

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034612.D
 Acq On : 18 Mar 2023 05:17
 Operator : JC/MD
 Sample : 01954-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP5-0316

Quant Time: Mar 20 08:59:55 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)

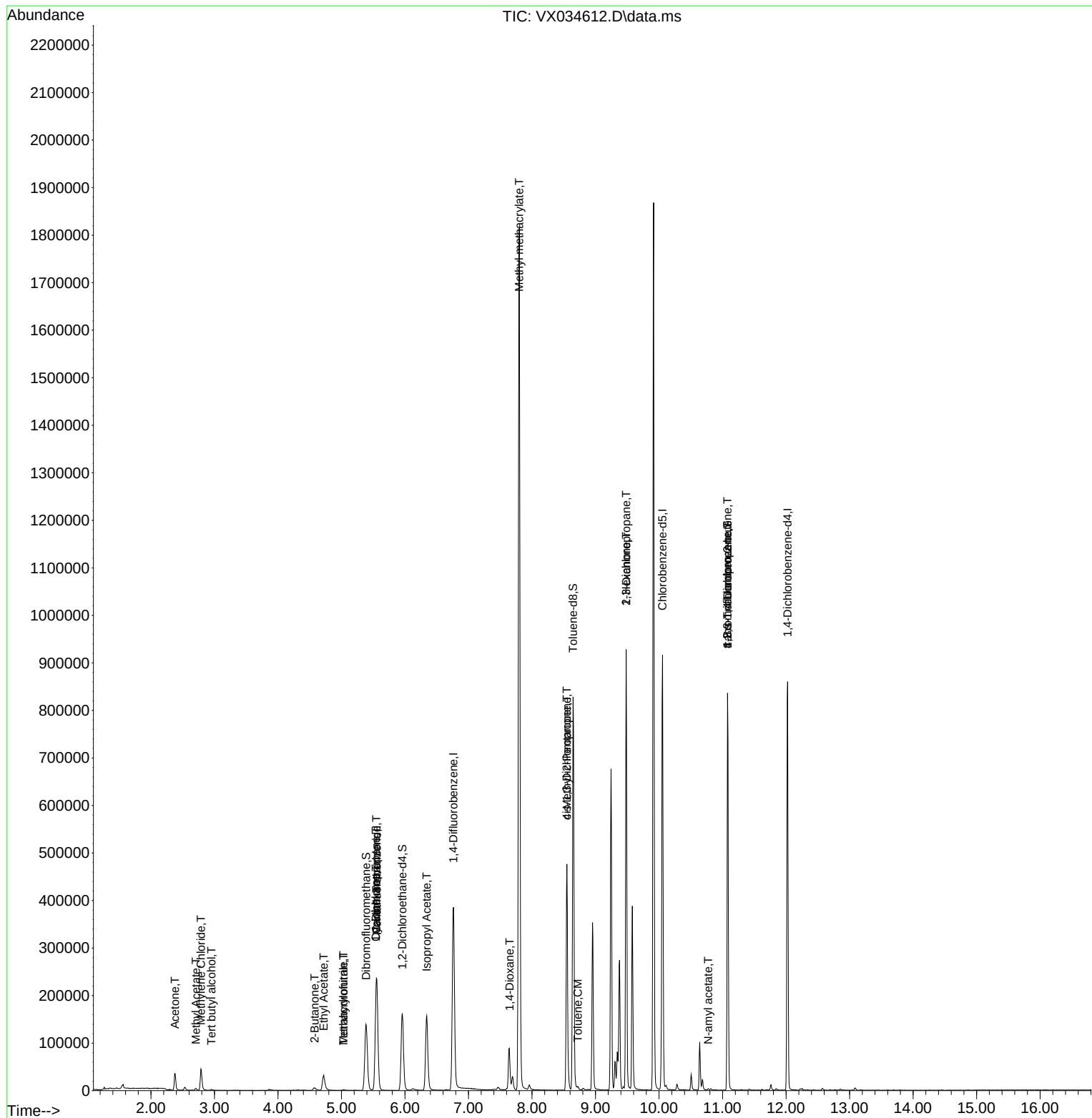
Internal Standards						
1) Pentafluorobenzene	5.556	168	224610	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	385291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	377259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156092	47.769	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.540%		
35) Dibromofluoromethane	5.385	113	120072	47.200	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.400%		
50) Toluene-d8	8.647	98	474806	49.998	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.000%		
62) 4-Bromofluorobenzene	11.079	95	223802	58.345	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.700%		
Target Compounds						Qvalue
3) Chloromethane	1.313	50	423	Below Cal	#	42
11) Tert butyl alcohol	2.953	59	1828	2.686	ug/l	96
16) Acetone	2.380	43	38508	25.018	ug/l	97
18) Methyl Acetate	2.709	43	4700	0.935	ug/l	97
20) Methylene Chloride	2.788	84	20145	6.744	ug/l	90
25) 2-Butanone	4.574	43	11726	5.324	ug/l	95
29) Tetrahydrofuran	5.031	42	903	0.664	ug/l	93
31) Cyclohexane	5.544	56	5507	1.202	ug/l #	25
36) 1,1-Dichloropropene	5.544	75	18829	4.819	ug/l #	50
37) Ethyl Acetate	4.721	43	56724	13.289	ug/l	99
38) Carbon Tetrachloride	5.550	117	22717	5.844	ug/l #	15
41) Methacrylonitrile	5.031	41	493	0.211	ug/l #	50
43) Isopropyl Acetate	6.342	43	219305	30.328	ug/l	99
48) Methyl methacrylate	7.799	41	162880	46.834	ug/l #	47
49) 1,4-Dioxane	7.647	88	84	1.150	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	170637	40.677	ug/l #	50
52) Toluene	8.720	92	1828	0.258	ug/l	98
54) cis-1,3-Dichloropropene	8.549	75	72751	15.200	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	7625	1.528	ug/l #	42
59) 2-Hexanone	9.482	43	113591	35.030	ug/l #	52
74) N-amyl acetate	10.774	43	1414	0.220	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	119760	30.027	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	119760	81.233	ug/l #	8

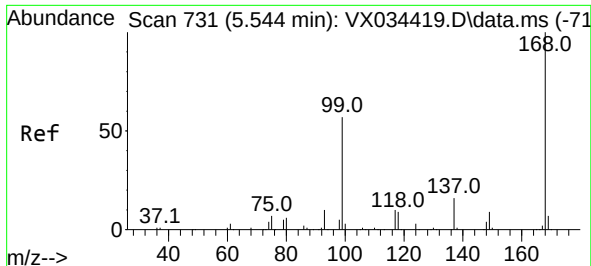
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Mar 20 08:59:55 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

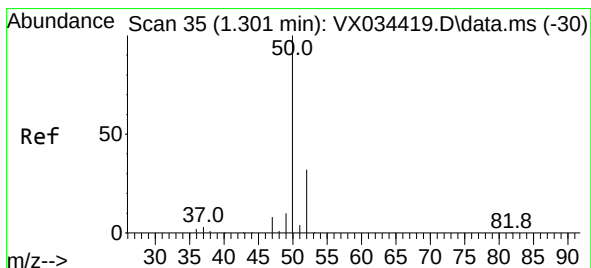
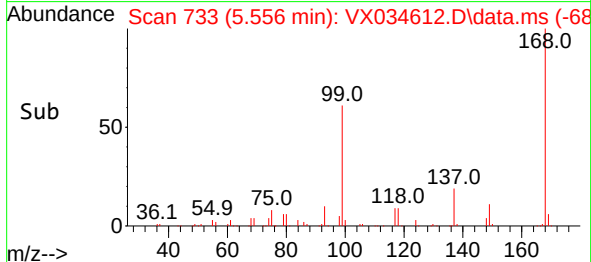
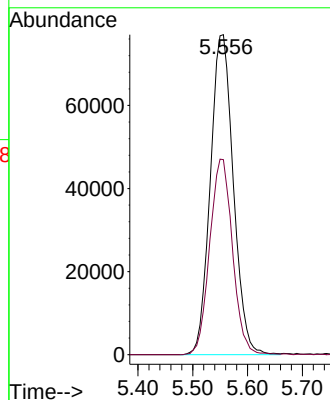
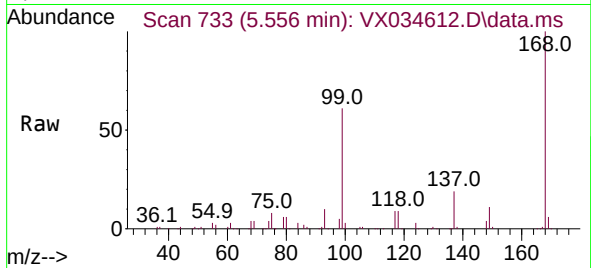




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

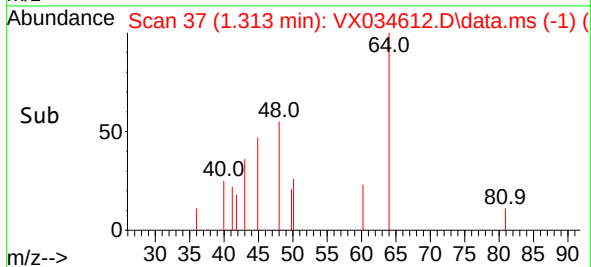
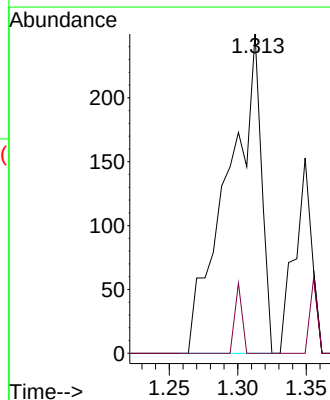
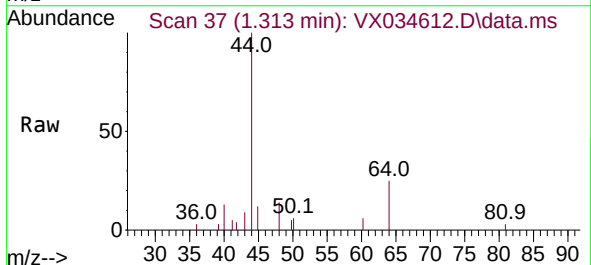
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

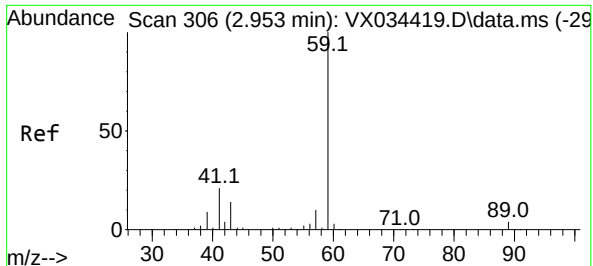
Tgt Ion:168 Resp: 224610
Ion Ratio Lower Upper
168 100
99 60.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

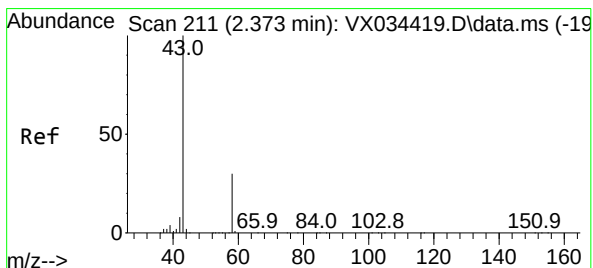
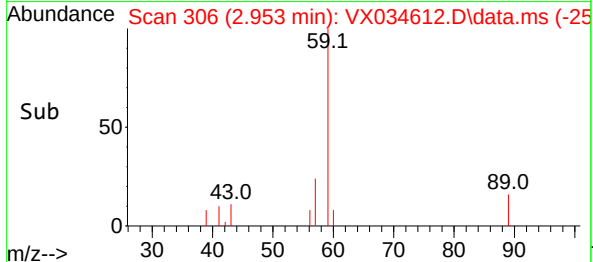
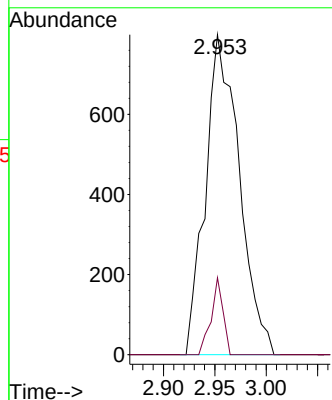
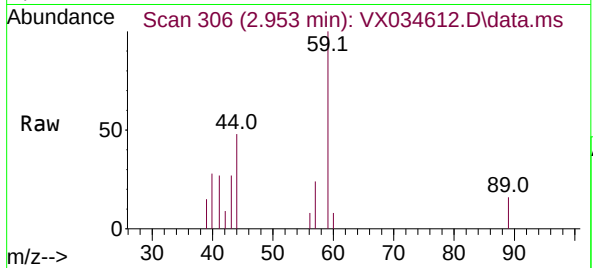




#11
Tert butyl alcohol
Concen: 2.686 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

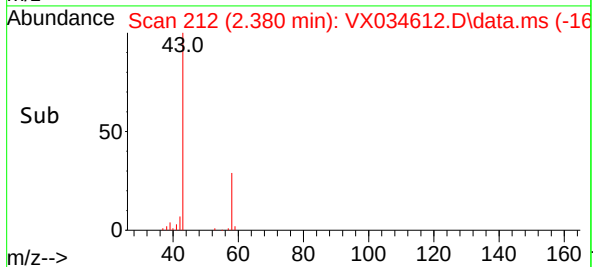
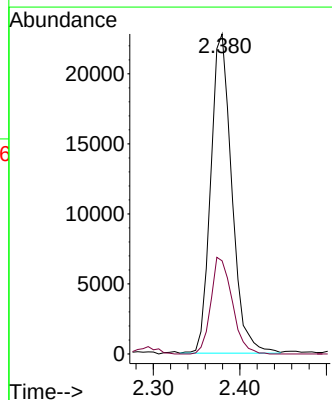
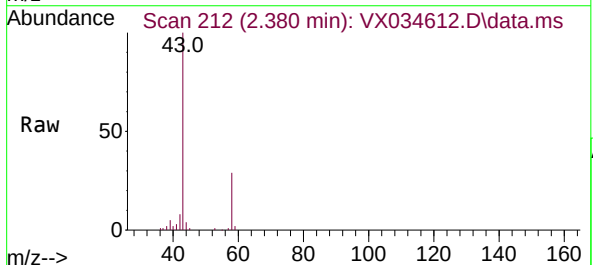
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

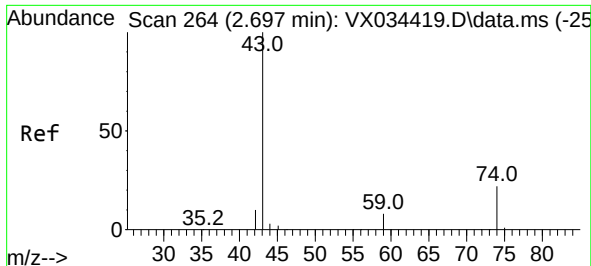
Tgt Ion: 59 Resp: 1828
Ion Ratio Lower Upper
59 100
57 8.5 8.1 12.1



#16
Acetone
Concen: 25.018 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 43 Resp: 38508
Ion Ratio Lower Upper
43 100
58 29.2 24.7 37.1

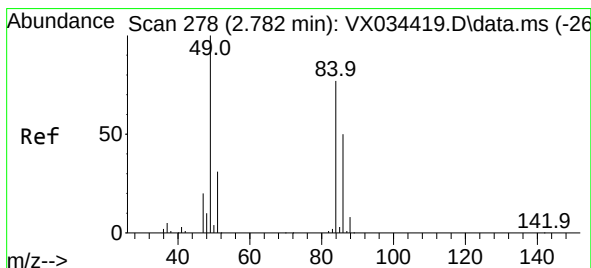
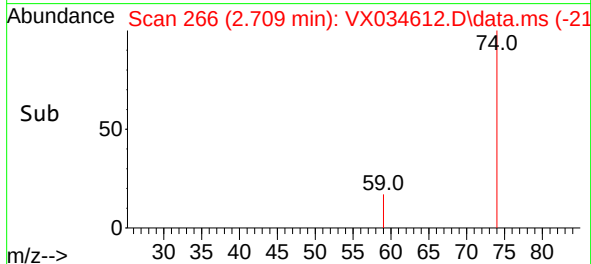
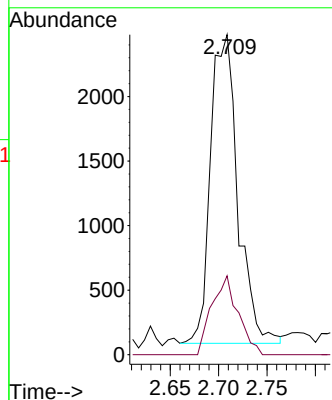
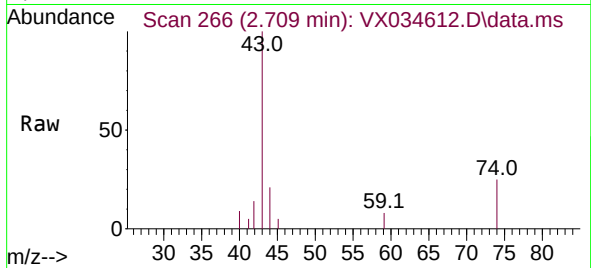




#18
Methyl Acetate
Concen: 0.935 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

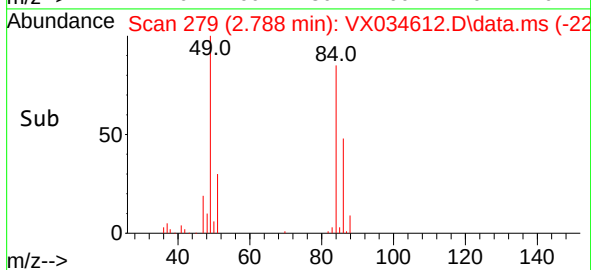
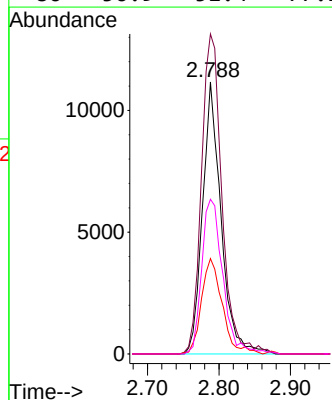
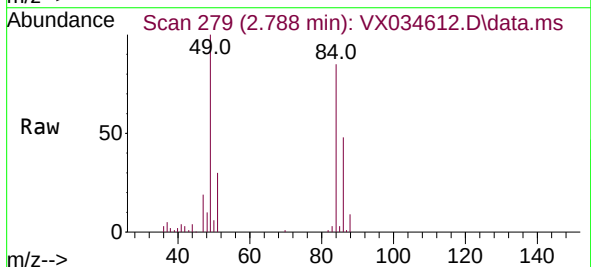
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

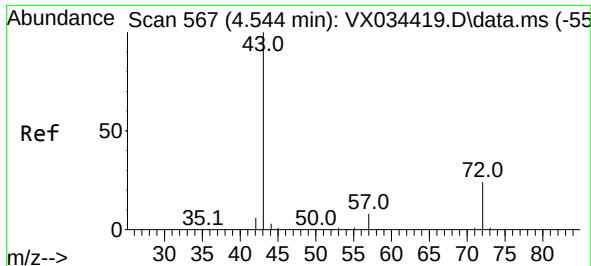
Tgt Ion: 43 Resp: 4700
Ion Ratio Lower Upper
43 100
74 24.6 18.3 27.5



#20
Methylene Chloride
Concen: 6.744 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 84 Resp: 20145
Ion Ratio Lower Upper
84 100
49 117.6 103.8 155.8
51 35.0 31.8 47.8
86 56.9 51.4 77.2

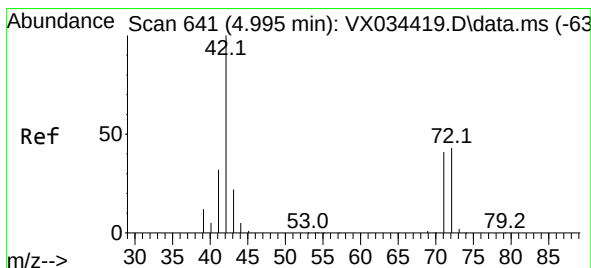
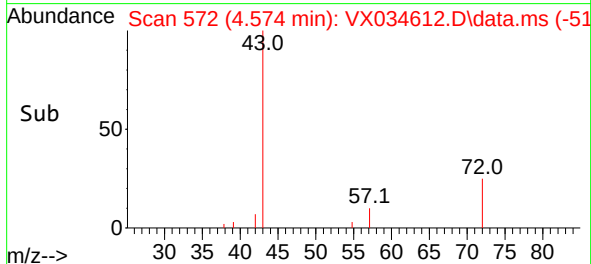
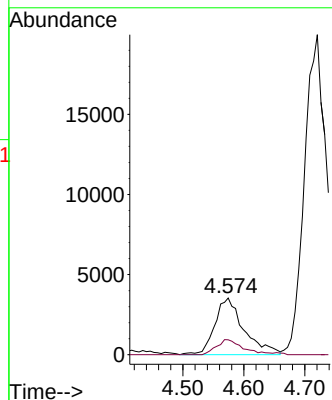
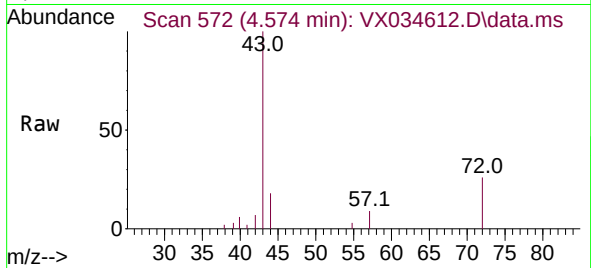




#25
2-Butanone
Concen: 5.324 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

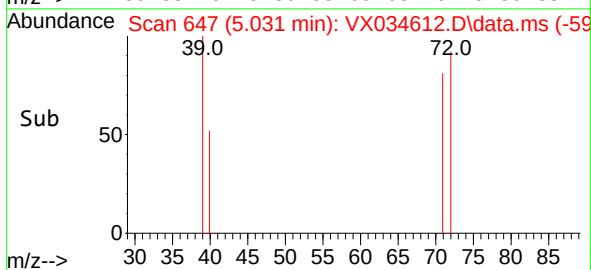
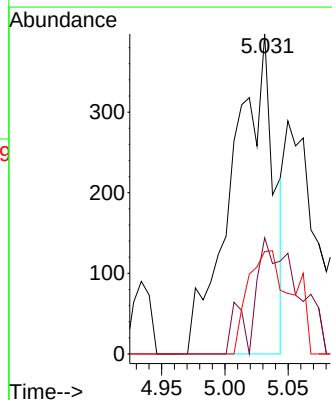
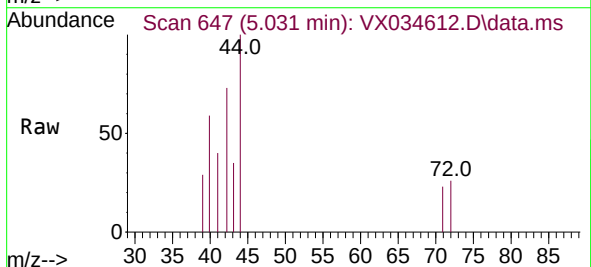
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

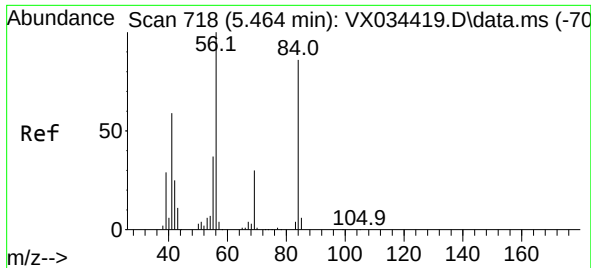
Tgt Ion: 43 Resp: 11726
Ion Ratio Lower Upper
43 100
72 26.4 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.664 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 42 Resp: 903
Ion Ratio Lower Upper
42 100
72 39.5 34.5 51.7
71 34.2 32.1 48.1

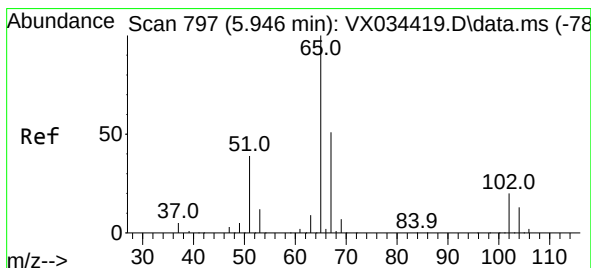
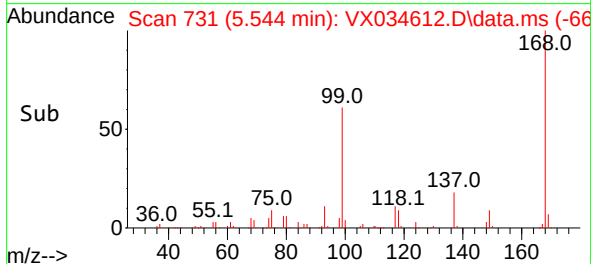
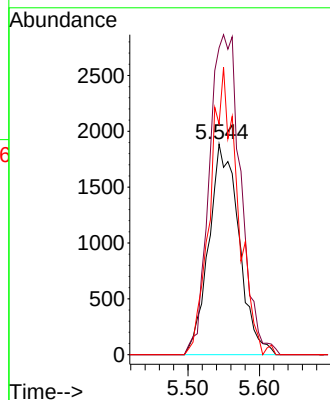
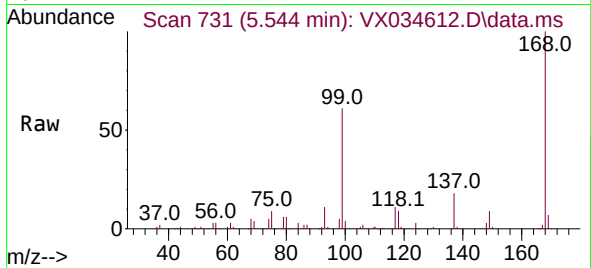




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

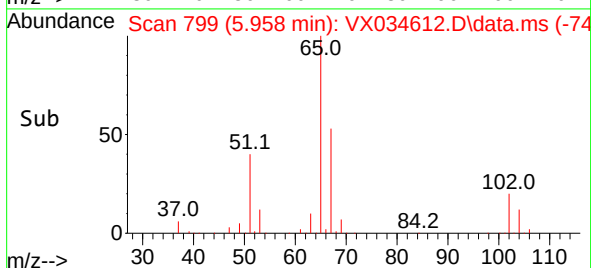
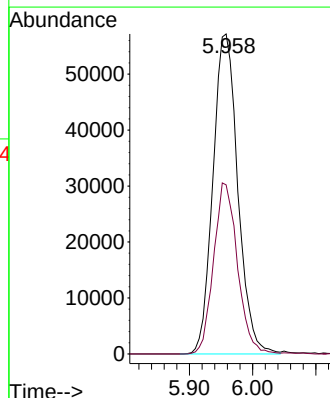
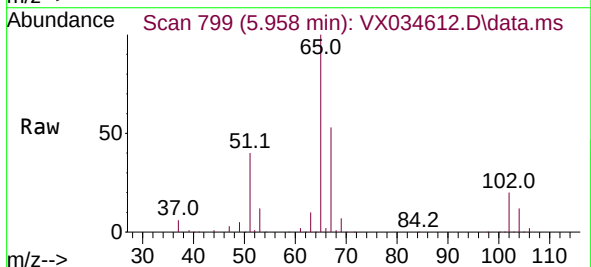
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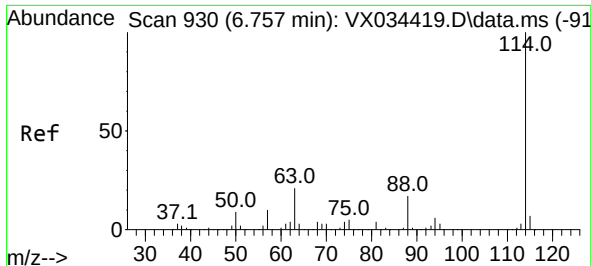
Tgt Ion: 56 Resp: 5507
Ion Ratio Lower Upper
56 100
69 145.7 23.7 35.5#
84 109.5 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.769 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 65 Resp: 156092
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0

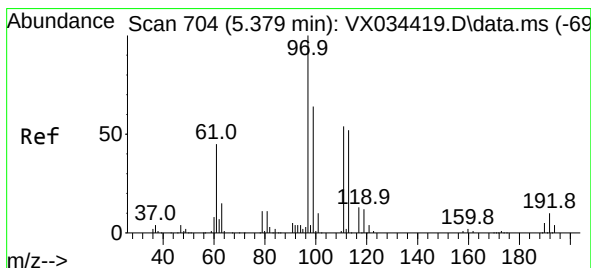
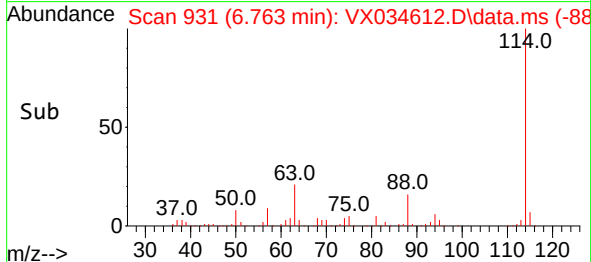
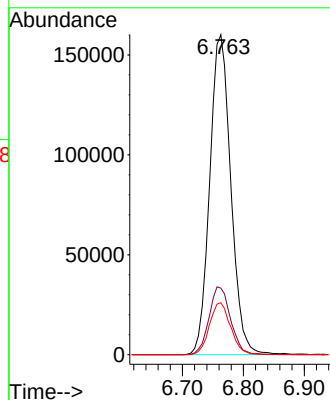
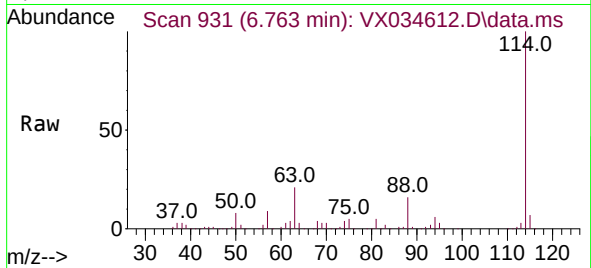




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

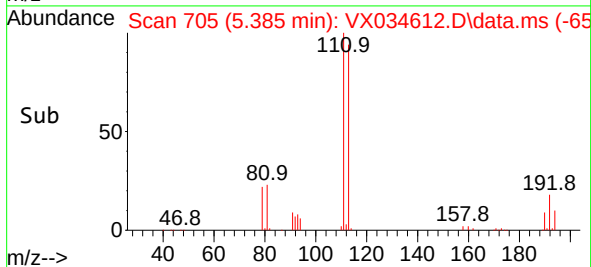
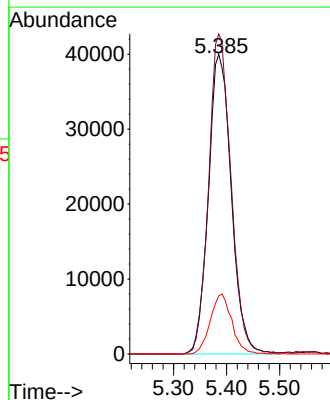
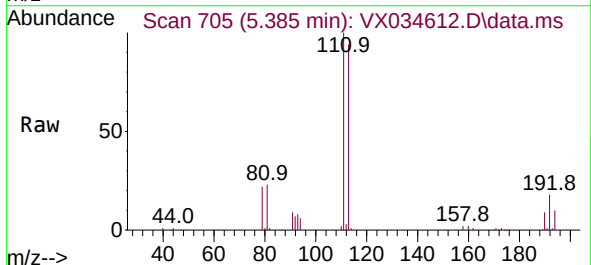
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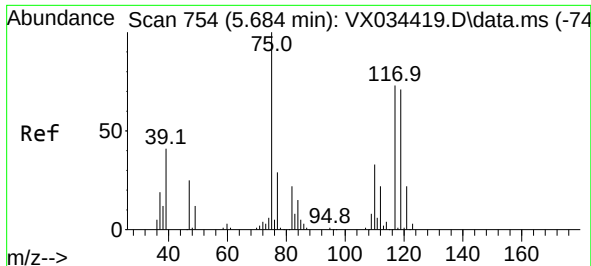
Tgt Ion:114 Resp: 385291
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.200 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion:113 Resp: 120072
Ion Ratio Lower Upper
113 100
111 104.2 83.7 125.5
192 18.8 15.4 23.2

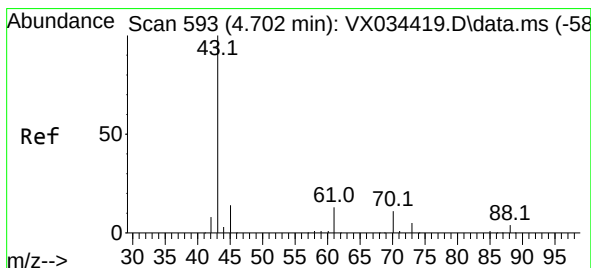
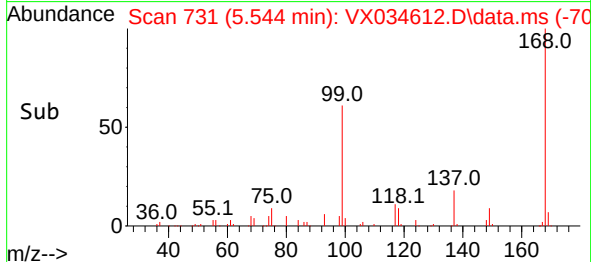
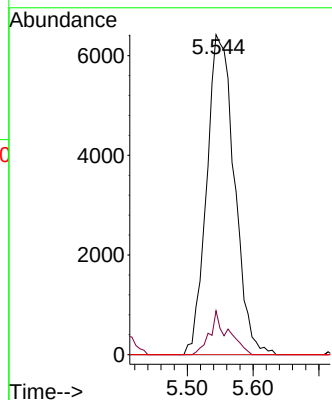
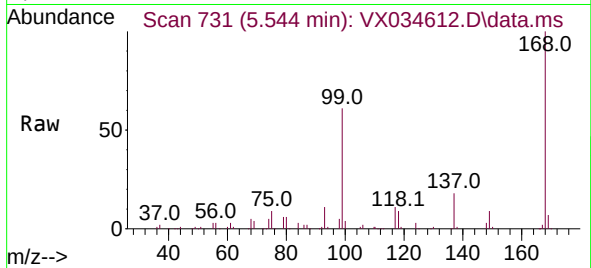




#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

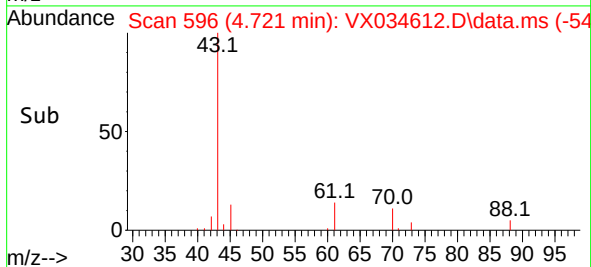
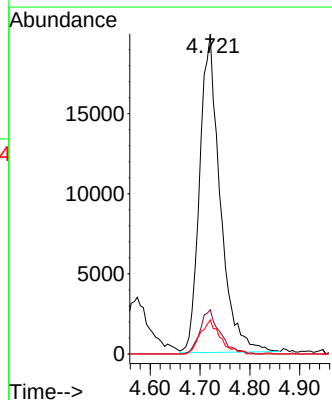
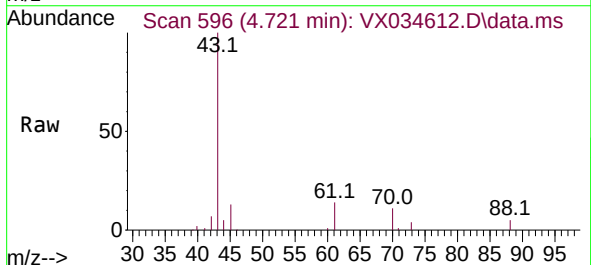
Instrument :
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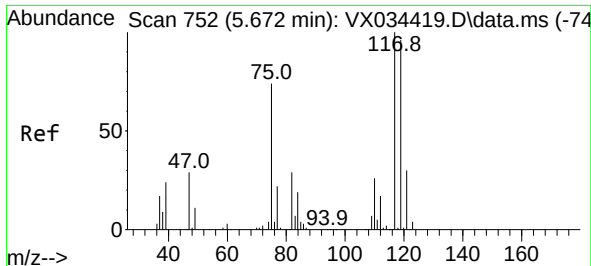
Tgt Ion: 75 Resp: 18829
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 13.289 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

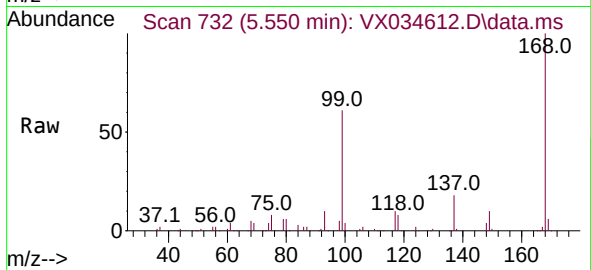
Tgt Ion: 43 Resp: 56724
Ion Ratio Lower Upper
43 100
61 13.4 10.2 15.4
70 10.4 8.2 12.4



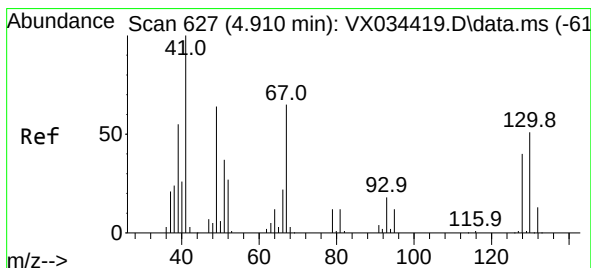
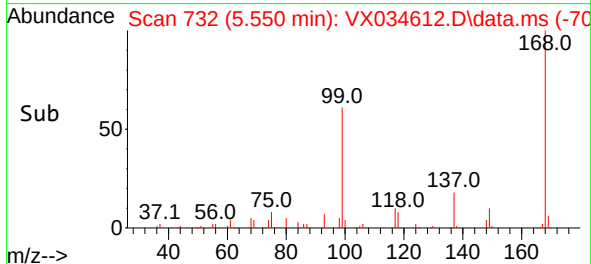
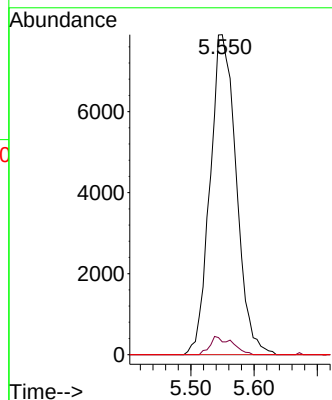


#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

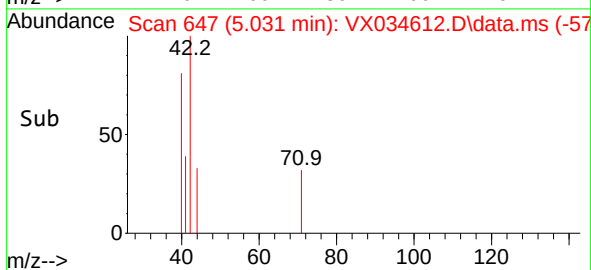
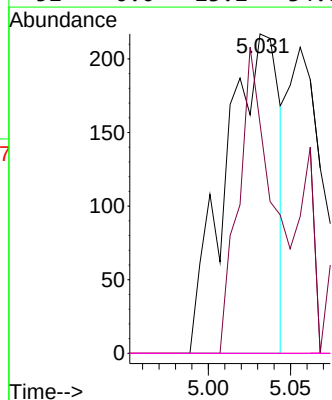
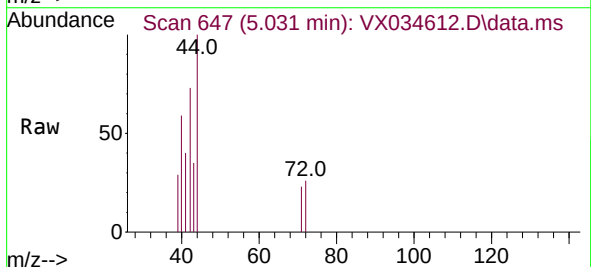


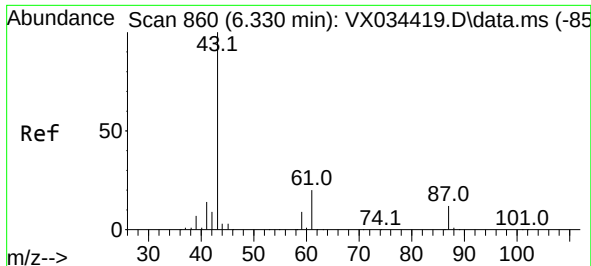
Tgt Ion:117 Resp: 22717
Ion Ratio Lower Upper
117 100
119 4.0 76.6 114.8#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 0.211 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.122 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 41 Resp: 493
Ion Ratio Lower Upper
41 100
39 60.2 45.0 67.6
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#

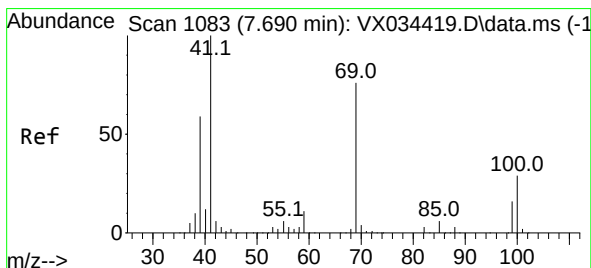
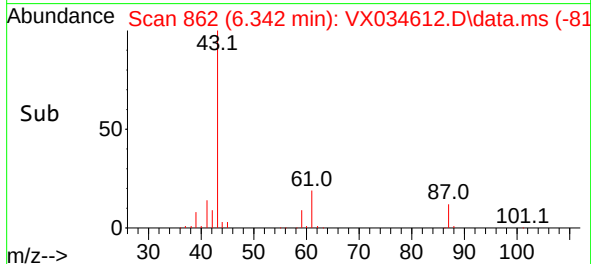
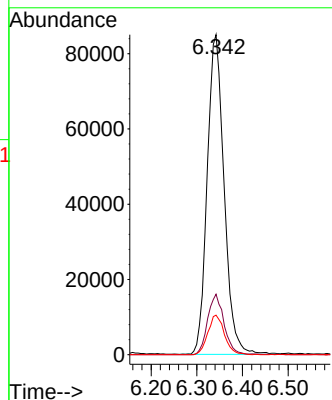
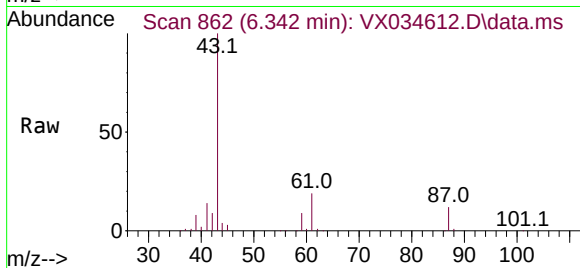




#43
Isopropyl Acetate
Concen: 30.328 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

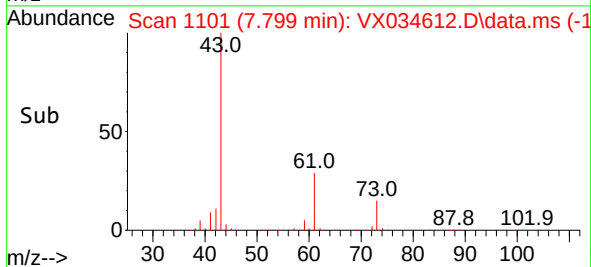
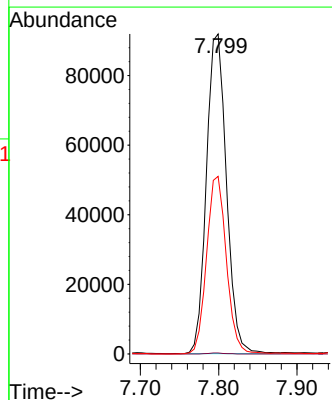
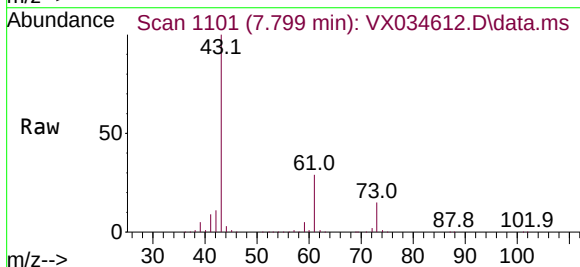
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

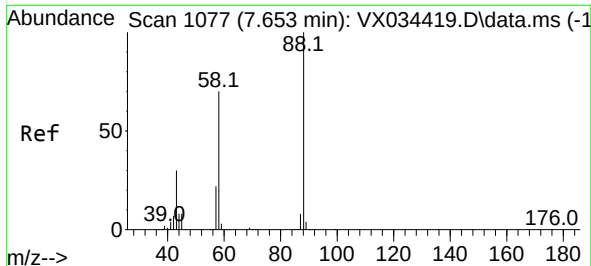
Tgt Ion: 43 Resp: 219305
Ion Ratio Lower Upper
43 100
61 18.3 15.2 22.8
87 12.0 9.8 14.8



#48
Methyl methacrylate
Concen: 46.834 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 41 Resp: 162880
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.0 47.7 71.5





#49

1,4-Dioxane

Concen: 1.150 ug/l

RT: 7.647 min Scan# 1077

Delta R.T. -0.006 min

Lab File: VX034612.D

Acq: 18 Mar 2023 05:17

Instrument :

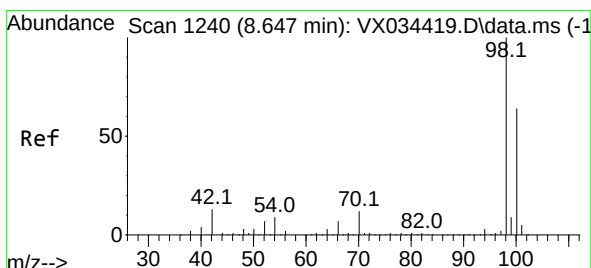
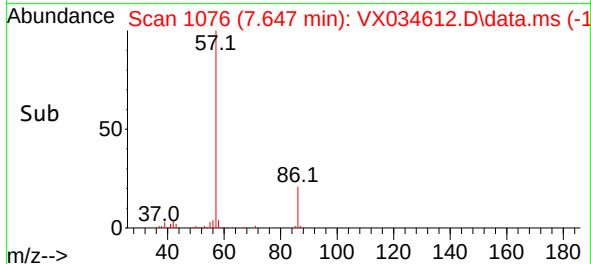
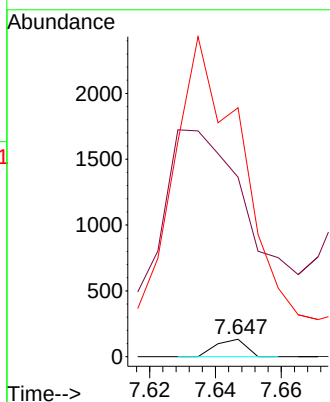
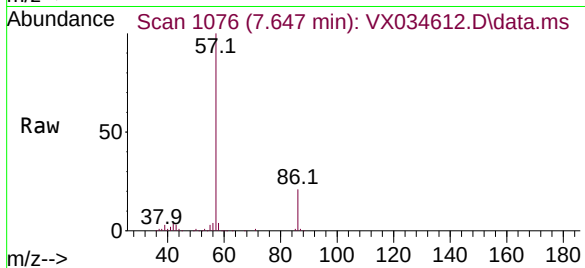
MSVOA_X

ClientSampleId :

SV-TP5-0316

Tgt Ion: 88 Resp: 84

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	4783.3	56.8	85.2#



#50

Toluene-d8

Concen: 49.998 ug/l

RT: 8.647 min Scan# 1240

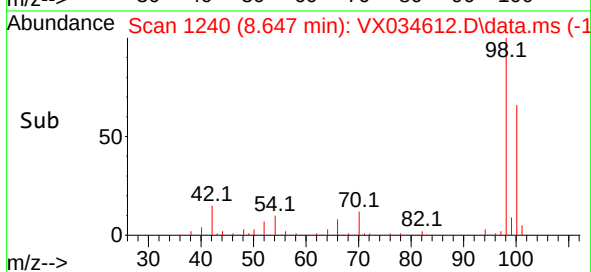
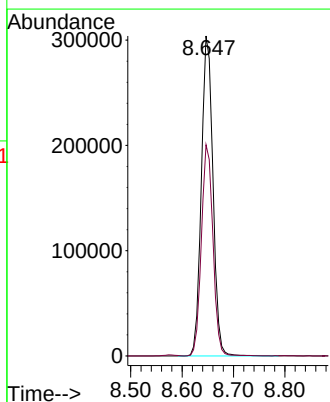
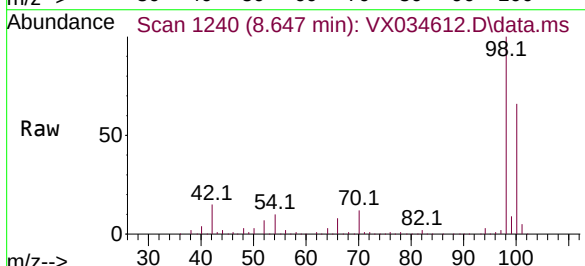
Delta R.T. -0.000 min

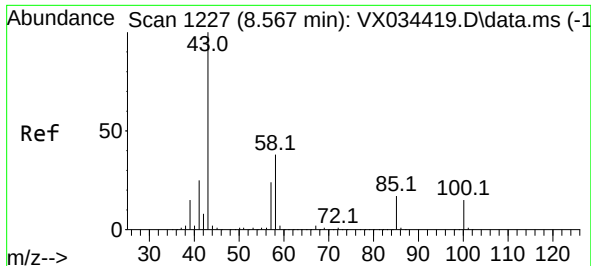
Lab File: VX034612.D

Acq: 18 Mar 2023 05:17

Tgt Ion: 98 Resp: 474806

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.5	78.7

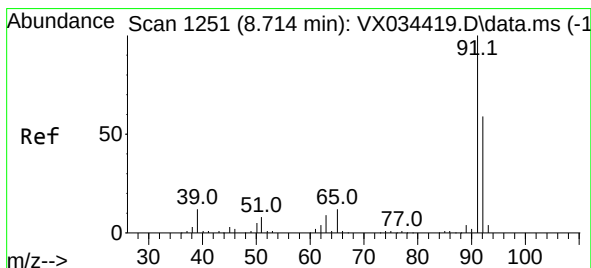
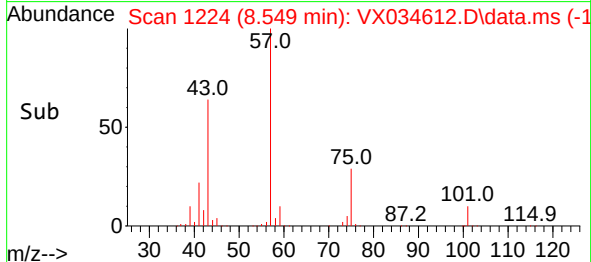
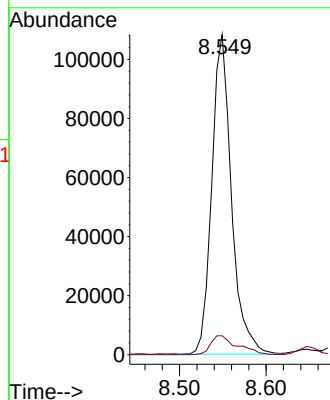
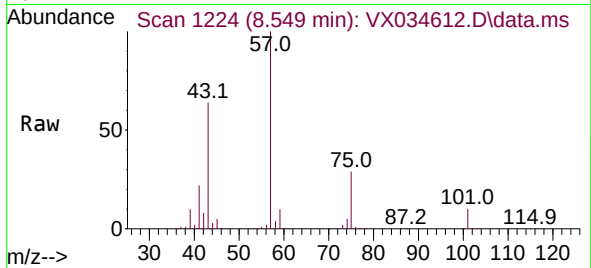




#51
4-Methyl-2-Pentanone
Concen: 40.677 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

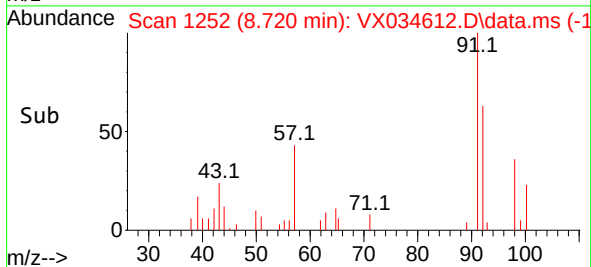
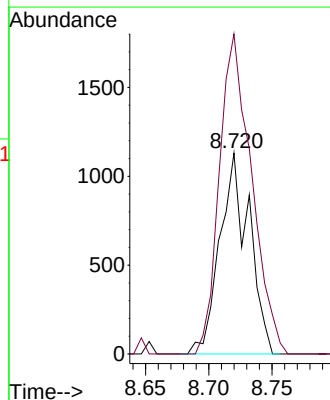
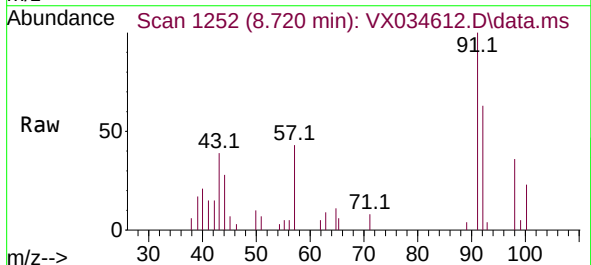
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

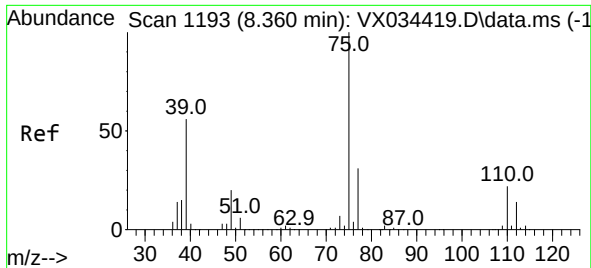
Tgt Ion: 43 Resp: 170637
Ion Ratio Lower Upper
43 100
58 8.1 30.6 46.0#



#52
Toluene
Concen: 0.258 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 92 Resp: 1828
Ion Ratio Lower Upper
92 100
91 174.0 136.8 205.2

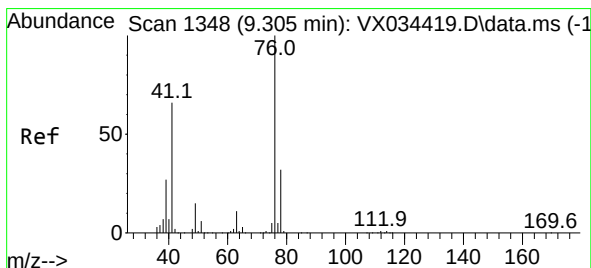
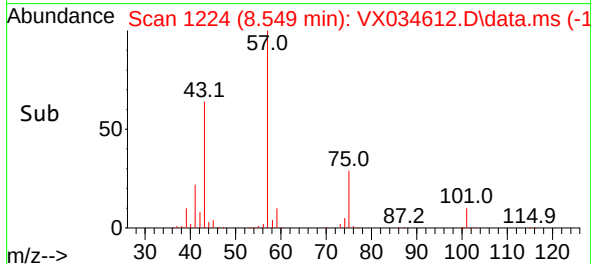
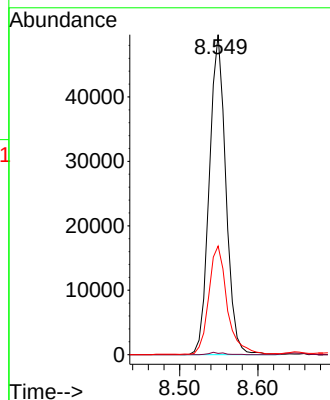
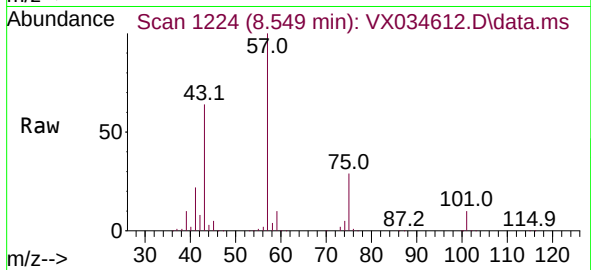




#54
 cis-1,3-Dichloropropene
 Concen: 15.200 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034612.D
 Acq: 18 Mar 2023 05:17

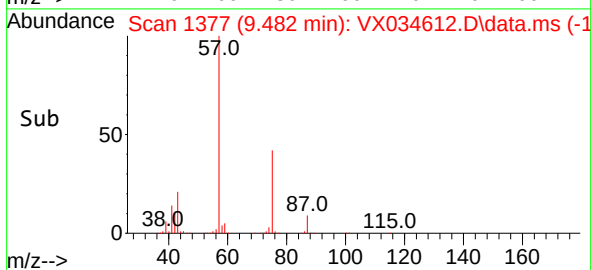
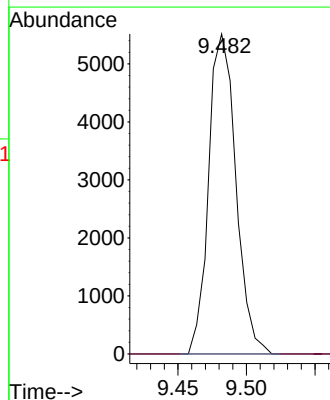
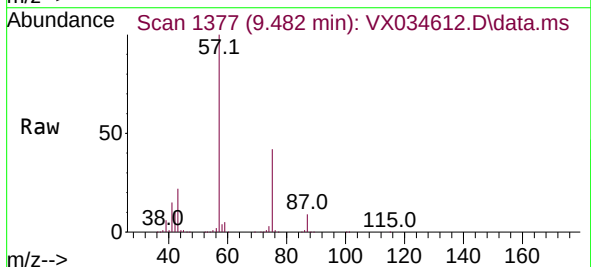
Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP5-0316

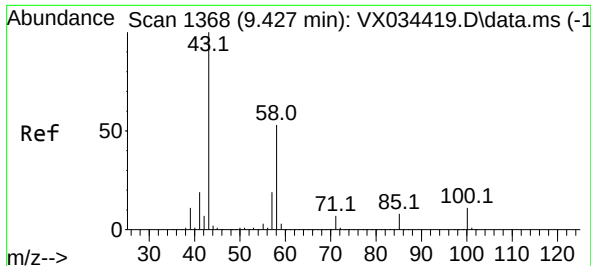
Tgt Ion: 75 Resp: 72751
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 33.9 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.528 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034612.D
 Acq: 18 Mar 2023 05:17

Tgt Ion: 76 Resp: 7625
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 35.030 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX034612.D

Acq: 18 Mar 2023 05:17

Instrument :

MSVOA_X

ClientSampleId :

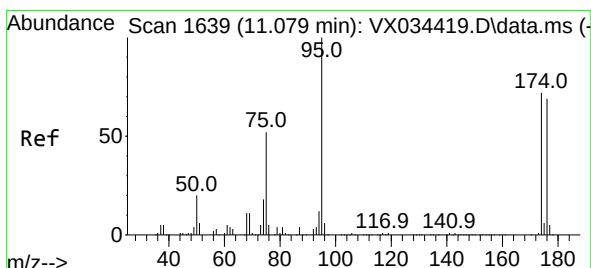
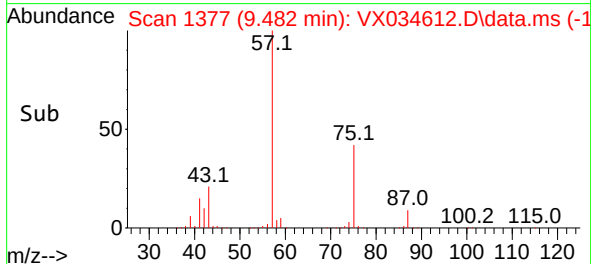
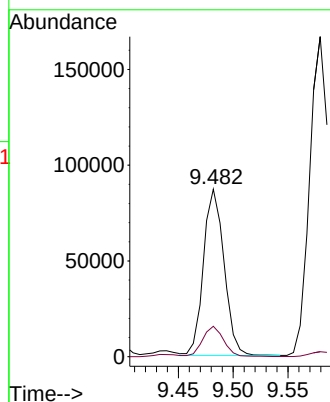
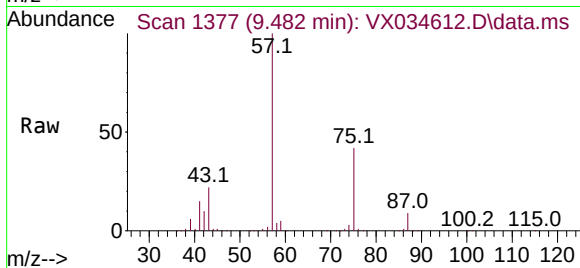
SV-TP5-0316

Tgt Ion: 43 Resp: 113591

Ion Ratio Lower Upper

43 100

58 18.8 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 58.345 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034612.D

Acq: 18 Mar 2023 05:17

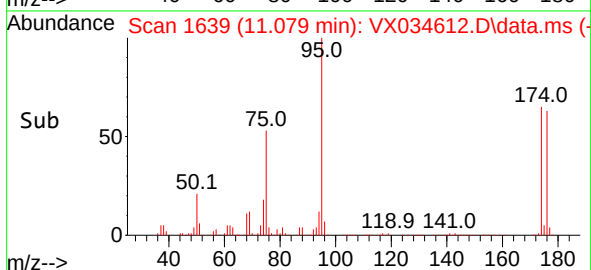
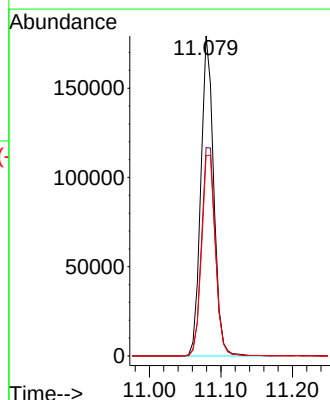
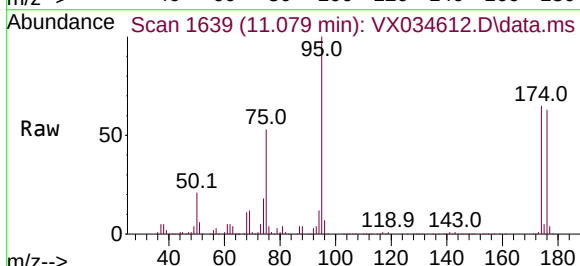
Tgt Ion: 95 Resp: 223802

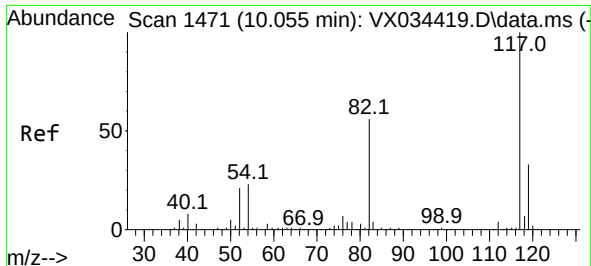
Ion Ratio Lower Upper

95 100

174 70.0 0.0 147.4

176 67.4 0.0 140.6

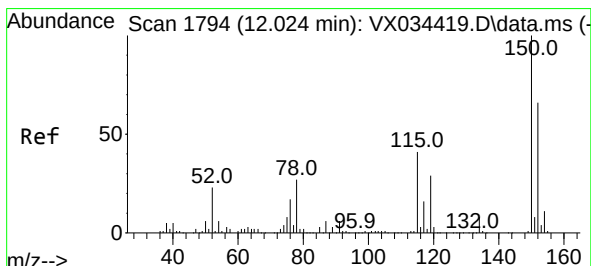
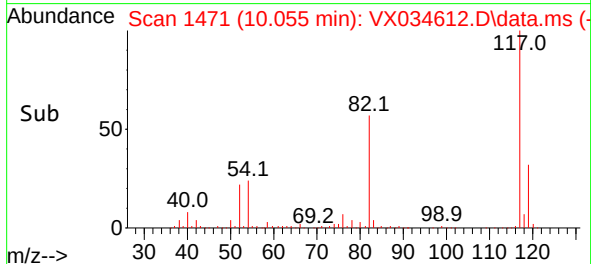
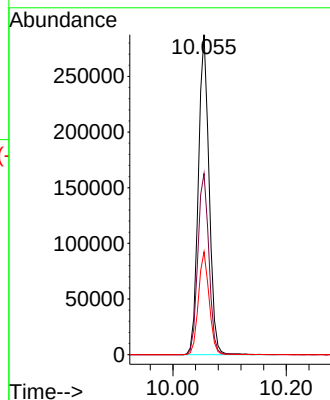
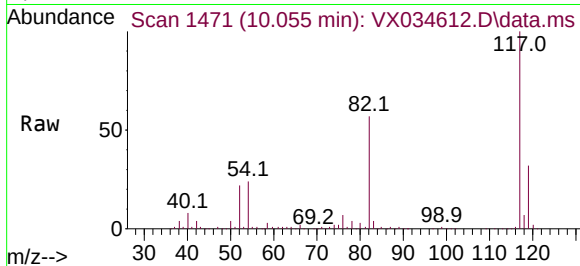




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

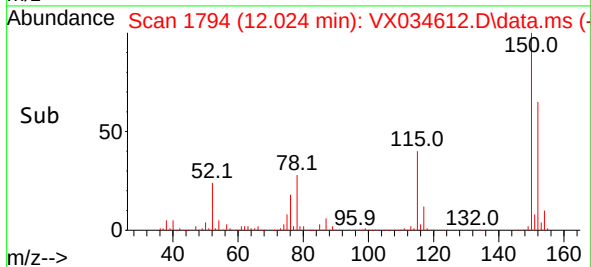
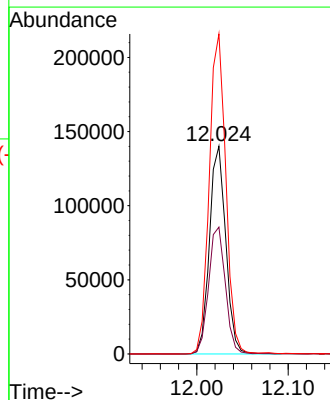
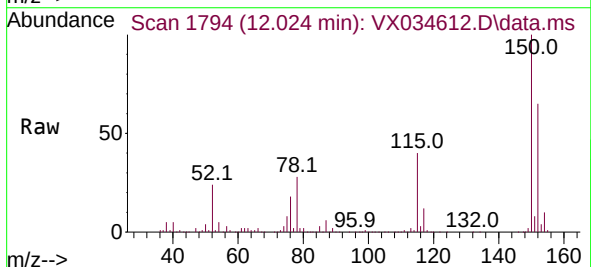
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

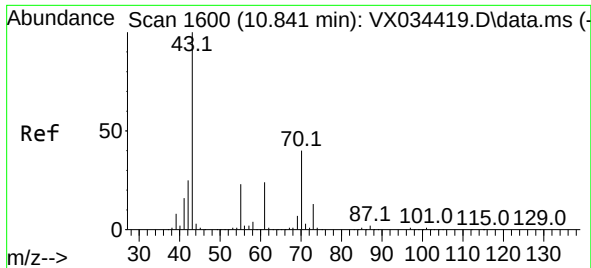
Tgt Ion:117 Resp: 377259
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion:152 Resp: 173700
Ion Ratio Lower Upper
152 100
115 62.8 45.0 135.0
150 156.4 0.0 352.4

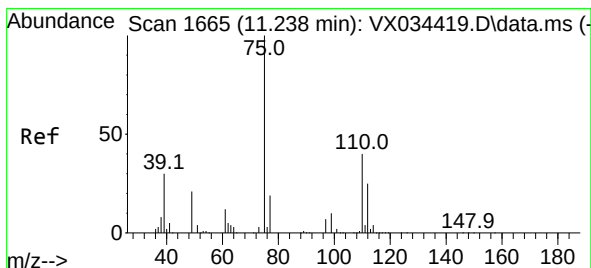
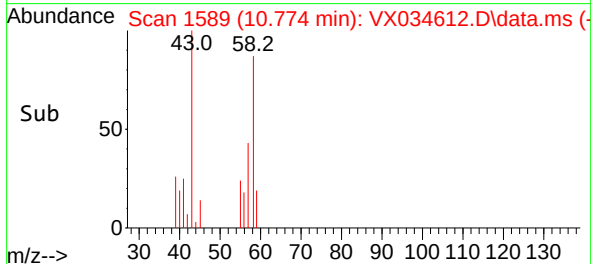
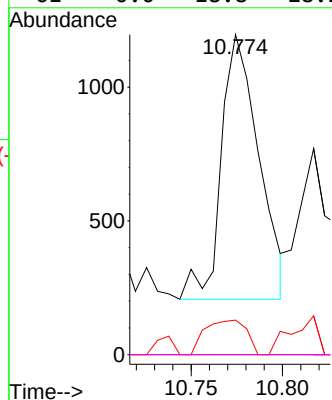
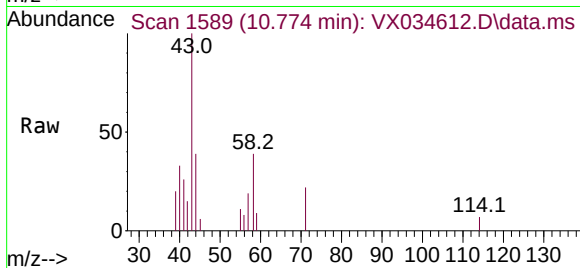




#74
N-amy1 acetate
Concen: 0.220 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.067 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

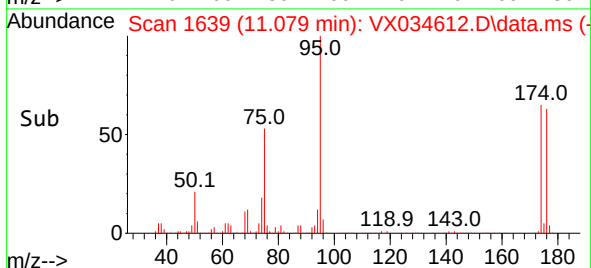
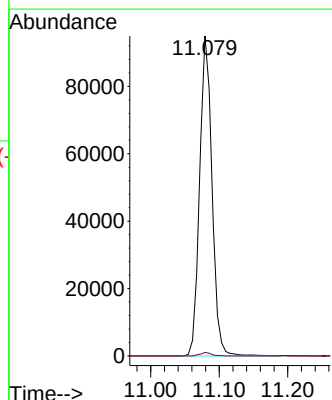
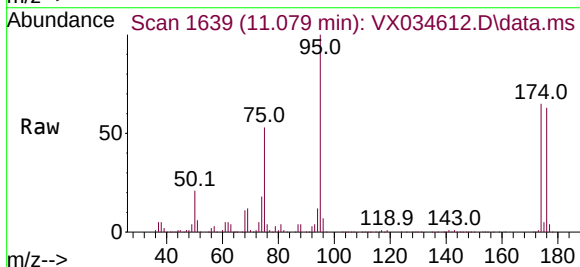
Instrument :
MSVOA_X
ClientSampleId :
SV-TP5-0316

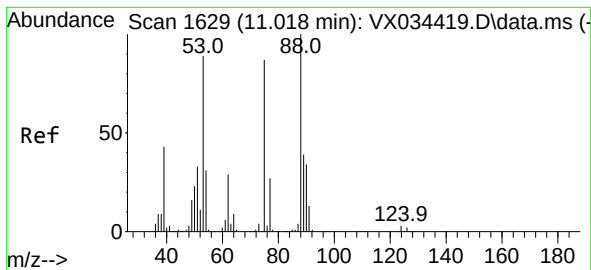
Tgt Ion: 43	Resp:	1414	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.1	48.1#
55	14.4	18.3	27.5#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 30.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034612.D
Acq: 18 Mar 2023 05:17

Tgt Ion: 75	Resp: 119760
Ion Ratio	Lower Upper
75 100	
77 1.0	21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.233 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034612.D
 Acq: 18 Mar 2023 05:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP5-0316

Tgt Ion: 75 Resp: 119760
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

