

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031522\
 Data File : VX027457.D
 Acq On : 15 Mar 2022 19:06
 Operator : JC/MD
 Sample : N1950-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31340

Quant Time: Mar 16 04:21:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

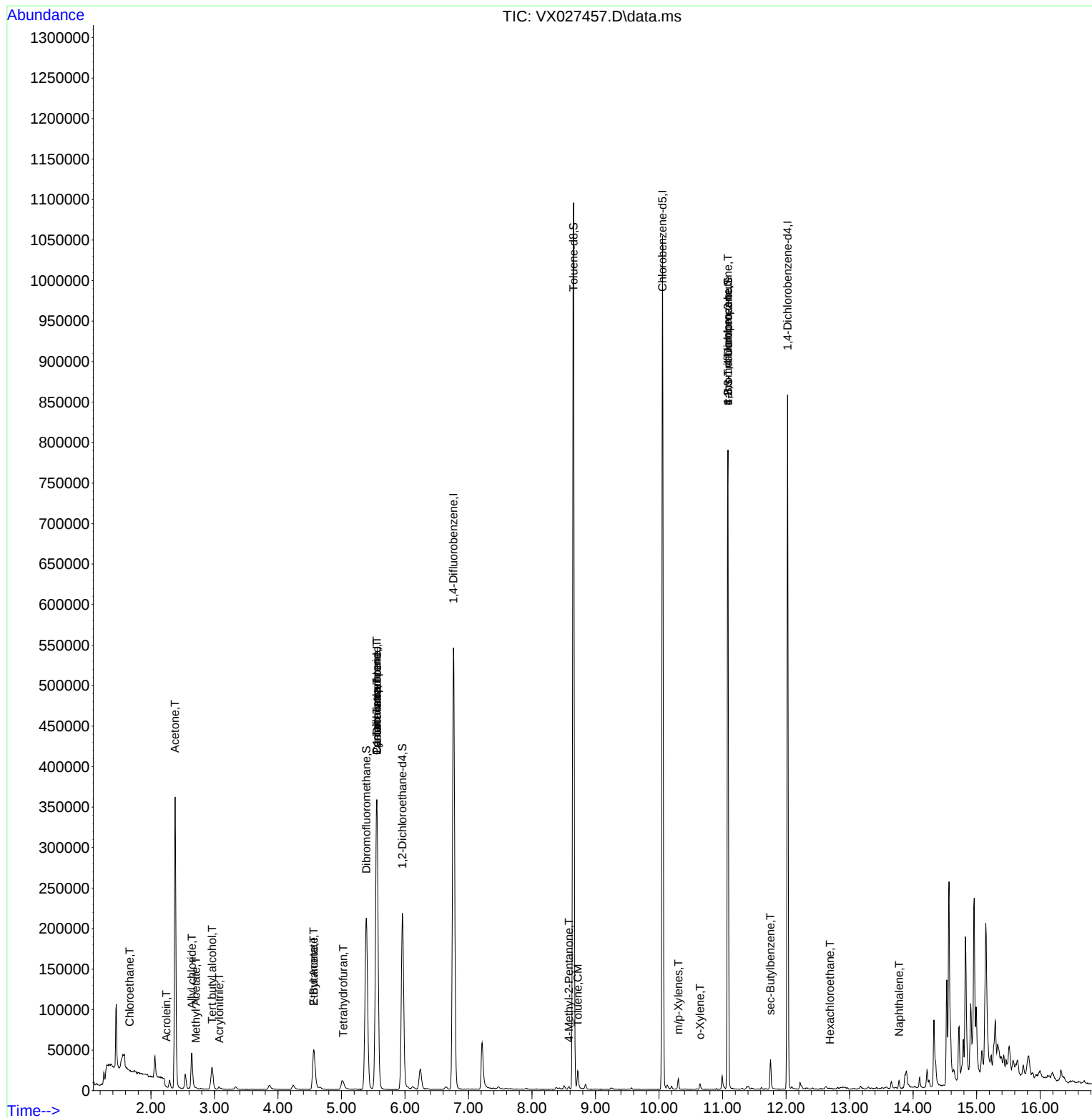
Internal Standards						
1) Pentafluorobenzene	5.556	168	350606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	585081	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	475675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	211907	51.829	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.660%	
35) Dibromofluoromethane	5.391	113	188317	49.881	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.760%	
50) Toluene-d8	8.653	98	671805	47.135	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 94.260%	
62) 4-Bromofluorobenzene	11.085	95	212592	39.136	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 78.280%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	852	Below Cal		92
6) Chloroethane	1.666	64	609	0.696	ug/l #	56
11) Tert butyl alcohol	2.965	59	30914	38.569	ug/l	98
13) Acrolein	2.239	56	518	0.922	ug/l #	77
14) Allyl chloride	2.642	41	46469	8.715	ug/l #	41
15) Acrylonitrile	3.075	53	2343	1.111	ug/l	95
16) Acetone	2.380	43	366790	231.257	ug/l	94
18) Methyl Acetate	2.709	43	1346	0.299	ug/l	99
25) 2-Butanone	4.562	43	85419	30.330	ug/l	94
29) Tetrahydrofuran	5.025	42	2897	1.555	ug/l #	86
31) Cyclohexane	5.556	56	6775	1.185	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	25522	4.869	ug/l #	50
37) Ethyl Acetate	4.562	43	85419	15.460	ug/l #	65
38) Carbon Tetrachloride	5.556	117	35573	6.563	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	2138	0.383	ug/l	93
52) Toluene	8.720	92	7074	0.695	ug/l	95
68) m/p-Xylenes	10.305	106	2779	0.411	ug/l	82
69) o-Xylene	10.646	106	1519	0.227	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	104294	27.268	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	104294	88.186	ug/l #	15
85) sec-Butylbenzene	11.756	105	12135	0.921	ug/l #	56
90) Hexachloroethane	12.695	117	420	0.242	ug/l #	10
95) Naphthalene	13.780	128	6546	0.498	ug/l	97

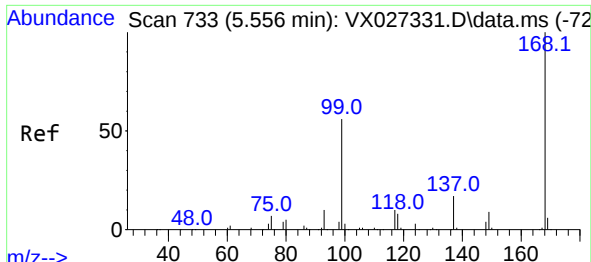
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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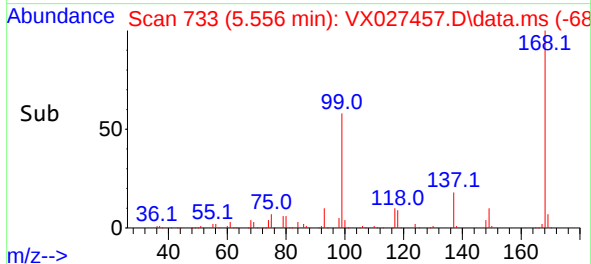
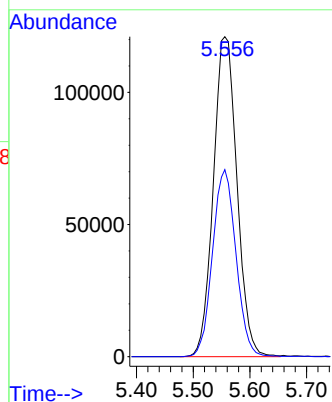
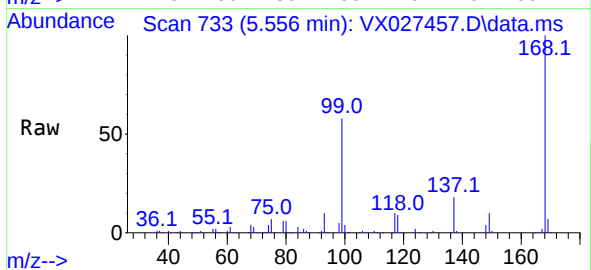




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

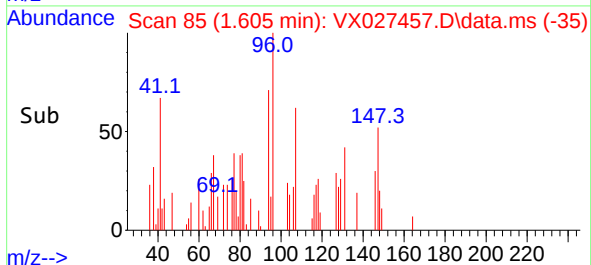
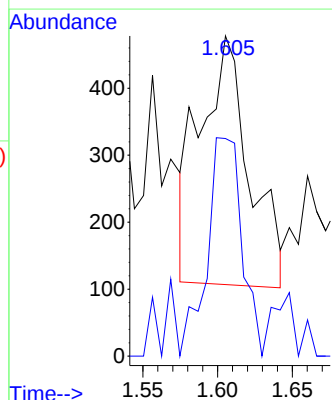
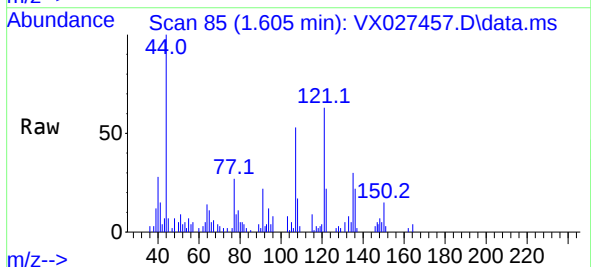
Instrument :
MSVOA_X
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31340

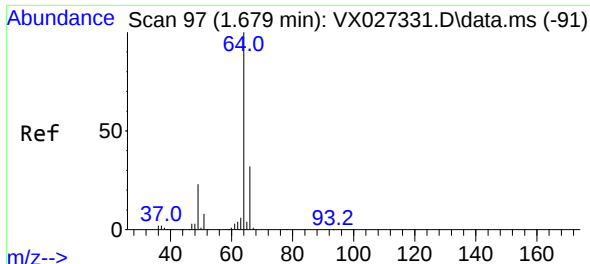
Tgt Ion:168 Resp: 350606
Ion Ratio Lower Upper
168 100
99 58.4 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion: 94 Resp: 852
Ion Ratio Lower Upper
94 100
96 101.6 75.3 112.9

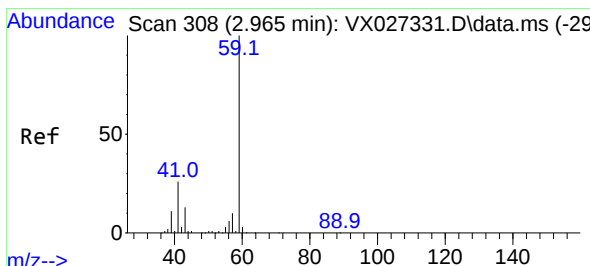
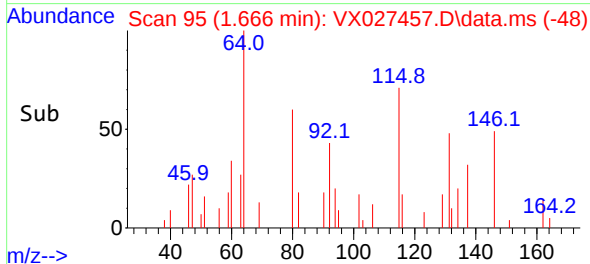
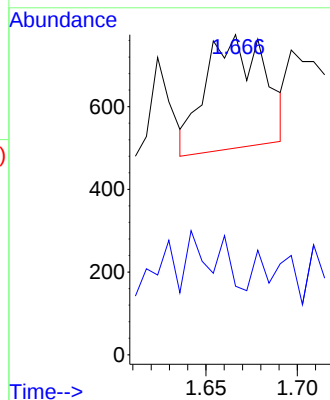
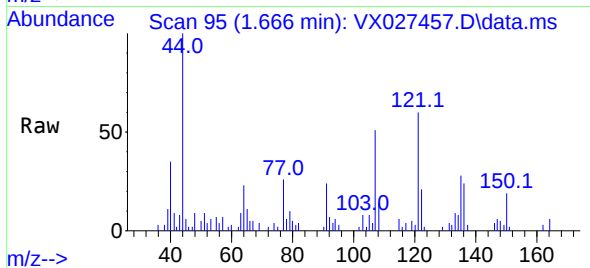




#6
Chloroethane
Concen: 0.696 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.013 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

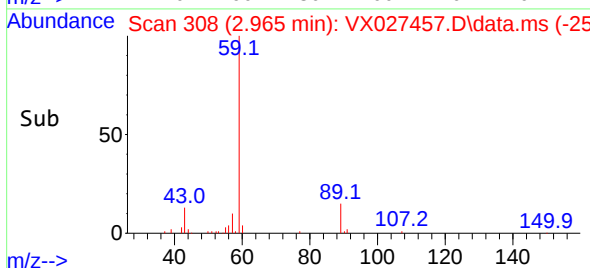
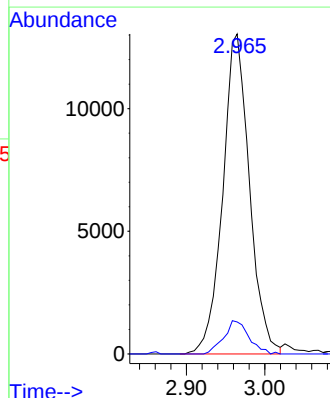
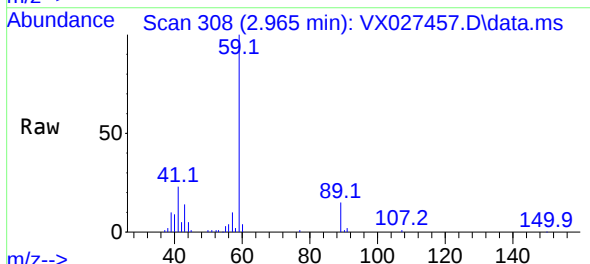
Instrument :
MSVOA_X
ClientSampleId :
31340

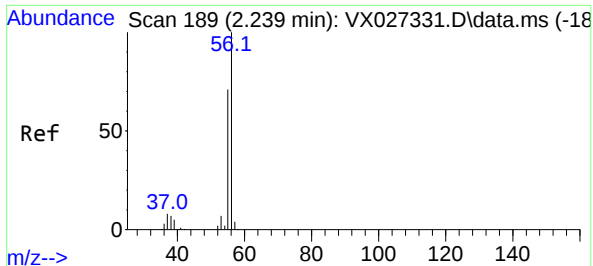
Tgt Ion: 64 Resp: 609
Ion Ratio Lower Upper
64 100
66 7.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 38.569 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion: 59 Resp: 30914
Ion Ratio Lower Upper
59 100
57 9.8 8.3 12.5

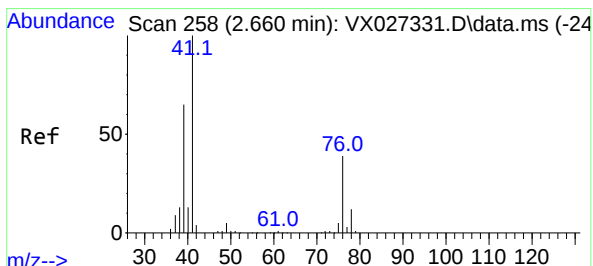
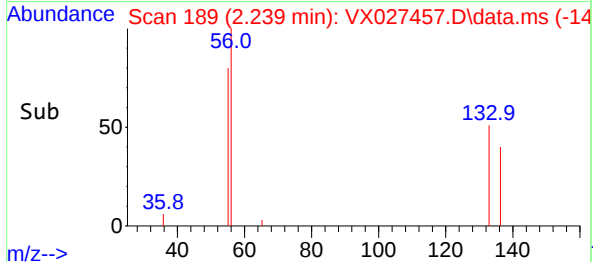
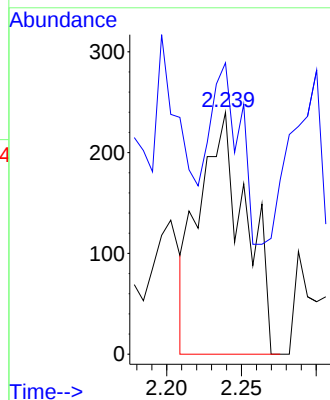
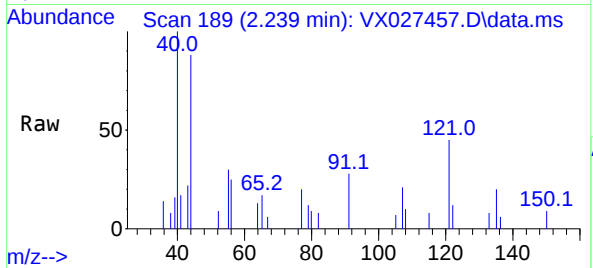




#13
Acrolein
Concen: 0.922 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

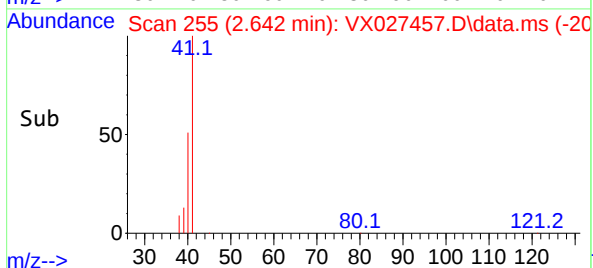
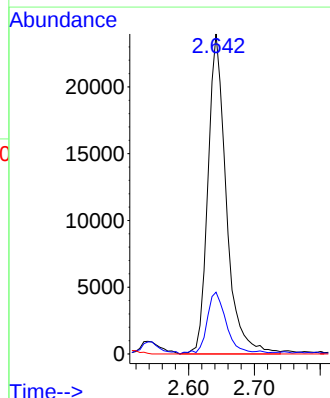
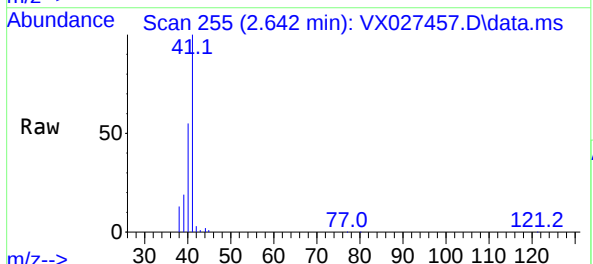
Instrument :
MSVOA_X
ClientSampleId :
31340

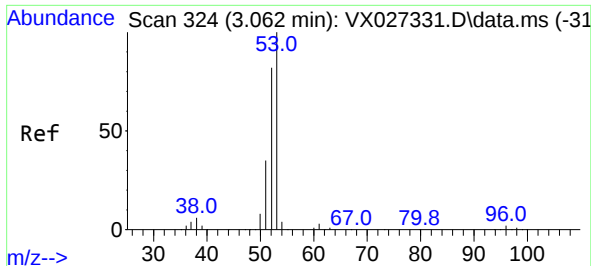
Tgt Ion: 56 Resp: 518
Ion Ratio Lower Upper
56 100
55 49.8 55.0 82.6#



#14
Allyl chloride
Concen: 8.715 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.018 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion: 41 Resp: 46469
Ion Ratio Lower Upper
41 100
39 20.7 50.4 75.6#
76 0.0 32.7 49.1#

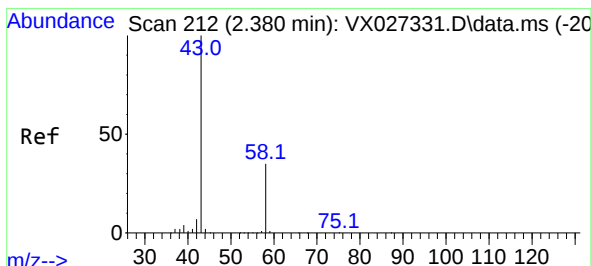
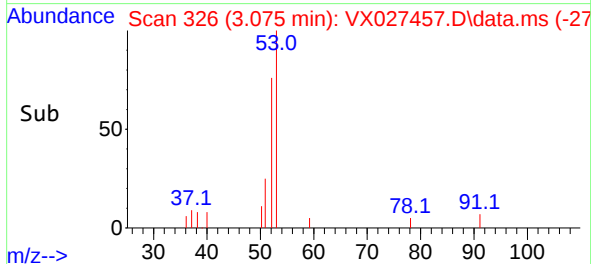
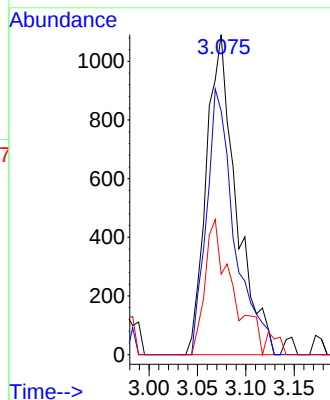
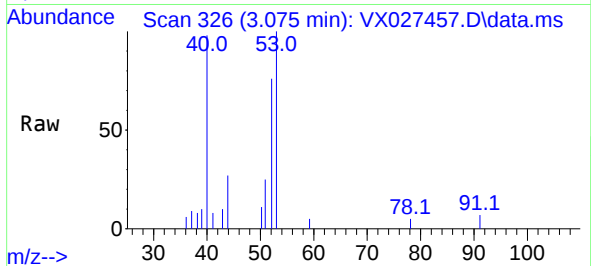




#15
Acrylonitrile
Concen: 1.111 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

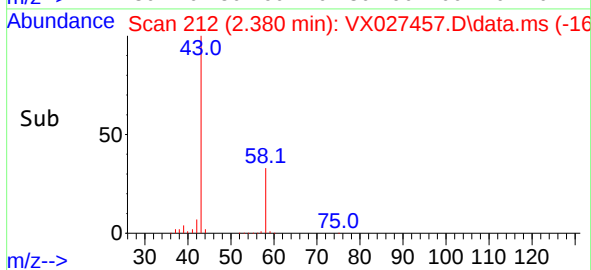
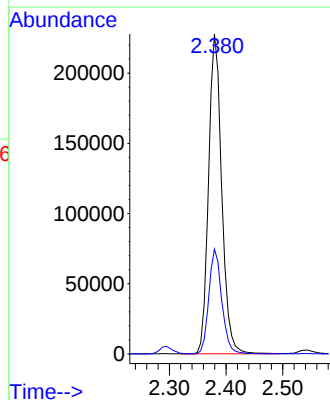
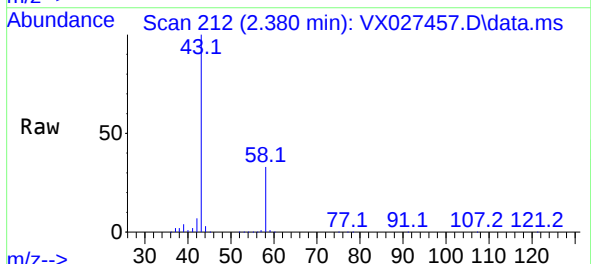
Instrument :
MSVOA_X
ClientSampleId :
31340

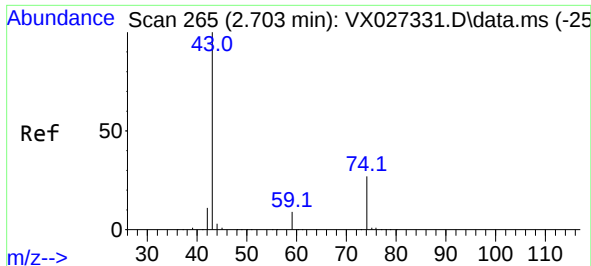
Tgt Ion: 53 Resp: 2343
Ion Ratio Lower Upper
53 100
52 78.1 65.7 98.5
51 38.7 28.4 42.6



#16
Acetone
Concen: 231.257 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion: 43 Resp: 366790
Ion Ratio Lower Upper
43 100
58 32.7 28.8 43.2





#18

Methyl Acetate

Concen: 0.299 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX027457.D

Acq: 15 Mar 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

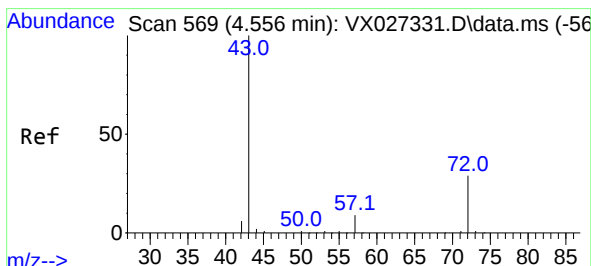
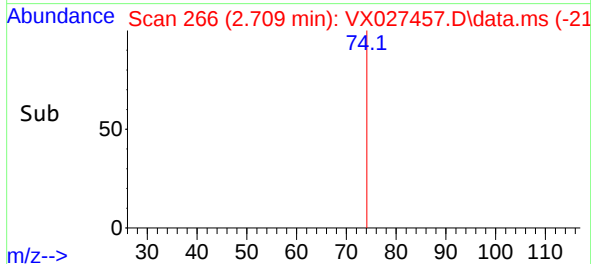
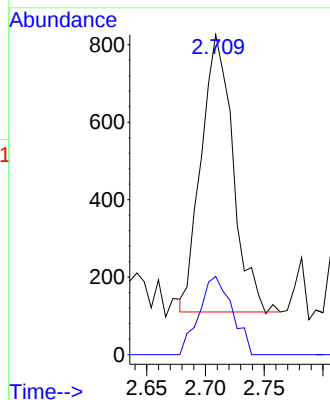
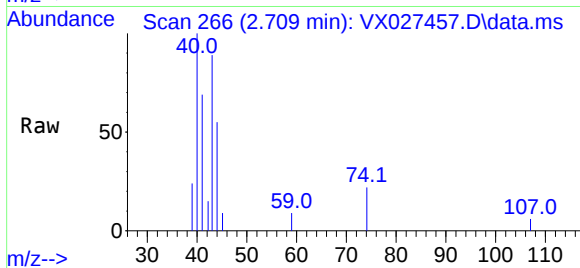
31340

Tgt Ion: 43 Resp: 1346

Ion Ratio Lower Upper

43 100

74 29.2 22.8 34.2



#25

2-Butanone

Concen: 30.330 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX027457.D

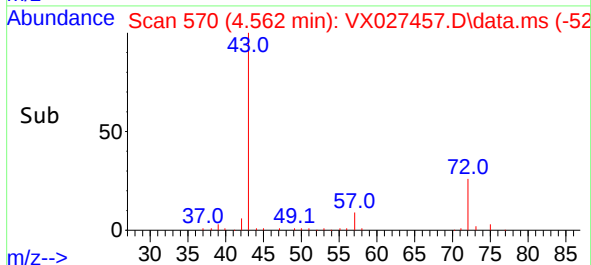
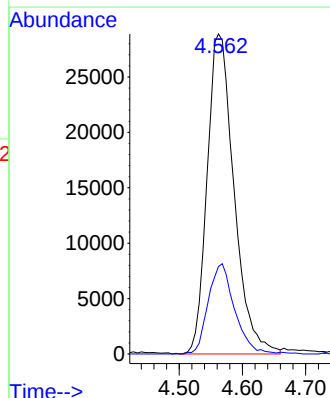
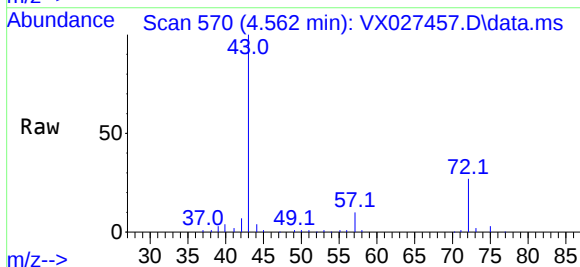
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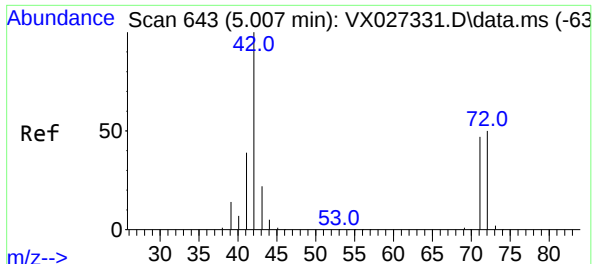
Tgt Ion: 43 Resp: 85419

Ion Ratio Lower Upper

43 100

72 27.3 24.4 36.6

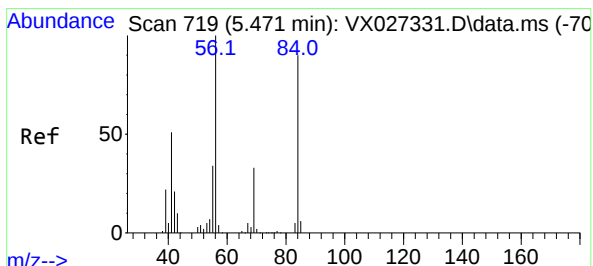
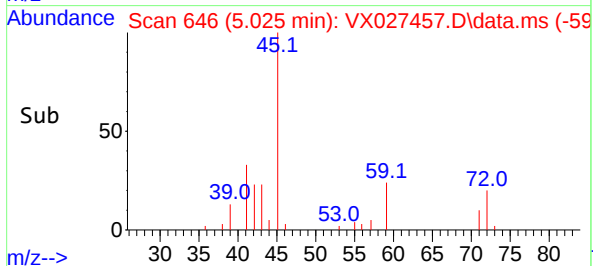
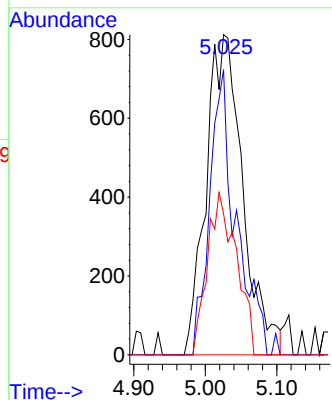
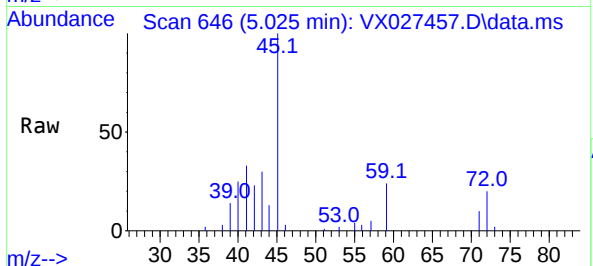




#29
Tetrahydrofuran
Concen: 1.555 ug/l
RT: 5.025 min Scan# 643
Delta R.T. 0.018 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

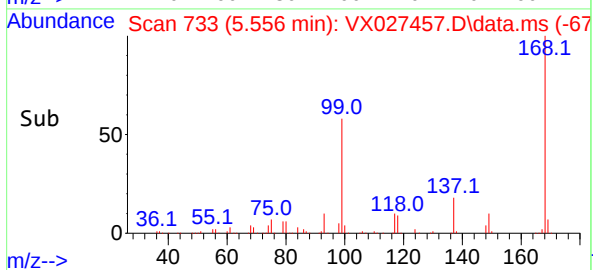
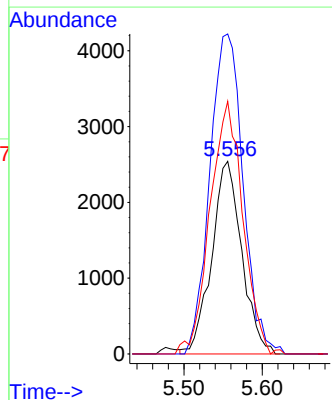
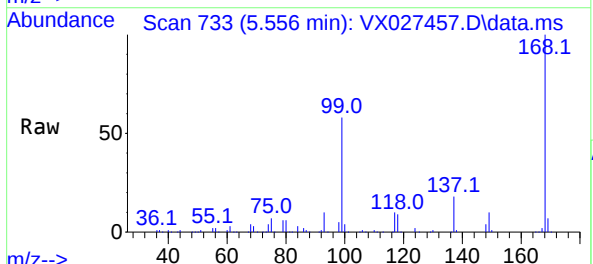
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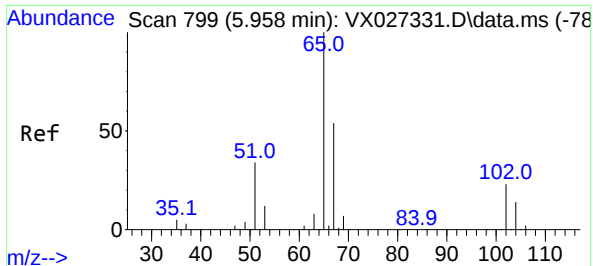
Tgt Ion:	42	Resp:	2897
Ion	Ratio	Lower	Upper
42	100		
72	63.8	44.1	66.1
71	39.9	40.5	60.7#



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion:	56	Resp:	6775
Ion	Ratio	Lower	Upper
56	100		
69	166.1	26.7	40.1#
84	129.0	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.829 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027457.D

Acq: 15 Mar 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

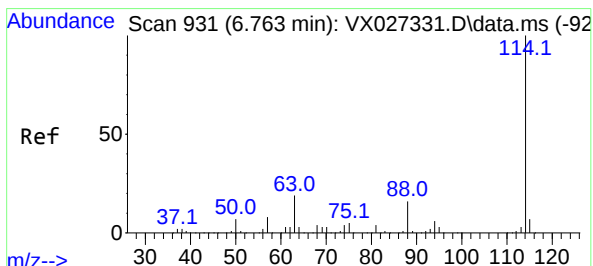
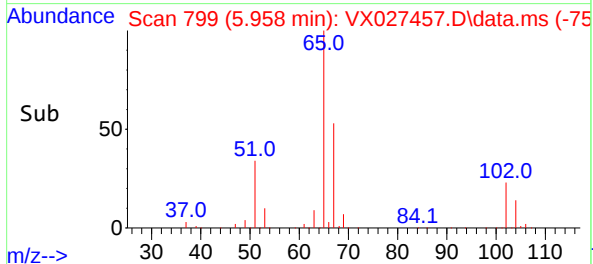
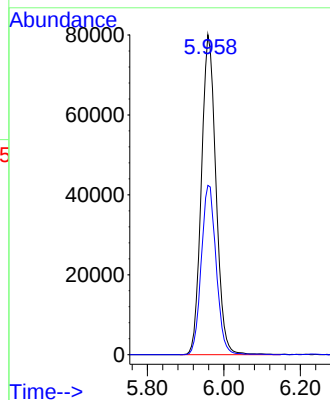
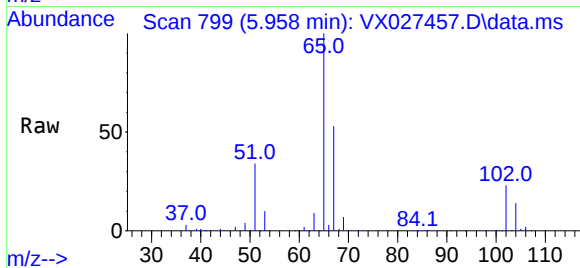
31340

Tgt Ion: 65 Resp: 211907

Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX027457.D

Acq: 15 Mar 2022 19:06

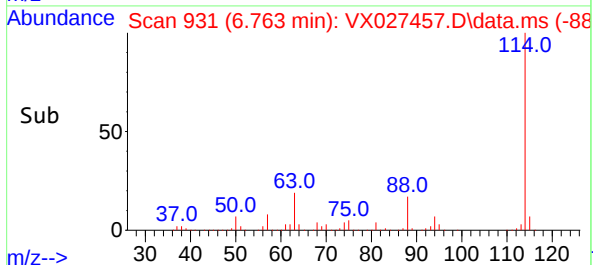
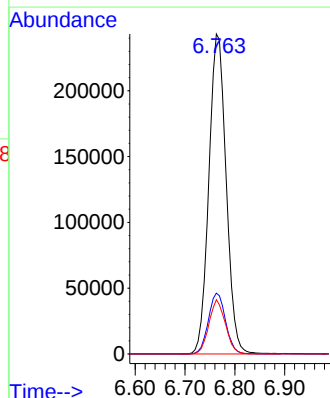
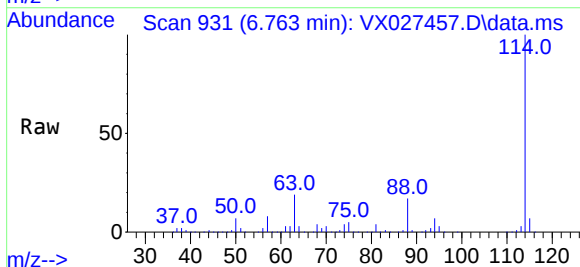
Tgt Ion: 114 Resp: 585081

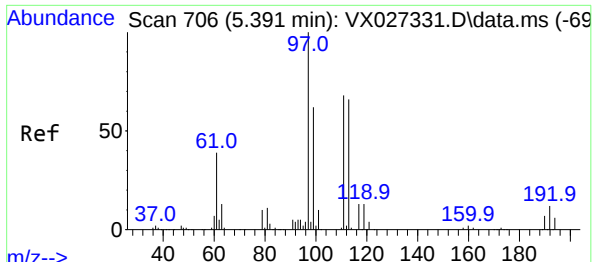
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 17.0 0.0 32.4

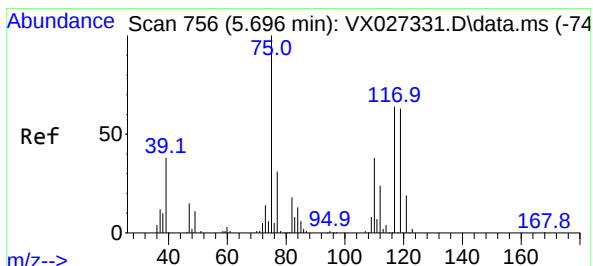
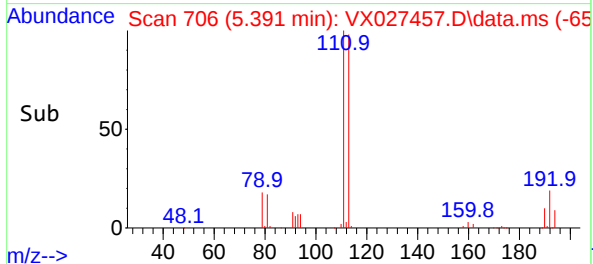
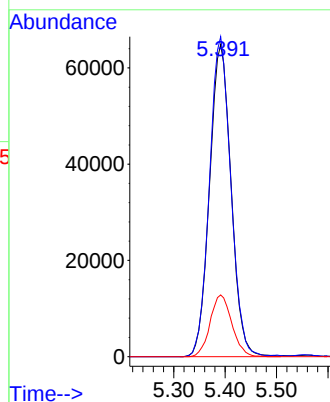
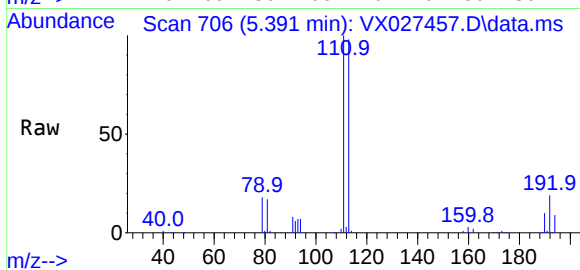




#35
Dibromofluoromethane
Concen: 49.881 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

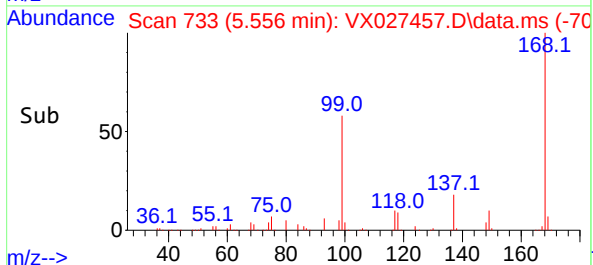
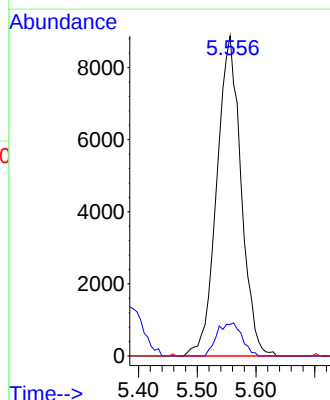
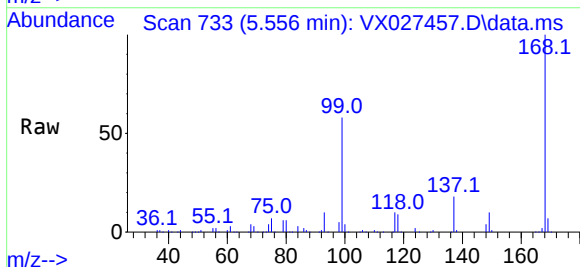
Instrument :
MSVOA_X
ClientSampleId :
31340

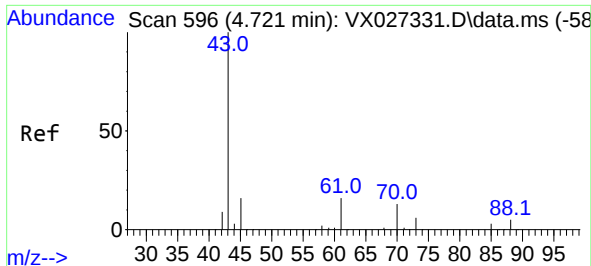
Tgt Ion:113 Resp: 188317
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion: 75 Resp: 25522
Ion Ratio Lower Upper
75 100
110 10.6 18.3 54.8#
77 0.0 24.8 37.2#

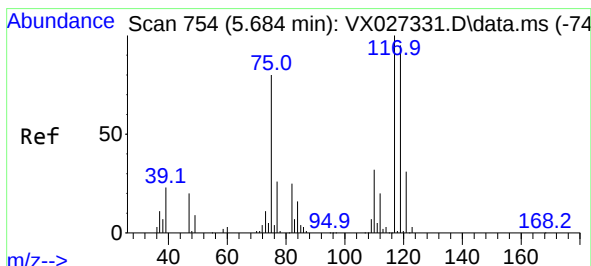
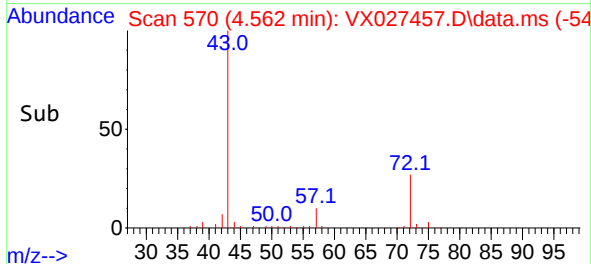
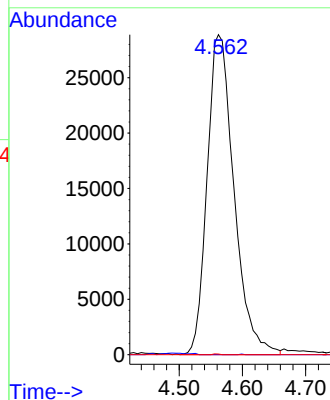
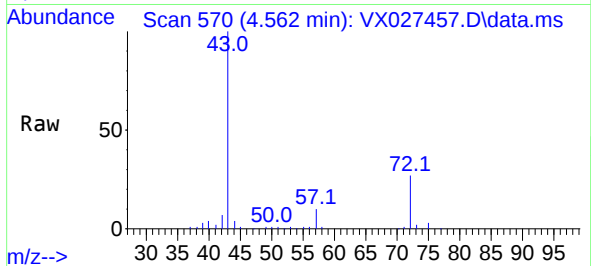




#37
Ethyl Acetate
Concen: 15.460 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.159 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

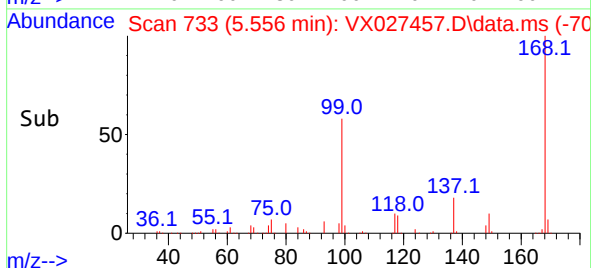
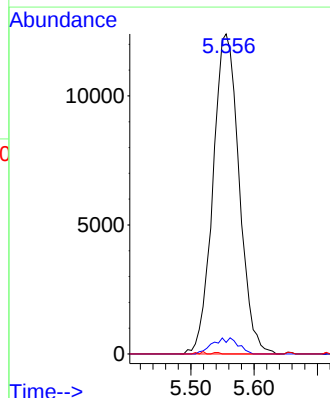
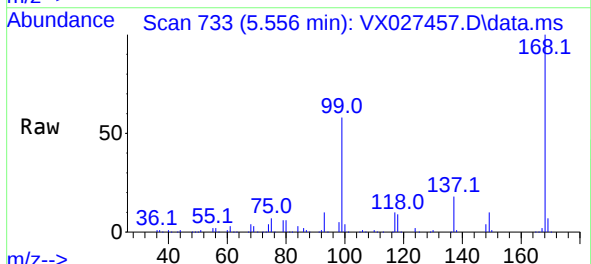
Instrument :
MSVOA_X
ClientSampleId :
31340

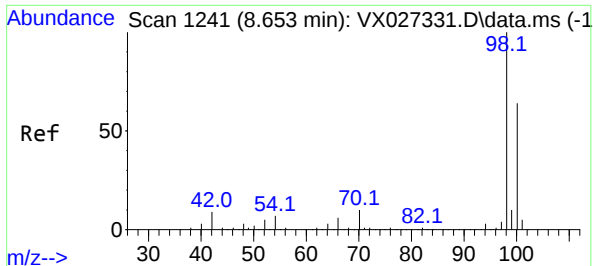
Tgt Ion: 43 Resp: 85419
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.1 10.2 15.2#



#38
Carbon Tetrachloride
Concen: 6.563 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion: 117 Resp: 35573
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 47.135 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027457.D

Acq: 15 Mar 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

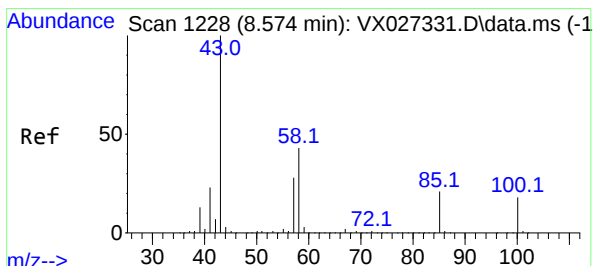
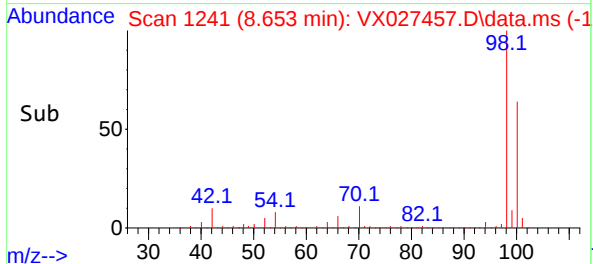
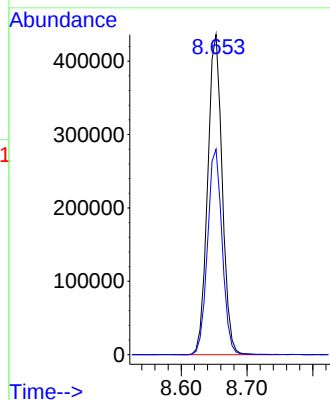
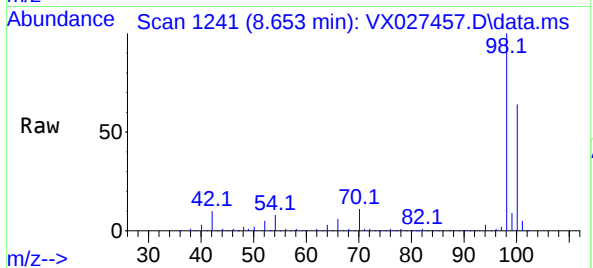
31340

Tgt Ion: 98 Resp: 671805

Ion Ratio Lower Upper

98 100

100 64.4 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.383 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX027457.D

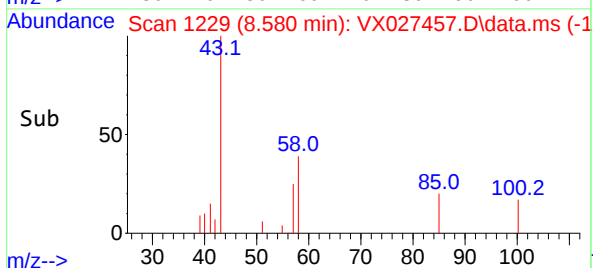
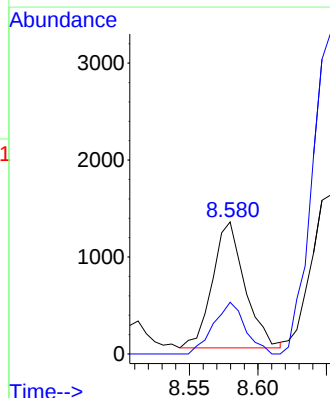
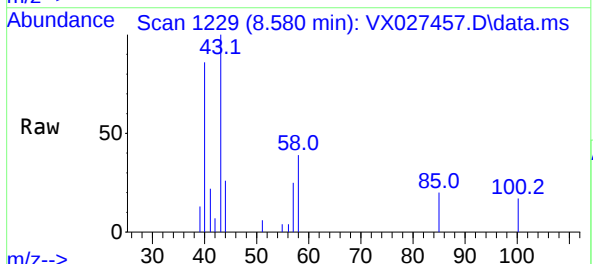
Acq: 15 Mar 2022 19:06

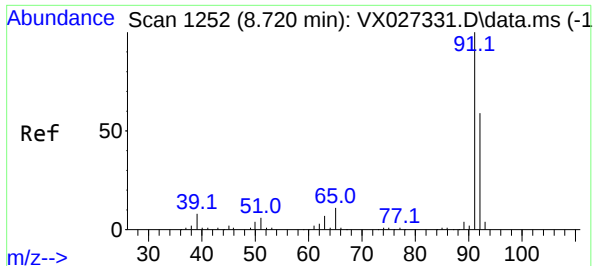
Tgt Ion: 43 Resp: 2138

Ion Ratio Lower Upper

43 100

58 40.2 36.1 54.1





#52

Toluene

Concen: 0.695 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX027457.D

Acq: 15 Mar 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

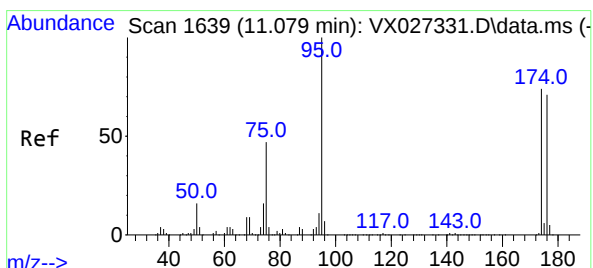
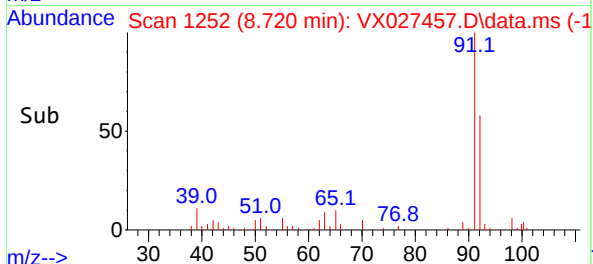
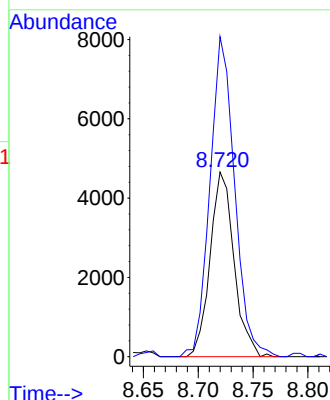
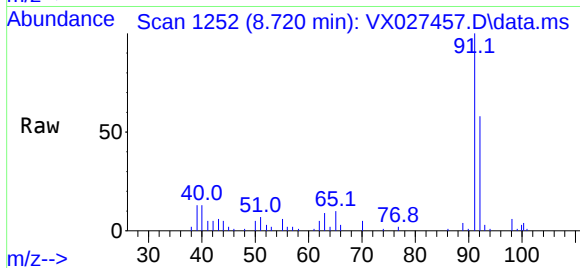
31340

Tgt Ion: 92 Resp: 7074

Ion Ratio Lower Upper

92 100

91 178.8 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 39.136 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027457.D

Acq: 15 Mar 2022 19:06

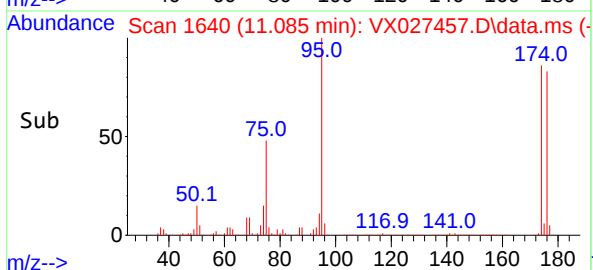
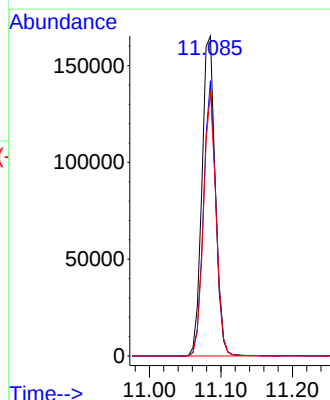
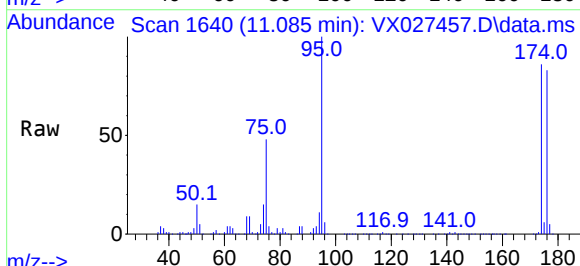
Tgt Ion: 95 Resp: 212592

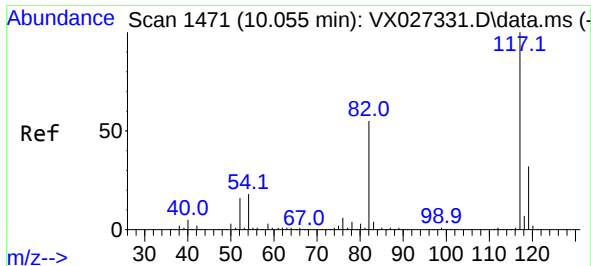
Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.0

176 78.1 0.0 155.0

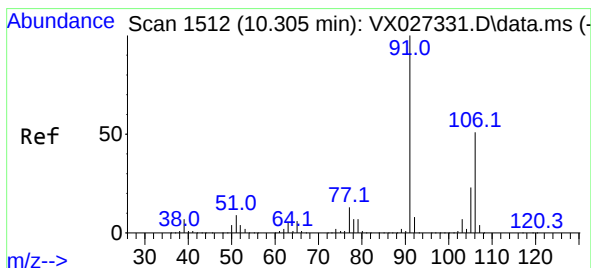
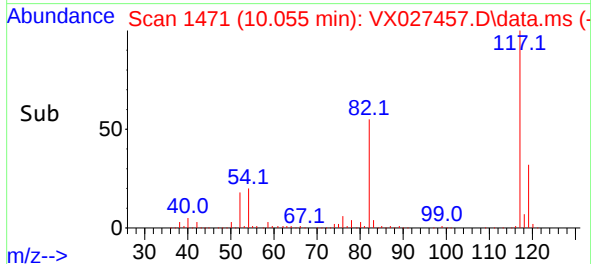
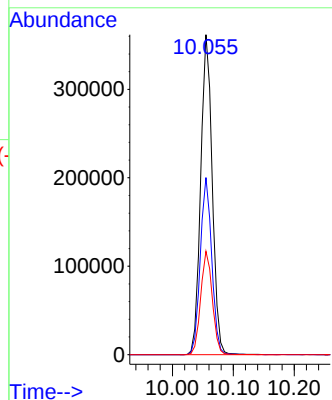
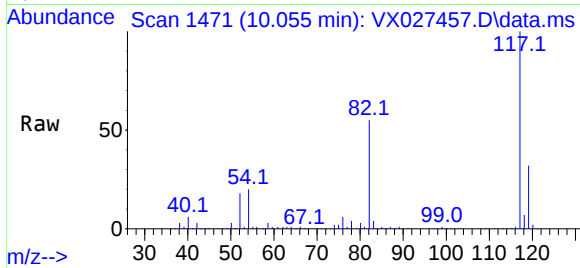




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

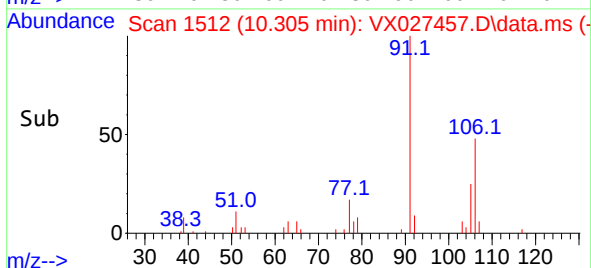
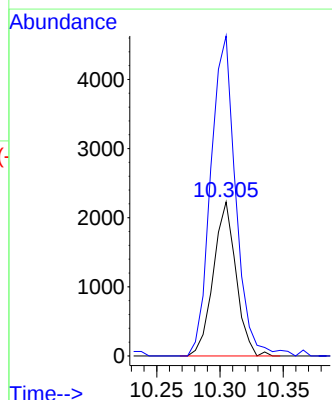
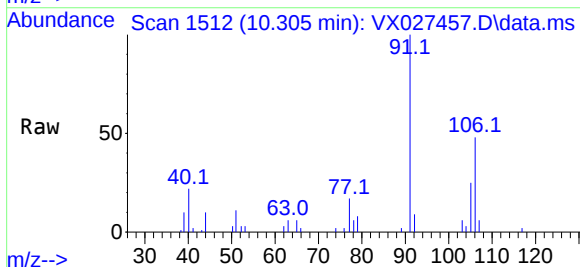
Instrument :
MSVOA_X
ClientSampleId :
31340

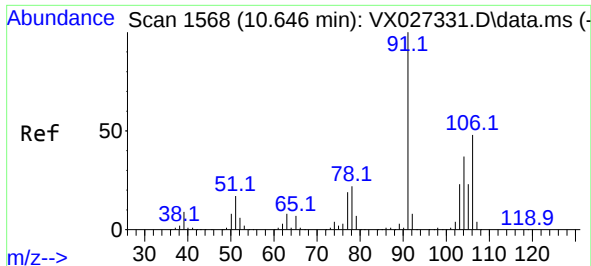
Tgt Ion:117 Resp: 475675
Ion Ratio Lower Upper
117 100
82 55.4 41.8 62.8
119 32.3 24.8 37.2



#68
m/p-Xylenes
Concen: 0.411 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion:106 Resp: 2779
Ion Ratio Lower Upper
106 100
91 228.0 160.4 240.6

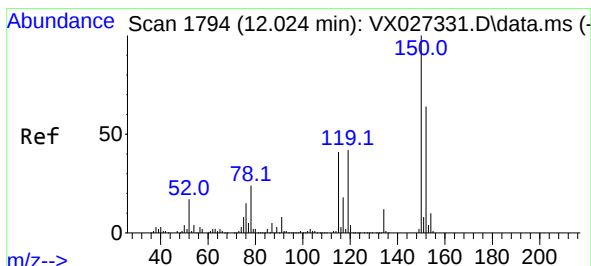
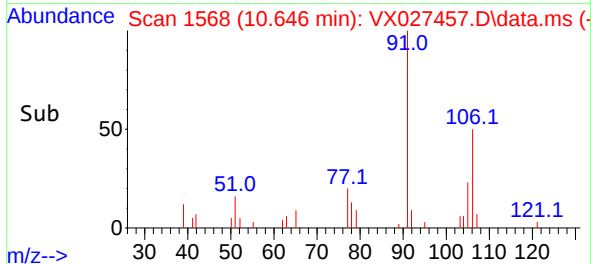
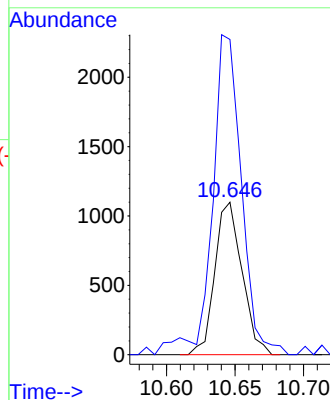
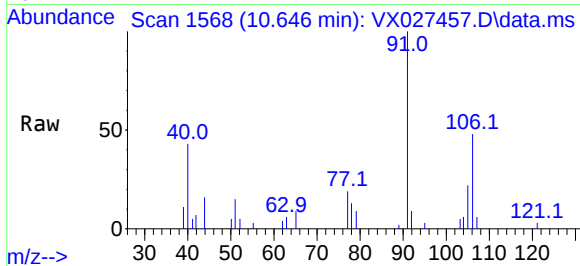




#69
o-Xylene
Concen: 0.227 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

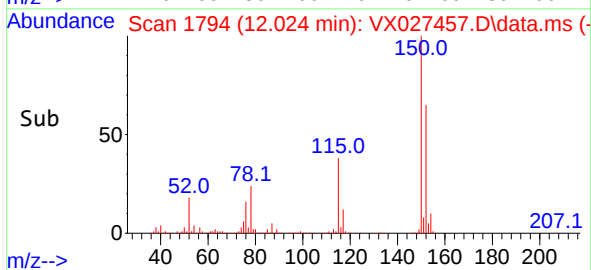
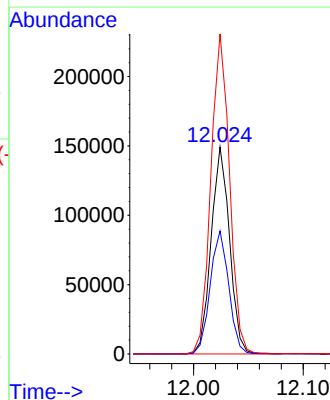
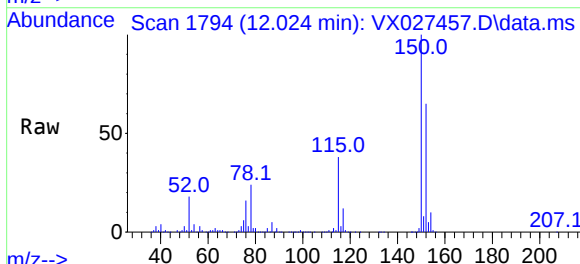
Instrument :
MSVOA_X
ClientSampleId :
31340

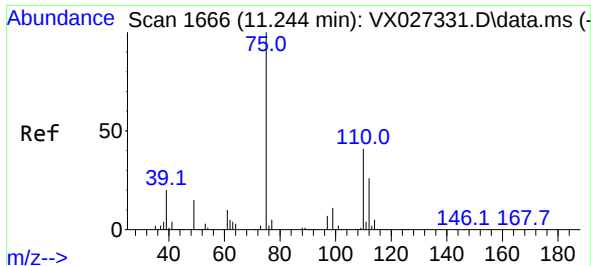
Tgt Ion:106 Resp: 1519
Ion Ratio Lower Upper
106 100
91 225.5 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion:152 Resp: 174329
Ion Ratio Lower Upper
152 100
115 60.0 37.5 112.7
150 156.8 0.0 338.2

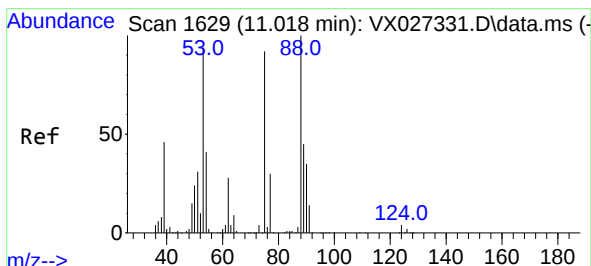
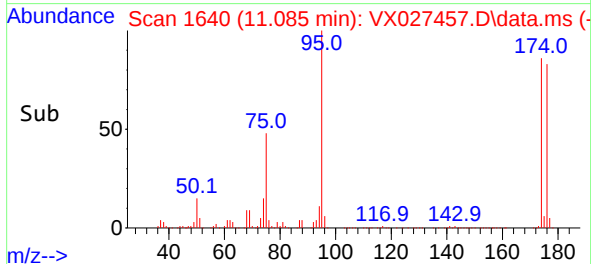
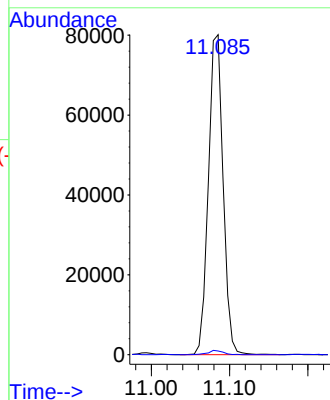
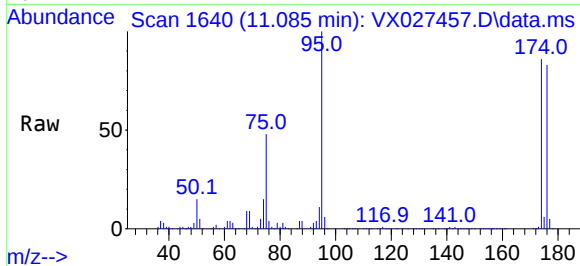




#76
1,2,3-Trichloropropane
Concen: 27.268 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

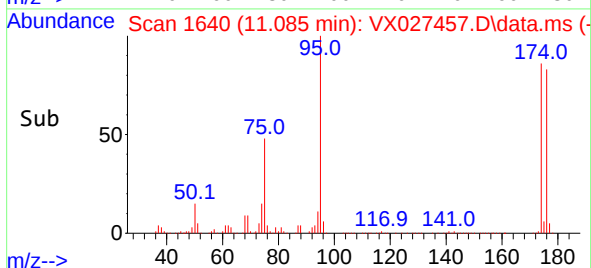
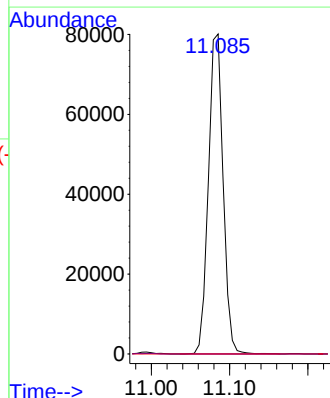
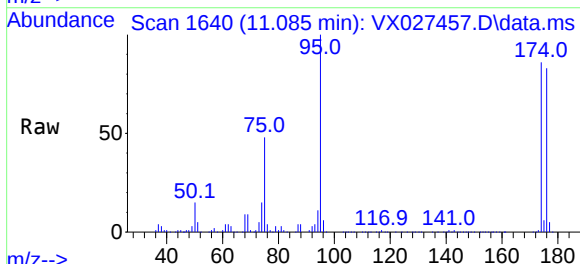
Instrument :
MSVOA_X
ClientSampleId :
31340

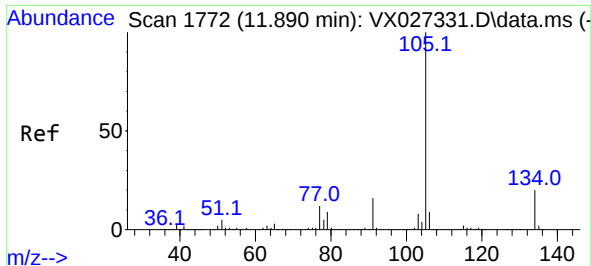
Tgt Ion: 75 Resp: 104294
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.186 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Tgt Ion: 75 Resp: 104294
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

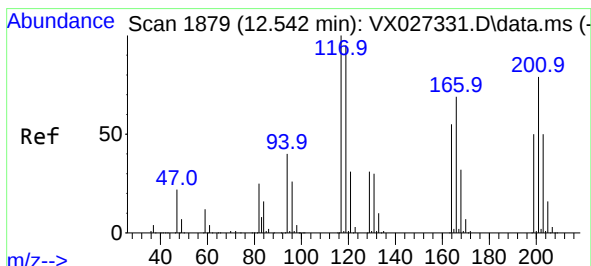
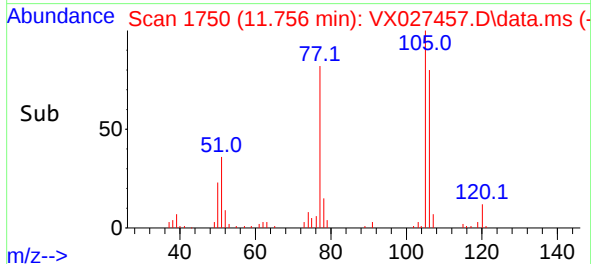
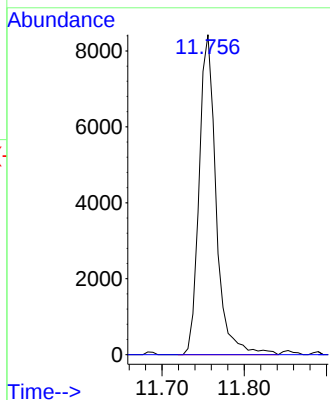
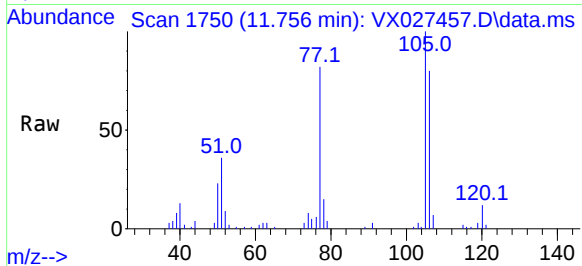




#85
 sec-Butylbenzene
 Concen: 0.921 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX027457.D
 Acq: 15 Mar 2022 19:06

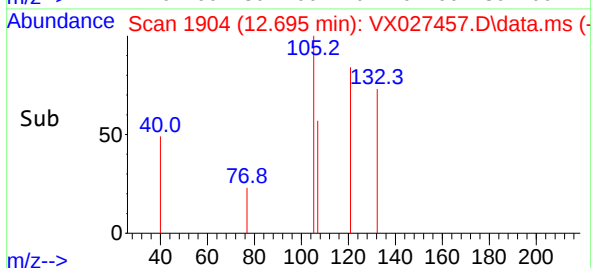
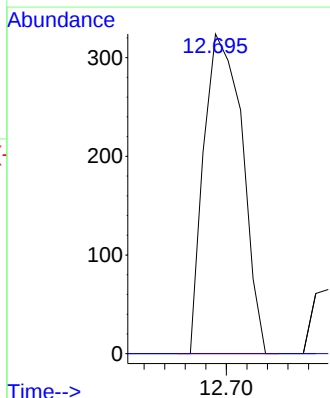
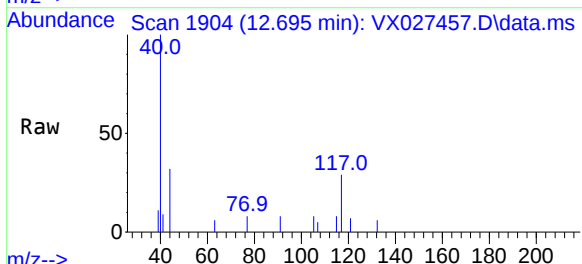
Instrument :
 MSVOA_X
 ClientSampleId :
 31340

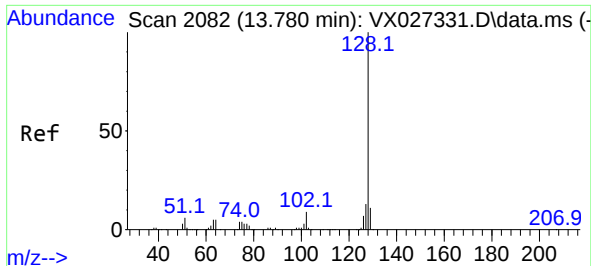
Tgt Ion:105 Resp: 12135
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#90
 Hexachloroethane
 Concen: 0.242 ug/l
 RT: 12.695 min Scan# 1904
 Delta R.T. 0.153 min
 Lab File: VX027457.D
 Acq: 15 Mar 2022 19:06

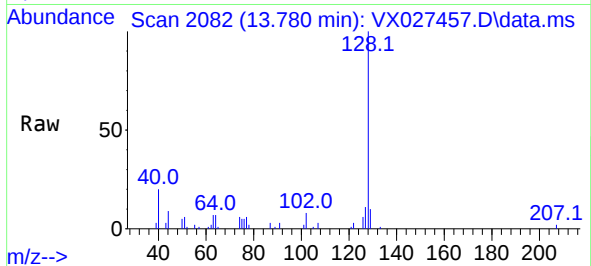
Tgt Ion:117 Resp: 420
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 0.498 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027457.D
Acq: 15 Mar 2022 19:06

Instrument :
MSVOA_X
ClientSampleId :
31340



Tgt Ion:	128	Resp:	6546
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	12.3	8.7	13.1

