

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019083.D
 Acq On : 23 Oct 2020 18:01
 Operator : JC/SP
 Sample : L4490-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201021073-02-VOA

Quant Time: Oct 26 04:17:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	40036	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	218617	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	197066	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	79309	29.74	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.13%
60) 4-Bromofluorobenzene	11.12	95	91727	31.01	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.37%
63) Toluene-d8	8.70	98	260230	29.91	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.70%

Target Compounds

					Ovalue
4) Vinyl Chloride	1.39	62	1322	0.555 ug/l #	88
5) Bromomethane	1.64	94	357	0.216 ug/l	85
8) Diethyl Ether	2.17	74	5876	3.778 ug/l	95
11) Methyl Iodide	2.50	142	413	7.498 ug/l #	74
12) Methyl Acetate	3.17	43	3409	1.709 ug/l	98
15) Acetone	2.42	58	35919	133.773 ug/l	96
16) Carbon Disulfide	2.55	76	3133	0.559 ug/l #	93
17) Allyl chloride	2.57	41	1404	0.558 ug/l	86
22) cis-1,2-Dichloroethene	4.56	96	1521	0.558 ug/l #	71
23) tert-Butyl Alcohol	3.00	59	2272734	5001.440 ug/l #	100
24) Methyl tert-Butyl Ether	3.16	73	18763	2.944 ug/l	94
30) 2-Butanone	4.64	43	165954	135.070 ug/l #	89
31) 2,2-Dichloropropane	4.65	77	125004	35.425 ug/l #	51
34) Benzene	6.12	78	41759	4.602 ug/l	96
39) 1,2-Dichloropropane	7.49	63	501	0.238 ug/l #	80
43) Ethyl Acetate	5.09	43	100357	38.936 ug/l	93
44) Isopropyl Acetate	6.41	43	2154	0.499 ug/l #	51
45) 1,4-Dioxane	7.71	88	5573	122.844 ug/l	92
47) n-amyl Acetate	11.17	43	3765	1.088 ug/l	94
50) 1,1,2-Trichloroethane	9.12	97	1092	0.461 ug/l #	22
51) Ethyl methacrylate	9.60	69	1119	0.324 ug/l	87
56) Bromoform	11.12	173	712	0.386 ug/l #	1
58) 4-Methyl-2-Pentanone	8.62	43	6231	2.507 ug/l	92
59) 2-Hexanone	9.48	43	1540	0.832 ug/l #	42
62) Toluene	8.76	91	37088	3.581 ug/l	99
64) Chlorobenzene	10.12	112	8675	1.347 ug/l	92
66) Ethyl Benzene	10.24	91	74272	6.541 ug/l	100
67) m/p-Xylenes	10.34	106	52599	12.146 ug/l	96
68) o-Xylene	10.68	106	31523	7.632 ug/l	99
69) Styrene	10.70	104	4655	0.669 ug/l #	1
70) Isopropylbenzene	11.00	105	9917	0.893 ug/l	99
74) n-propylbenzene	11.34	91	3158	0.251 ug/l	96
75) 2-Chlorotoluene	11.41	91	4803	0.675 ug/l	71
76) 1,3,5-Trimethylbenzene	11.49	105	10201	1.132 ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	728	0.636 ug/l #	23
78) 4-Chlorotoluene	11.49	91	2121	0.254 ug/l	58
79) tert-butylbenzene	11.79	119	4633	0.522 ug/l	58

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 03:21:29 2020
Response via : Initial Calibration

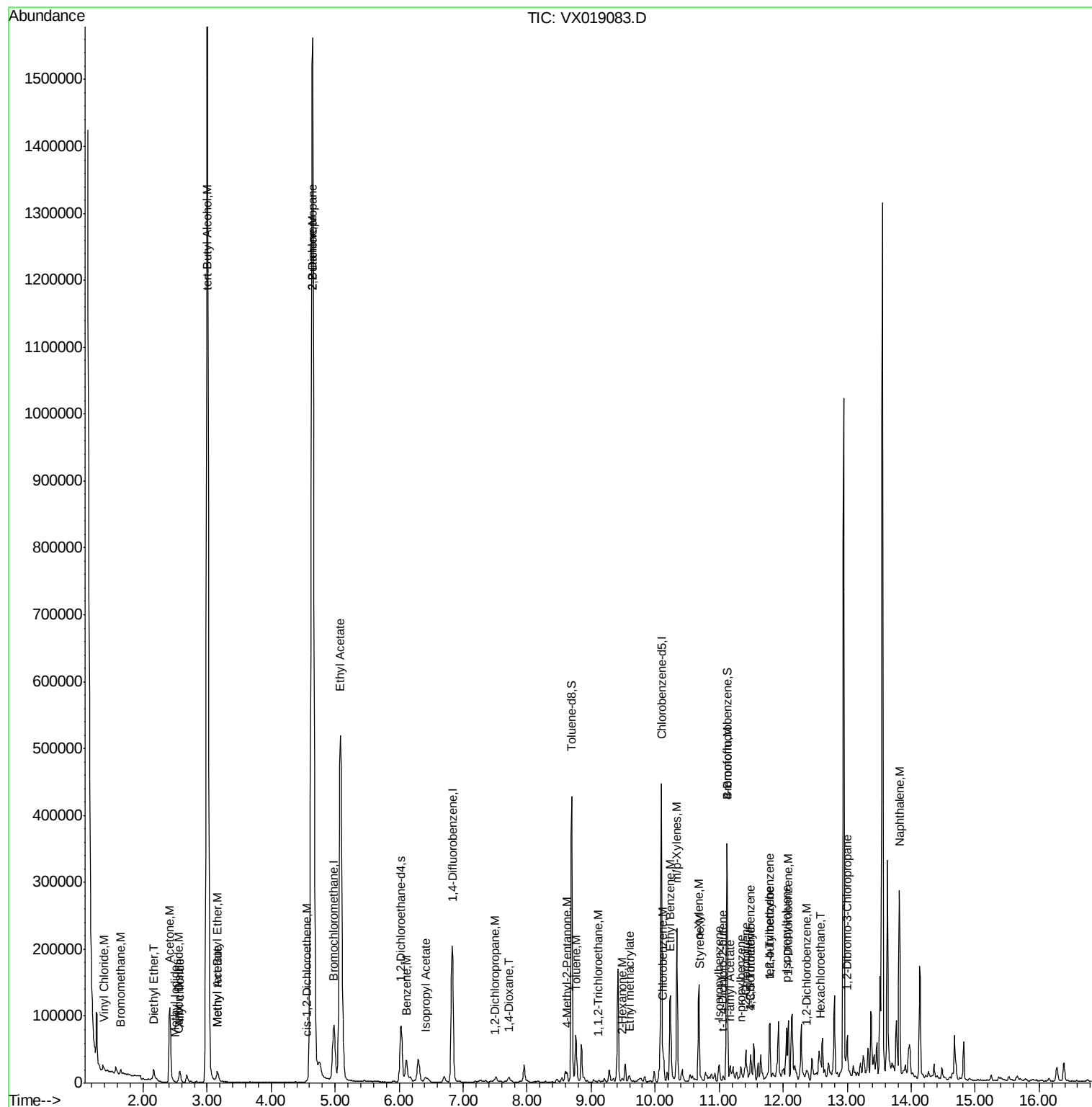
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,2,4-Trimethylbenzene	11.79	105	38303	4.276	ug/l	99
82) p-Isopropyltoluene	12.05	119	25442	2.629	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	26684	5.418	ug/l	96
86) Hexachloroethane	12.59	117	350	0.235	ug/l #	11
87) 1,2-Dichlorobenzene	12.37	146	2218	0.478	ug/l	89
88) 1,2-Dibromo-3-Chloropropan	12.99	75	402	0.554	ug/l #	1
91) Naphthalene	13.82	128	168860	15.435	ug/l	99

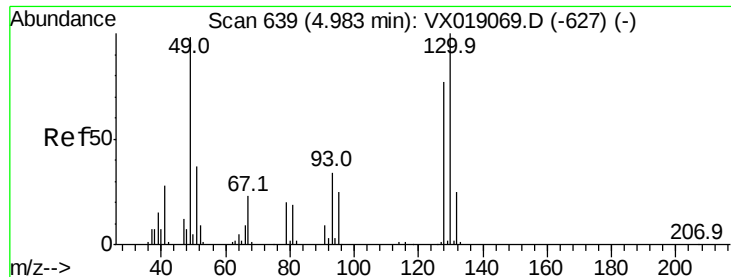
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

201021073-02-VOA

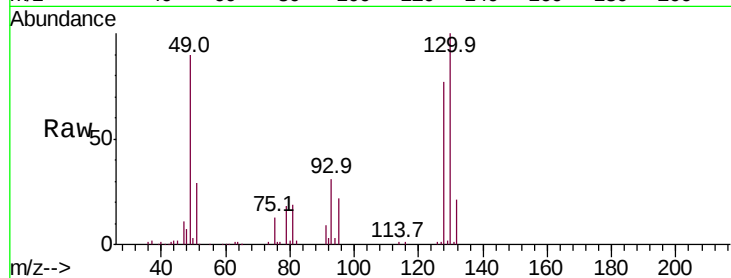
Tot Ion:128 Resp: 40036

Ion Ratio Lower Upper

128 100

49 123.3 0.0 318.8

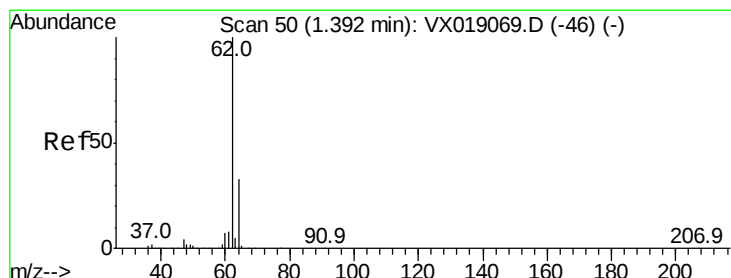
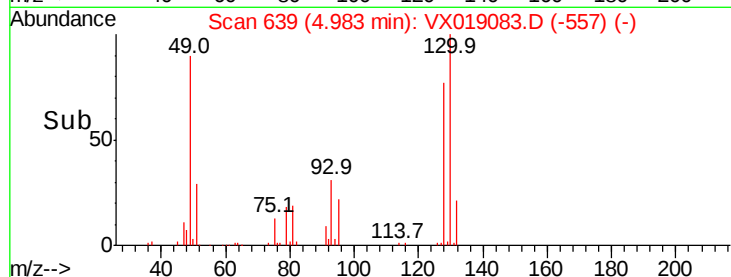
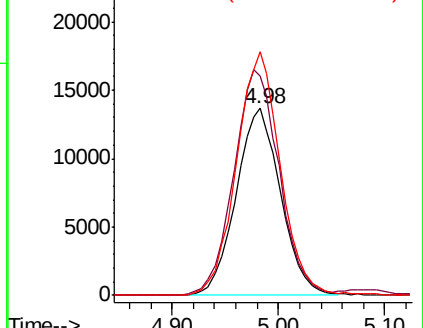
130 127.8 0.0 321.8



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: 0.555 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019083.D

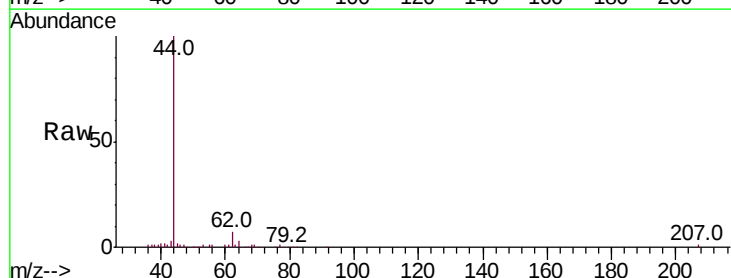
Acq: 23 Oct 2020 18:01

Tgt Ion: 62 Resp: 1322

Ion Ratio Lower Upper

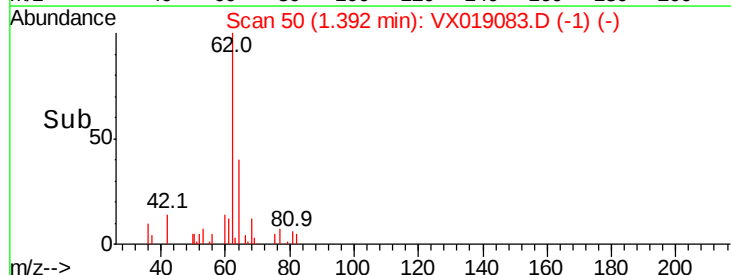
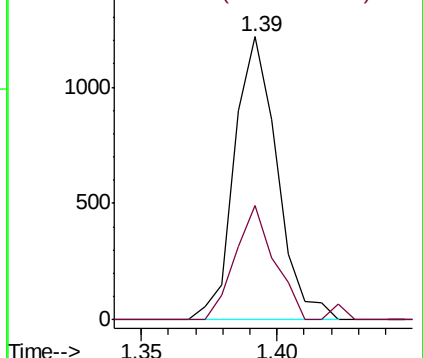
62 100

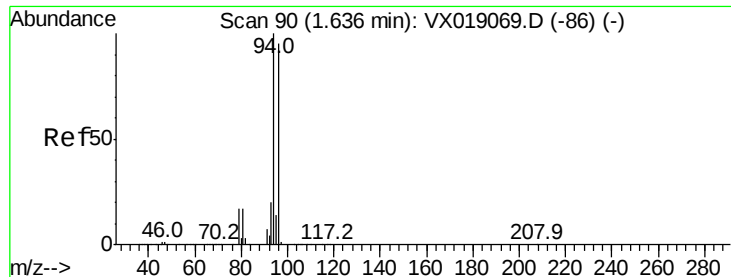
64 40.3 26.7 40.1#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

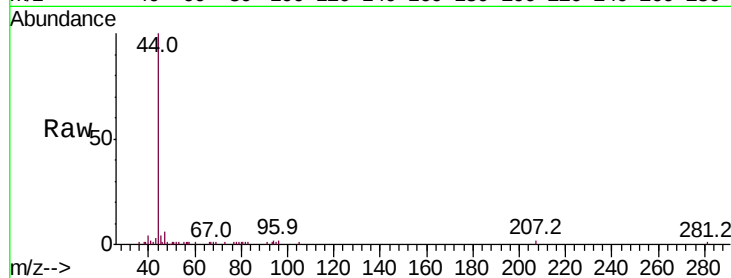
201021073-02-VOA

Tot Ion: 94 Resp: 357

Ion Ratio Lower Upper

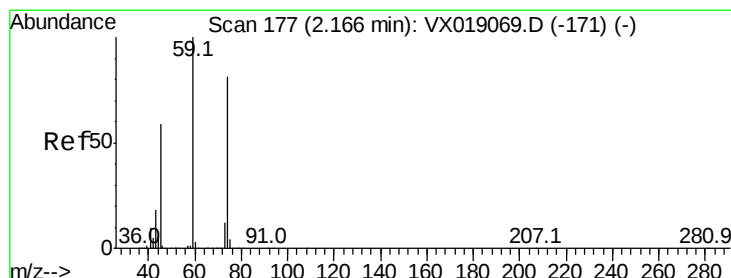
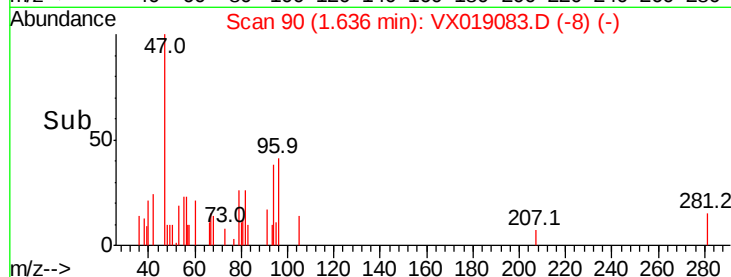
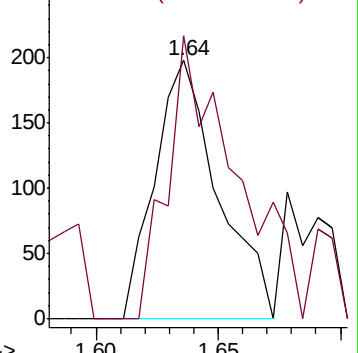
94 100

96 109.6 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#8

Diethyl Ether

Concen: 3.778 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX019083.D

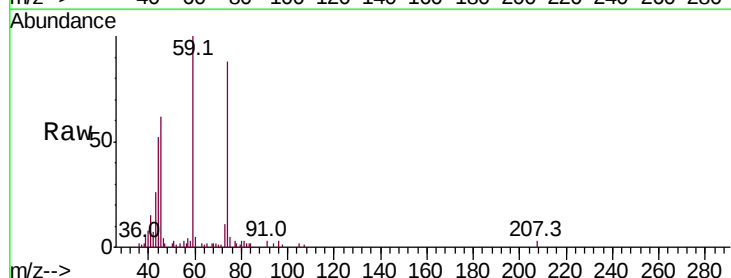
Acq: 23 Oct 2020 18:01

Tgt Ion: 74 Resp: 5876

Ion Ratio Lower Upper

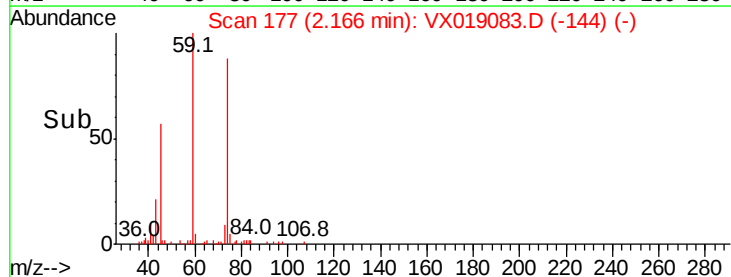
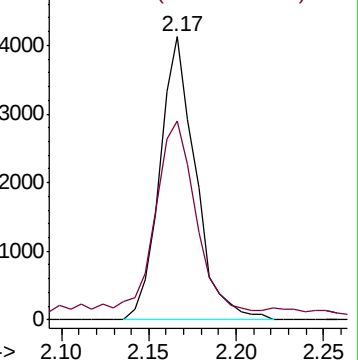
74 100

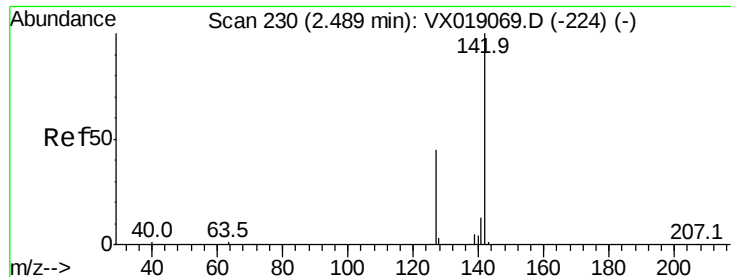
45 76.5 14.5 130.7



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

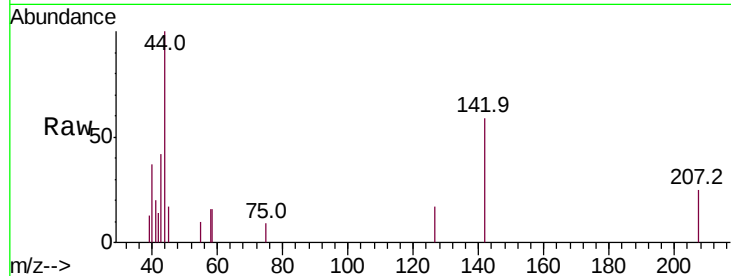




#11
Methyl Iodide
Concen: 7.498 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

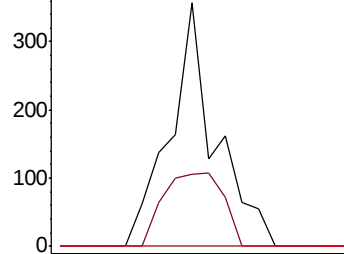
Instrument :
MSVOA_X
ClientSampleId :
201021073-02-VOA

Tot Ion:142 Resp: 413
Ion Ratio Lower Upper
142 100
127 29.4 22.6 67.7
141 0.0 6.3 19.1#

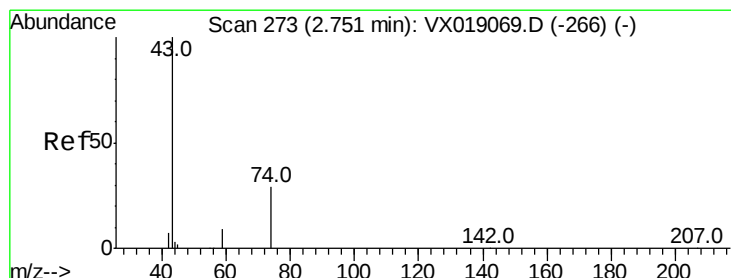
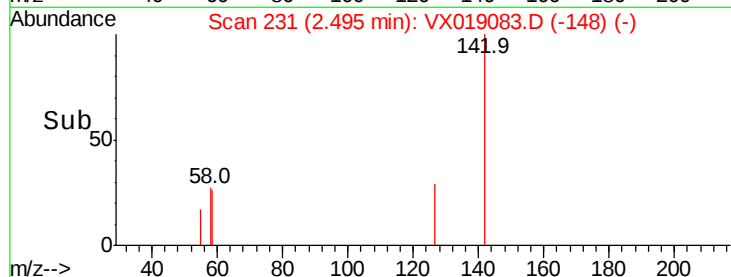


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

2.50

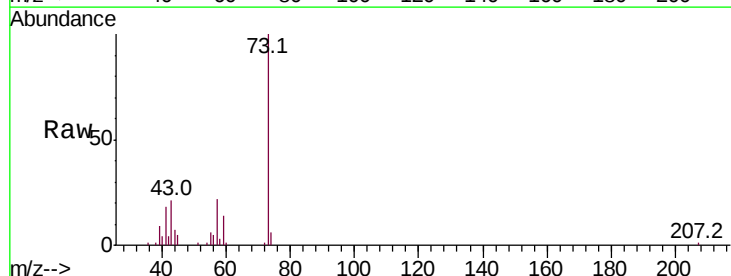


Time--> 2.45 2.50



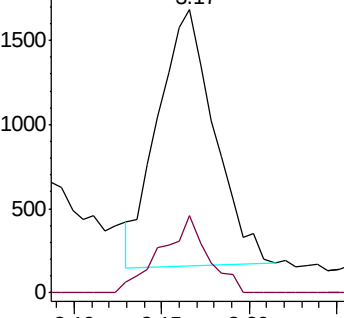
#12
Methyl Acetate
Concen: 1.709 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.41 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
74 30.9 23.9 35.9

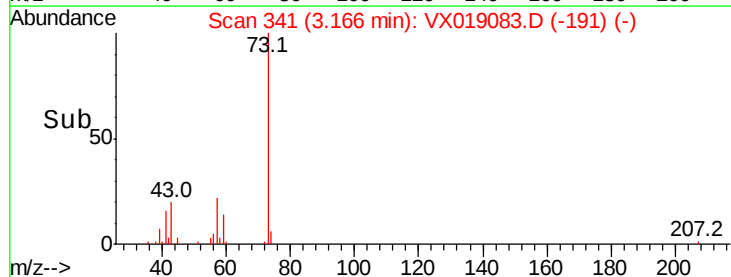


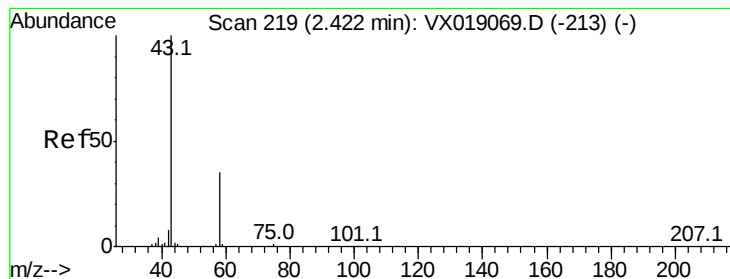
Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0

3.17



Time--> 3.10 3.15 3.20





#15

Acetone

Concen: 133.773 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

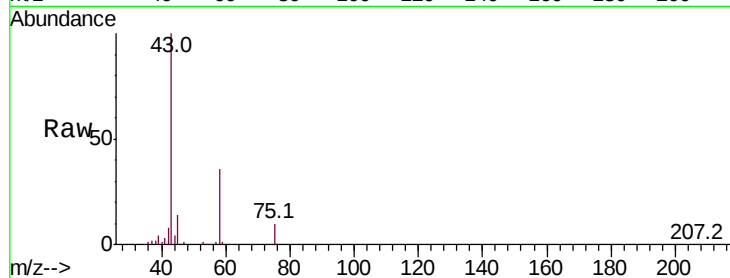
201021073-02-VOA

Tot Ion: 58 Resp: 35919

Ion Ratio Lower Upper

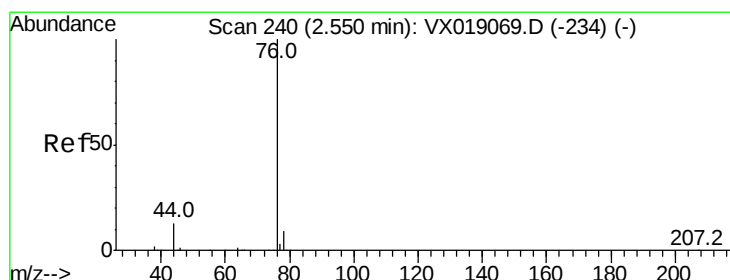
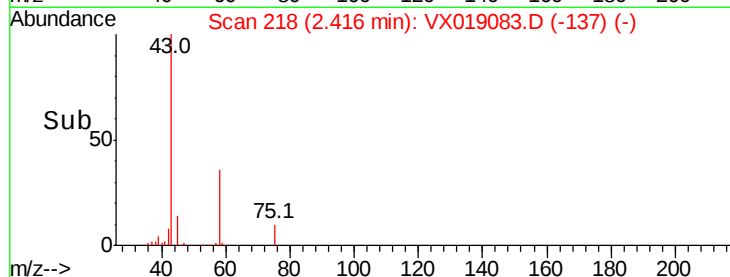
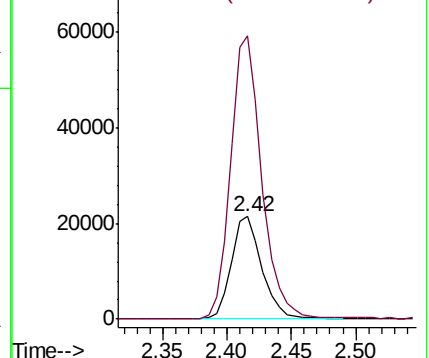
58 100

43 275.7 226.7 340.1



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.559 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019083.D

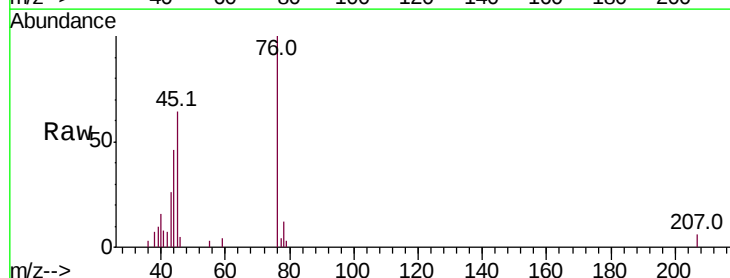
Acq: 23 Oct 2020 18:01

Tgt Ion: 76 Resp: 3133

Ion Ratio Lower Upper

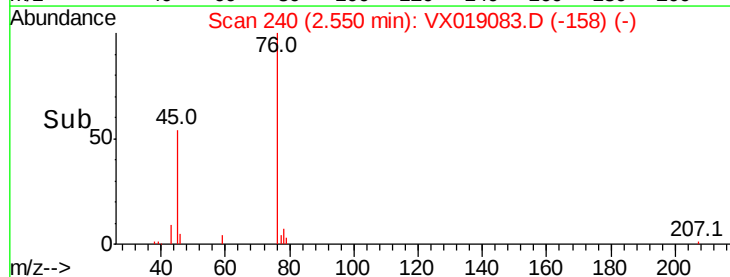
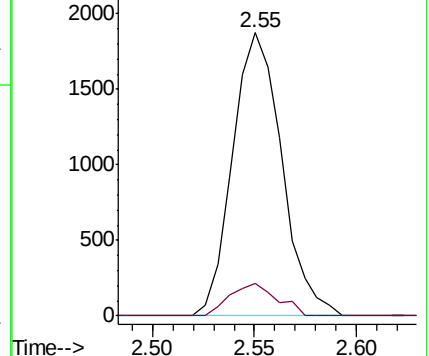
76 100

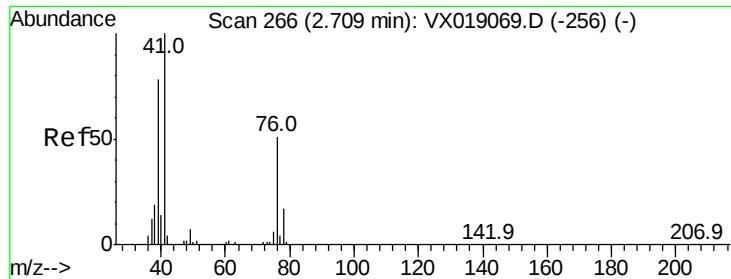
78 11.7 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

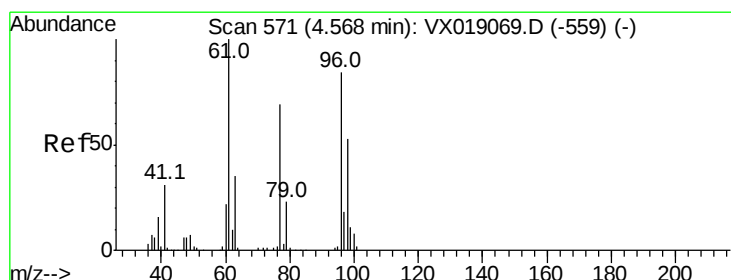
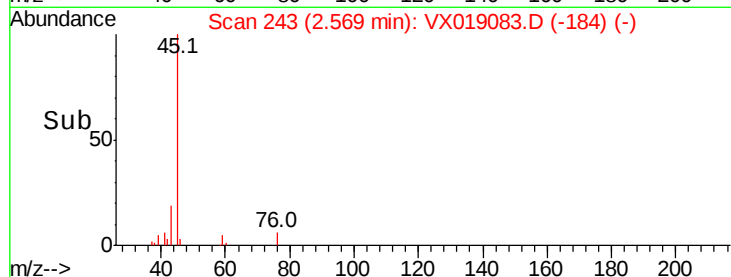
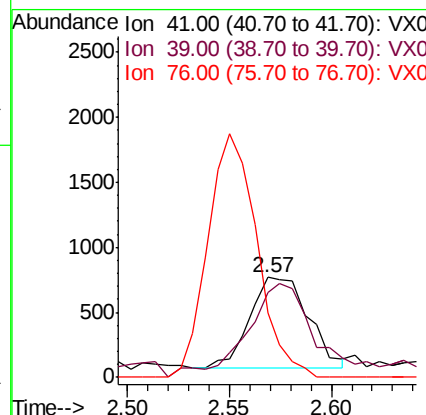
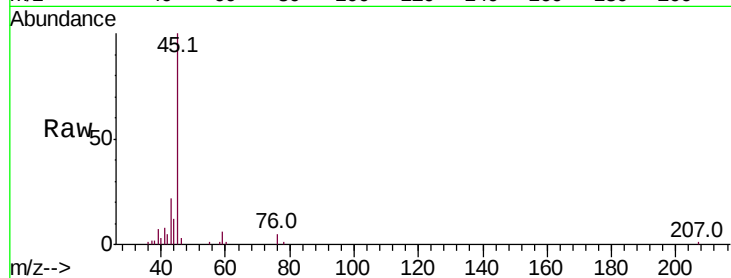




#17
Allvl chloride
Concen: 0.558 ug/l
RT: 2.57 min Scan# 243
Delta R.T. -0.14 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

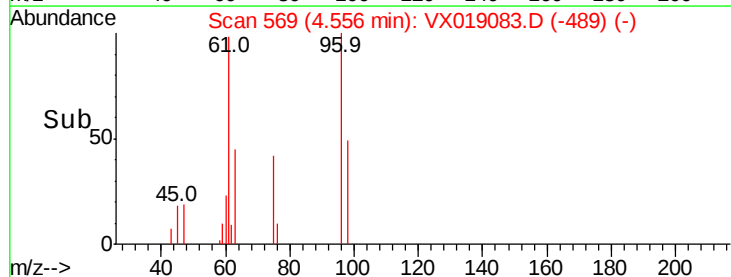
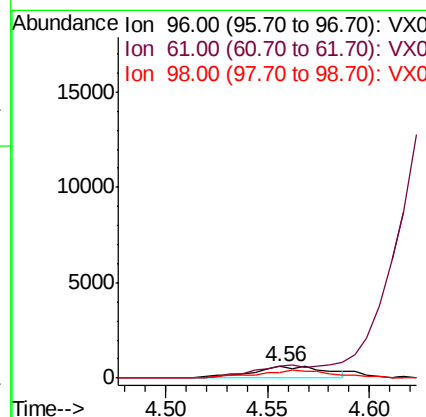
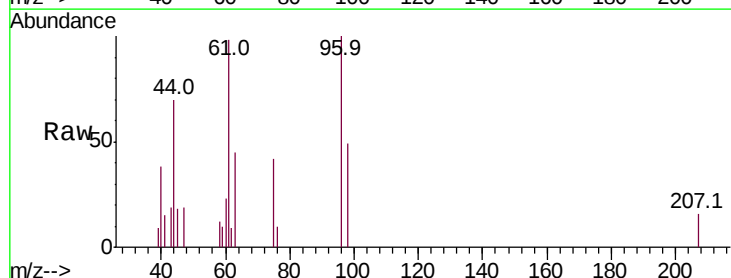
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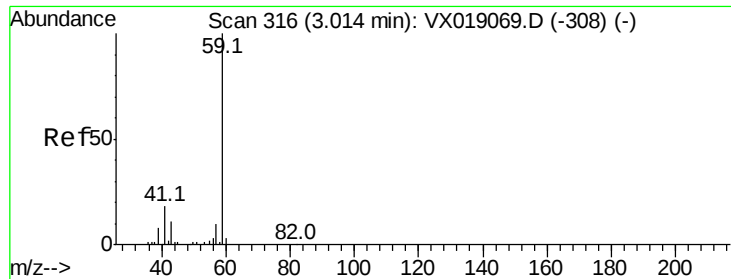
Tot Ion: 41 Resp: 1404
Ion Ratio Lower Upper
41 100
39 82.1 38.8 116.3
76 71.3 25.8 77.4



#22
cis-1,2-Dichloroethene
Concen: 0.558 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion: 96 Resp: 1521
Ion Ratio Lower Upper
96 100
61 80.1 101.9 152.9#
98 60.5 51.3 76.9



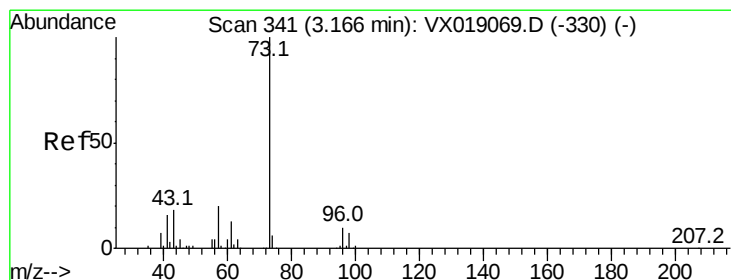
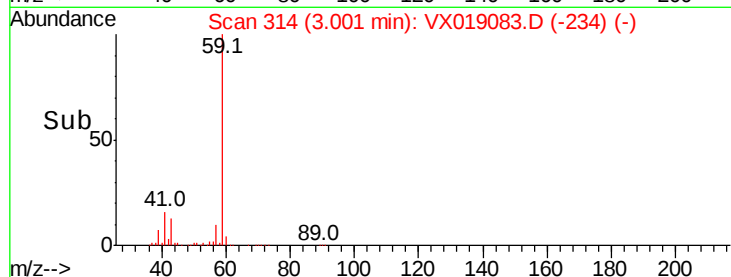
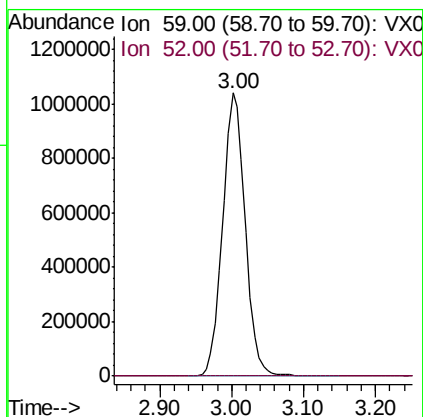
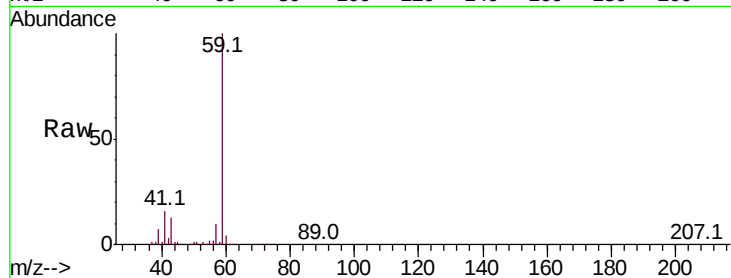


#23

tert-Butyl Alcohol
 Concen: 5001.440 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 201021073-02-VOA

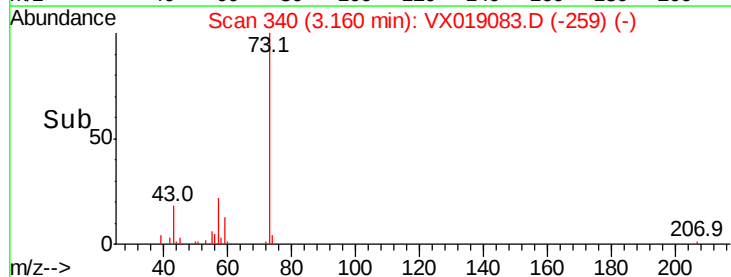
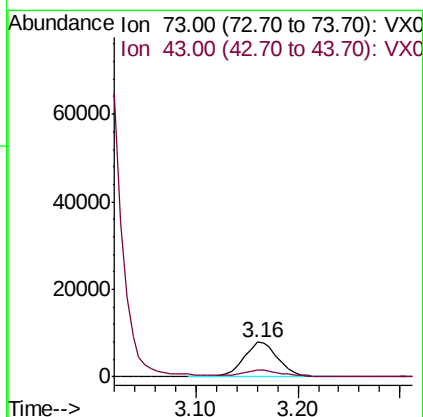
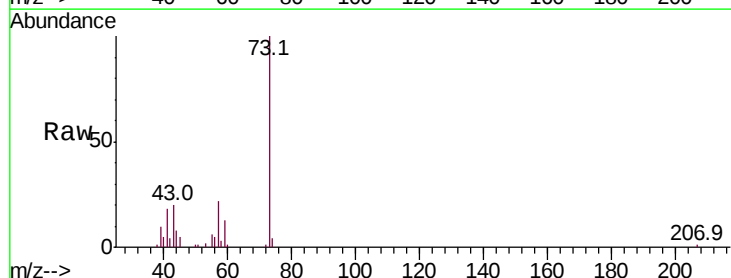
Tot Ion: 59 Resp: 2272734
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.4#

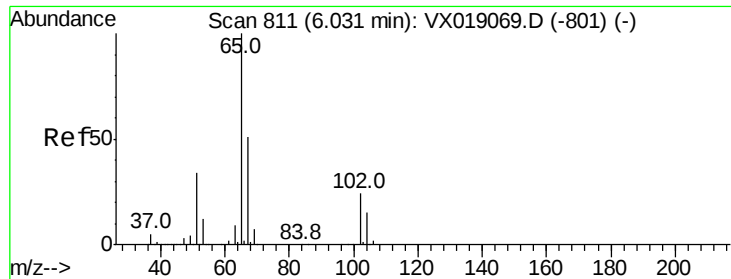


#24

Methyl tert-Butyl Ether
 Concen: 2.944 ug/l
 RT: 3.16 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

Tgt Ion: 73 Resp: 18763
 Ion Ratio Lower Upper
 73 100
 43 20.1 13.9 20.9





#27

1,2-Dichloroethane-d4

Concen: 29.741 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

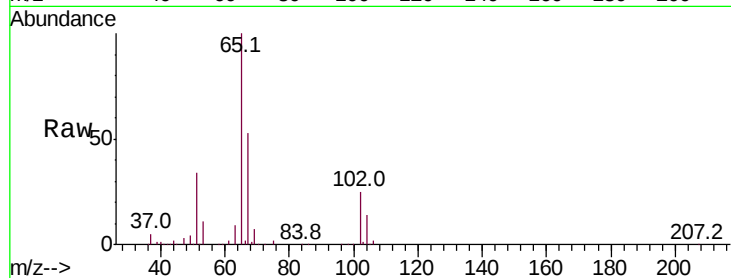
201021073-02-VOA

Tot Ion: 65 Resp: 79309

Ion Ratio Lower Upper

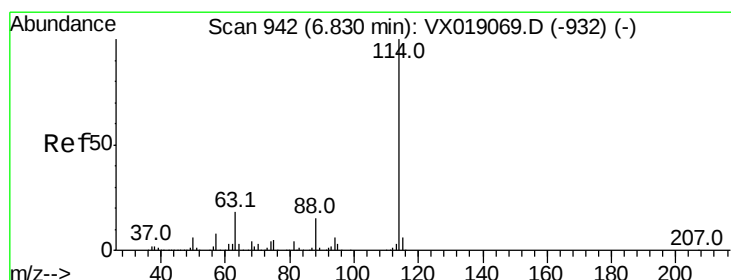
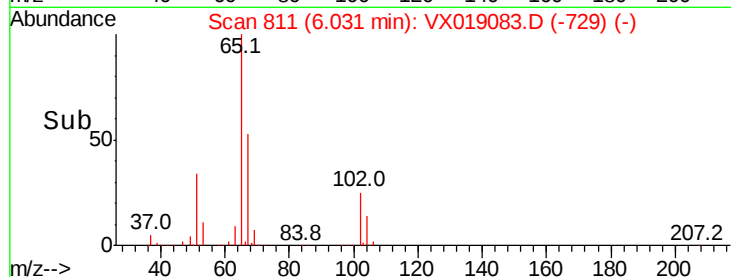
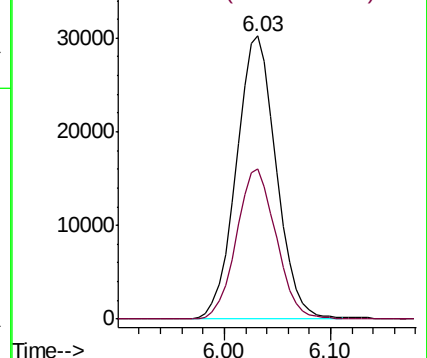
65 100

67 53.0 42.0 63.0



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: VX019083.D

Acq: 23 Oct 2020 18:01

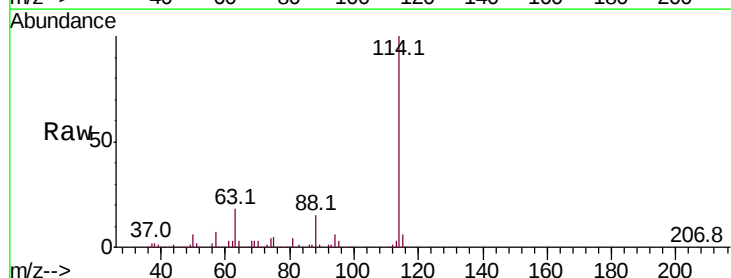
Tgt Ion:114 Resp: 218617

Ion Ratio Lower Upper

114 100

63 18.3 14.6 21.8

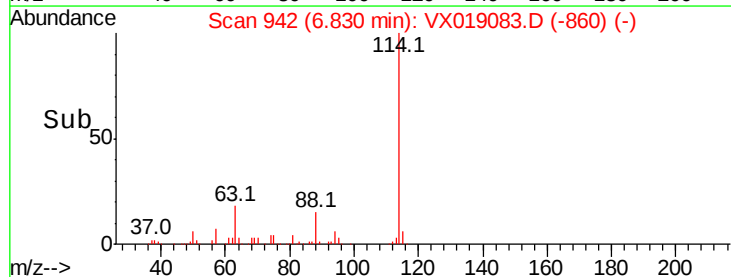
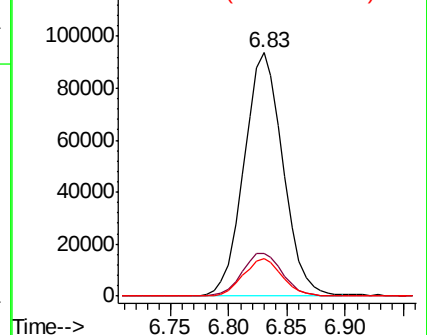
88 15.5 12.2 18.2

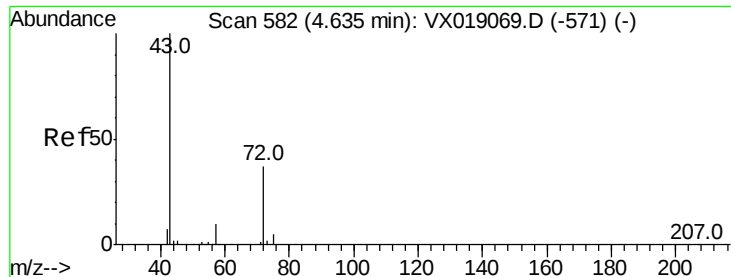


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

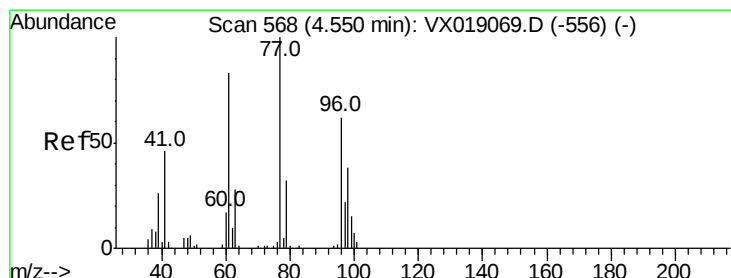
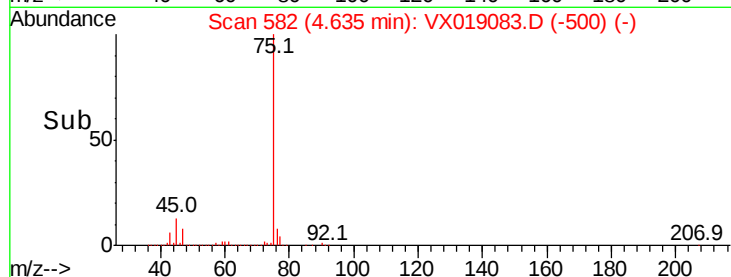
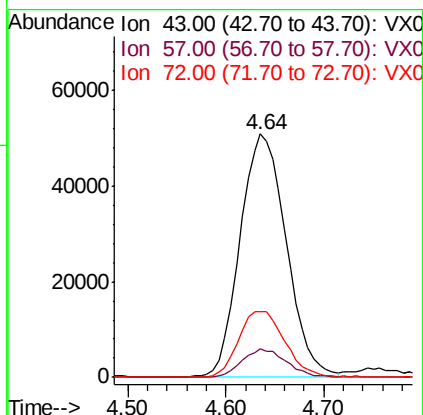
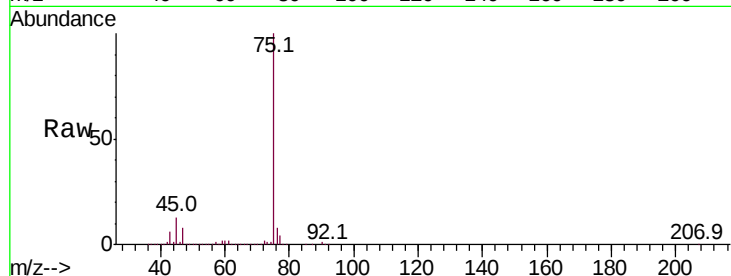




#30
2-Butanone
Concen: 135.070 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

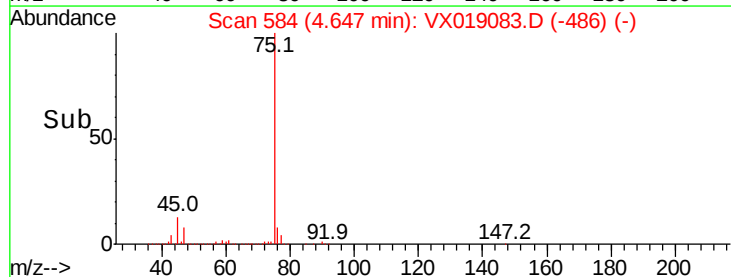
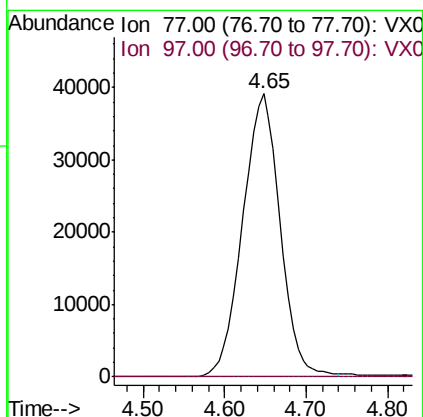
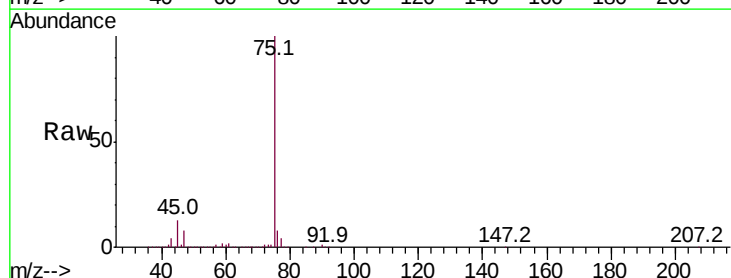
Instrument :
MSVOA_X
ClientSampleId :
201021073-02-VOA

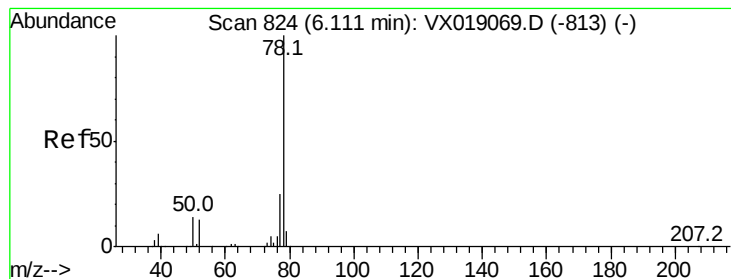
Tot Ion: 43 Resp: 165954
Ion Ratio Lower Upper
43 100
57 11.3 7.8 11.6
72 27.3 28.1 42.1#



#31
2,2-Dichloropropane
Concen: 35.425 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.10 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion: 77 Resp: 125004
Ion Ratio Lower Upper
77 100
97 0.0 19.2 28.8#





#34

Benzene

Concen: 4.602 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

201021073-02-VOA

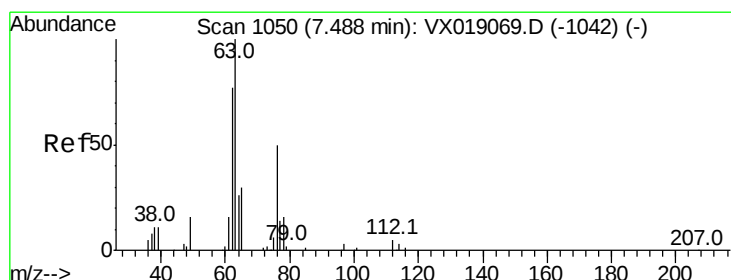
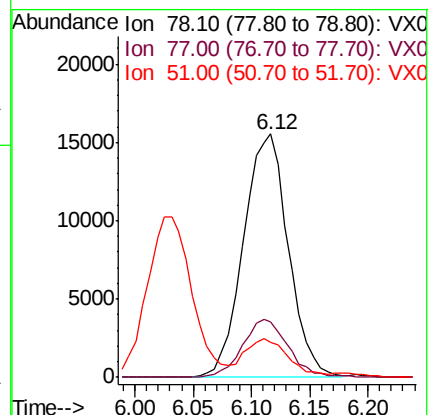
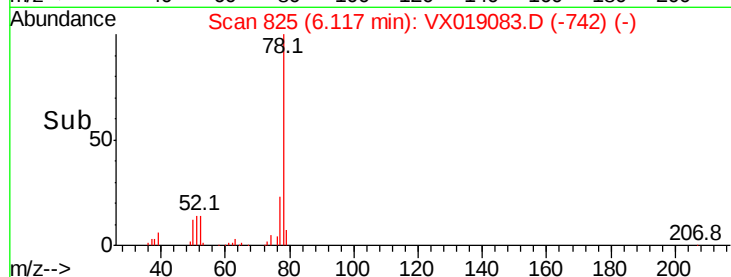
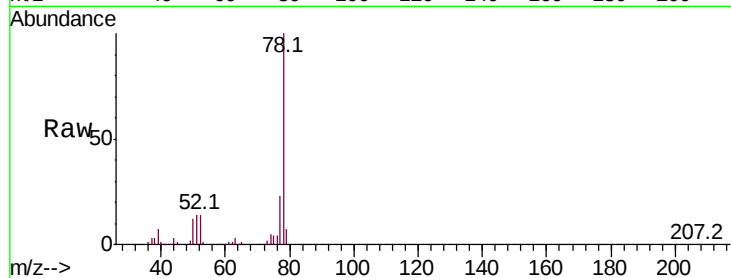
Tot Ion: 78 Resp: 41759

Ion Ratio Lower Upper

78 100

77 22.7 20.1 30.1

51 12.7 11.0 16.4



#39

1,2-Dichloropropane

Concen: 0.238 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019083.D

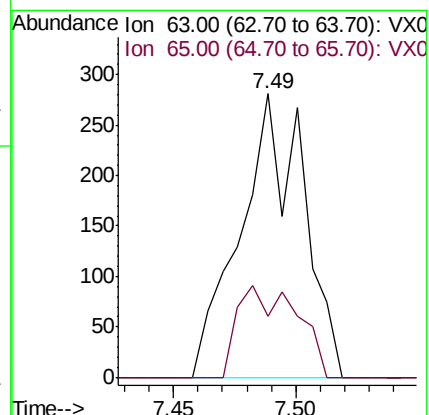
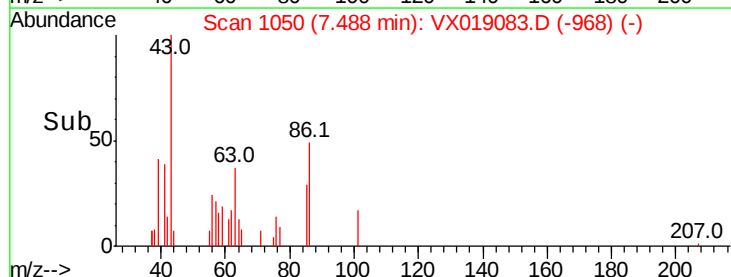
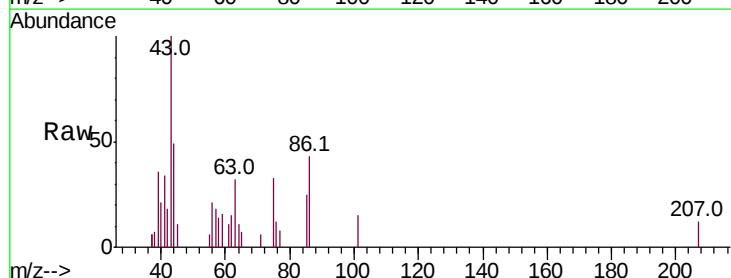
Acq: 23 Oct 2020 18:01

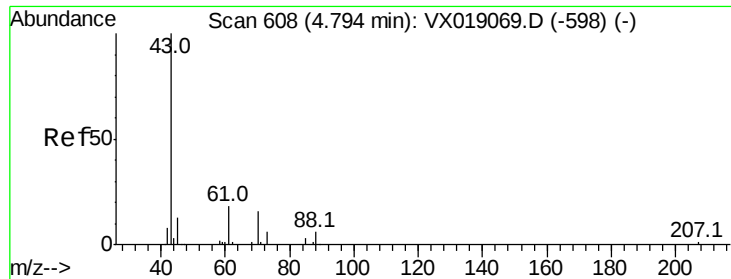
Tgt Ion: 63 Resp: 501

Ion Ratio Lower Upper

63 100

65 21.4 25.8 38.8#

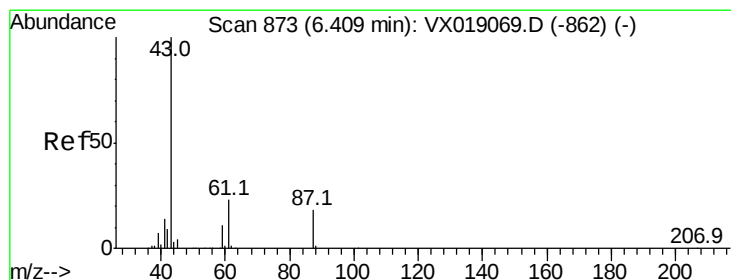
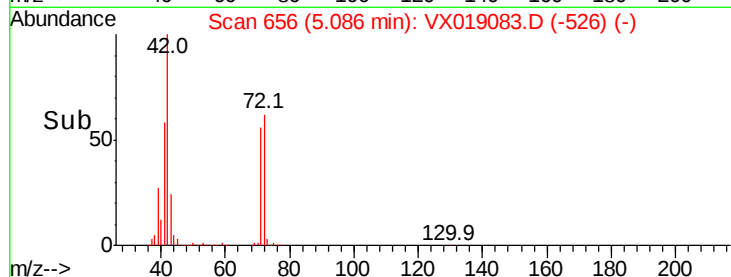
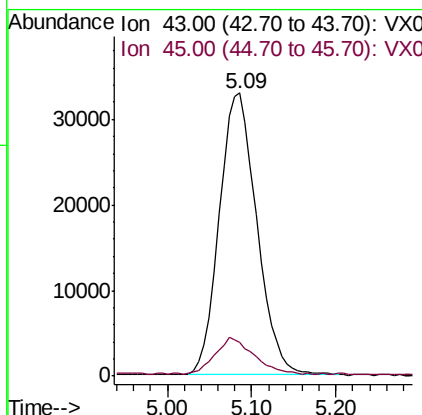
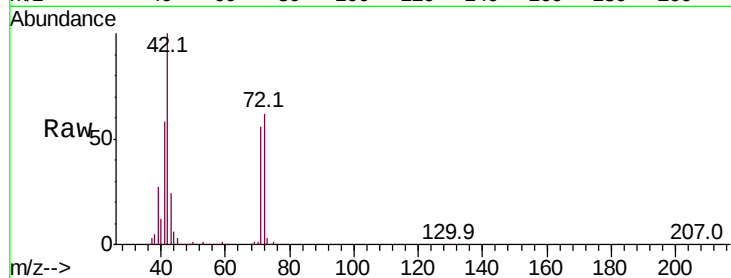




#43
Ethyl Acetate
Concen: 38.936 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.29 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

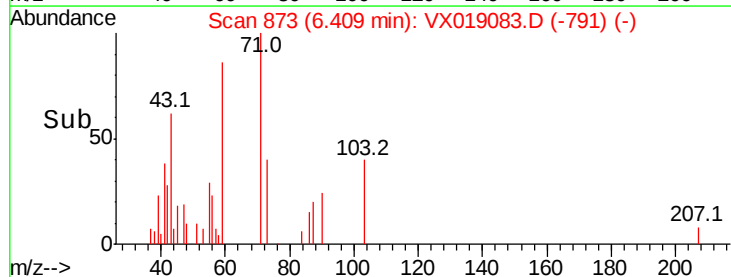
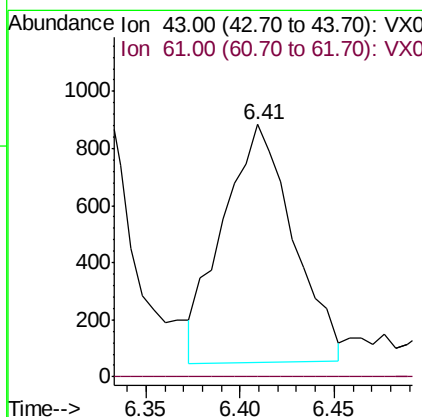
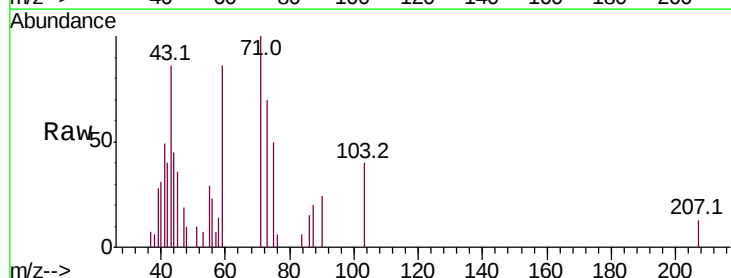
Instrument :
MSVOA_X
ClientSampleId :
201021073-02-VOA

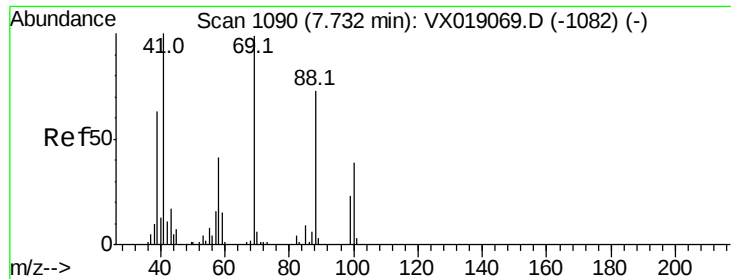
Tot Ion: 43 Resp: 100357
Ion Ratio Lower Upper
43 100
45 13.1 12.7 19.1



#44
Isopropyl Acetate
Concen: 0.499 ug/l
RT: 6.41 min Scan# 873
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion: 43 Resp: 2154
Ion Ratio Lower Upper
43 100
61 0.0 19.1 28.7#





#45

1,4-Dioxane

Concen: 122.844 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

201021073-02-VOA

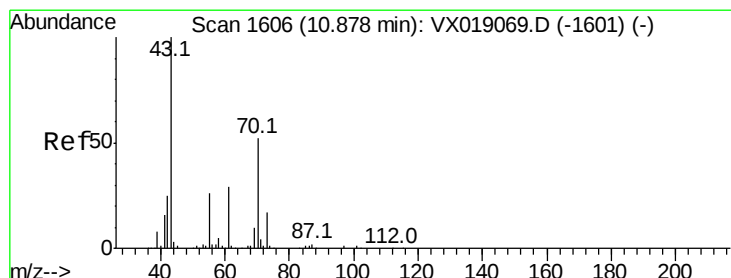
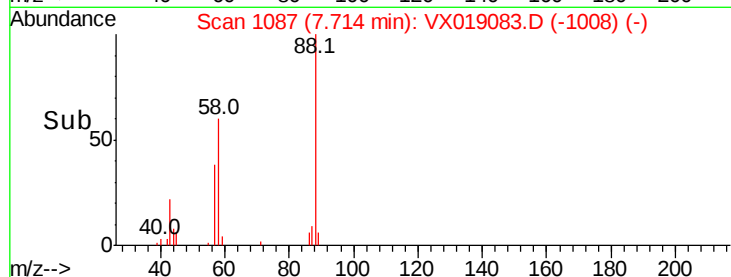
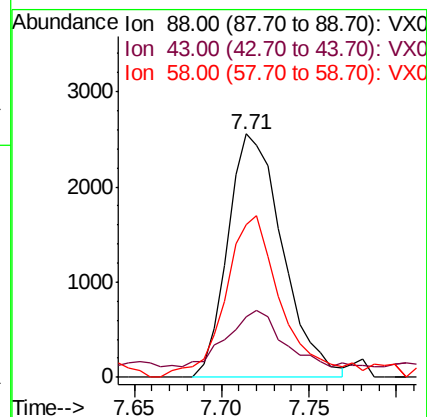
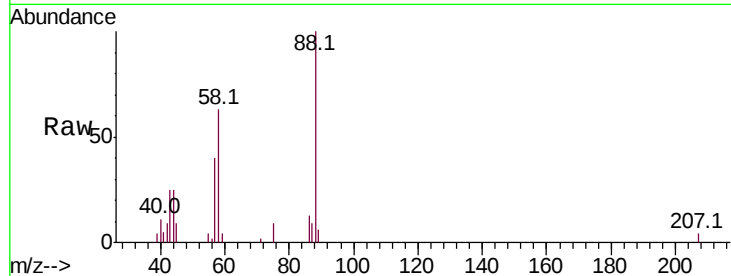
Tot Ion: 88 Resp: 5573

Ion Ratio Lower Upper

88 100

43 23.6 20.5 30.7

58 66.4 47.4 71.2



#47

n-amyl Acetate

Concen: 1.088 ug/l

RT: 11.17 min Scan# 1654

Delta R.T. 0.29 min

Lab File: VX019083.D

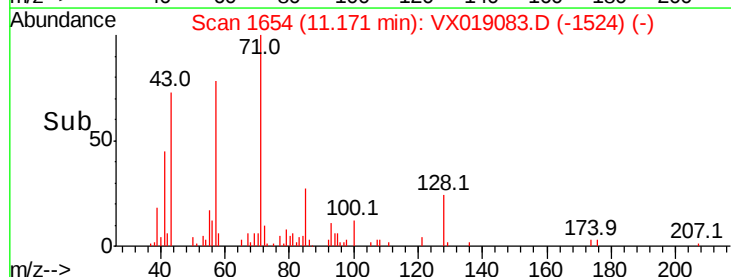
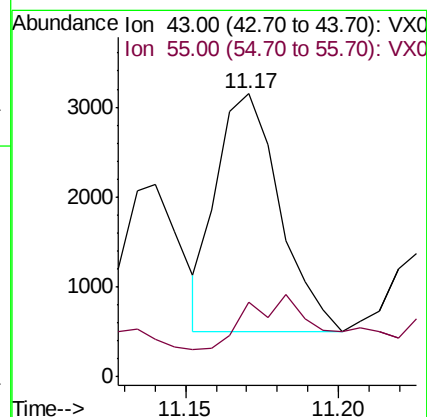
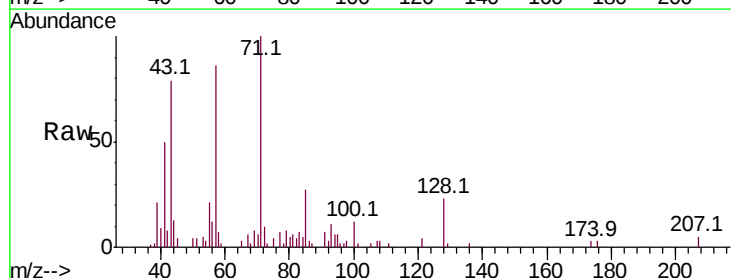
Acq: 23 Oct 2020 18:01

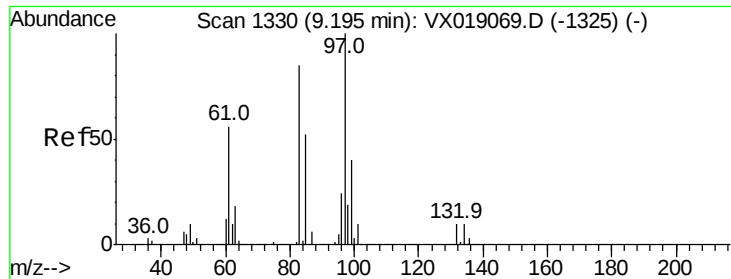
Tgt Ion: 43 Resp: 3765

Ion Ratio Lower Upper

43 100

55 23.7 21.5 32.3

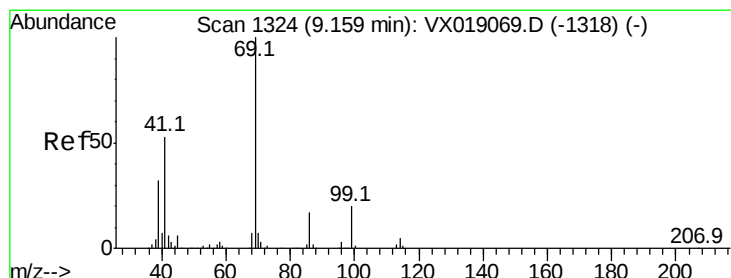
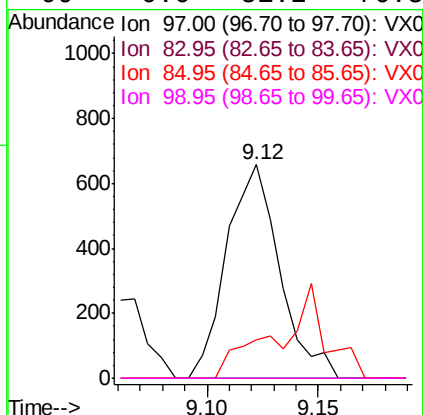
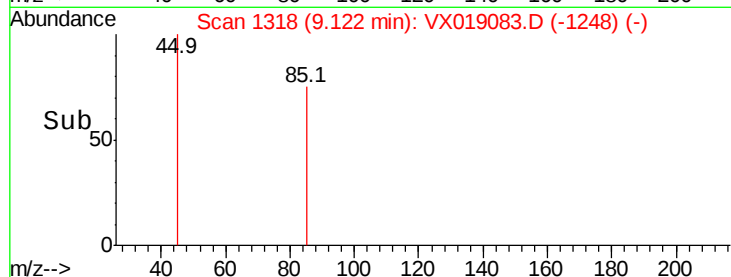
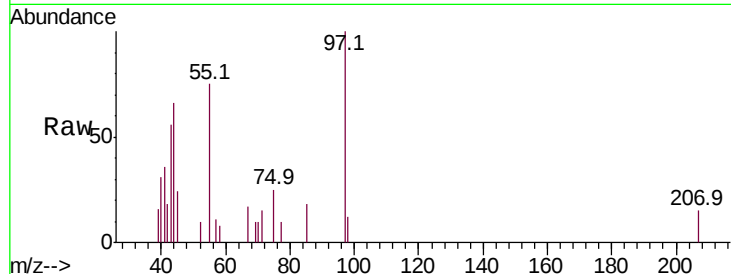




#50
 1,1,2-Trichloroethane
 Concen: 0.461 ug/l
 RT: 9.12 min Scan# 1318
 Delta R.T. -0.07 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

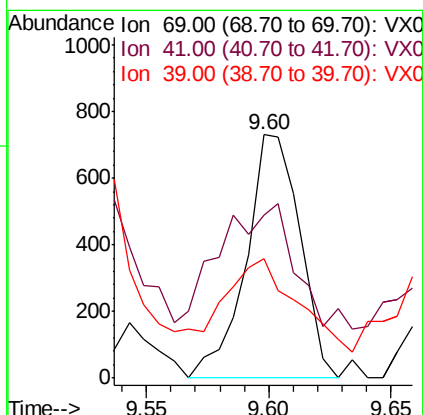
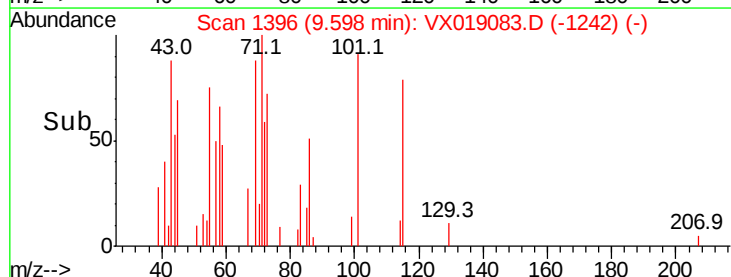
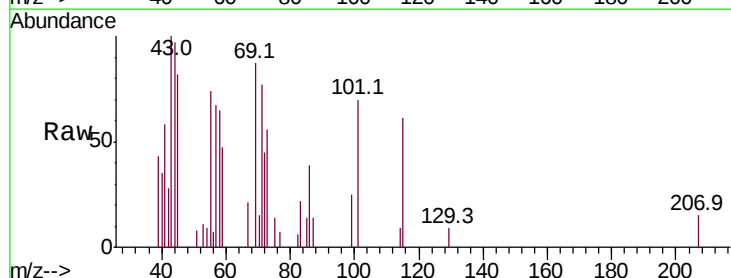
Instrument :
 MSVOA_X
 ClientSampleId :
 201021073-02-VOA

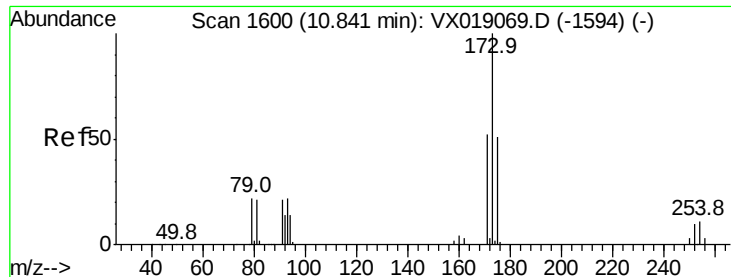
Tot Ion:	97	Resp:	1092
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.8	101.6#
85	18.2	43.5	65.3#
99	0.0	51.2	76.8#



#51
 Ethyl methacrylate
 Concen: 0.324 ug/l
 RT: 9.60 min Scan# 1396
 Delta R.T. 0.44 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

Tgt Ion:	69	Resp:	1119
Ion	Ratio	Lower	Upper
69	100		
41	39.3	26.5	79.4
39	33.2	16.2	48.6





#56

Bromoform

Concen: 0.386 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.28 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

201021073-02-VOA

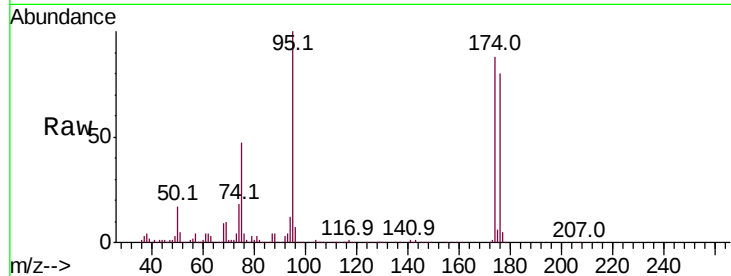
Tot Ion:173 Resp: 712

Ion Ratio Lower Upper

173 100

175 751.1 39.6 59.4#

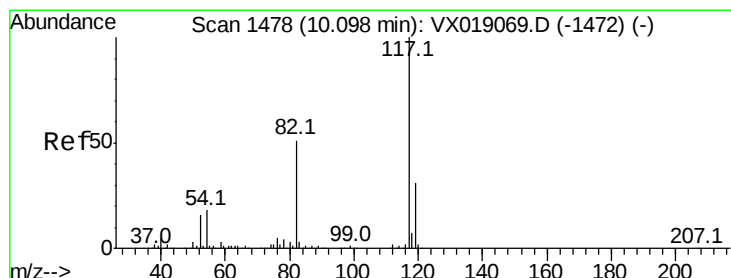
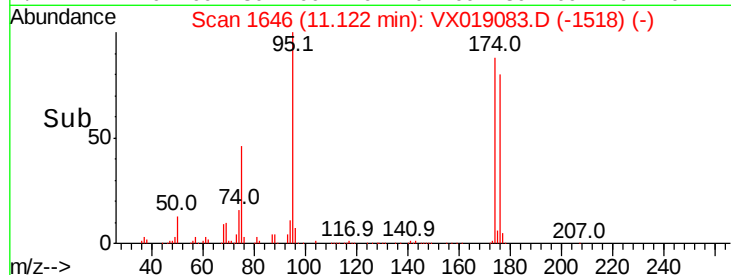
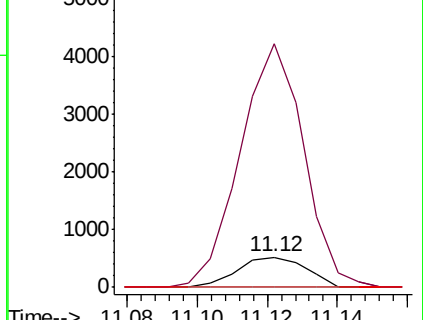
254 0.0 8.6 13.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

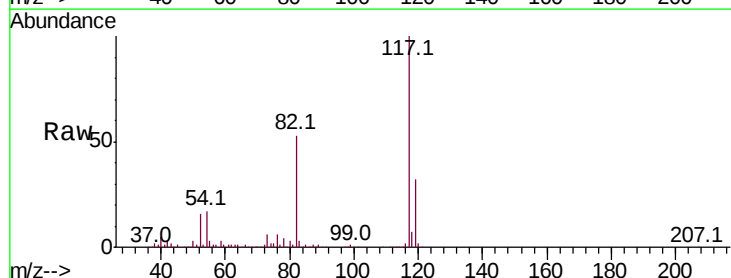
Tgt Ion:117 Resp: 197066

Ion Ratio Lower Upper

117 100

82 54.3 42.5 63.7

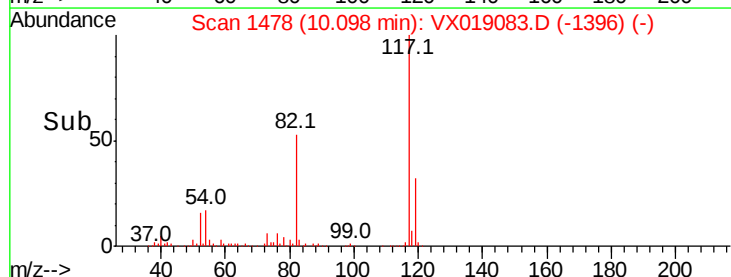
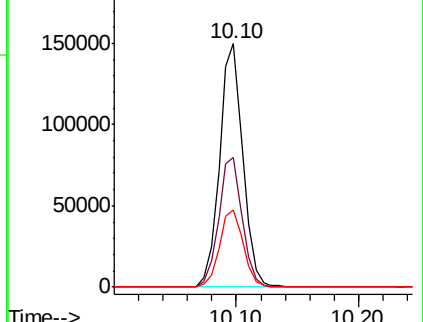
119 32.5 25.6 38.4

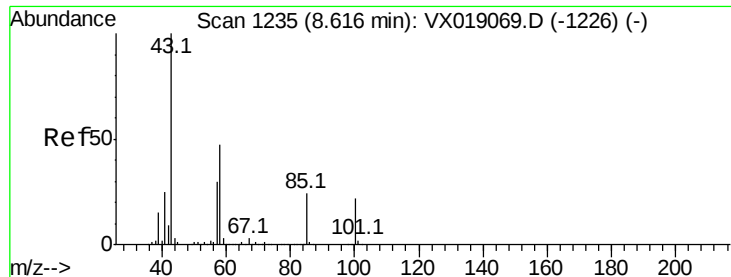


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

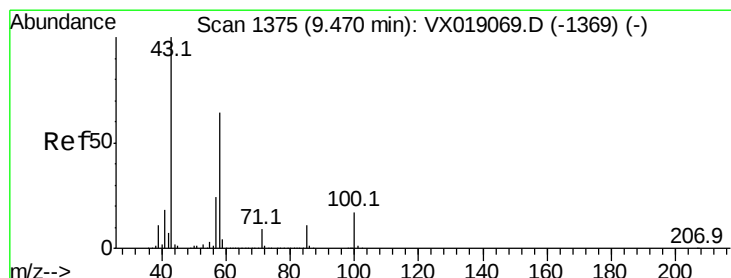
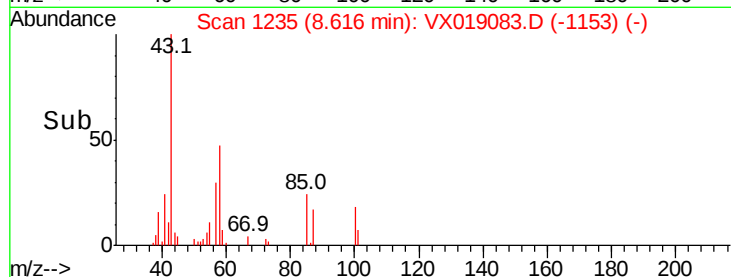
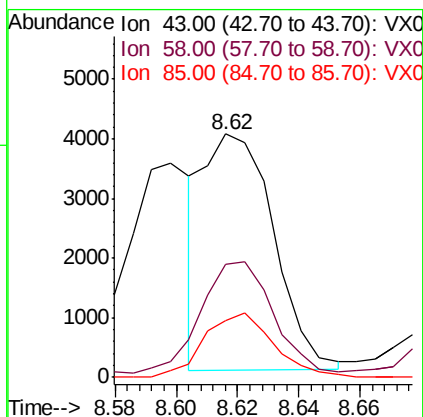
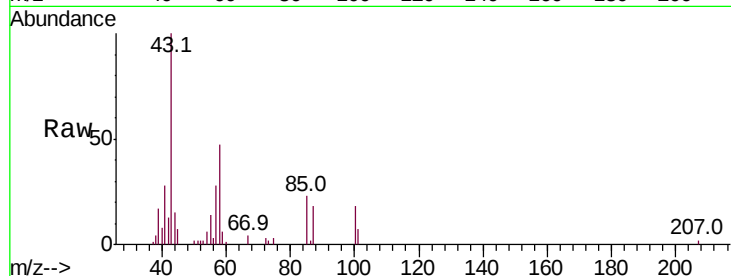




#58
 4-Methyl-2-Pentanone
 Concen: 2.507 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

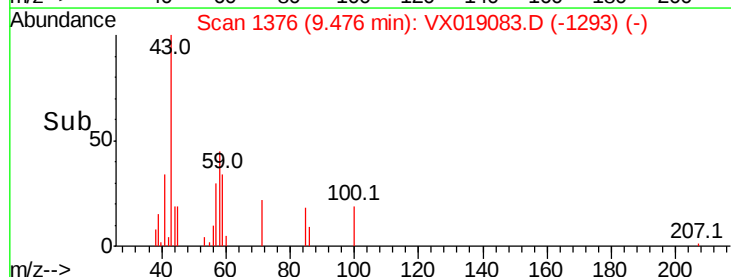
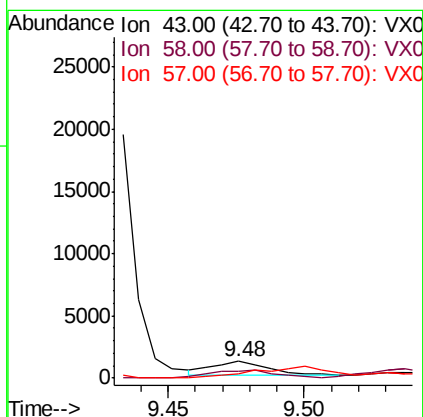
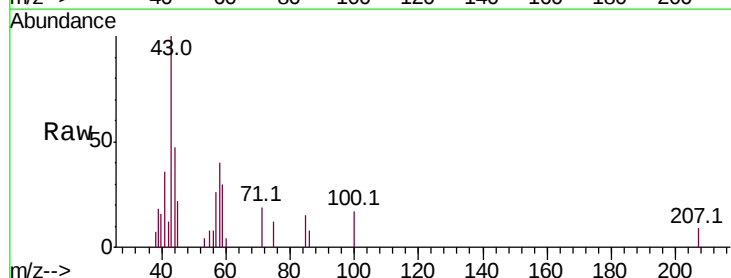
Instrument :
 MSVOA_X
 ClientSampleId :
 201021073-02-VOA

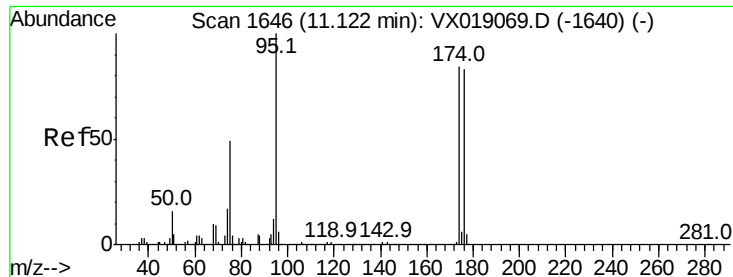
Tot Ion: 43 Resp: 6231
 Ion Ratio Lower Upper
 43 100
 58 53.2 37.6 56.4
 85 27.1 19.4 29.2



#59
 2-Hexanone
 Concen: 0.832 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

Tgt Ion: 43 Resp: 1540
 Ion Ratio Lower Upper
 43 100
 58 71.8 51.9 77.9
 57 117.7 18.2 27.4#

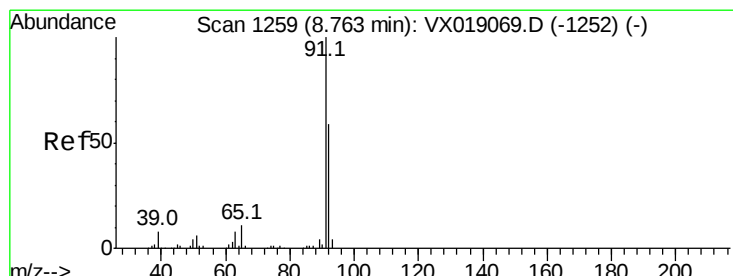
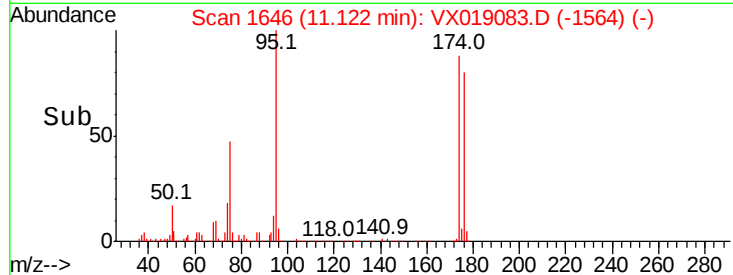
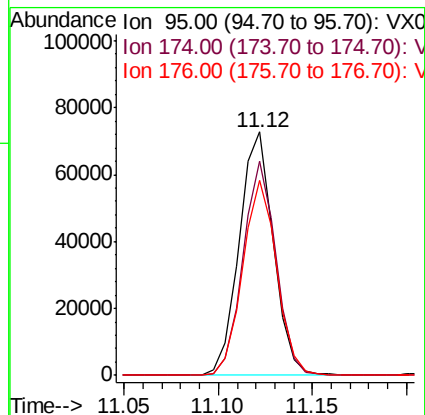
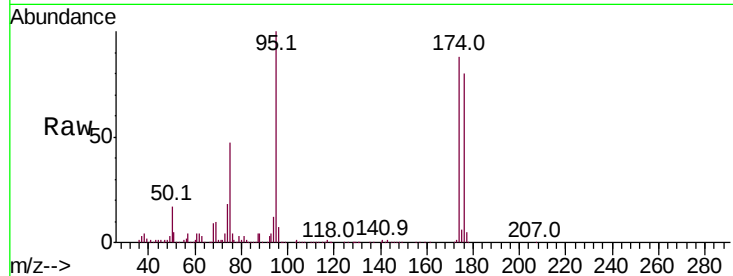




#60
4-Bromofluorobenzene
Concen: 31.012 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

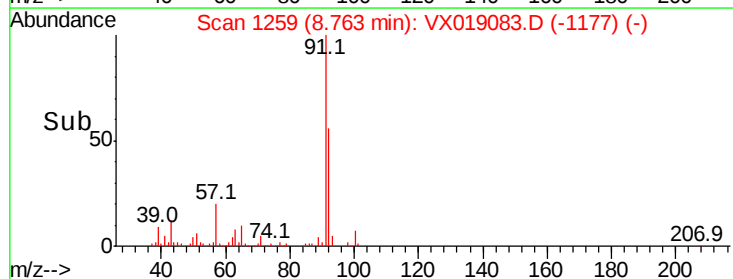
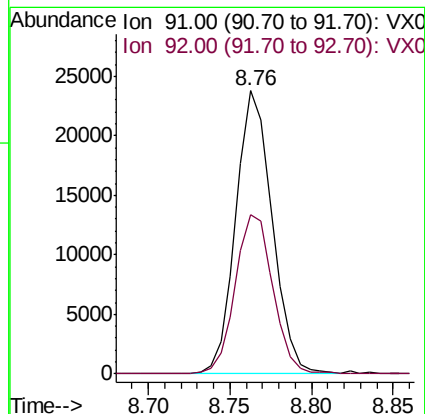
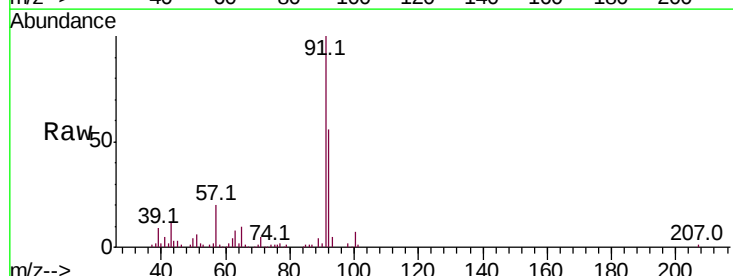
Instrument :
MSVOA_X
ClientSampleId :
201021073-02-VOA

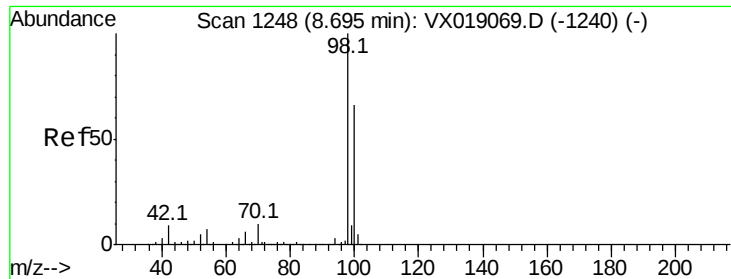
Tot Ion	95	Resp	91727
Ion Ratio	Lower	Upper	
95	100		
174	84.6	66.3	99.5
176	79.6	65.5	98.3



#62
Toluene
Concen: 3.581 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion	91	Resp	37088
Ion Ratio	Lower	Upper	
91	100		
92	58.1	47.3	70.9

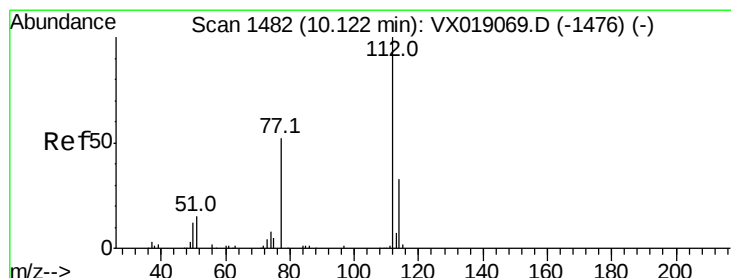
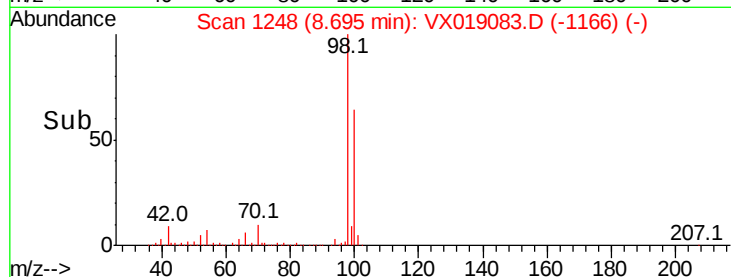
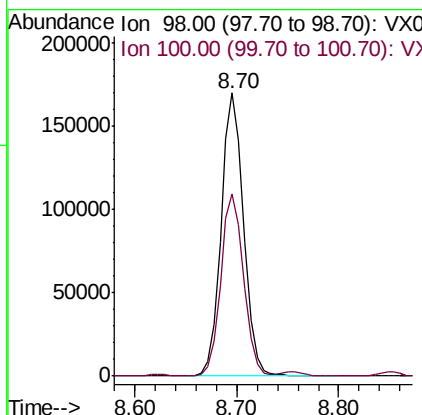
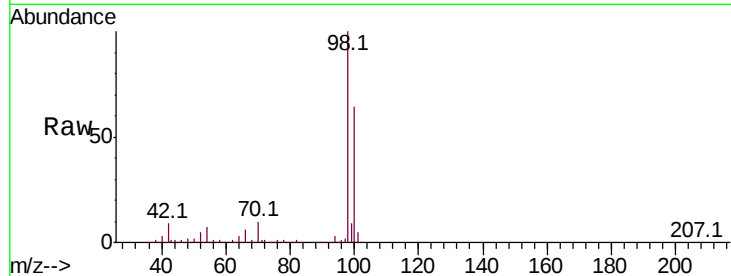




#63
Toluene-d8
Concen: 29.909 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

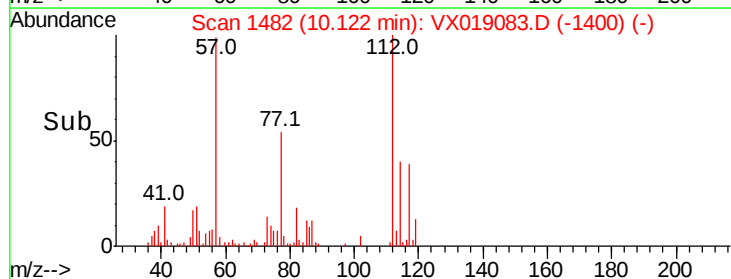
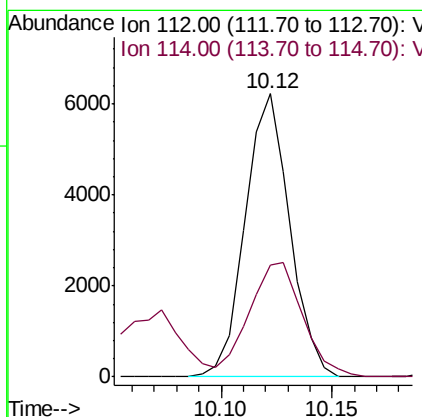
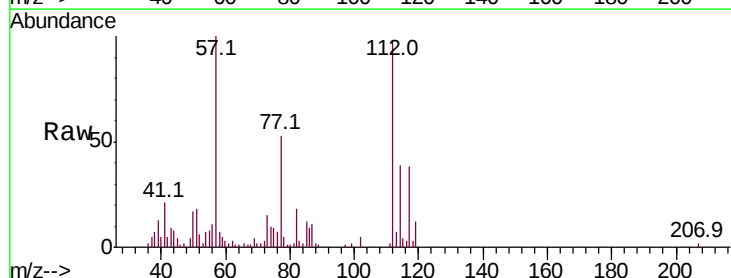
Instrument :
MSVOA_X
ClientSampleId :
201021073-02-VOA

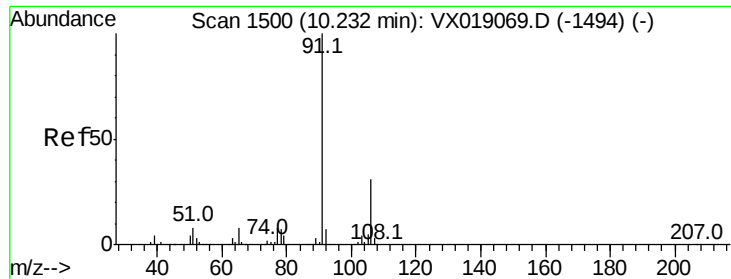
Tot Ion: 98 Resp: 260230
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#64
Chlorobenzene
Concen: 1.347 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion: 112 Resp: 8675
Ion Ratio Lower Upper
112 100
114 36.9 26.2 39.2

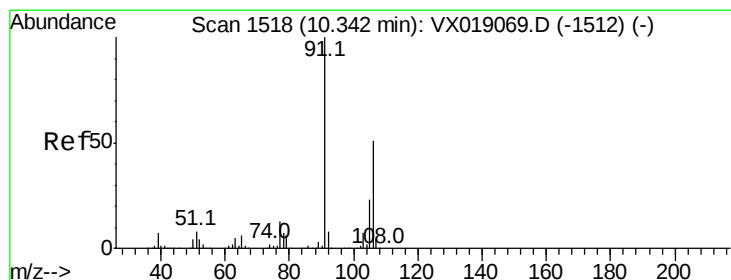
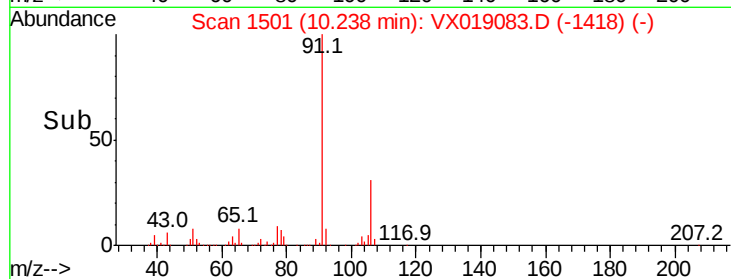
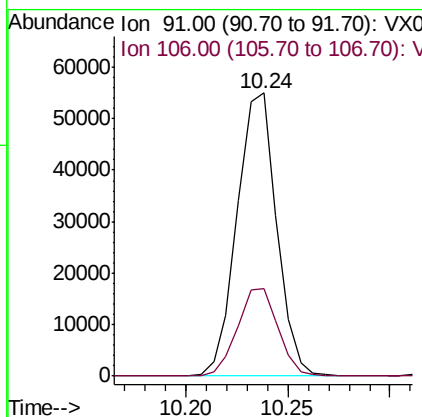
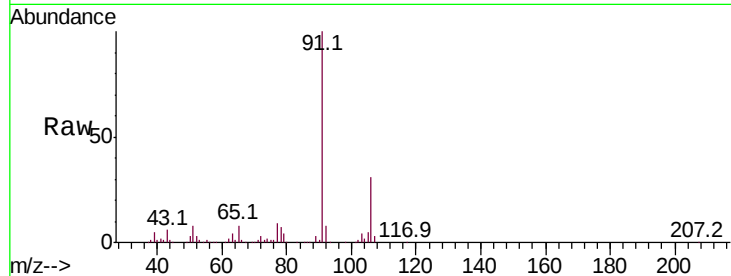




#66
Ethyl Benzene
Concen: 6.541 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

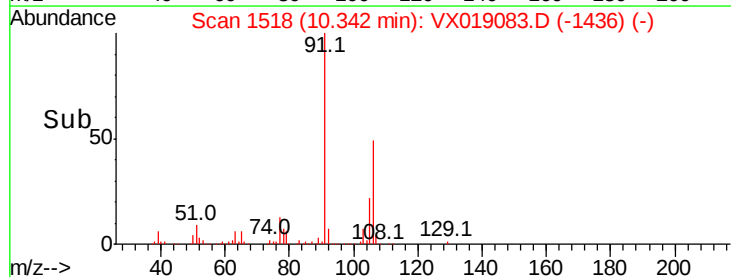
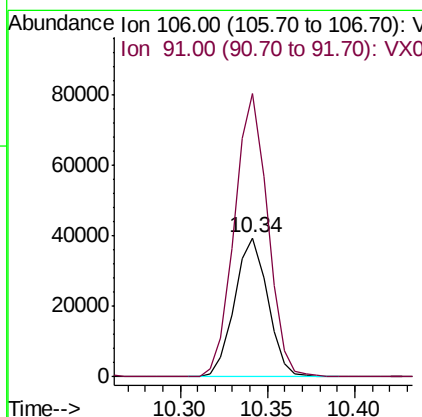
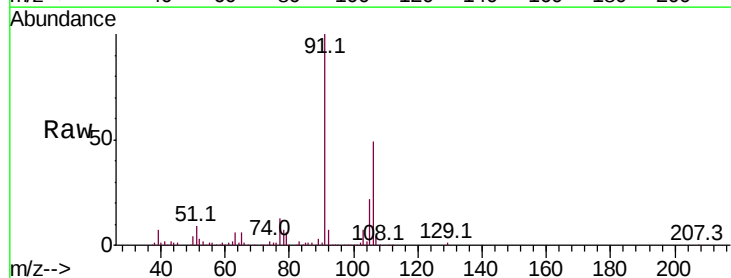
Instrument :
MSVOA_X
ClientSampleId :
201021073-02-VOA

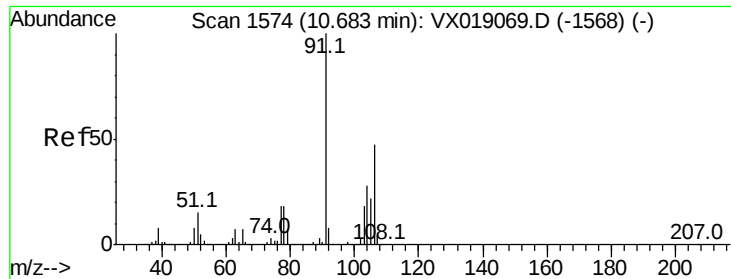
Tot Ion: 91 Resp: 74272
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1



#67
m/p-Xylenes
Concen: 12.146 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion: 106 Resp: 52599
Ion Ratio Lower Upper
106 100
91 202.8 157.5 236.3





#68

o-Xylene

Concen: 7.632 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

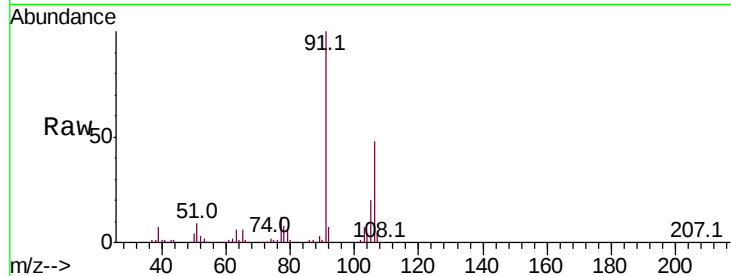
201021073-02-VOA

Tot Ion:106 Resp: 31523

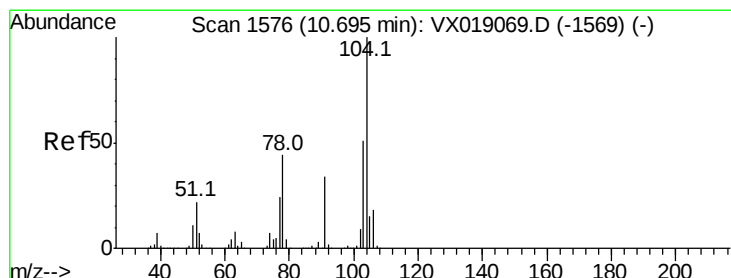
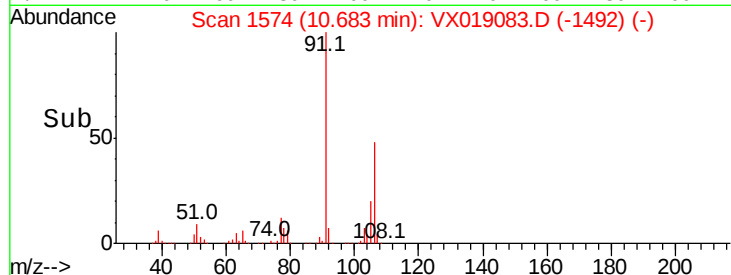
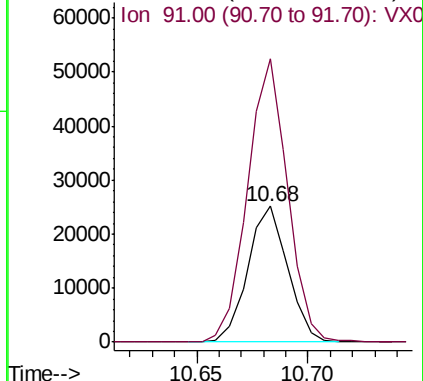
Ion Ratio Lower Upper

106 100

91 208.6 103.8 311.4



Abundance Ion 106.00 (105.70 to 106.70): V



#69

Styrene

Concen: 0.669 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

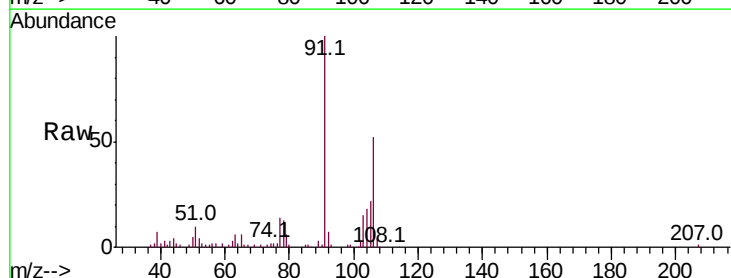
Tgt Ion:104 Resp: 4655

Ion Ratio Lower Upper

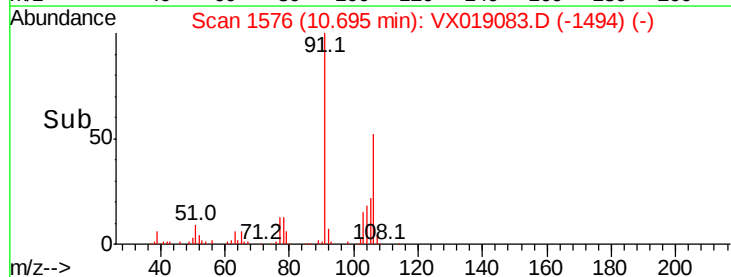
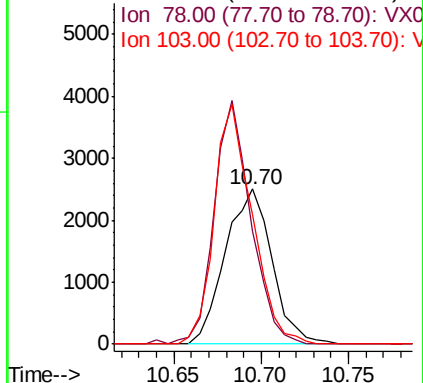
104 100

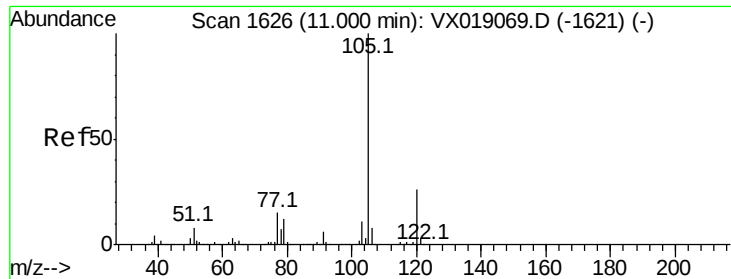
78 122.6 38.6 58.0#

103 125.0 43.4 65.2#



Abundance Ion 104.00 (103.70 to 104.70): V





#70

Isopropylbenzene

Concen: 0.893 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

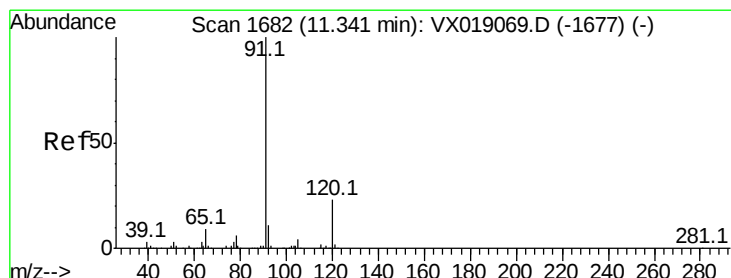
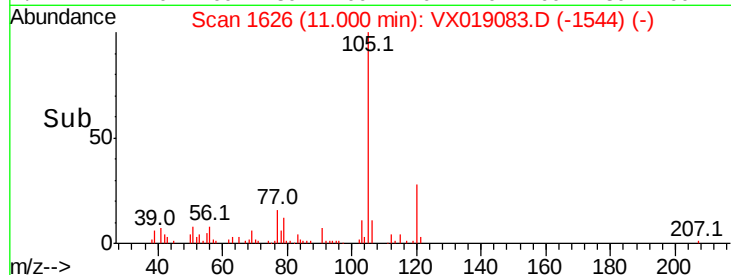
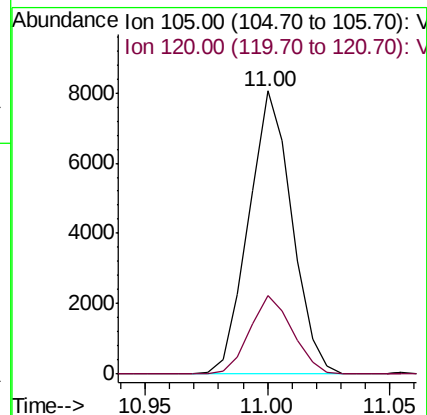
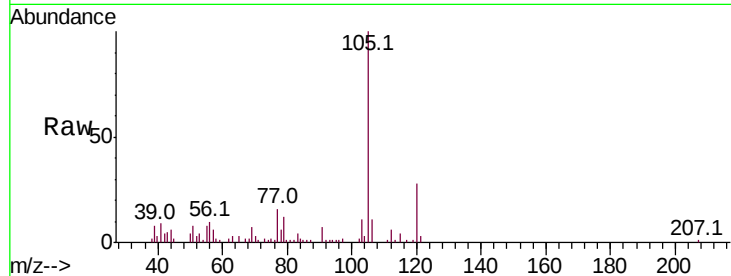
201021073-02-VOA

Tot Ion:105 Resp: 9917

Ion Ratio Lower Upper

105 100

120 27.5 19.0 35.4



#74

n-propylbenzene

Concen: 0.251 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019083.D

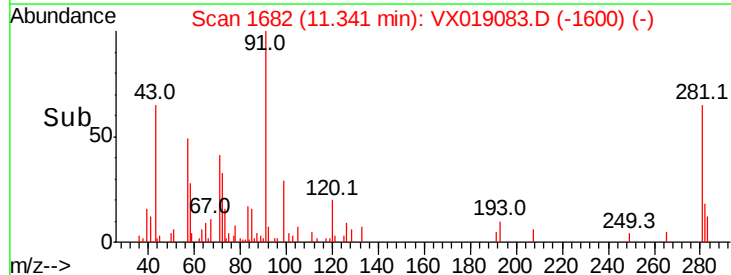
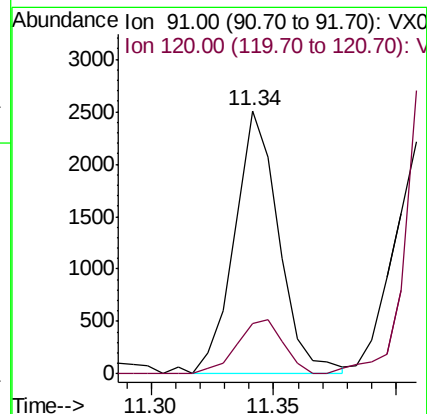
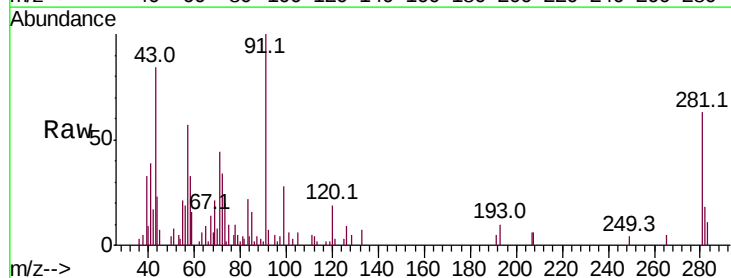
Acq: 23 Oct 2020 18:01

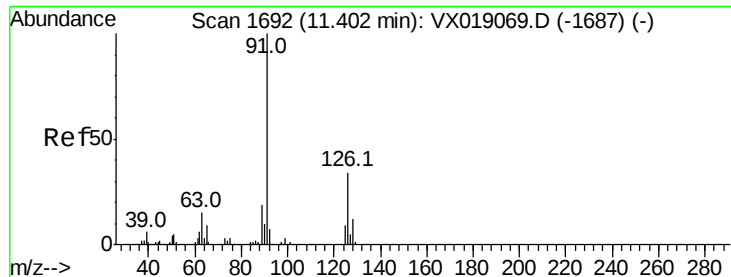
Tgt Ion: 91 Resp: 3158

Ion Ratio Lower Upper

91 100

120 21.3 0.0 46.6

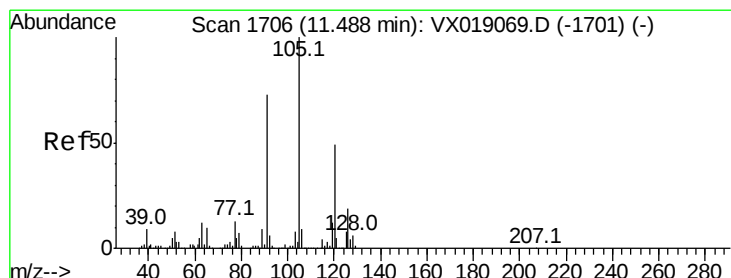
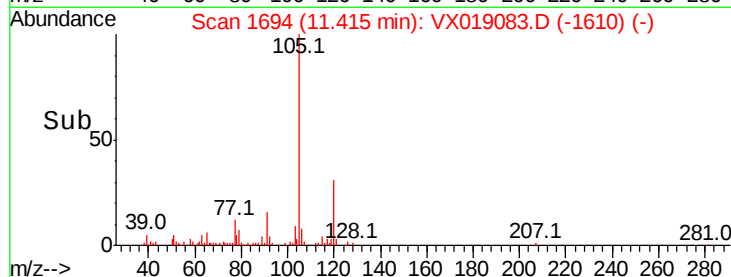
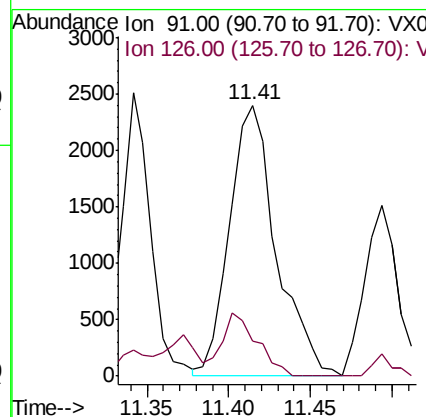
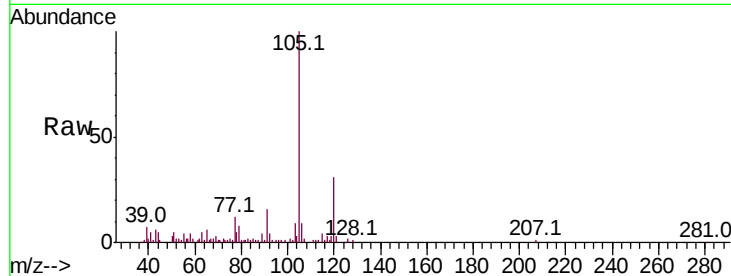




#75
 2-Chlorotoluene
 Concen: 0.675 ug/l
 RT: 11.41 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

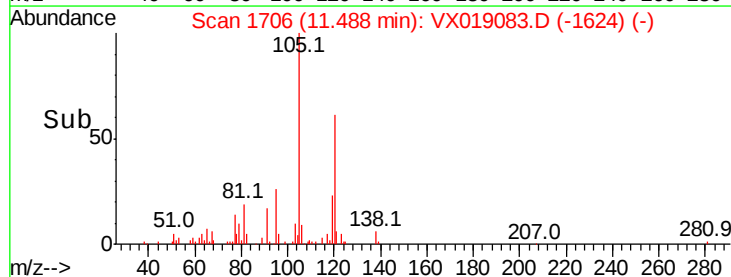
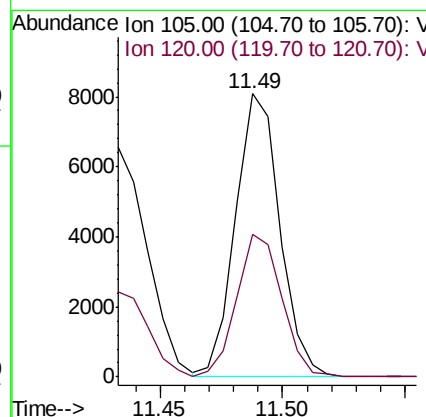
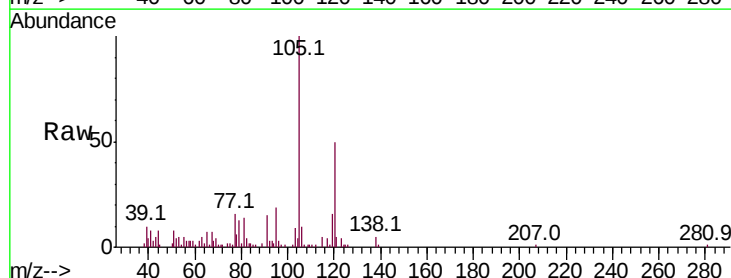
Instrument :
 MSVOA_X
 ClientSampleId :
 201021073-02-VOA

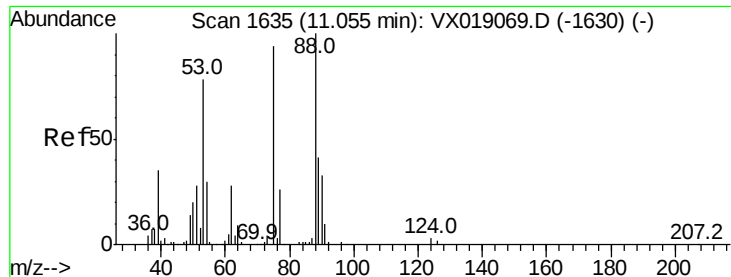
Tot Ion: 91 Resp: 4803
 Ion Ratio Lower Upper
 91 100
 126 17.8 0.0 69.0



#76
 1,3,5-Trimethylbenzene
 Concen: 1.132 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

Tgt Ion: 105 Resp: 10201
 Ion Ratio Lower Upper
 105 100
 120 51.0 0.0 100.2





#77

t-1,4-Dichloro-2-butene

Concen: 0.636 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

201021073-02-VOA

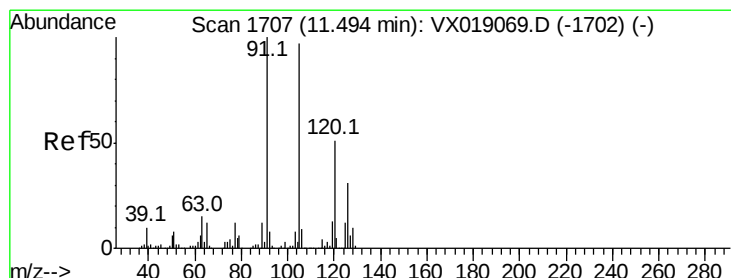
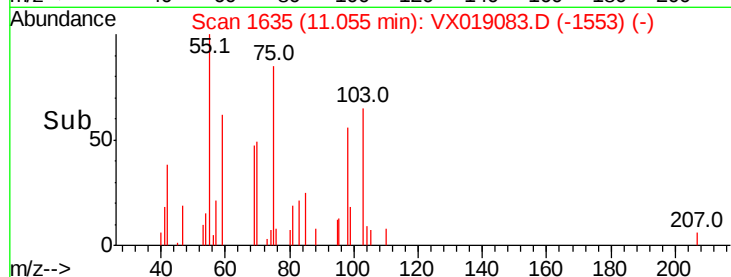
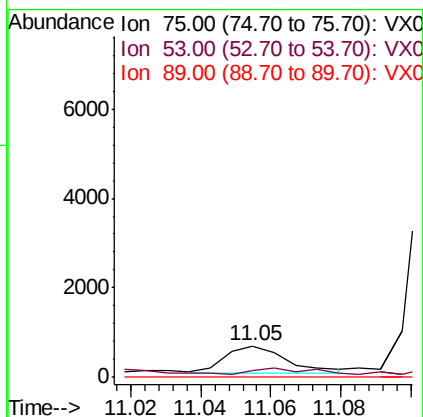
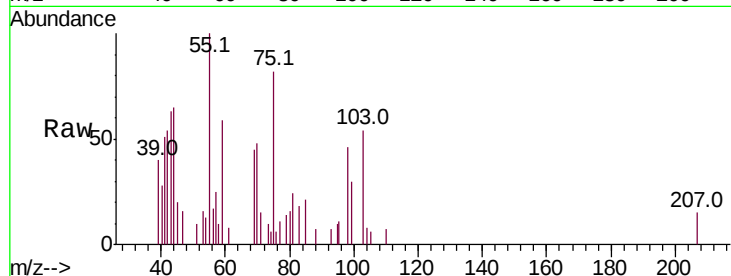
Tot Ion: 75 Resp: 728

Ion Ratio Lower Upper

75 100

53 9.7 41.6 124.8#

89 0.0 21.8 65.3#



#78

4-Chlorotoluene

Concen: 0.254 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX019083.D

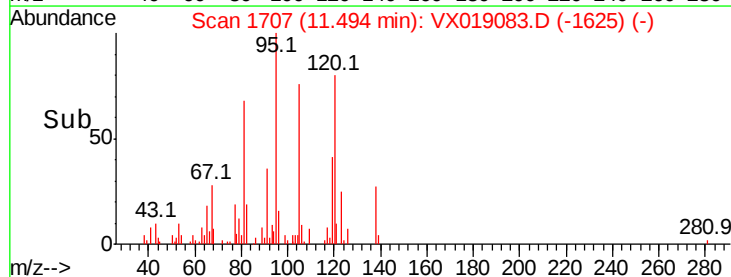
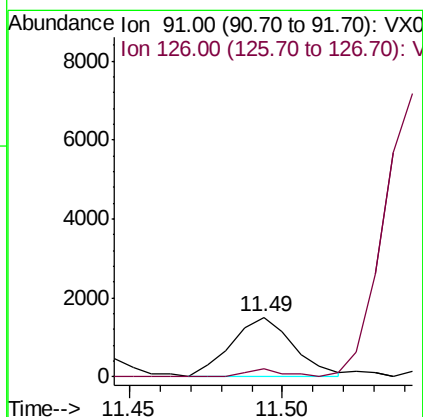
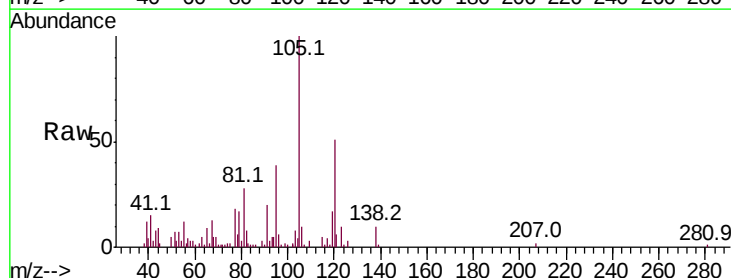
Acq: 23 Oct 2020 18:01

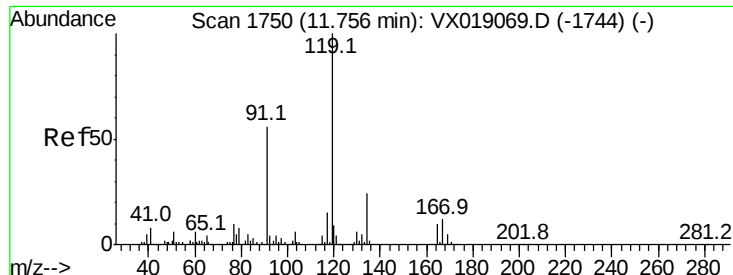
Tgt Ion: 91 Resp: 2121

Ion Ratio Lower Upper

91 100

126 7.5 0.0 61.2

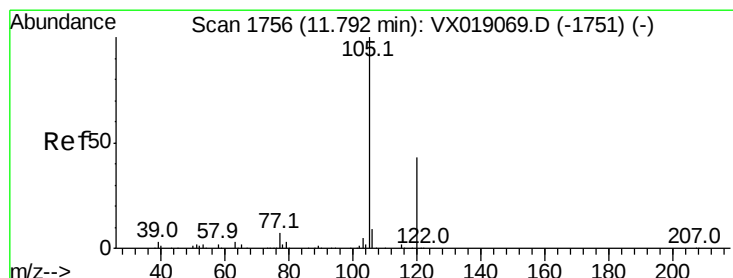
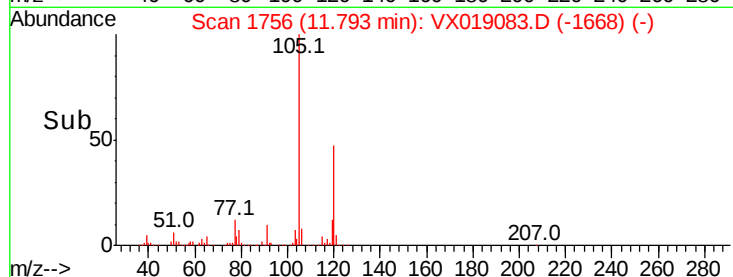
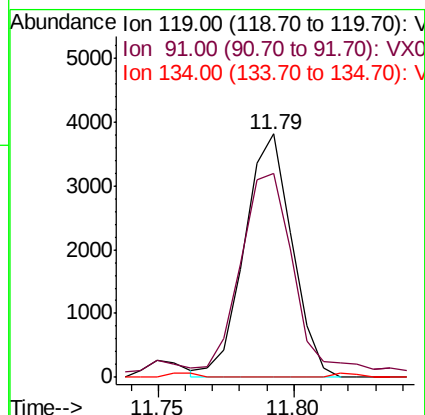
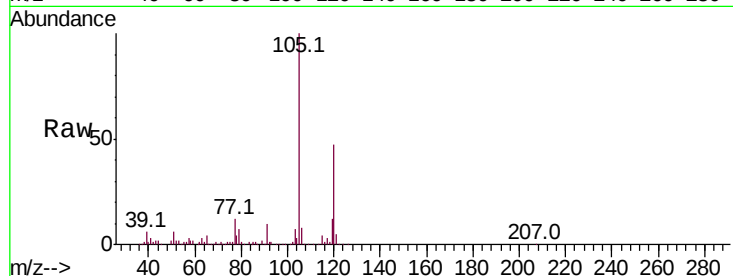




#79
tert-butylbenzene
Concen: 0.522 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.04 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

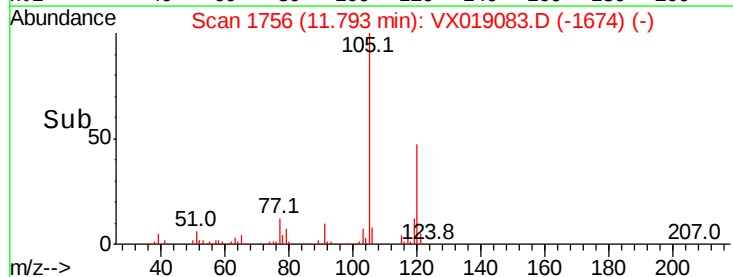
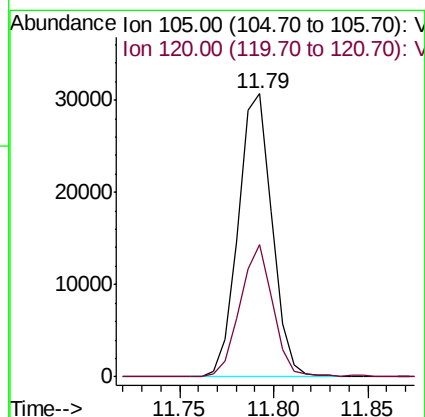
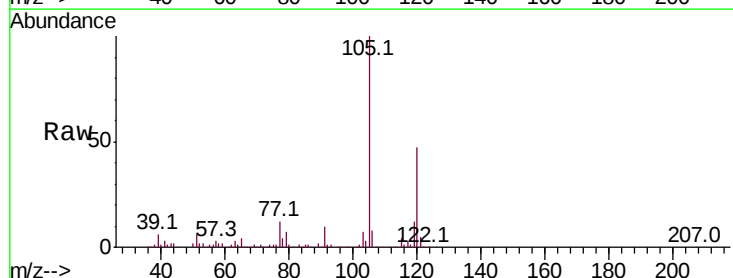
Instrument :
MSVOA_X
ClientSampleId :
201021073-02-VOA

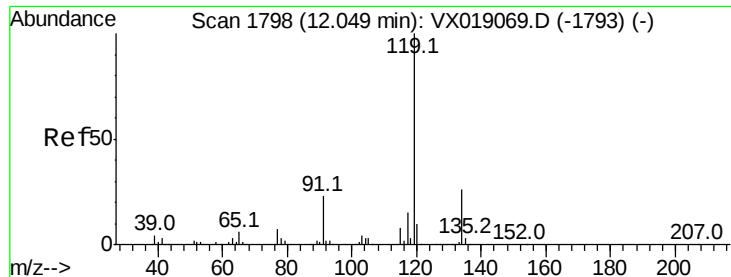
Tot Ion	Ratio	Lower	Upper
119	100		
91	84.7	0.0	111.4
134	0.9	0.0	47.2



#80
1,2,4-Trimethylbenzene
Concen: 4.276 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX019083.D
Acq: 23 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	0.0	92.0

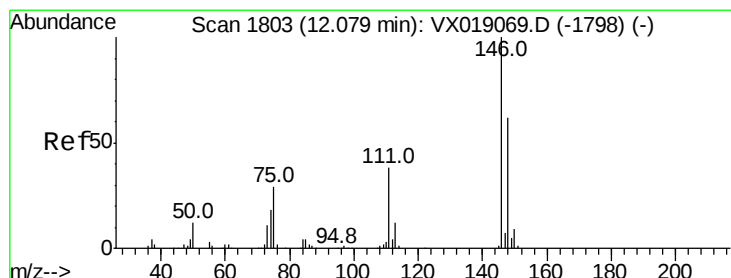
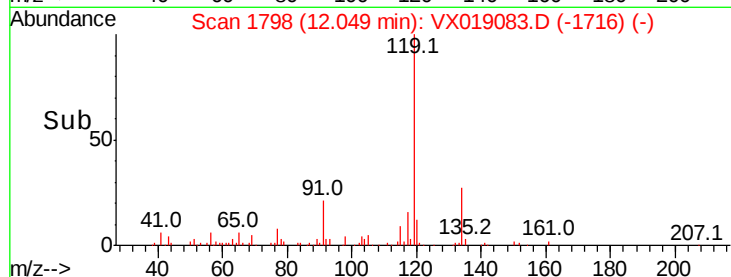
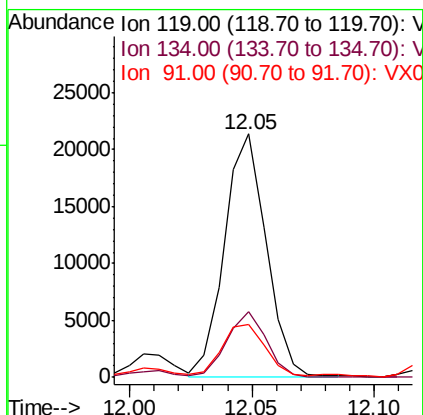
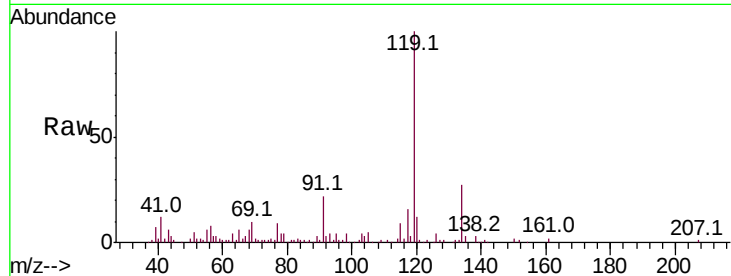




#82
 p-Isopropyltoluene
 Concen: 2.629 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

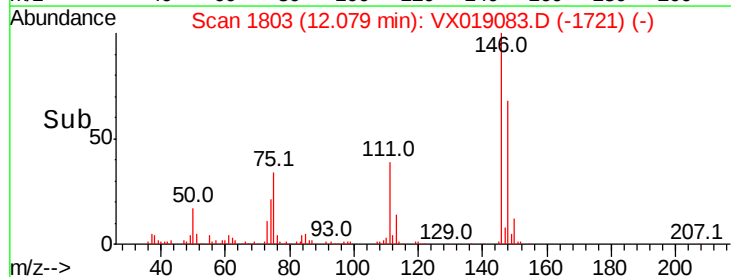
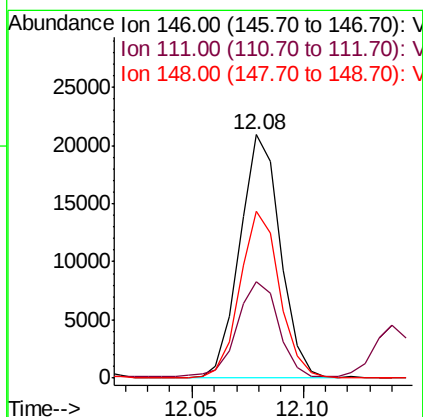
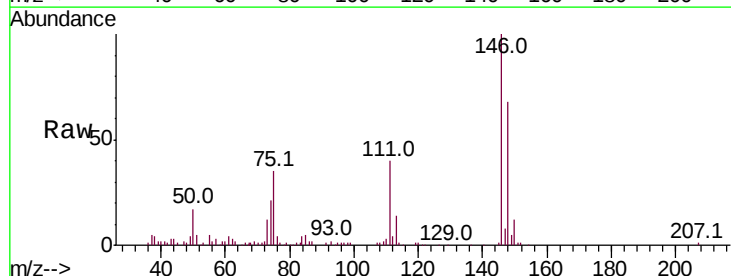
Instrument :
 MSVOA_X
 ClientSampleId :
 201021073-02-VOA

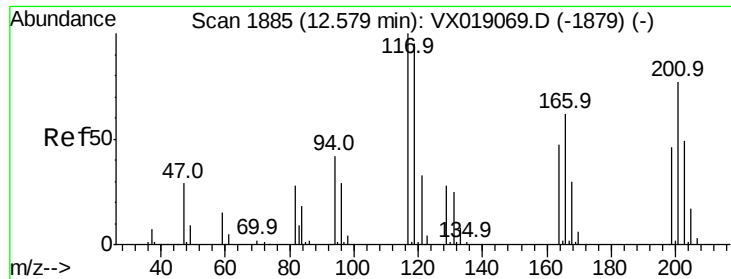
Tot Ion:119 Resp: 25442
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.0
 91 22.4 0.0 45.6



#84
 1,4-Dichlorobenzene
 Concen: 5.418 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019083.D
 Acq: 23 Oct 2020 18:01

Tgt Ion:146 Resp: 26684
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.9 56.7
 148 66.8 31.6 95.0





#86

Hexachloroethane

Concen: 0.235 ug/l

RT: 12.59 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

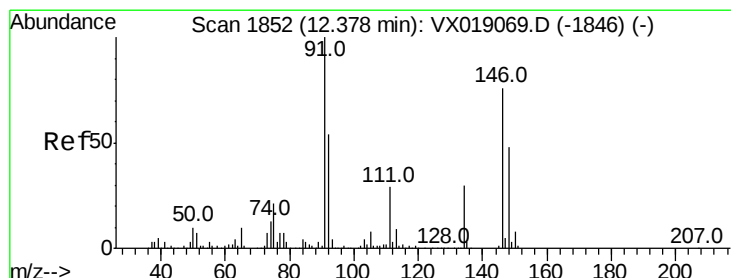
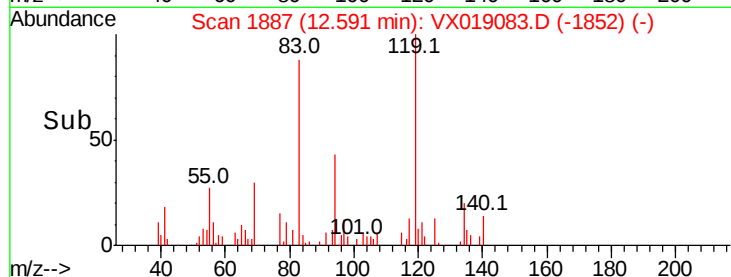
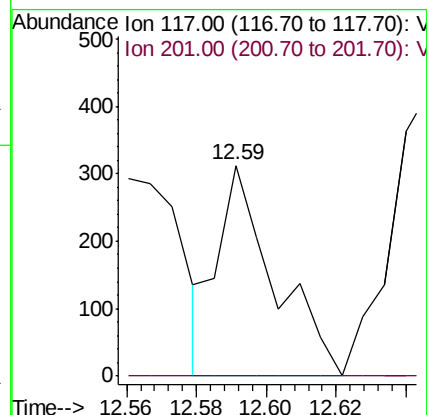
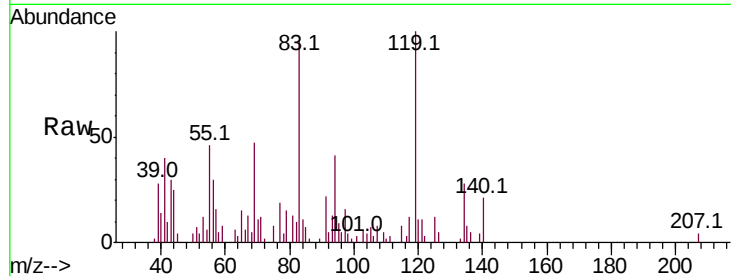
201021073-02-VOA

Tot Ion:117 Resp: 350

Ion Ratio Lower Upper

117 100

201 0.0 38.4 115.1#



#87

1,2-Dichlorobenzene

Concen: 0.478 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

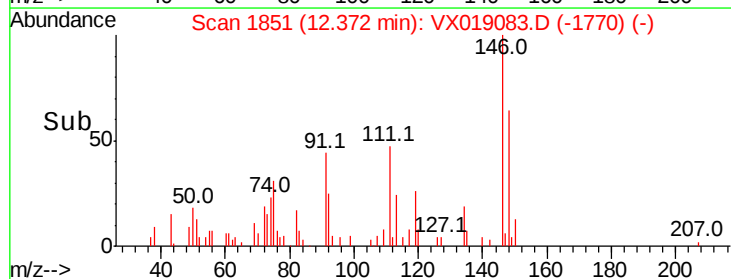
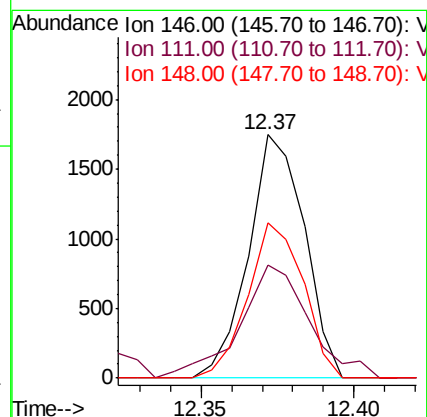
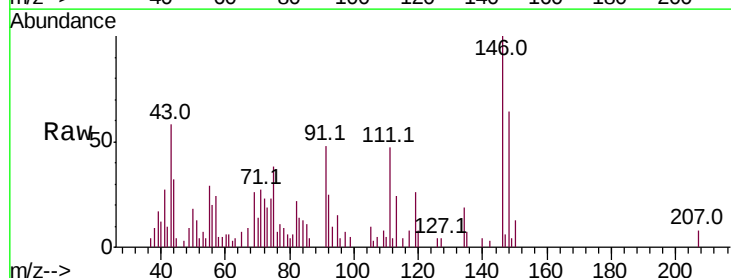
Tgt Ion:146 Resp: 2218

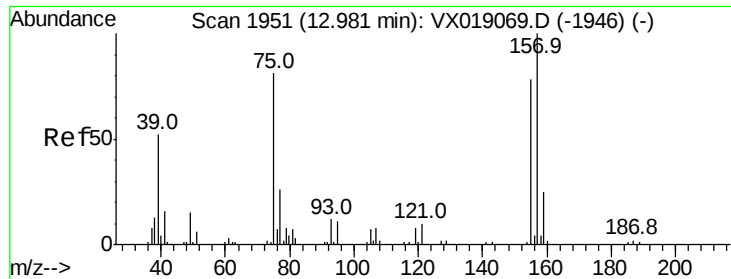
Ion Ratio Lower Upper

146 100

111 57.8 20.3 61.0

148 63.4 32.1 96.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.554 ug/l

RT: 12.99 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

201021073-02-VOA

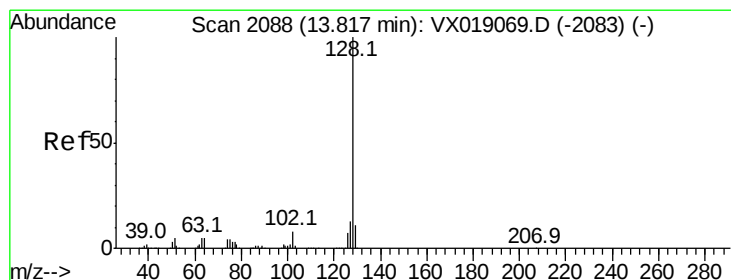
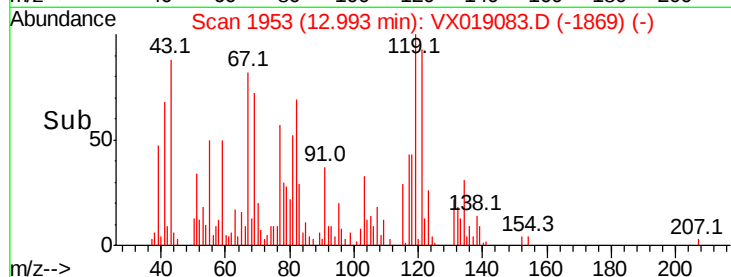
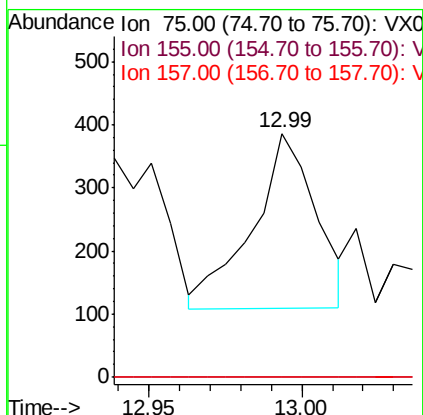
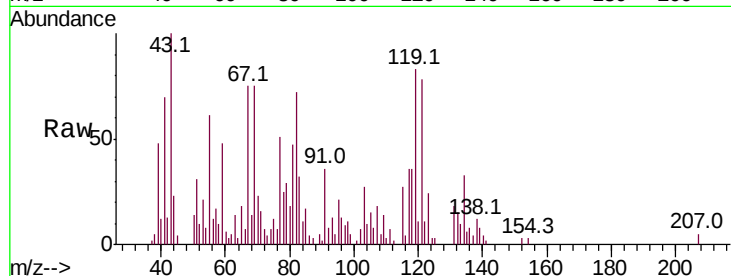
Tot Ion: 75 Resp: 402

Ion Ratio Lower Upper

75 100

155 0.0 73.7 110.5#

157 0.0 96.5 144.7#



#91

Naphthalene

Concen: 15.435 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019083.D

Acq: 23 Oct 2020 18:01

Tgt Ion:128 Resp: 168860

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 11.1 8.9 13.3

