

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034591.D
 Acq On : 17 Mar 2023 17:55
 Operator : JC/MD
 Sample : PB151466ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#12

Quant Time: Mar 20 00:05:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

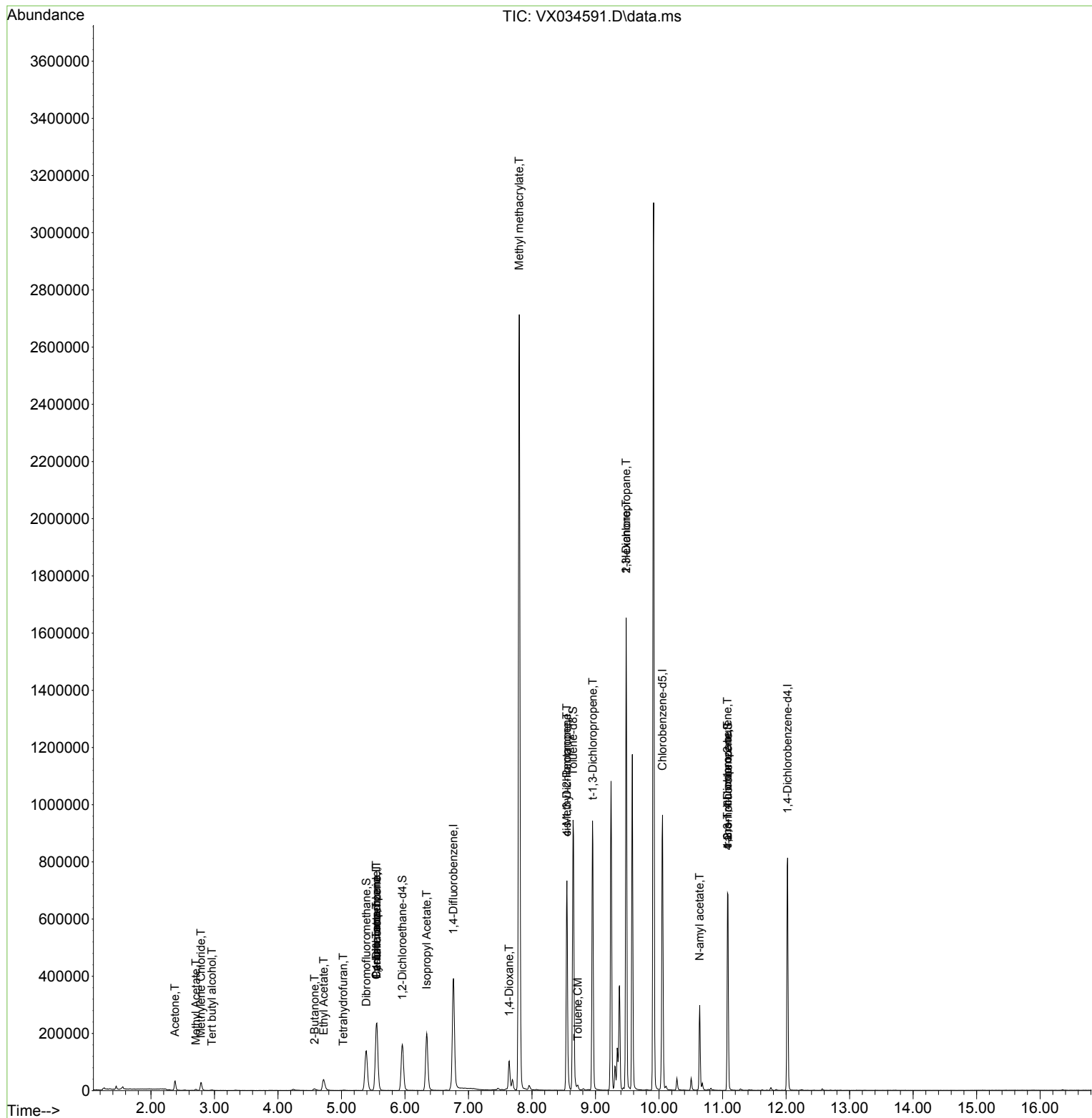
Internal Standards						
1) Pentafluorobenzene	5.556	168	221794	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	382071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	403104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153891	47.694	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.380%
35) Dibromofluoromethane	5.391	113	119768	47.478	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.960%
50) Toluene-d8	8.647	98	541690	57.522	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	115.040%#
62) 4-Bromofluorobenzene	11.085	95	193497	50.870	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.740%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	624	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	1971	2.933	ug/l #	84
16) Acetone	2.380	43	35117	23.105	ug/l	98
18) Methyl Acetate	2.709	43	4983	1.003	ug/l	95
20) Methylene Chloride	2.788	84	12659	4.291	ug/l	89
25) 2-Butanone	4.574	43	11098	5.103	ug/l	97
29) Tetrahydrofuran	5.026	42	634	0.472	ug/l	91
31) Cyclohexane	5.550	56	5378	1.188	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18837	4.862	ug/l #	50
37) Ethyl Acetate	4.721	43	68263	16.127	ug/l	99
38) Carbon Tetrachloride	5.550	117	22893	5.939	ug/l #	15
43) Isopropyl Acetate	6.342	43	275594	38.433	ug/l	99
48) Methyl methacrylate	7.799	41	238747	69.227	ug/l #	47
49) 1,4-Dioxane	7.641	88	78	1.077	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	254891	61.275	ug/l #	50
52) Toluene	8.720	92	4629	0.660	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	2074	0.473	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	106616	22.463	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	13140	2.655	ug/l #	42
59) 2-Hexanone	9.482	43	200026	62.205	ug/l #	51
74) N-amyl acetate	10.640	43	82382	13.660	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	105395	28.174	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	105395	76.219	ug/l #	8

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

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ClientSampleId :
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Quant Time: Mar 20 00:05:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

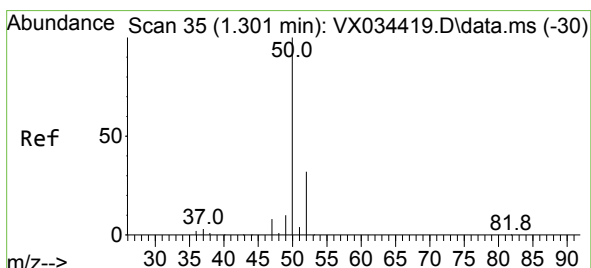
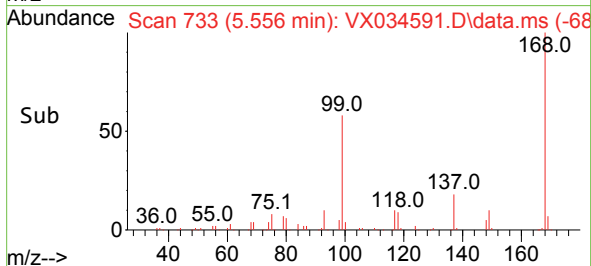
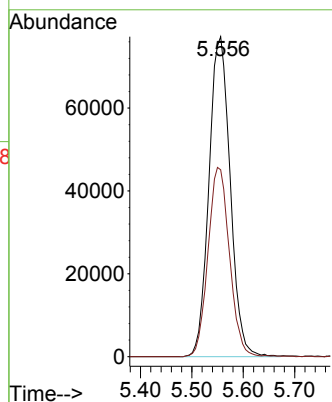
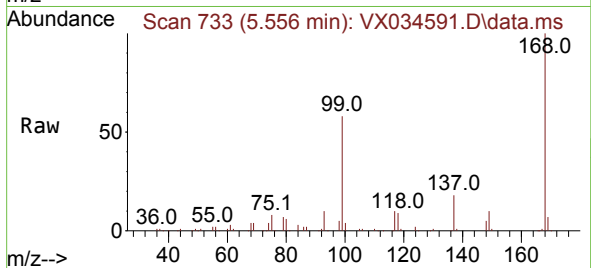




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

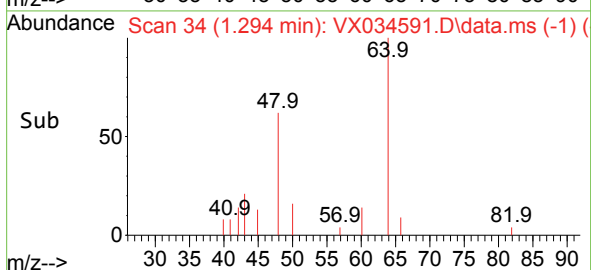
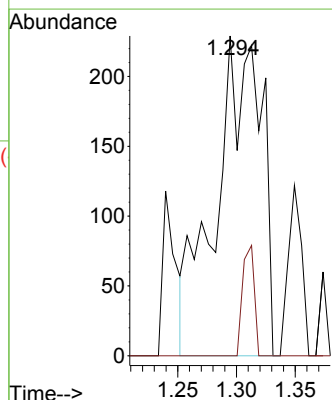
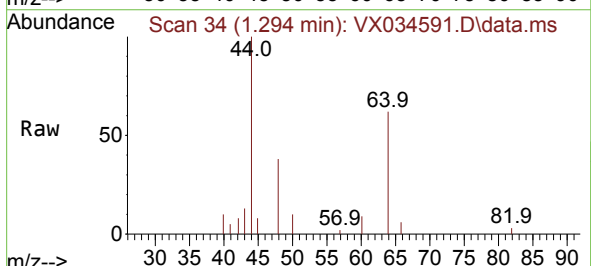
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

Tgt Ion:168 Resp: 221794
Ion Ratio Lower Upper
168 100
99 58.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

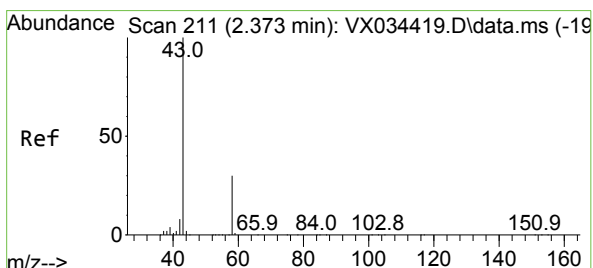
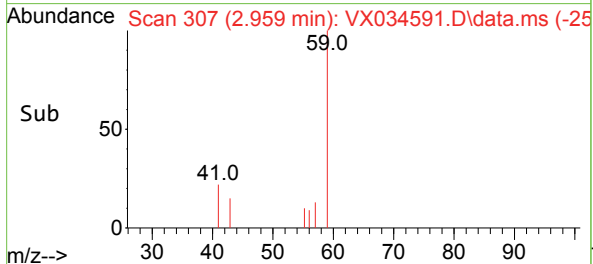
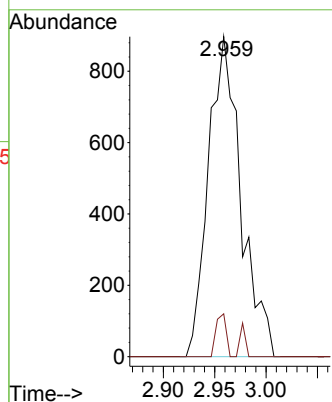
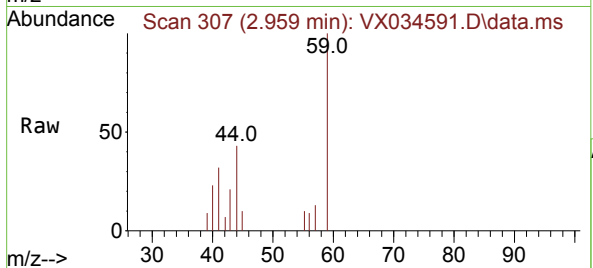




#11
Tert butyl alcohol
Concen: 2.933 ug/l
RT: 2.959 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

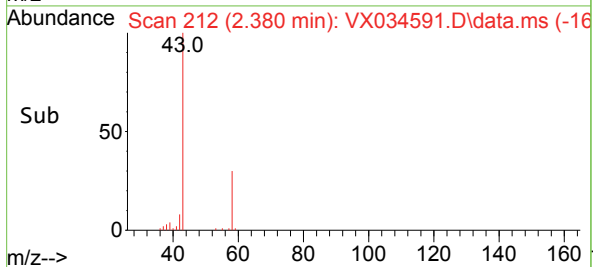
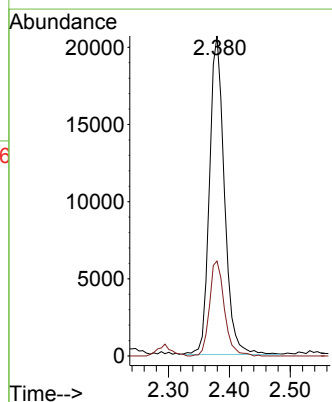
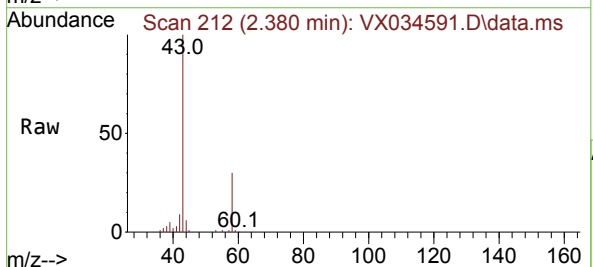
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

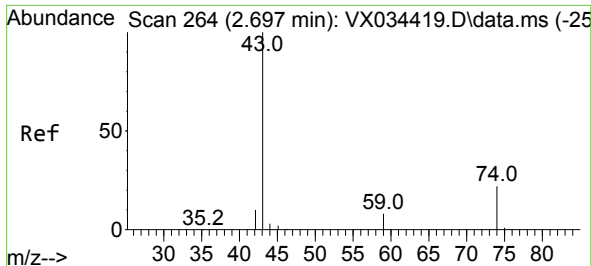
Tgt Ion: 59 Resp: 1971
Ion Ratio Lower Upper
59 100
57 4.2 8.1 12.1#



#16
Acetone
Concen: 23.105 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 43 Resp: 35117
Ion Ratio Lower Upper
43 100
58 29.8 24.7 37.1

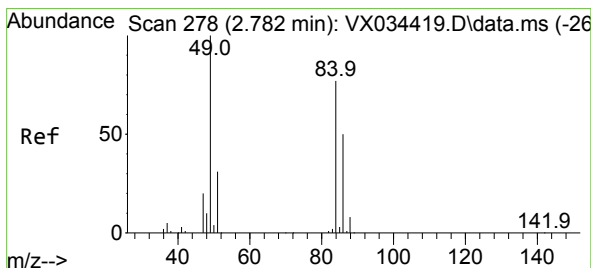
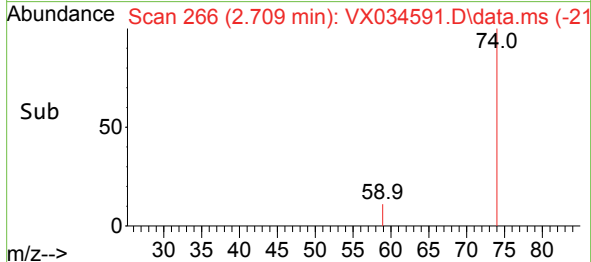
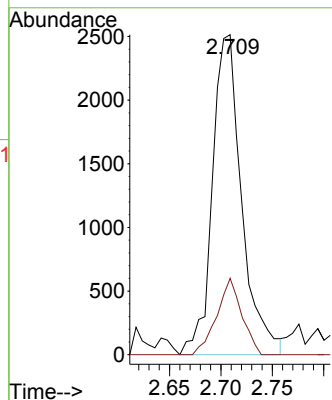
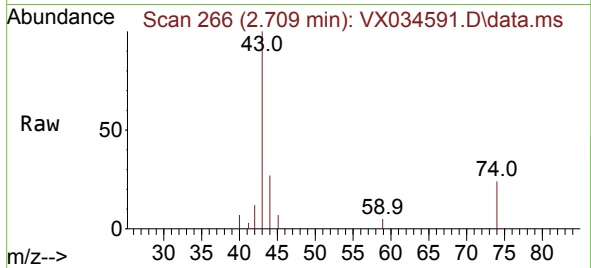




#18
Methyl Acetate
Concen: 1.003 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

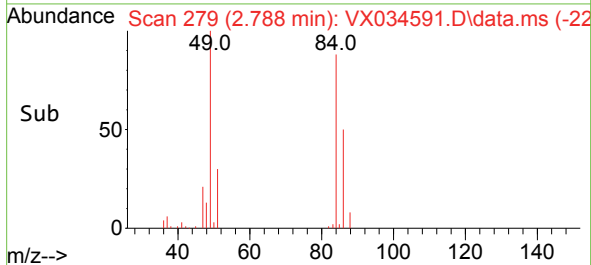
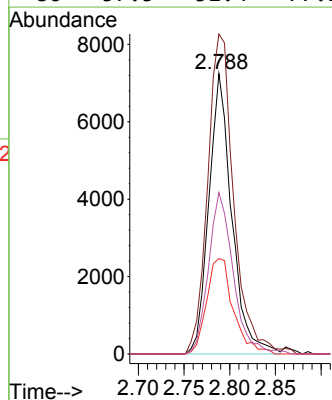
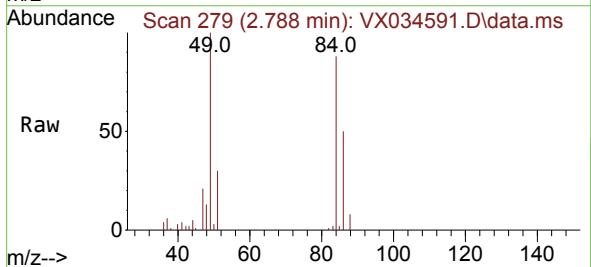
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

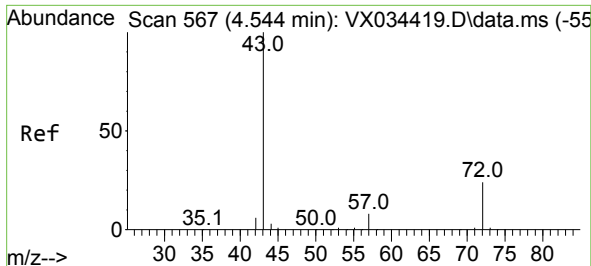
Tgt Ion: 43 Resp: 4983
Ion Ratio Lower Upper
43 100
74 20.3 18.3 27.5



#20
Methylene Chloride
Concen: 4.291 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 84 Resp: 12659
Ion Ratio Lower Upper
84 100
49 114.2 103.8 155.8
51 34.0 31.8 47.8
86 57.5 51.4 77.2

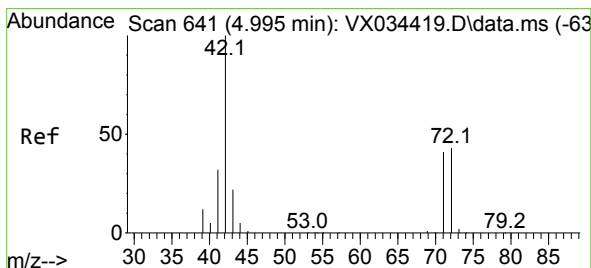
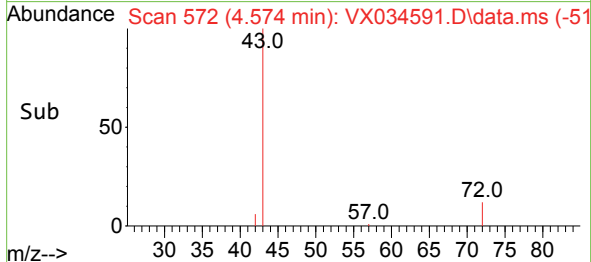
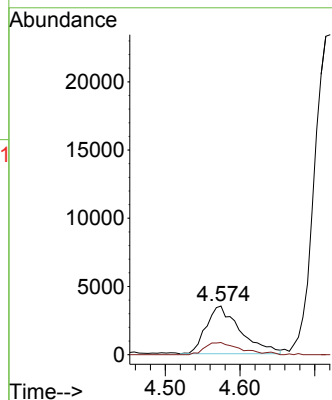
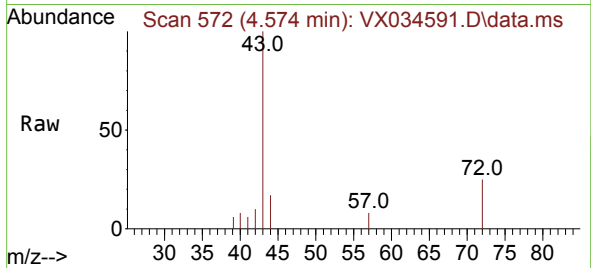




#25
2-Butanone
Concen: 5.103 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

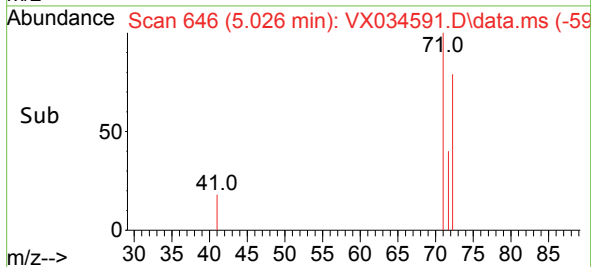
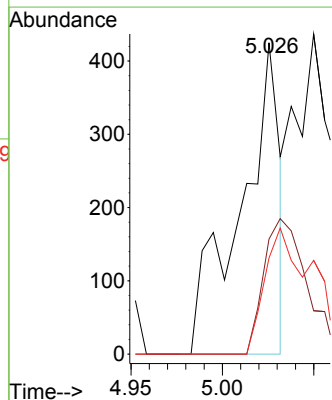
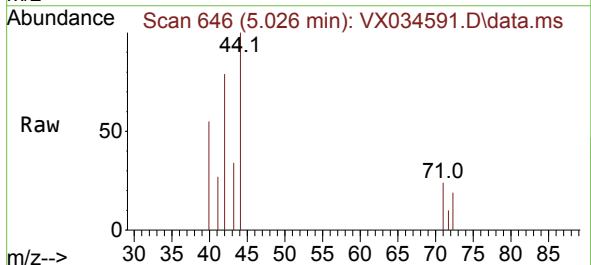
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

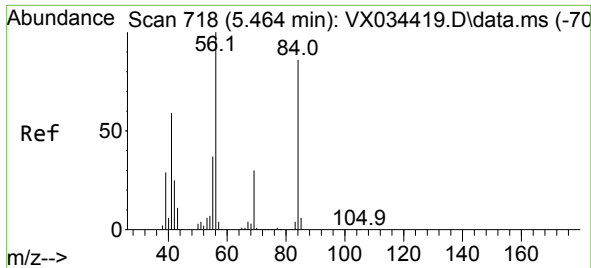
Tgt Ion: 43 Resp: 11098
Ion Ratio Lower Upper
43 100
72 25.5 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.472 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.031 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 42 Resp: 634
Ion Ratio Lower Upper
42 100
72 46.7 34.5 51.7
71 47.3 32.1 48.1

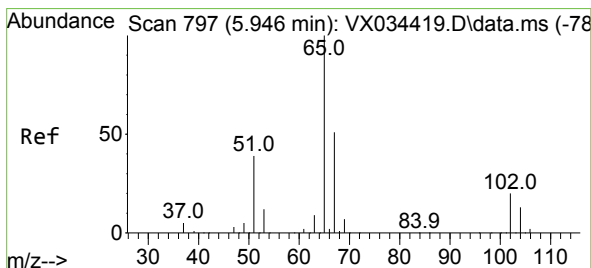
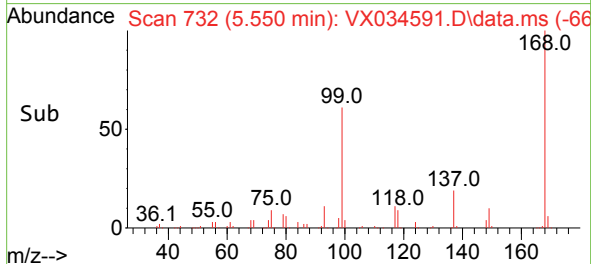
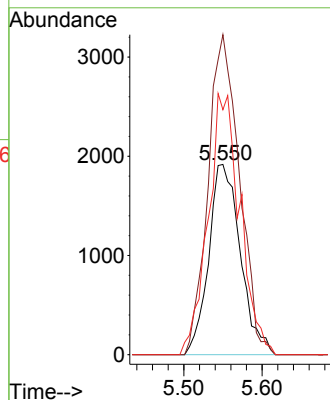
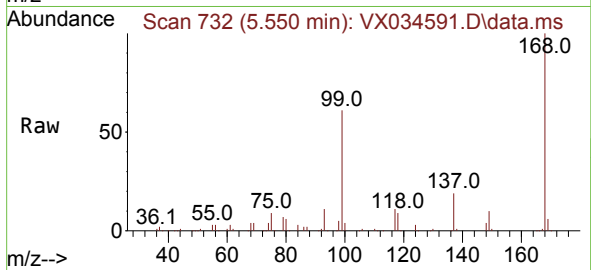




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

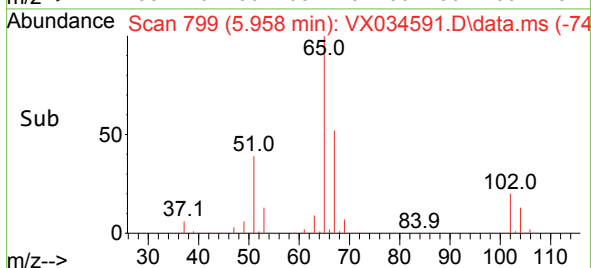
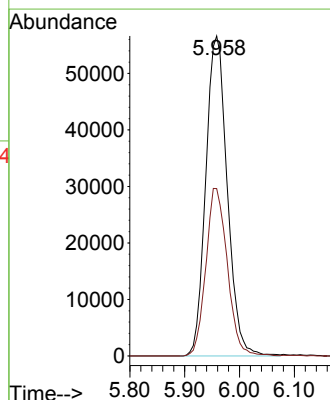
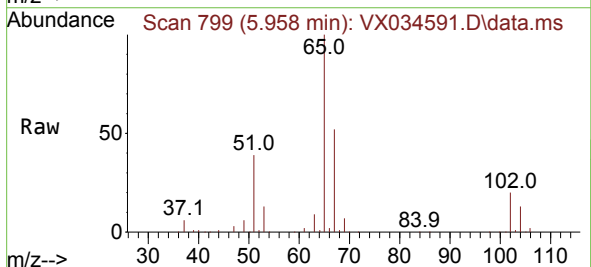
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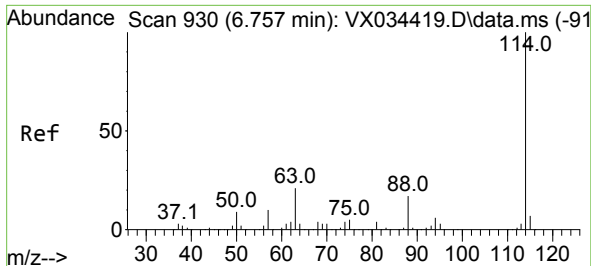
Tgt Ion: 56 Resp: 5378
Ion Ratio Lower Upper
56 100
69 168.2 23.7 35.5#
84 128.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.694 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 65 Resp: 153891
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0

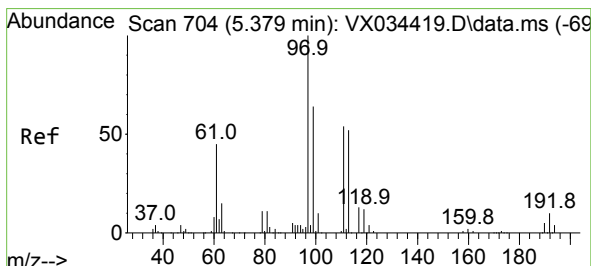
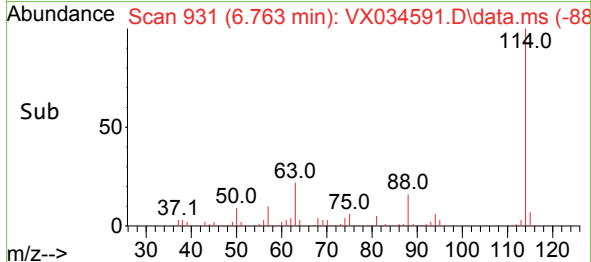
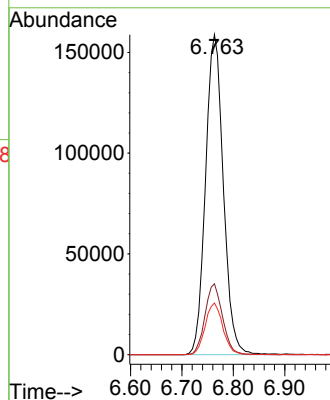
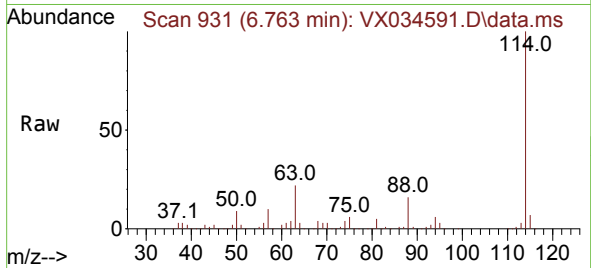




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

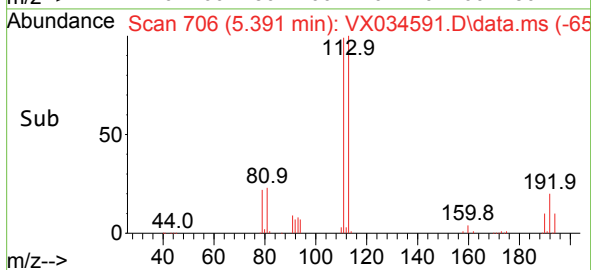
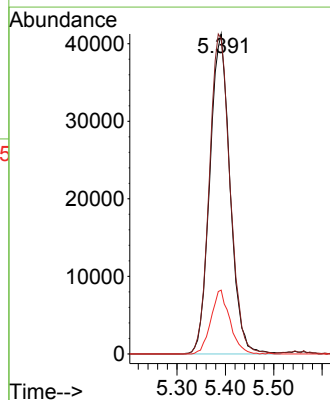
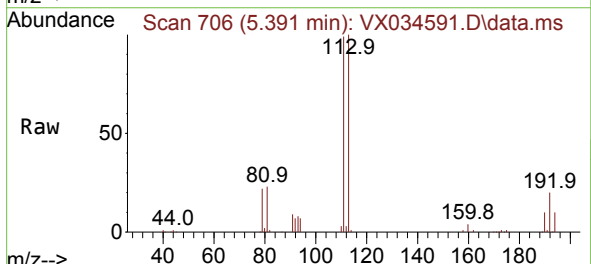
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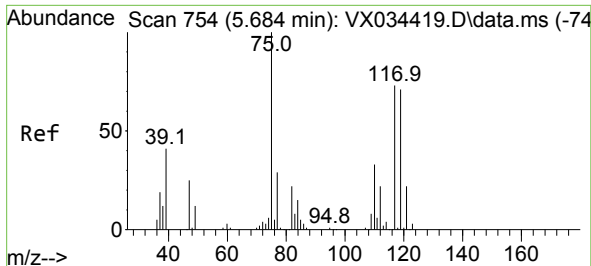
Tgt Ion:114 Resp: 382071
Ion Ratio Lower Upper
114 100
63 22.2 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.478 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

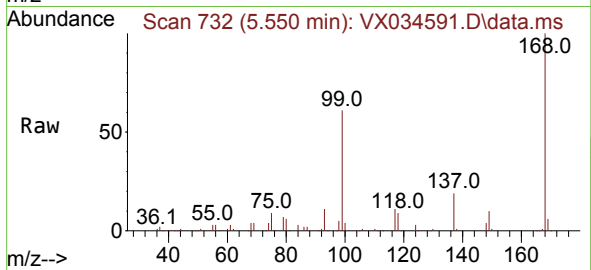
Tgt Ion:113 Resp: 119768
Ion Ratio Lower Upper
113 100
111 102.2 83.7 125.5
192 18.6 15.4 23.2



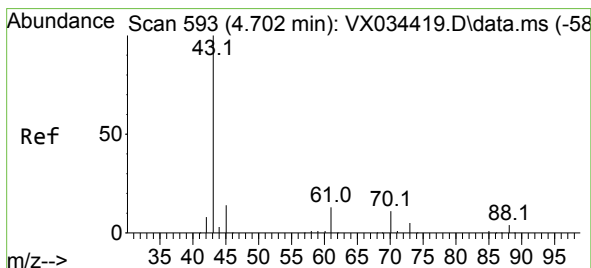
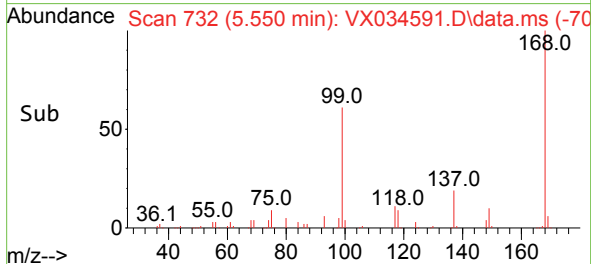
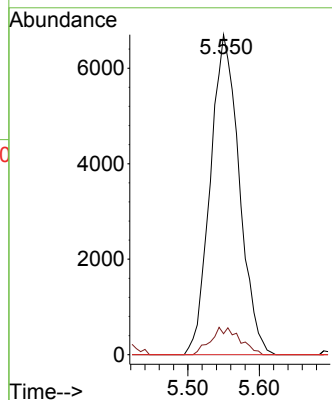


#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

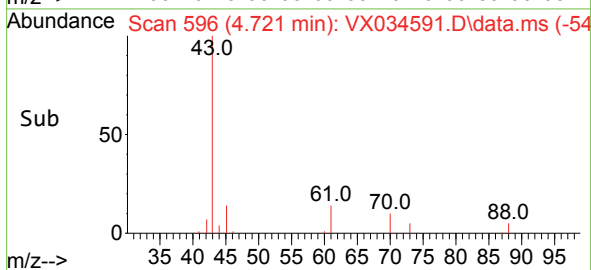
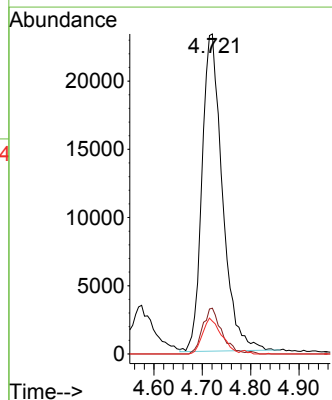
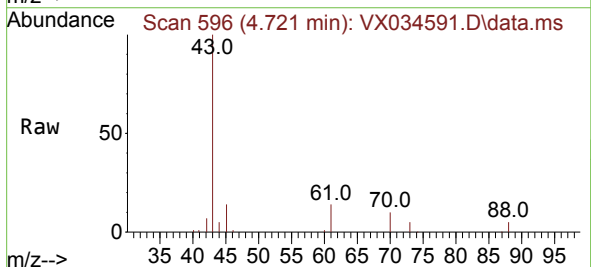


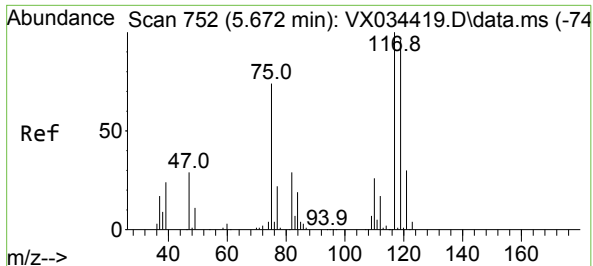
Tgt Ion: 75 Resp: 18837
Ion Ratio Lower Upper
75 100
110 8.6 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 16.127 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

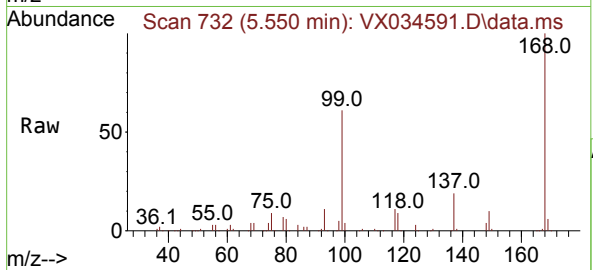
Tgt Ion: 43 Resp: 68263
Ion Ratio Lower Upper
43 100
61 13.4 10.2 15.4
70 10.4 8.2 12.4



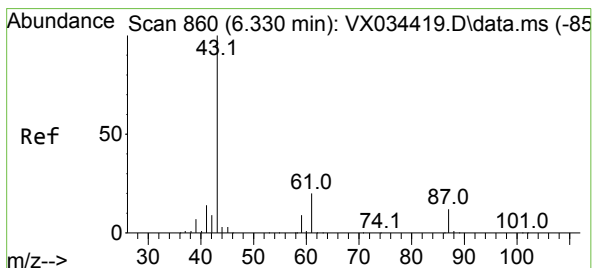
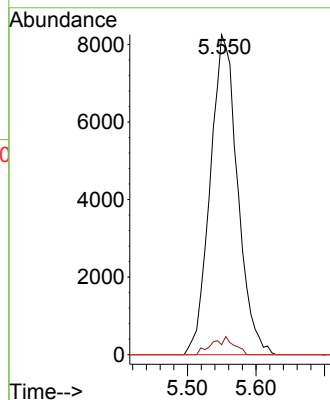
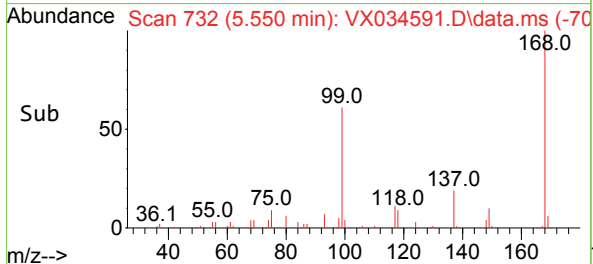


#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

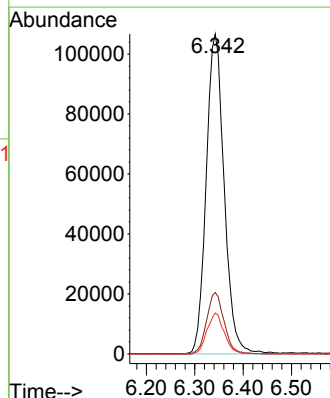
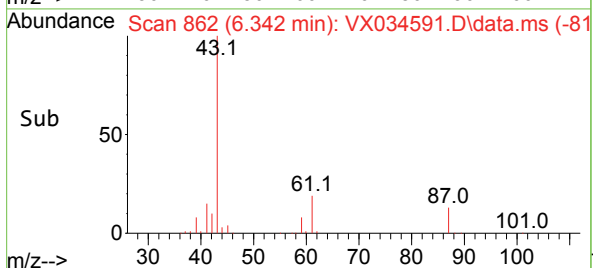
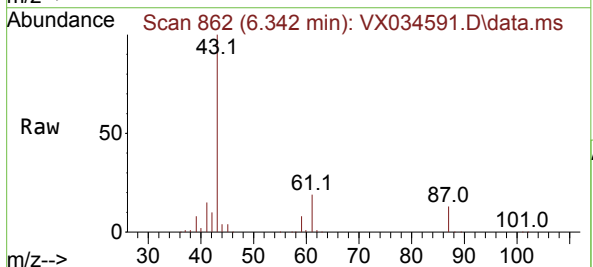


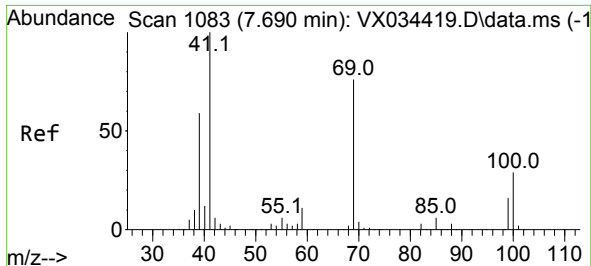
Tgt Ion:117 Resp: 22893
Ion Ratio Lower Upper
117 100
119 3.1 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 38.433 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 43 Resp: 275594
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.2 9.8 14.8

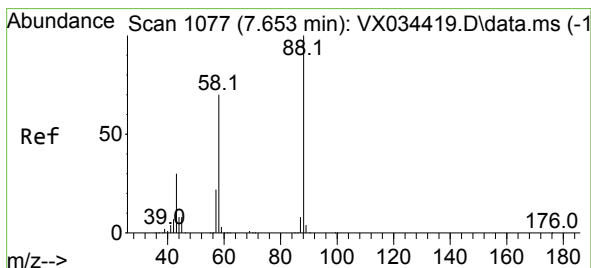
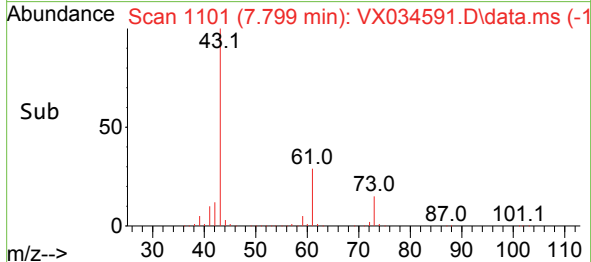
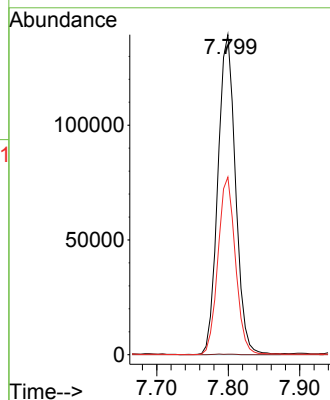
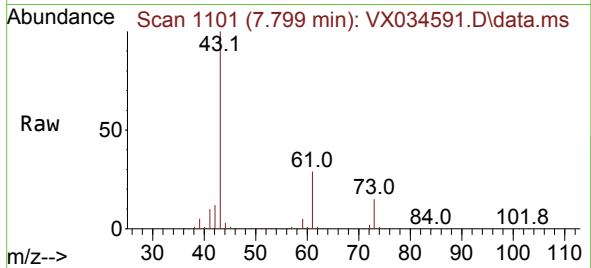




#48
Methyl methacrylate
Concen: 69.227 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

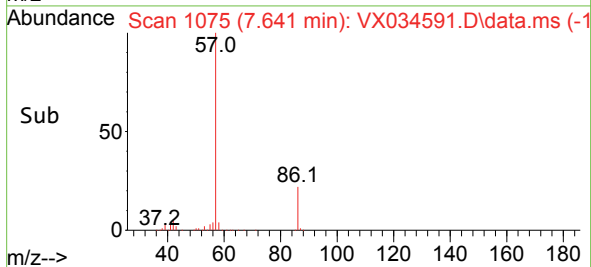
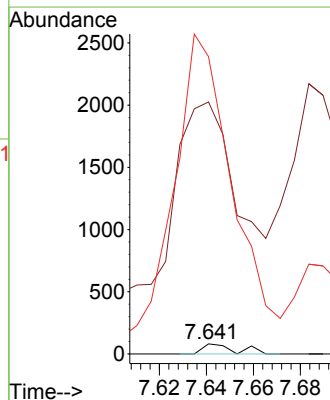
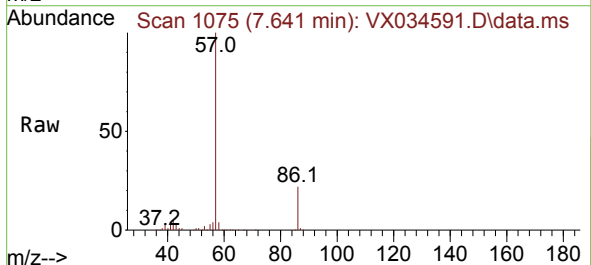
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

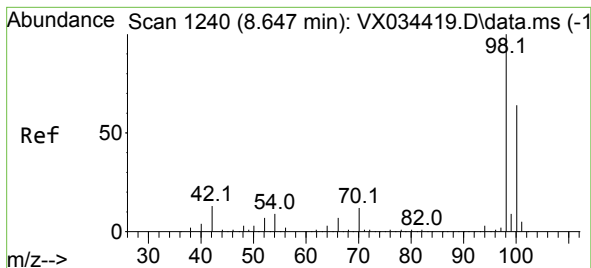
Tgt Ion: 41 Resp: 238747
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.1 47.7 71.5



#49
1,4-Dioxane
Concen: 1.077 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 5888.5 56.8 85.2#





#50

Toluene-d8

Concen: 57.522 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034591.D

Acq: 17 Mar 2023 17:55

Instrument :

MSVOA_X

ClientSampleId :

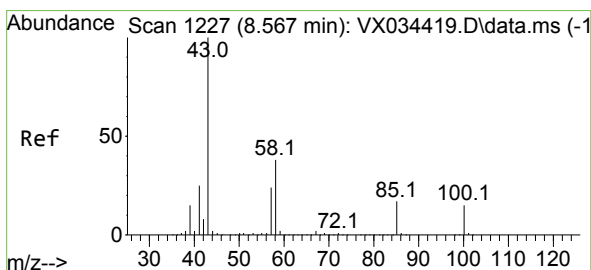
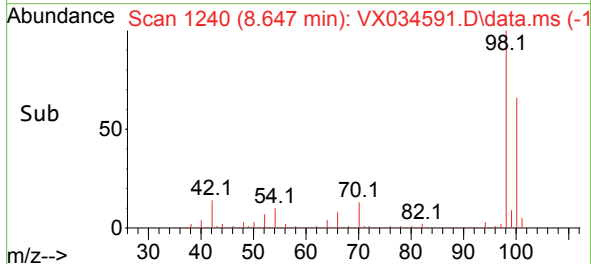
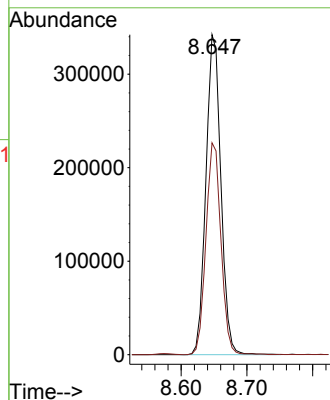
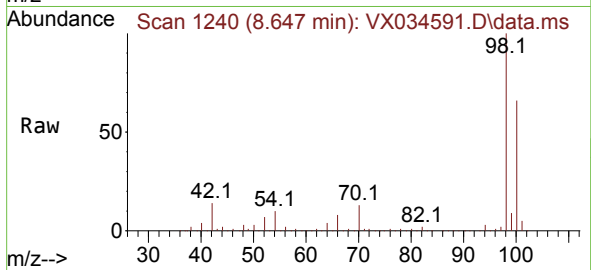
PB151466ZHE#12

Tgt Ion: 98 Resp: 541690

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 61.275 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.018 min

Lab File: VX034591.D

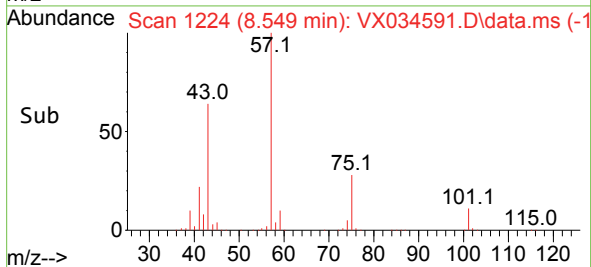
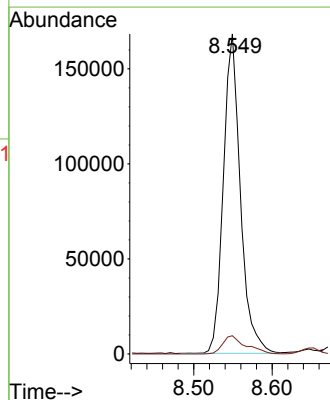
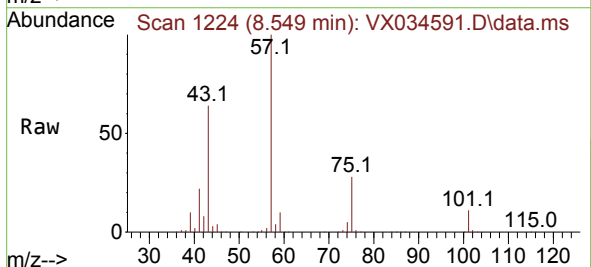
Acq: 17 Mar 2023 17:55

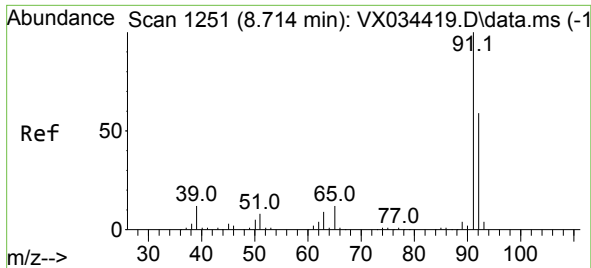
Tgt Ion: 43 Resp: 254891

Ion Ratio Lower Upper

43 100

58 7.8 30.6 46.0#

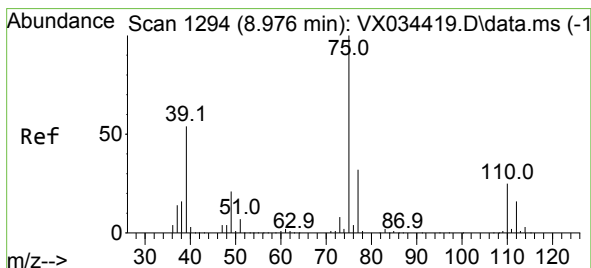
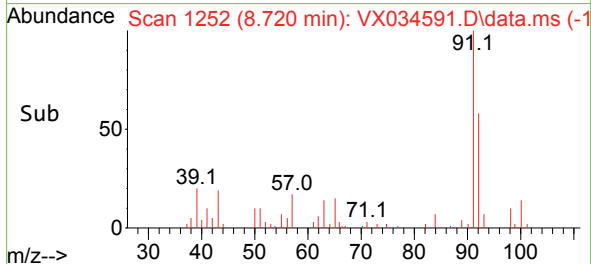
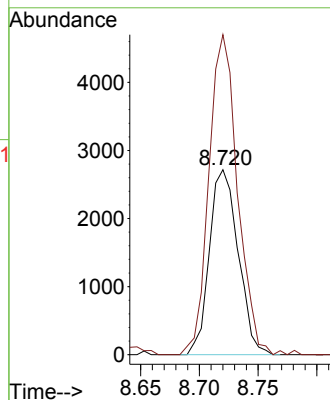
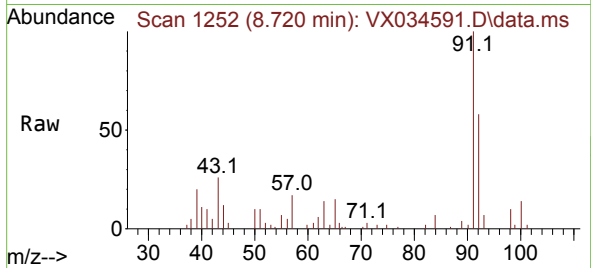




#52
Toluene
Concen: 0.660 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

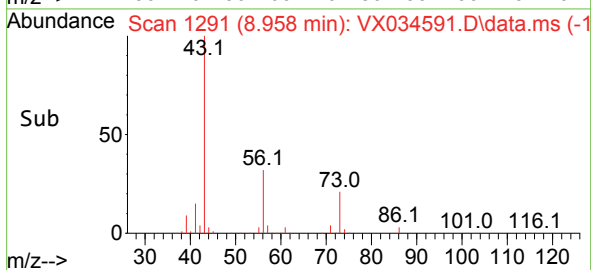
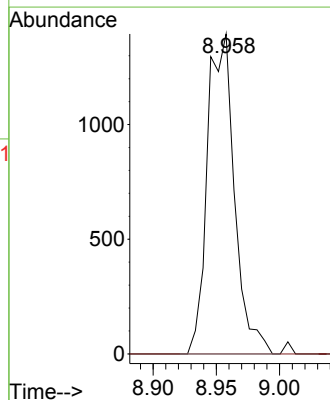
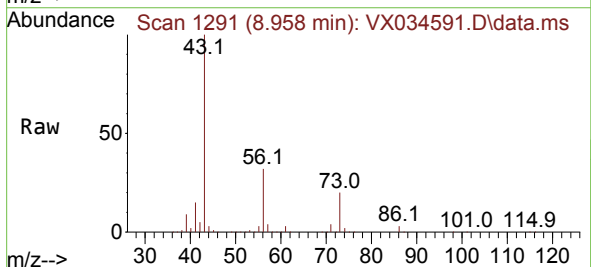
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

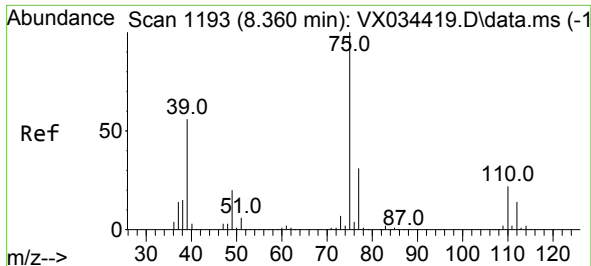
Tgt Ion: 92 Resp: 4629
Ion Ratio Lower Upper
92 100
91 172.9 136.8 205.2



#53
t-1,3-Dichloropropene
Concen: 0.473 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 75 Resp: 2074
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

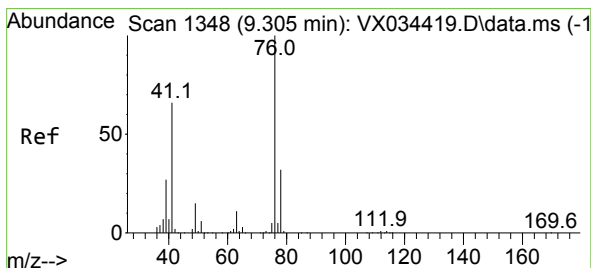
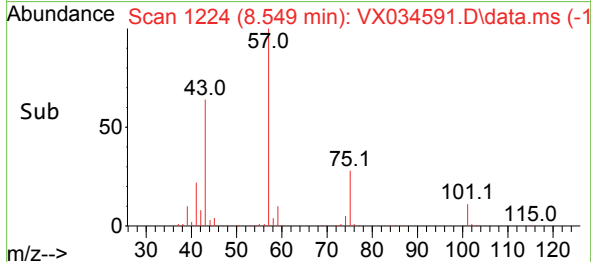
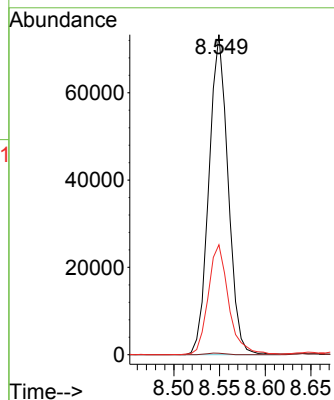
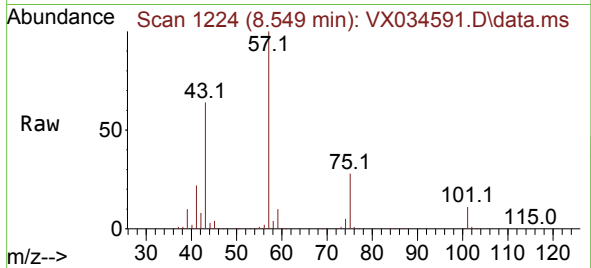




#54
 cis-1,3-Dichloropropene
 Concen: 22.463 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034591.D
 Acq: 17 Mar 2023 17:55

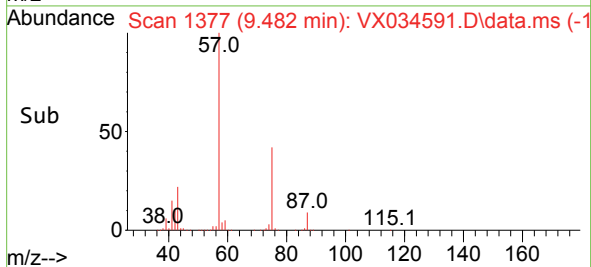
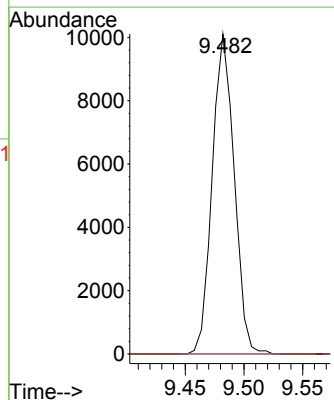
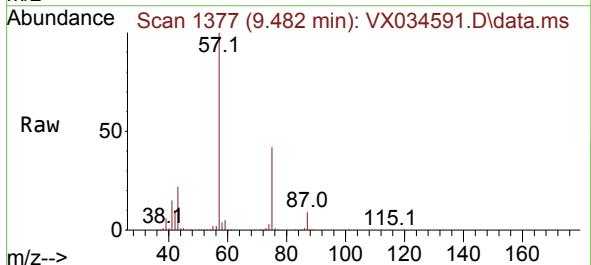
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#12

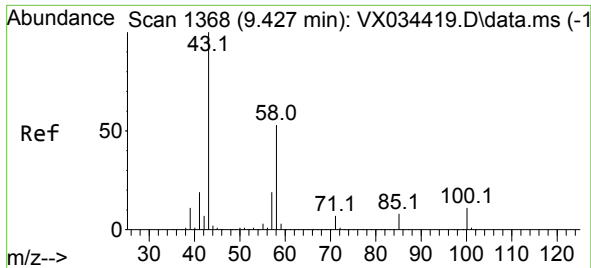
Tgt Ion: 75 Resp: 106616
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 34.3 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.655 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034591.D
 Acq: 17 Mar 2023 17:55

Tgt Ion: 76 Resp: 13140
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

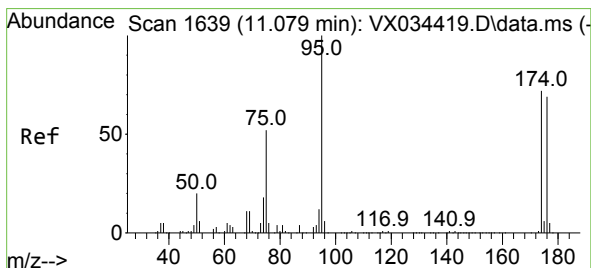
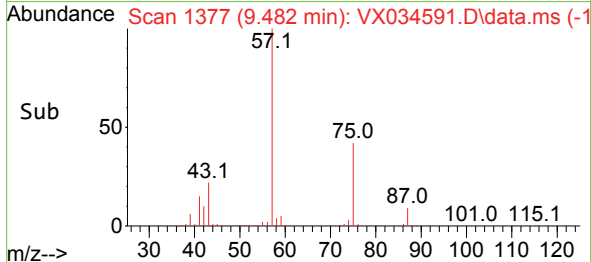
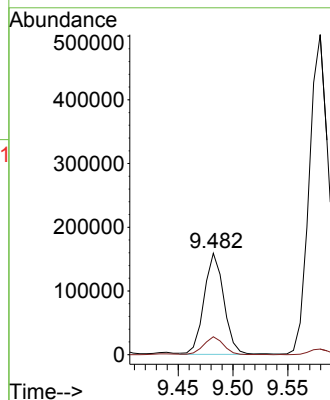
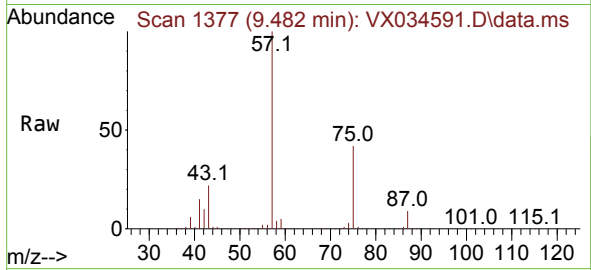




#59
2-Hexanone
Concen: 62.205 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

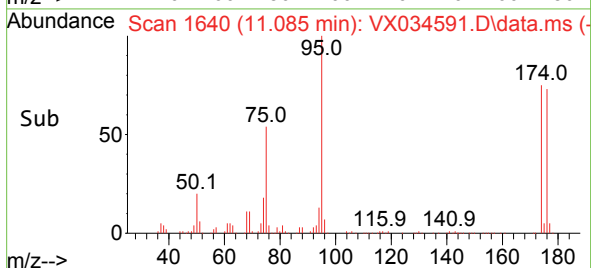
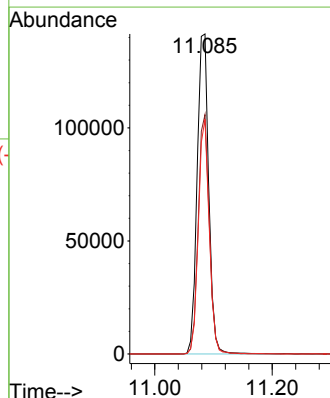
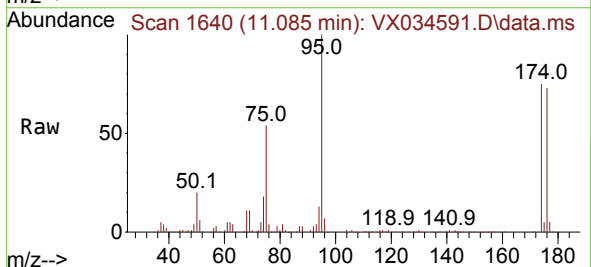
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

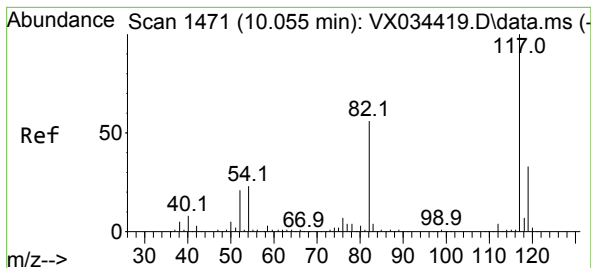
Tgt Ion: 43 Resp: 200026
Ion Ratio Lower Upper
43 100
58 18.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 50.870 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion: 95 Resp: 193497
Ion Ratio Lower Upper
95 100
174 71.6 0.0 147.4
176 68.6 0.0 140.6

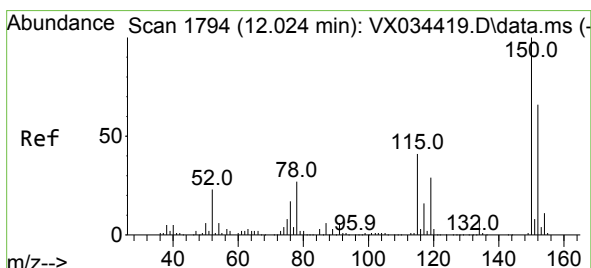
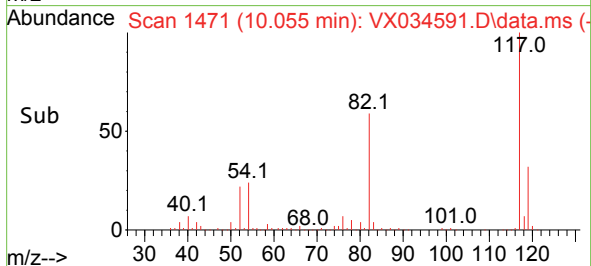
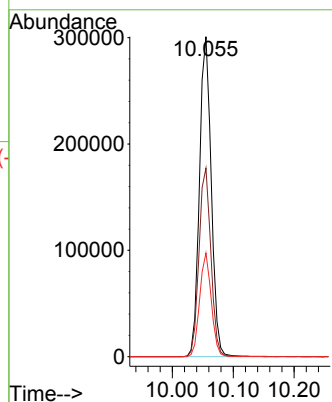
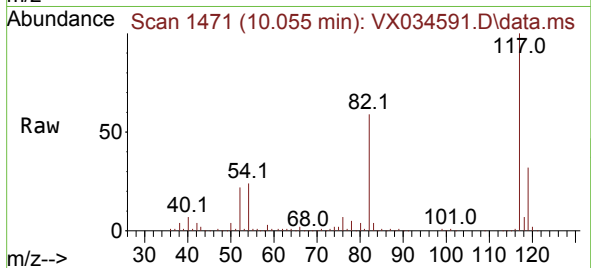




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

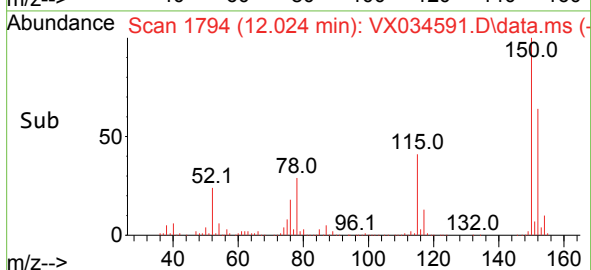
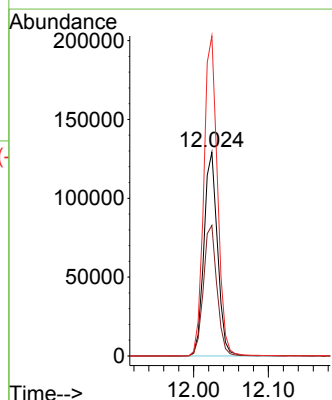
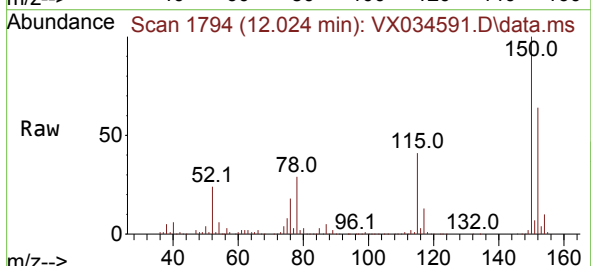
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#12

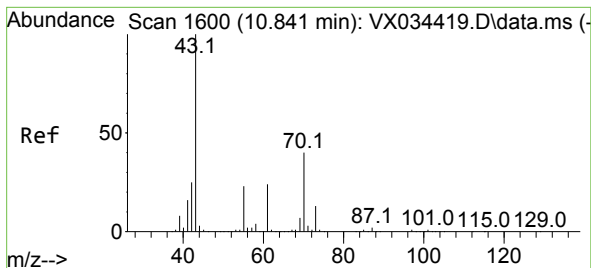
Tgt Ion:117 Resp: 403104
Ion Ratio Lower Upper
117 100
82 58.9 45.0 67.4
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034591.D
Acq: 17 Mar 2023 17:55

Tgt Ion:152 Resp: 162921
Ion Ratio Lower Upper
152 100
115 64.2 45.0 135.0
150 157.9 0.0 352.4





#74

N-amy1 acetate

Concen: 13.660 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034591.D

Acq: 17 Mar 2023 17:55

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#12

Tgt Ion: 43 Resp: 82382

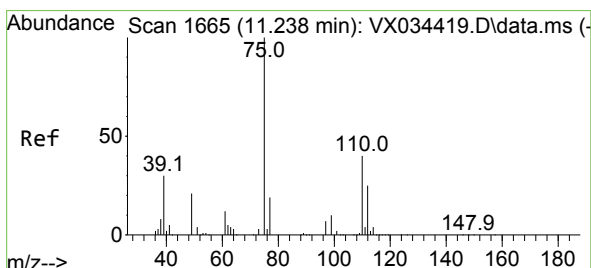
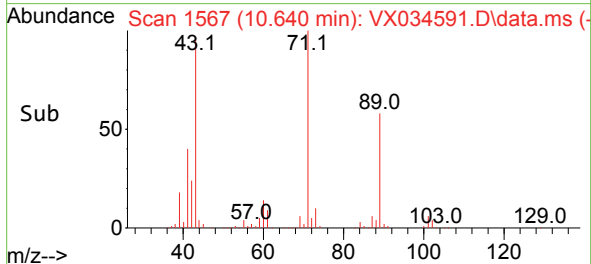
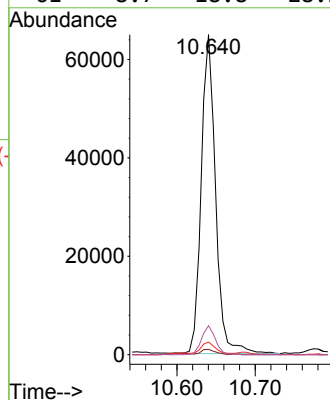
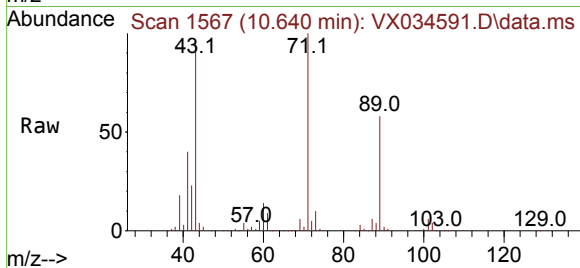
Ion Ratio Lower Upper

43 100

70 1.7 32.1 48.1#

55 5.0 18.3 27.5#

61 8.7 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 28.174 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034591.D

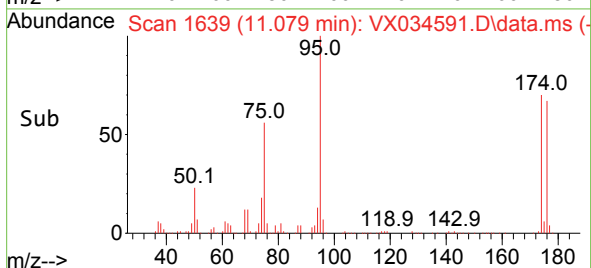
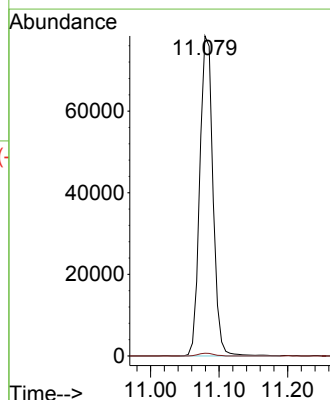
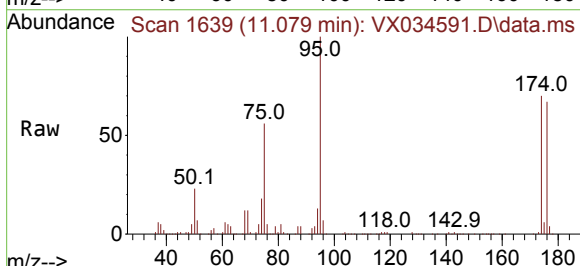
Acq: 17 Mar 2023 17:55

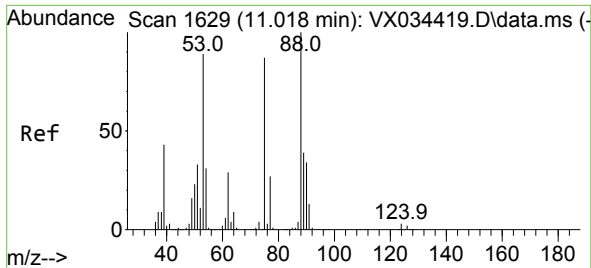
Tgt Ion: 75 Resp: 105395

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.219 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034591.D
 Acq: 17 Mar 2023 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#12

Tgt Ion: 75 Resp: 105395
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

