

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033972.D
 Acq On : 31 Jan 2023 15:28
 Operator : JC/MD
 Sample : 01363-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-WC

Quant Time: Feb 01 02:13:50 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)

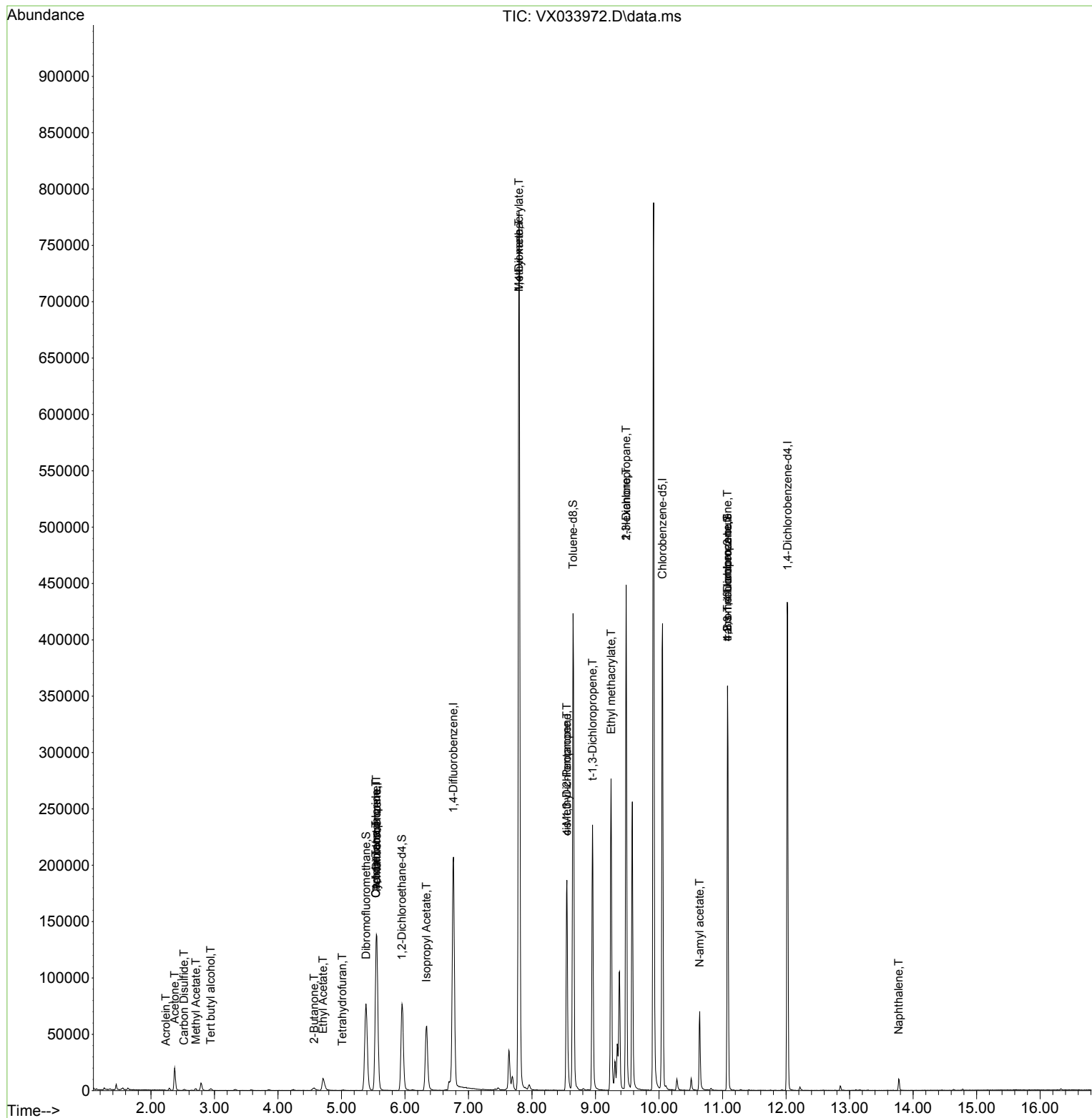
Internal Standards						
1) Pentafluorobenzene	5.556	168	154332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73786	45.408	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.820%
35) Dibromofluoromethane	5.385	113	67336	48.828	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.660%
50) Toluene-d8	8.647	98	256611	51.071	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.140%
62) 4-Bromofluorobenzene	11.079	95	90073	48.283	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1123	3.978	ug/l #	86
13) Acrolein	2.233	56	68	0.261	ug/l #	82
16) Acetone	2.374	43	21066	24.498	ug/l	96
17) Carbon Disulfide	2.520	76	287	1.909	ug/l #	76
18) Methyl Acetate	2.709	43	1959	0.864	ug/l	97
20) Methylene Chloride	2.788	84	3286	Below Cal		98
25) 2-Butanone	4.568	43	3746	3.528	ug/l	95
29) Tetrahydrofuran	5.013	42	260	0.389	ug/l #	47
31) Cyclohexane	5.544	56	2393	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9211	4.577	ug/l #	49
37) Ethyl Acetate	4.709	43	18834	7.370	ug/l	98
38) Carbon Tetrachloride	5.544	117	12467	5.981	ug/l #	15
43) Isopropyl Acetate	6.336	43	81210	25.559	ug/l	98
48) Methyl methacrylate	7.793	41	65864	41.151	ug/l #	44
49) 1,4-Dioxane	7.793	88	49	1.384	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65022	33.321	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	573	0.290	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32193	14.523	ug/l #	59
56) Ethyl methacrylate	9.244	69	599	0.284	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3977	1.636	ug/l #	43
59) 2-Hexanone	9.482	43	53355	39.284	ug/l #	51
73) Isopropylbenzene	11.079	105	58	Below Cal	#	48
74) N-amyl acetate	10.640	43	18826	7.004	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.073	83	19	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	40890	21.741	ug/l #	34
79) 2-Chlorotoluene	11.305	91	49	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40890	67.570	ug/l #	8
82) 4-Chlorotoluene	11.305	91	49	Below Cal	#	43
95) Naphthalene	13.774	128	7387	1.142	ug/l	98

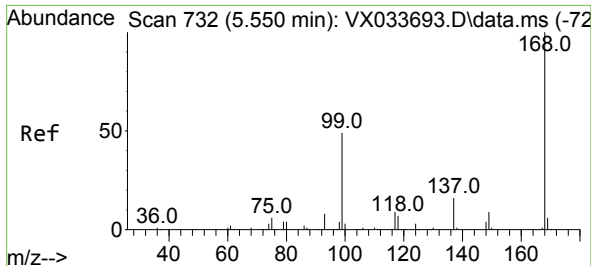
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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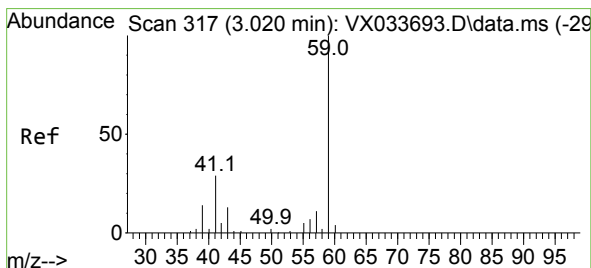
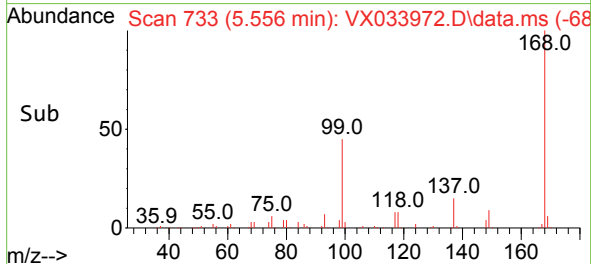
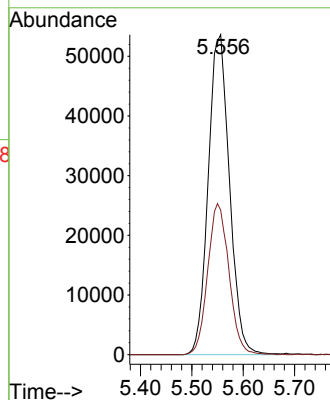
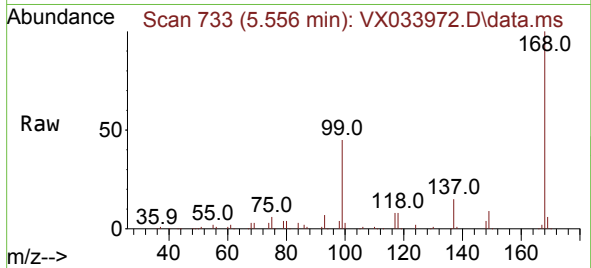




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

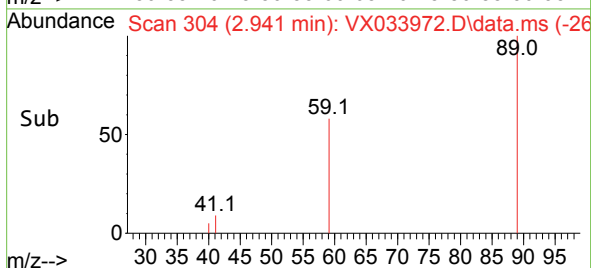
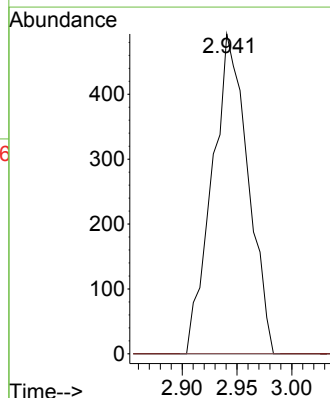
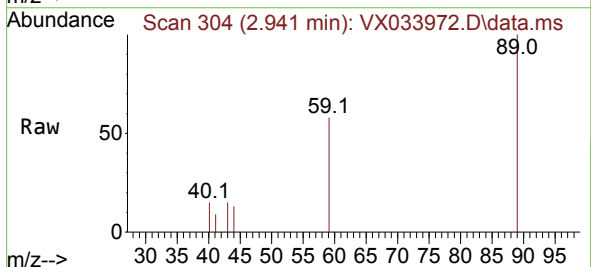
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

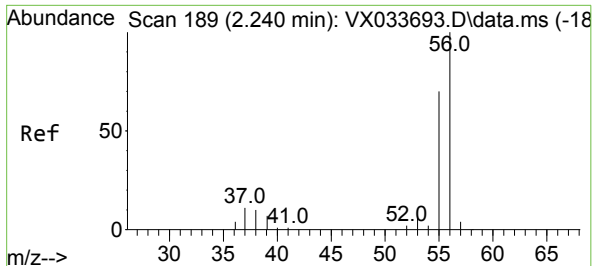
Tgt Ion:168 Resp: 154332
Ion Ratio Lower Upper
168 100
99 45.2 39.6 59.4



#11
Tert butyl alcohol
Concen: 3.978 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 59 Resp: 1123
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#





#13

Acrolein

Concen: 0.261 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033972.D

Acq: 31 Jan 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

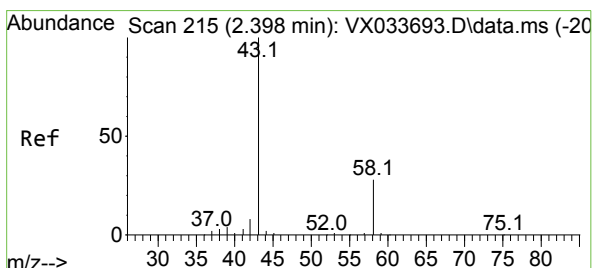
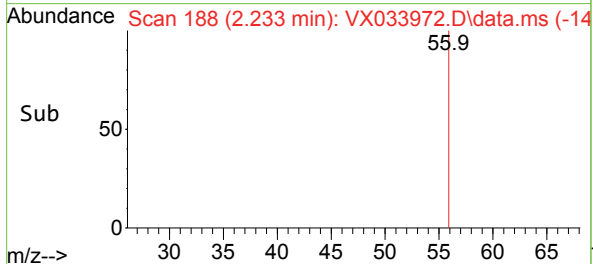
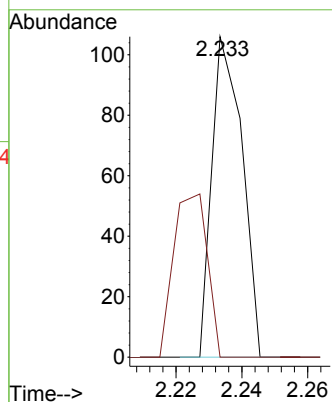
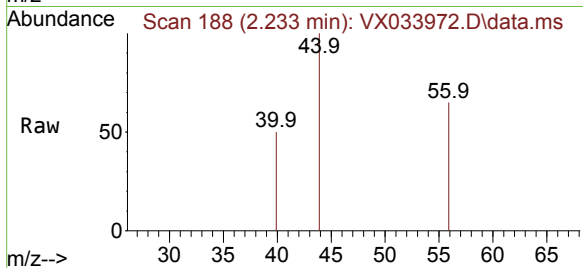
TP-1-WC

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 55.9 56.3 84.5#



#16

Acetone

Concen: 24.498 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.024 min

Lab File: VX033972.D

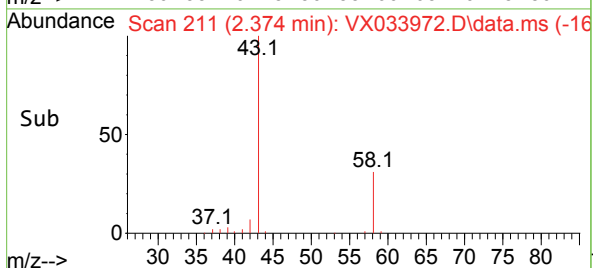
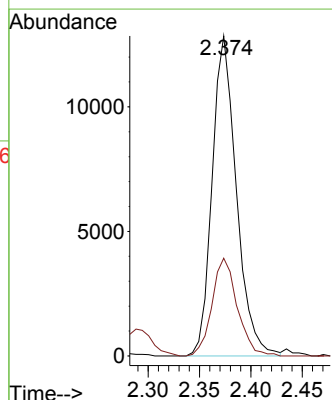
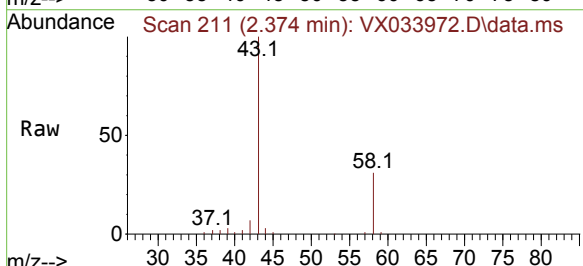
Acq: 31 Jan 2023 15:28

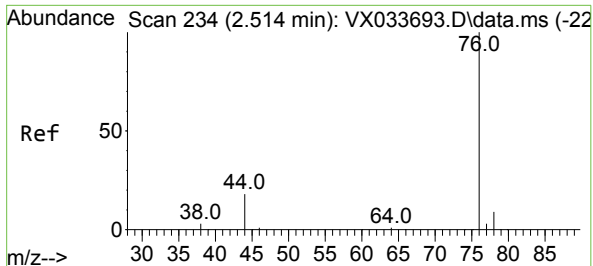
Tgt Ion: 43 Resp: 21066

Ion Ratio Lower Upper

43 100

58 30.5 22.6 33.8

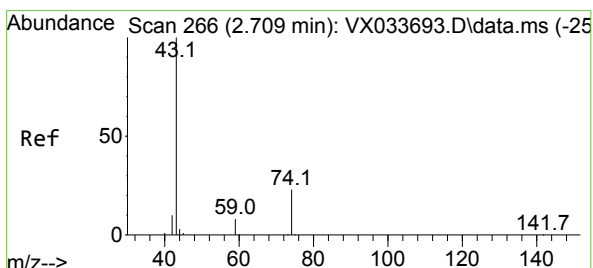
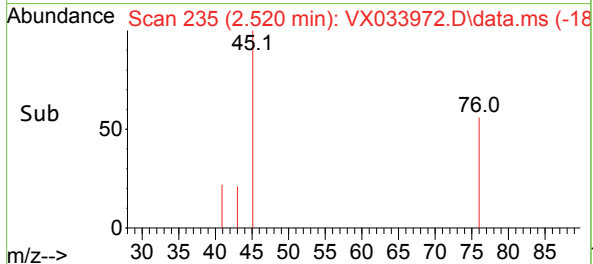
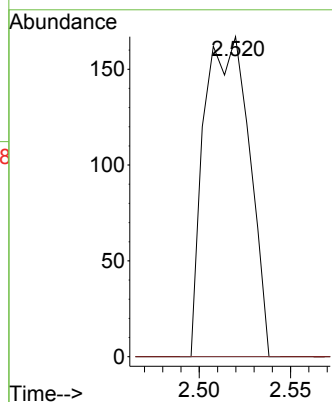
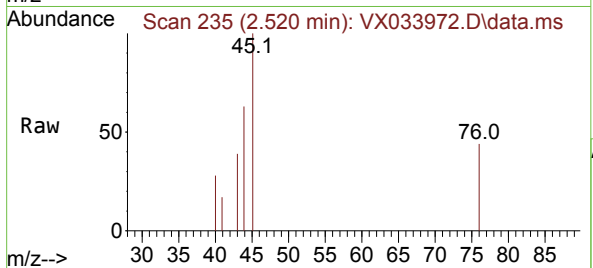




#17
Carbon Disulfide
Concen: 1.909 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

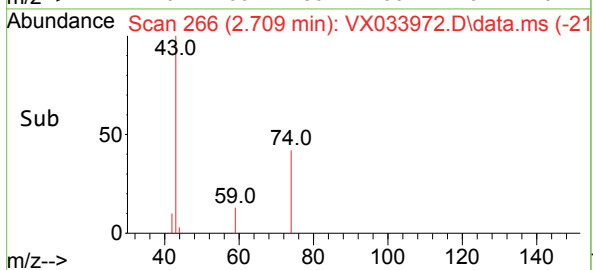
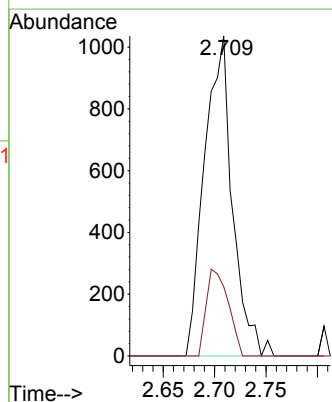
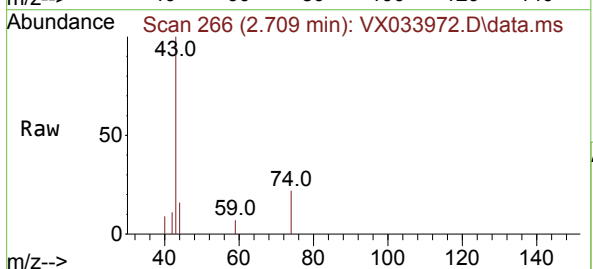
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

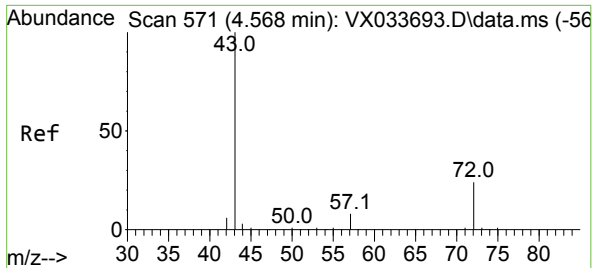
Tgt Ion: 76 Resp: 287
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.864 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
74 21.2 18.2 27.4

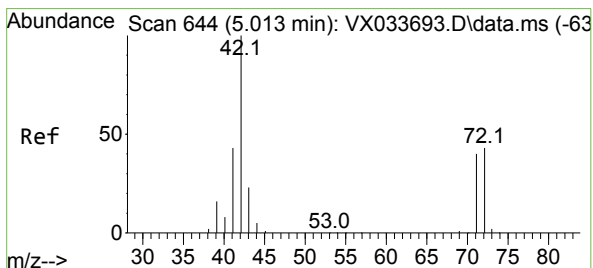
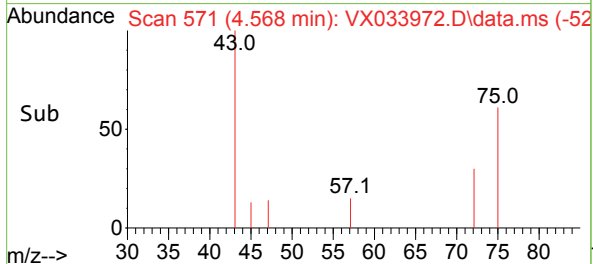
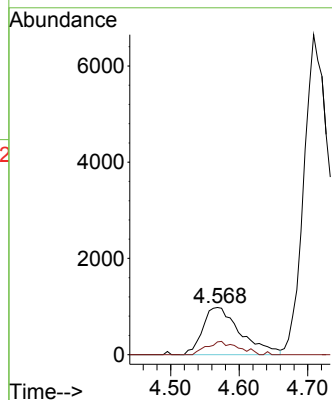
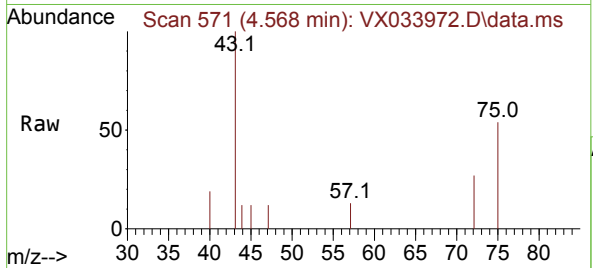




#25
2-Butanone
Concen: 3.528 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

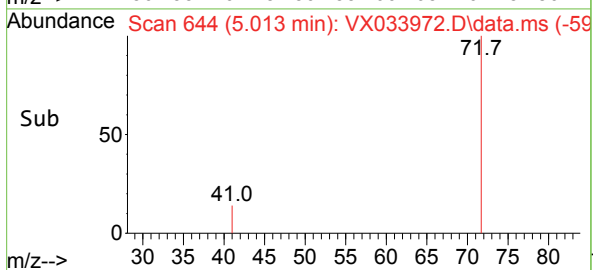
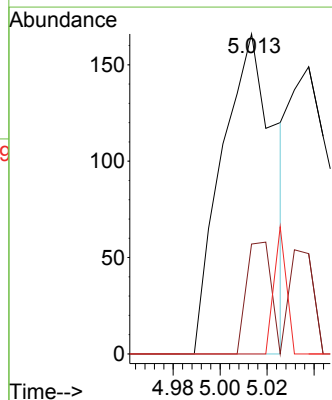
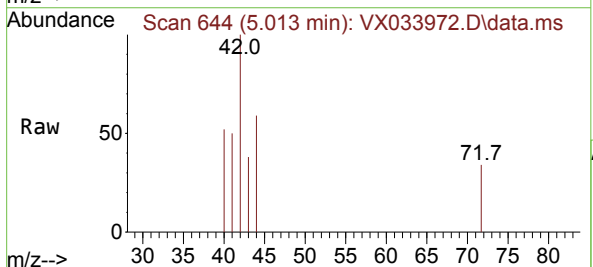
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

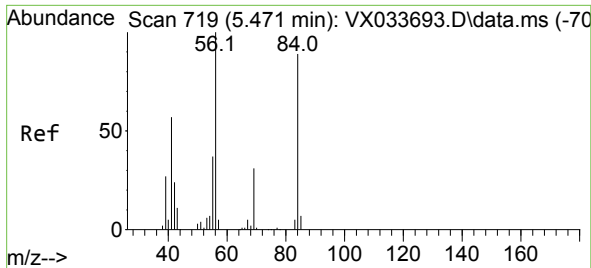
Tgt Ion: 43 Resp: 3746
Ion Ratio Lower Upper
43 100
72 26.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.389 ug/l
RT: 5.013 min Scan# 644
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

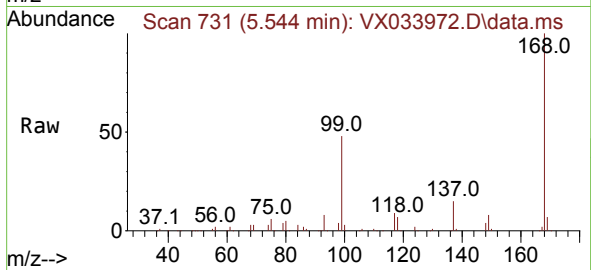
Tgt Ion: 42 Resp: 260
Ion Ratio Lower Upper
42 100
72 16.2 34.8 52.2#
71 0.0 32.2 48.2#



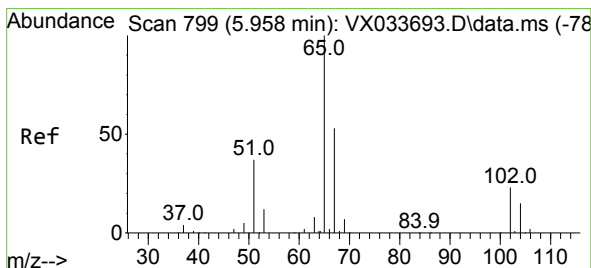
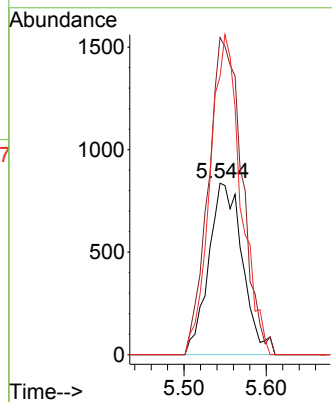
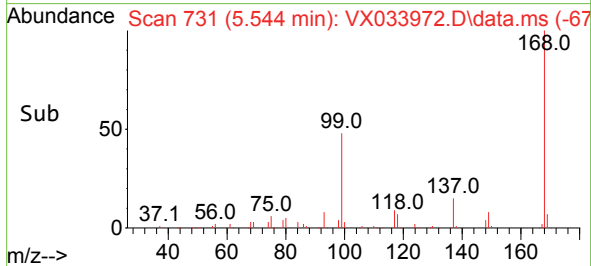


#31
Cyclohexane
Concen: 1.001 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

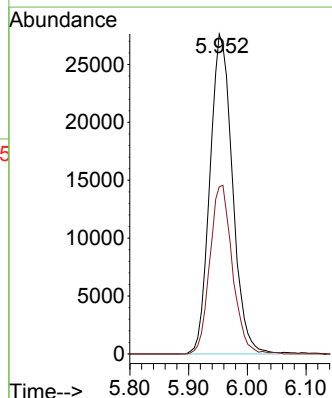
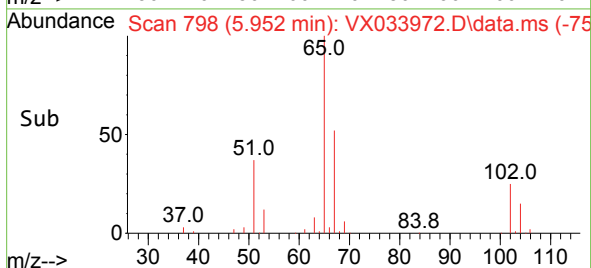
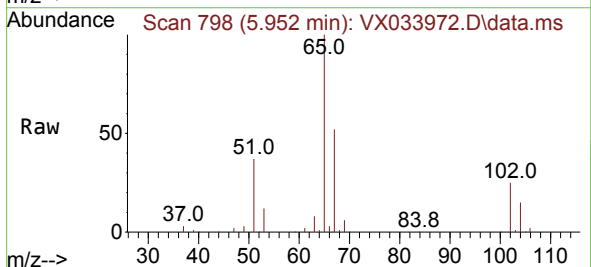


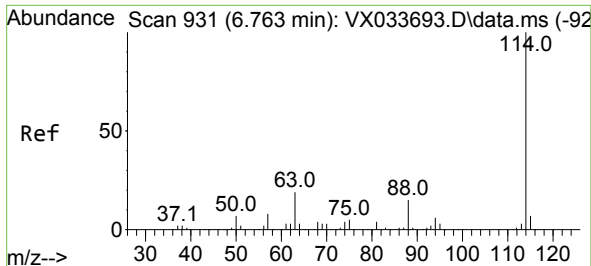
Tgt Ion: 56 Resp: 2393
Ion Ratio Lower Upper
56 100
69 184.8 24.6 37.0#
84 162.2 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.408 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 65 Resp: 73786
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8

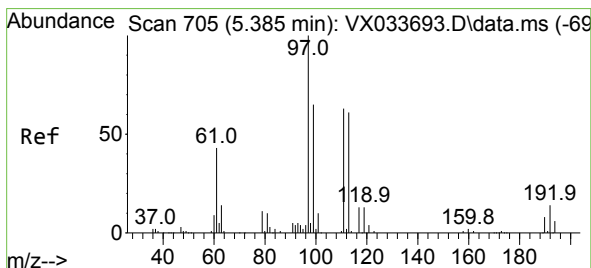
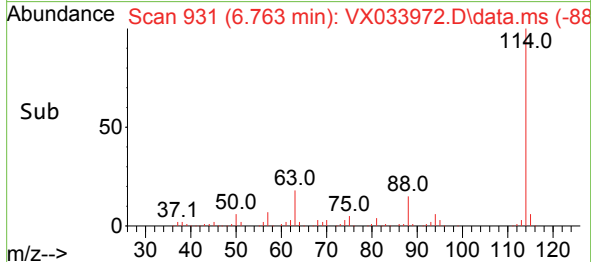
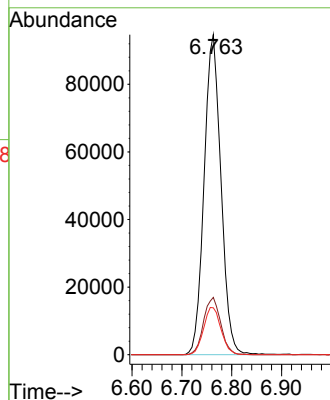
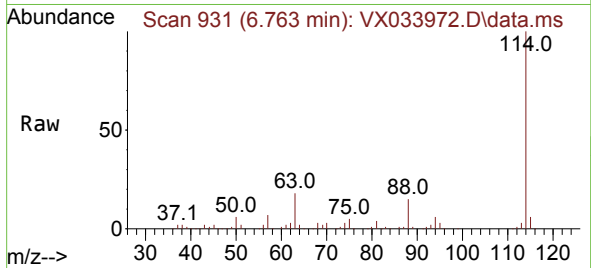




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

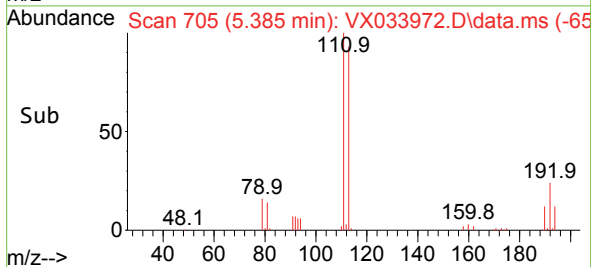
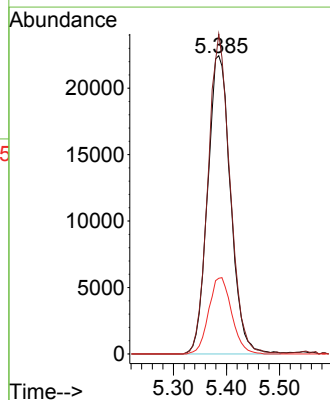
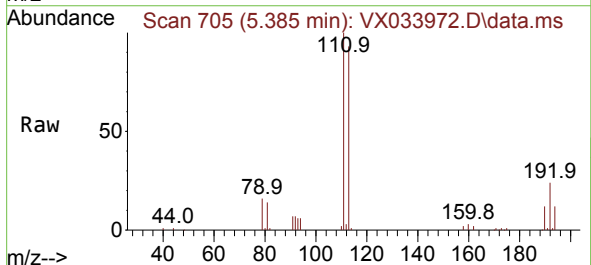
Instrument :
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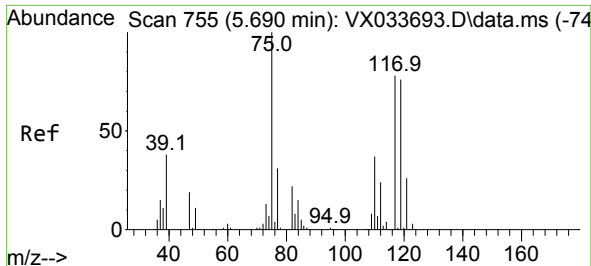
Tgt Ion:114 Resp: 222088
Ion Ratio Lower Upper
114 100
63 17.9 0.0 37.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.828 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion:113 Resp: 67336
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 25.6 19.0 28.4

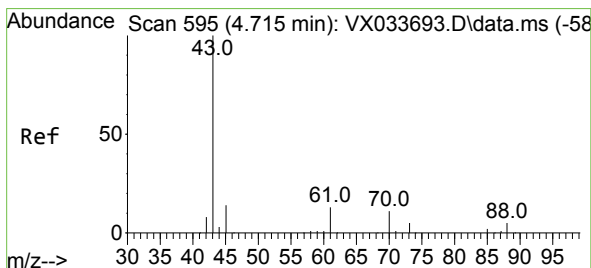
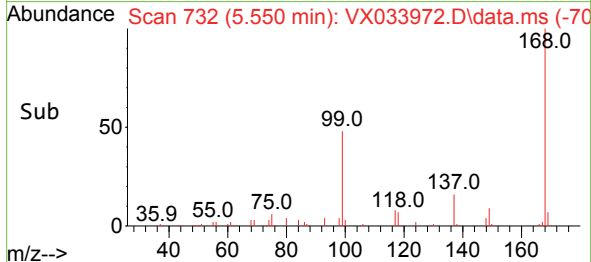
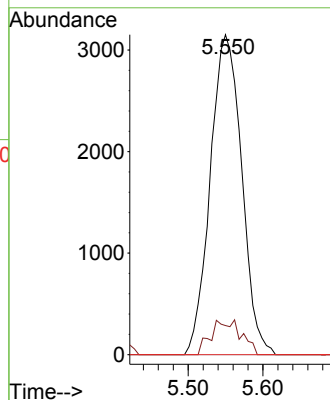
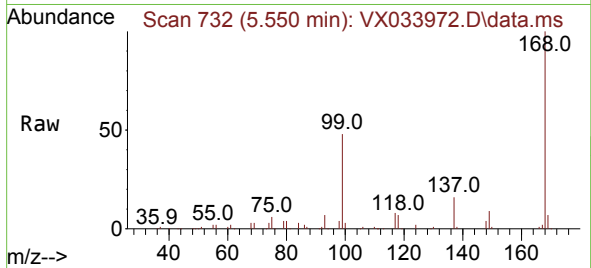




#36
1,1-Dichloropropene
Concen: 4.577 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

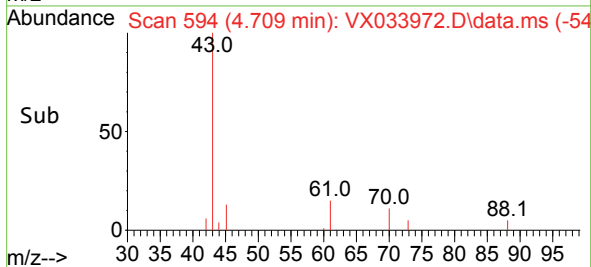
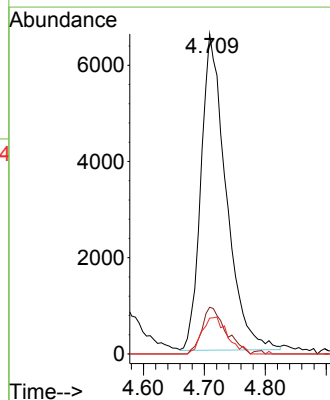
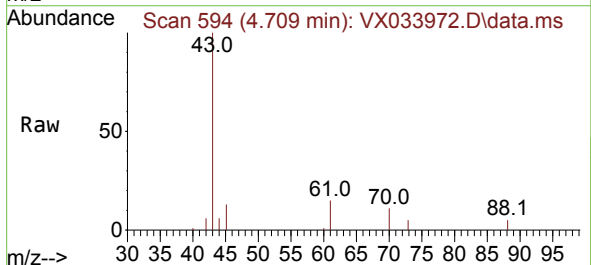
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

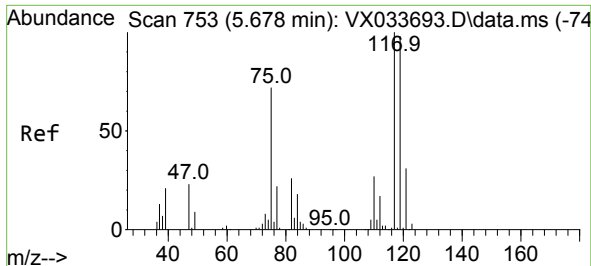
Tgt Ion: 75 Resp: 9211
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.370 ug/l
RT: 4.709 min Scan# 594
Delta R.T. -0.006 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

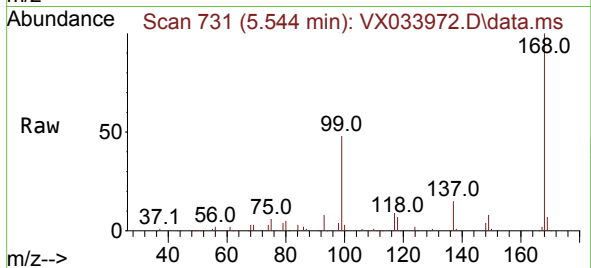
Tgt Ion: 43 Resp: 18834
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 11.8 8.5 12.7



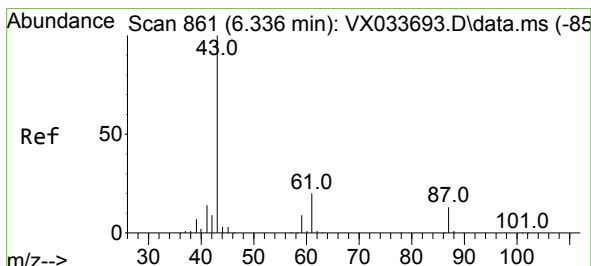
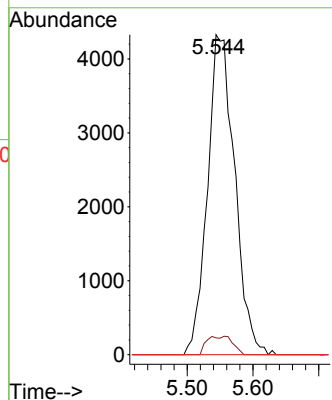
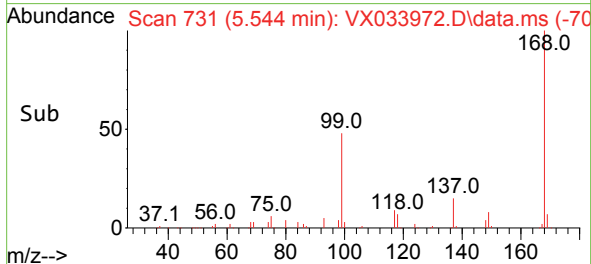


#38
Carbon Tetrachloride
Concen: 5.981 ug/l
RT: 5.544 min Scan# 753
Delta R.T. -0.134 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

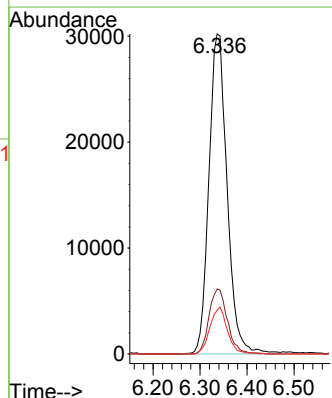
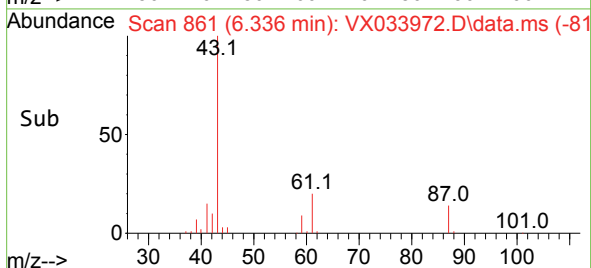
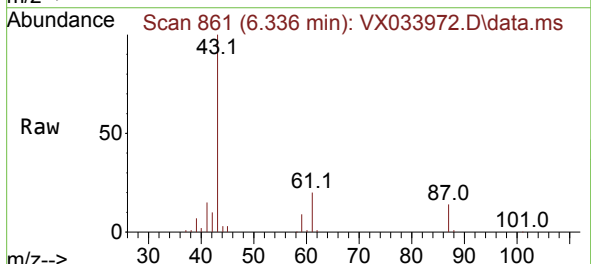


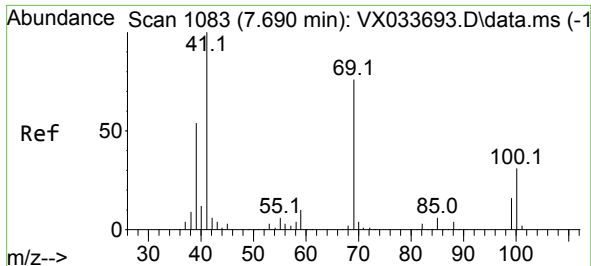
Tgt Ion:117 Resp: 12467
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.559 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 43 Resp: 81210
Ion Ratio Lower Upper
43 100
61 20.5 15.7 23.5
87 14.0 10.6 15.8

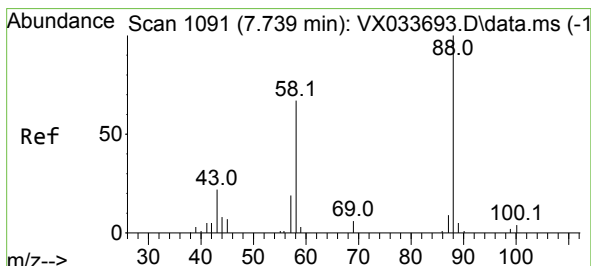
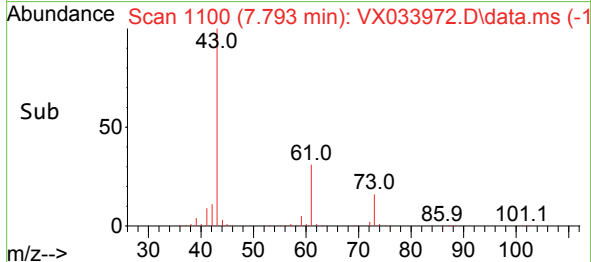
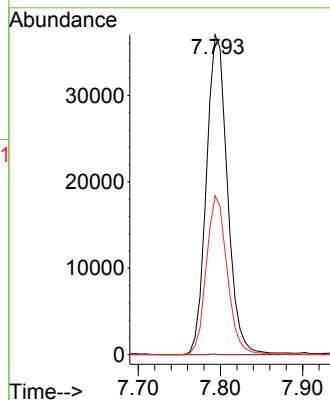
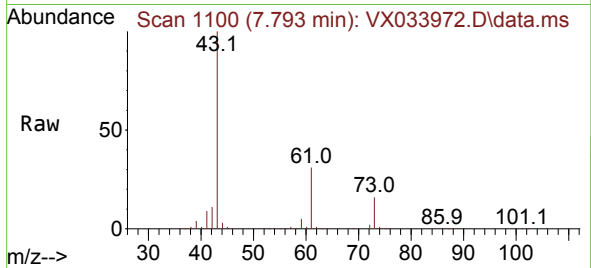




#48
Methyl methacrylate
Concen: 41.151 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

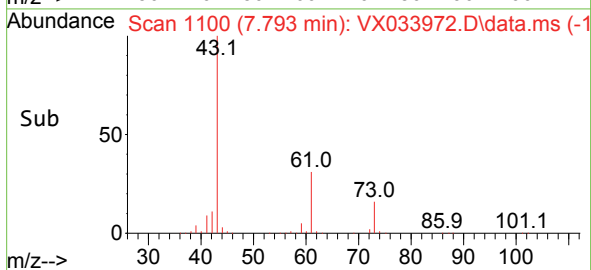
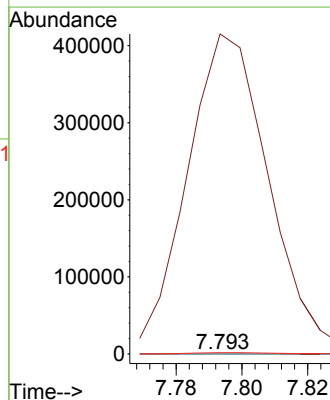
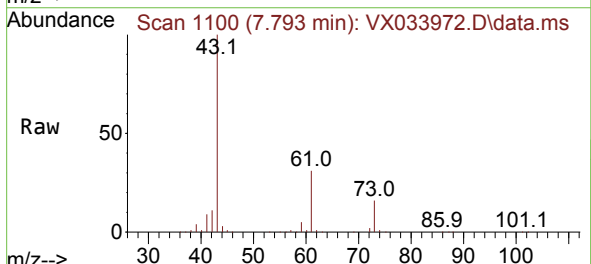
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

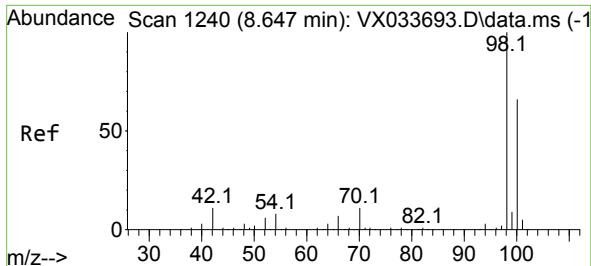
Tgt Ion: 41 Resp: 65864
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.3 43.2 64.8



#49
1,4-Dioxane
Concen: 1.384 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 1492738.8 0.0 0.0#
58 6222.4 56.5 84.7#

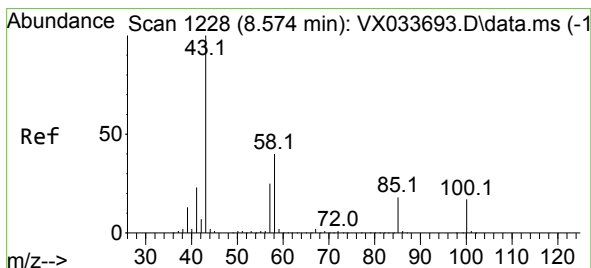
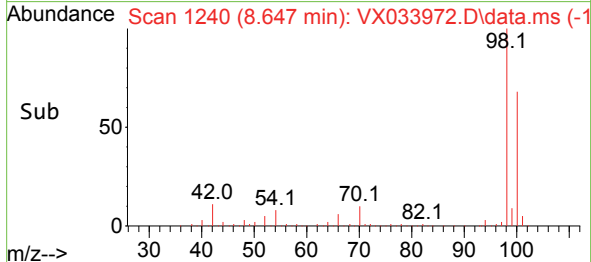
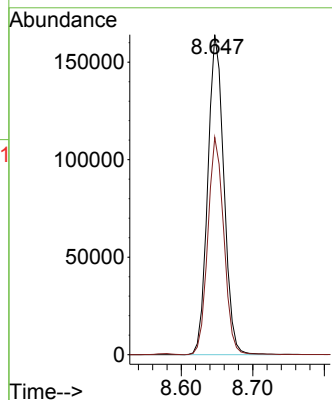
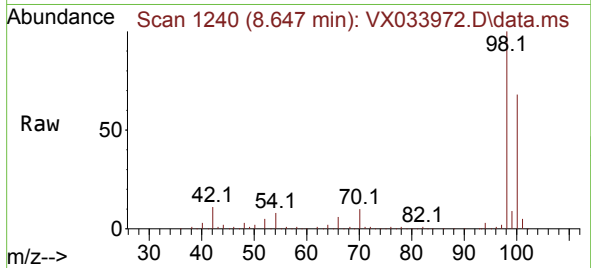




#50
Toluene-d8
Concen: 51.071 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

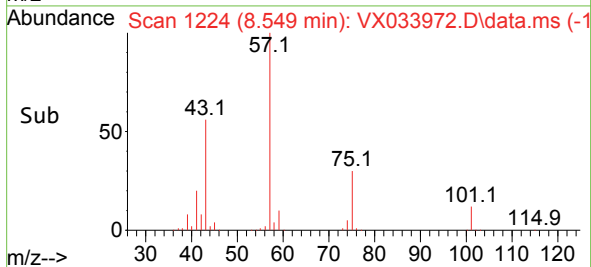
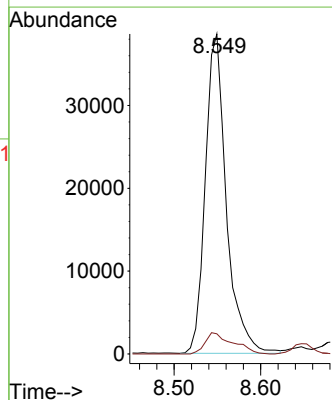
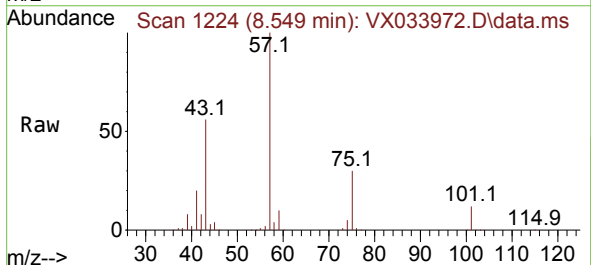
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

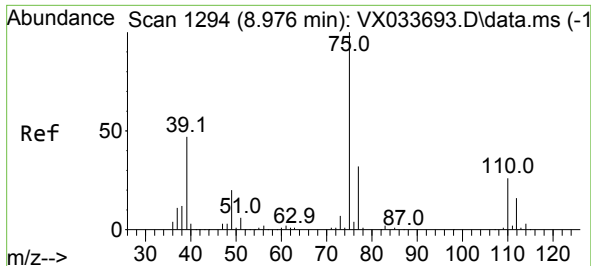
Tgt Ion: 98 Resp: 256611
Ion Ratio Lower Upper
98 100
100 67.6 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 33.321 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 43 Resp: 65022
Ion Ratio Lower Upper
43 100
58 8.8 31.2 46.8#

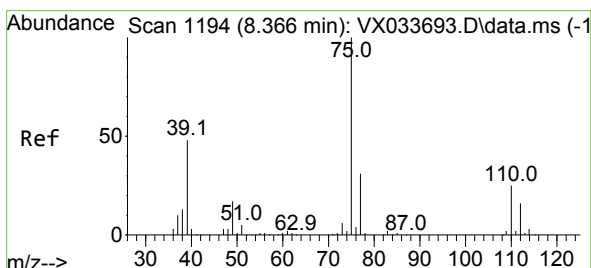
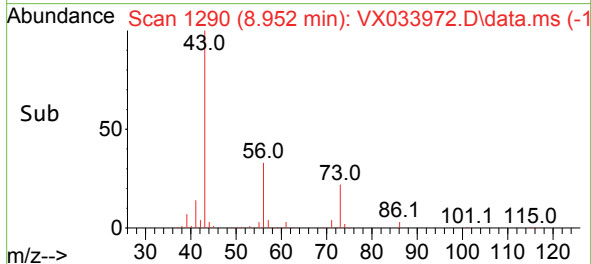
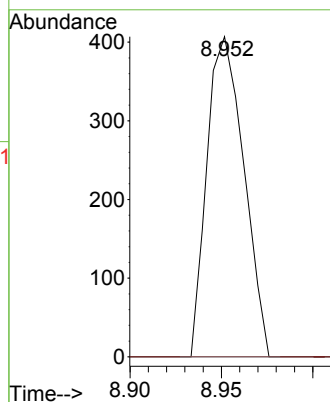
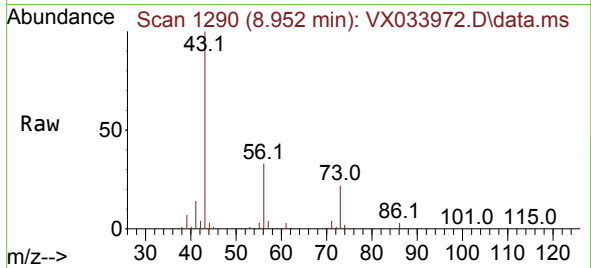




#53
 t-1,3-Dichloropropene
 Concen: 0.290 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX033972.D
 Acq: 31 Jan 2023 15:28

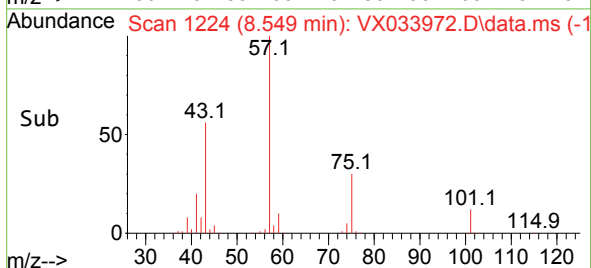
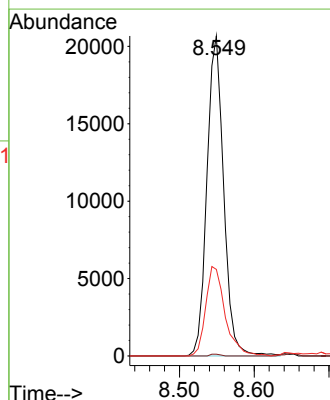
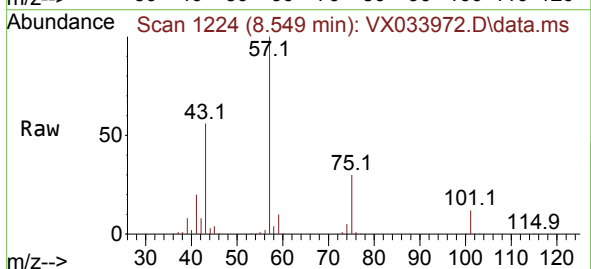
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-WC

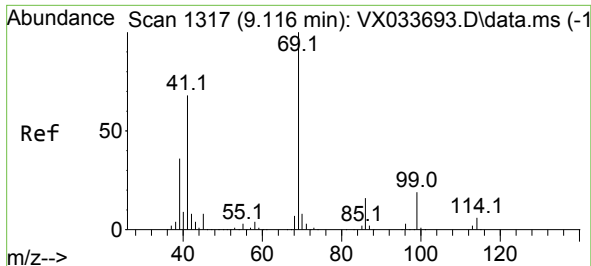
Tgt Ion: 75 Resp: 573
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 14.523 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033972.D
 Acq: 31 Jan 2023 15:28

Tgt Ion: 75 Resp: 32193
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 27.1 38.6 58.0#

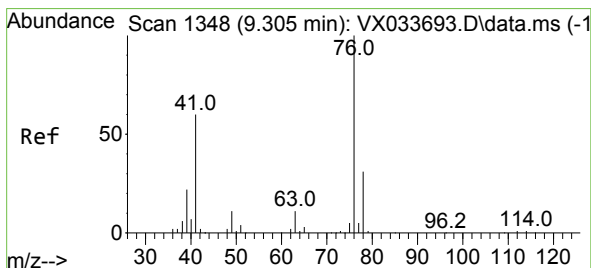
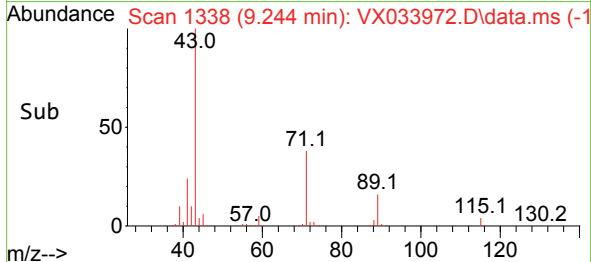
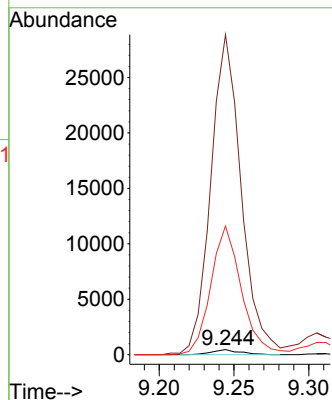
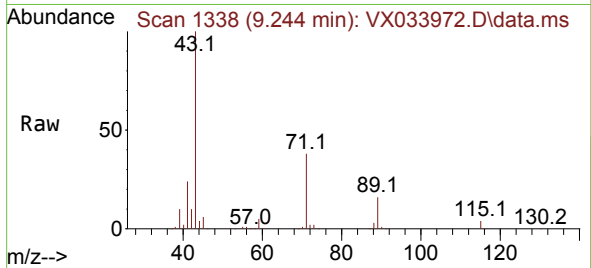




#56
Ethyl methacrylate
Concen: 0.284 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

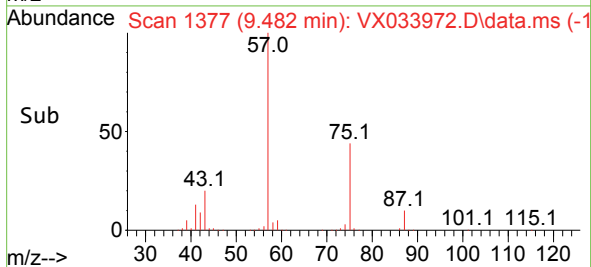
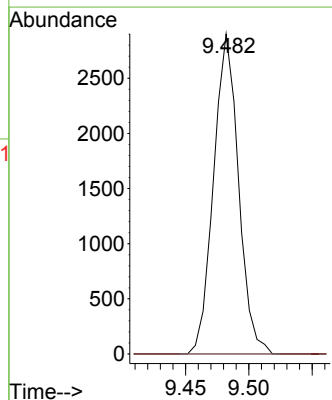
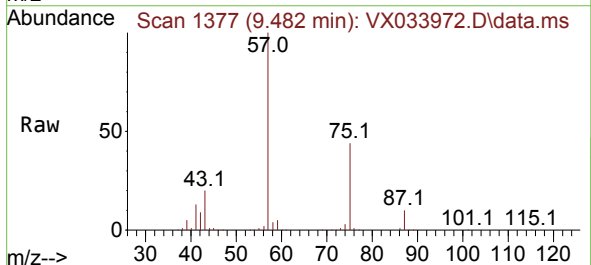
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

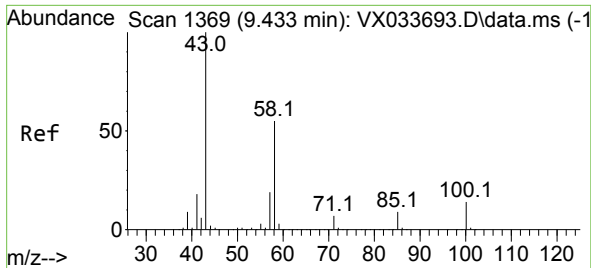
Tgt Ion: 69 Resp: 599
Ion Ratio Lower Upper
69 100
41 6824.4 55.1 82.7#
39 2771.5 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.636 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 76 Resp: 3977
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

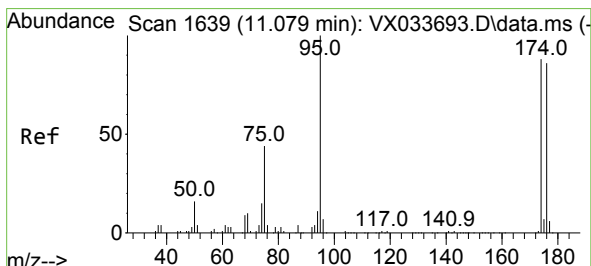
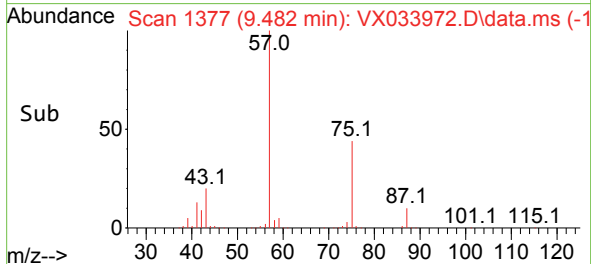
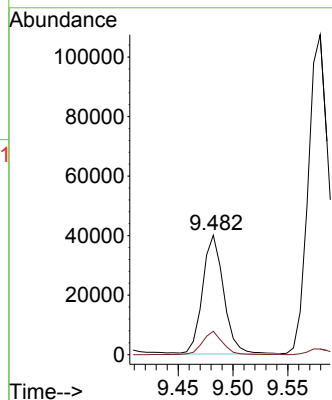
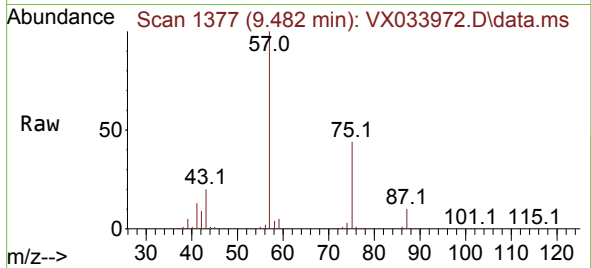




#59
2-Hexanone
Concen: 39.284 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

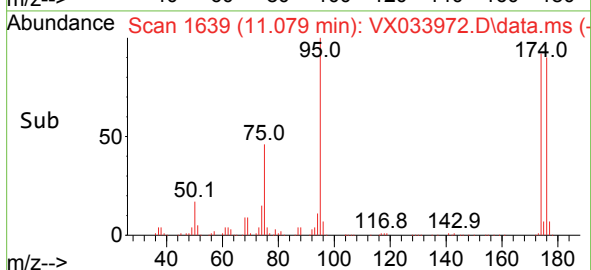
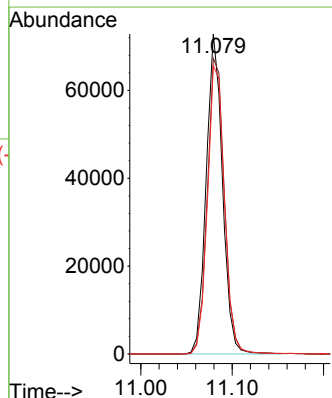
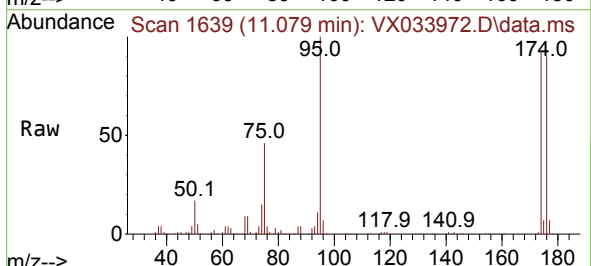
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

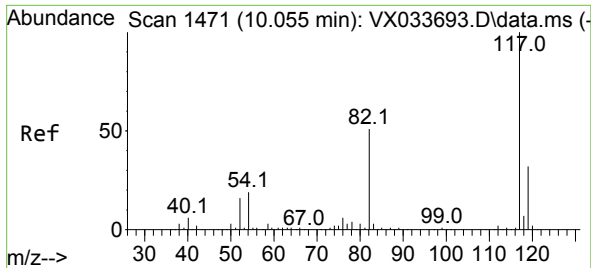
Tgt Ion: 43 Resp: 53355
Ion Ratio Lower Upper
43 100
58 19.3 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 48.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 95 Resp: 90073
Ion Ratio Lower Upper
95 100
174 97.4 0.0 184.4
176 93.9 0.0 178.8

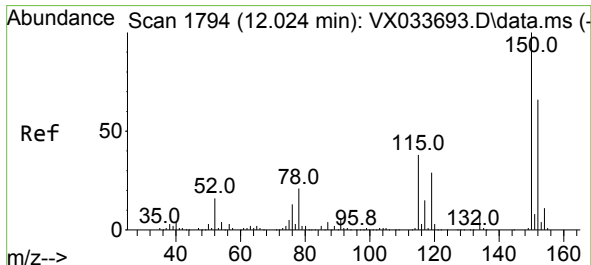
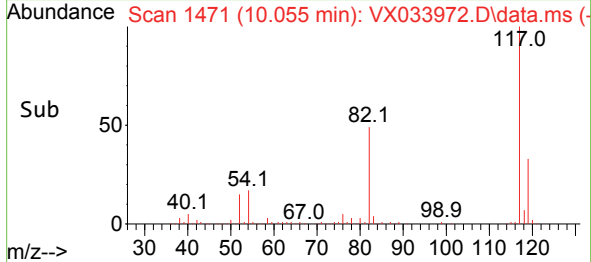
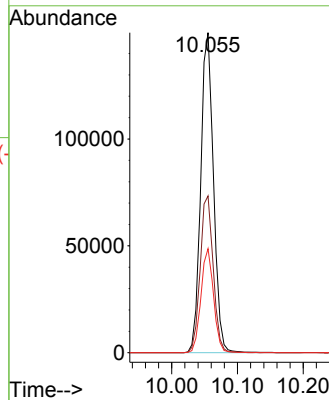
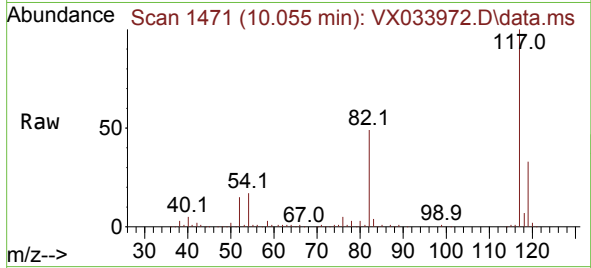




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

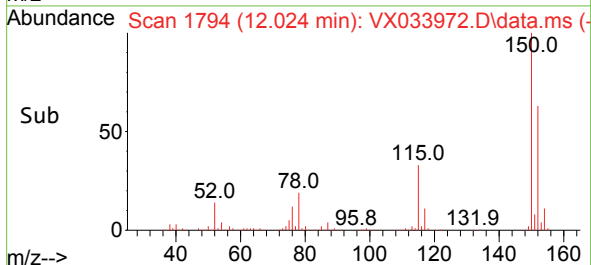
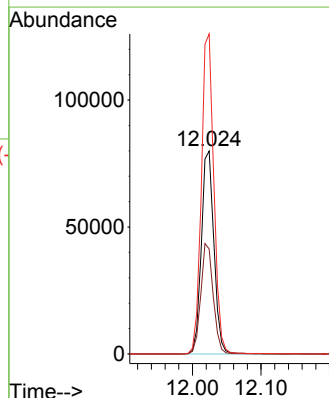
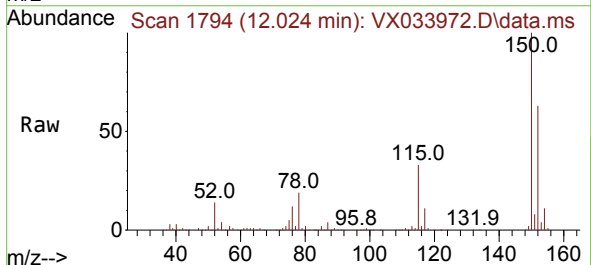
Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

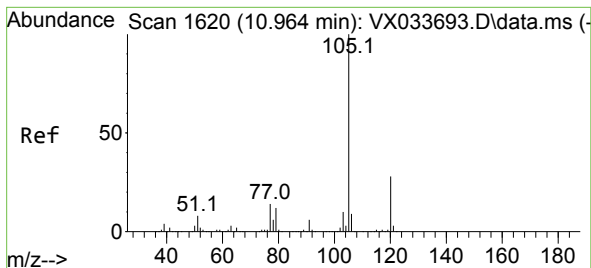
Tgt Ion:117 Resp: 201498
Ion Ratio Lower Upper
117 100
82 49.0 40.6 60.8
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion:152 Resp: 102362
Ion Ratio Lower Upper
152 100
115 53.7 38.7 116.1
150 156.2 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1

Delta R.T. 0.115 min

Lab File: VX033972.D

Acq: 31 Jan 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

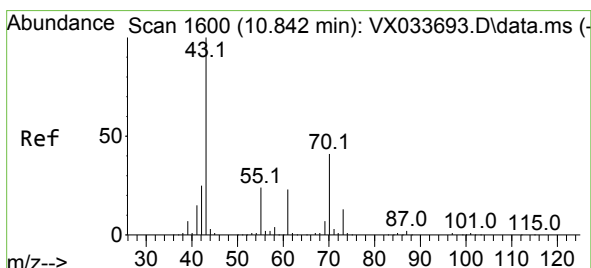
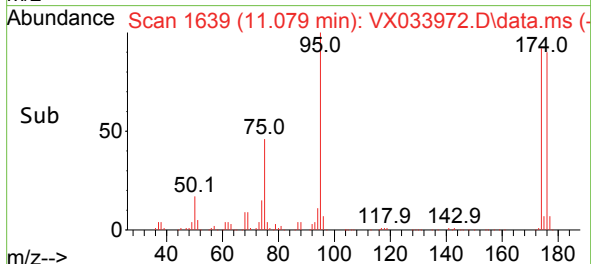
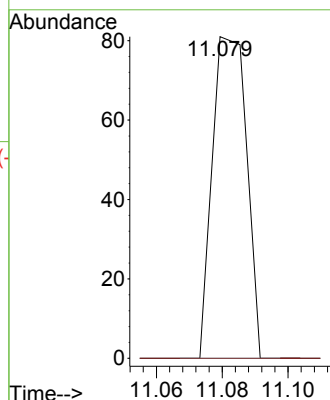
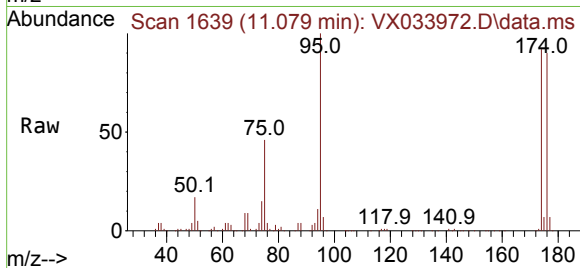
TP-1-WC

Tgt Ion:105 Resp: 58

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-ethyl acetate

Concen: 7.004 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033972.D

Acq: 31 Jan 2023 15:28

Tgt Ion: 43 Resp: 18826

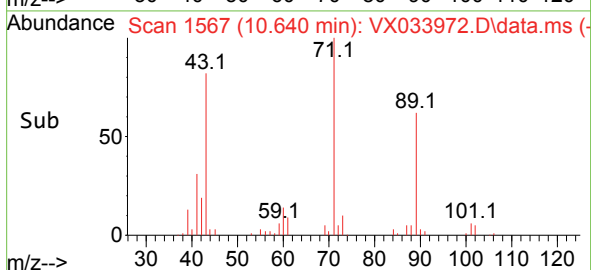
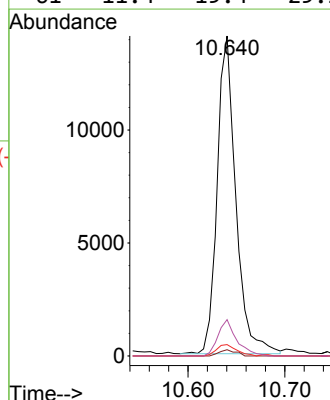
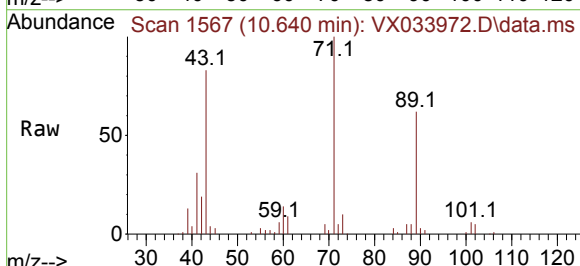
Ion Ratio Lower Upper

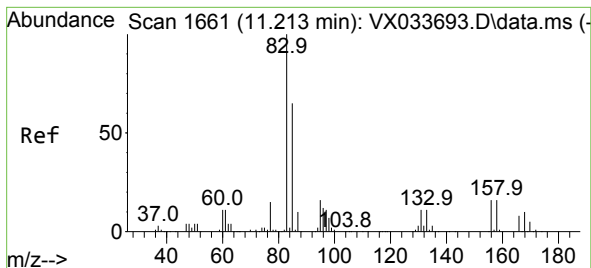
43 100

70 1.8 34.8 52.2#

55 3.9 19.4 29.0#

61 11.4 19.4 29.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.073 min Scan# 1

Delta R.T. -0.140 min

Lab File: VX033972.D

Acq: 31 Jan 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

TP-1-WC

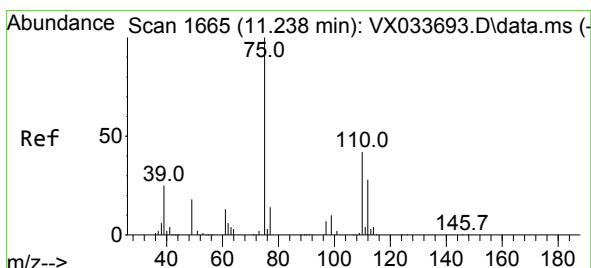
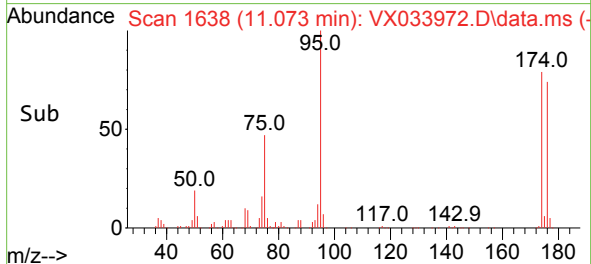
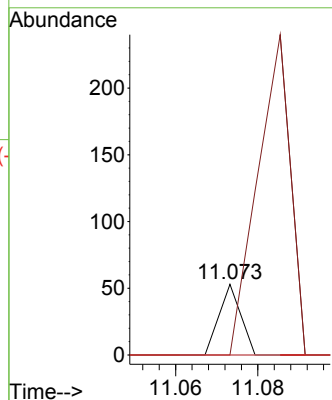
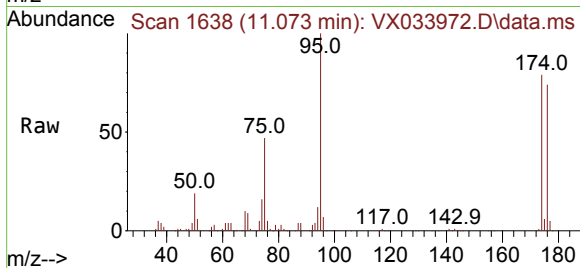
Tgt Ion: 83 Resp: 19

Ion Ratio Lower Upper

83 100

131 700.0 5.5 16.7#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 21.741 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033972.D

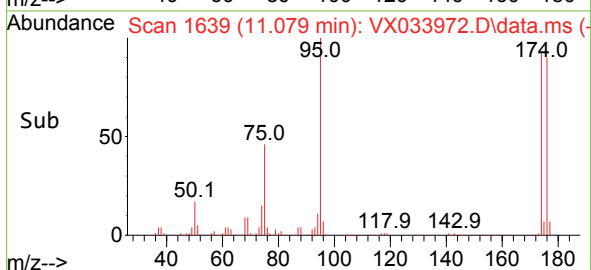
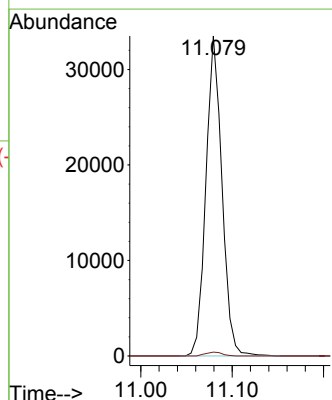
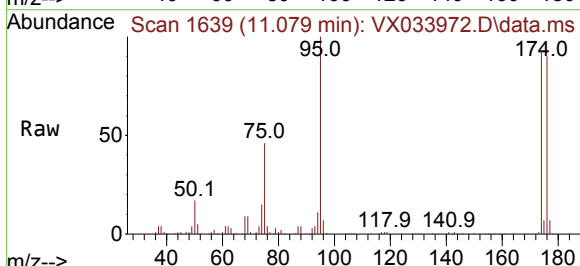
Acq: 31 Jan 2023 15:28

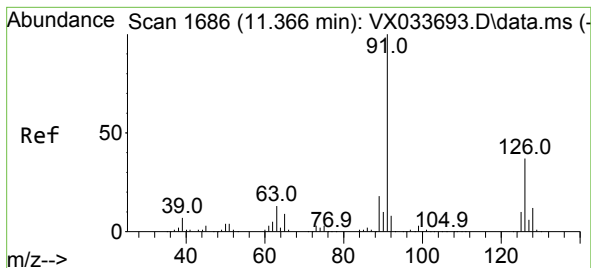
Tgt Ion: 75 Resp: 40890

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.305 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX033972.D

Acq: 31 Jan 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

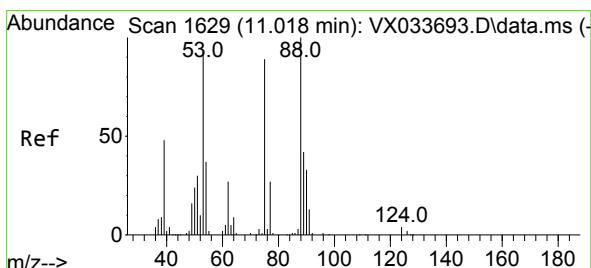
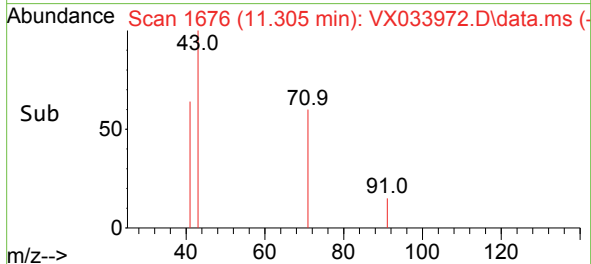
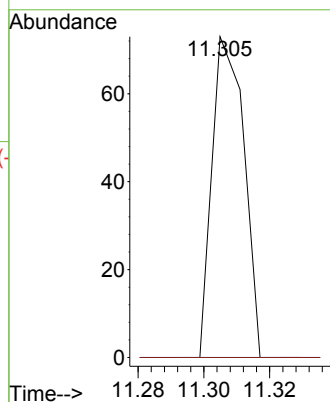
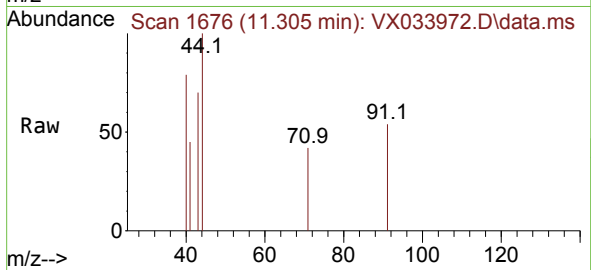
TP-1-WC

Tgt Ion: 91 Resp: 49

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.570 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033972.D

Acq: 31 Jan 2023 15:28

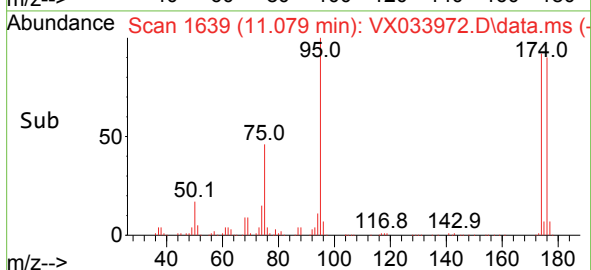
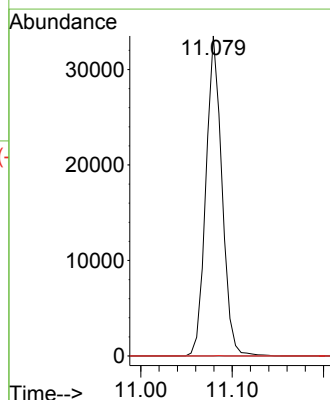
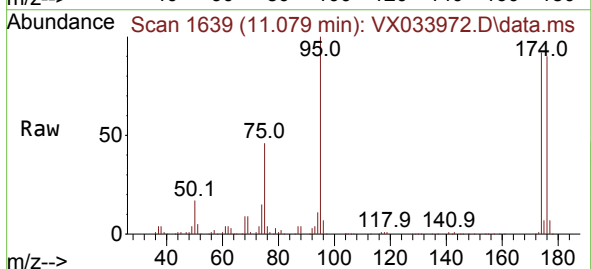
Tgt Ion: 75 Resp: 40890

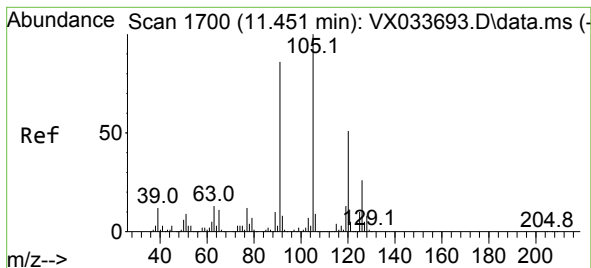
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.1 37.7 56.5#

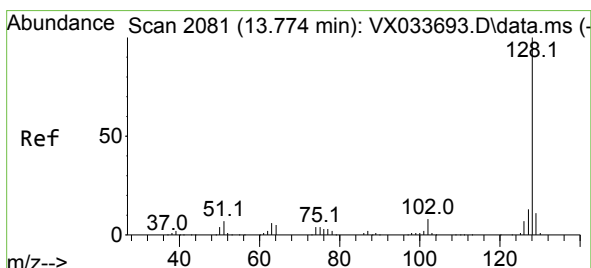
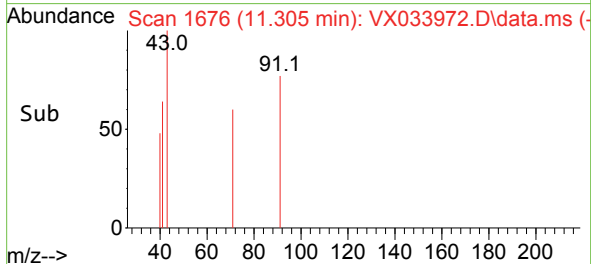
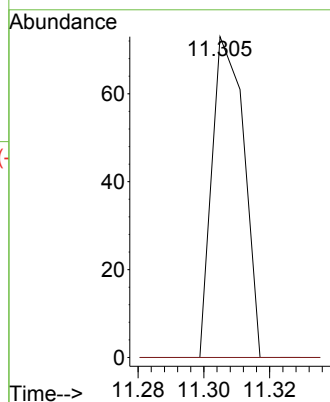
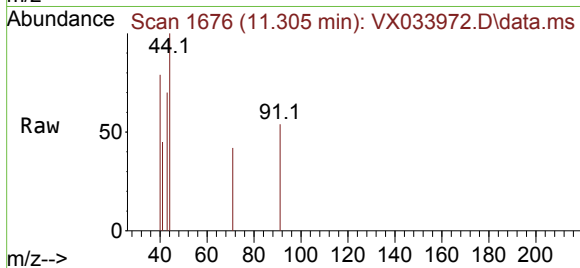




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.305 min Scan# 1
Delta R.T. -0.146 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Instrument :
MSVOA_X
ClientSampleId :
TP-1-WC

Tgt Ion: 91 Resp: 49
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#



#95
Naphthalene
Concen: 1.142 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX033972.D
Acq: 31 Jan 2023 15:28

Tgt Ion: 128 Resp: 7387
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 11.2 8.7 13.1

