

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018488.D
 Acq On : 18 Sep 2020 13:29
 Operator : JC/SP
 Sample : L4050-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200916080-01-VOA

Quant Time: Sep 19 01:53:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	75980	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	391884	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	370903	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	181034	30.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.67%
60) 4-Bromofluorobenzene	11.12	95	180573	28.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.63%
63) Toluene-d8	8.70	98	466327	28.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.10%

Target Compounds

					Ovalue
4) Vinyl Chloride	1.40	62	1700	0.378	ug/l 100
8) Diethyl Ether	2.17	74	7028	2.925	ug/l 87
11) Methyl Iodide	2.50	142	1026	7.733	ug/l # 77
13) Acrolein	2.17	56	319	0.786	ug/l 93
14) Acrylonitrile	3.13	53	566	0.248	ug/l # 74
15) Acetone	2.42	58	123762	199.672	ug/l 79
16) Carbon Disulfide	2.56	76	4869	0.438	ug/l 100
18) Methylene Chloride	2.84	84	1190	0.265	ug/l # 31
22) cis-1,2-Dichloroethene	4.57	96	2640	0.562	ug/l # 22
23) tert-Butyl Alcohol	3.01	59	5328504	5393.721	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	32048	2.359	ug/l # 83
30) 2-Butanone	4.64	43	877908	268.030	ug/l 96
34) Benzene	6.12	78	61675	3.612	ug/l 97
43) Ethyl Acetate	4.76	43	7284	1.118	ug/l # 66
44) Isopropyl Acetate	6.42	43	3468	0.330	ug/l # 73
45) 1,4-Dioxane	7.72	88	9505	108.396	ug/l # 95
58) 4-Methyl-2-Pentanone	8.62	43	28831	4.519	ug/l # 85
62) Toluene	8.76	91	78523	4.207	ug/l 98
64) Chlorobenzene	10.12	112	14214	1.185	ug/l 99
66) Ethyl Benzene	10.24	91	43965	2.132	ug/l 99
67) m/p-Xylenes	10.34	106	67793	8.595	ug/l 97
68) o-Xylene	10.68	106	40935	5.492	ug/l 98
69) Styrene	10.70	104	8185	0.629	ug/l # 21
70) Isopropylbenzene	11.00	105	5165	0.249	ug/l 90
75) 2-Chlorotoluene	11.41	91	7266	0.491	ug/l 76
76) 1,3,5-Trimethylbenzene	11.49	105	13979	0.774	ug/l 97
78) 4-Chlorotoluene	11.49	91	3864	0.219	ug/l 62
80) 1,2,4-Trimethylbenzene	11.79	105	47004	2.632	ug/l 95
82) p-Isopropyltoluene	12.05	119	50525	2.667	ug/l 97
84) 1,4-Dichlorobenzene	12.08	146	41875	4.125	ug/l 97
85) n-Butylbenzene	12.29	91	9785	0.587	ug/l 52
86) Hexachloroethane	12.57	117	748	0.201	ug/l # 10
87) 1,2-Dichlorobenzene	12.37	146	3322	0.349	ug/l 96
89) 1,2,4-Trichlorobenzene	13.63	180	1650	0.257	ug/l # 87
90) Hexachlorobutadiene	13.77	225	600	0.221	ug/l 91
91) Naphthalene	13.82	128	714423	35.592	ug/l 99
92) 1,2,3-Trichlorobenzene	14.01	180	1666	0.262	ug/l 74

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QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration

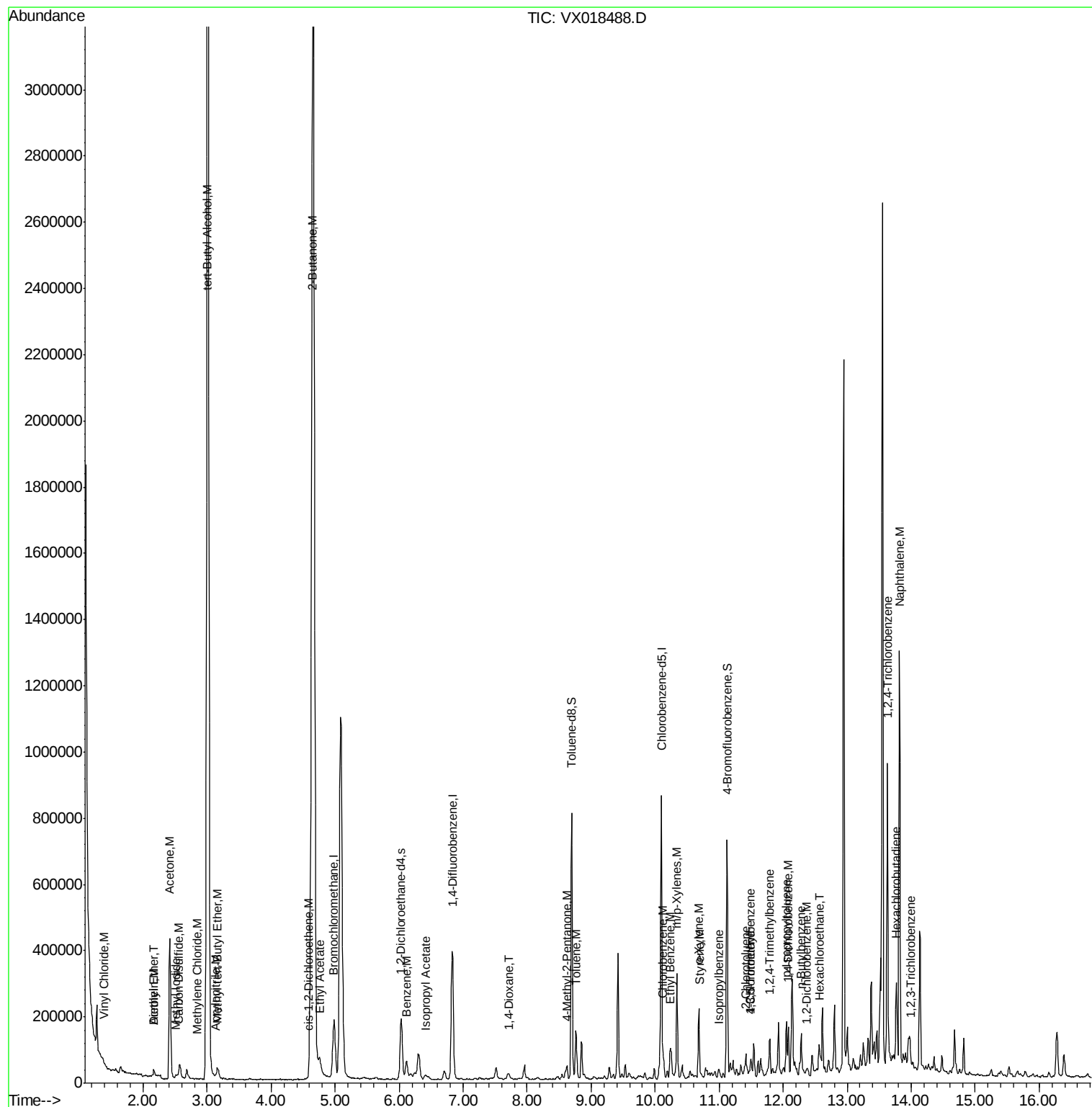
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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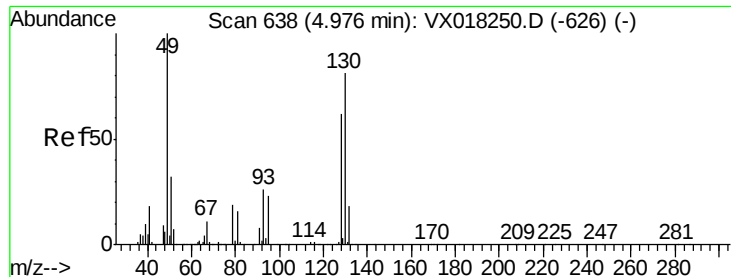
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

200916080-01-VOA

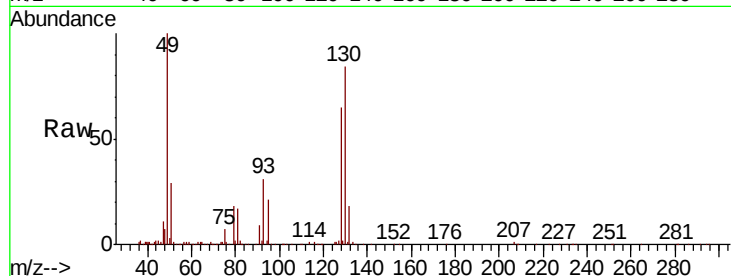
Tot Ion:128 Resp: 75980

Ion Ratio Lower Upper

128 100

49 150.2 0.0 392.0

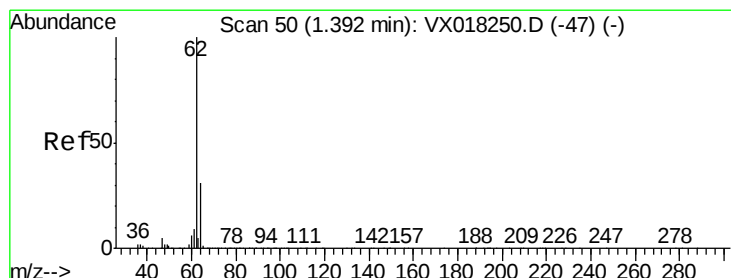
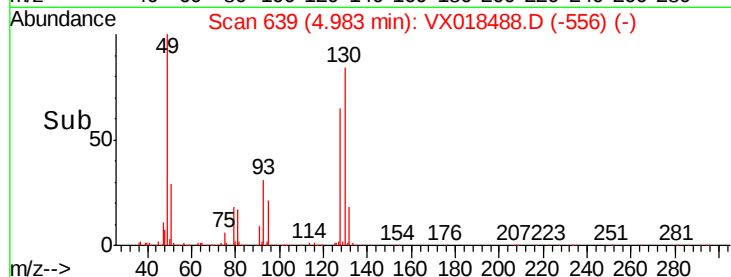
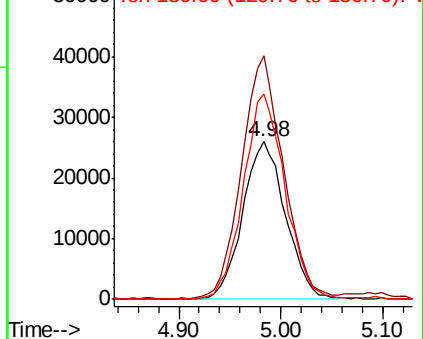
130 127.1 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#4

Vinyl Chloride

Concen: 0.378 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX018488.D

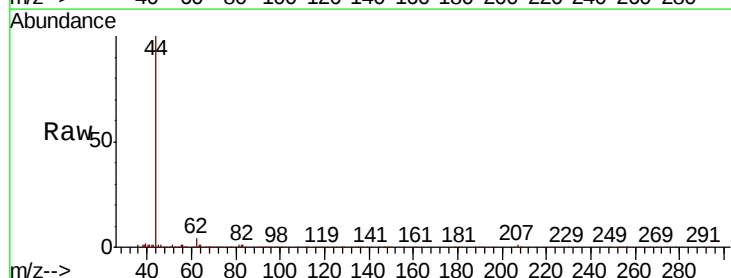
Acq: 18 Sep 2020 13:29

Tgt Ion: 62 Resp: 1700

Ion Ratio Lower Upper

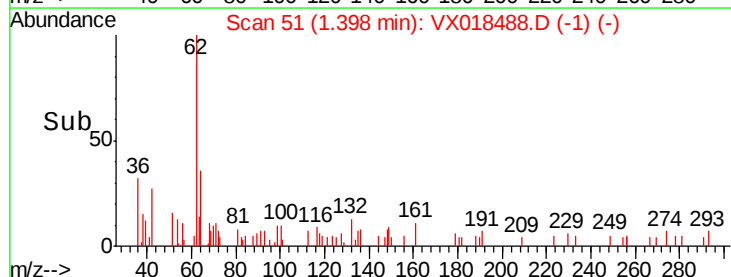
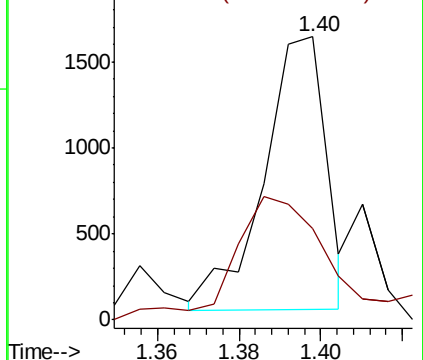
62 100

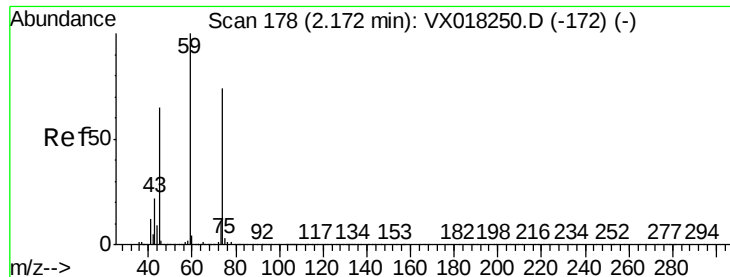
64 31.3 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#8

Diethyl Ether

Concen: 2.925 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

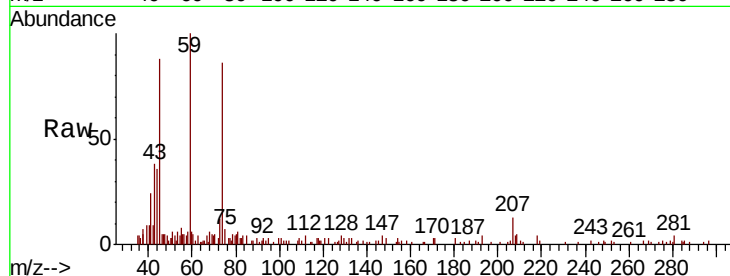
200916080-01-VOA

Tot Ion: 74 Resp: 7028

Ion Ratio Lower Upper

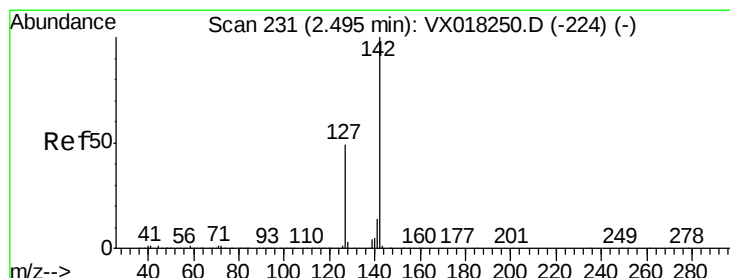
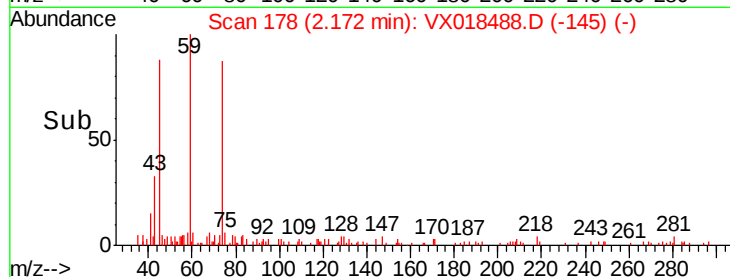
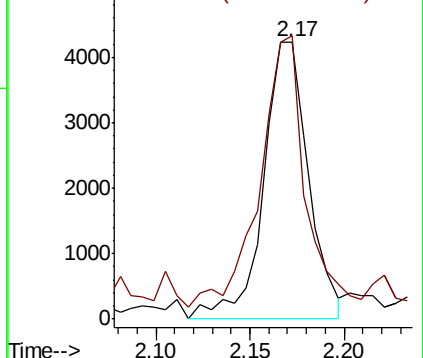
74 100

45 89.3 20.5 184.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Methyl Iodide

Concen: 7.733 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

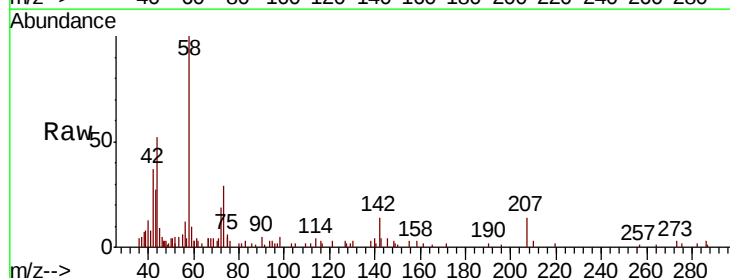
Tgt Ion: 142 Resp: 1026

Ion Ratio Lower Upper

142 100

127 36.2 24.6 74.0

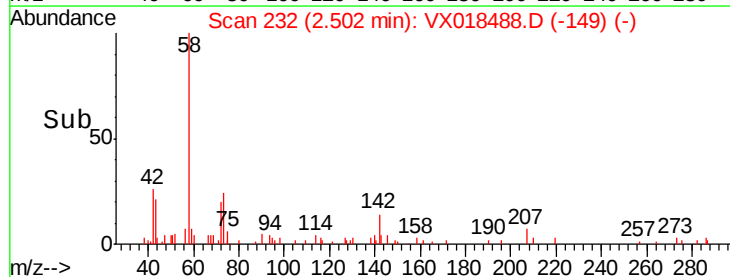
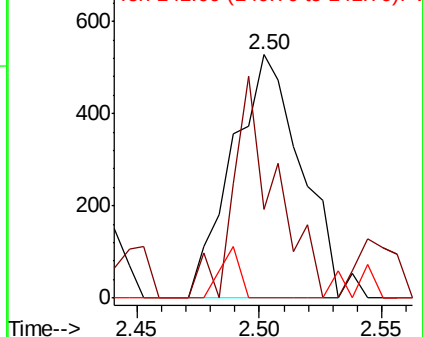
141 0.0 7.0 21.0#

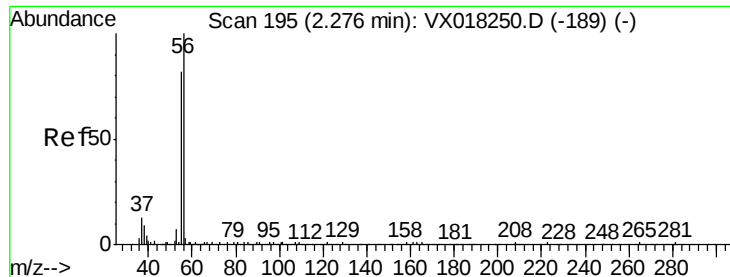


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.786 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.10 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

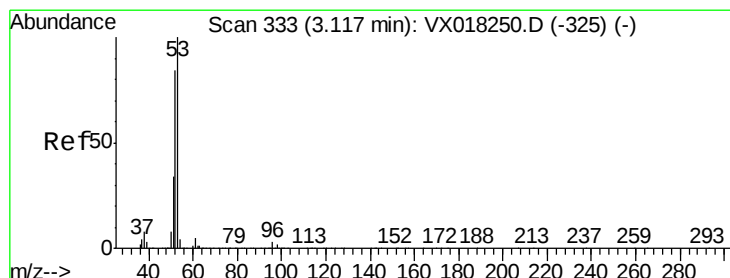
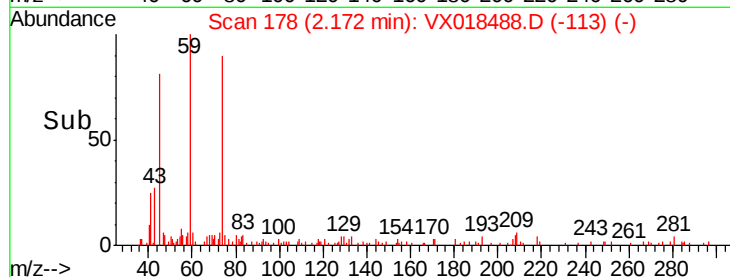
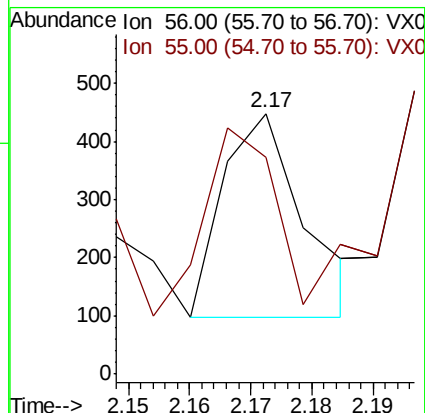
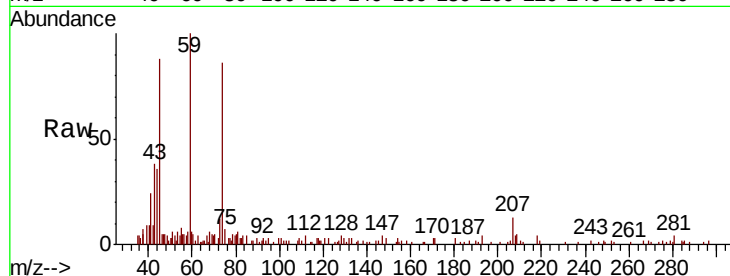
200916080-01-VOA

Tot Ion: 56 Resp: 319

Ion Ratio Lower Upper

56 100

55 80.6 59.7 89.5



#14

Acrylonitrile

Concen: 0.248 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

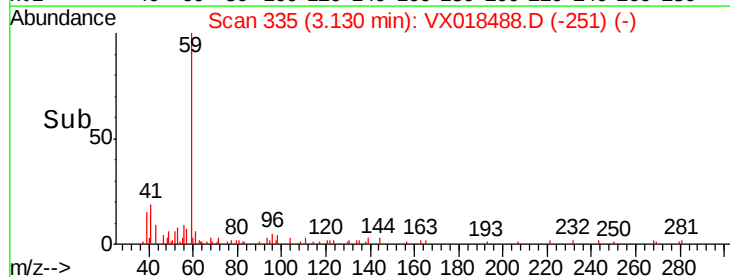
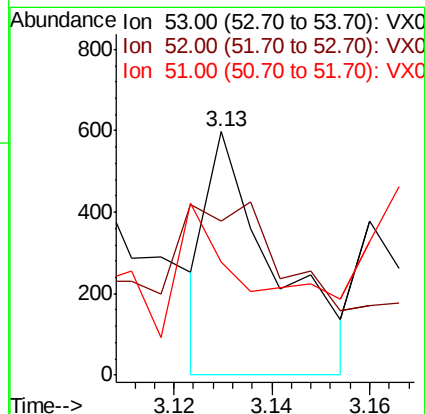
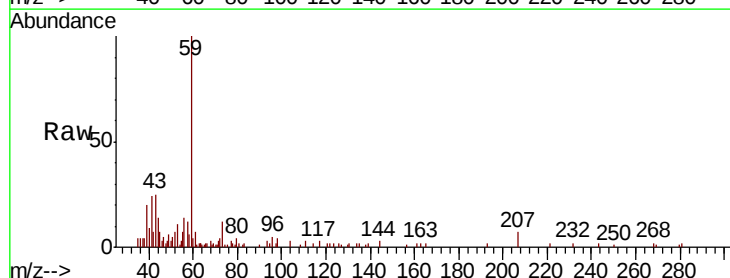
Tgt Ion: 53 Resp: 566

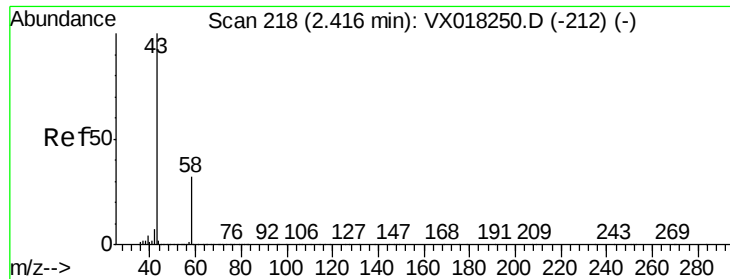
Ion Ratio Lower Upper

53 100

52 102.8 41.9 125.7

51 58.5 18.3 54.8#





#15

Acetone

Concen: 199.672 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

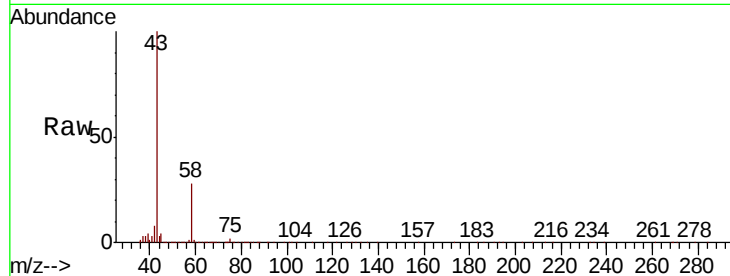
200916080-01-VOA

Tot Ion: 58 Resp: 123762

Ion Ratio Lower Upper

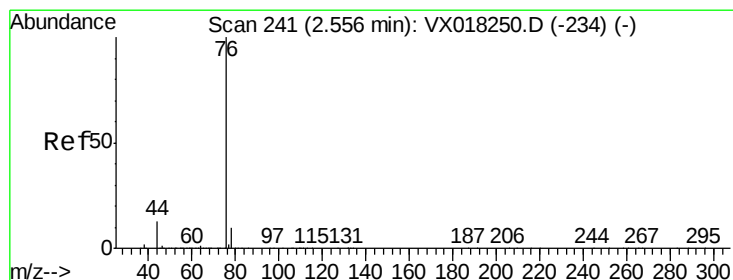
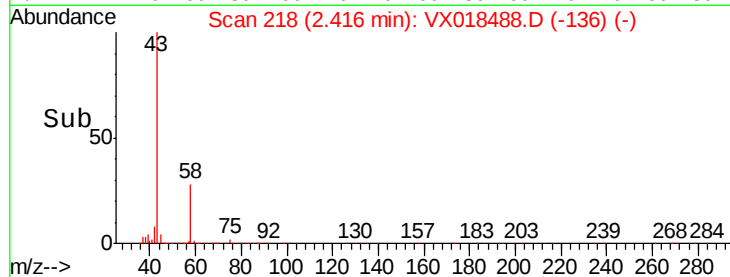
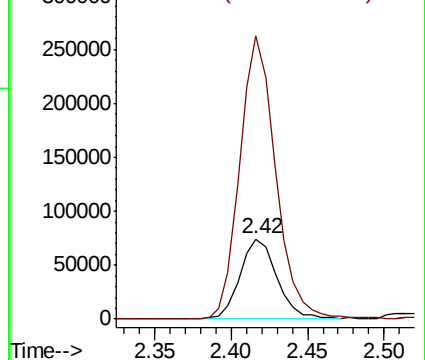
58 100

43 352.9 248.2 372.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.438 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VX018488.D

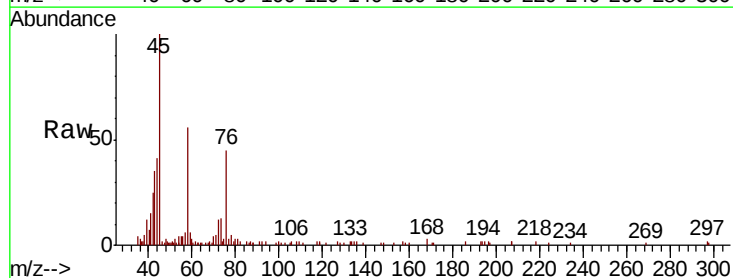
Acq: 18 Sep 2020 13:29

Tgt Ion: 76 Resp: 4869

Ion Ratio Lower Upper

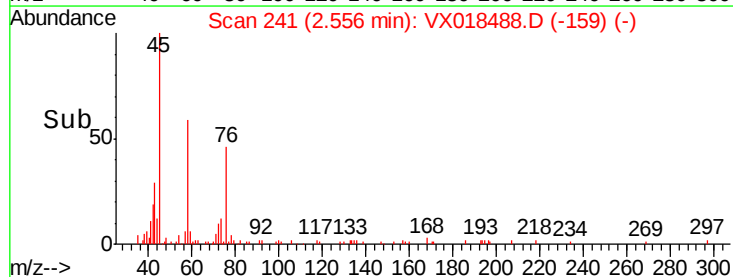
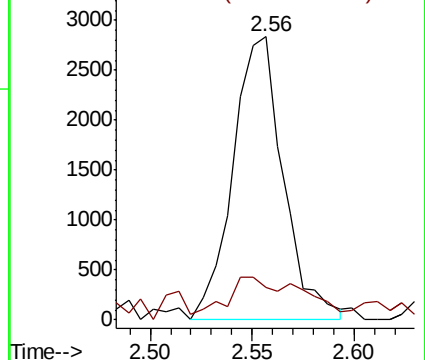
76 100

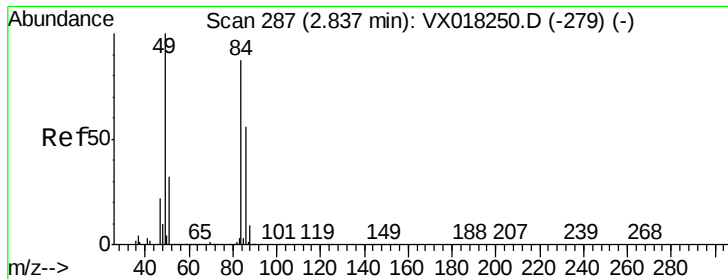
78 9.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

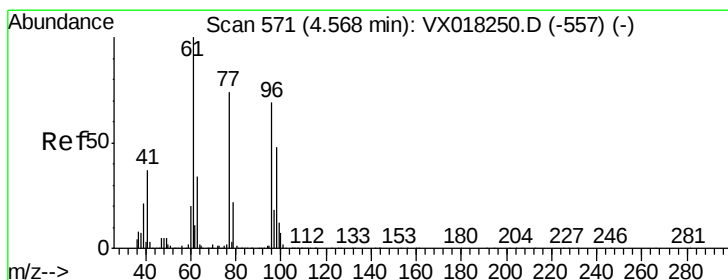
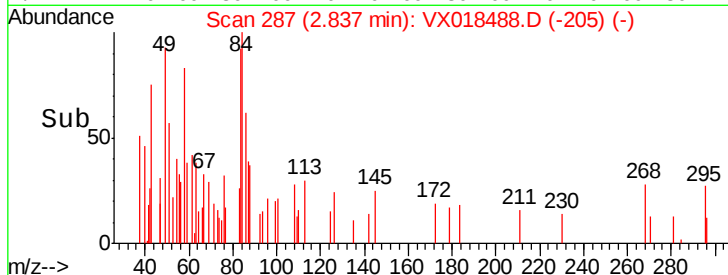
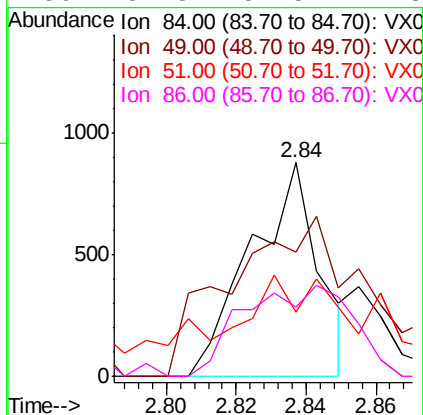
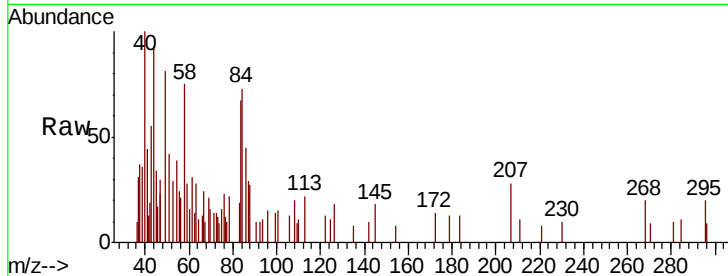




#18
Methvlene Chloride
Concen: 0.265 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

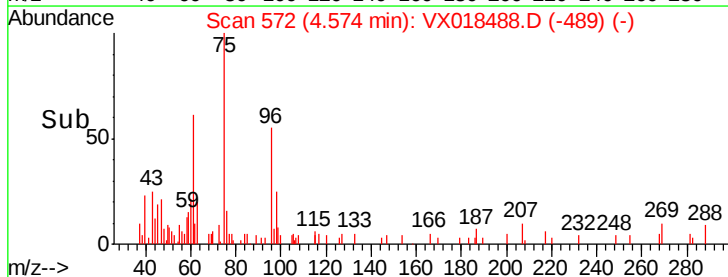
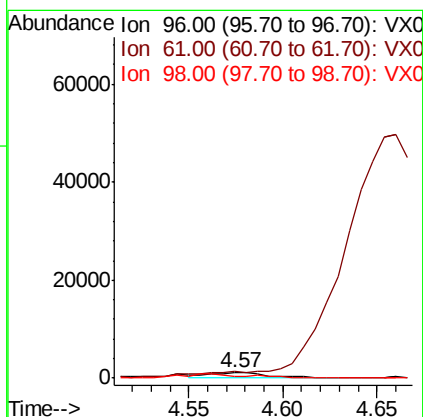
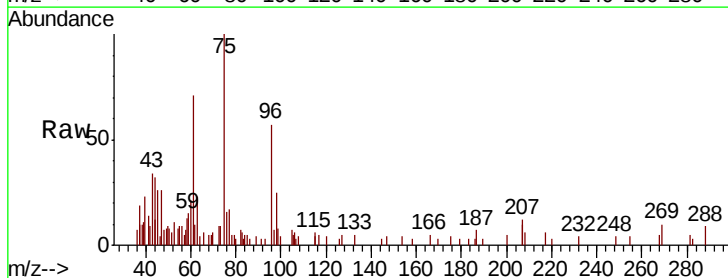
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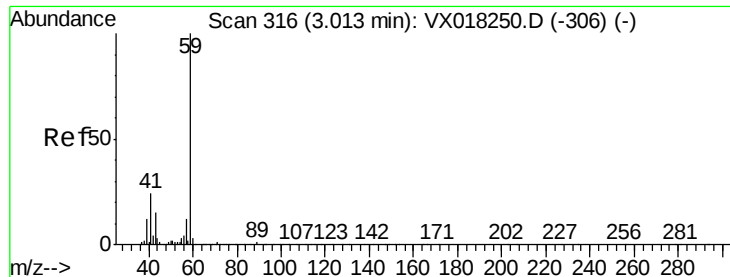
Tot Ion: 84 Resp: 1190
Ion Ratio Lower Upper
84 100
49 19.0 91.6 137.4#
51 3.2 29.4 44.0#
86 32.3 51.5 77.3#



#22
cis-1,2-Dichloroethene
Concen: 0.562 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

Tgt Ion: 96 Resp: 2640
Ion Ratio Lower Upper
96 100
61 36.6 116.2 174.4#
98 20.3 52.5 78.7#





#23

tert-Butyl Alcohol

Concen: 5393.721 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

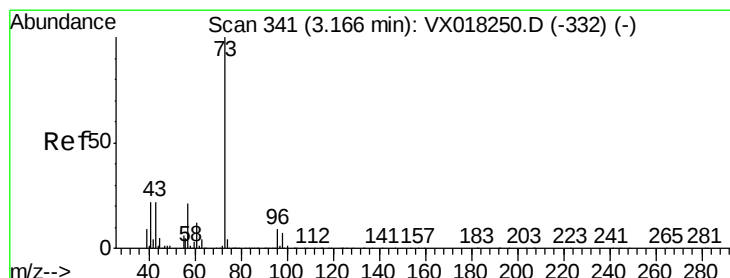
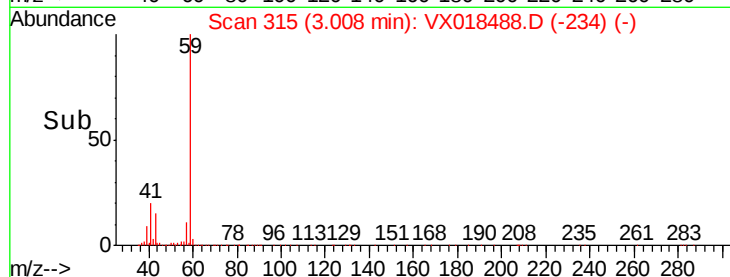
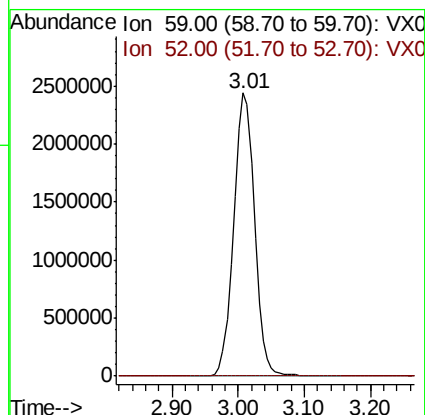
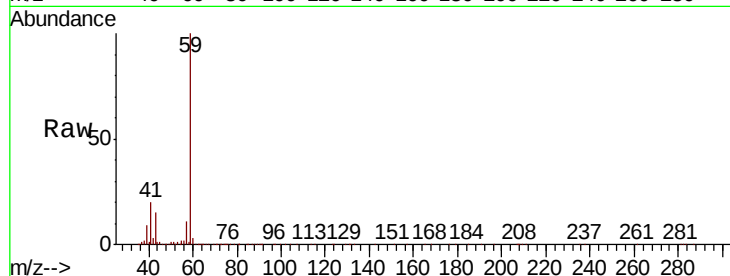
200916080-01-VOA

Tot Ion: 59 Resp: 5328504

Ion Ratio Lower Upper

59 100

52 0.2 0.4 0.6#



#24

Methyl tert-Butyl Ether

Concen: 2.359 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX018488.D

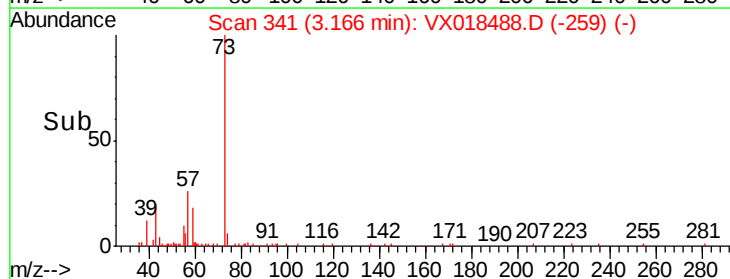
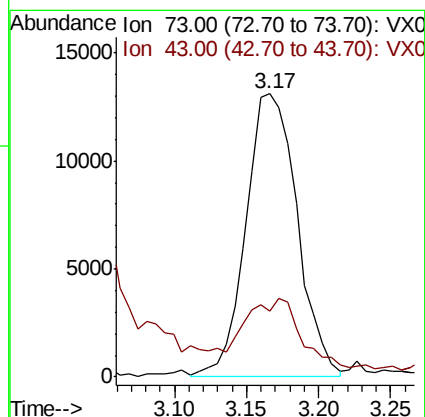
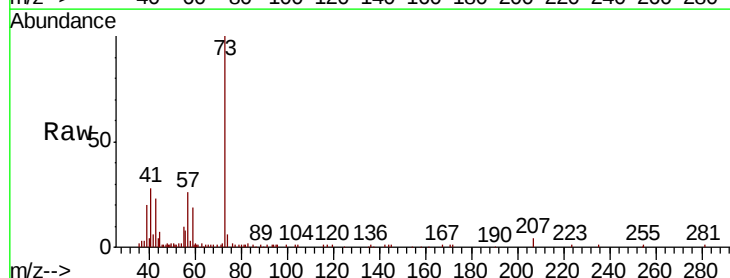
Acq: 18 Sep 2020 13:29

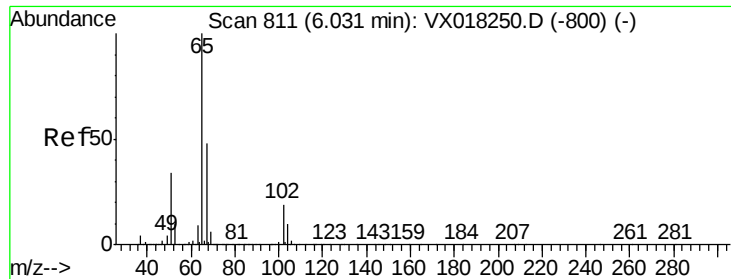
Tgt Ion: 73 Resp: 32048

Ion Ratio Lower Upper

73 100

43 14.0 17.8 26.6#





#27

1,2-Dichloroethane-d4

Concen: 30.201 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

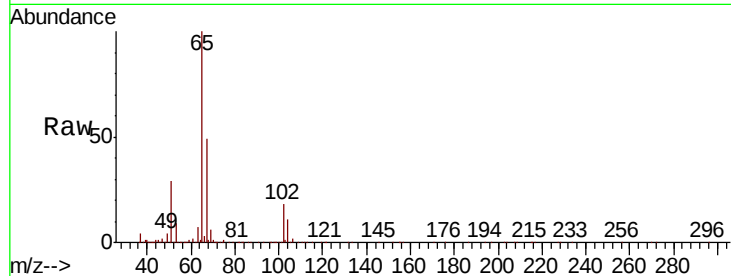
200916080-01-VOA

Tot Ion: 65 Resp: 181034

Ion Ratio Lower Upper

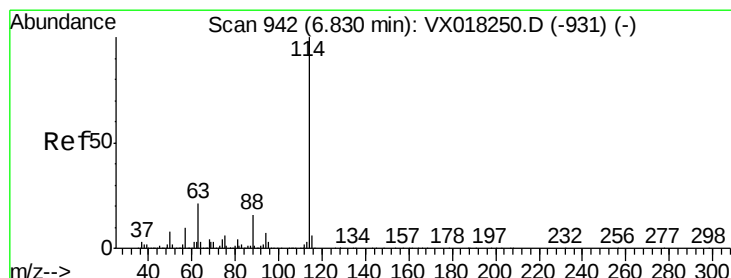
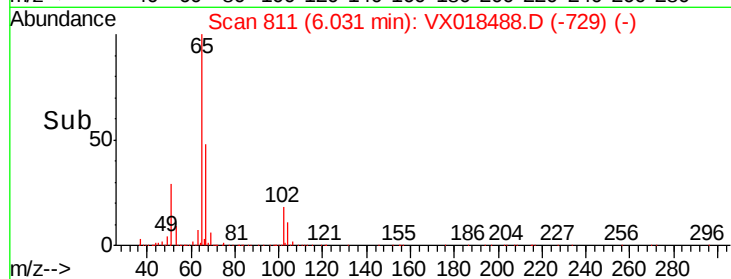
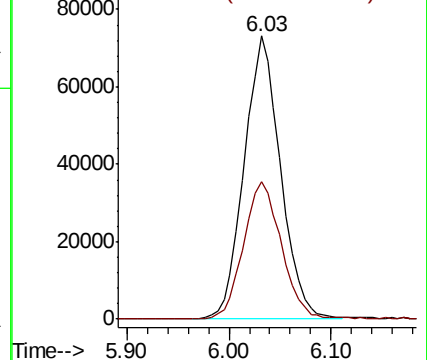
65 100

67 50.4 39.9 59.9



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

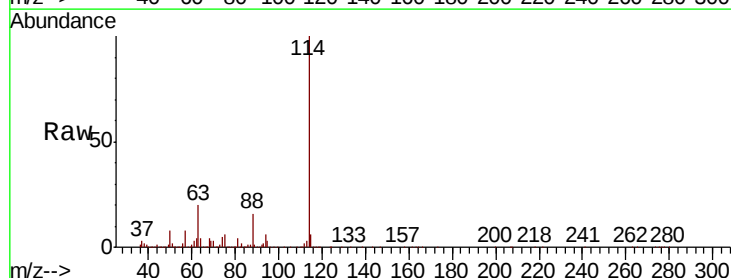
Tgt Ion: 114 Resp: 391884

Ion Ratio Lower Upper

114 100

63 20.8 16.7 25.1

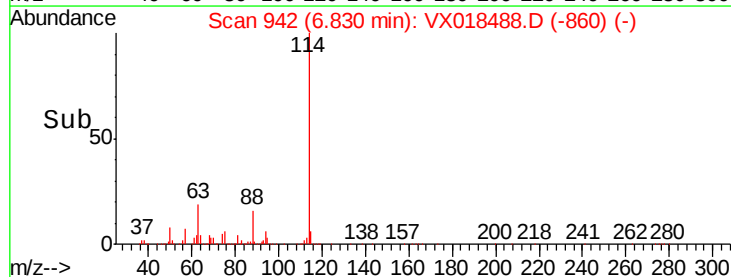
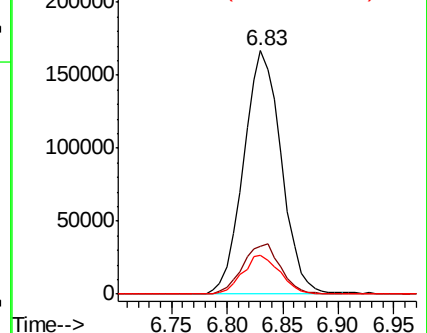
88 15.9 12.6 18.8

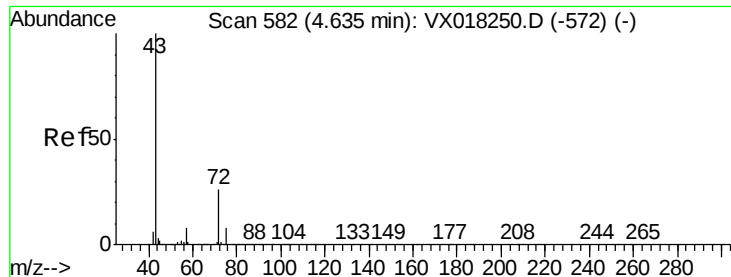


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

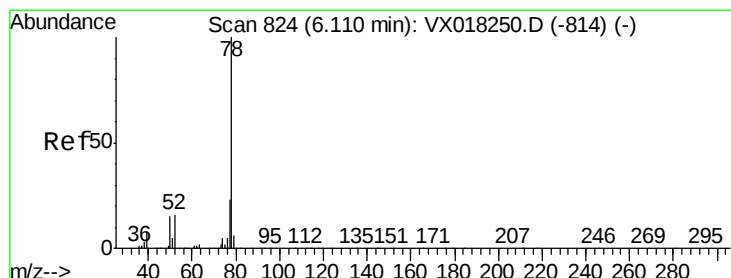
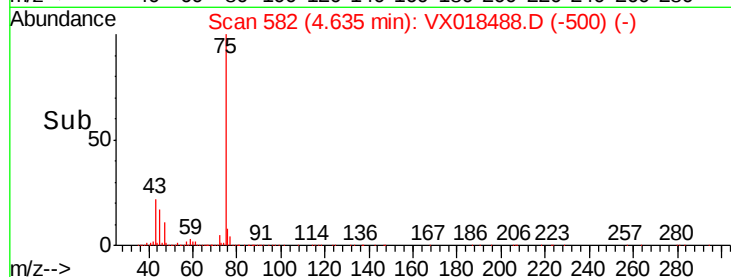
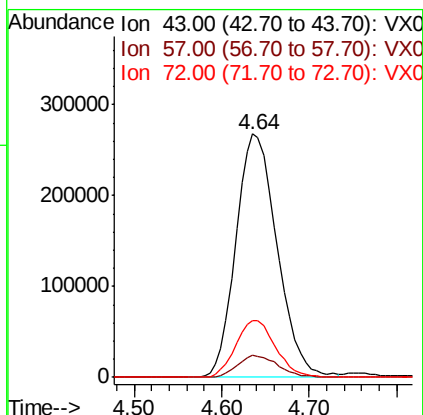
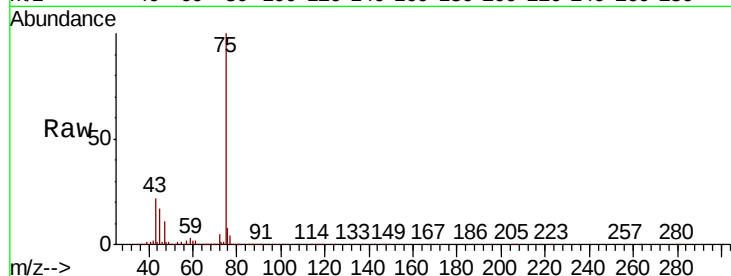




#30
2-Butanone
Concen: 268.030 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

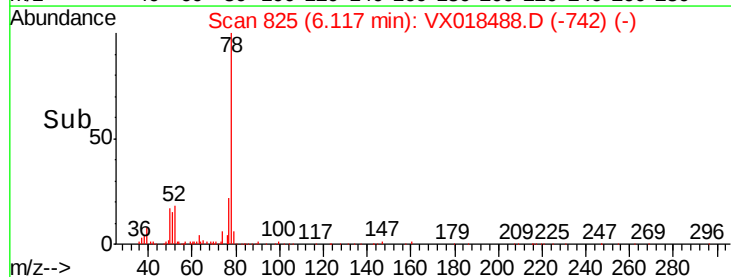
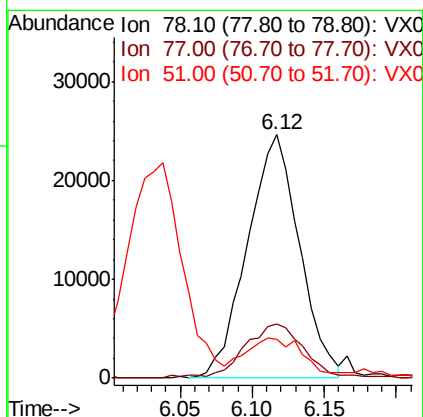
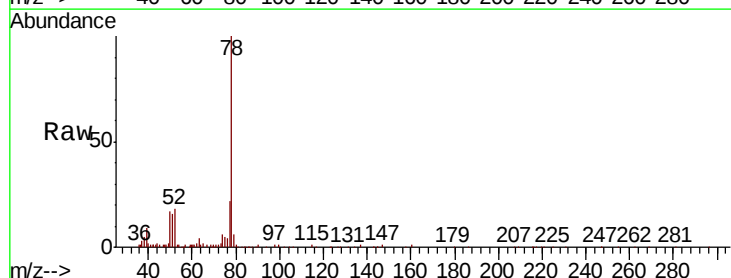
Instrument :
MSVOA_X
ClientSampleId :
200916080-01-VOA

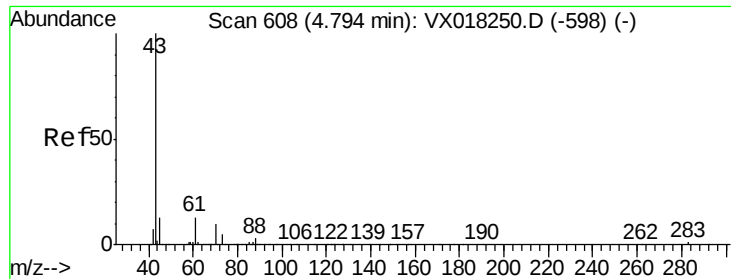
Tot Ion: 43 Resp: 877908
Ion Ratio Lower Upper
43 100
57 8.7 6.7 10.1
72 22.5 20.0 30.0



#34
Benzene
Concen: 3.612 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

Tgt Ion: 78 Resp: 61675
Ion Ratio Lower Upper
78 100
77 21.1 18.3 27.5
51 13.4 11.3 16.9

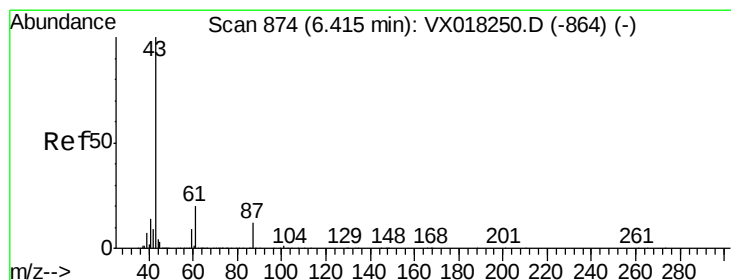
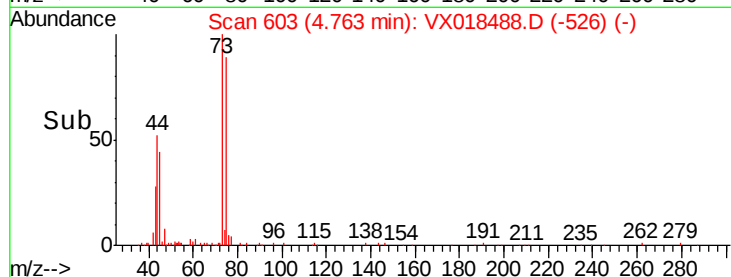
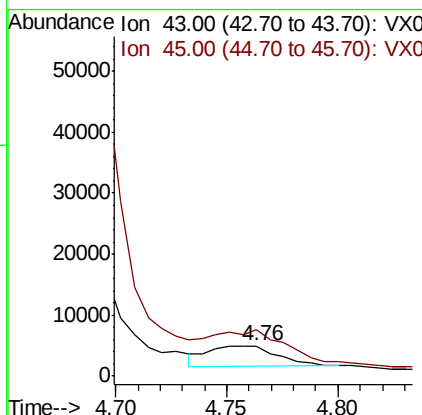
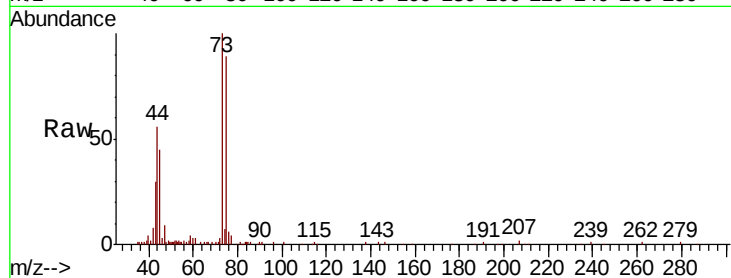




#43
Ethyl Acetate
Concen: 1.118 ug/l
RT: 4.76 min Scan# 603
Delta R.T. -0.03 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

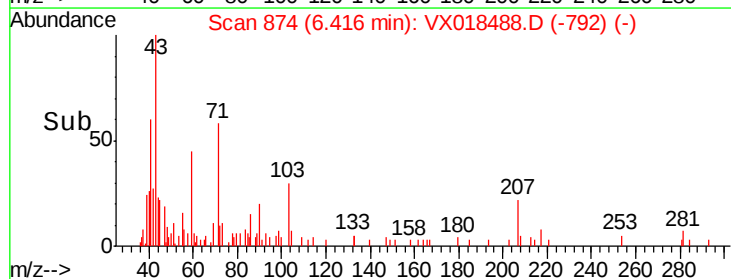
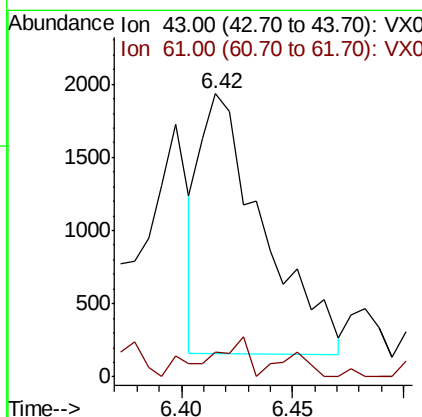
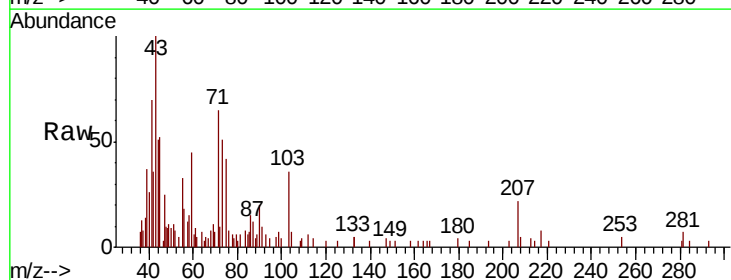
Instrument :
MSVOA_X
ClientSampleId :
200916080-01-VOA

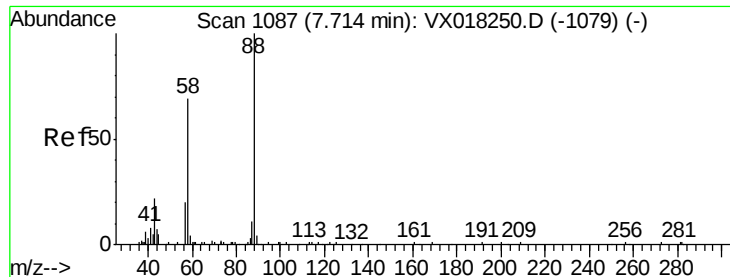
Tot Ion: 43 Resp: 7284
Ion Ratio Lower Upper
43 100
45 0.0 11.2 16.8#



#44
Isopropyl Acetate
Concen: 0.330 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

Tgt Ion: 43 Resp: 3468
Ion Ratio Lower Upper
43 100
61 6.4 14.6 22.0#





#45

1,4-Dioxane

Concen: 108.396 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

200916080-01-VOA

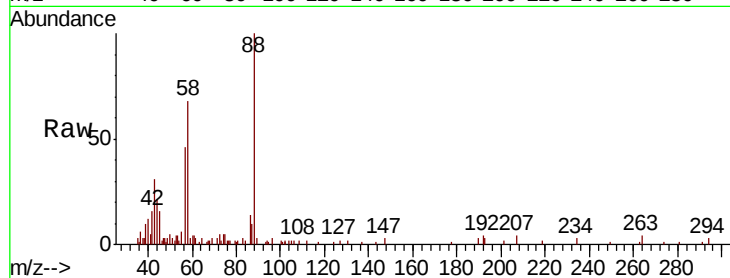
Tot Ion: 88 Resp: 9505

Ion Ratio Lower Upper

88 100

43 27.2 13.6 20.4#

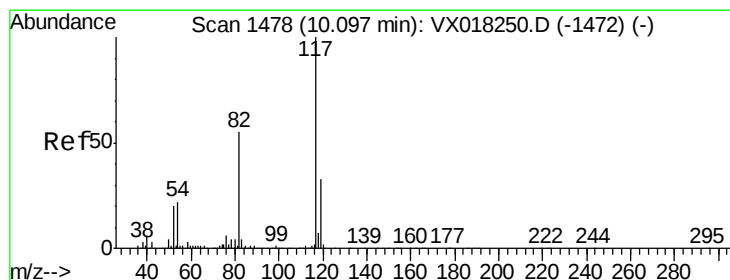
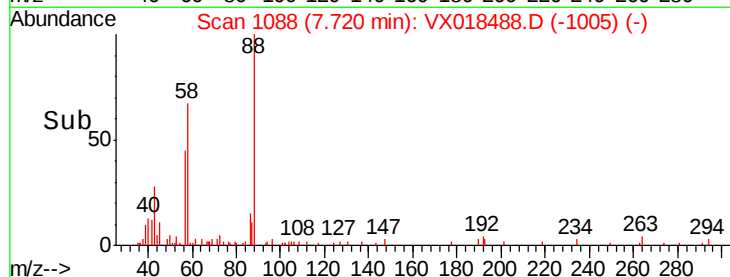
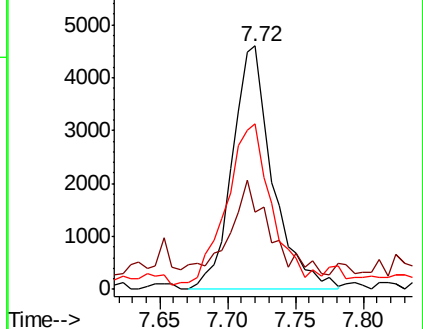
58 73.2 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

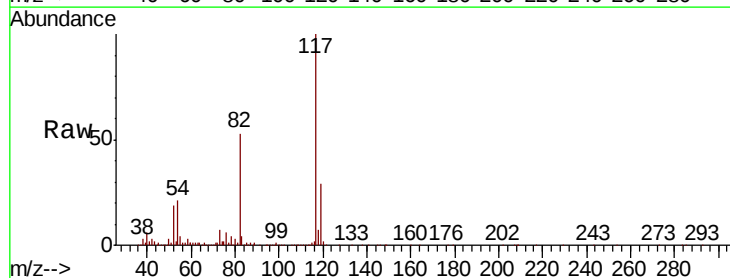
Tgt Ion: 117 Resp: 370903

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.4

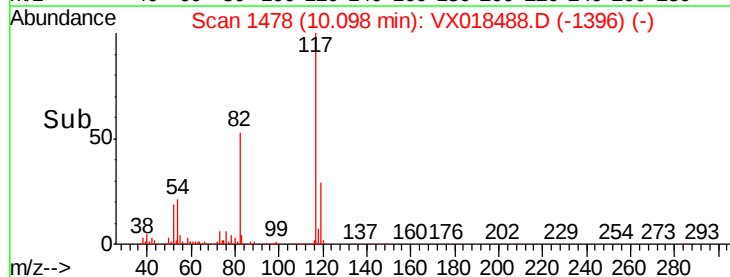
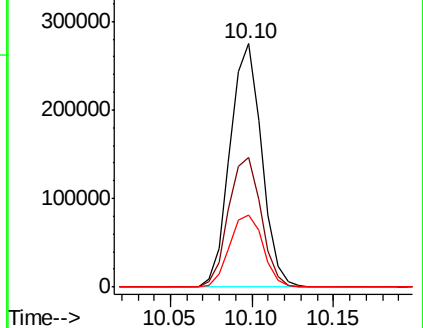
119 31.5 26.1 39.1

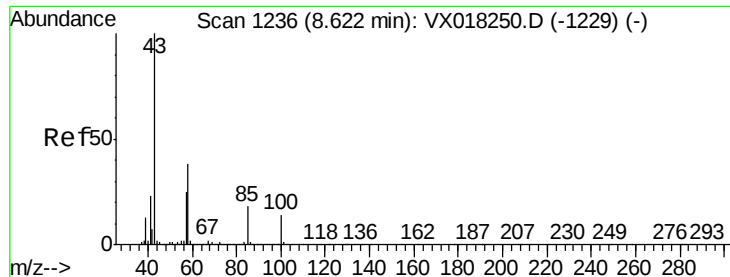


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

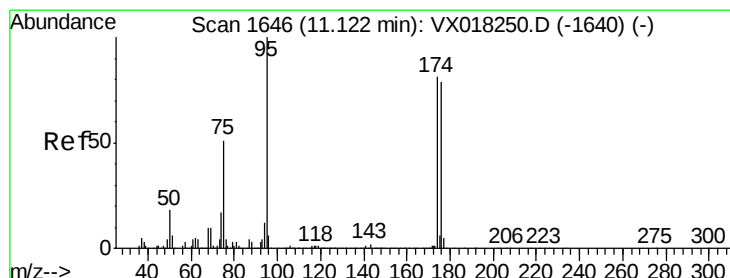
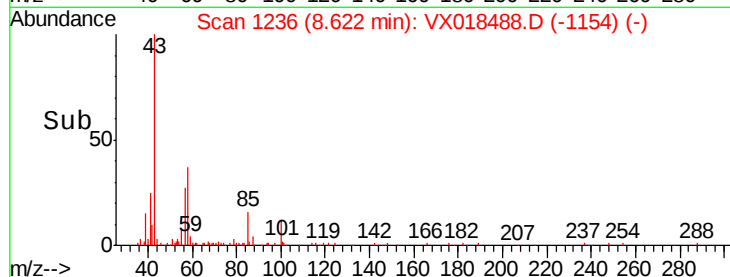
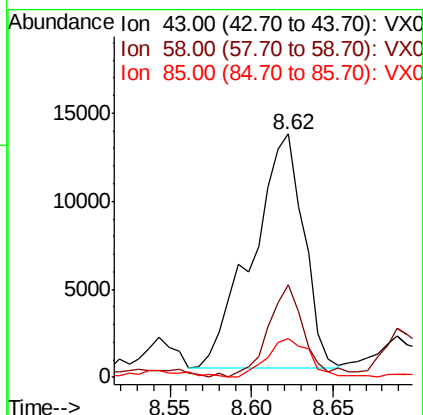
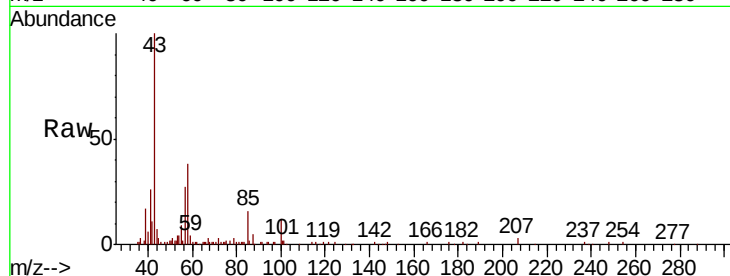




#58
 4-Methyl-2-Pentanone
 Concen: 4.519 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX018488.D
 Acq: 18 Sep 2020 13:29

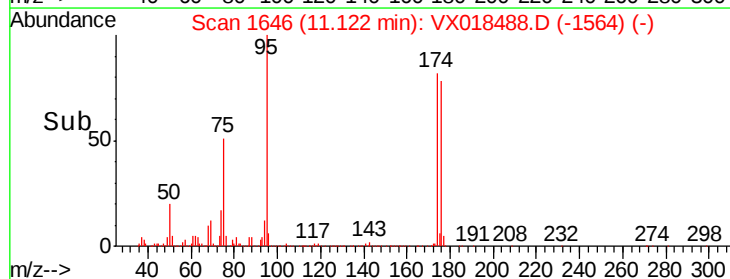
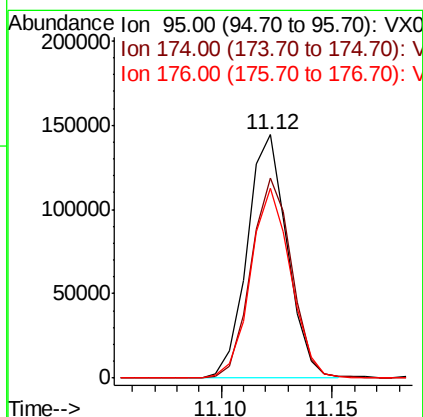
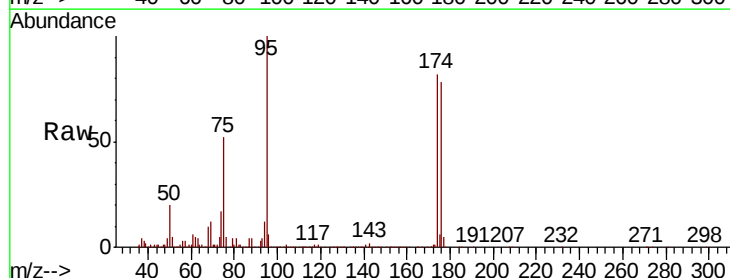
Instrument :
 MSVOA_X
 ClientSampleId :
 200916080-01-VOA

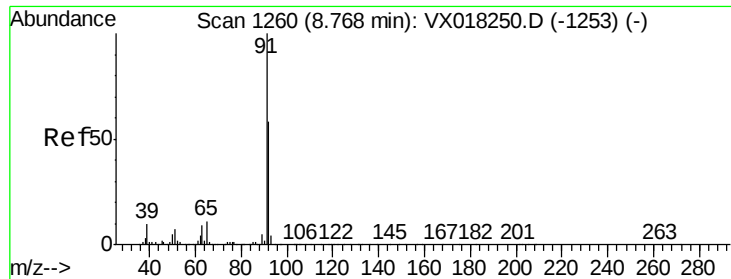
Tot Ion:	43	Resp:	28831
Ion	Ratio	Lower	Upper
43	100		
58	26.8	30.0	45.0#
85	13.6	14.2	21.4#



#60
 4-Bromofluorobenzene
 Concen: 28.089 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX018488.D
 Acq: 18 Sep 2020 13:29

Tgt Ion:	95	Resp:	180573
Ion	Ratio	Lower	Upper
95	100		
174	83.7	64.2	96.4
176	78.6	62.2	93.4





#62

Toluene

Concen: 4.207 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

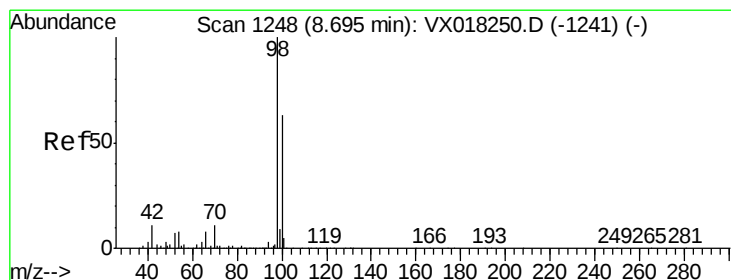
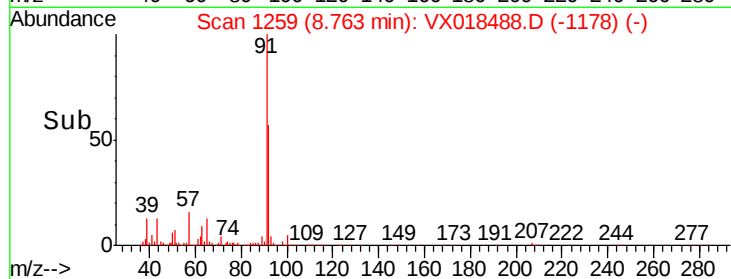
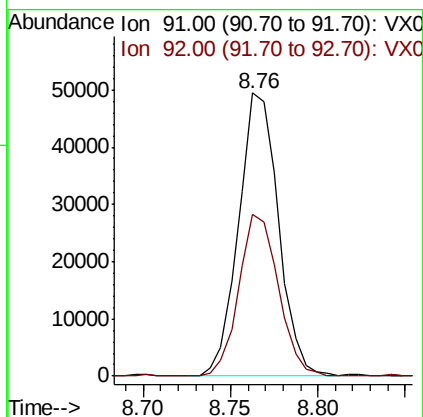
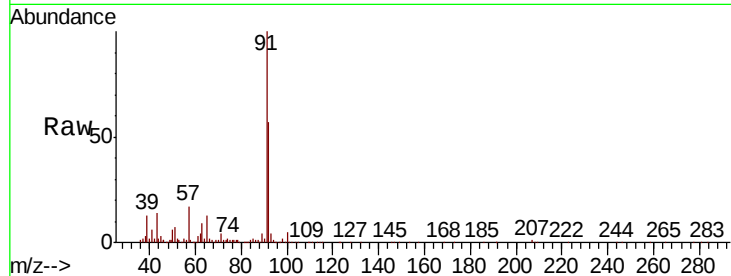
200916080-01-VOA

Tot Ion: 91 Resp: 78523

Ion Ratio Lower Upper

91 100

92 56.9 46.9 70.3



#63

Toluene-d8

Concen: 28.525 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018488.D

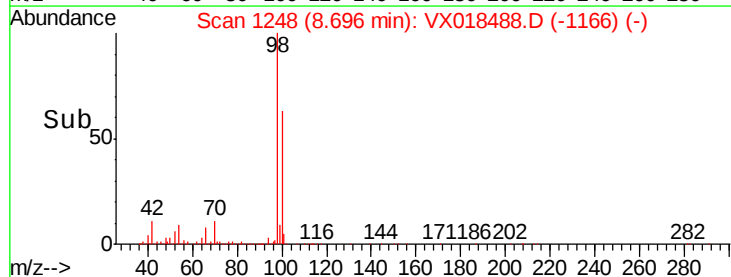
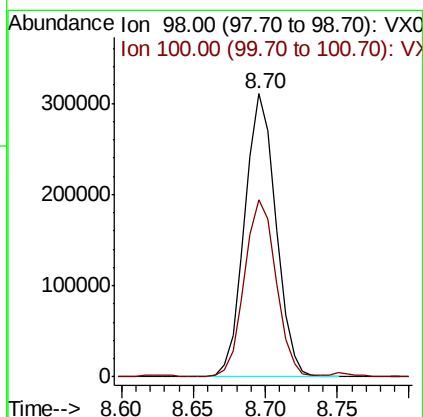
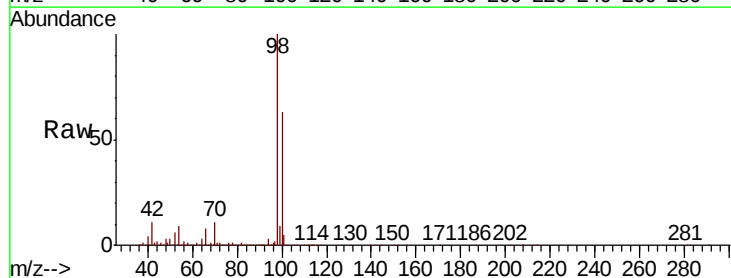
Acq: 18 Sep 2020 13:29

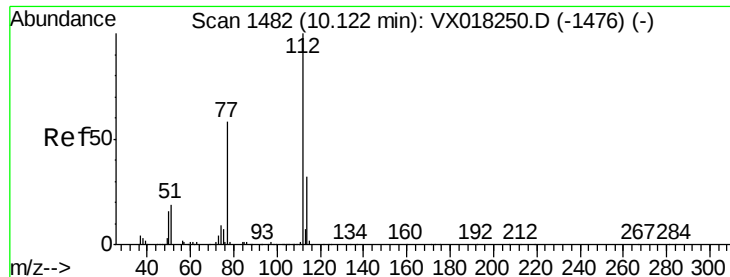
Tgt Ion: 98 Resp: 466327

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.0





#64

Chlorobenzene

Concen: 1.185 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

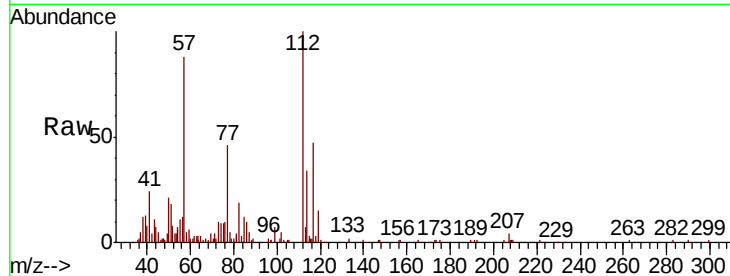
200916080-01-VOA

Tot Ion:112 Resp: 14214

Ion Ratio Lower Upper

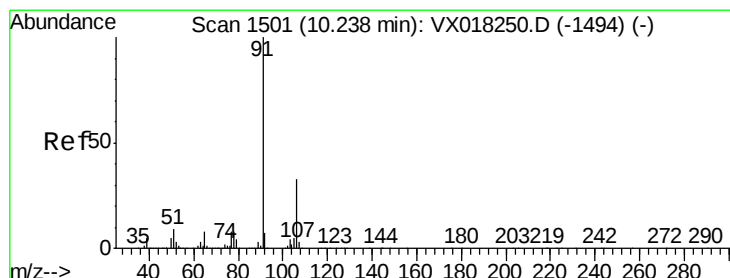
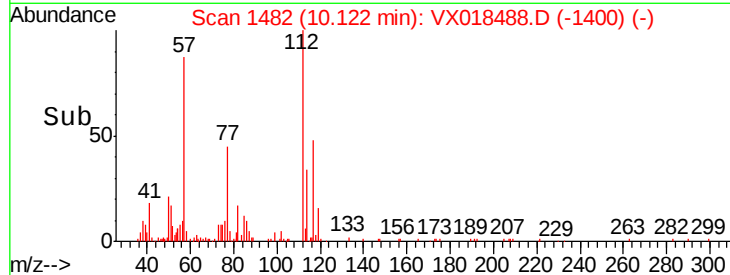
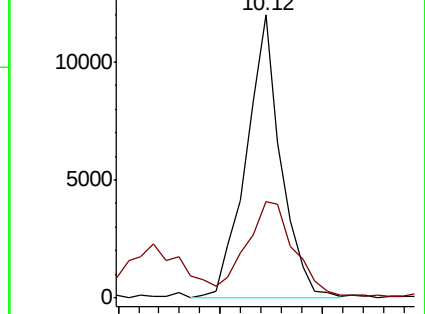
112 100

114 32.8 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

Ethyl Benzene

Concen: 2.132 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018488.D

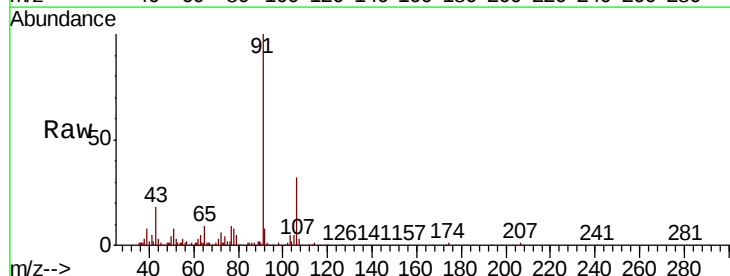
Acq: 18 Sep 2020 13:29

Tgt Ion: 91 Resp: 43965

Ion Ratio Lower Upper

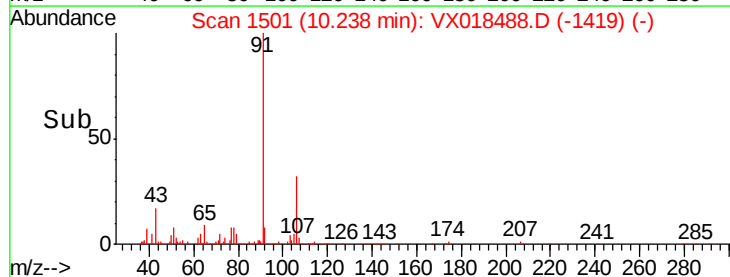
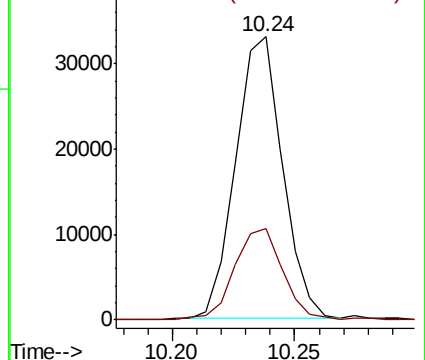
91 100

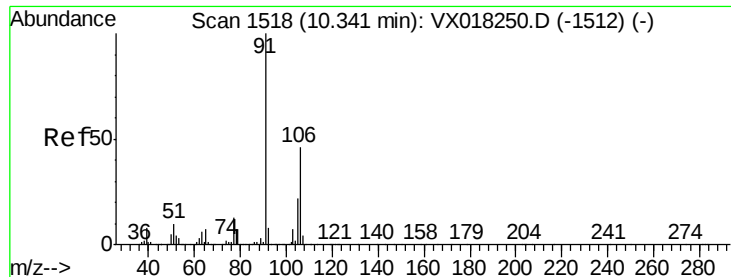
106 32.3 26.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 8.595 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

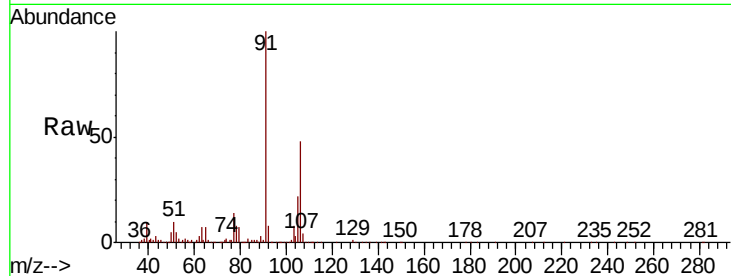
200916080-01-VOA

Tot Ion:106 Resp: 67793

Ion Ratio Lower Upper

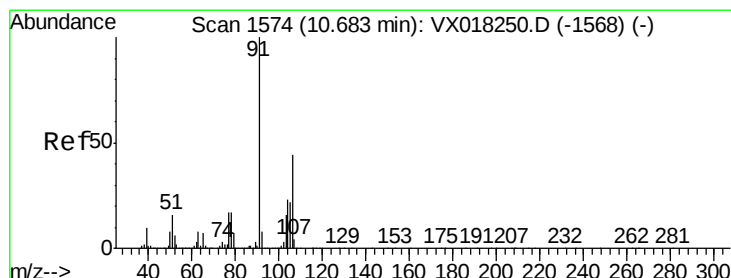
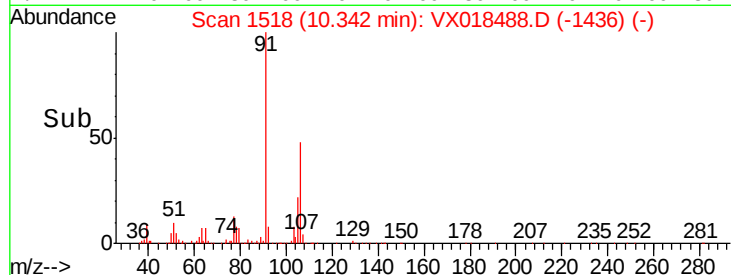
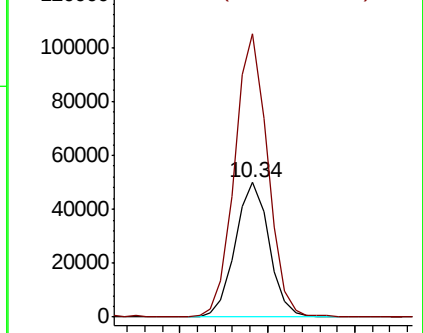
106 100

91 203.0 166.2 249.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.492 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018488.D

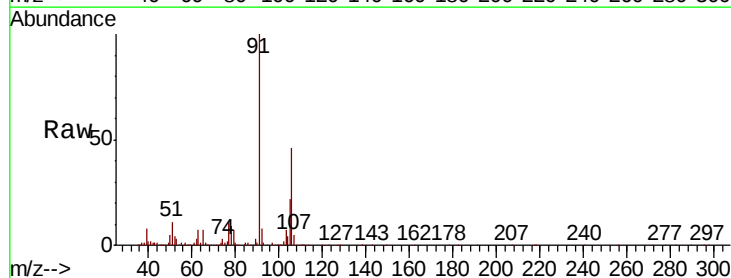
Acq: 18 Sep 2020 13:29

Tgt Ion:106 Resp: 40935

Ion Ratio Lower Upper

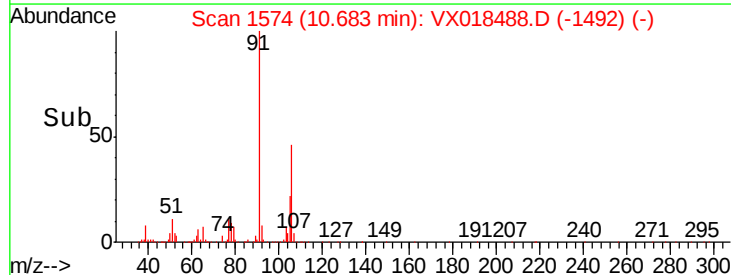
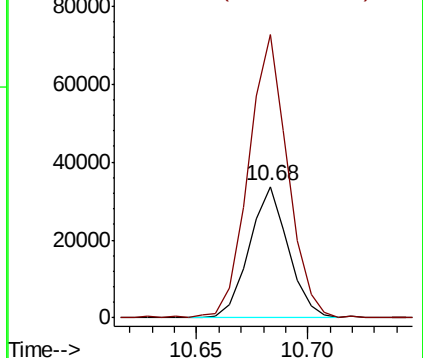
106 100

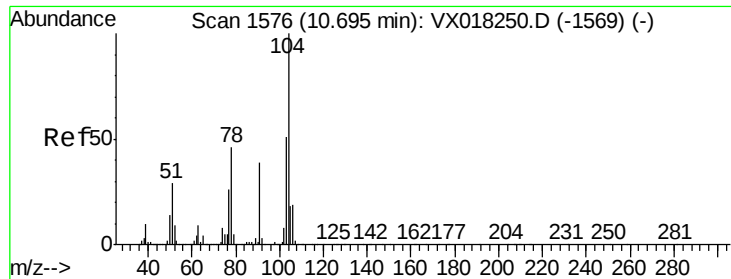
91 215.7 109.2 327.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 0.629 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

200916080-01-VOA

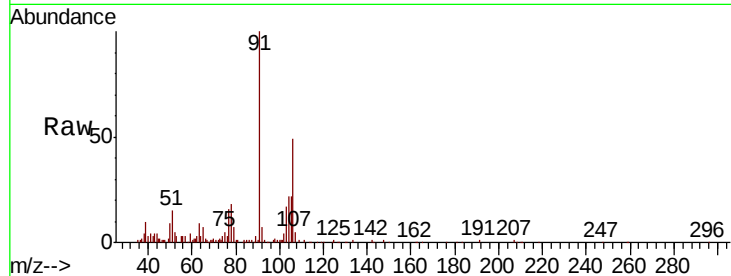
Tot Ion:104 Resp: 8185

Ion Ratio Lower Upper

104 100

78 111.6 41.7 62.5#

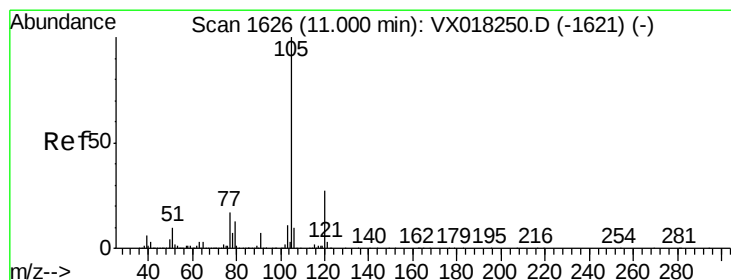
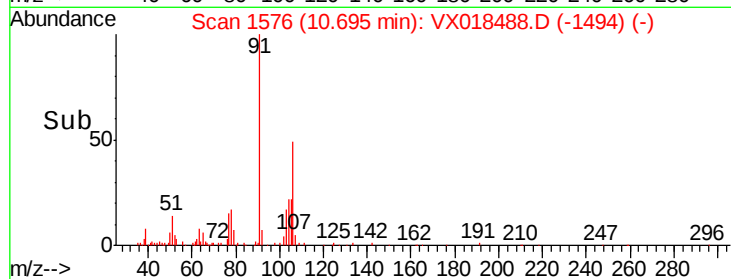
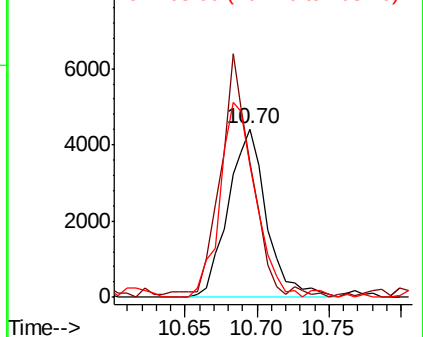
103 108.0 44.2 66.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 0.249 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018488.D

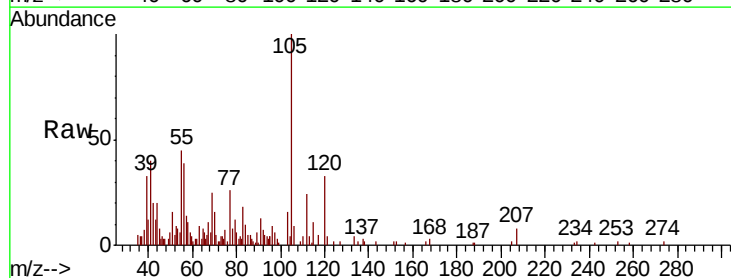
Acq: 18 Sep 2020 13:29

Tgt Ion:105 Resp: 5165

Ion Ratio Lower Upper

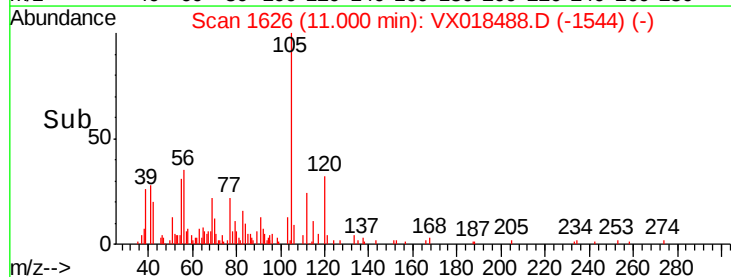
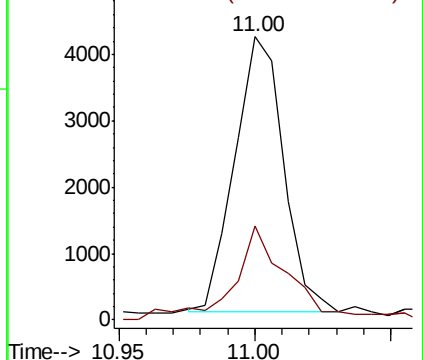
105 100

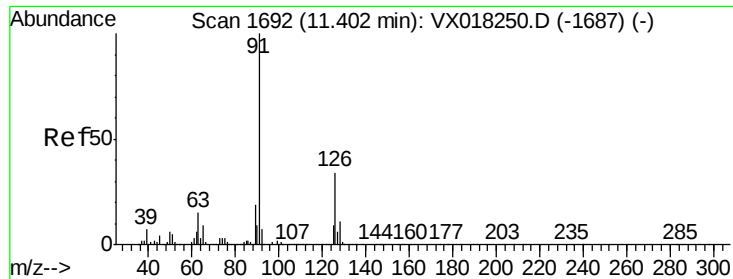
120 31.7 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

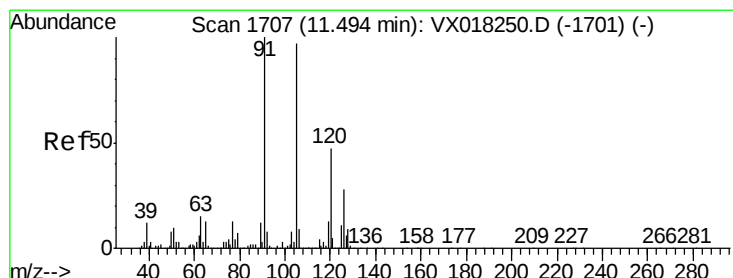
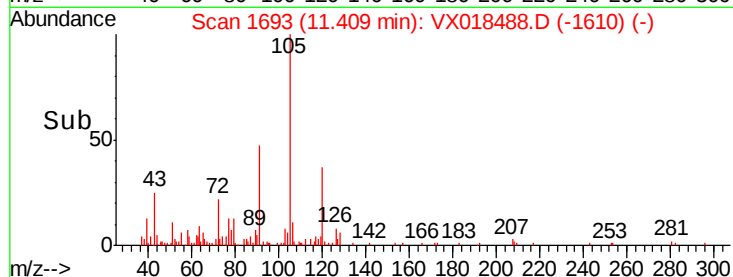
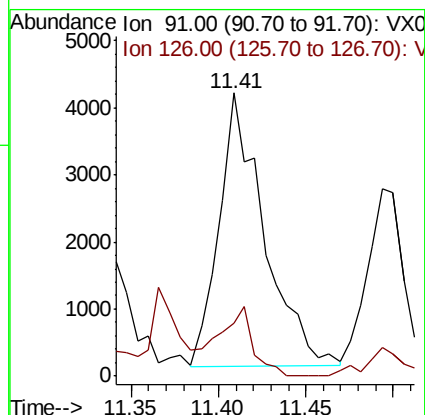
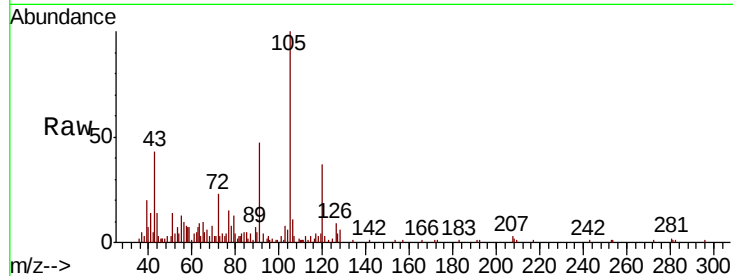




#75
2-Chlorotoluene
Concen: 0.491 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

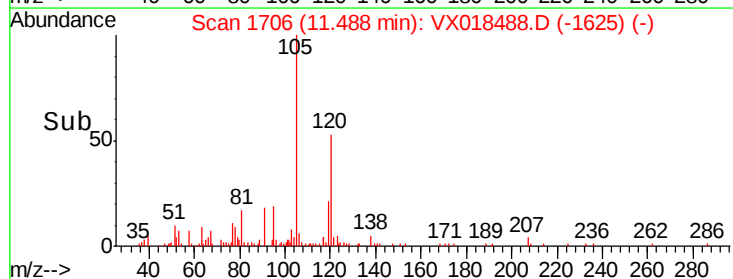
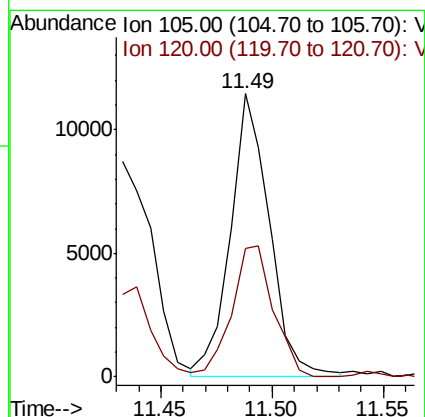
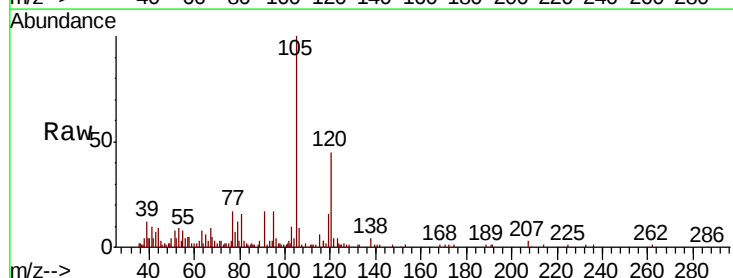
Instrument :
MSVOA_X
ClientSampleId :
200916080-01-VOA

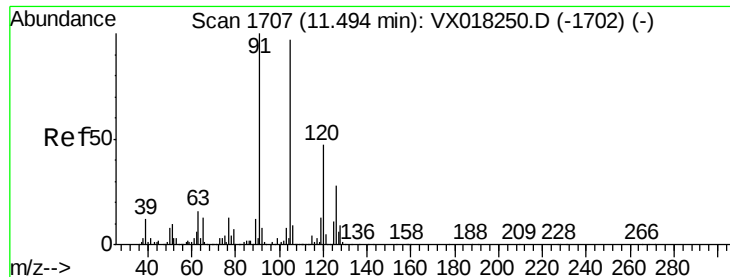
Tot Ion: 91 Resp: 7266
Ion Ratio Lower Upper
91 100
126 20.5 0.0 68.4



#76
1,3,5-Trimethylbenzene
Concen: 0.774 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

Tgt Ion: 105 Resp: 13979
Ion Ratio Lower Upper
105 100
120 49.4 0.0 95.0





#78

4-Chlorotoluene

Concen: 0.219 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

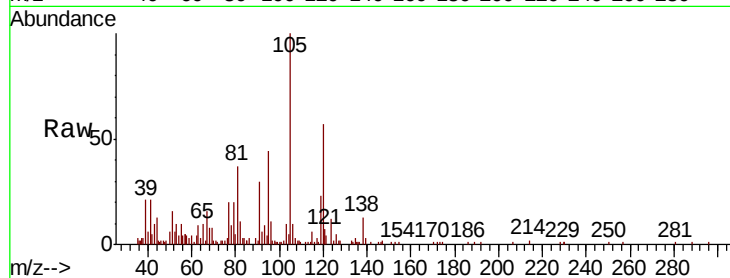
200916080-01-VOA

Tot Ion: 91 Resp: 3864

Ion Ratio Lower Upper

91 100

126 9.1 0.0 59.2



Abundance Ion 91.00 (90.70 to 91.70): VX018250.D (-1702) (-)

Ion 126.00 (125.70 to 126.70): VX018250.D (-1702) (-)

15000

10000

5000

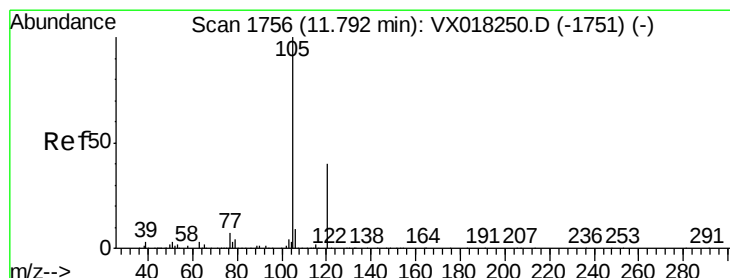
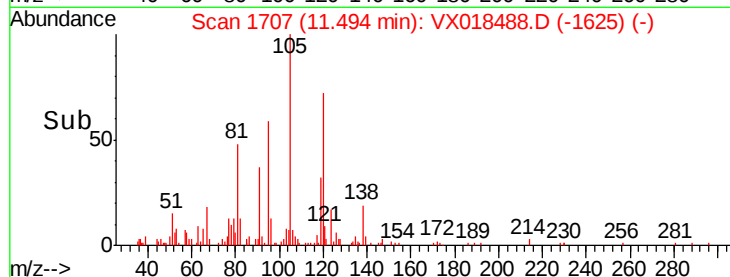
0

11.45

11.50

11.55

Time-->



#80

1,2,4-Trimethylbenzene

Concen: 2.632 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018488.D

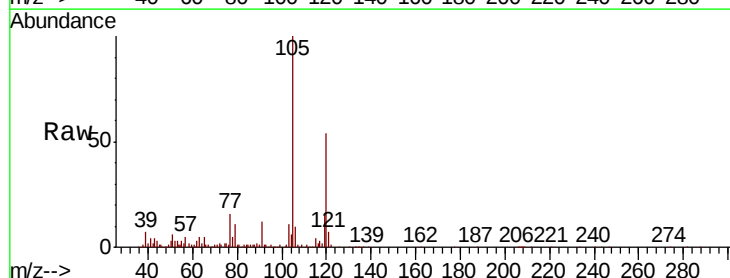
Acq: 18 Sep 2020 13:29

Tgt Ion: 105 Resp: 47004

Ion Ratio Lower Upper

105 100

120 48.1 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): VX018250.D (-1751) (-)

Ion 120.00 (119.70 to 120.70): VX018250.D (-1751) (-)

40000

30000

20000

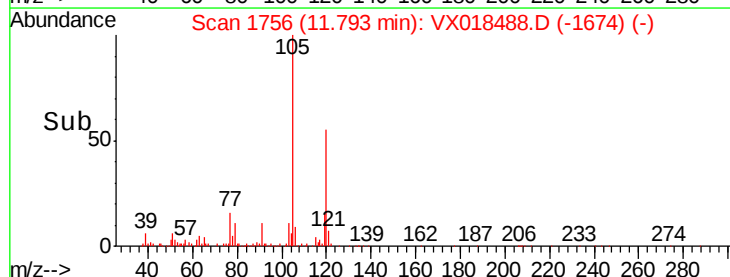
10000

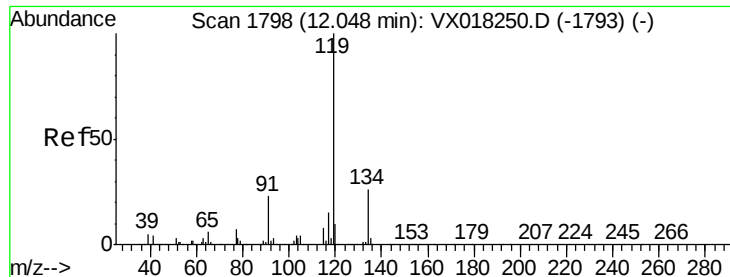
0

11.75

11.80

Time-->

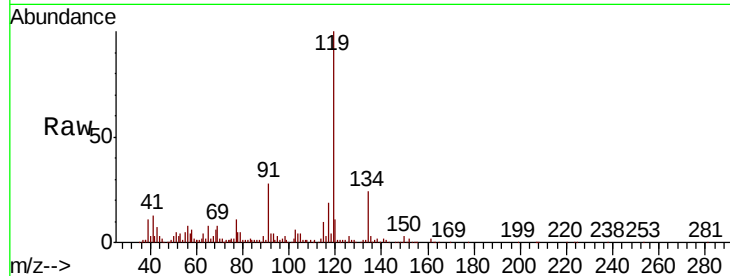




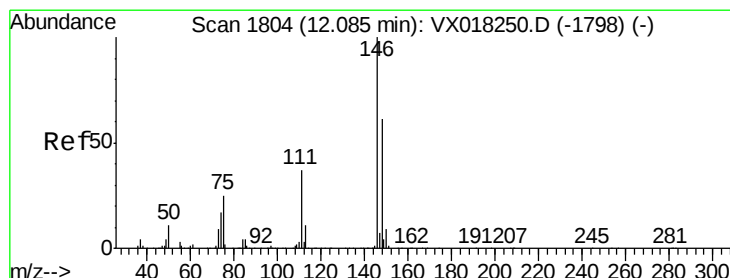
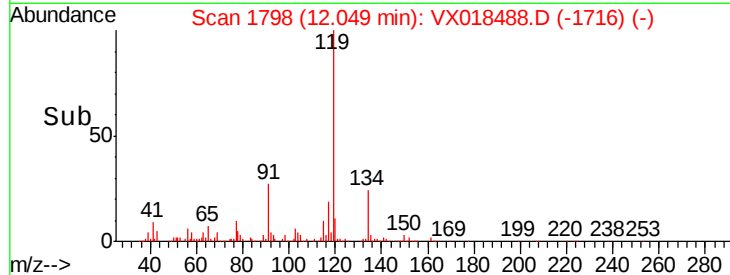
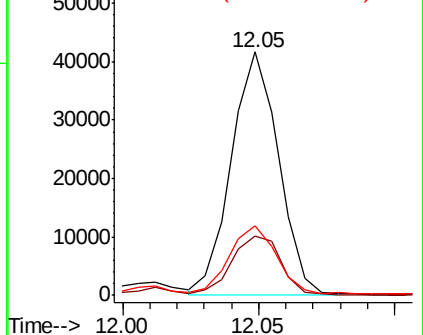
#82
 p-Isopropyltoluene
 Concen: 2.667 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX018488.D
 Acq: 18 Sep 2020 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 200916080-01-VOA

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	53.0
91	26.4	0.0	49.8

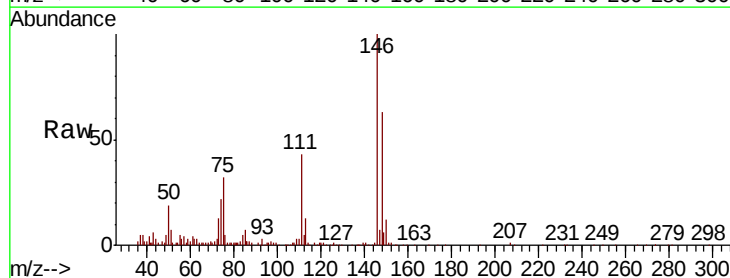


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

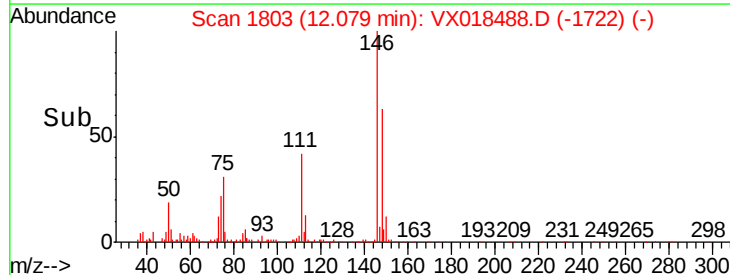
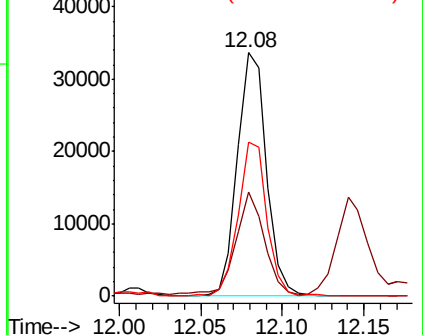


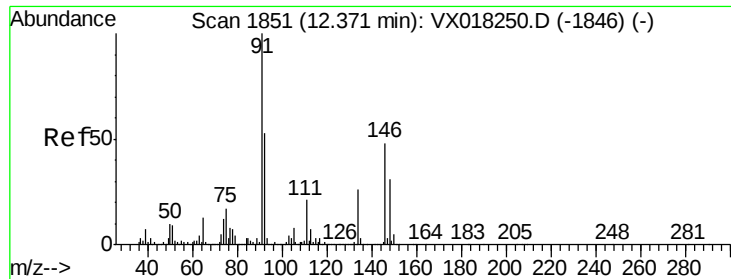
#84
 1,4-Dichlorobenzene
 Concen: 4.125 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX018488.D
 Acq: 18 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.3	57.8
148	62.2	31.7	95.1



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

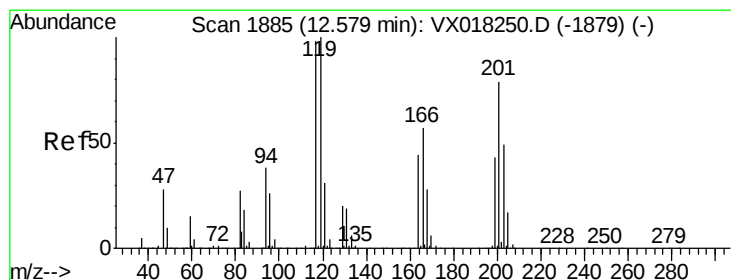
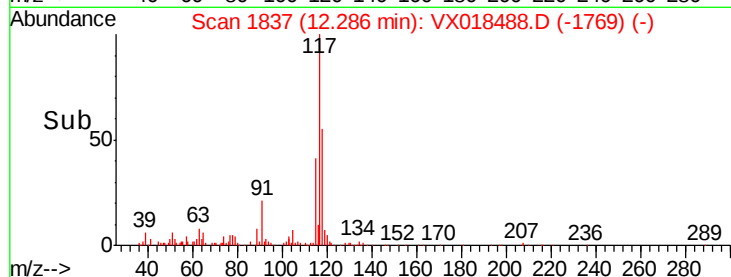
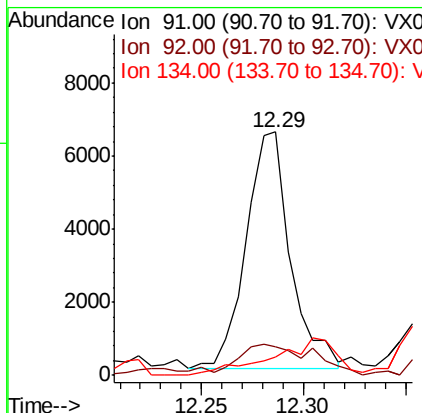
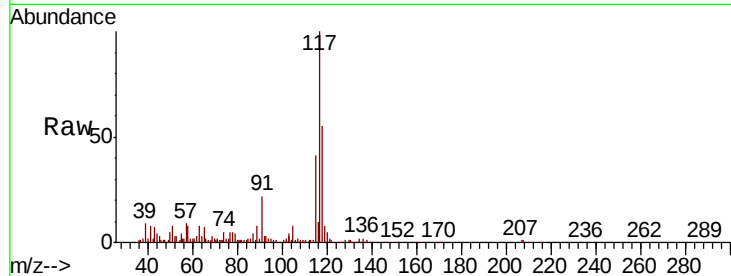




#85
n-Butylbenzene
Concen: 0.587 ug/l
RT: 12.29 min Scan# 1837
Delta R.T. -0.09 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

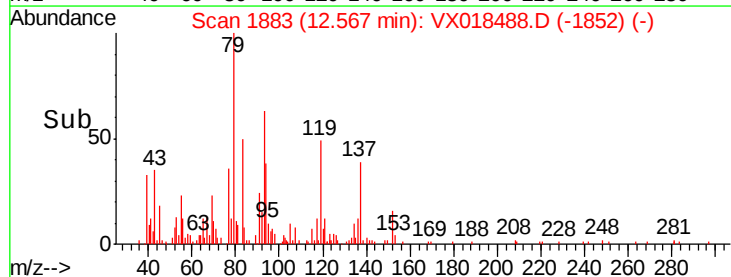
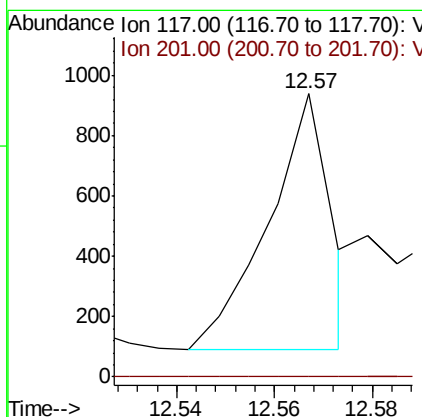
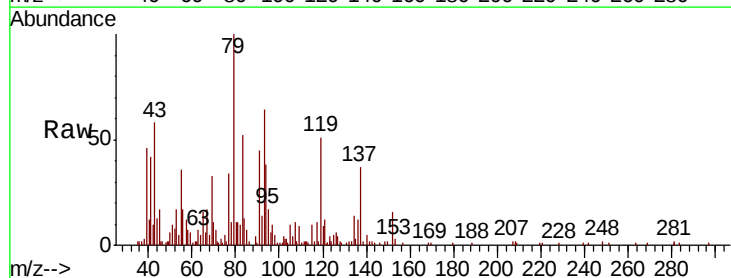
Instrument :
MSVOA_X
ClientSampleId :
200916080-01-VOA

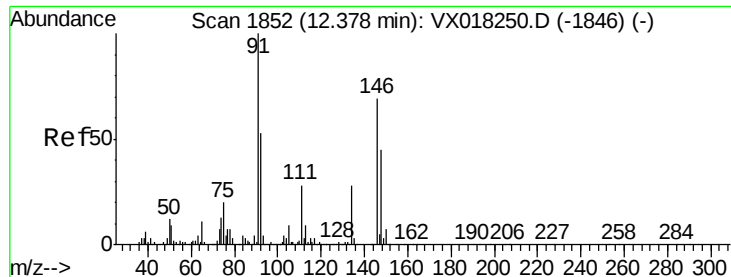
Tot Ion: 91 Resp: 9785
Ion Ratio Lower Upper
91 100
92 13.8 0.0 105.0
134 8.1 0.0 51.0



#86
Hexachloroethane
Concen: 0.201 ug/l
RT: 12.57 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

Tgt Ion: 117 Resp: 748
Ion Ratio Lower Upper
117 100
201 0.0 39.6 118.8#





#87

1,2-Dichlorobenzene

Concen: 0.349 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

Instrument :

MSVOA_X

ClientSampleId :

200916080-01-VOA

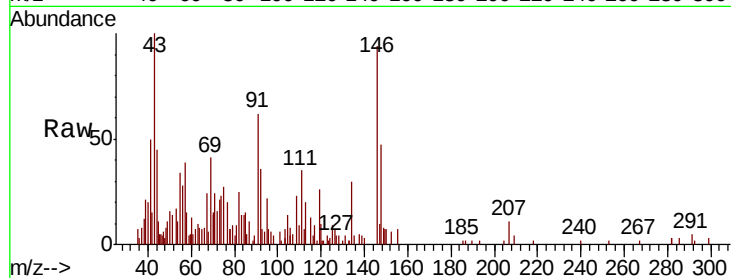
Tot Ion:146 Resp: 3322

Ion Ratio Lower Upper

146 100

111 38.9 21.4 64.3

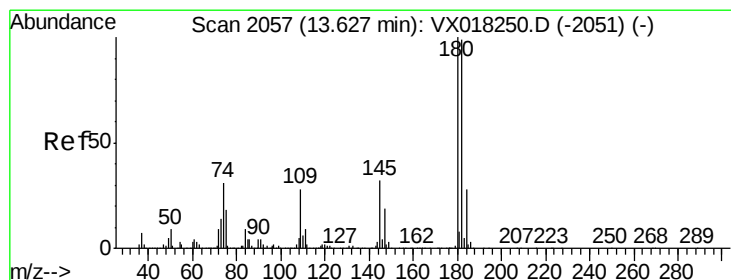
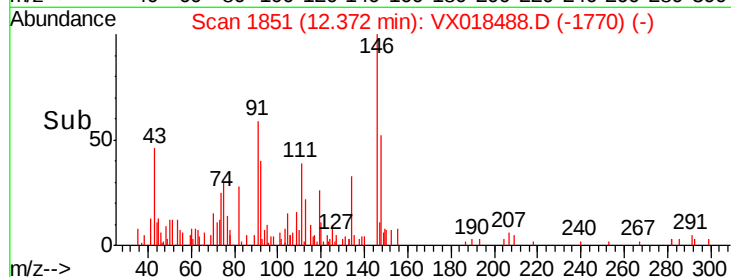
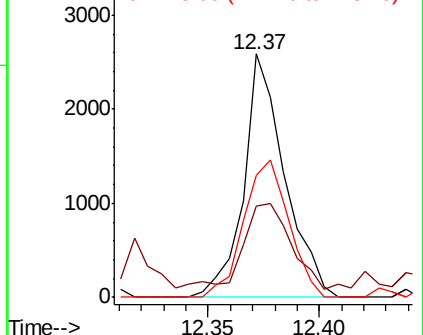
148 62.0 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

1,2,4-Trichlorobenzene

Concen: 0.257 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018488.D

Acq: 18 Sep 2020 13:29

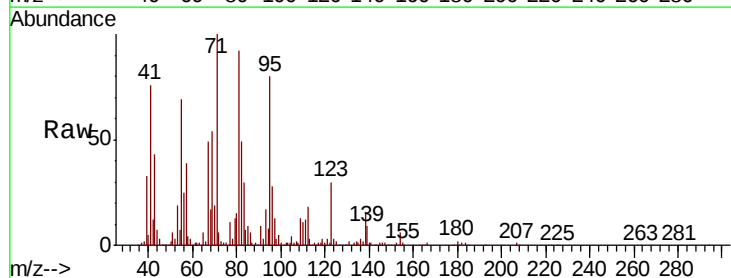
Tgt Ion:180 Resp: 1650

Ion Ratio Lower Upper

180 100

182 93.7 77.1 115.7

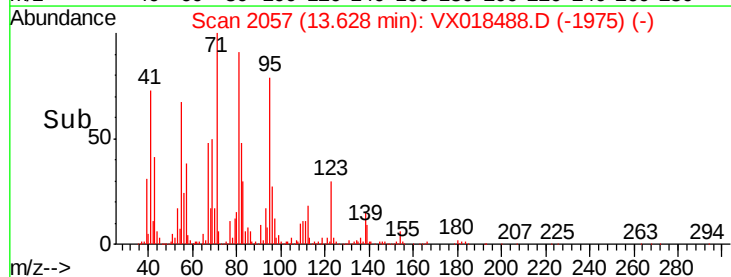
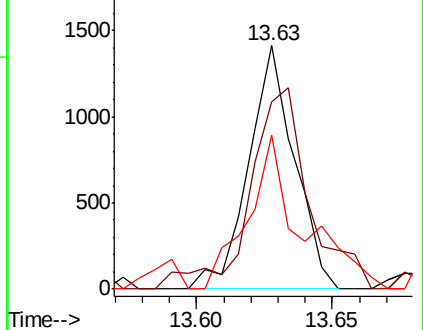
145 56.1 25.0 37.6#

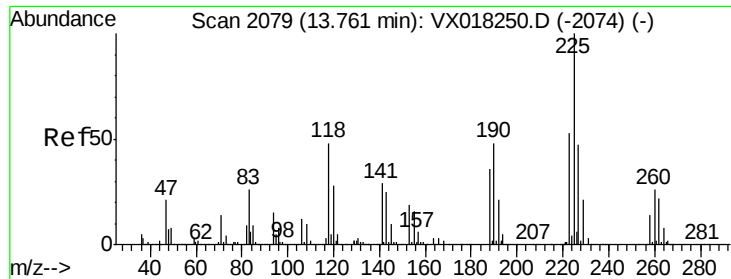


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

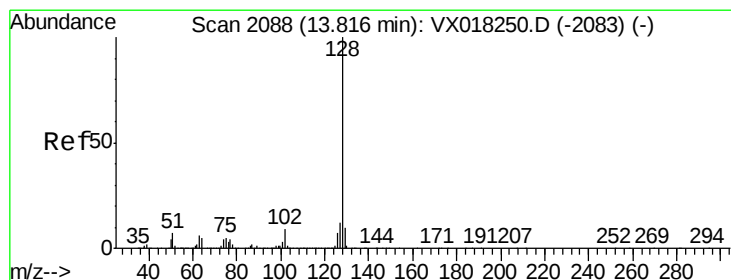
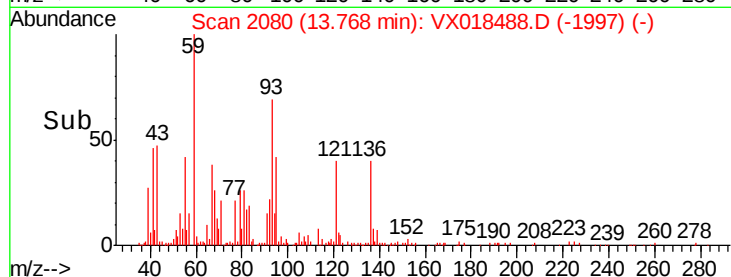
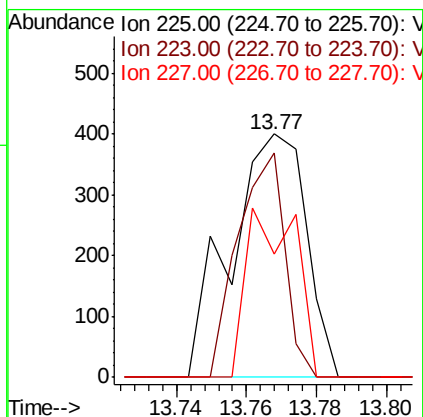
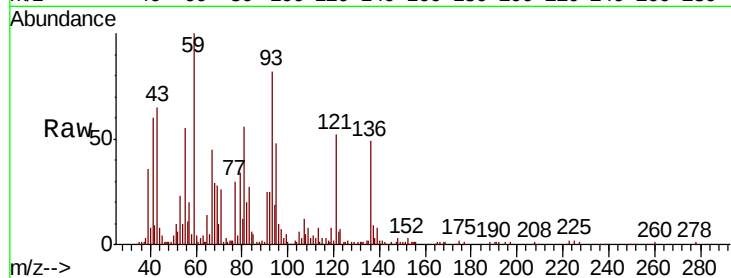




#90
Hexachlorobutadiene
Concen: 0.221 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

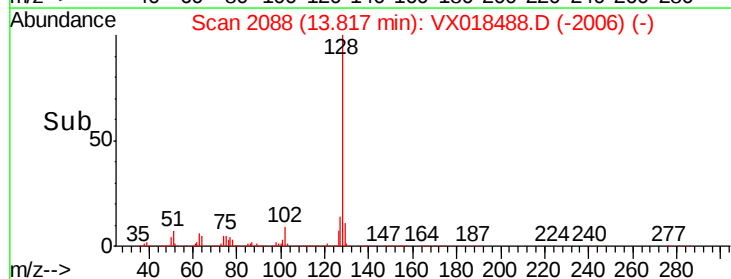
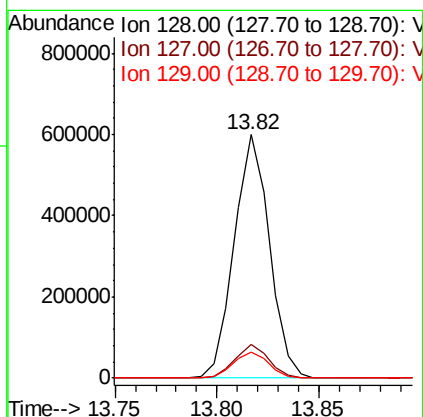
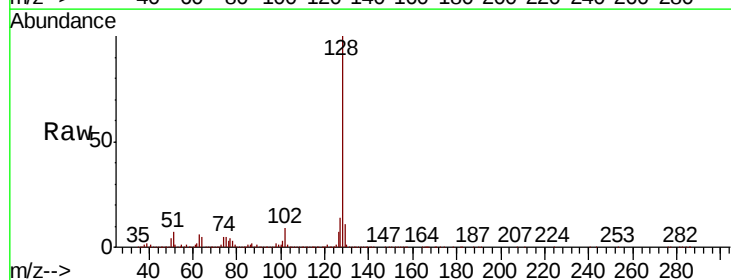
Instrument :
MSVOA_X
ClientSampleId :
200916080-01-VOA

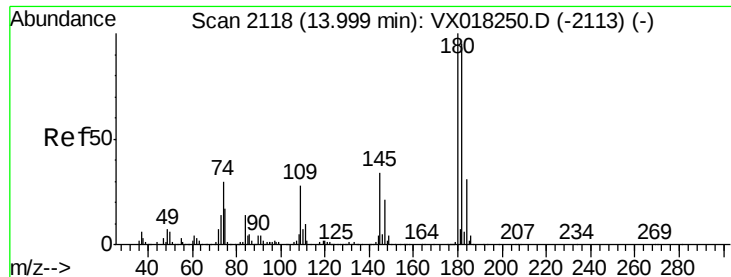
Tot Ion:225 Resp: 600
Ion Ratio Lower Upper
225 100
223 57.0 0.0 115.8
227 45.7 0.0 117.0



#91
Naphthalene
Concen: 35.592 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018488.D
Acq: 18 Sep 2020 13:29

Tgt Ion:128 Resp: 714423
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.7 13.1

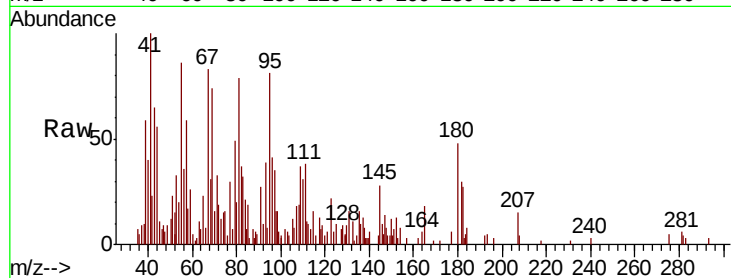




#92
 1,2,3-Trichlorobenzene
 Concen: 0.262 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018488.D
 Acq: 18 Sep 2020 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 200916080-01-VOA

Tot Ion	Ratio	Lower	Upper
180	100		
182	114.9	0.0	191.6
145	58.3	0.0	67.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

