

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034608.D
 Acq On : 18 Mar 2023 03:43
 Operator : JC/MD
 Sample : 01954-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP1-0316

Quant Time: Mar 20 00:15:29 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)

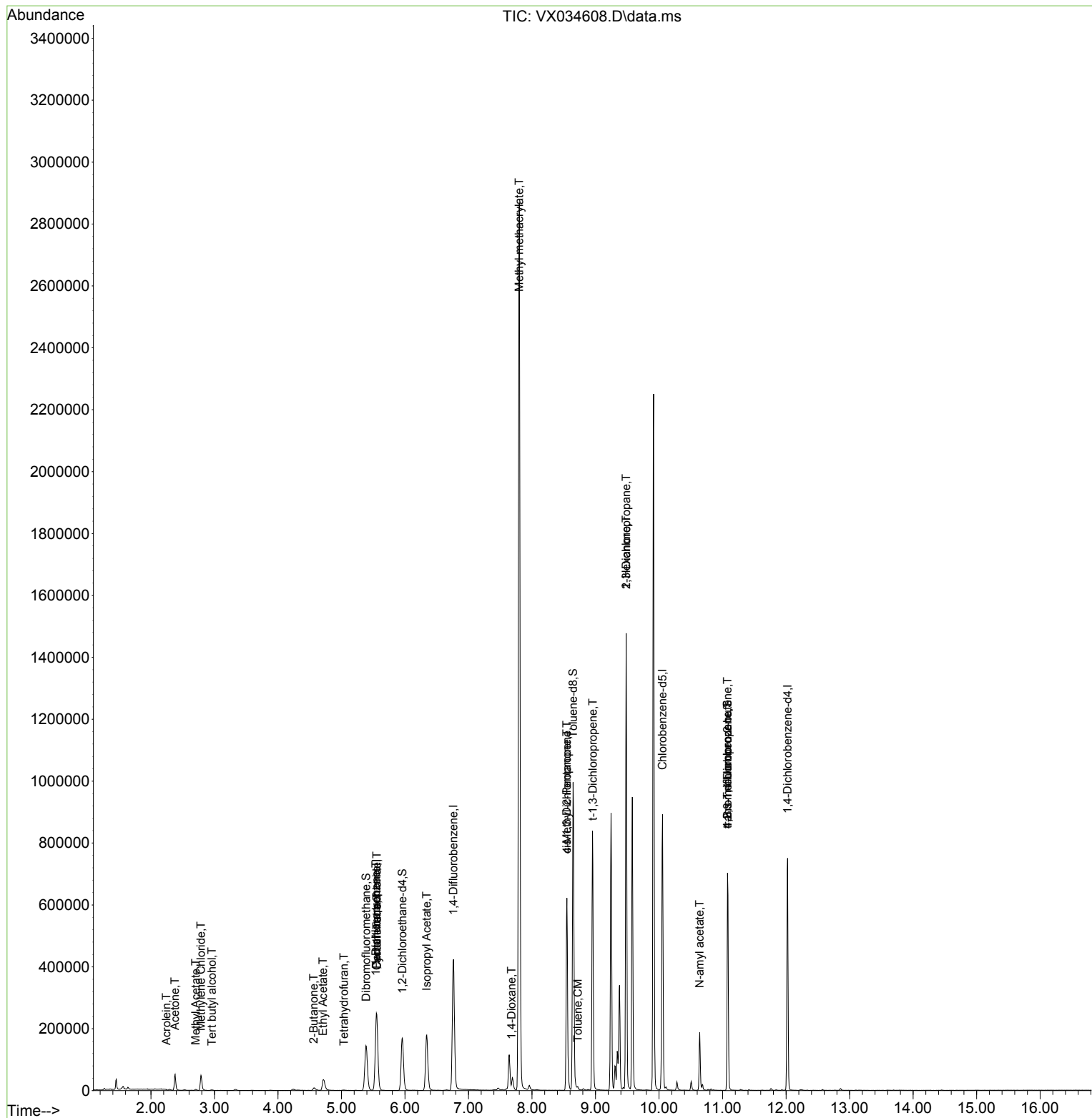
Internal Standards						
1) Pentafluorobenzene	5.550	168	236190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	411977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161312	46.946	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.900%		
35) Dibromofluoromethane	5.385	113	126613	46.548	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.100%		
50) Toluene-d8	8.647	98	557000	54.854	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	109.700%		
62) 4-Bromofluorobenzene	11.079	95	181567	44.268	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	356	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	1776	2.482	ug/l #	87
13) Acrolein	2.239	56	839	1.482	ug/l #	77
16) Acetone	2.380	43	52915	32.692	ug/l	99
18) Methyl Acetate	2.703	43	3934	0.744	ug/l	96
20) Methylene Chloride	2.788	84	21005	6.687	ug/l	94
25) 2-Butanone	4.562	43	16811	7.259	ug/l	96
29) Tetrahydrofuran	5.038	42	1424	0.996	ug/l #	64
31) Cyclohexane	5.556	56	5762	1.196	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	19083	4.568	ug/l #	51
37) Ethyl Acetate	4.708	43	65122	14.268	ug/l	98
38) Carbon Tetrachloride	5.556	117	23245	5.593	ug/l #	18
43) Isopropyl Acetate	6.342	43	249853	32.314	ug/l	99
48) Methyl methacrylate	7.799	41	264144	71.031	ug/l #	46
49) 1,4-Dioxane	7.677	88	28	0.358	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	226997	50.608	ug/l #	49
52) Toluene	8.720	92	2210	0.292	ug/l	96
53) t-1,3-Dichloropropene	8.958	75	1694	0.358	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	92394	18.053	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	11402	2.136	ug/l #	42
59) 2-Hexanone	9.482	43	178265	51.413	ug/l #	51
74) N-amyl acetate	10.640	43	52070	9.275	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	98909	28.403	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	98909	76.839	ug/l #	8

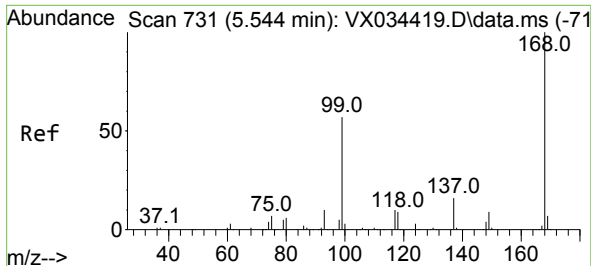
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

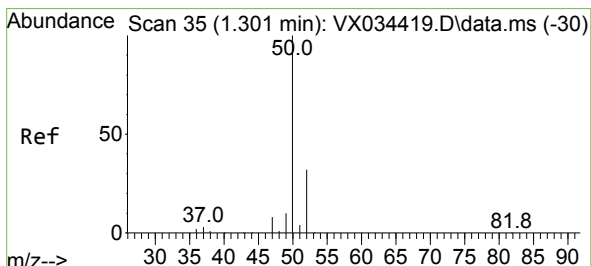
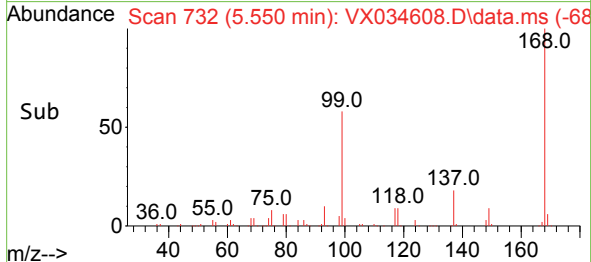
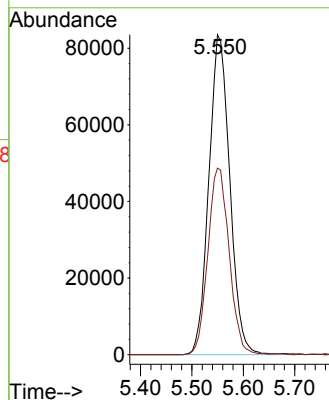
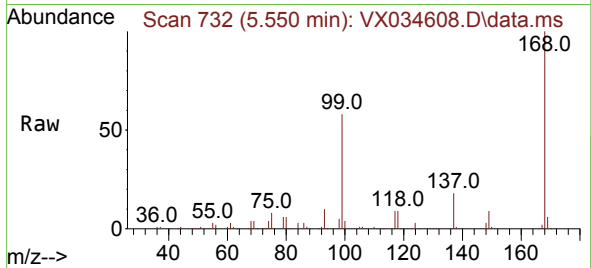




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

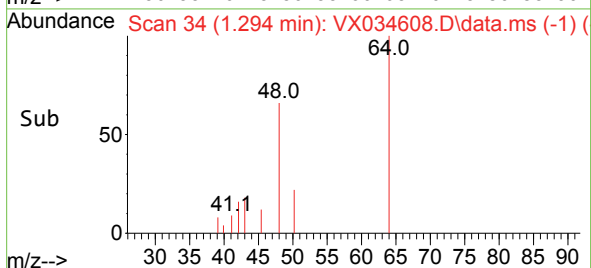
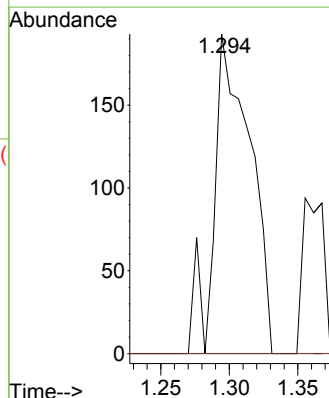
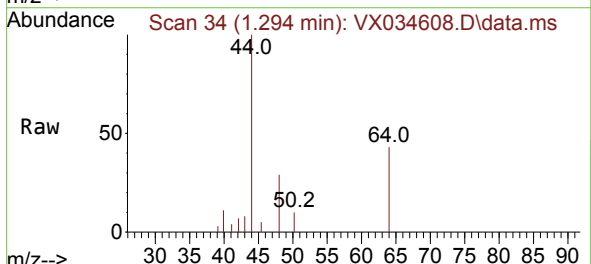
Instrument :
MSVOA_X
ClientSampleId :
SV-TP1-0316

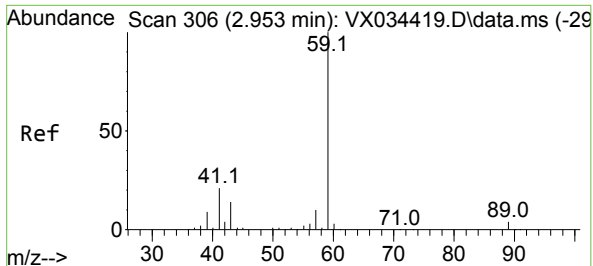
Tgt Ion:168 Resp: 236190
Ion Ratio Lower Upper
168 100
99 58.3 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

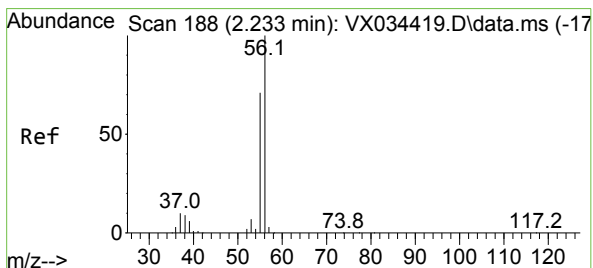
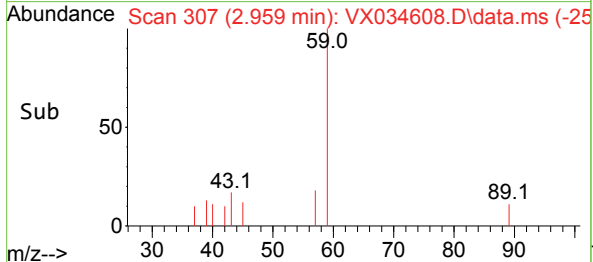
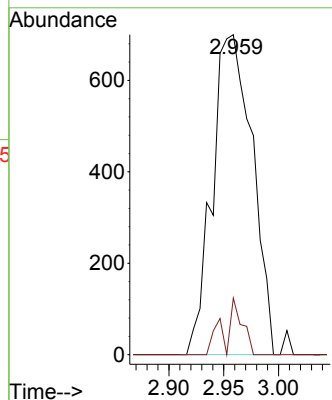
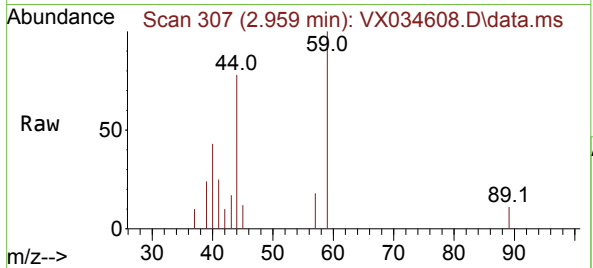




#11
Tert butyl alcohol
Concen: 2.482 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

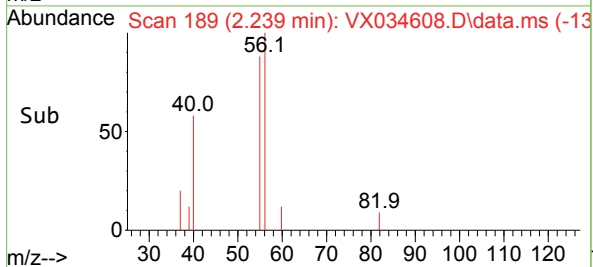
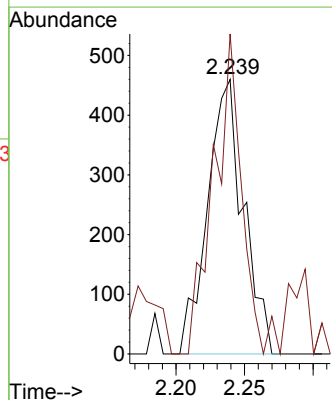
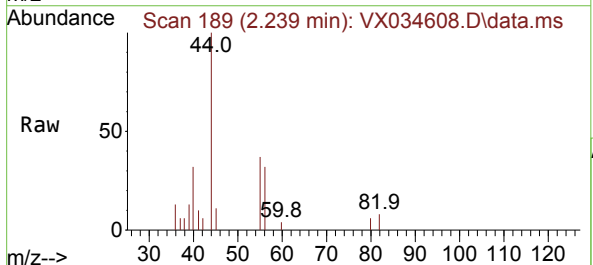
Instrument :
MSVOA_X
ClientSampleId :
SV-TP1-0316

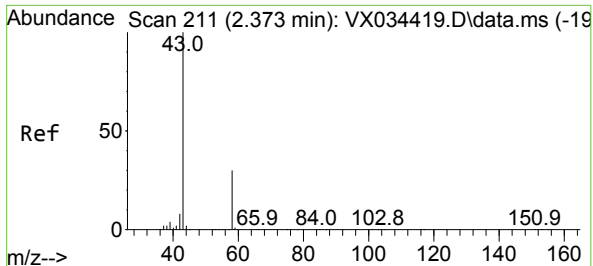
Tgt Ion: 59 Resp: 1776
Ion Ratio Lower Upper
59 100
57 5.2 8.1 12.1#



#13
Acrolein
Concen: 1.482 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion: 56 Resp: 839
Ion Ratio Lower Upper
56 100
55 89.4 56.6 85.0#

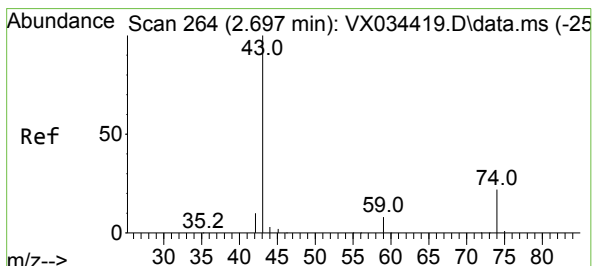
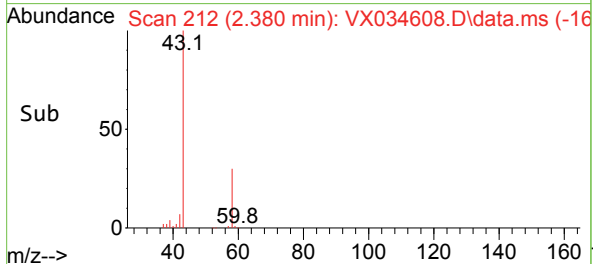
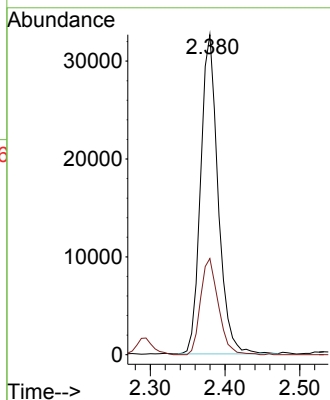
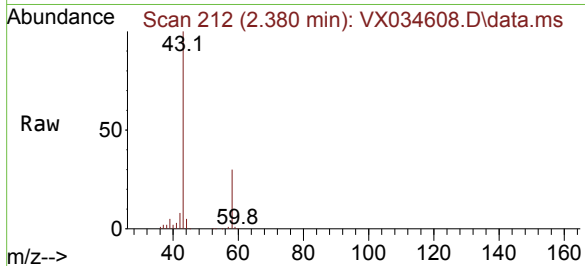




#16
Acetone
Concen: 32.692 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

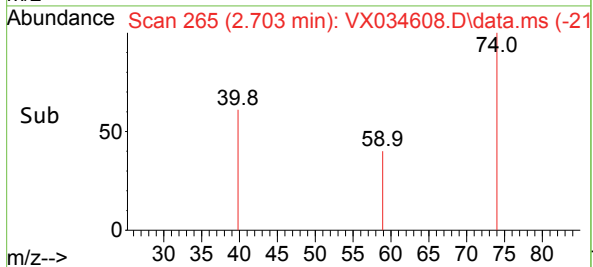
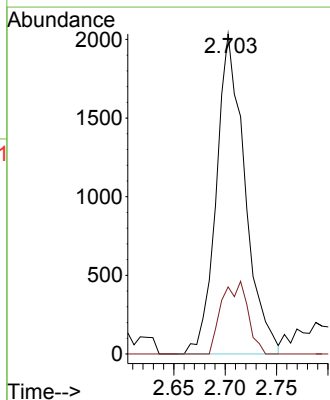
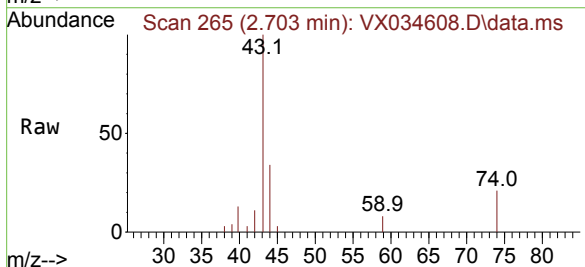
Instrument :
MSVOA_X
ClientSampleId :
SV-TP1-0316

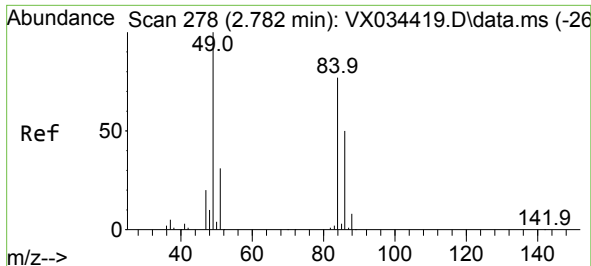
Tgt Ion: 43 Resp: 52915
Ion Ratio Lower Upper
43 100
58 30.1 24.7 37.1



#18
Methyl Acetate
Concen: 0.744 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion: 43 Resp: 3934
Ion Ratio Lower Upper
43 100
74 20.8 18.3 27.5

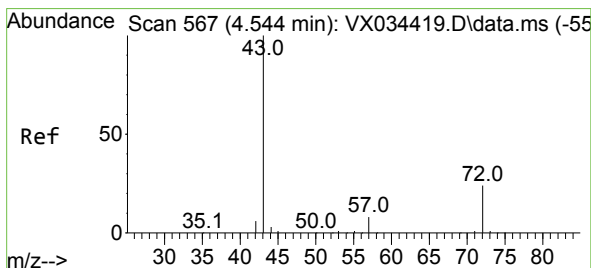
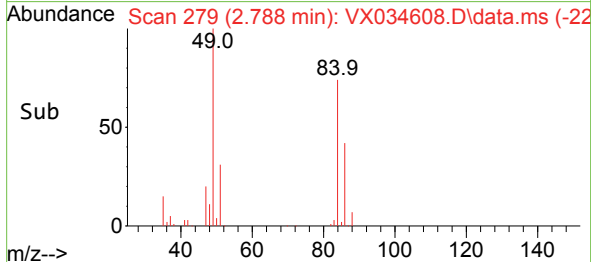
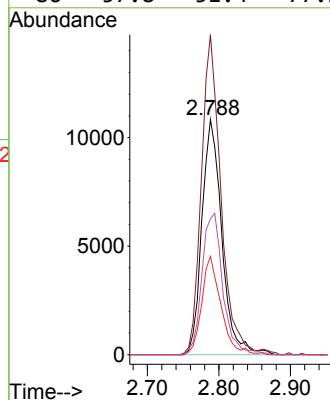
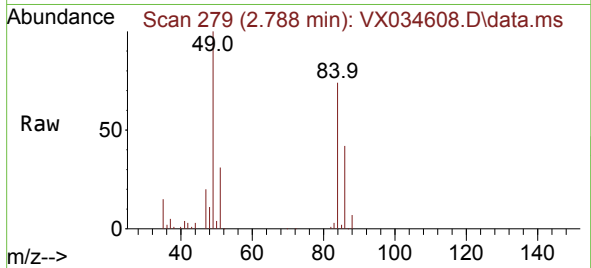




#20
Methylene Chloride
Concen: 6.687 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

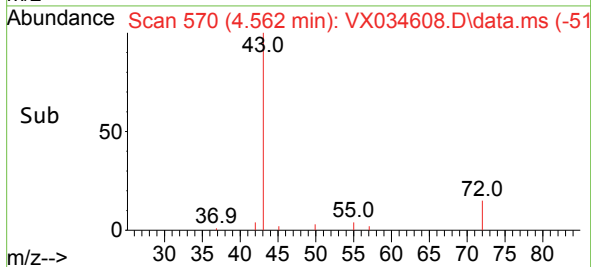
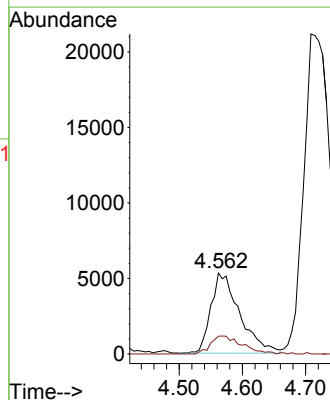
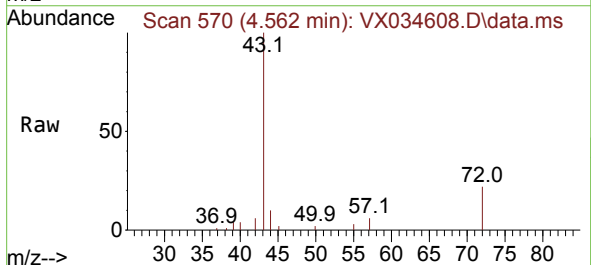
Instrument :
MSVOA_X
ClientSampleId :
SV-TP1-0316

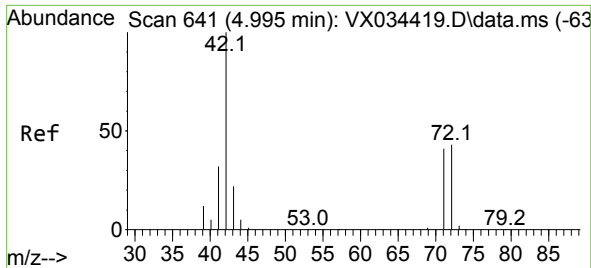
Tgt Ion:	84	Resp:	21005
Ion	Ratio	Lower	Upper
84	100		
49	136.0	103.8	155.8
51	41.8	31.8	47.8
86	57.8	51.4	77.2



#25
2-Butanone
Concen: 7.259 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion:	43	Resp:	16811
Ion	Ratio	Lower	Upper
43	100		
72	22.2	19.3	28.9

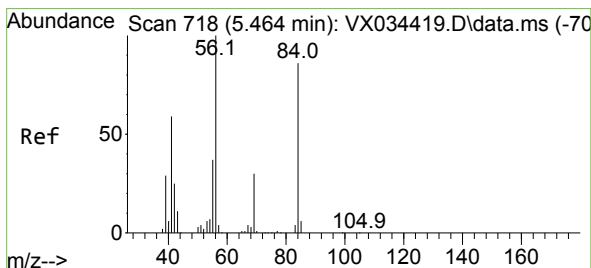
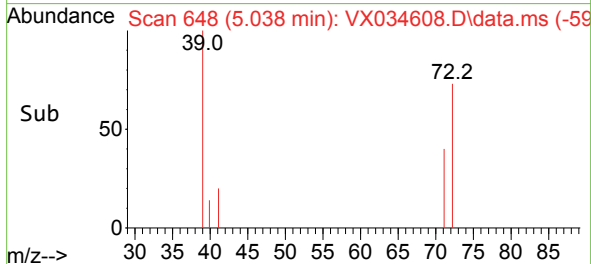
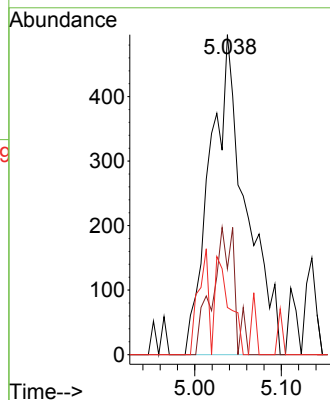
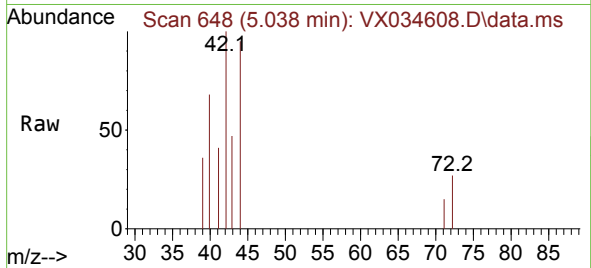




#29
Tetrahydrofuran
Concen: 0.996 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.043 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

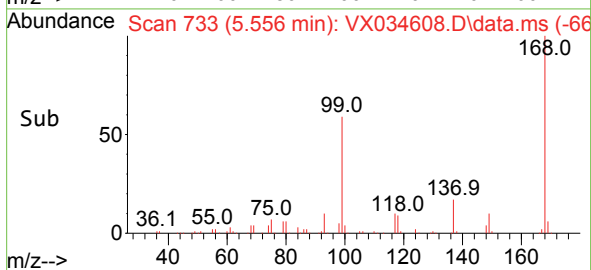
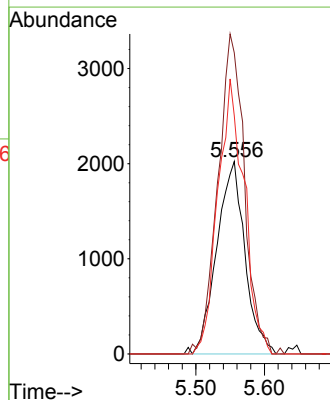
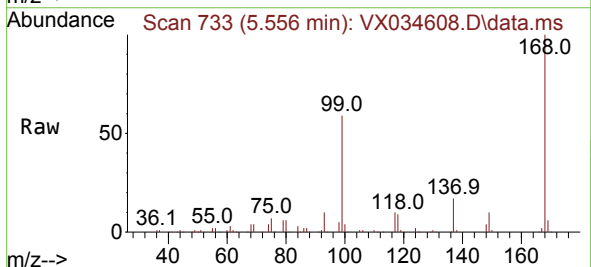
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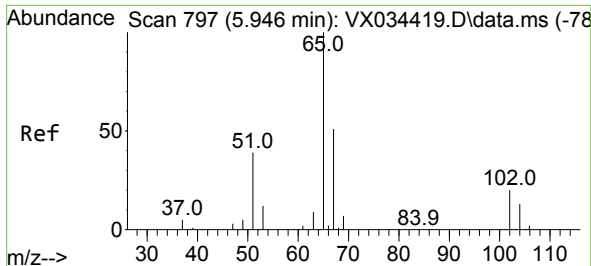
Tgt Ion:	42	Resp:	1424
Ion	Ratio	Lower	Upper
42	100		
72	24.5	34.5	51.7#
71	12.6	32.1	48.1#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion:	56	Resp:	5762
Ion	Ratio	Lower	Upper
56	100		
69	156.4	23.7	35.5#
84	135.2	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 46.946 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

Instrument :

MSVOA_X

ClientSampleId :

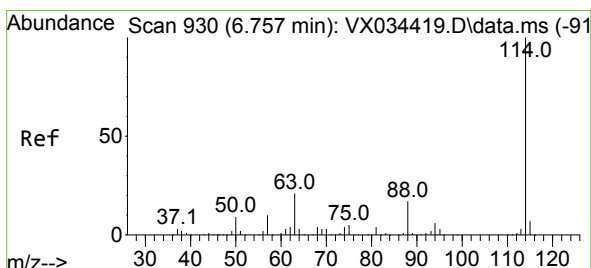
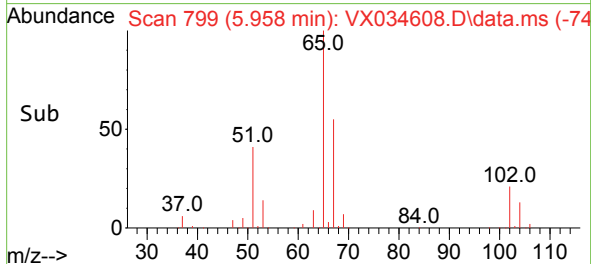
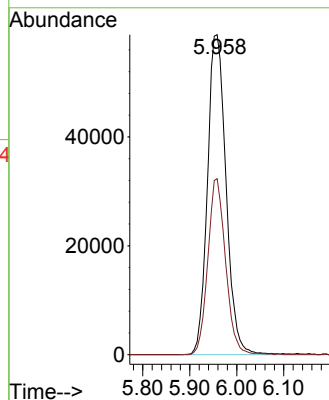
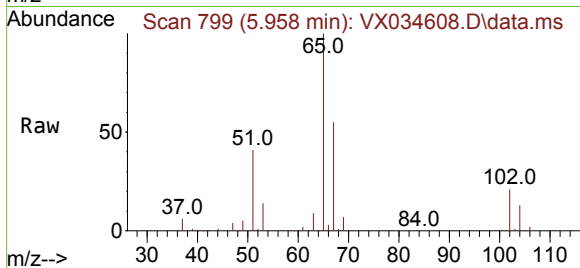
SV-TP1-0316

Tgt Ion: 65 Resp: 161312

Ion Ratio Lower Upper

65 100

67 52.3 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: VX034608.D

Acq: 18 Mar 2023 03:43

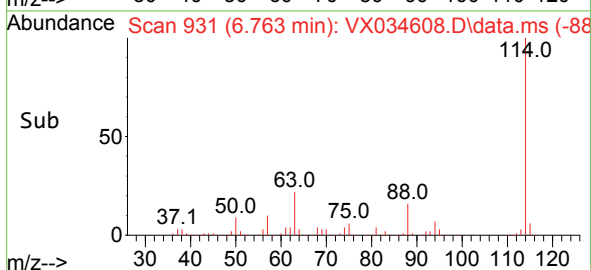
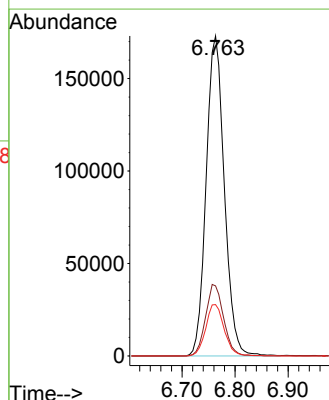
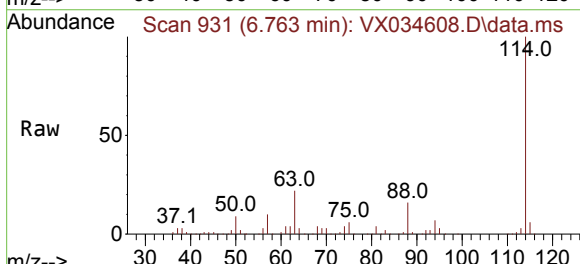
Tgt Ion: 114 Resp: 411977

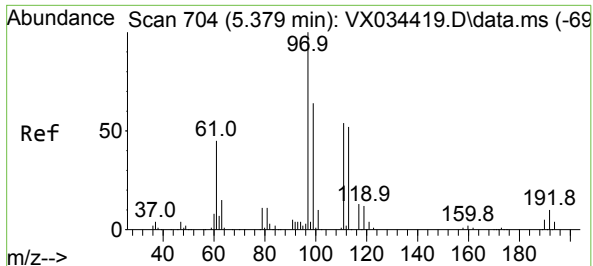
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.2

88 16.1 0.0 33.2

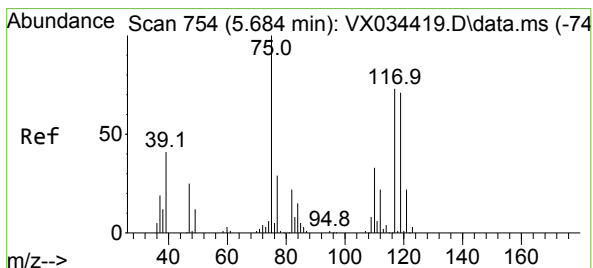
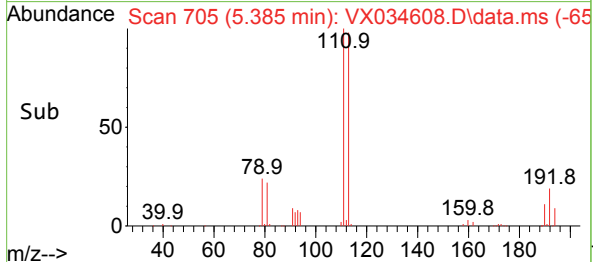
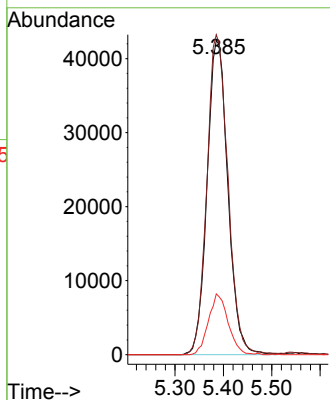
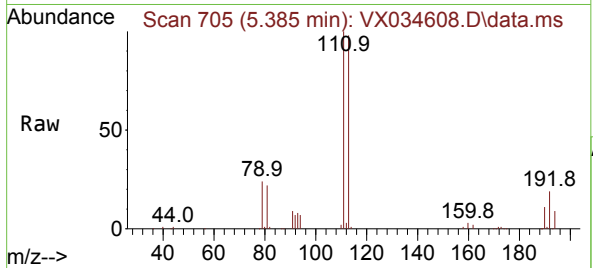




#35
Dibromofluoromethane
Concen: 46.548 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

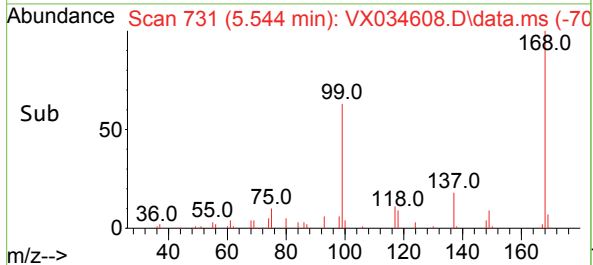
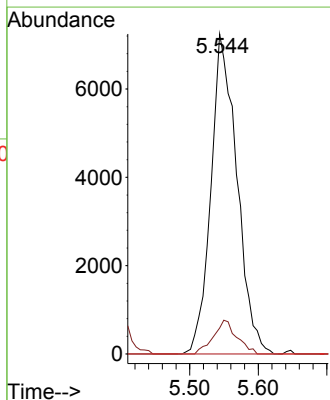
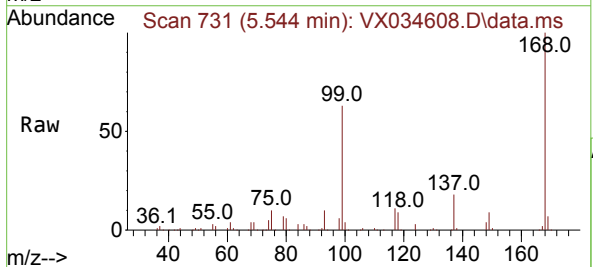
Instrument :
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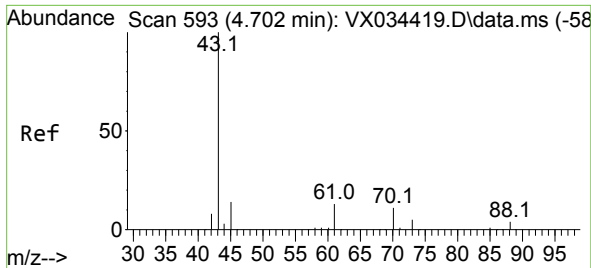
Tgt Ion:113 Resp: 126613
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 18.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.568 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion: 75 Resp: 19083
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 14.268 ug/l

RT: 4.708 min Scan# 593

Delta R.T. 0.006 min

Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

Instrument :

MSVOA_X

ClientSampleId :

SV-TP1-0316

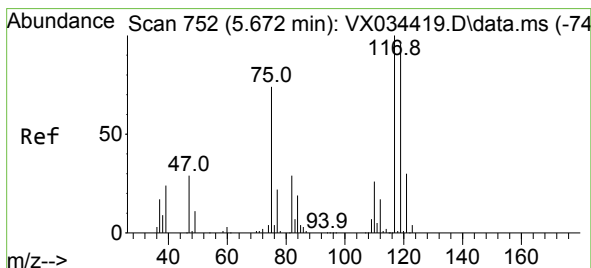
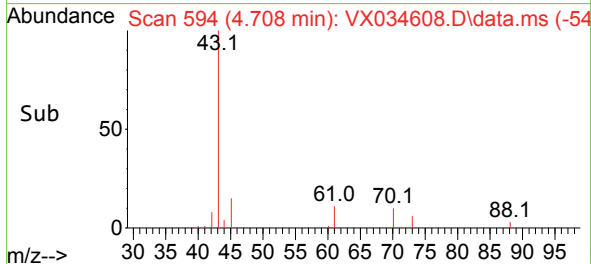
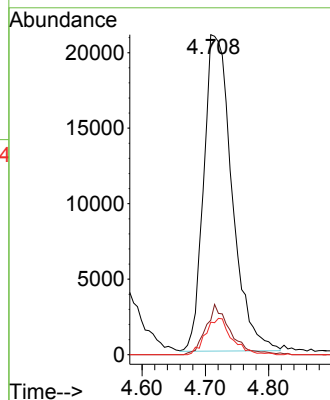
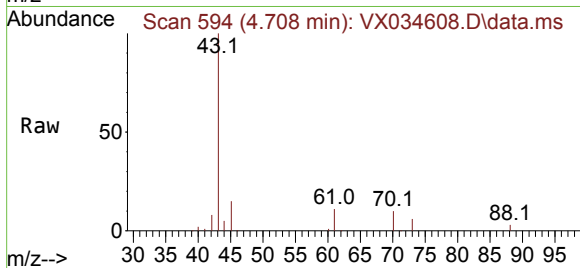
Tgt Ion: 43 Resp: 65122

Ion Ratio Lower Upper

43 100

61 13.6 10.2 15.4

70 10.7 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.593 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

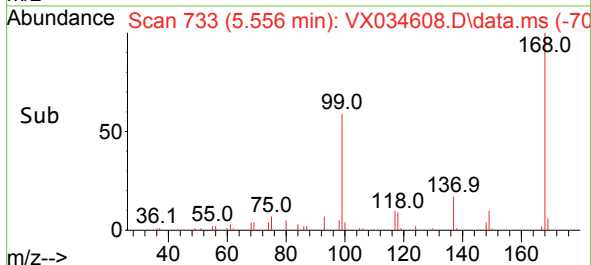
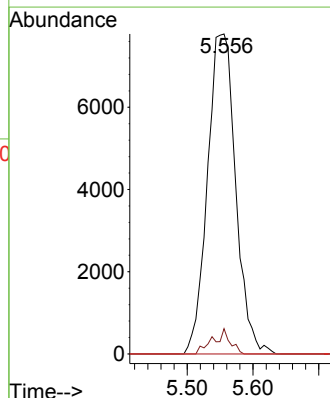
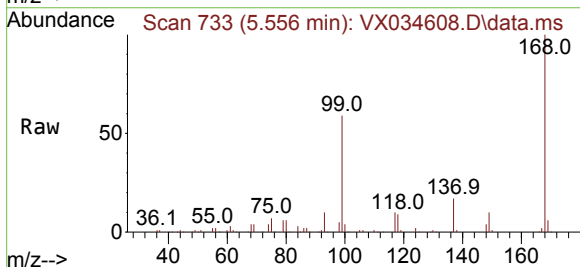
Tgt Ion: 117 Resp: 23245

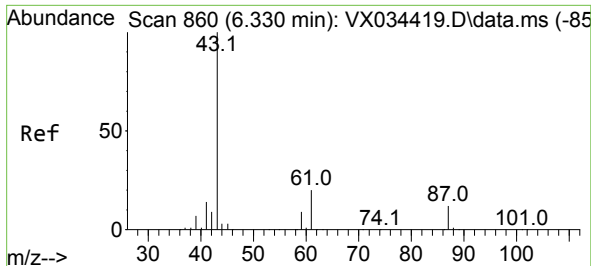
Ion Ratio Lower Upper

117 100

119 7.9 76.6 114.8#

121 0.0 23.8 35.6#

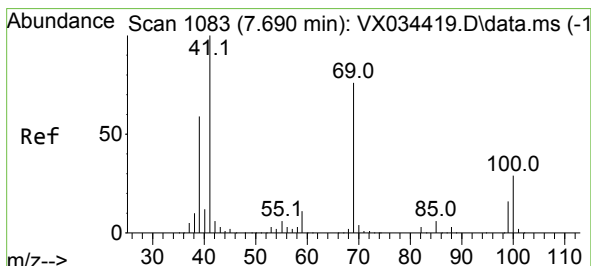
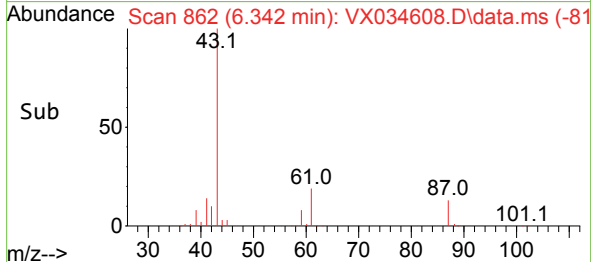
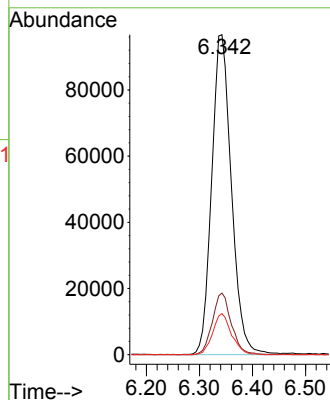
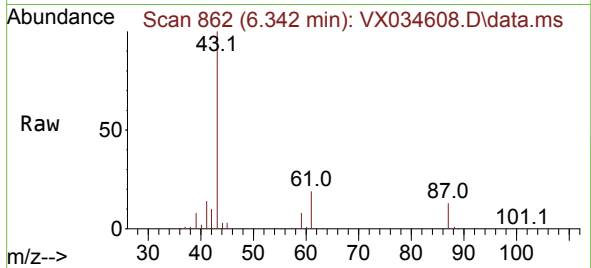




#43
Isopropyl Acetate
Concen: 32.314 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

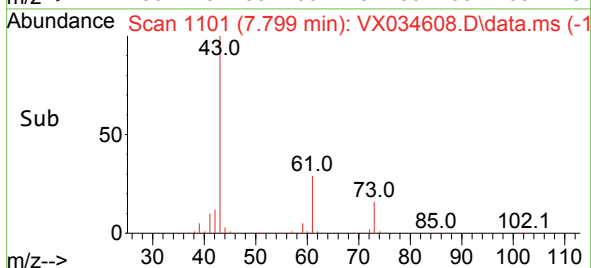
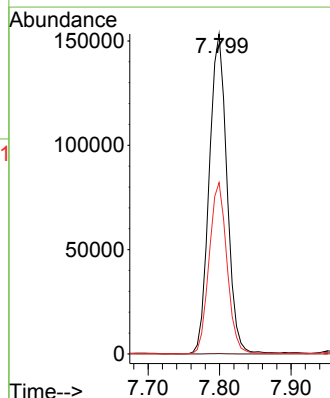
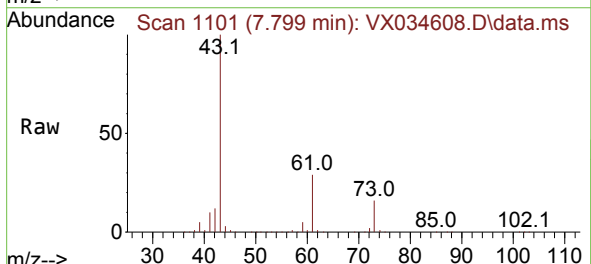
Instrument :
MSVOA_X
ClientSampleId :
SV-TP1-0316

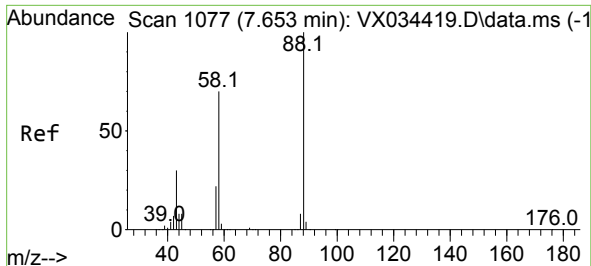
Tgt Ion: 43 Resp: 249853
Ion Ratio Lower Upper
43 100
61 18.5 15.2 22.8
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 71.031 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion: 41 Resp: 264144
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 53.8 47.7 71.5





#49

1,4-Dioxane

Concen: 0.358 ug/l

RT: 7.677 min Scan# 1077

Delta R.T. 0.024 min

Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

Instrument :

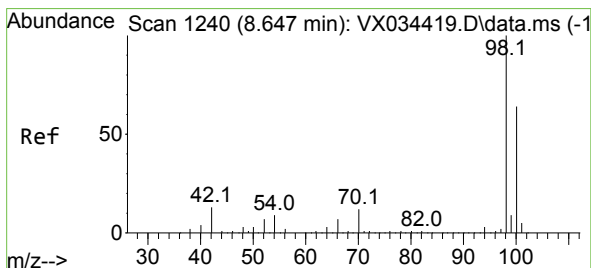
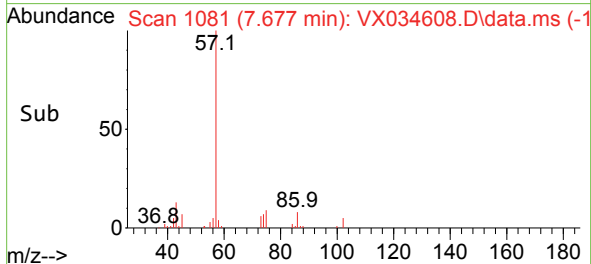
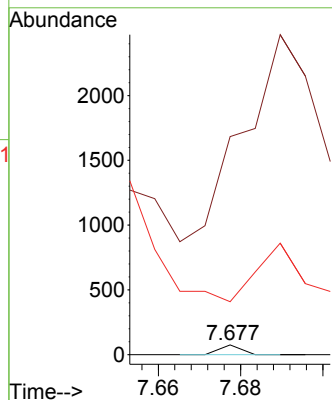
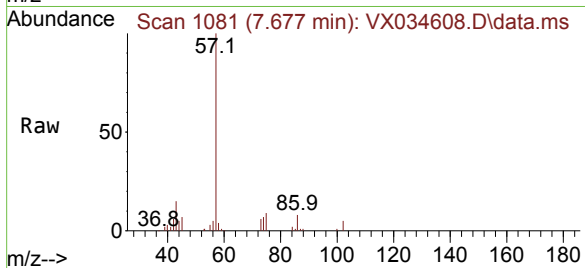
MSVOA_X

ClientSampleId :

SV-TP1-0316

Tgt Ion: 88 Resp: 28

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	4353.6	56.8	85.2#



#50

Toluene-d8

Concen: 54.854 ug/l

RT: 8.647 min Scan# 1240

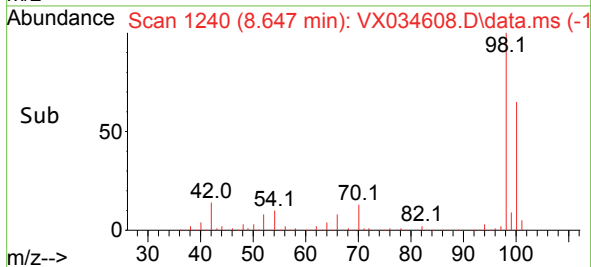
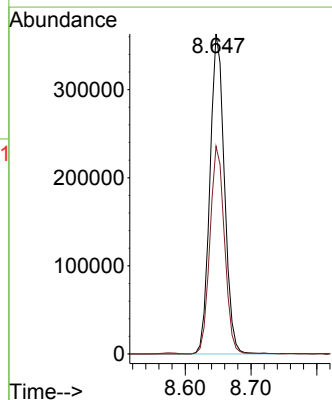
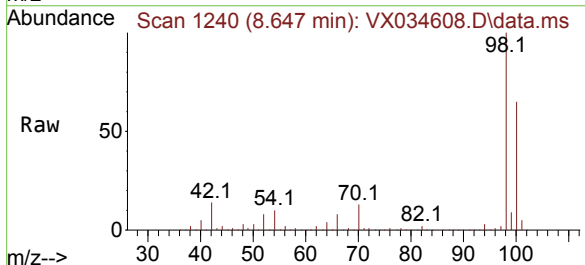
Delta R.T. 0.000 min

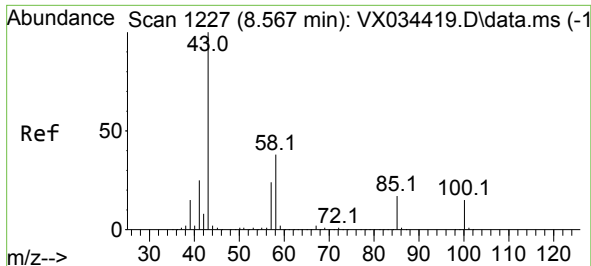
Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

Tgt Ion: 98 Resp: 557000

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.5	78.7

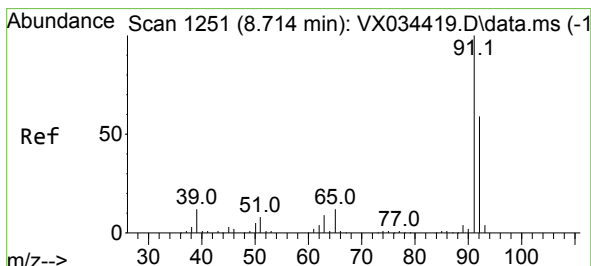
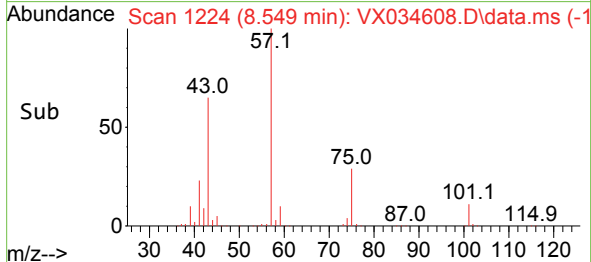
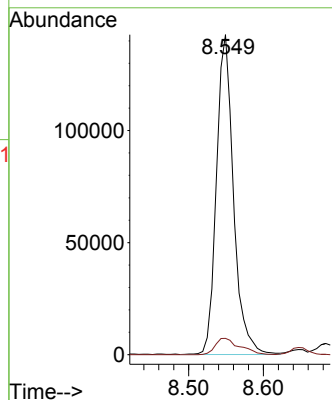
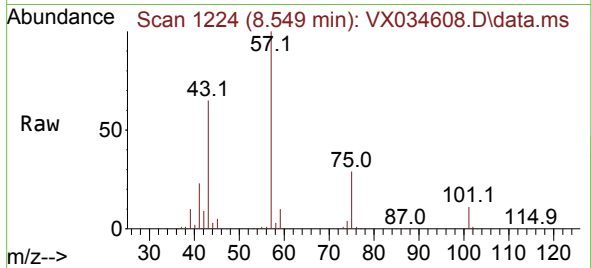




#51
4-Methyl-2-Pentanone
Concen: 50.608 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

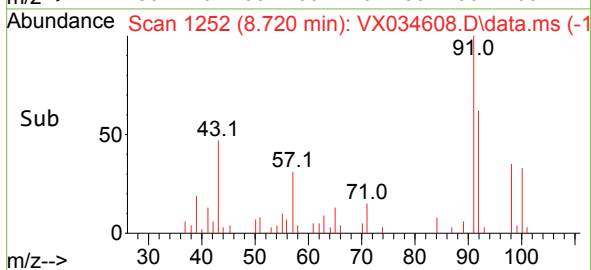
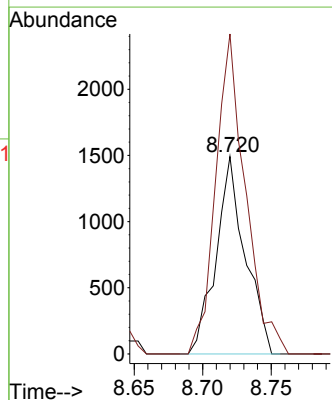
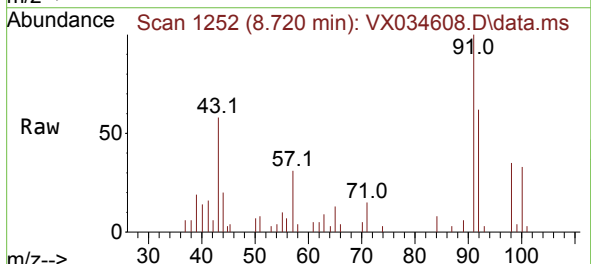
Instrument :
MSVOA_X
ClientSampleId :
SV-TP1-0316

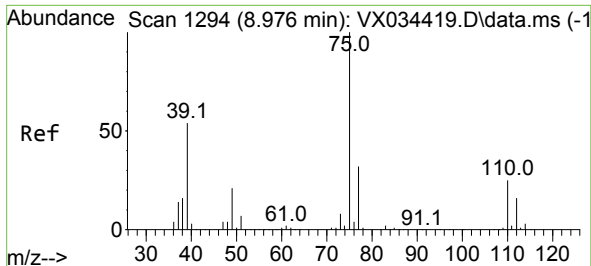
Tgt Ion: 43 Resp: 226997
Ion Ratio Lower Upper
43 100
58 7.3 30.6 46.0#



#52
Toluene
Concen: 0.292 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion: 92 Resp: 2210
Ion Ratio Lower Upper
92 100
91 165.2 136.8 205.2

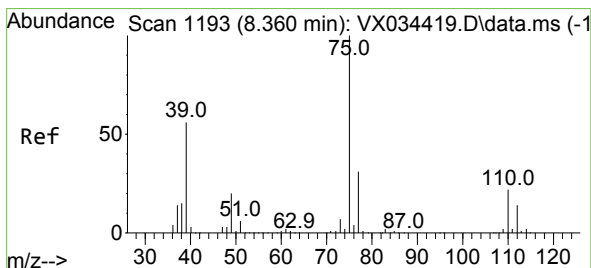
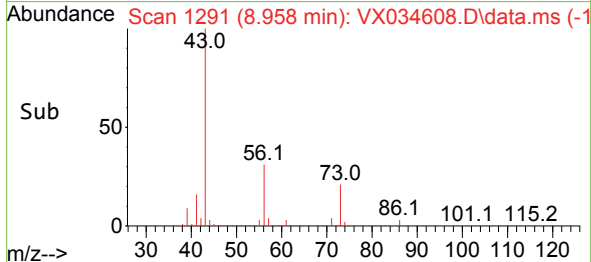
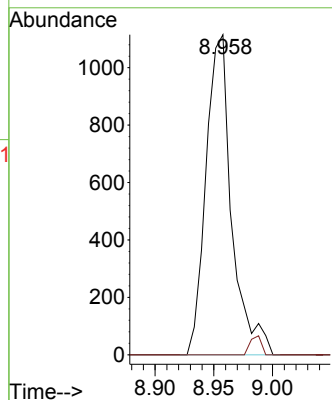
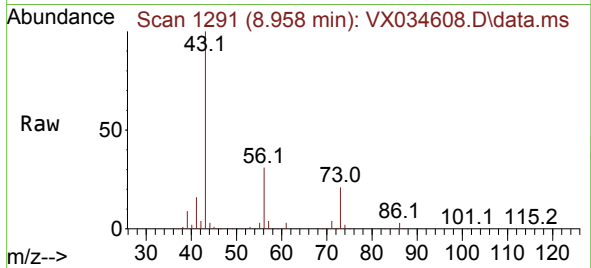




#53
 t-1,3-Dichloropropene
 Concen: 0.358 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX034608.D
 Acq: 18 Mar 2023 03:43

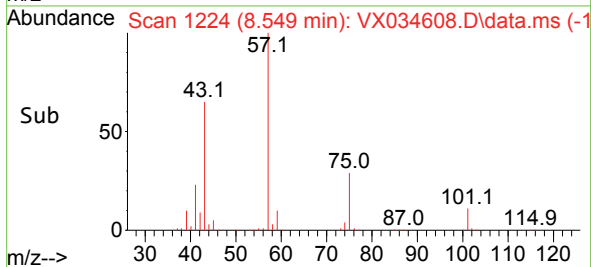
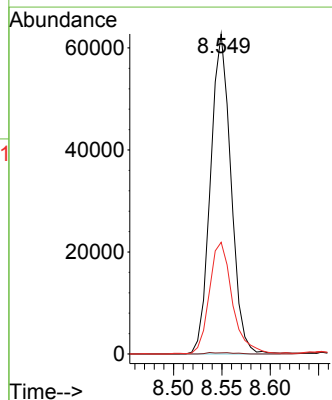
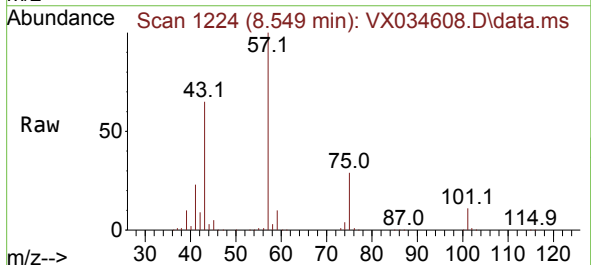
Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP1-0316

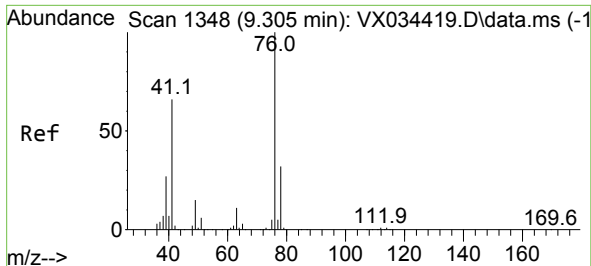
Tgt Ion: 75 Resp: 1694
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.053 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034608.D
 Acq: 18 Mar 2023 03:43

Tgt Ion: 75 Resp: 92394
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 34.7 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.136 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

Instrument :

MSVOA_X

ClientSampleId :

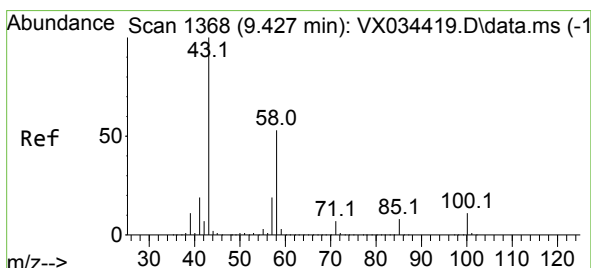
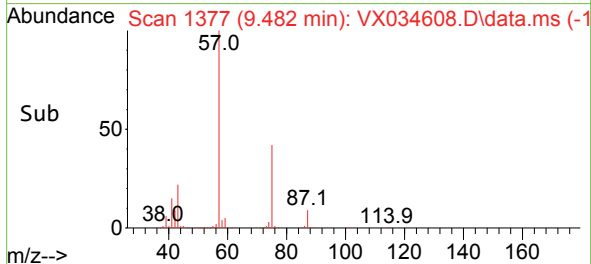
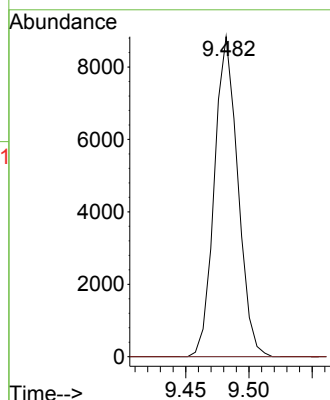
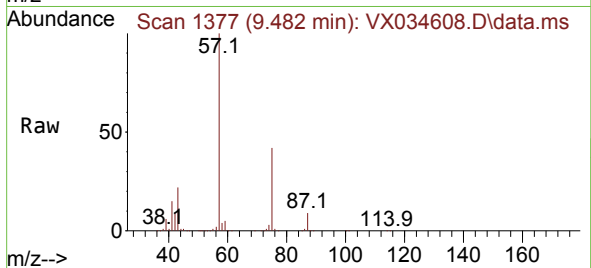
SV-TP1-0316

Tgt Ion: 76 Resp: 11402

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 51.413 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034608.D

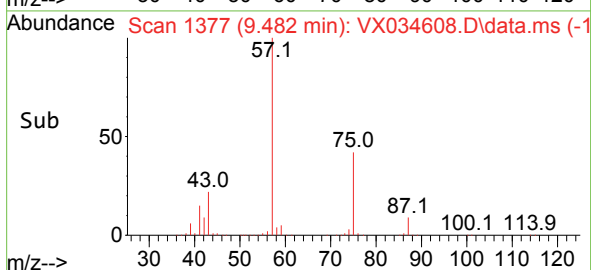
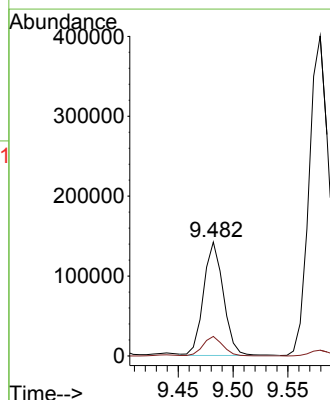
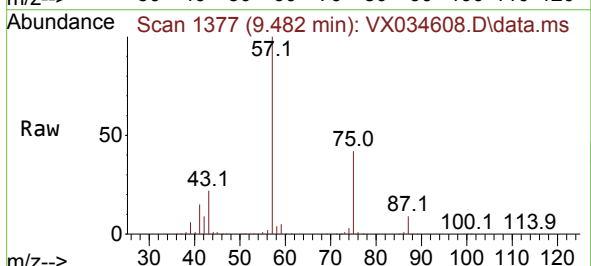
Acq: 18 Mar 2023 03:43

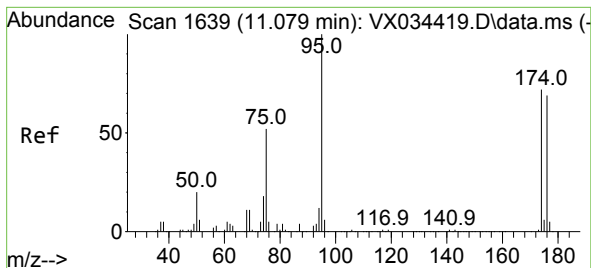
Tgt Ion: 43 Resp: 178265

Ion Ratio Lower Upper

43 100

58 17.7 26.3 78.9#

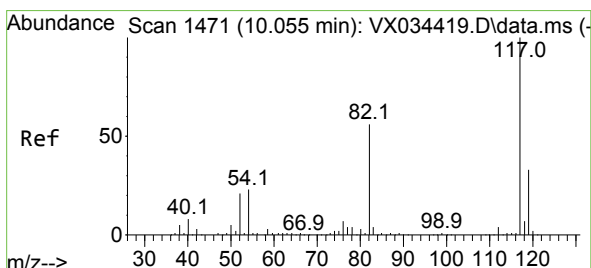
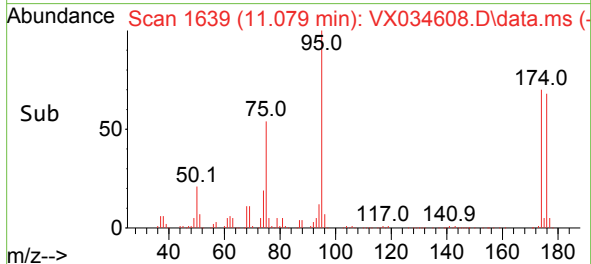
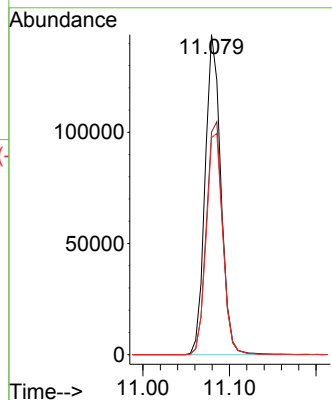
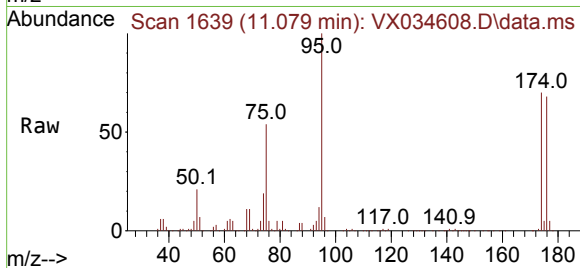




#62
4-Bromofluorobenzene
Concen: 44.268 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

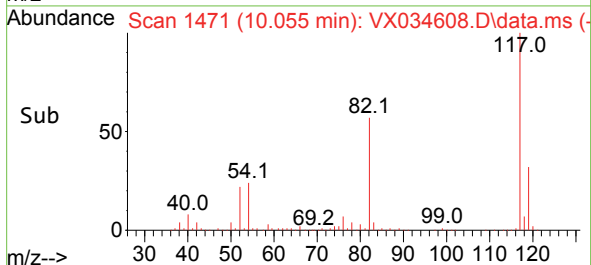
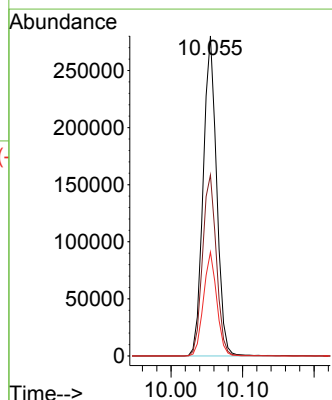
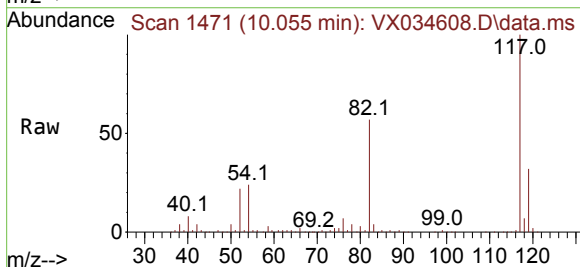
Instrument :
MSVOA_X
ClientSampleId :
SV-TP1-0316

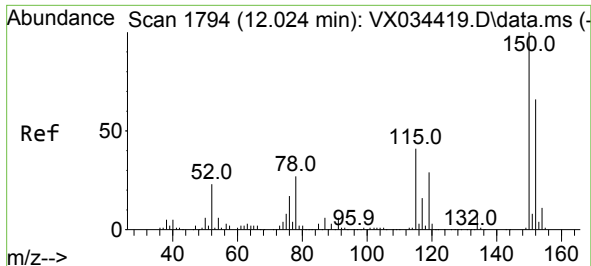
Tgt Ion: 95 Resp: 181567
Ion Ratio Lower Upper
95 100
174 76.0 0.0 147.4
176 72.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034608.D
Acq: 18 Mar 2023 03:43

Tgt Ion: 117 Resp: 366316
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.4 26.0 39.0

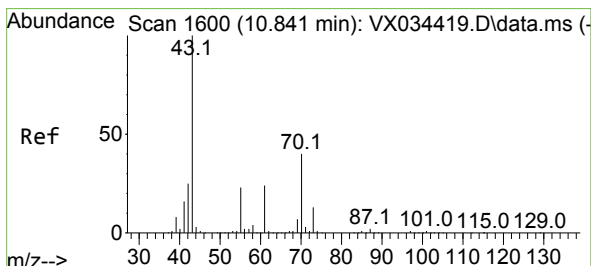
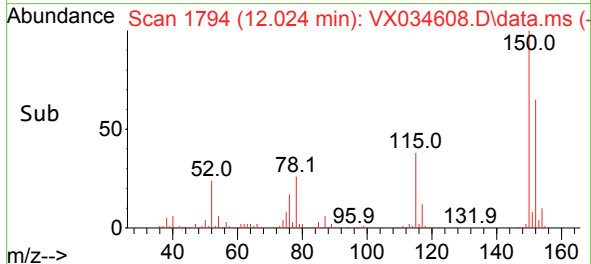
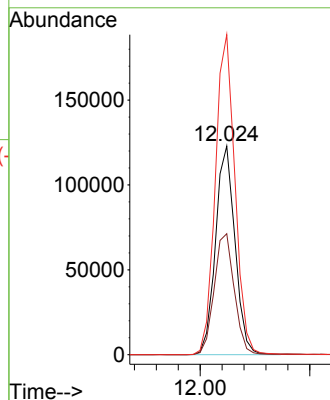
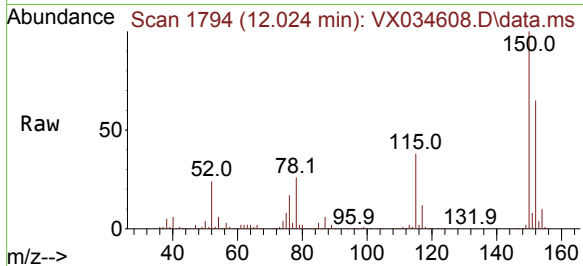




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034608.D
 Acq: 18 Mar 2023 03:43

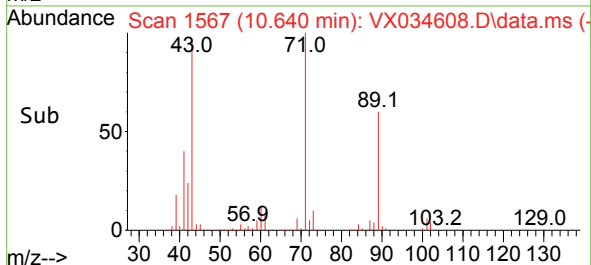
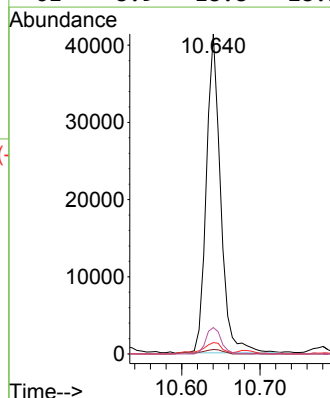
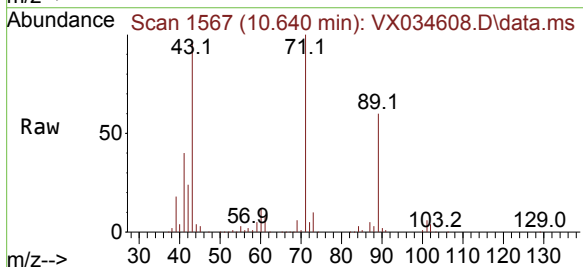
Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP1-0316

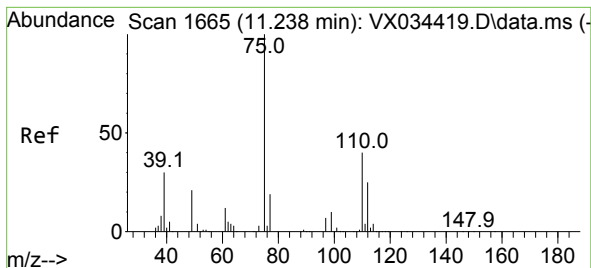
Tgt Ion:152 Resp: 151661
 Ion Ratio Lower Upper
 152 100
 115 60.2 45.0 135.0
 150 155.2 0.0 352.4



#74
 N-ethyl acetate
 Concen: 9.275 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX034608.D
 Acq: 18 Mar 2023 03:43

Tgt Ion: 43 Resp: 52070
 Ion Ratio Lower Upper
 43 100
 70 1.9 32.1 48.1#
 55 5.1 18.3 27.5#
 61 8.9 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.403 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

Instrument :

MSVOA_X

ClientSampleId :

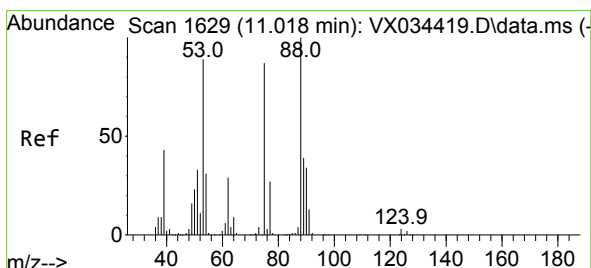
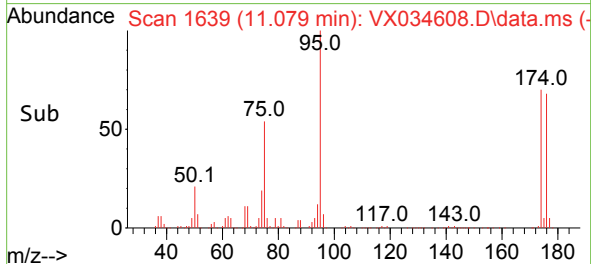
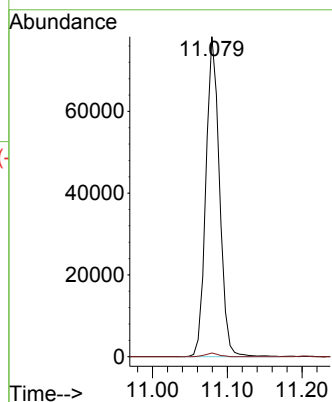
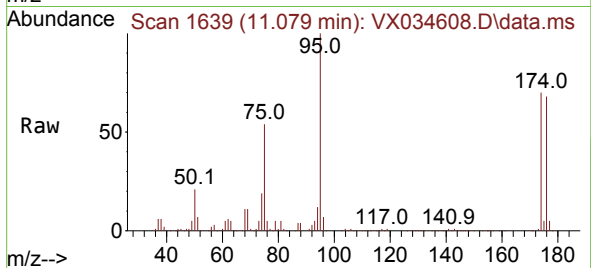
SV-TP1-0316

Tgt Ion: 75 Resp: 98909

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.839 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034608.D

Acq: 18 Mar 2023 03:43

Tgt Ion: 75 Resp: 98909

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.1 36.9 55.3#

