

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034610.D
 Acq On : 18 Mar 2023 04:30
 Operator : JC/MD
 Sample : 01954-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP3-0316

Quant Time: Mar 20 00:16:29 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)

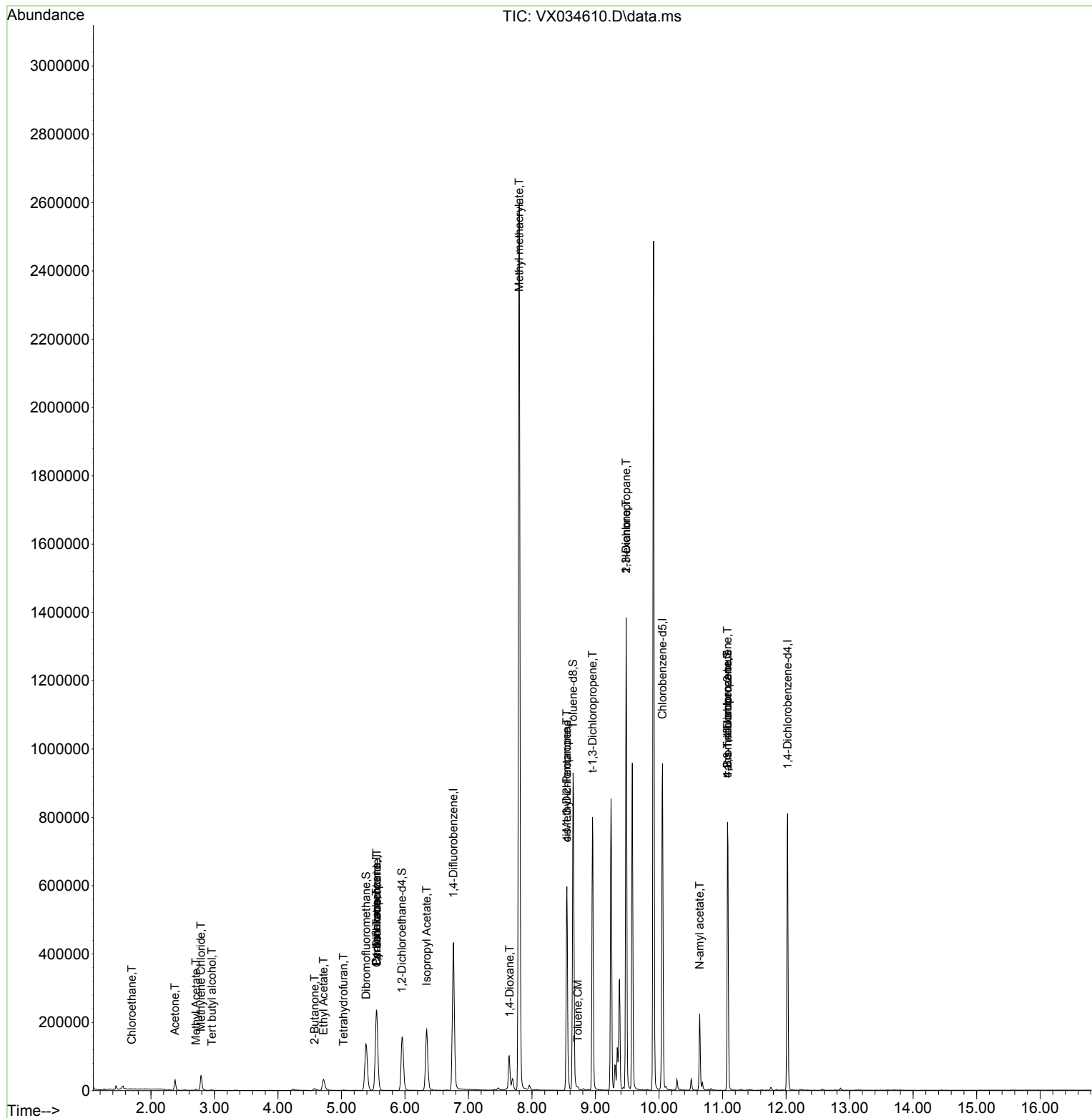
Internal Standards						
1) Pentafluorobenzene	5.550	168	218032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	398071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	151418	47.737	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.480%
35) Dibromofluoromethane	5.385	113	116535	44.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.680%
50) Toluene-d8	8.647	98	541069	55.147	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	110.300%
62) 4-Bromofluorobenzene	11.079	95	214428	54.107	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	371	Below Cal		96
6) Chloroethane	1.697	64	352	0.221 ug/l	#	42
11) Tert butyl alcohol	2.959	59	1684	2.549 ug/l	#	88
16) Acetone	2.380	43	32534	21.774 ug/l		99
18) Methyl Acetate	2.709	43	4581	0.938 ug/l		99
20) Methylene Chloride	2.788	84	20479	7.062 ug/l		96
25) 2-Butanone	4.574	43	10716	5.012 ug/l	#	89
29) Tetrahydrofuran	5.031	42	756	0.573 ug/l	#	71
31) Cyclohexane	5.550	56	5209	1.171 ug/l	#	1
36) 1,1-Dichloropropene	5.556	75	18582	4.603 ug/l	#	50
37) Ethyl Acetate	4.714	43	58853	13.345 ug/l		98
38) Carbon Tetrachloride	5.556	117	21856	5.442 ug/l	#	15
43) Isopropyl Acetate	6.342	43	242226	32.422 ug/l		100
48) Methyl methacrylate	7.799	41	243898	67.878 ug/l	#	47
49) 1,4-Dioxane	7.647	88	56	0.742 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	216107	49.863 ug/l	#	49
52) Toluene	8.720	92	2342	0.320 ug/l		86
53) t-1,3-Dichloropropene	8.951	75	1751	0.383 ug/l	#	43
54) cis-1,3-Dichloropropene	8.549	75	90434	18.288 ug/l	#	61
57) 1,3-Dichloropropane	9.482	76	11182	2.168 ug/l	#	43
59) 2-Hexanone	9.482	43	169829	50.691 ug/l	#	51
74) N-amyl acetate	10.640	43	62159	10.319 ug/l	#	54
76) 1,2,3-Trichloropropane	11.079	75	115835	31.003 ug/l	#	34
81) trans-1,4-Dichloro-2-b...	11.079	75	115835	83.872 ug/l	#	8

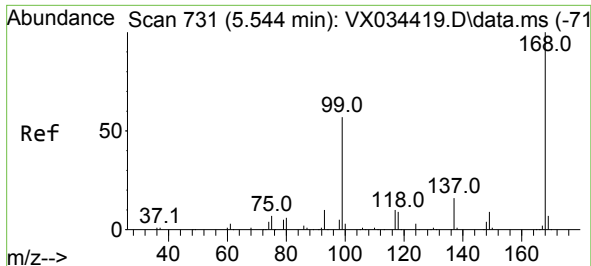
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
SV-TP3-0316

Quant Time: Mar 20 00:16:29 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

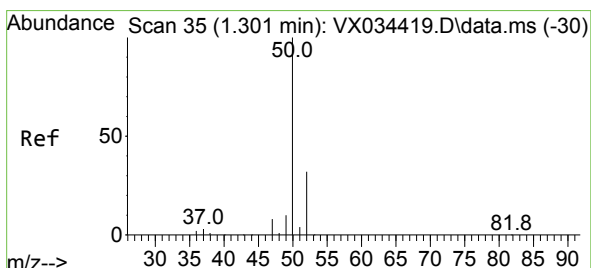
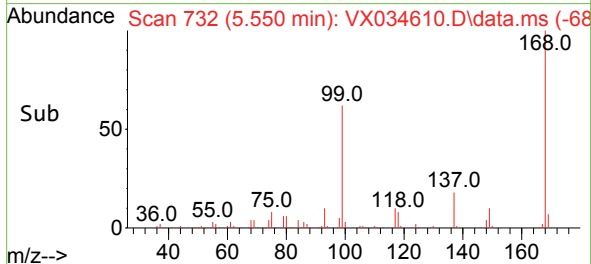
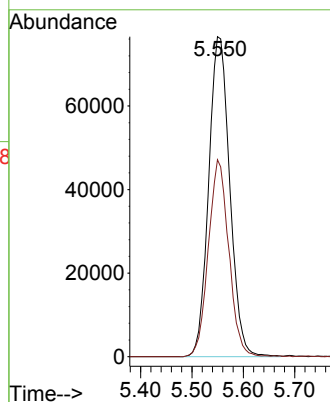
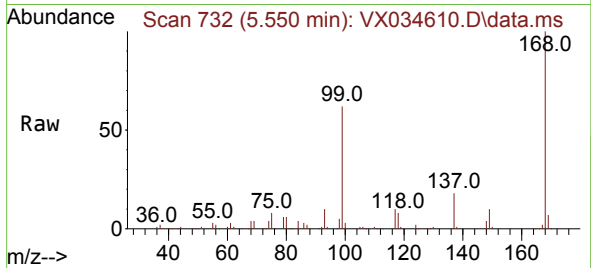




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

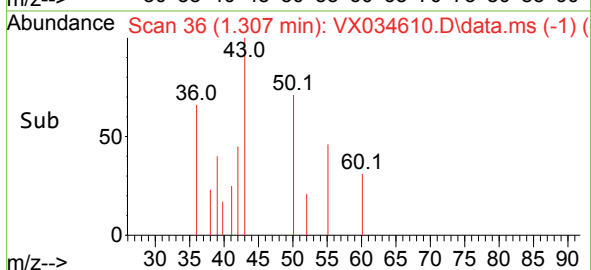
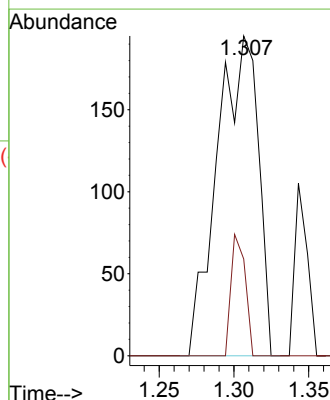
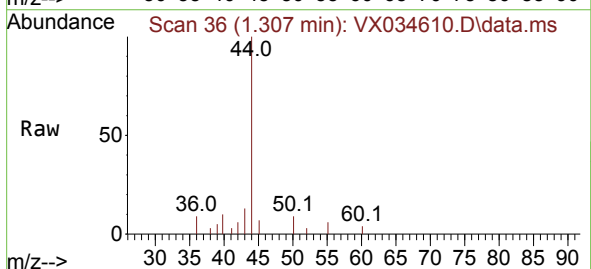
Instrument :
MSVOA_X
ClientSampleId :
SV-TP3-0316

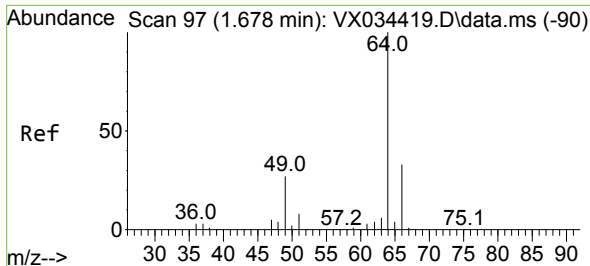
Tgt Ion:168 Resp: 218032
Ion Ratio Lower Upper
168 100
99 61.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 50 Resp: 371
Ion Ratio Lower Upper
50 100
52 30.3 25.9 38.9

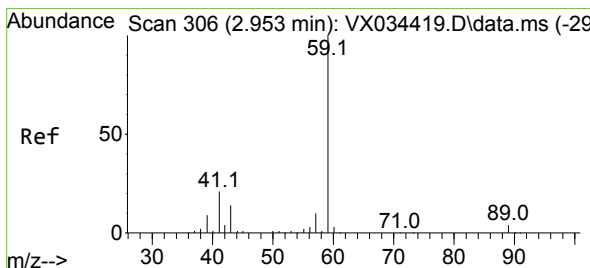
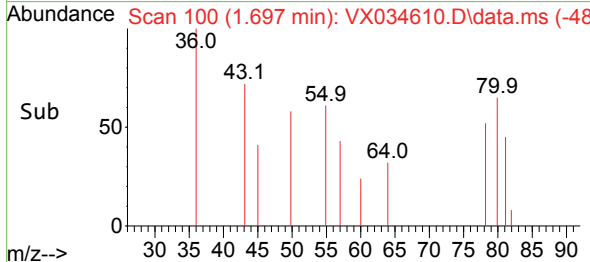
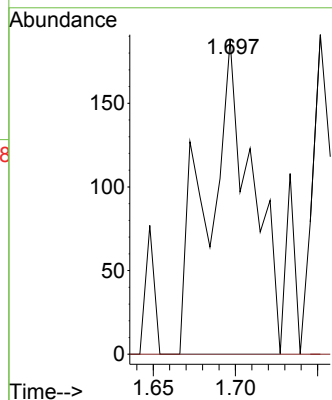
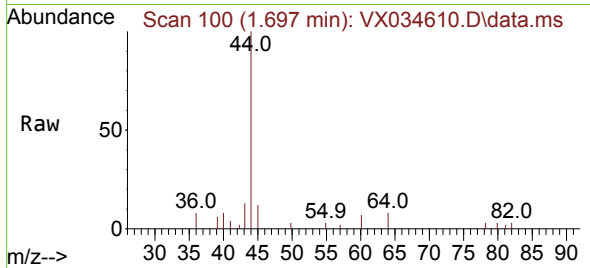




#6
Chloroethane
Concen: 0.221 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

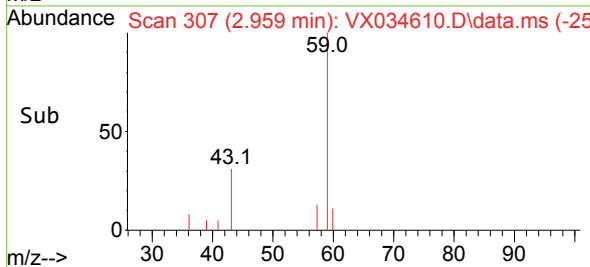
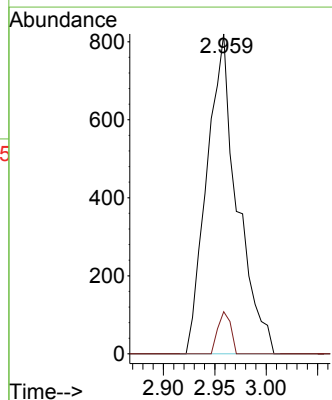
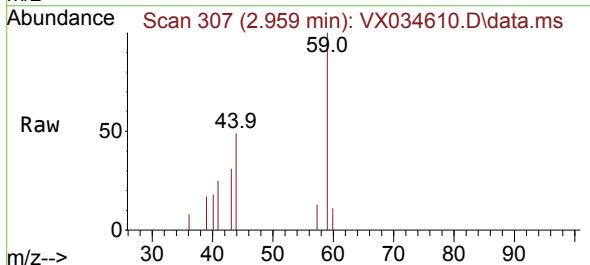
Instrument :
MSVOA_X
ClientSampleId :
SV-TP3-0316

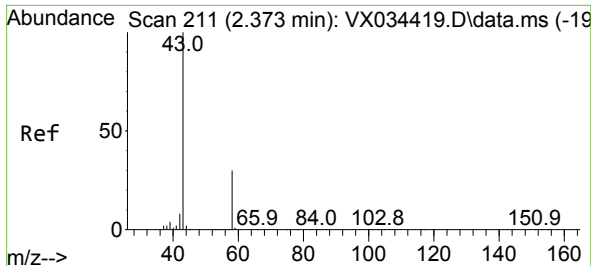
Tgt Ion: 64 Resp: 352
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.549 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 59 Resp: 1684
Ion Ratio Lower Upper
59 100
57 5.5 8.1 12.1#

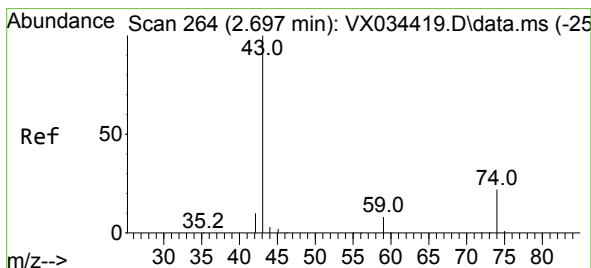
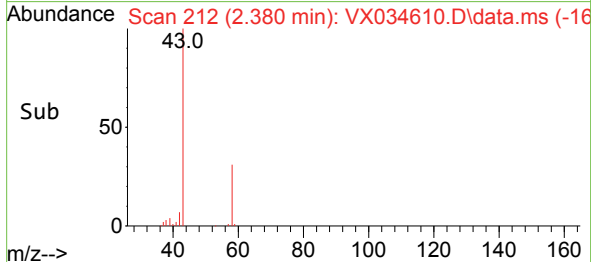
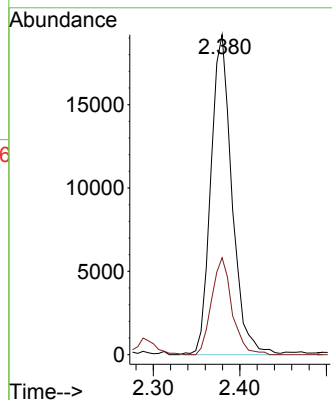
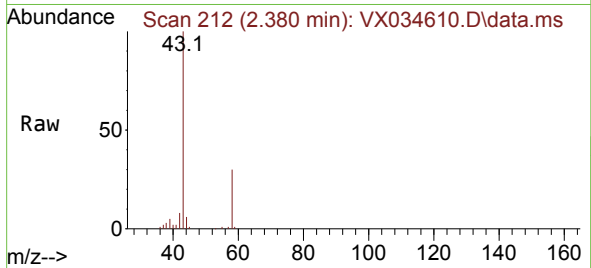




#16
Acetone
Concen: 21.774 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

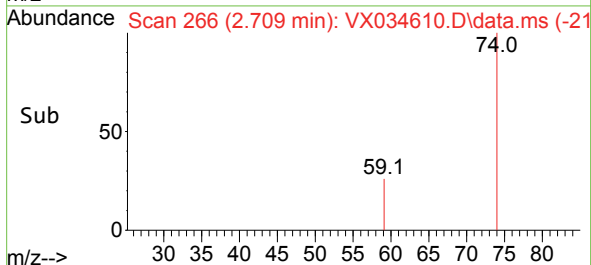
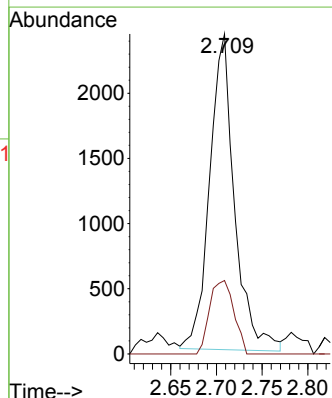
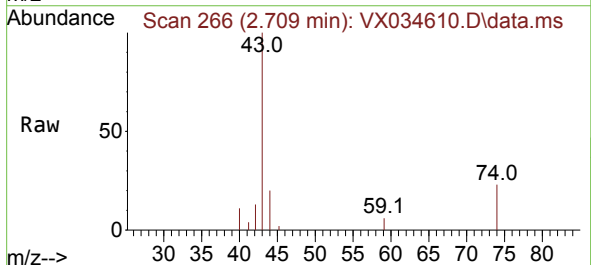
Instrument :
MSVOA_X
ClientSampleId :
SV-TP3-0316

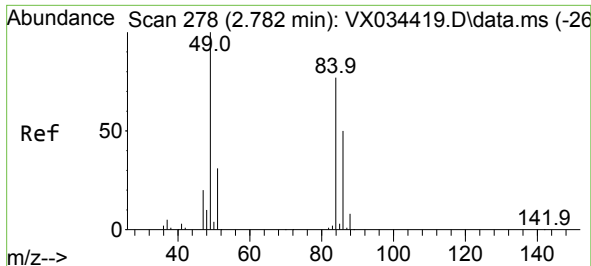
Tgt Ion: 43 Resp: 32534
Ion Ratio Lower Upper
43 100
58 30.3 24.7 37.1



#18
Methyl Acetate
Concen: 0.938 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 43 Resp: 4581
Ion Ratio Lower Upper
43 100
74 22.6 18.3 27.5



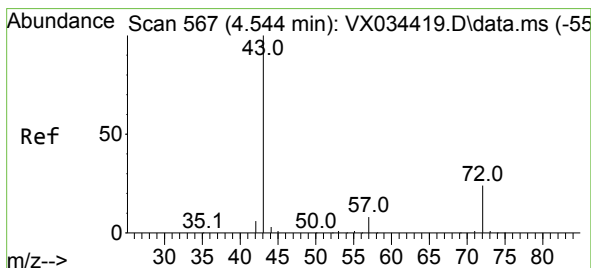
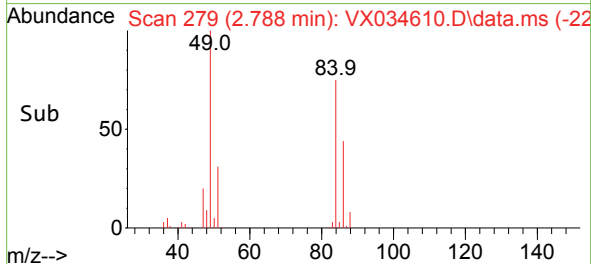
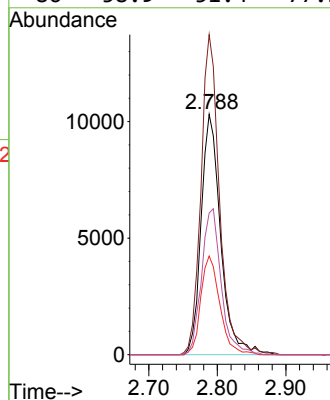
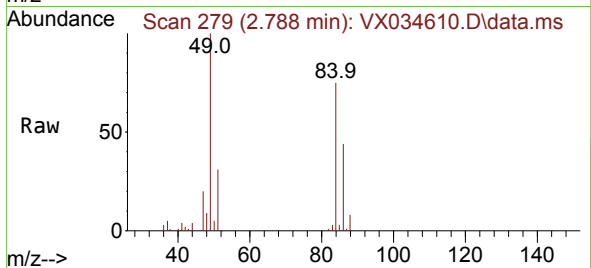


#20
Methylene Chloride
Concen: 7.062 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Instrument :
MSVOA_X
ClientSampleId :
SV-TP3-0316

Tgt Ion: 84 Resp: 20479

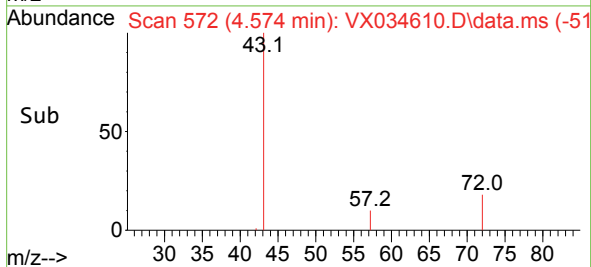
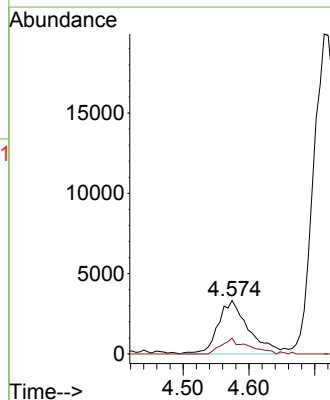
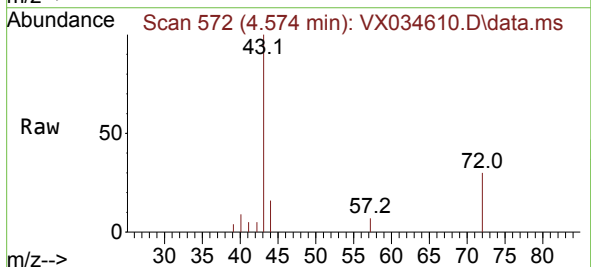
Ion	Ratio	Lower	Upper
84	100		
49	133.1	103.8	155.8
51	41.1	31.8	47.8
86	58.9	51.4	77.2

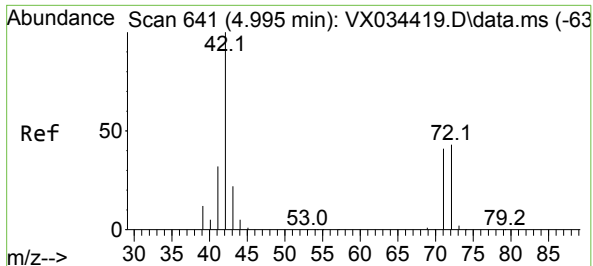


#25
2-Butanone
Concen: 5.012 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.030 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 43 Resp: 10716

Ion	Ratio	Lower	Upper
43	100		
72	29.7	19.3	28.9#





#29

Tetrahydrofuran

Concen: 0.573 ug/l

RT: 5.031 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Instrument :

MSVOA_X

ClientSampleId :

SV-TP3-0316

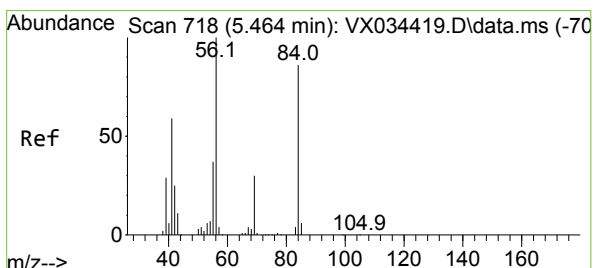
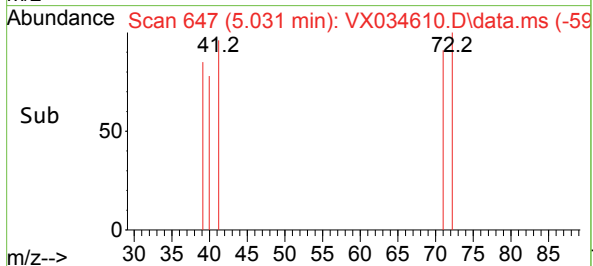
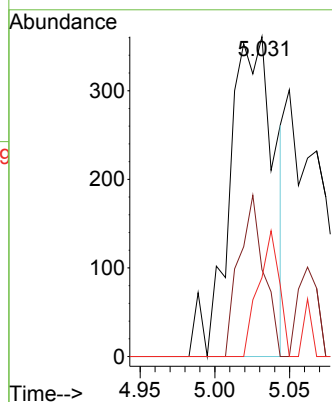
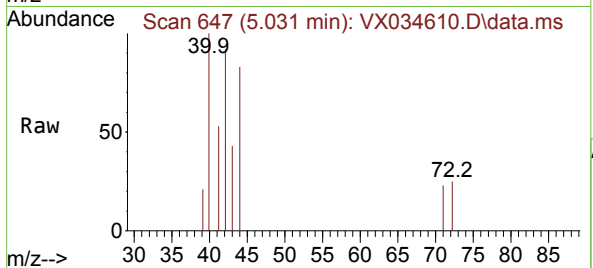
Tgt Ion: 42 Resp: 756

Ion Ratio Lower Upper

42 100

72 27.9 34.5 51.7#

71 18.3 32.1 48.1#



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

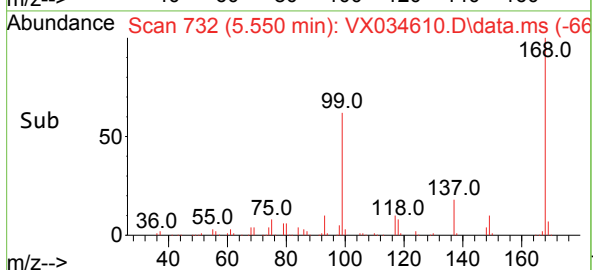
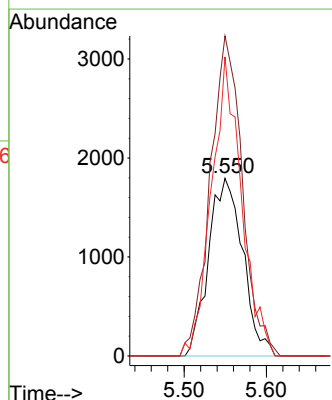
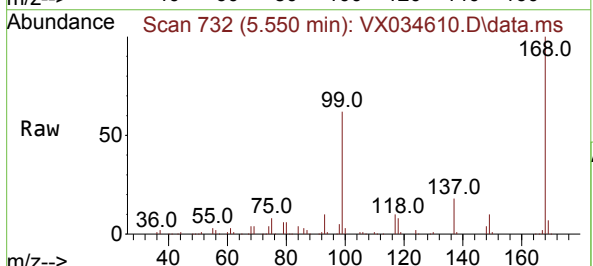
Tgt Ion: 56 Resp: 5209

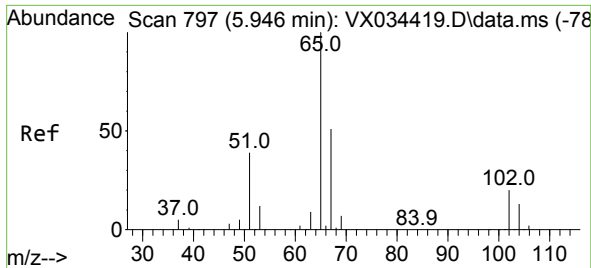
Ion Ratio Lower Upper

56 100

69 180.1 23.7 35.5#

84 168.3 68.5 102.7#

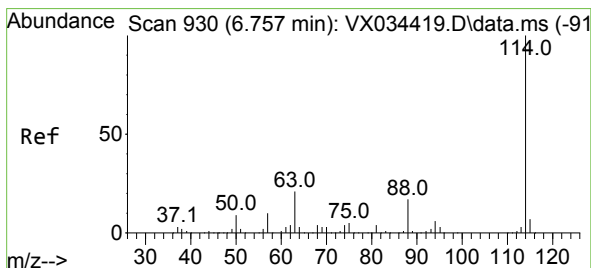
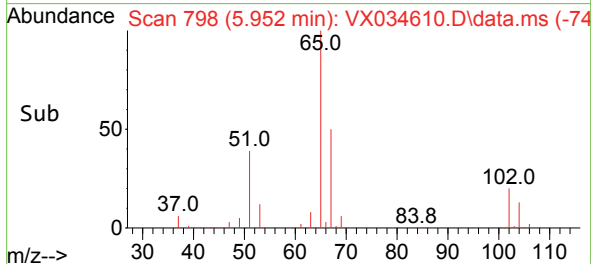
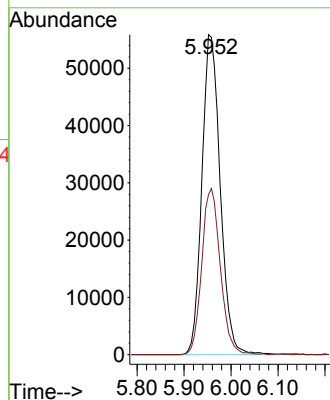
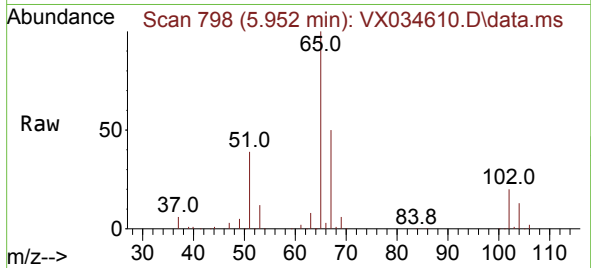




#33
1,2-Dichloroethane-d4
Concen: 47.737 ug/l
RT: 5.952 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

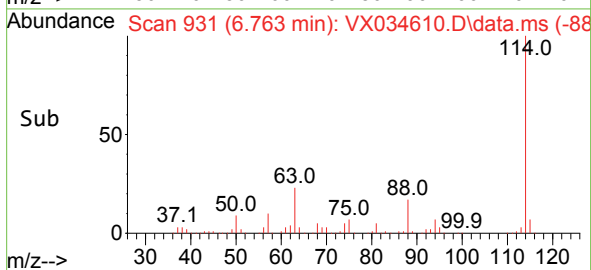
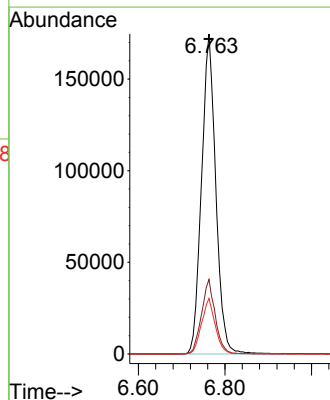
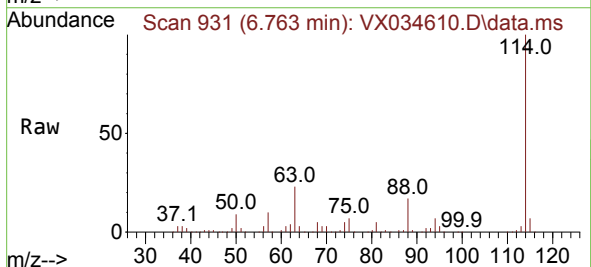
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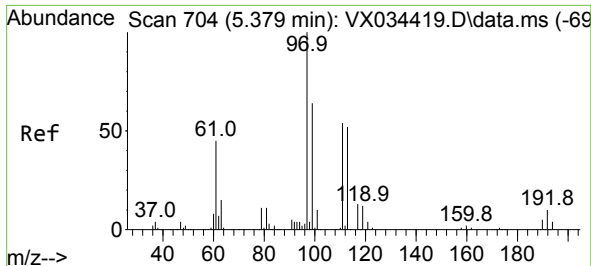
Tgt Ion: 65 Resp: 151418
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 114 Resp: 398071
Ion Ratio Lower Upper
114 100
63 23.3 0.0 42.2
88 17.4 0.0 33.2

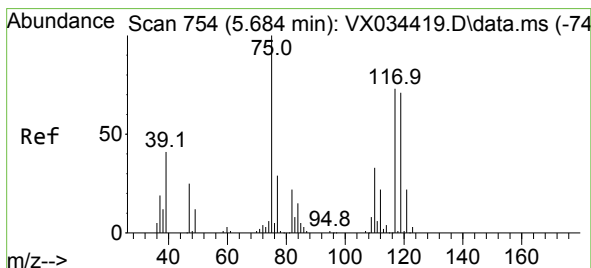
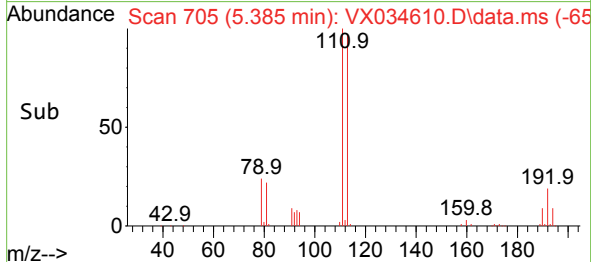
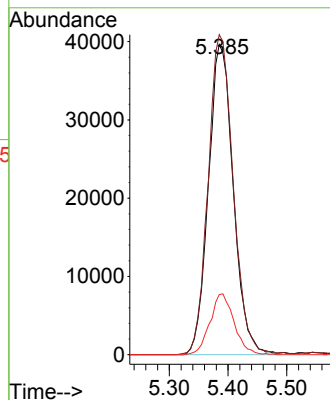
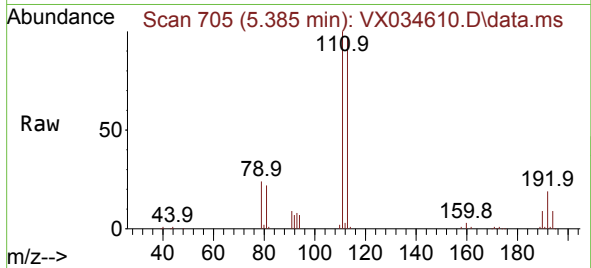




#35
Dibromofluoromethane
Concen: 44.339 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

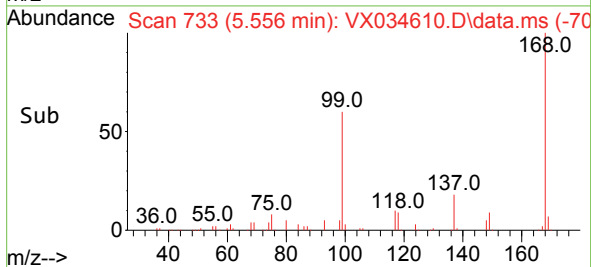
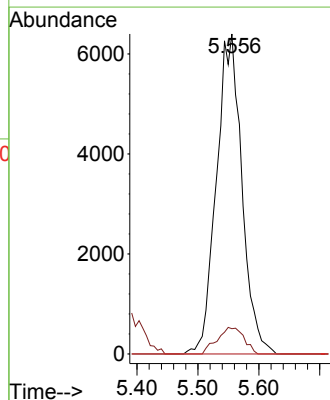
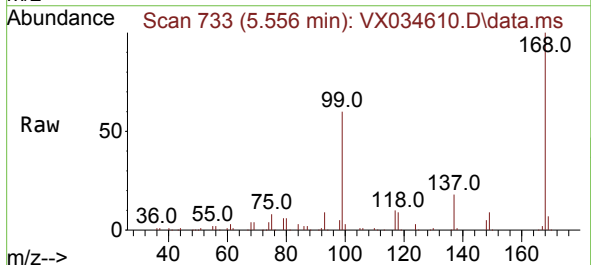
Instrument :
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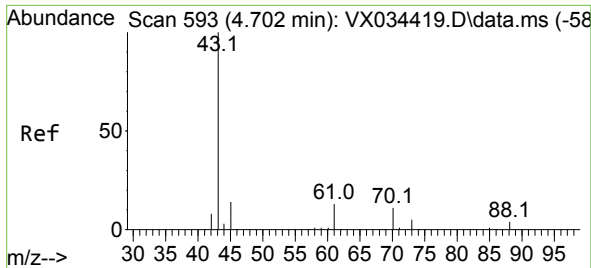
Tgt Ion:113 Resp: 116535
Ion Ratio Lower Upper
113 100
111 104.4 83.7 125.5
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 75 Resp: 18582
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 13.345 ug/l

RT: 4.714 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

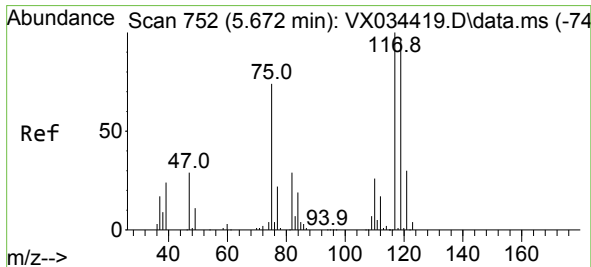
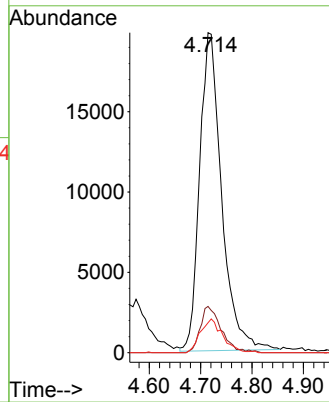
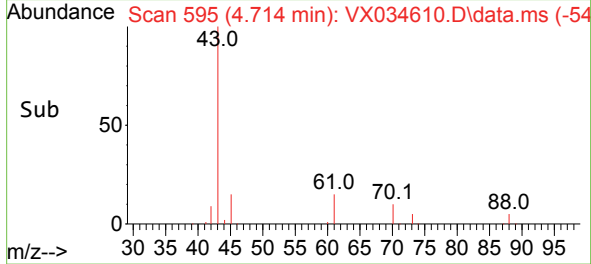
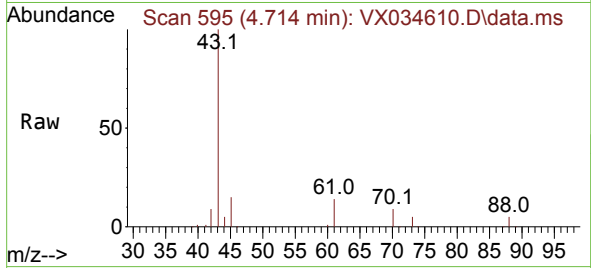
Instrument :

MSVOA_X

ClientSampleId :

SV-TP3-0316

Tgt Ion:	43	Resp:	58853
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.4
70	10.7	8.2	12.4



#38

Carbon Tetrachloride

Concen: 5.442 ug/l

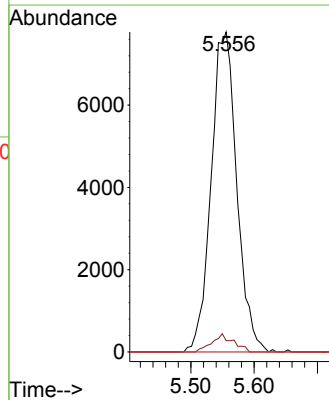
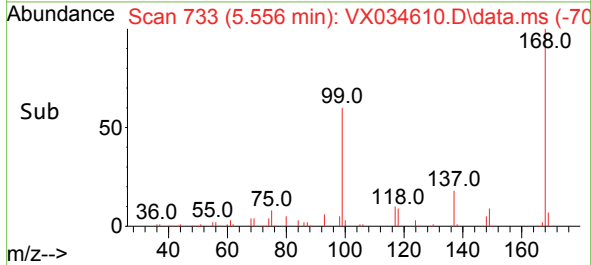
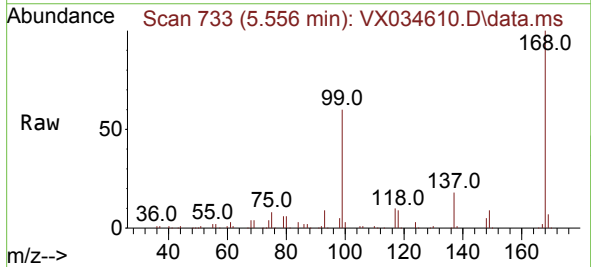
RT: 5.556 min Scan# 733

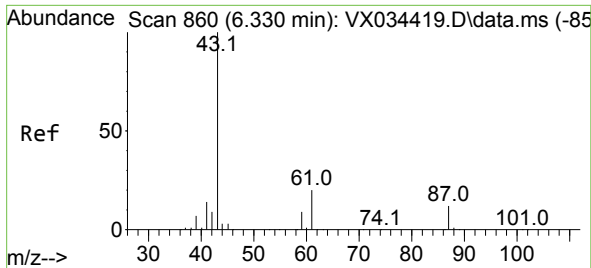
Delta R.T. -0.116 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Tgt Ion:	117	Resp:	21856
Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.6	114.8#
121	0.0	23.8	35.6#





#43

Isopropyl Acetate

Concen: 32.422 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Instrument :

MSVOA_X

ClientSampleId :

SV-TP3-0316

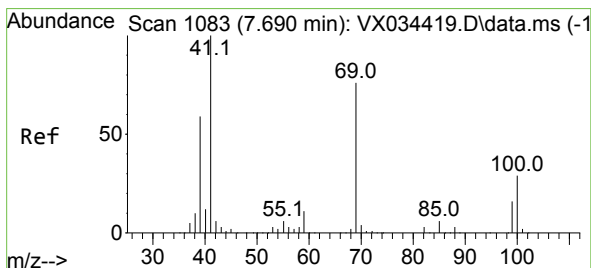
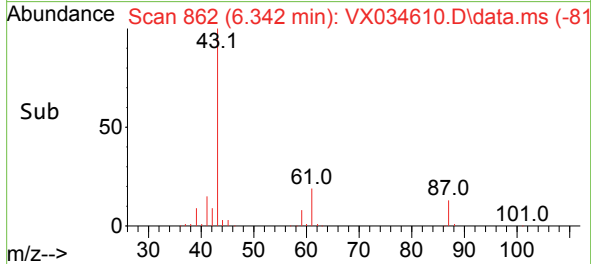
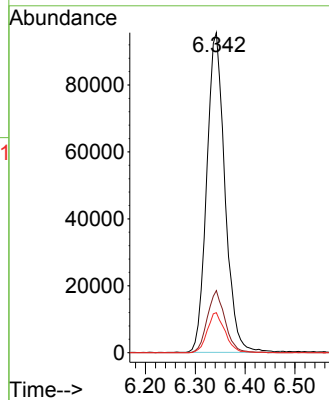
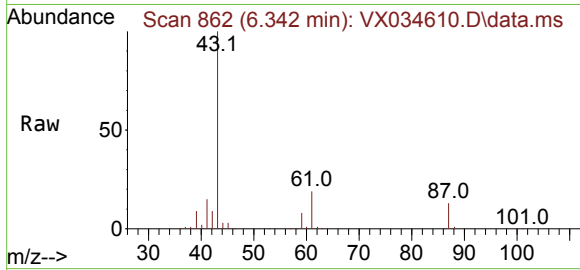
Tgt Ion: 43 Resp: 242226

Ion Ratio Lower Upper

43 100

61 18.9 15.2 22.8

87 12.3 9.8 14.8



#48

Methyl methacrylate

Concen: 67.878 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

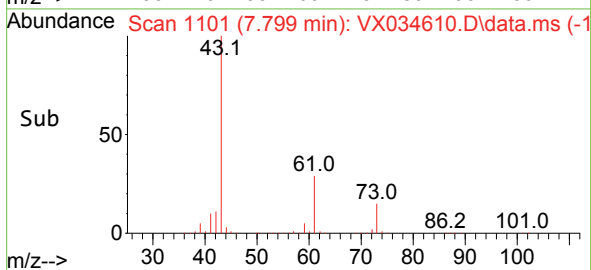
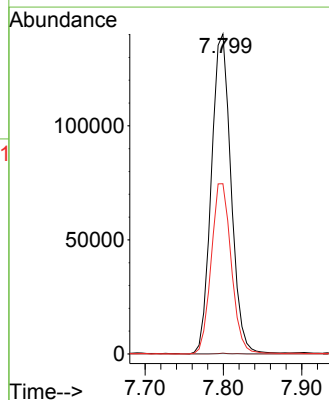
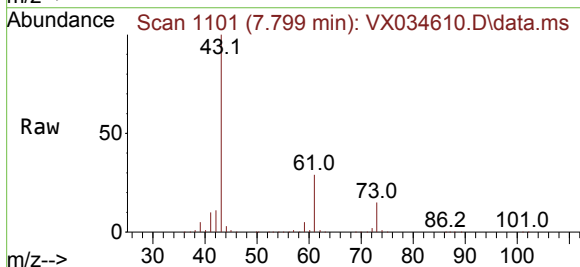
Tgt Ion: 41 Resp: 243898

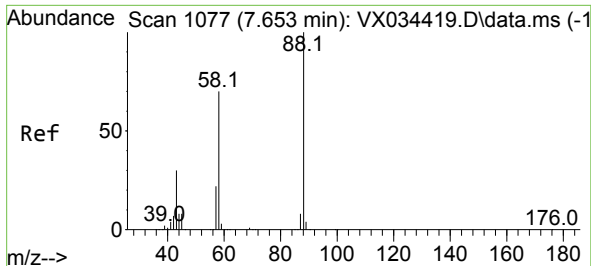
Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.4#

39 54.7 47.7 71.5





#49

1,4-Dioxane

Concen: 0.742 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. -0.006 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Instrument :

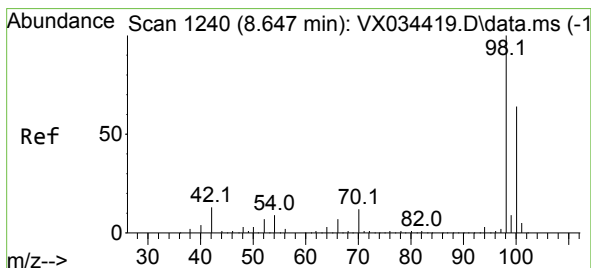
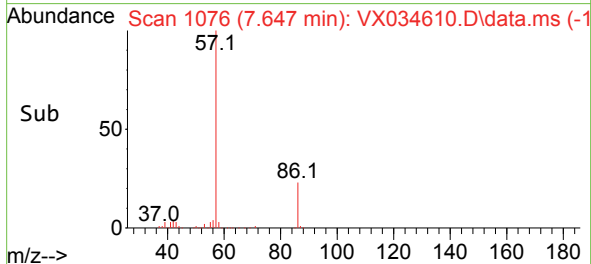
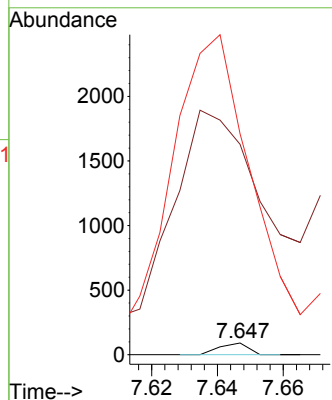
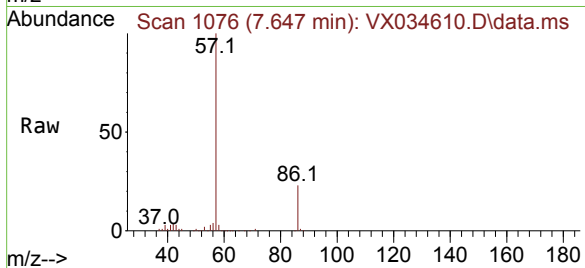
MSVOA_X

ClientSampleId :

SV-TP3-0316

Tgt Ion: 88 Resp: 56

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	7851.8	56.8	85.2#



#50

Toluene-d8

Concen: 55.147 ug/l

RT: 8.647 min Scan# 1240

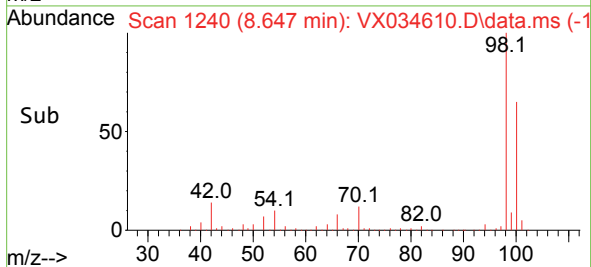
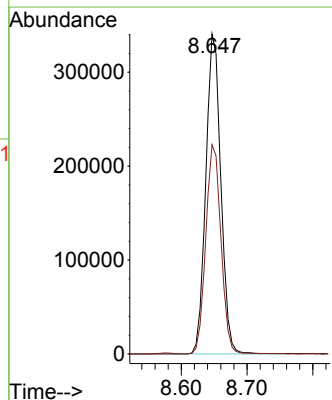
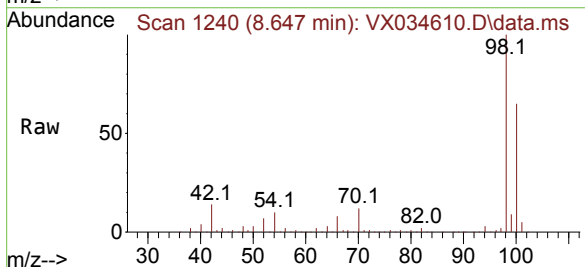
Delta R.T. -0.000 min

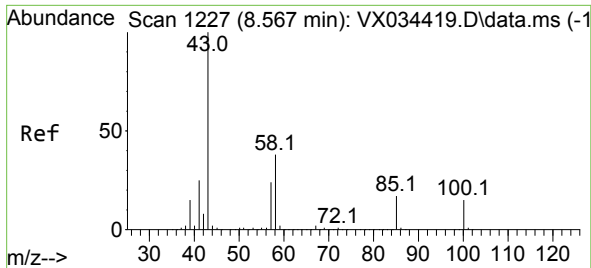
Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Tgt Ion: 98 Resp: 541069

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7

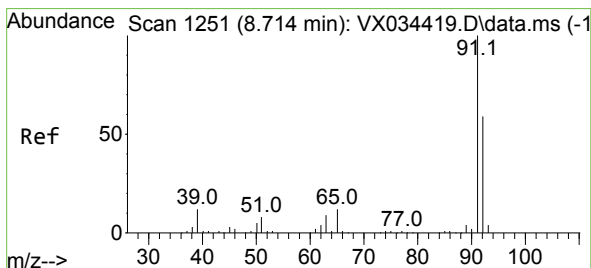
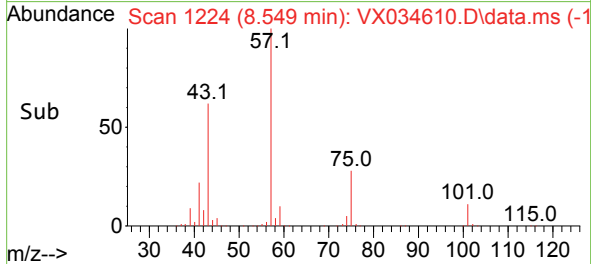
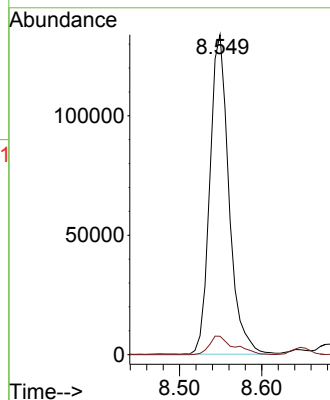
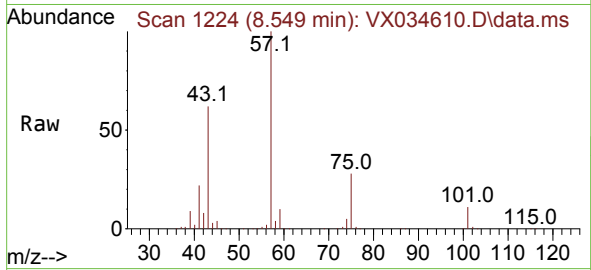




#51
4-Methyl-2-Pentanone
Concen: 49.863 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

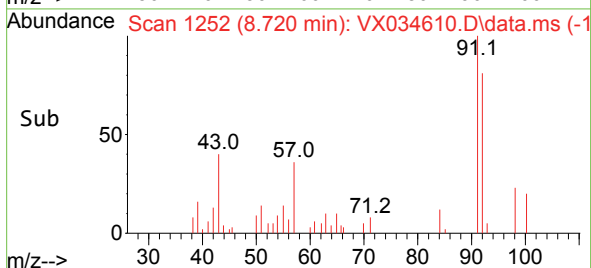
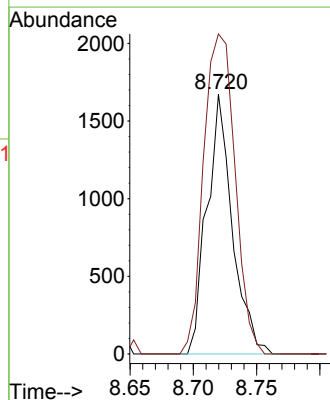
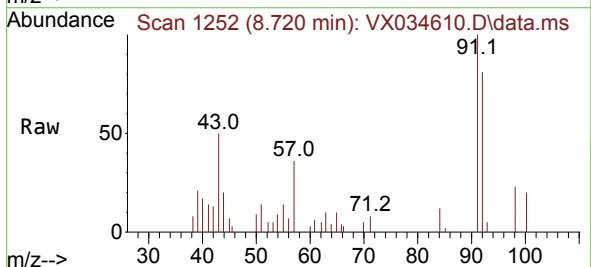
Instrument :
MSVOA_X
ClientSampleId :
SV-TP3-0316

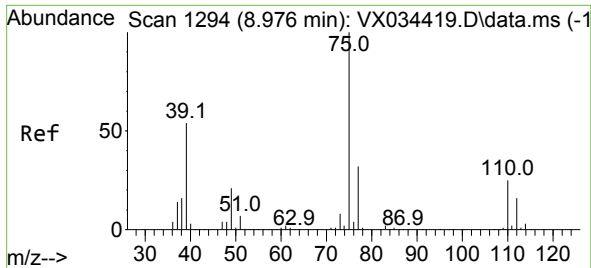
Tgt Ion: 43 Resp: 216107
Ion Ratio Lower Upper
43 100
58 7.5 30.6 46.0#



#52
Toluene
Concen: 0.320 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 92 Resp: 2342
Ion Ratio Lower Upper
92 100
91 152.1 136.8 205.2

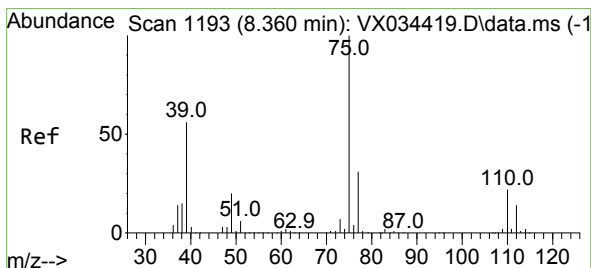
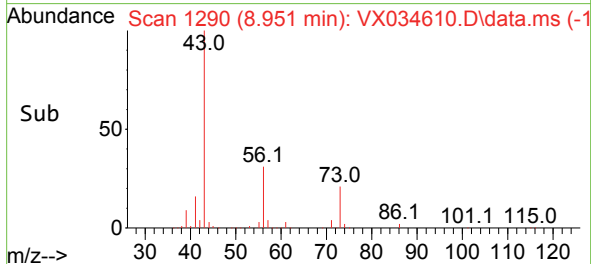
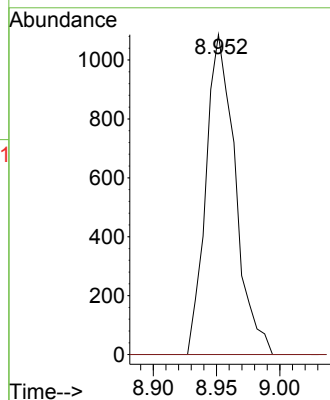
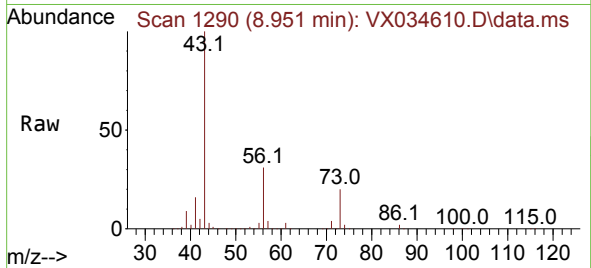




#53
 t-1,3-Dichloropropene
 Concen: 0.383 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034610.D
 Acq: 18 Mar 2023 04:30

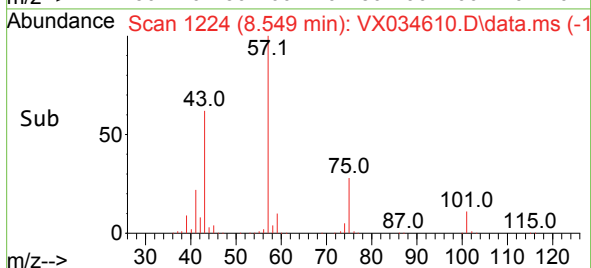
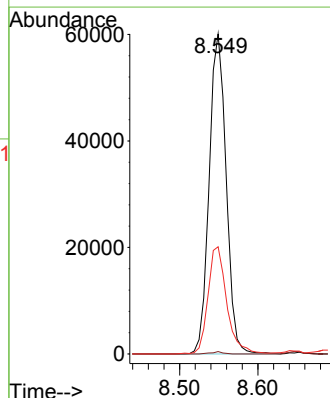
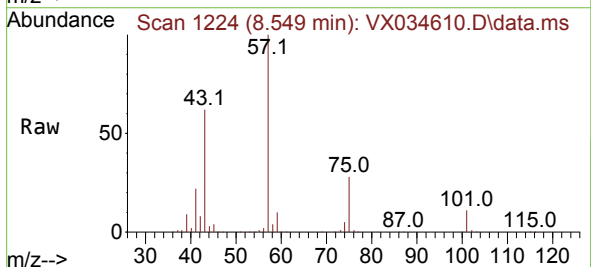
Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP3-0316

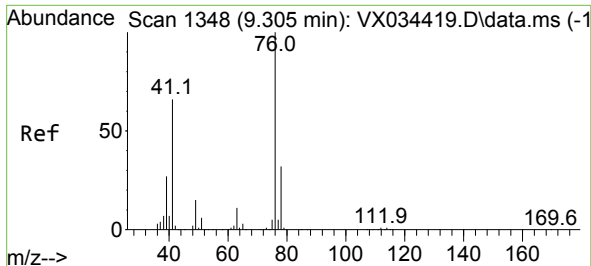
Tgt Ion: 75 Resp: 1751
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.288 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034610.D
 Acq: 18 Mar 2023 04:30

Tgt Ion: 75 Resp: 90434
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 33.4 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.168 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Instrument :

MSVOA_X

ClientSampleId :

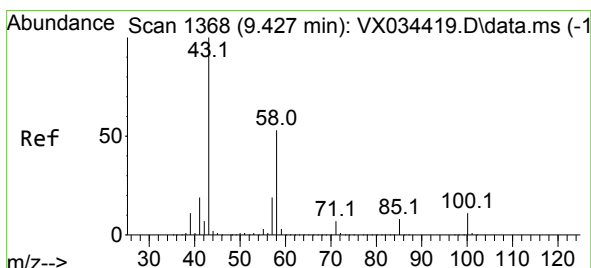
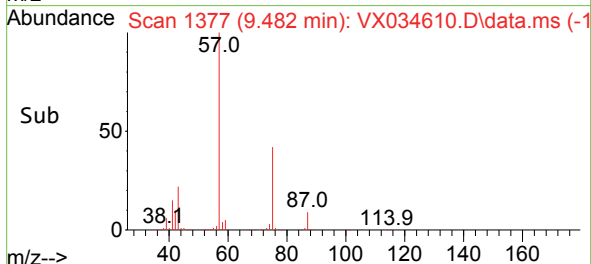
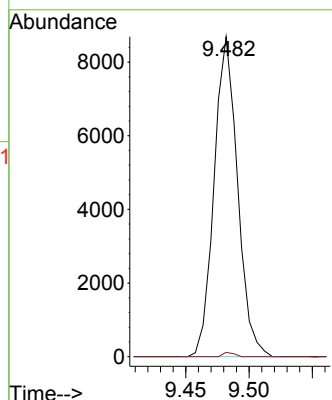
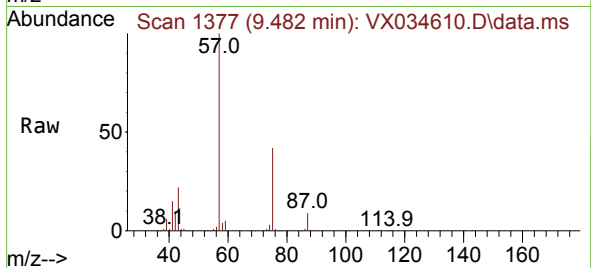
SV-TP3-0316

Tgt Ion: 76 Resp: 11182

Ion Ratio Lower Upper

76 100

78 0.6 25.8 38.8#



#59

2-Hexanone

Concen: 50.691 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034610.D

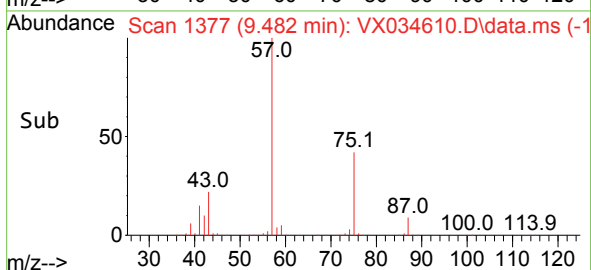
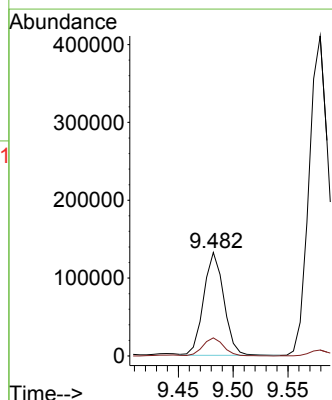
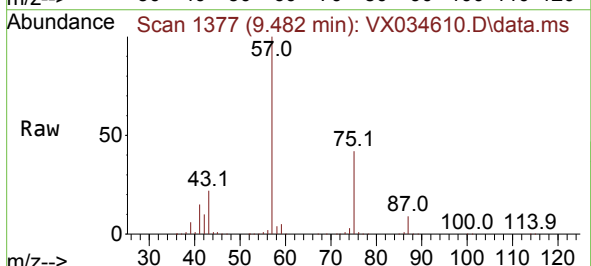
Acq: 18 Mar 2023 04:30

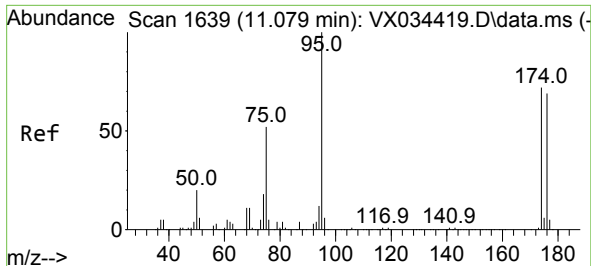
Tgt Ion: 43 Resp: 169829

Ion Ratio Lower Upper

43 100

58 18.3 26.3 78.9#

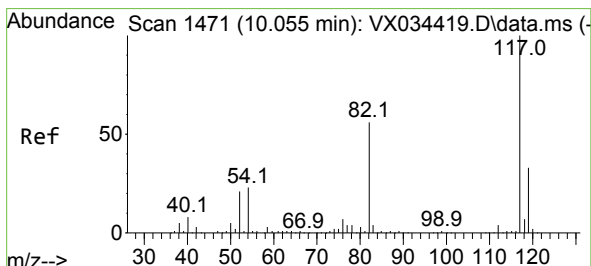
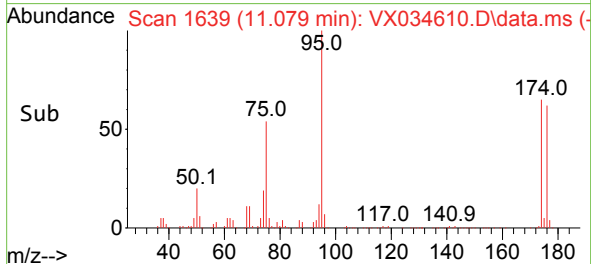
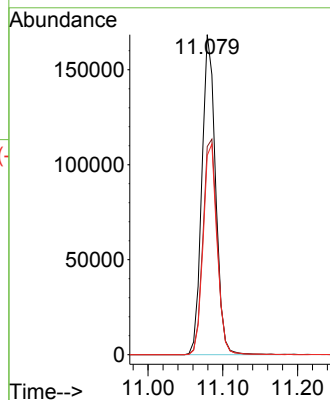
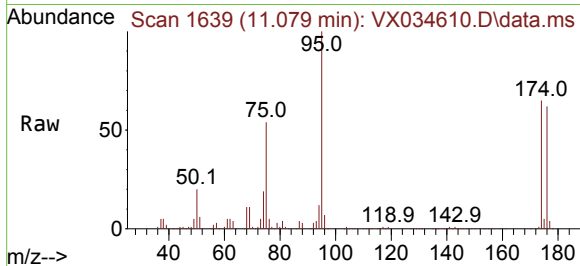




#62
4-Bromofluorobenzene
Concen: 54.107 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

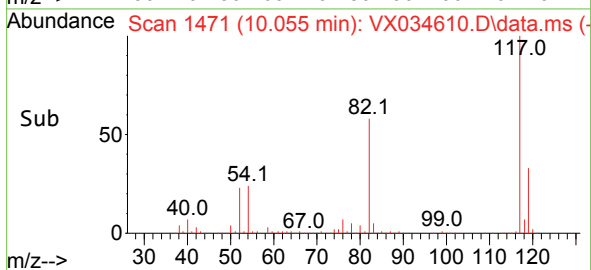
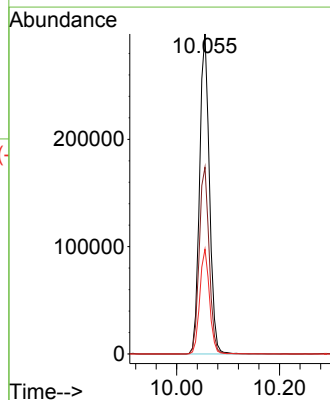
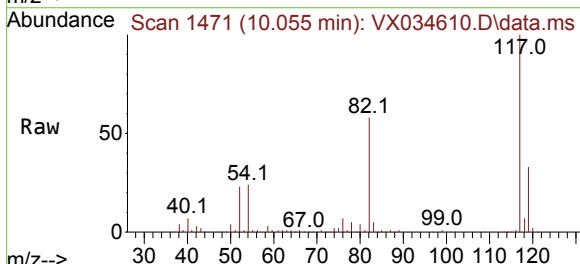
Instrument :
MSVOA_X
ClientSampleId :
SV-TP3-0316

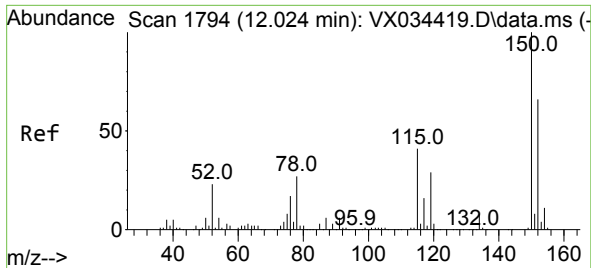
Tgt Ion: 95 Resp: 214428
Ion Ratio Lower Upper
95 100
174 70.2 0.0 147.4
176 67.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 117 Resp: 397122
Ion Ratio Lower Upper
117 100
82 58.3 45.0 67.4
119 32.7 26.0 39.0

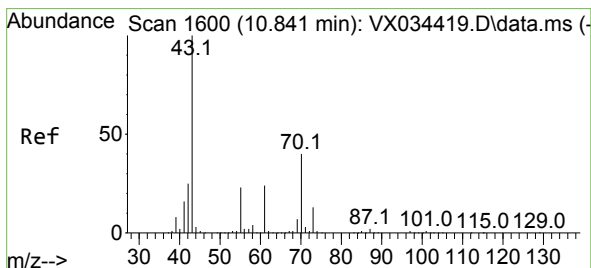
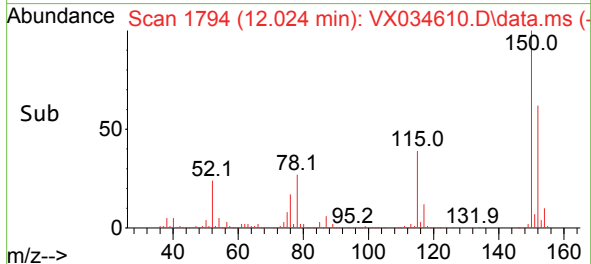
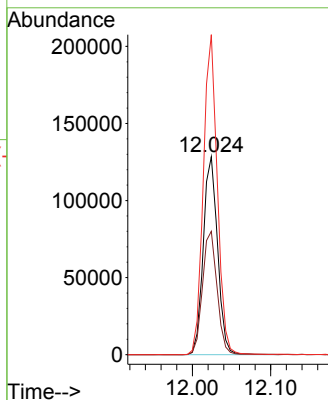
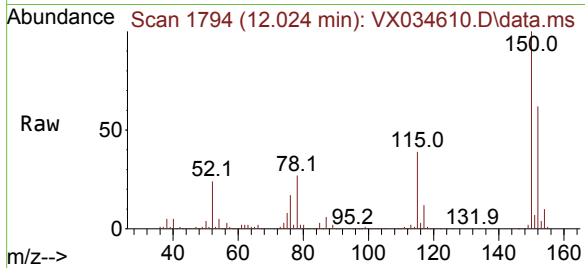




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

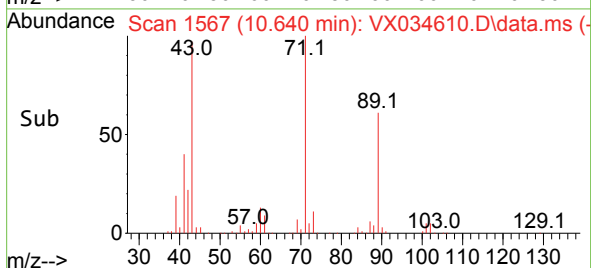
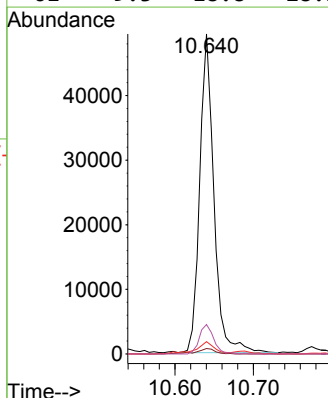
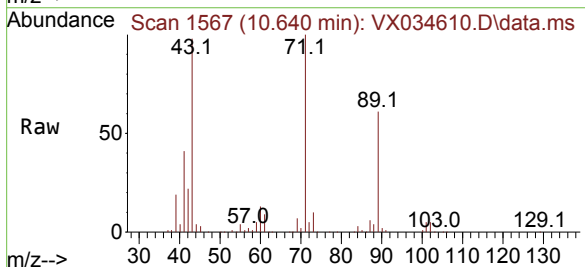
Instrument :
MSVOA_X
ClientSampleId :
SV-TP3-0316

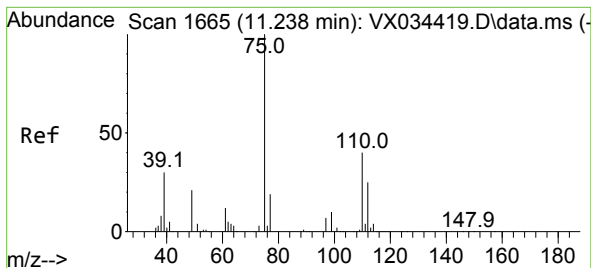
Tgt Ion:152 Resp: 162722
Ion Ratio Lower Upper
152 100
115 63.6 45.0 135.0
150 157.9 0.0 352.4



#74
N-ethyl acetate
Concen: 10.319 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034610.D
Acq: 18 Mar 2023 04:30

Tgt Ion: 43 Resp: 62159
Ion Ratio Lower Upper
43 100
70 2.3 32.1 48.1#
55 5.1 18.3 27.5#
61 9.3 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 31.003 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Instrument :

MSVOA_X

ClientSampleId :

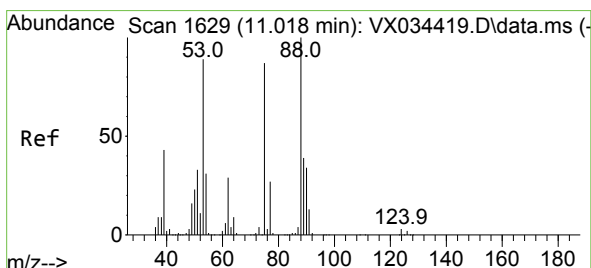
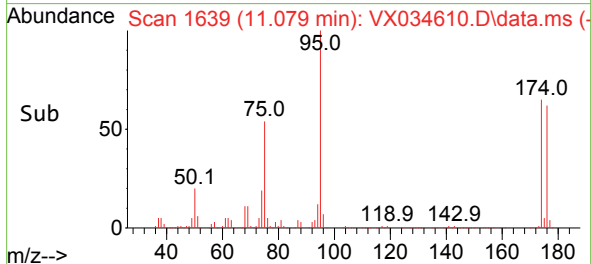
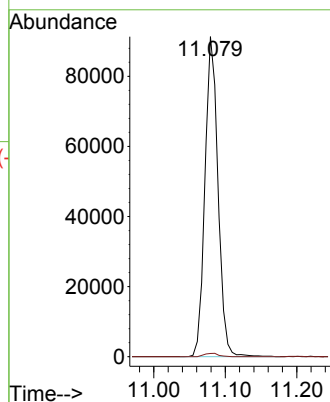
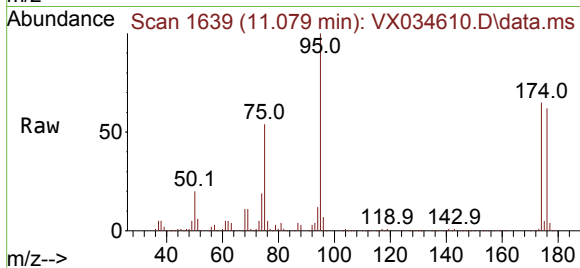
SV-TP3-0316

Tgt Ion: 75 Resp: 115835

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.872 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034610.D

Acq: 18 Mar 2023 04:30

Tgt Ion: 75 Resp: 115835

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

