

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033869.D
 Acq On : 24 Jan 2023 15:11
 Operator : JC/MD
 Sample : 01260-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-23

Quant Time: Jan 25 03:17:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

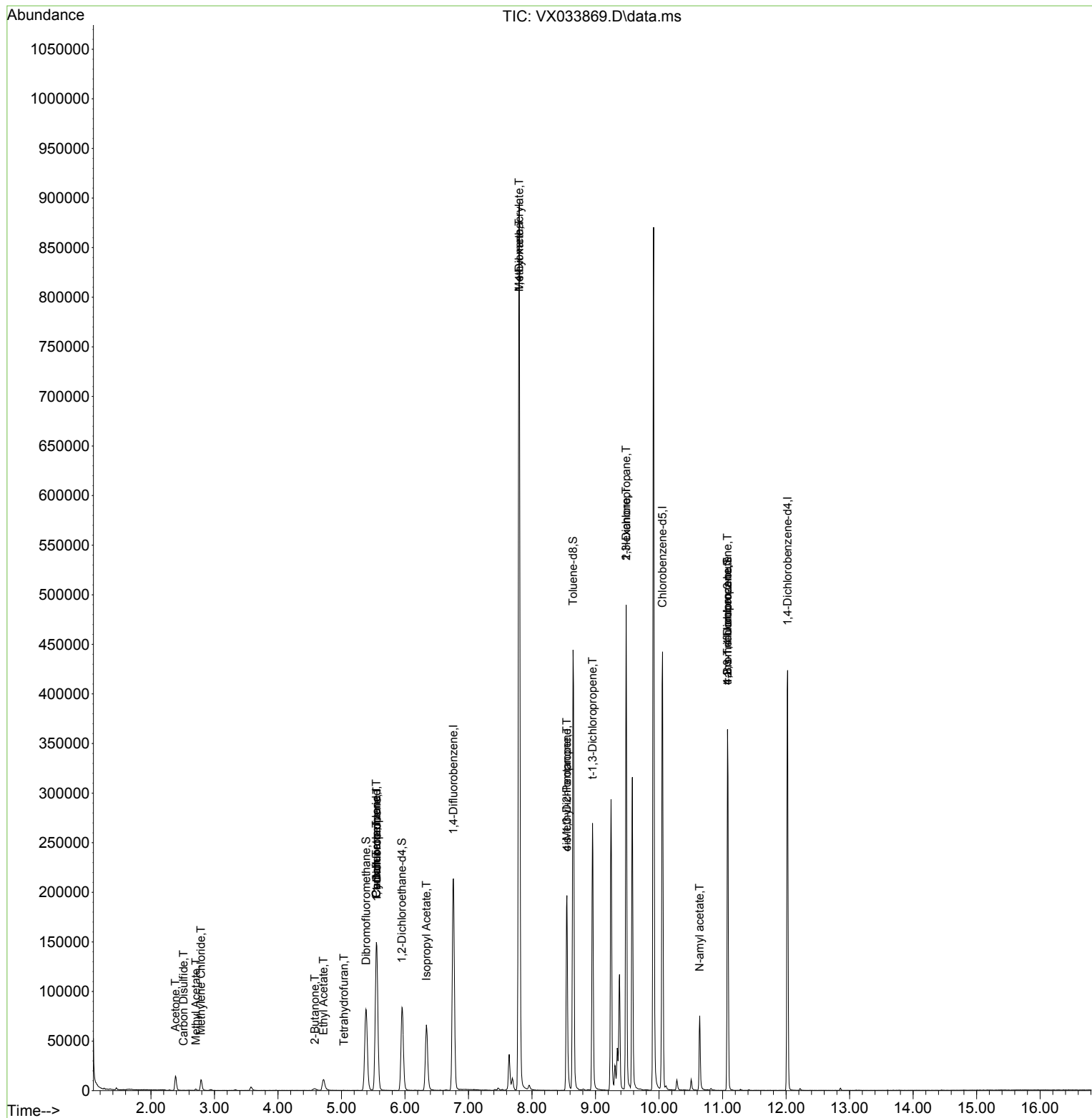
Internal Standards						
1) Pentafluorobenzene	5.550	168	163026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79675	46.417	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.840%
35) Dibromofluoromethane	5.385	113	74092	50.372	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.740%
50) Toluene-d8	8.647	98	270625	50.497	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.000%
62) 4-Bromofluorobenzene	11.079	95	92570	46.523	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.040%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	17683	16.790	ug/l	92
17) Carbon Disulfide	2.514	76	299	1.908	ug/l #	76
18) Methyl Acetate	2.709	43	1519	0.634	ug/l	93
20) Methylene Chloride	2.788	84	5680	1.369	ug/l	94
25) 2-Butanone	4.580	43	2613	2.330	ug/l	90
29) Tetrahydrofuran	5.038	42	155	0.219	ug/l #	34
31) Cyclohexane	5.550	56	2412	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9555	4.451	ug/l #	48
37) Ethyl Acetate	4.714	43	20323	7.492	ug/l	97
38) Carbon Tetrachloride	5.550	117	13840	6.225	ug/l #	15
43) Isopropyl Acetate	6.336	43	90490	26.701	ug/l	98
48) Methyl methacrylate	7.799	41	75205	44.053	ug/l #	44
49) 1,4-Dioxane	7.799	88	91	2.410	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	68777	33.045	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	540	0.256	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33132	14.013	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	4188	1.615	ug/l #	43
59) 2-Hexanone	9.482	43	56016	38.668	ug/l #	51
73) Isopropylbenzene	11.085	105	90	Below Cal	#	48
74) N-amyl acetate	10.640	43	20722	7.976	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	42800	23.545	ug/l #	34
79) 2-Chlorotoluene	11.305	91	45	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42800	73.175	ug/l #	8
82) 4-Chlorotoluene	11.305	91	45	Below Cal	#	43

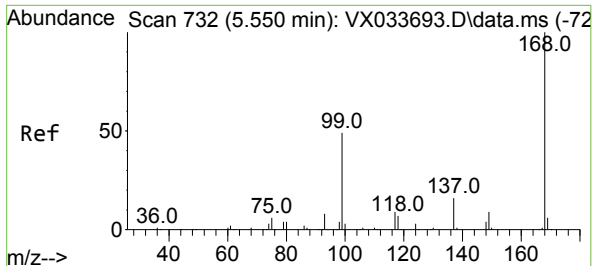
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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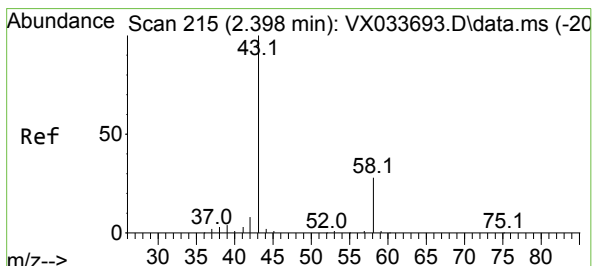
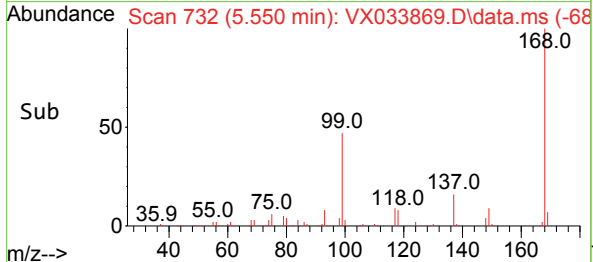
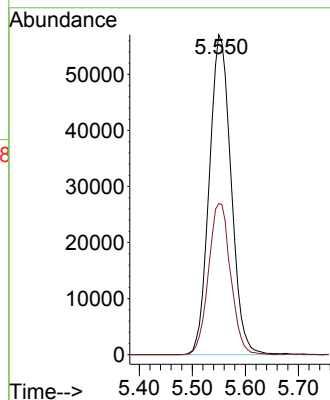
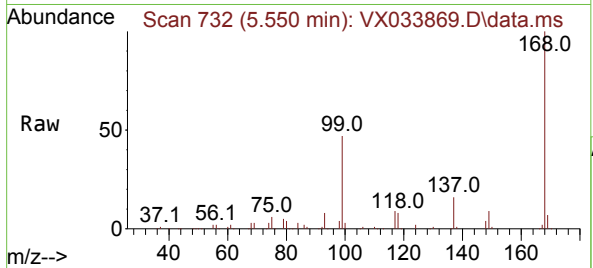




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

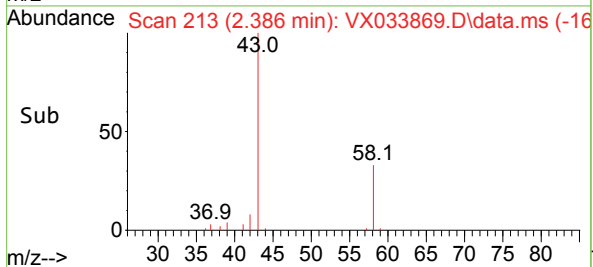
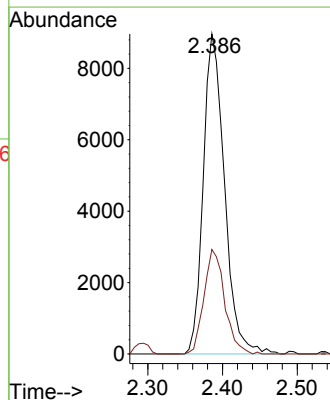
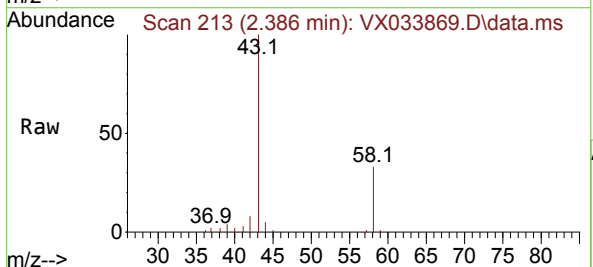
Instrument :
MSVOA_X
ClientSampleId :
TP-23

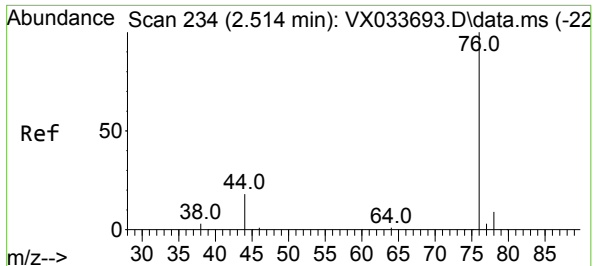
Tgt Ion:168 Resp: 163026
Ion Ratio Lower Upper
168 100
99 47.2 39.6 59.4



#16
Acetone
Concen: 16.790 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 43 Resp: 17683
Ion Ratio Lower Upper
43 100
58 32.6 22.6 33.8





#17

Carbon Disulfide

Concen: 1.908 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

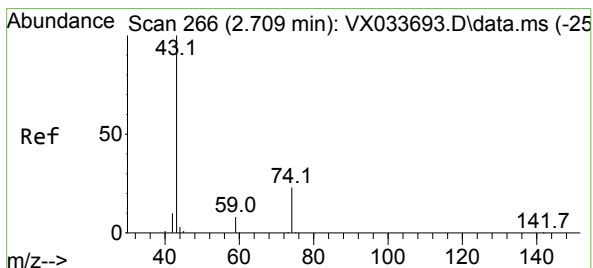
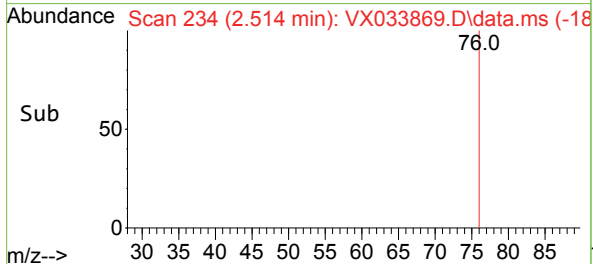
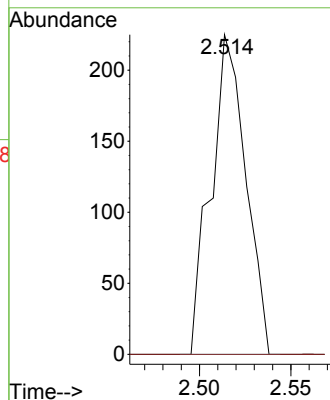
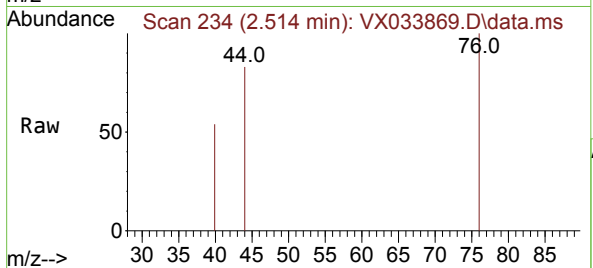
TP-23

Tgt Ion: 76 Resp: 299

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.634 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX033869.D

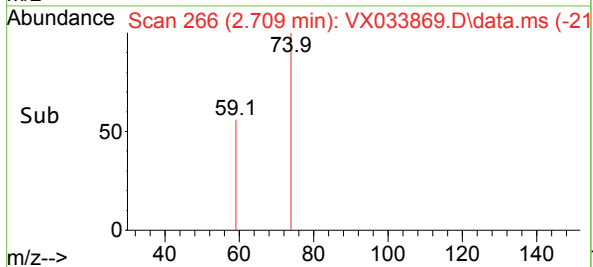
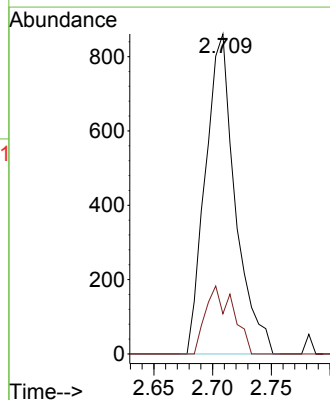
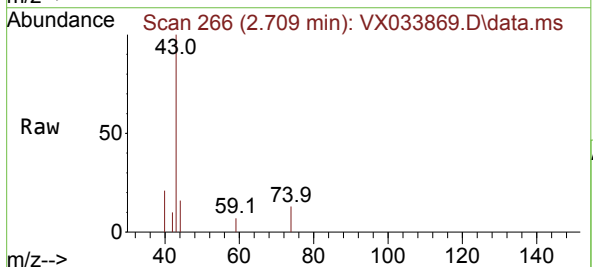
Acq: 24 Jan 2023 15:11

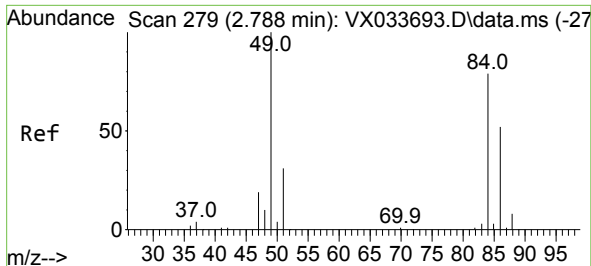
Tgt Ion: 43 Resp: 1519

Ion Ratio Lower Upper

43 100

74 19.6 18.2 27.4

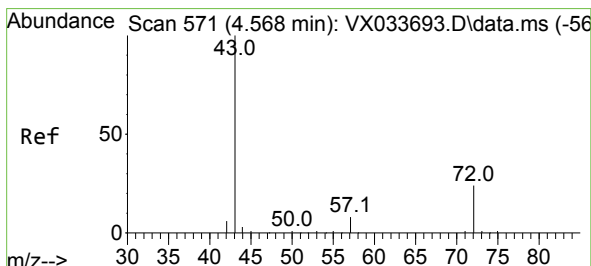
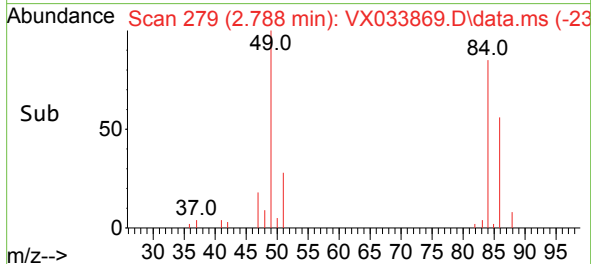
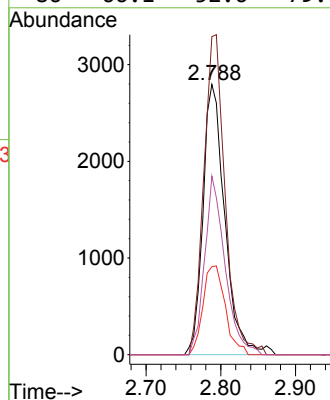
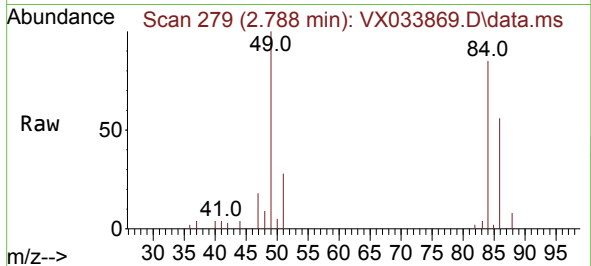




#20
Methylene Chloride
Concen: 1.369 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

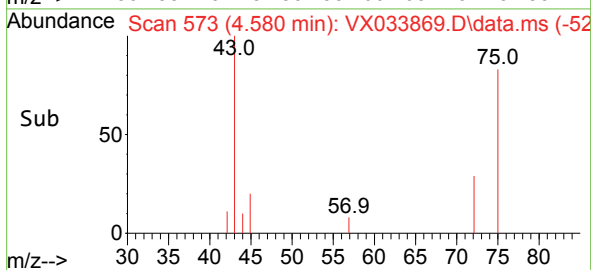
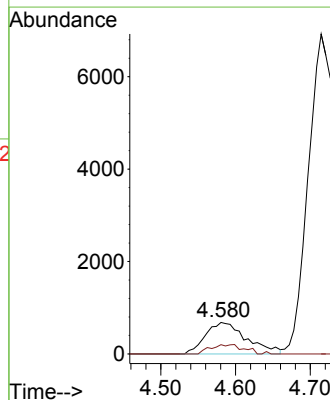
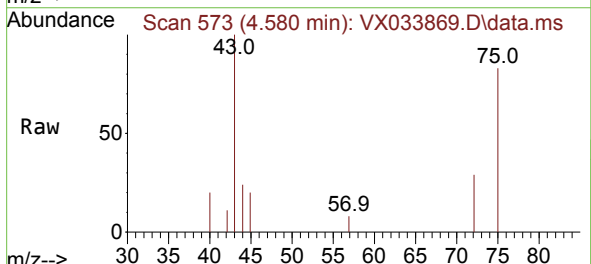
Instrument :
MSVOA_X
ClientSampleId :
TP-23

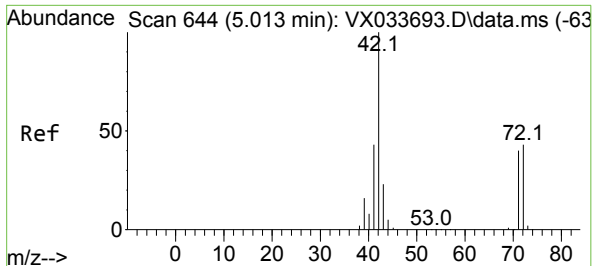
Tgt Ion:	84	Resp:	5680
Ion	Ratio	Lower	Upper
84	100		
49	117.7	101.1	151.7
51	32.6	31.0	46.6
86	66.1	52.6	79.0



#25
2-Butanone
Concen: 2.330 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion:	43	Resp:	2613
Ion	Ratio	Lower	Upper
43	100		
72	29.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

TP-23

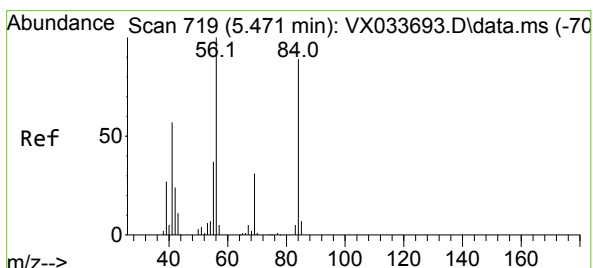
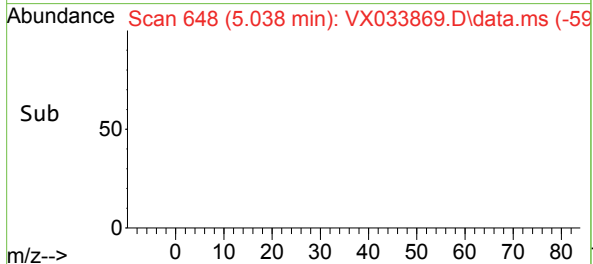
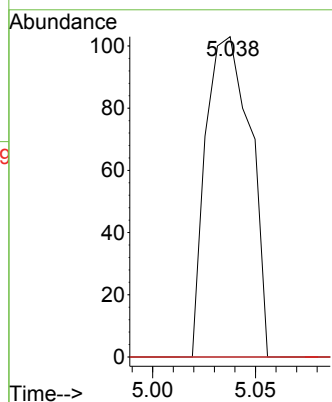
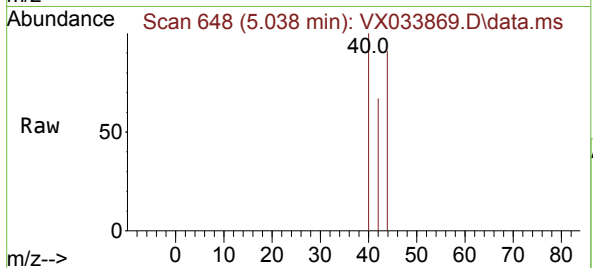
Tgt Ion: 42 Resp: 155

Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 0.955 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

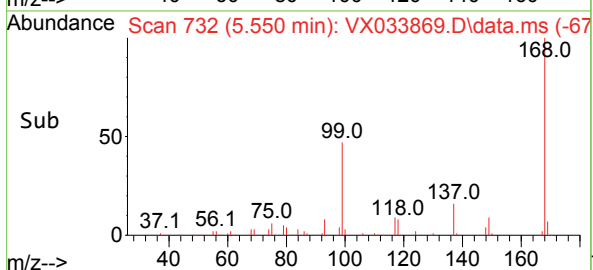
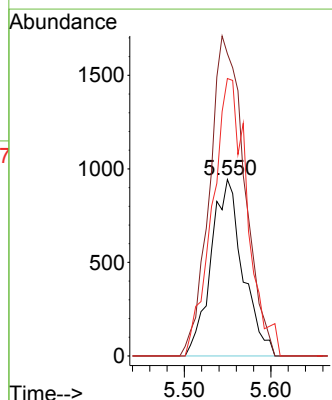
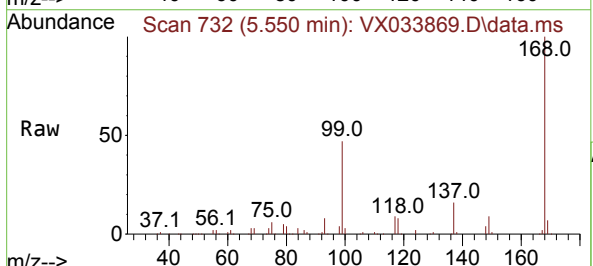
Tgt Ion: 56 Resp: 2412

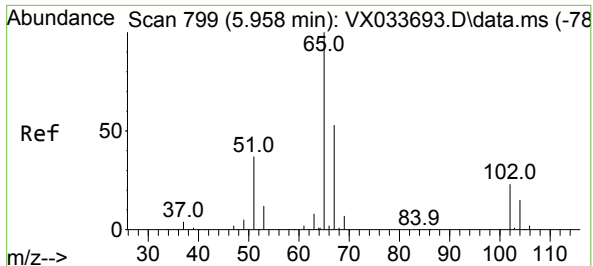
Ion Ratio Lower Upper

56 100

69 171.3 24.6 37.0#

84 157.3 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.417 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

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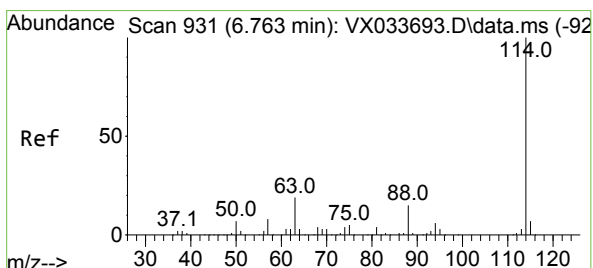
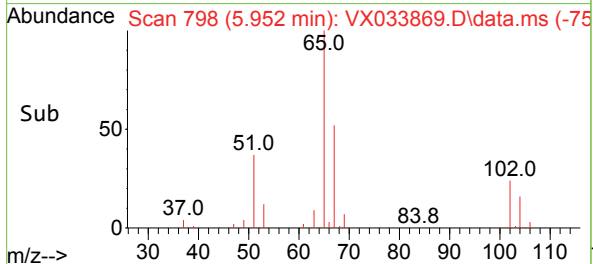
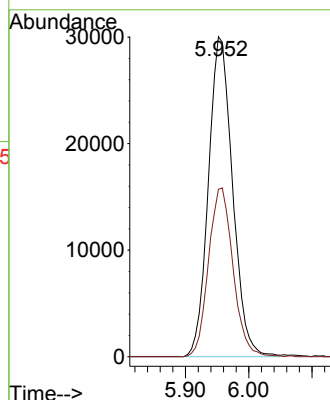
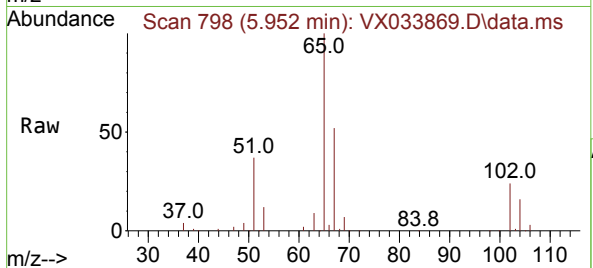
TP-23

Tgt Ion: 65 Resp: 79675

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

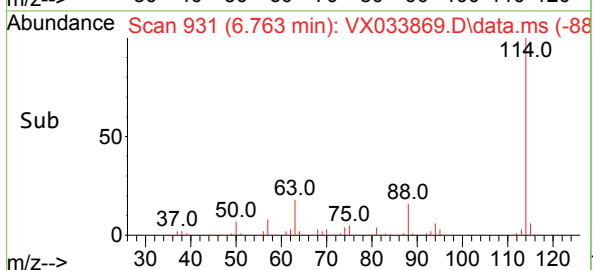
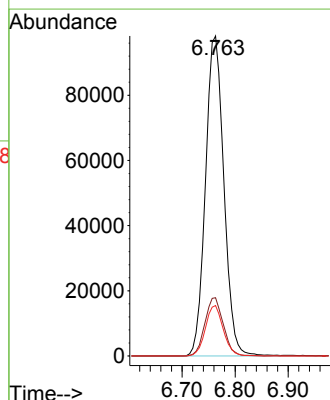
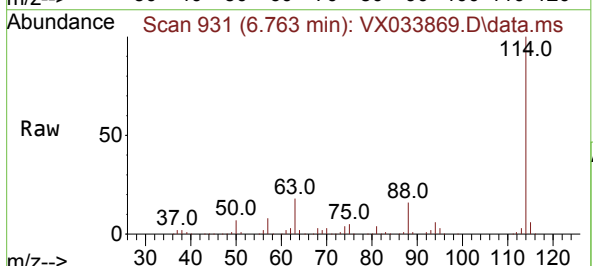
Tgt Ion:114 Resp: 236879

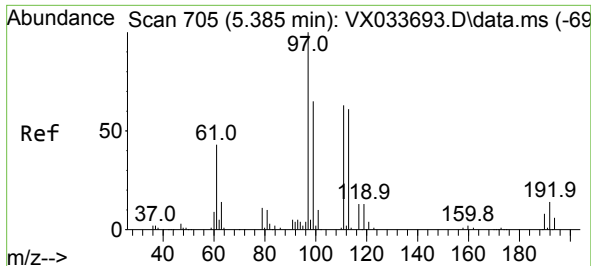
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.4

88 15.7 0.0 30.6

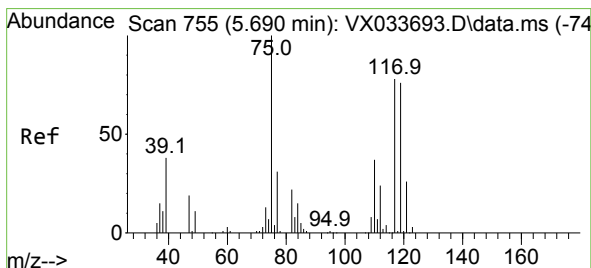
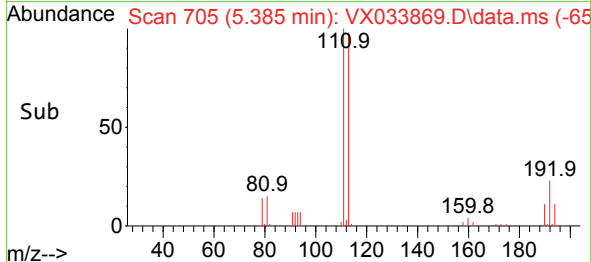
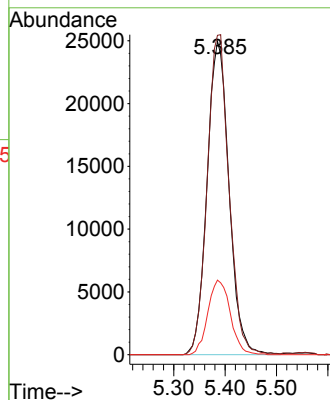
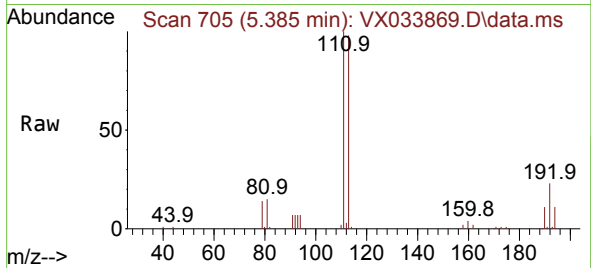




#35
Dibromofluoromethane
Concen: 50.372 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

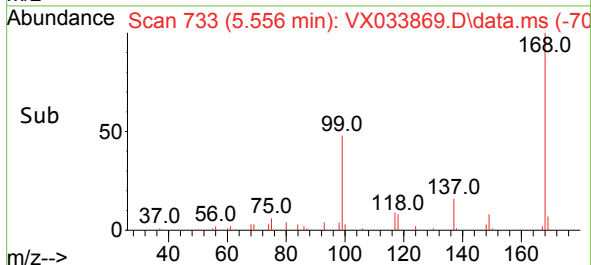
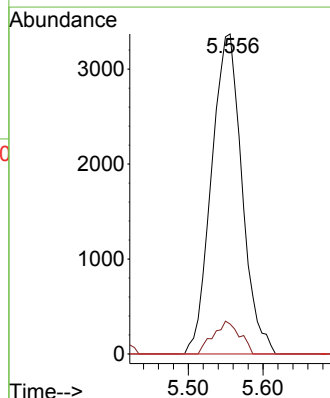
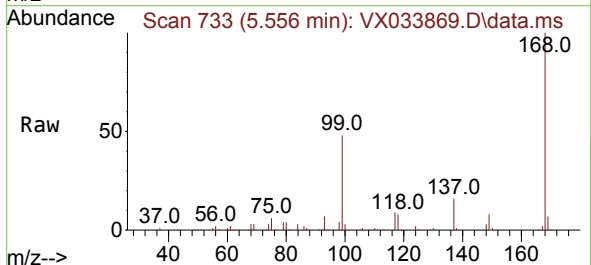
Instrument :
MSVOA_X
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TP-23

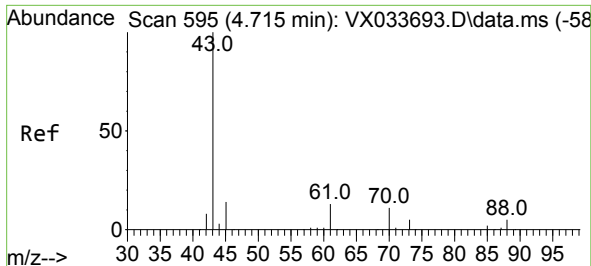
Tgt Ion:113 Resp: 74092
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.6
192 24.3 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.451 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 75 Resp: 9555
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.492 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

TP-23

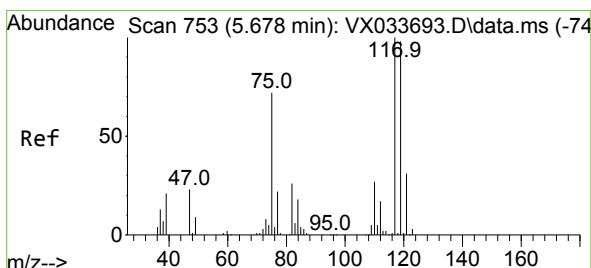
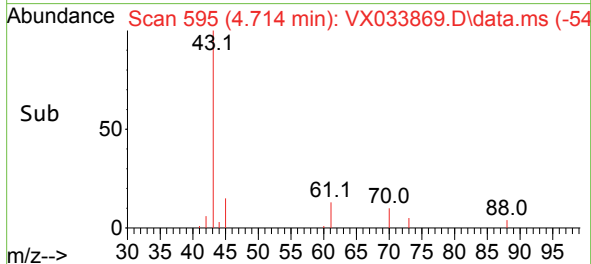
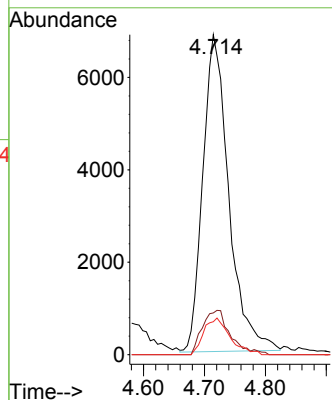
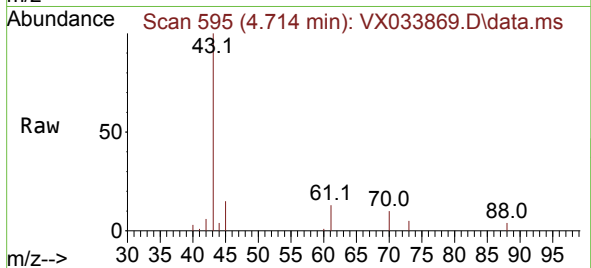
Tgt Ion: 43 Resp: 20323

Ion Ratio Lower Upper

43 100

61 15.0 11.1 16.7

70 11.7 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.225 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

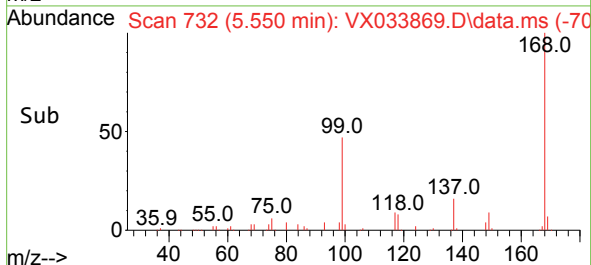
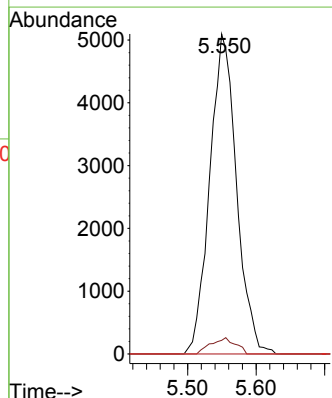
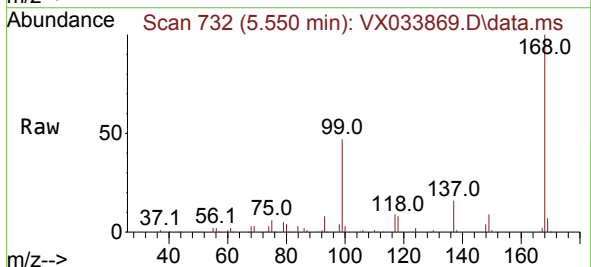
Tgt Ion: 117 Resp: 13840

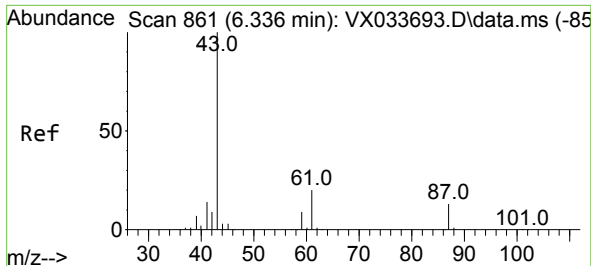
Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

121 0.0 24.4 36.6#

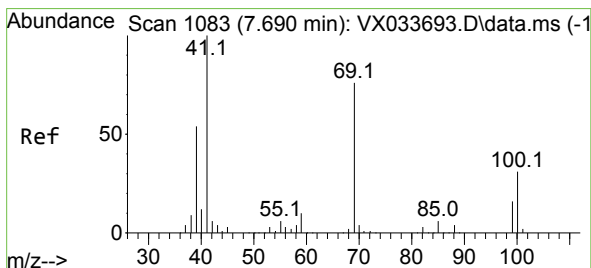
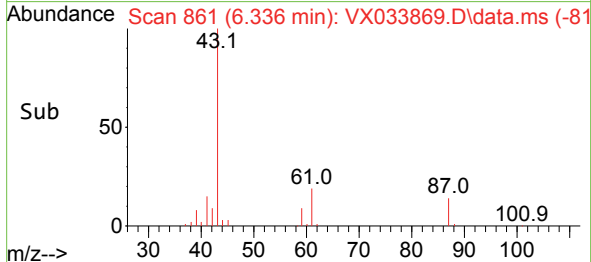
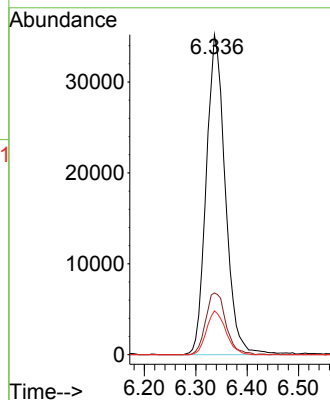
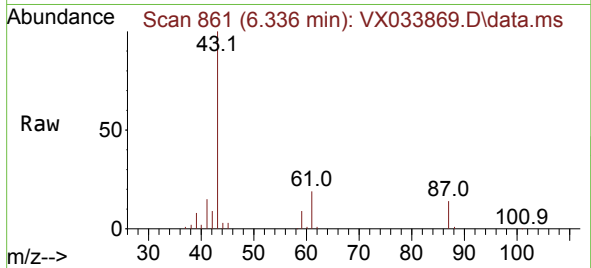




#43
Isopropyl Acetate
Concen: 26.701 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

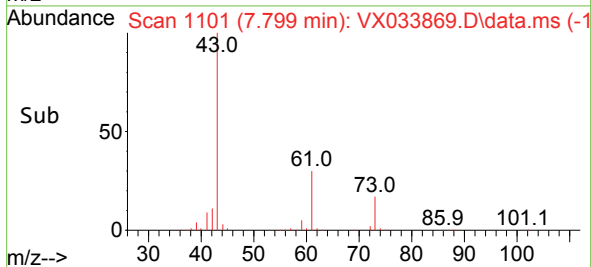
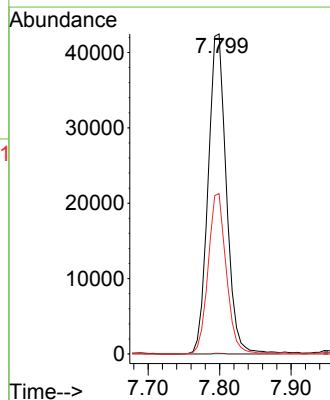
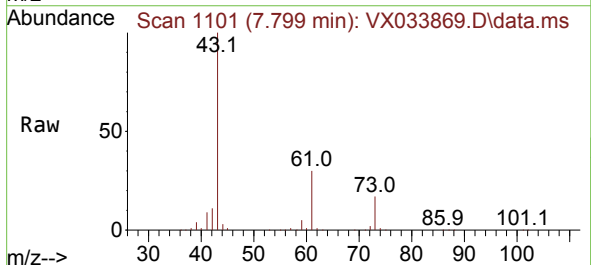
Instrument :
MSVOA_X
ClientSampleId :
TP-23

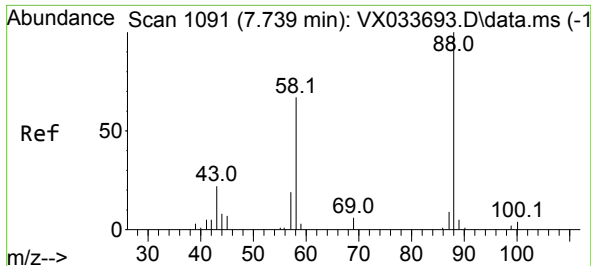
Tgt Ion: 43 Resp: 90490
Ion Ratio Lower Upper
43 100
61 20.5 15.7 23.5
87 13.8 10.6 15.8



#48
Methyl methacrylate
Concen: 44.053 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 41 Resp: 75205
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 50.1 43.2 64.8

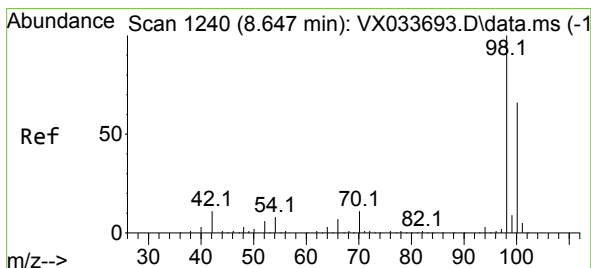
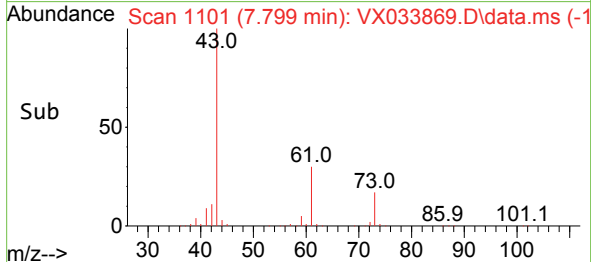
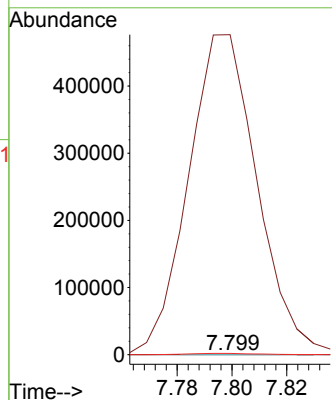
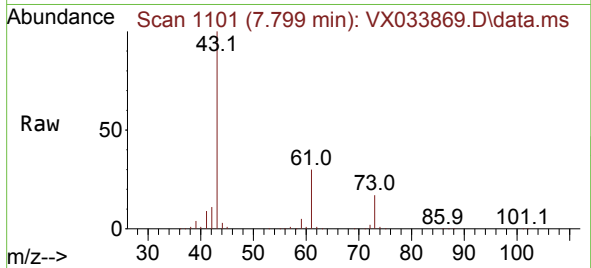




#49
1,4-Dioxane
Concen: 2.410 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

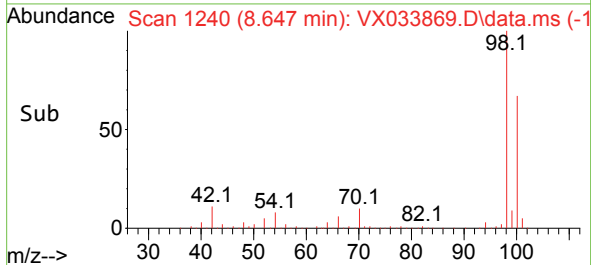
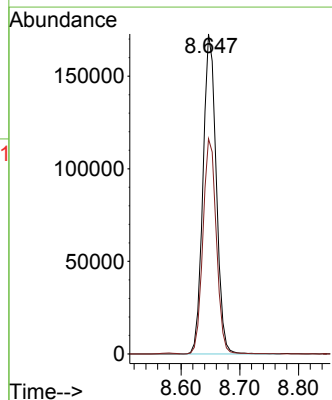
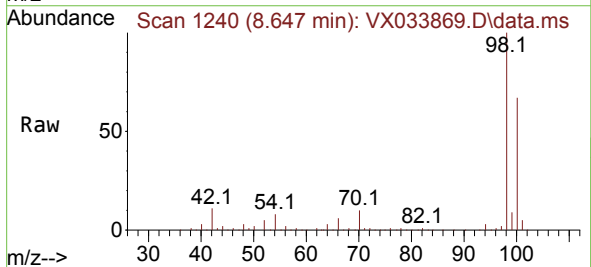
Instrument :
MSVOA_X
ClientSampleId :
TP-23

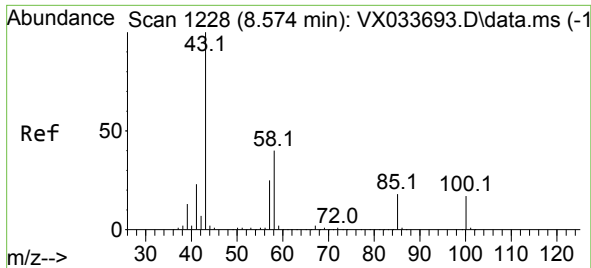
Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 927041.8 0.0 0.0#
58 3820.9 56.5 84.7#



#50
Toluene-d8
Concen: 50.497 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 98 Resp: 270625
Ion Ratio Lower Upper
98 100
100 68.0 53.6 80.4

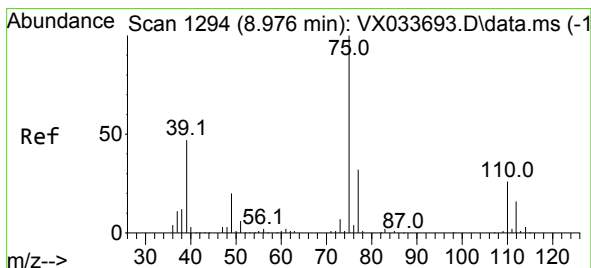
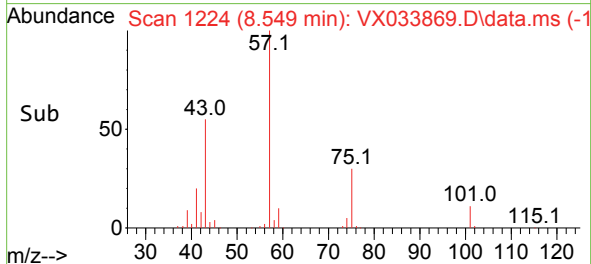
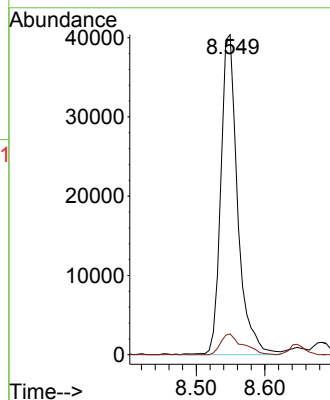
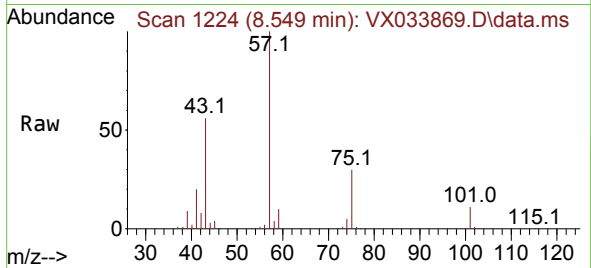




#51
4-Methyl-2-Pentanone
Concen: 33.045 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

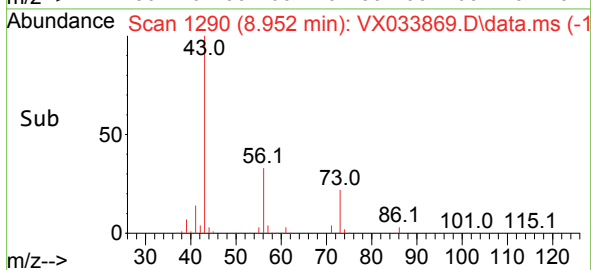
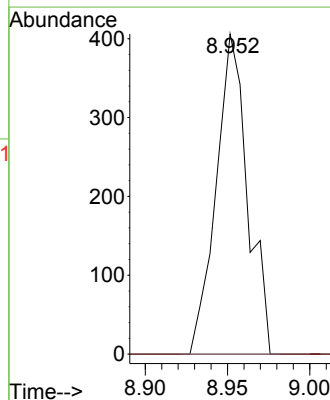
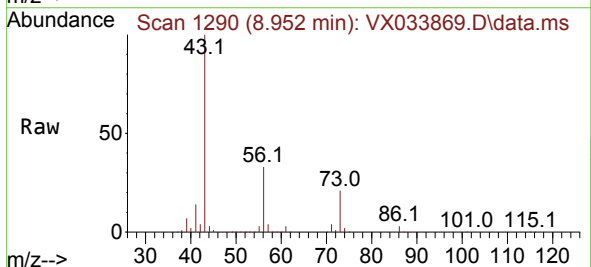
Instrument :
MSVOA_X
ClientSampleId :
TP-23

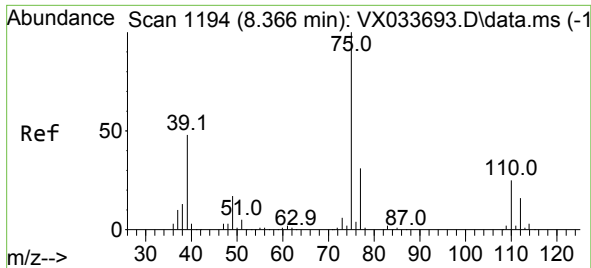
Tgt Ion: 43 Resp: 68777
Ion Ratio Lower Upper
43 100
58 8.5 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.256 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 75 Resp: 540
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

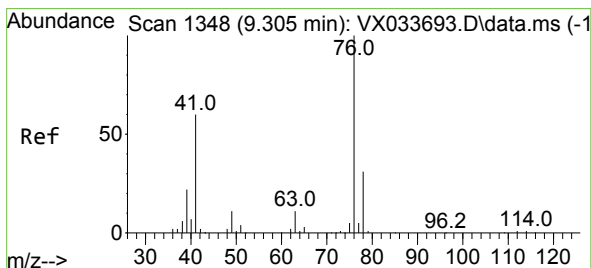
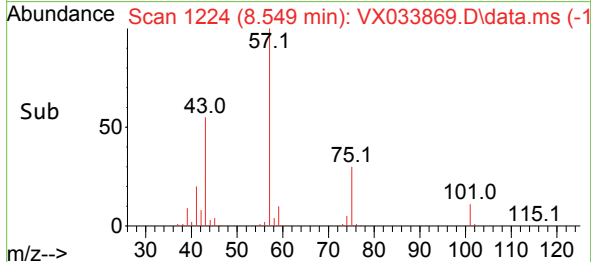
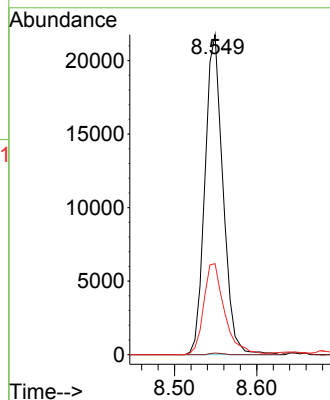
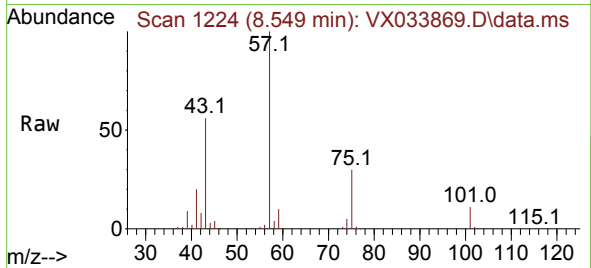




#54
 cis-1,3-Dichloropropene
 Concen: 14.013 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033869.D
 Acq: 24 Jan 2023 15:11

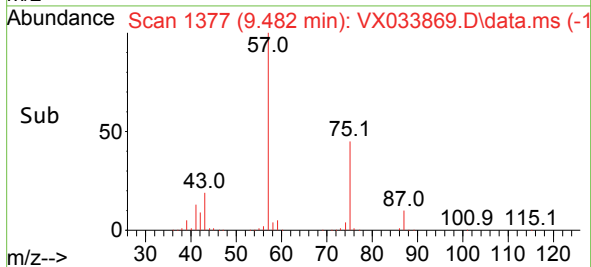
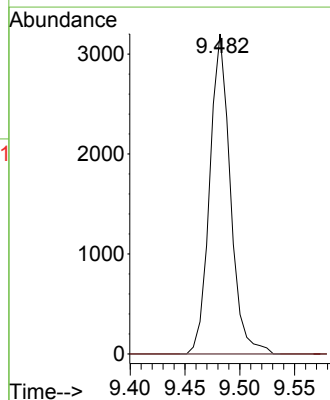
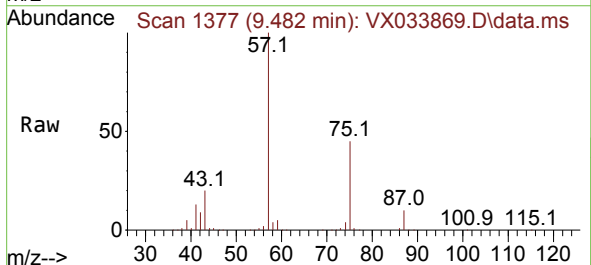
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-23

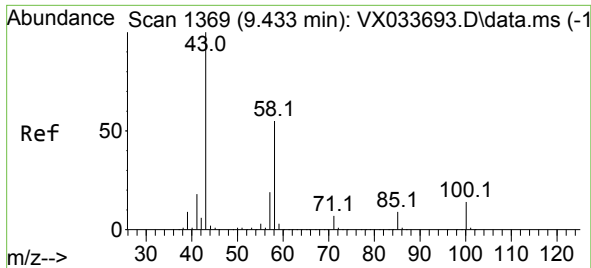
Tgt Ion: 75 Resp: 33132
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 28.4 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 1.615 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX033869.D
 Acq: 24 Jan 2023 15:11

Tgt Ion: 76 Resp: 4188
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

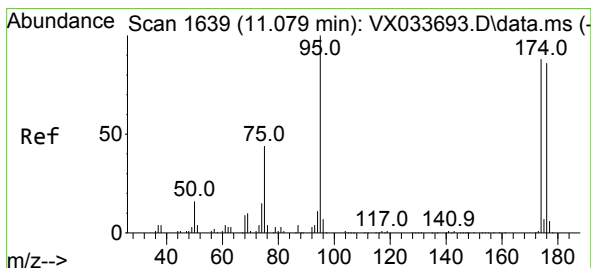
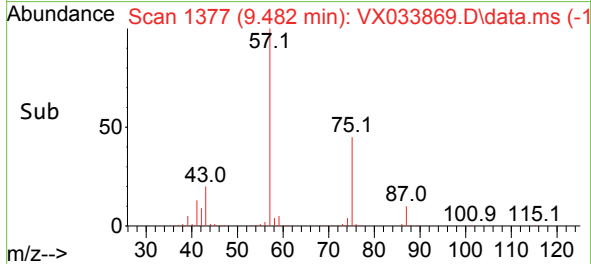
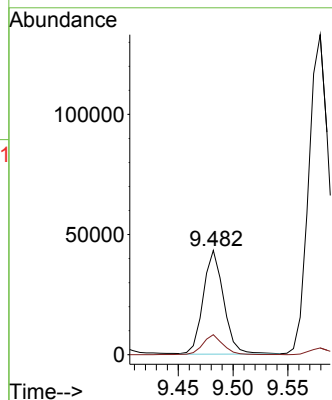
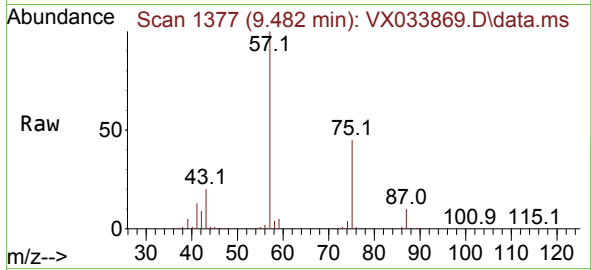




#59
2-Hexanone
Concen: 38.668 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

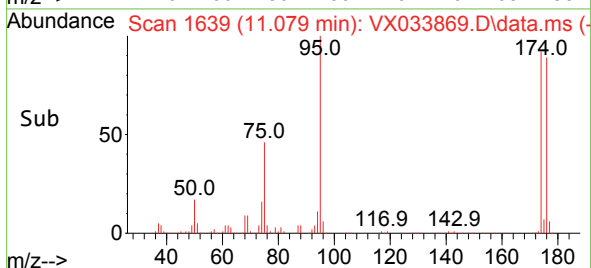
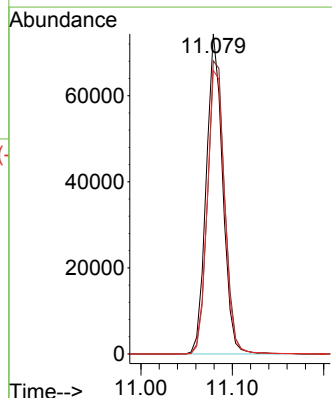
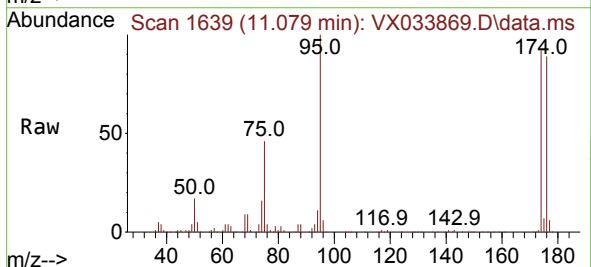
Instrument :
MSVOA_X
ClientSampleId :
TP-23

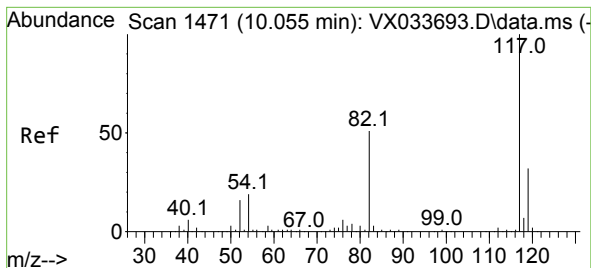
Tgt Ion: 43 Resp: 56016
Ion Ratio Lower Upper
43 100
58 19.4 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.523 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 95 Resp: 92570
Ion Ratio Lower Upper
95 100
174 96.5 0.0 184.4
176 93.6 0.0 178.8

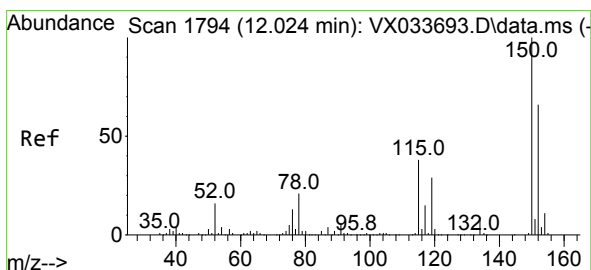
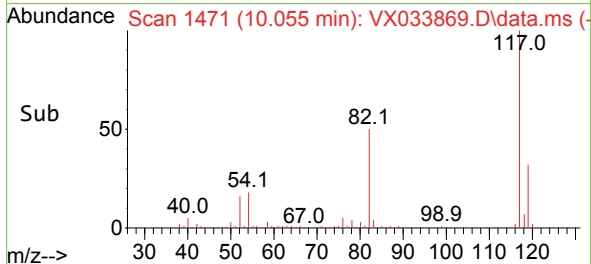
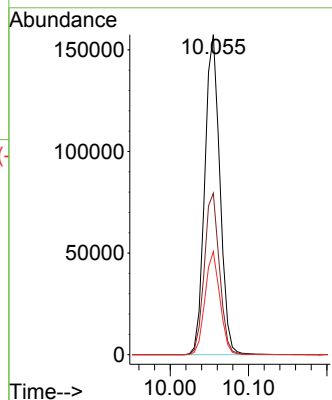
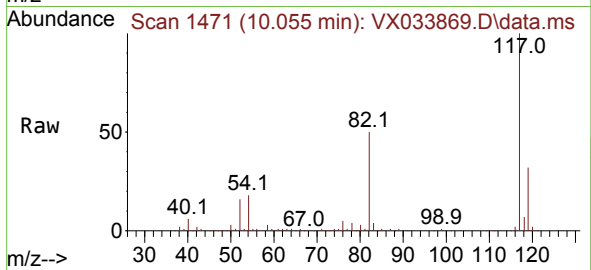




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

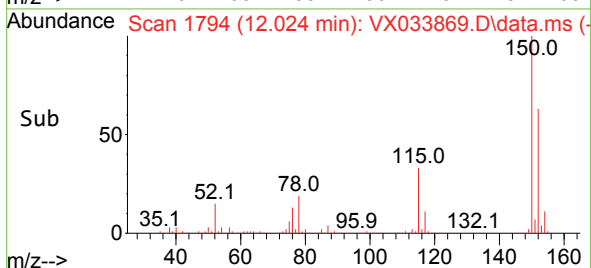
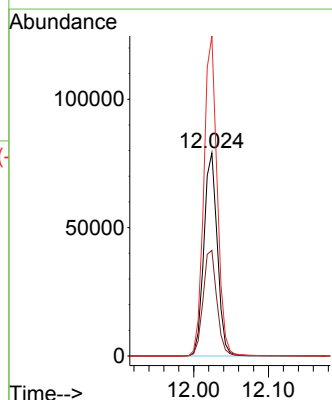
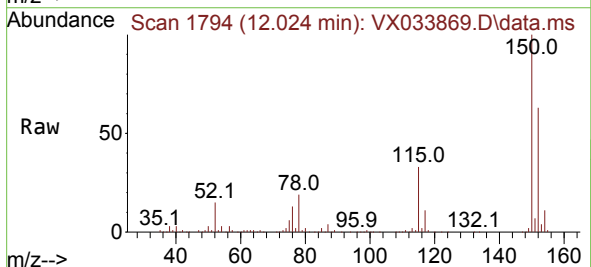
Instrument :
MSVOA_X
ClientSampleId :
TP-23

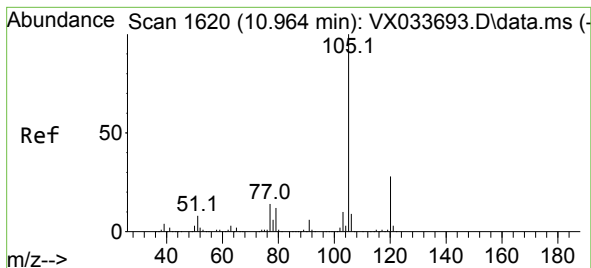
Tgt Ion:117 Resp: 210526
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion:152 Resp: 98936
Ion Ratio Lower Upper
152 100
115 53.3 38.7 116.1
150 156.3 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.085 min Scan# 1

Delta R.T. 0.121 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

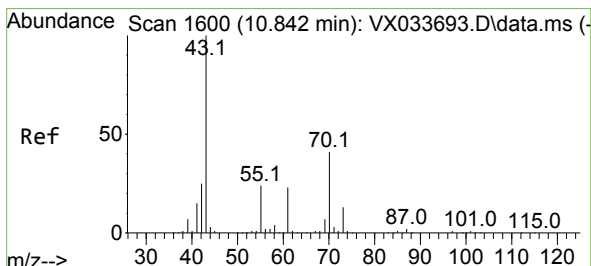
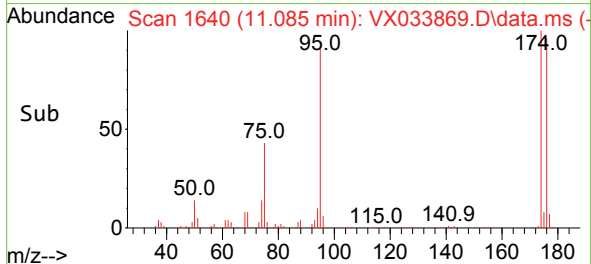
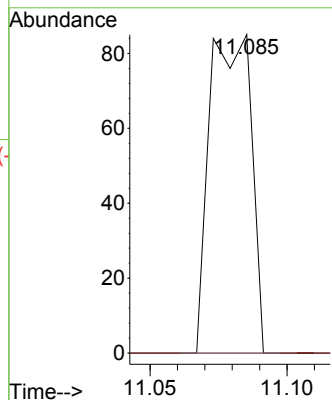
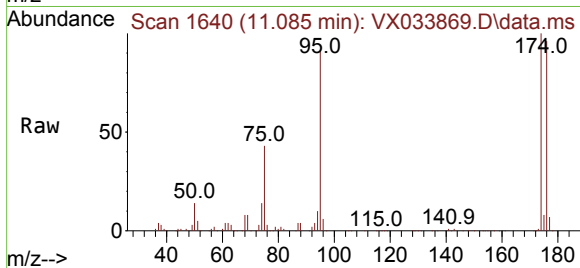
TP-23

Tgt Ion:105 Resp: 90

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-ethyl acetate

Concen: 7.976 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033869.D

Acq: 24 Jan 2023 15:11

Tgt Ion: 43 Resp: 20722

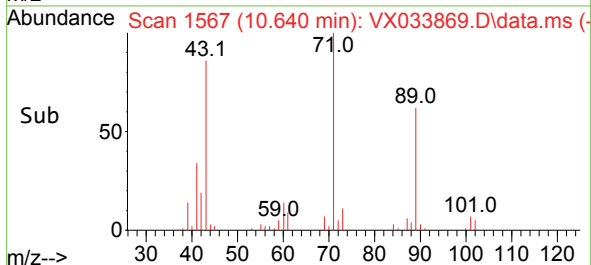
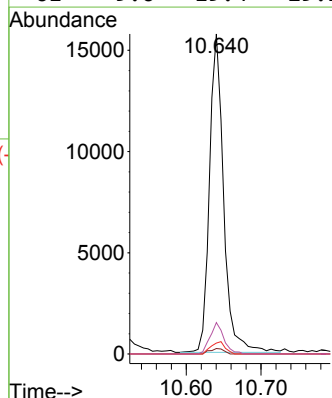
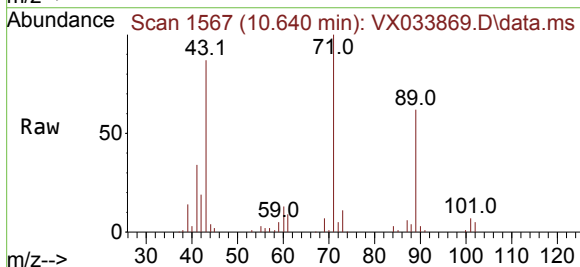
Ion Ratio Lower Upper

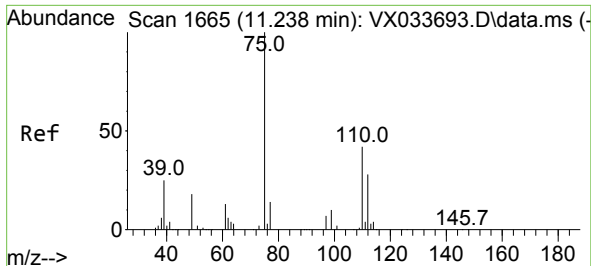
43 100

70 1.7 34.8 52.2#

55 3.8 19.4 29.0#

61 9.6 19.4 29.2#

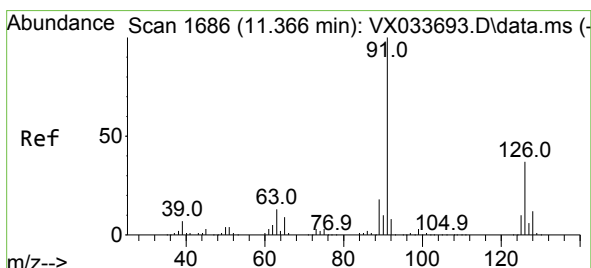
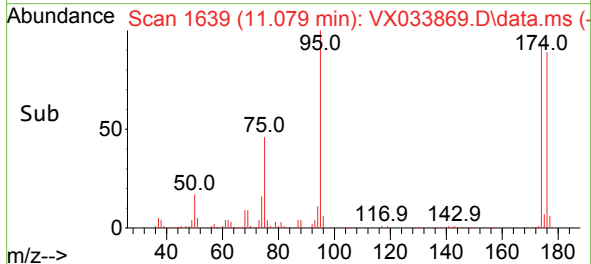
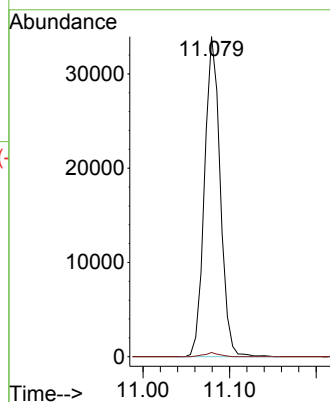
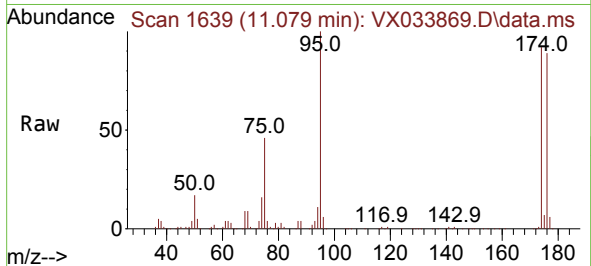




#76
1,2,3-Trichloropropane
Concen: 23.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

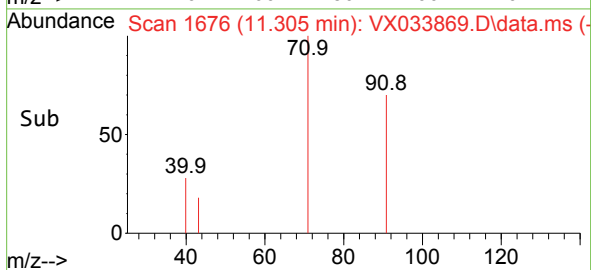
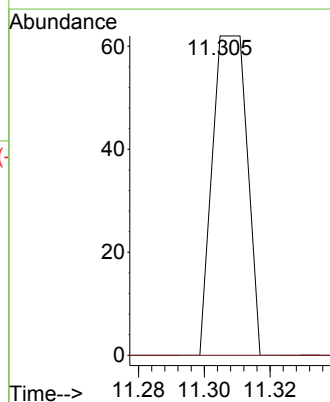
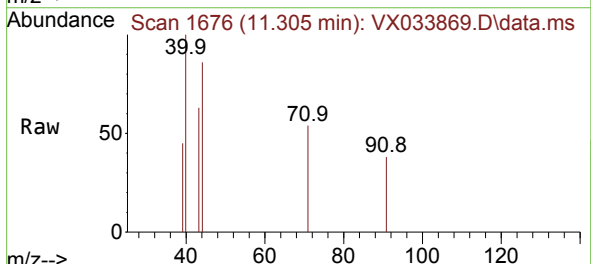
Instrument :
MSVOA_X
ClientSampleId :
TP-23

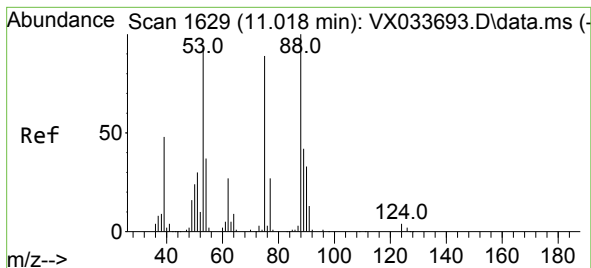
Tgt Ion: 75 Resp: 42800
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 91 Resp: 45
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

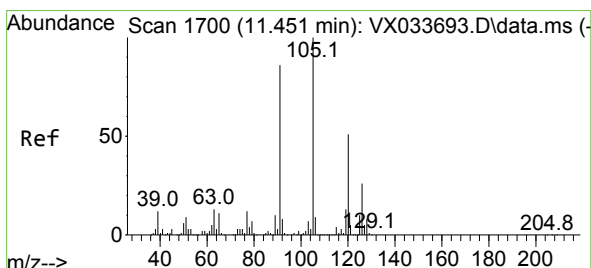
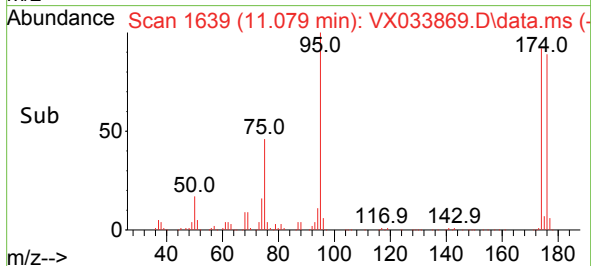
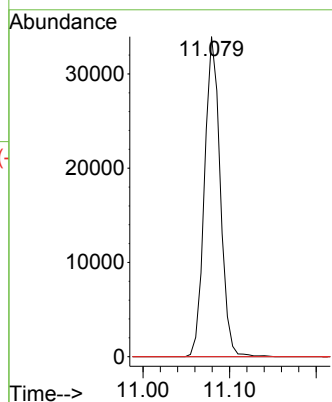
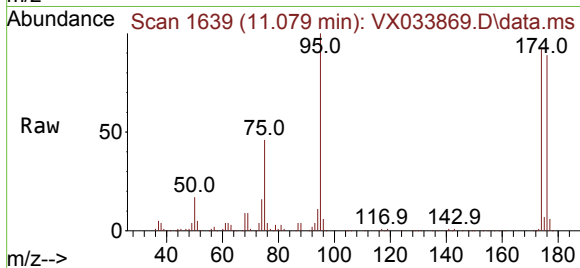




#81
trans-1,4-Dichloro-2-butene
Concen: 73.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :
TP-23

Tgt Ion: 75 Resp: 42800
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.305 min Scan# 1676
Delta R.T. -0.146 min
Lab File: VX033869.D
Acq: 24 Jan 2023 15:11

Tgt Ion: 91 Resp: 45
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

