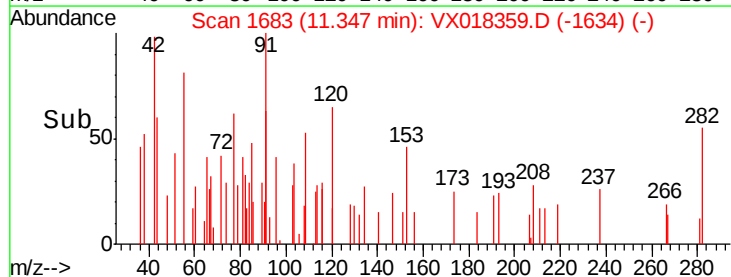


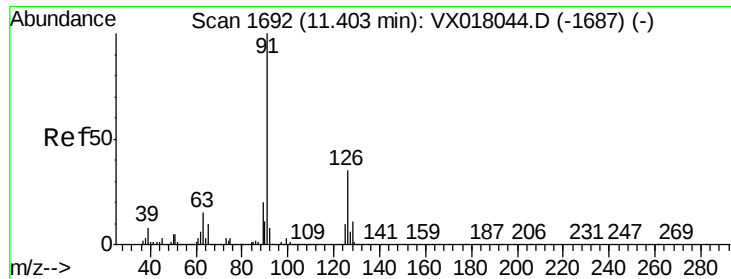
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->

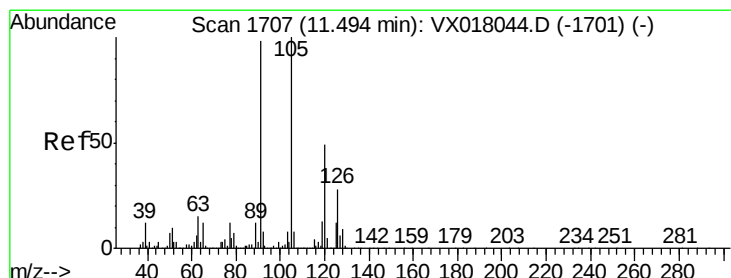
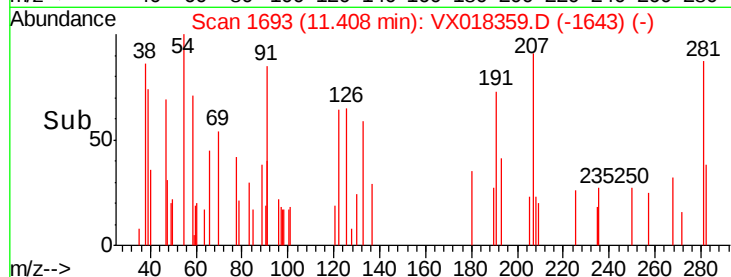
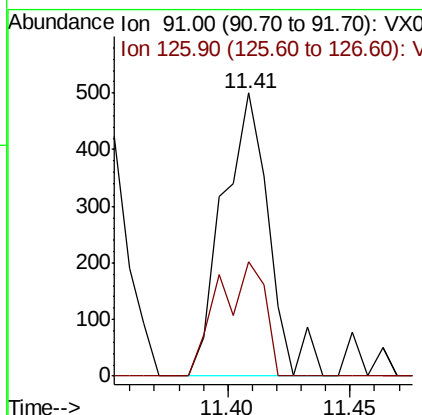
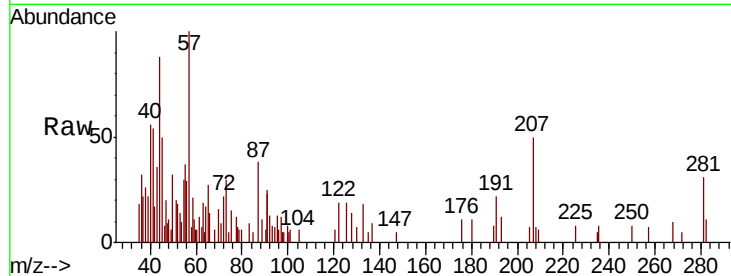




#79
2-Chlorotoluene
Concen: 6.014 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

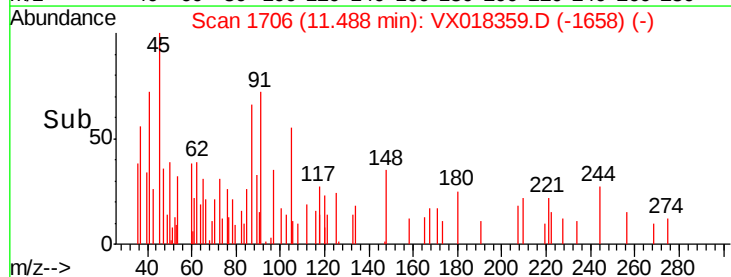
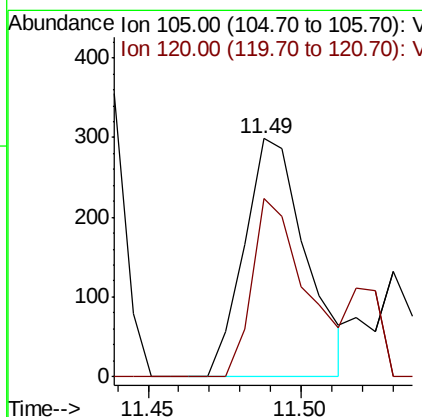
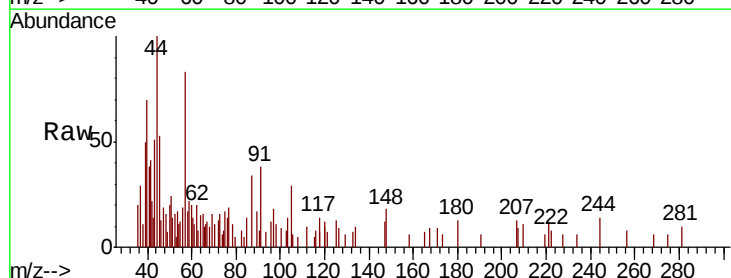
Instrument :
MSVOA_X
ClientSampled :

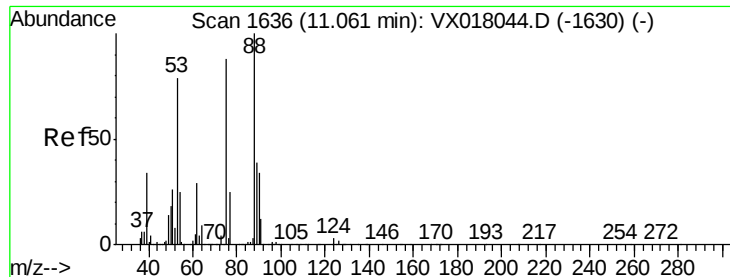
Tot Ion: 91 Resp: 654
Ion Ratio Lower Upper
91 100
126 40.4 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 3.282 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 105 Resp: 418
Ion Ratio Lower Upper
105 100
120 65.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 2680.185 ug/l

RT: 11.03 min Scan# 1631

Delta R.T. -0.03 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

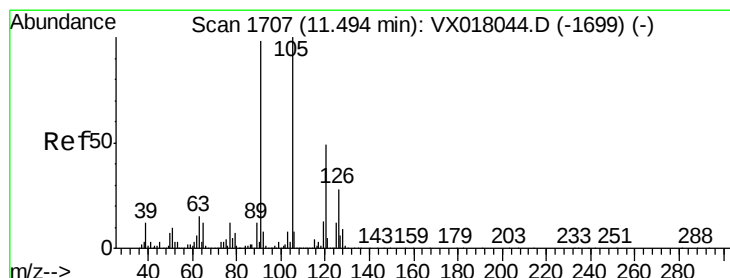
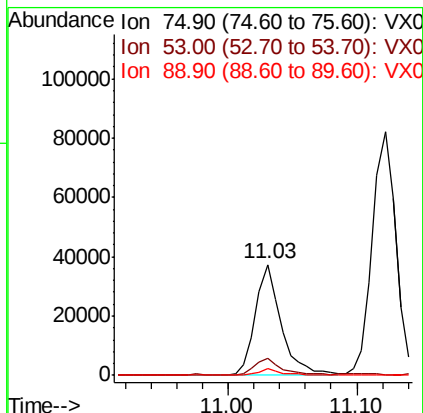
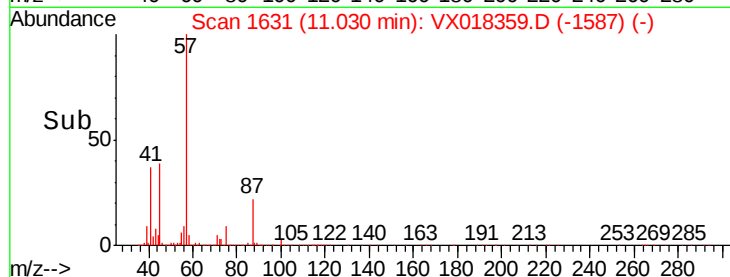
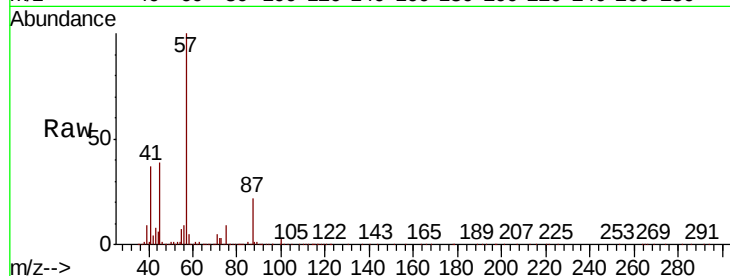
Tot Ion: 75 Resp: 51877

Ion Ratio Lower Upper

75 100

53 15.4 74.7 112.1#

89 6.1 36.6 54.8#



#82

4-Chlorotoluene

Concen: 8.184 ug/l

RT: 11.50 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VX018359.D

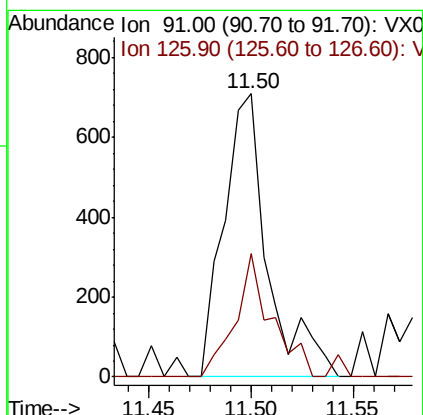
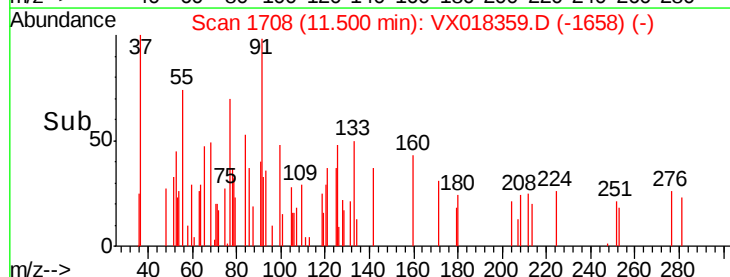
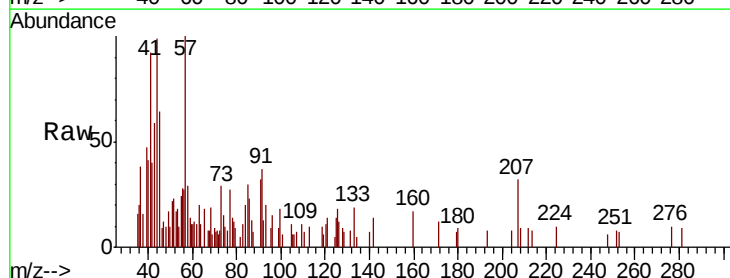
Acq: 11 Sep 2020 14:02

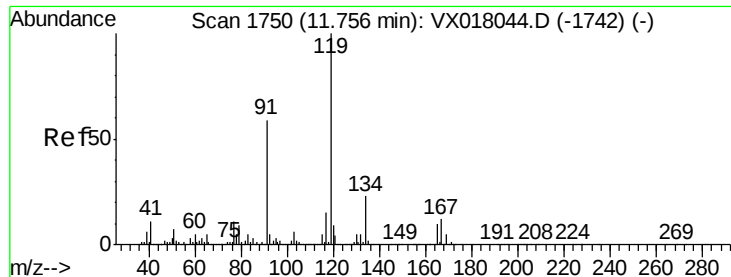
Tgt Ion: 91 Resp: 1058

Ion Ratio Lower Upper

91 100

126 35.8 15.1 45.3





#83

tert-Butylbenzene

Concen: 2.021 ug/l

RT: 11.75 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

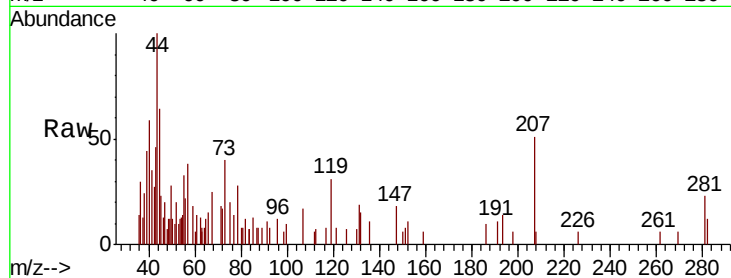
Tot Ion:119 Resp: 254

Ion Ratio Lower Upper

119 100

91 169.7 28.2 84.7#

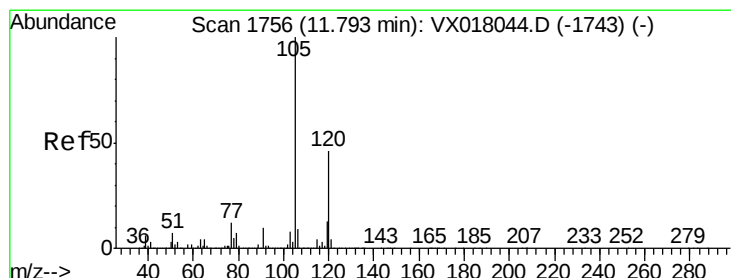
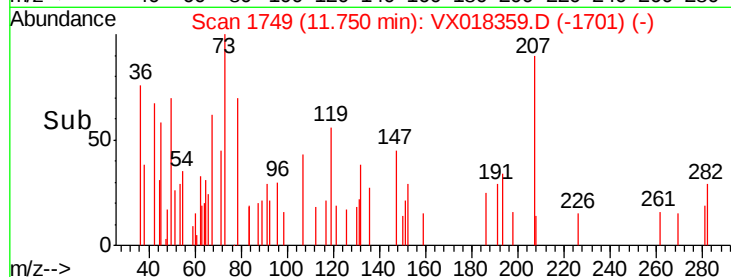
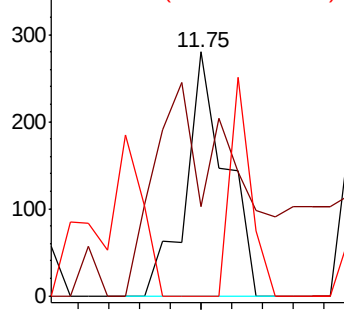
134 46.9 11.3 33.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.731 ug/l

RT: 11.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VX018359.D

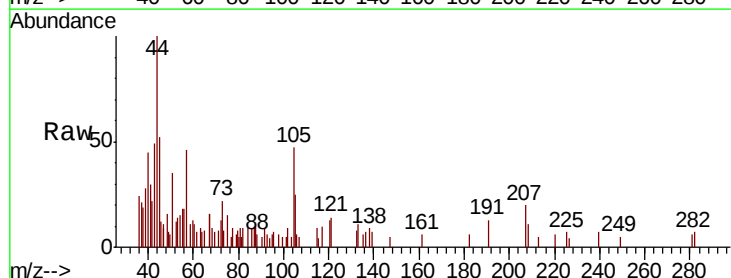
Acq: 11 Sep 2020 14:02

Tgt Ion:105 Resp: 1137

Ion Ratio Lower Upper

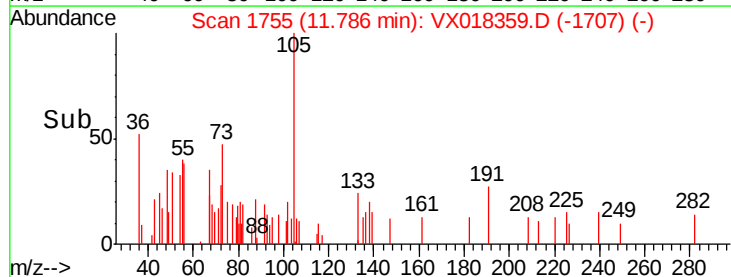
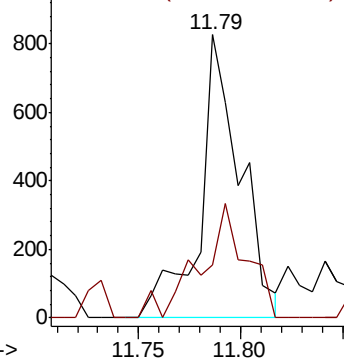
105 100

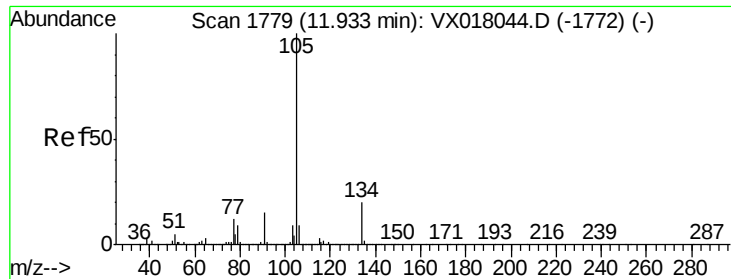
120 45.9 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.036 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

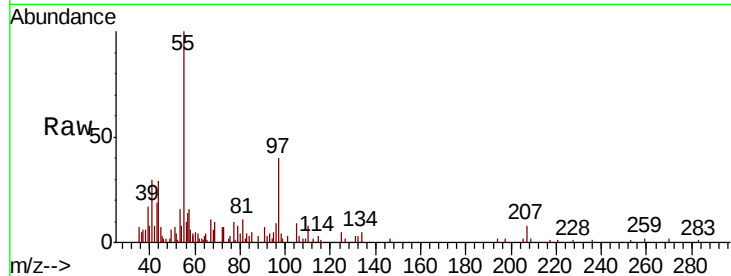
ClientSampleId :

Tot Ion:105 Resp: 577

Ion Ratio Lower Upper

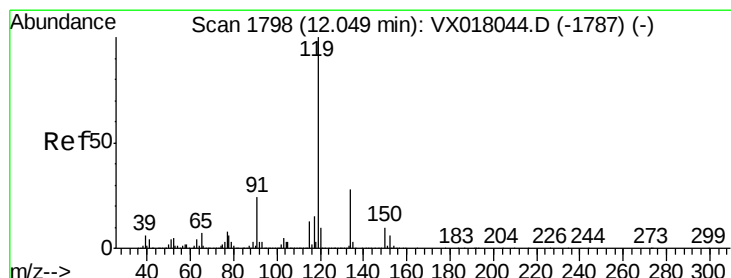
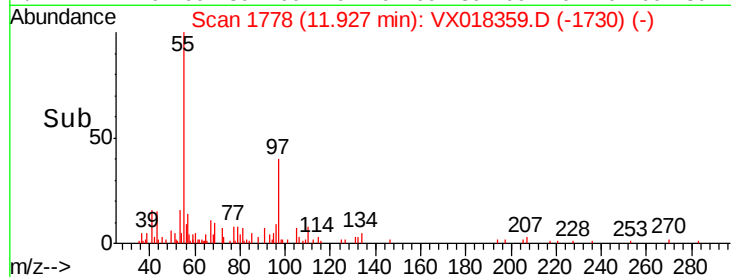
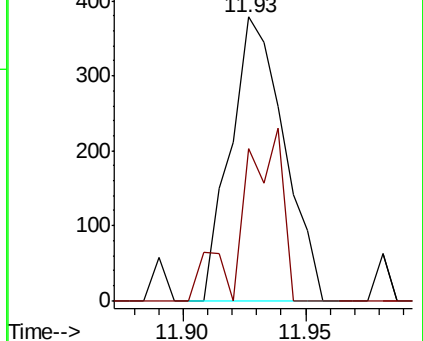
105 100

134 45.4 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.605 ug/l

RT: 12.04 min Scan# 1797

Delta R.T. -0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

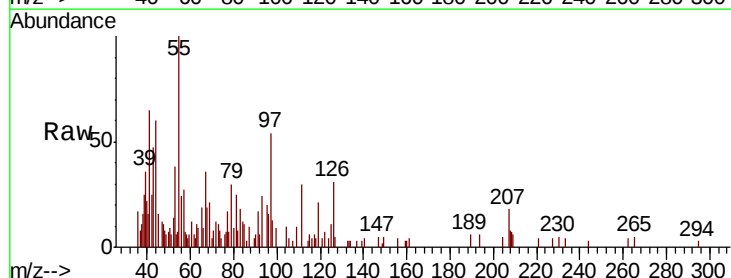
Tgt Ion:119 Resp: 736

Ion Ratio Lower Upper

119 100

134 14.4 13.2 39.5

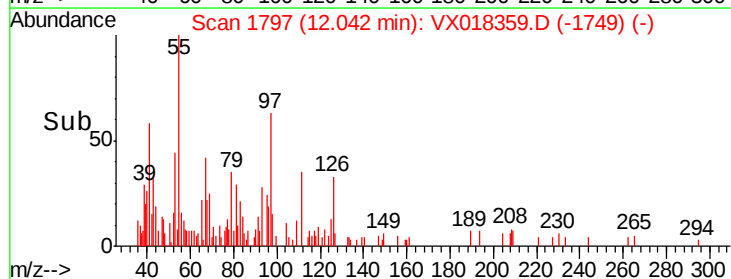
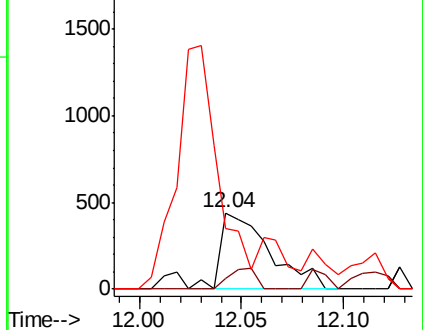
91 0.0 11.8 35.4#

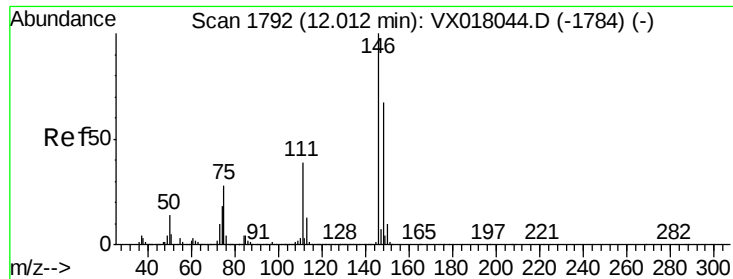


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

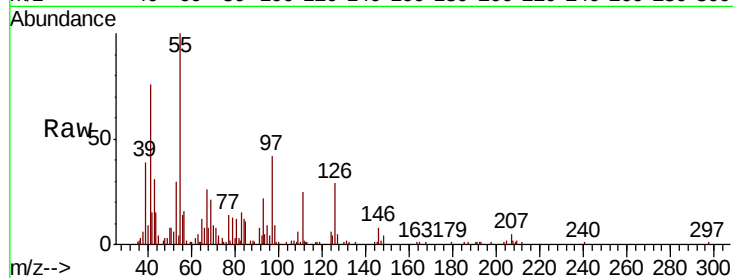




#87
 1,3-Dichlorobenzene
 Concen: 10.581 ug/l
 RT: 12.02 min Scan# 1793
 Delta R.T. 0.01 min
 Lab File: VX018359.D
 Acq: 11 Sep 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	539.8	20.6	61.8#
148	66.6	33.1	99.2

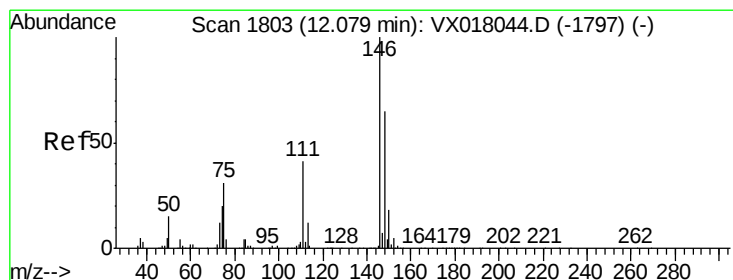
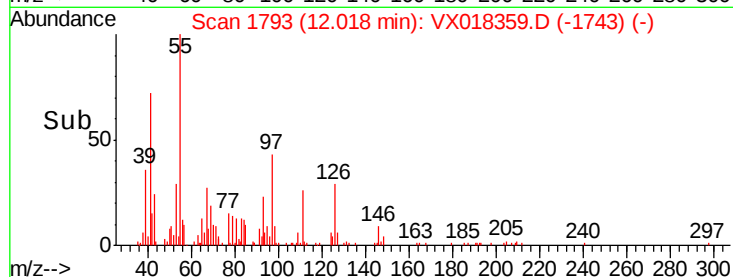
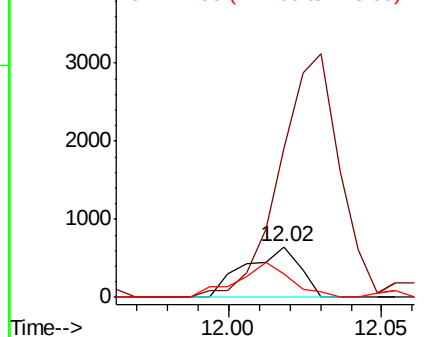


Abundance

Ion 145.90 (145.60 to 146.60): V

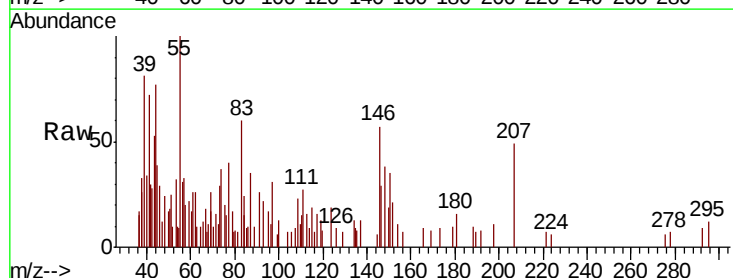
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 11.776 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018359.D
 Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	101.5	20.3	60.8#
148	70.9	33.1	99.2

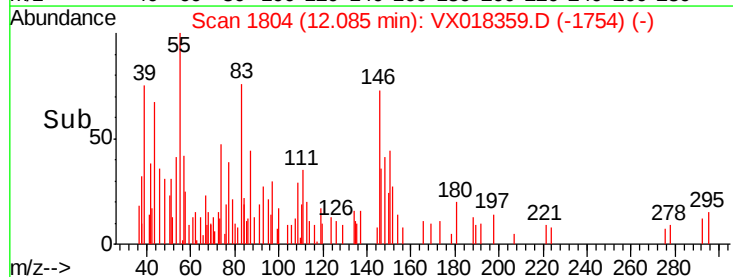
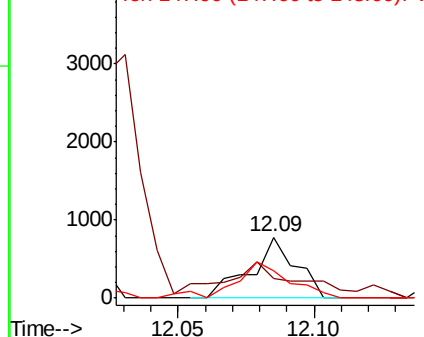


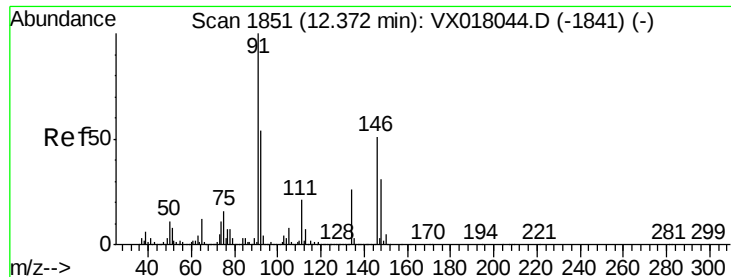
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

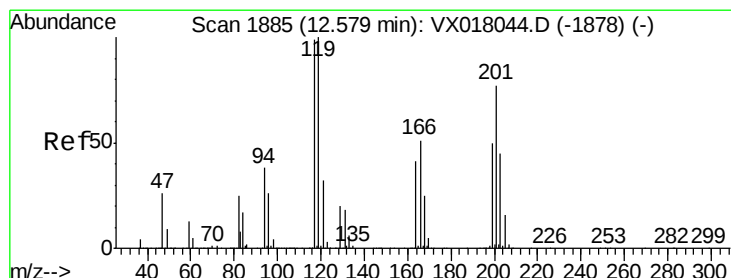
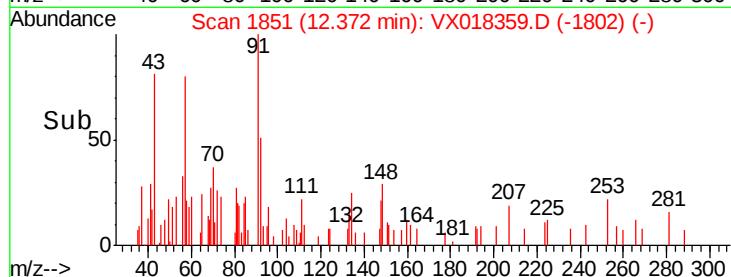
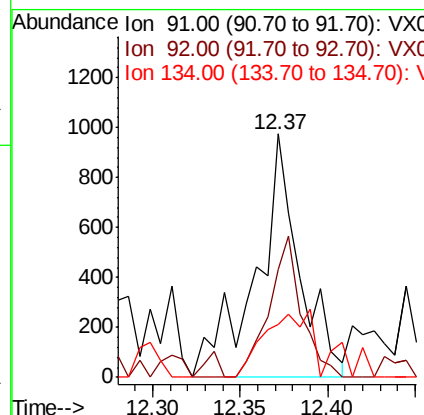
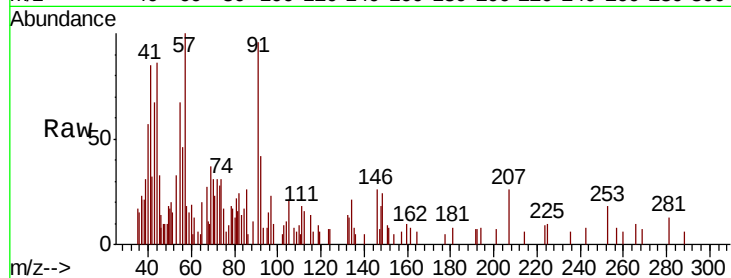




#89
n-Butylbenzene
Concen: 14.168 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

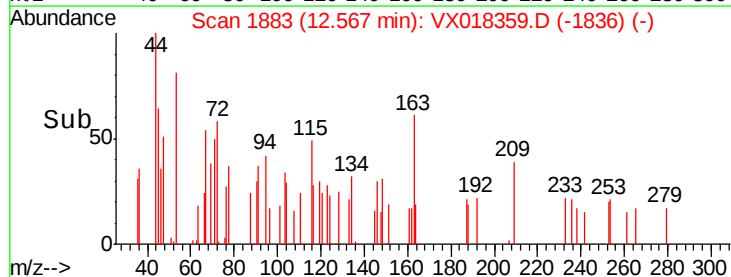
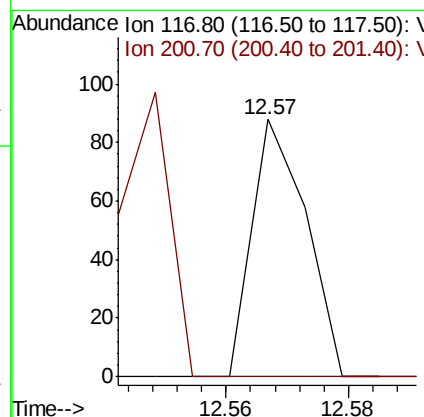
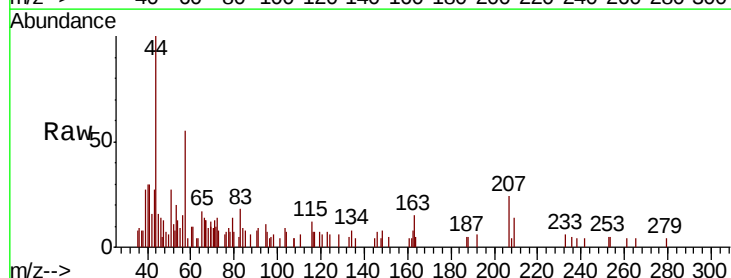
Instrument :
MSVOA_X
ClientSampleId :

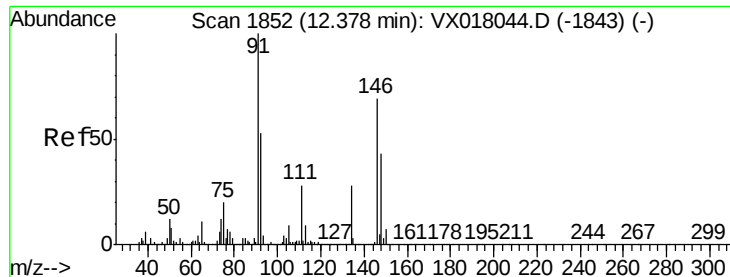
Tot Ion: 91 Resp: 1698
Ion Ratio Lower Upper
91 100
92 43.1 26.4 79.2
134 31.1 12.9 38.7



#90
Hexachloroethane
Concen: 2.051 ug/l
RT: 12.57 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion: 117 Resp: 53
Ion Ratio Lower Upper
117 100
201 105.7 38.5 115.3





#91

1,2-Dichlorobenzene

Concen: 6.002 ug/l

RT: 12.39 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

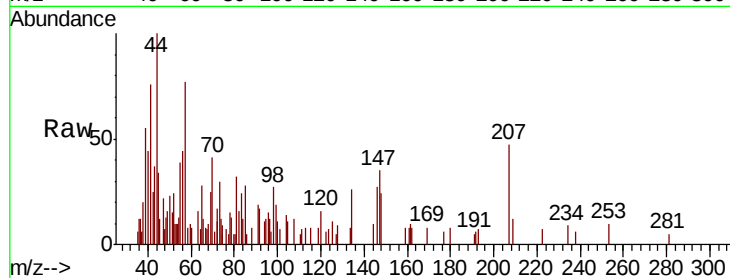
Tot Ion:146 Resp: 425

Ion Ratio Lower Upper

146 100

111 74.6 20.8 62.5#

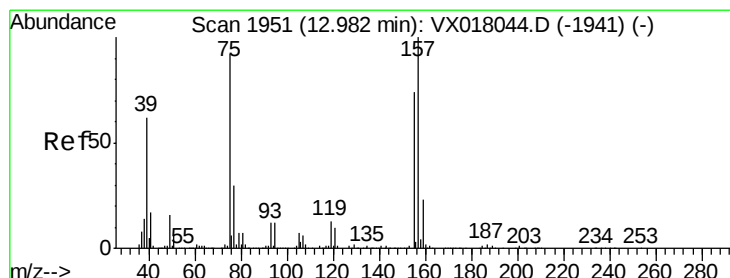
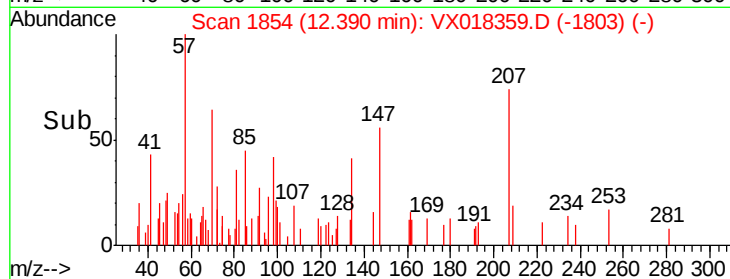
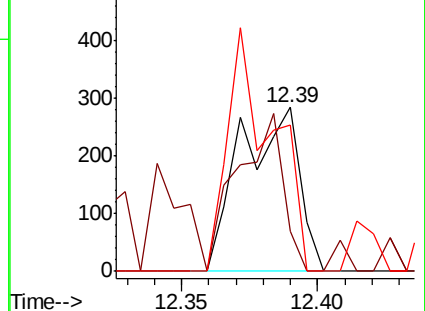
148 113.4 31.6 95.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.043 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

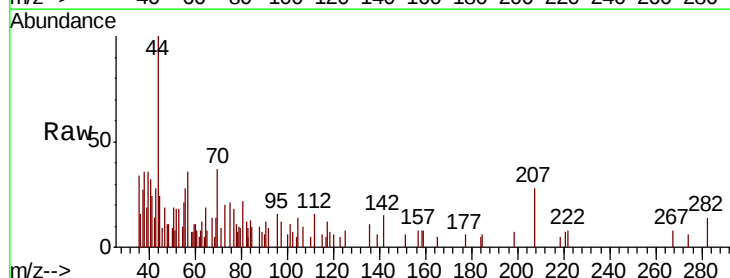
Tgt Ion: 75 Resp: 192

Ion Ratio Lower Upper

75 100

155 11.5 40.2 120.6#

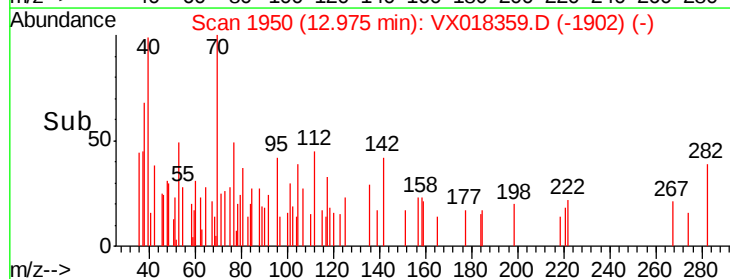
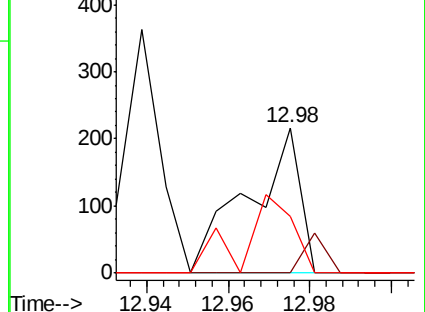
157 51.0 55.0 165.2#

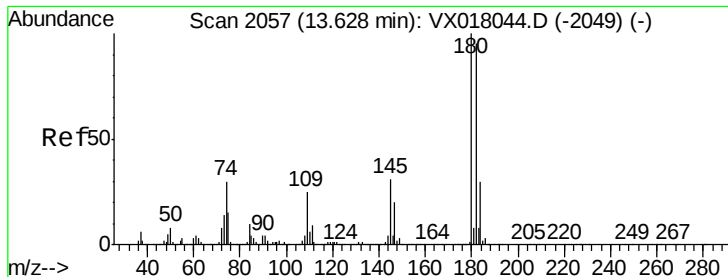


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

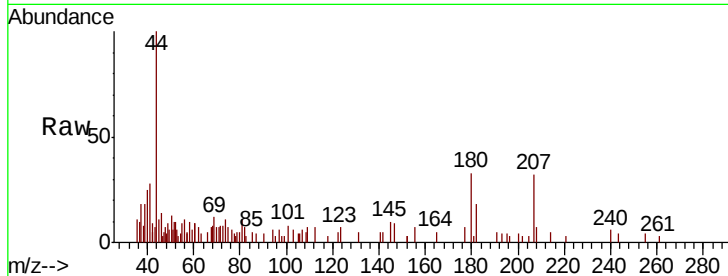




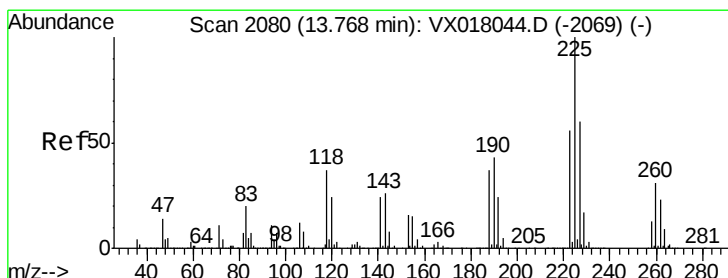
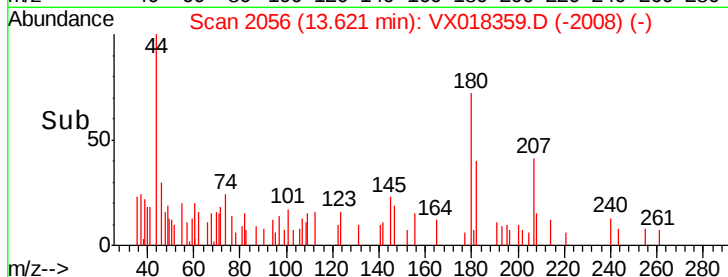
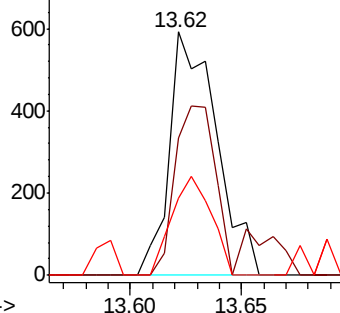
#93
 1,2,4-Trichlorobenzene
 Concen: 18.572 ug/l
 RT: 13.62 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: VX018359.D
 Acq: 11 Sep 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.2	47.5	142.6
145	34.1	15.7	47.1

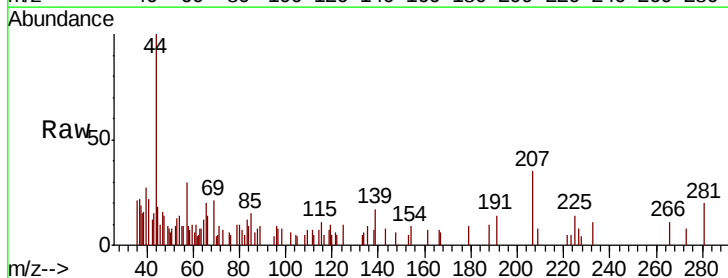


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

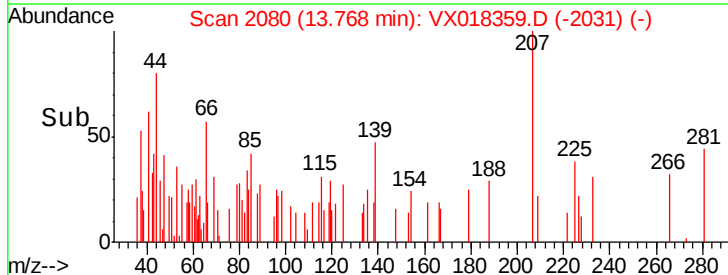
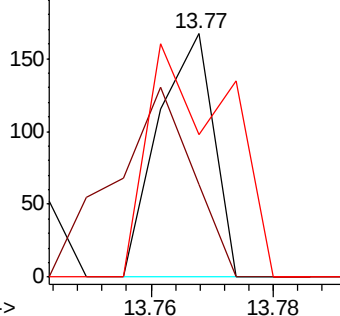


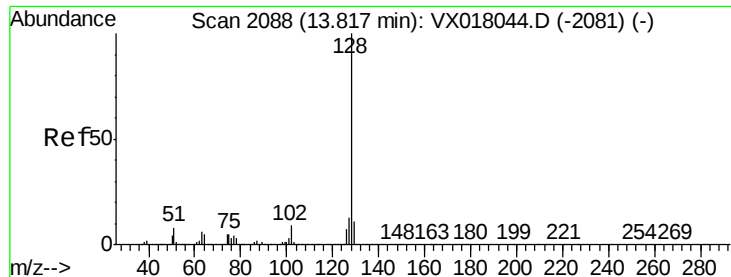
#94
 Hexachlorobutadiene
 Concen: 5.530 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX018359.D
 Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	112.6	30.7	92.1#
227	139.8	32.6	97.8#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

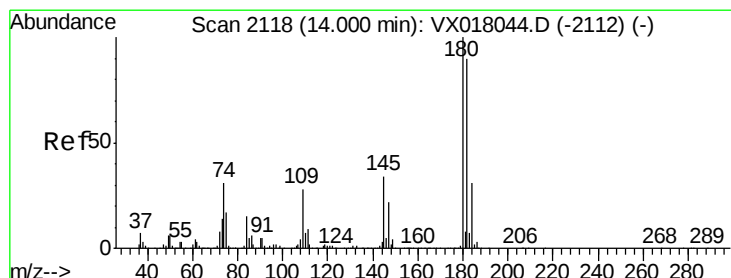
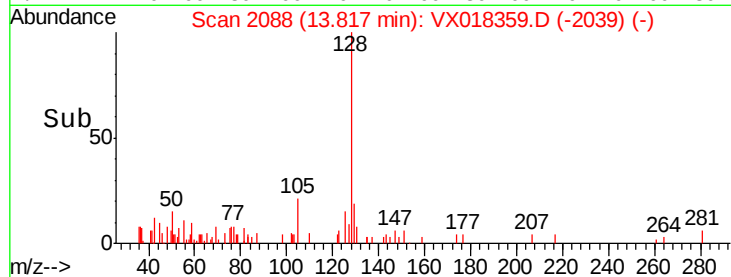
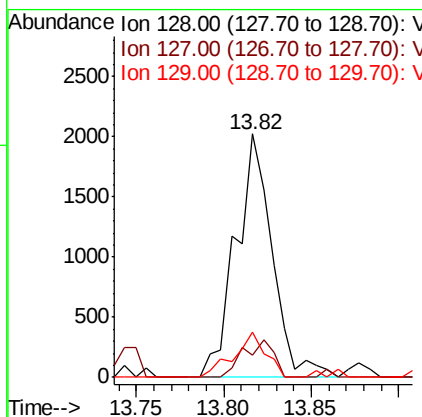
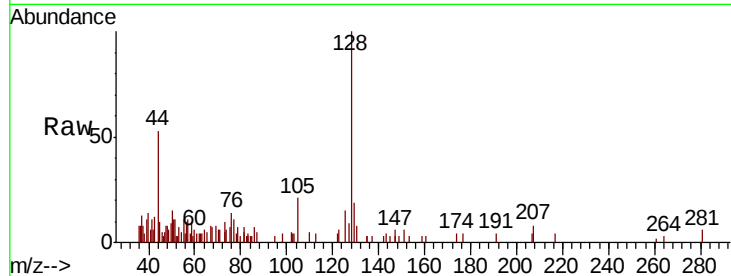




#95
Naphthalene
Concen: 18.848 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:128 Resp: 2929
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 16.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.093 ug/l
RT: 13.83 min Scan# 2090
Delta R.T. -0.17 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 60.8 47.3 142.0
145 39.2 17.5 52.6

