

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033739.D
 Acq On : 13 Jan 2023 21:43
 Operator : JC/MD
 Sample : PB150223ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 16 05:40:12 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)

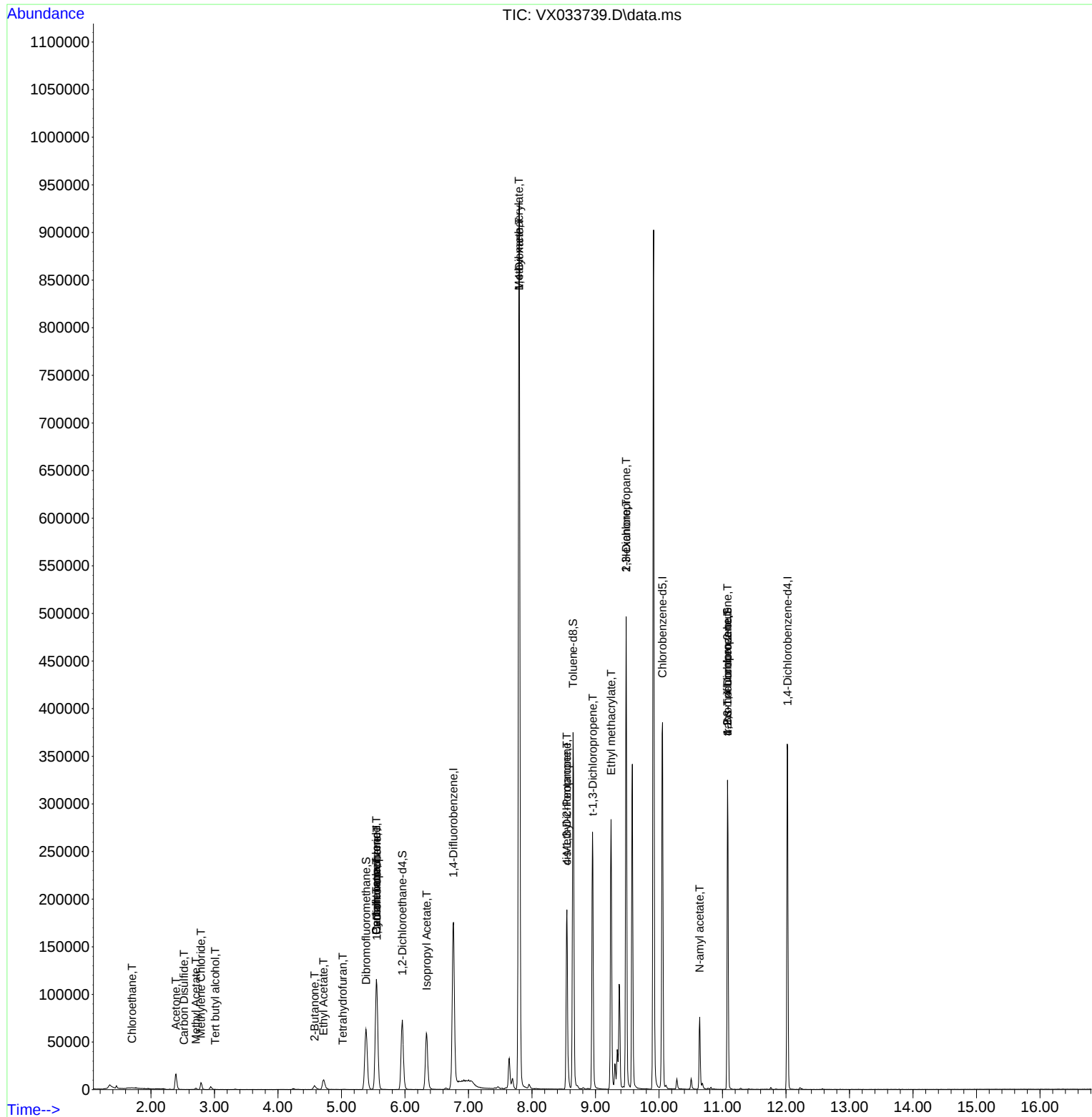
Internal Standards						
1) Pentafluorobenzene	5.550	168	114024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	172391	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69315	57.735	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.480%			
35) Dibromofluoromethane	5.385	113	52907	49.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.840%			
50) Toluene-d8	8.647	98	210793	54.046	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.100%			
62) 4-Bromofluorobenzene	11.079	95	76948	53.138	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.280%			
Target Compounds						Qvalue
6) Chloroethane	1.703	64	121	0.203	ug/l #	42
11) Tert butyl alcohol	3.014	59	200	0.959	ug/l #	86
16) Acetone	2.392	43	21729	39.364	ug/l	100
17) Carbon Disulfide	2.520	76	22	1.831	ug/l #	76
18) Methyl Acetate	2.709	43	1757	1.049	ug/l	95
20) Methylene Chloride	2.788	84	3160	0.549	ug/l	87
25) 2-Butanone	4.574	43	6236	7.950	ug/l	95
29) Tetrahydrofuran	5.019	42	120	0.243	ug/l #	34
31) Cyclohexane	5.550	56	2333	1.321	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	8218	5.260	ug/l #	49
37) Ethyl Acetate	4.715	43	18930	10.437	ug/l	98
38) Carbon Tetrachloride	5.550	117	10473	6.472	ug/l #	15
43) Isopropyl Acetate	6.342	43	82525	33.460	ug/l	97
48) Methyl methacrylate	7.793	41	86609	69.711	ug/l #	46
49) 1,4-Dioxane	7.799	88	91	3.311	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71831	47.422	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	609	0.397	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28265	16.427	ug/l #	70
56) Ethyl methacrylate	9.244	69	579	0.353	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3979	2.108	ug/l #	43
59) 2-Hexanone	9.482	43	61905	58.719	ug/l #	48
73) Isopropylbenzene	11.079	105	82	Below Cal	#	48
74) N-amyl acetate	10.640	43	21729	10.679	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.085	83	27	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	40869	28.705	ug/l #	34
79) 2-Chlorotoluene	11.463	91	20	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40869	89.213	ug/l #	8
82) 4-Chlorotoluene	11.463	91	20	Below Cal	#	43

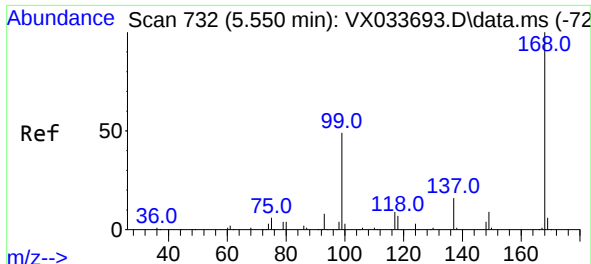
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
Data File : VX033739.D
Acq On : 13 Jan 2023 21:43
Operator : JC/MD
Sample : PB150223ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

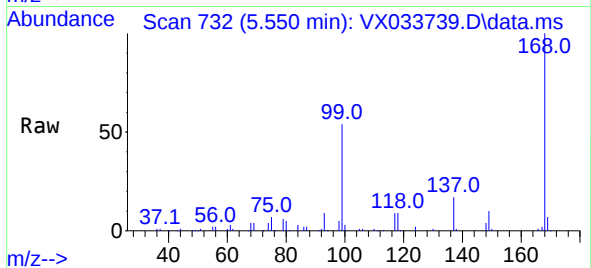
Quant Time: Jan 16 05:40:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



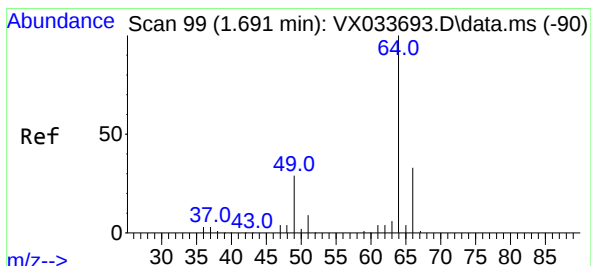
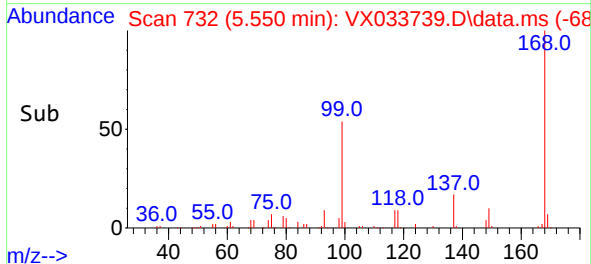
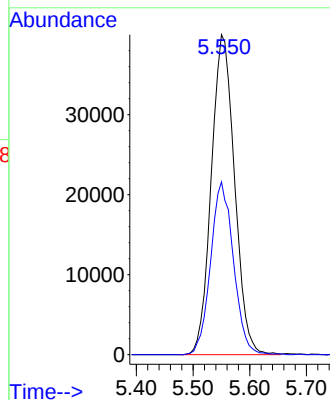


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Instrument :
MSVOA_X
ClientSampleId :

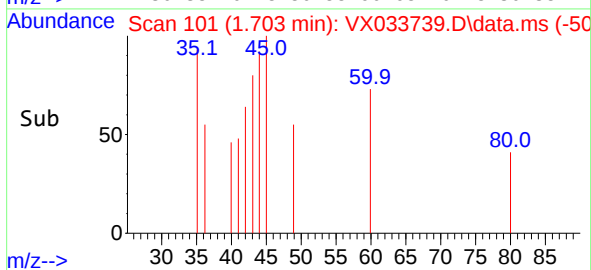
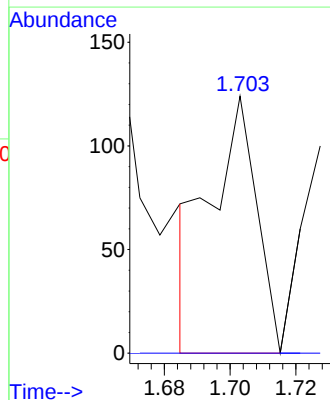
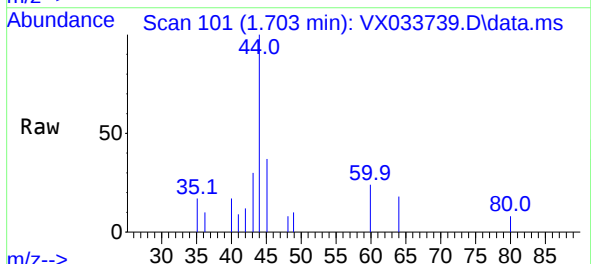


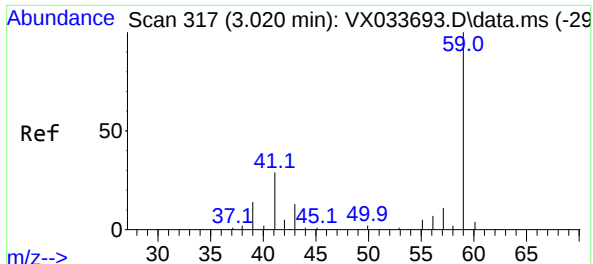
Tgt Ion:168 Resp: 114024
Ion Ratio Lower Upper
168 100
99 54.0 39.6 59.4



#6
Chloroethane
Concen: 0.203 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 64 Resp: 121
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 0.959 ug/l

RT: 3.014 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX033739.D

Acq: 13 Jan 2023 21:43

Instrument :

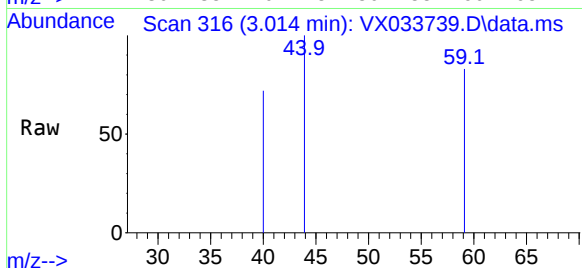
MSVOA_X

ClientSampleId :

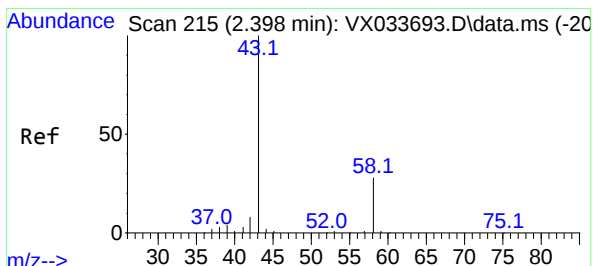
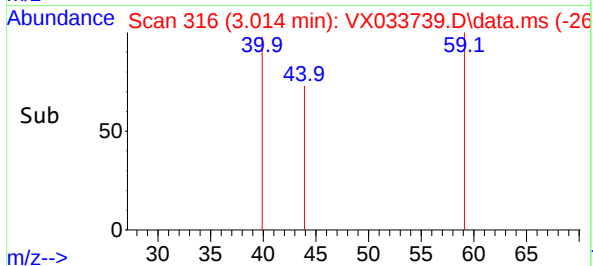
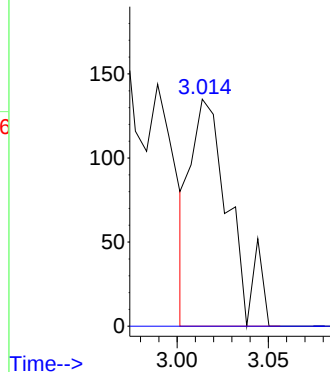
Tgt Ion: 59 Resp: 200

Ion Ratio Lower Upper

59 100
57 0.0 3.7 5.5#



Abundance



#16

Acetone

Concen: 39.364 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

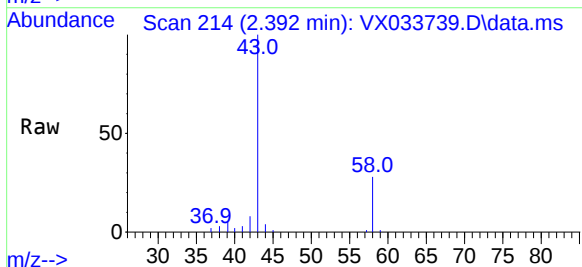
Lab File: VX033739.D

Acq: 13 Jan 2023 21:43

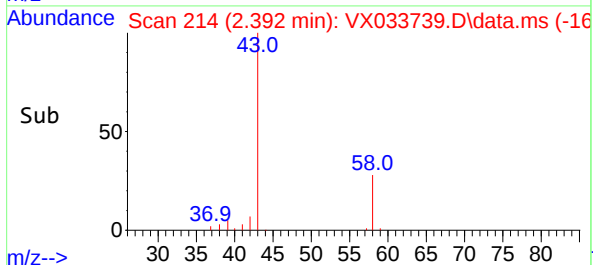
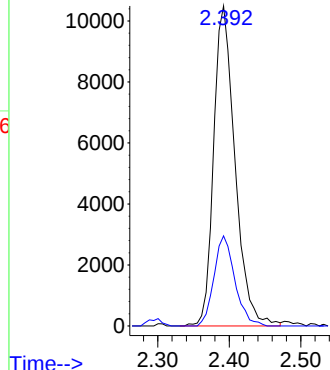
Tgt Ion: 43 Resp: 21729

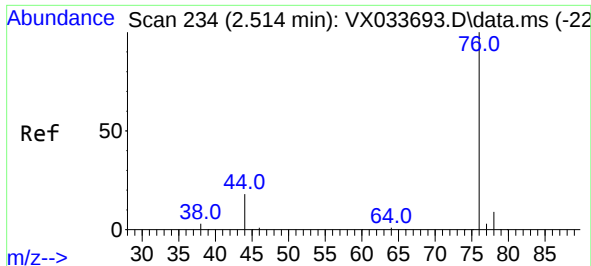
Ion Ratio Lower Upper

43 100
58 28.2 22.6 33.8



Abundance

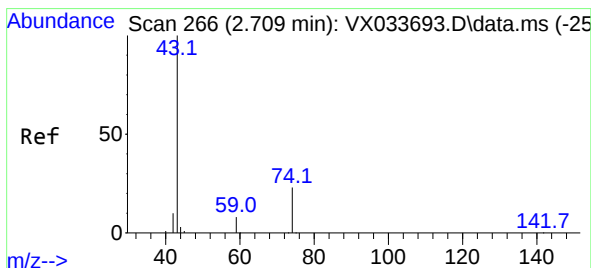
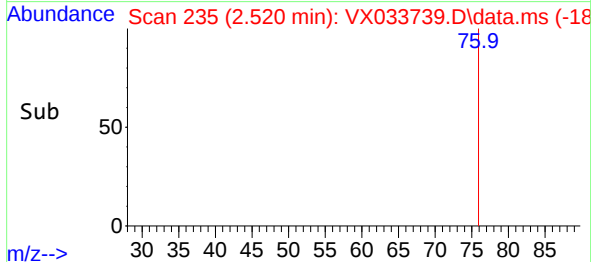
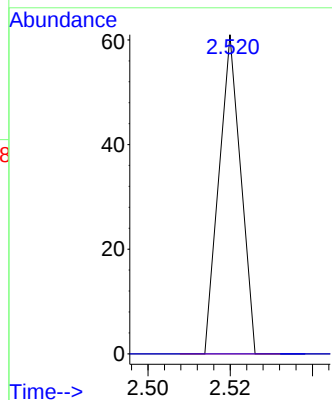
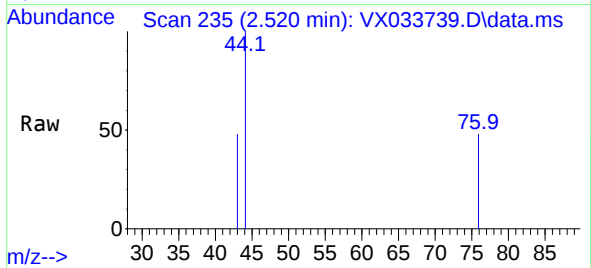




#17
Carbon Disulfide
Concen: 1.831 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

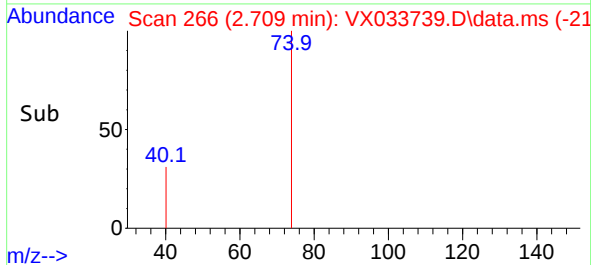
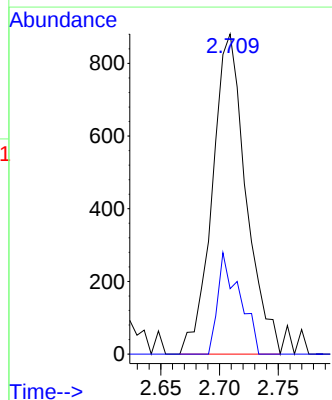
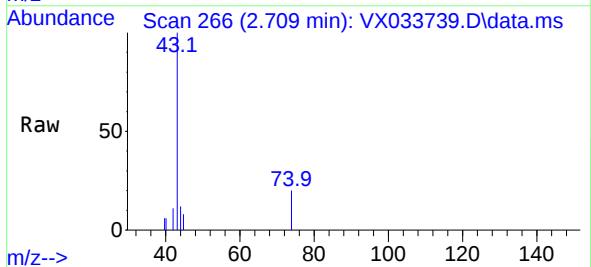
Instrument :
MSVOA_X
ClientSampleId :

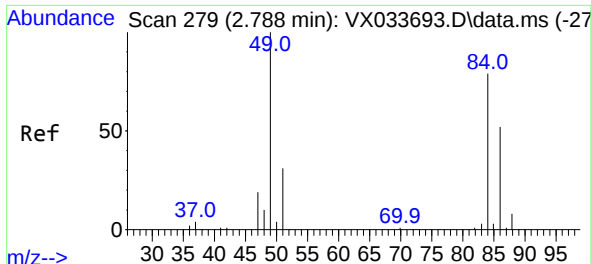
Tgt Ion: 76 Resp: 22
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.049 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

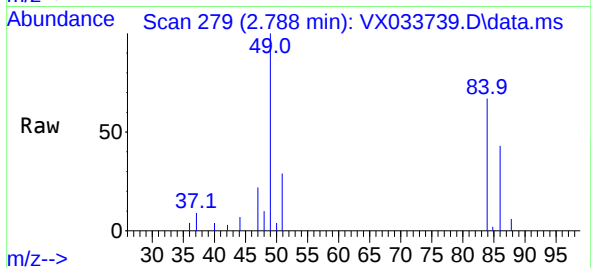
Tgt Ion: 43 Resp: 1757
Ion Ratio Lower Upper
43 100
74 20.5 18.2 27.4





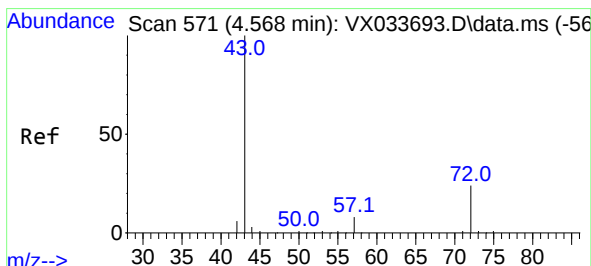
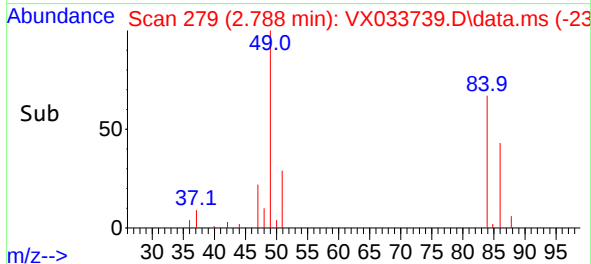
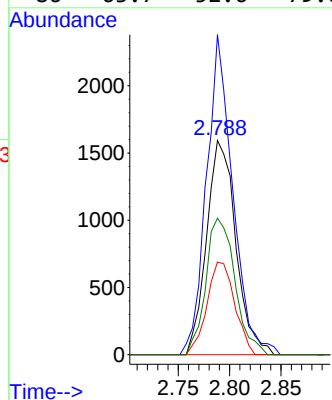
#20
Methylene Chloride
Concen: 0.549 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 3160

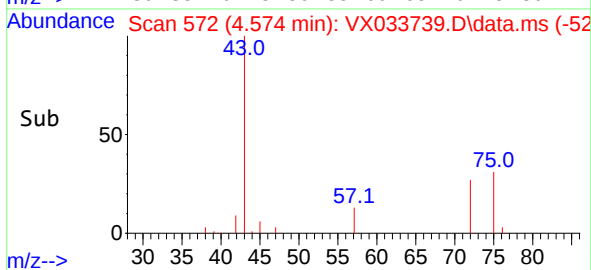
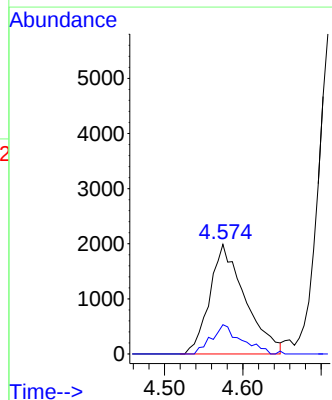
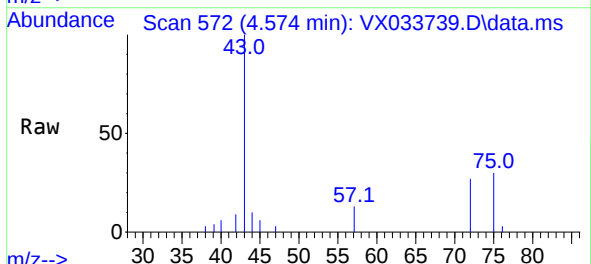
Ion	Ratio	Lower	Upper
84	100		
49	149.3	101.1	151.7
51	43.2	31.0	46.6
86	63.7	52.6	79.0

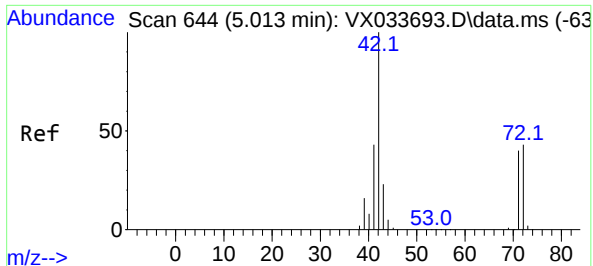


#25
2-Butanone
Concen: 7.950 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 43 Resp: 6236

Ion	Ratio	Lower	Upper
43	100		
72	26.7	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX033739.D

Acq: 13 Jan 2023 21:43

Instrument :

MSVOA_X

ClientSampleId :

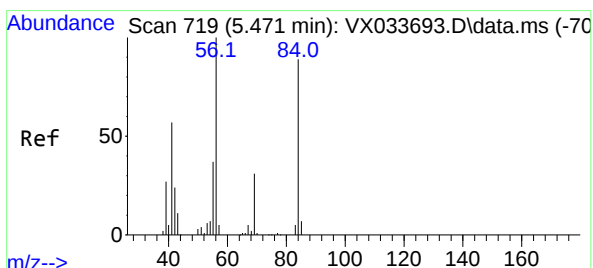
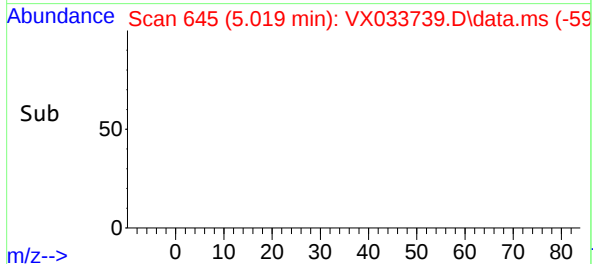
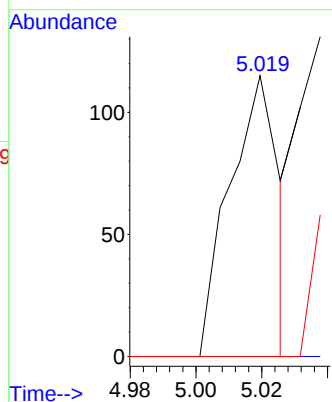
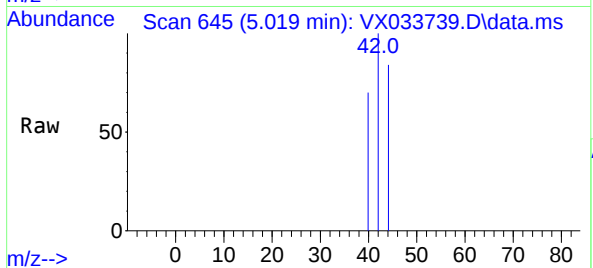
Tgt Ion: 42 Resp: 120

Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.321 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033739.D

Acq: 13 Jan 2023 21:43

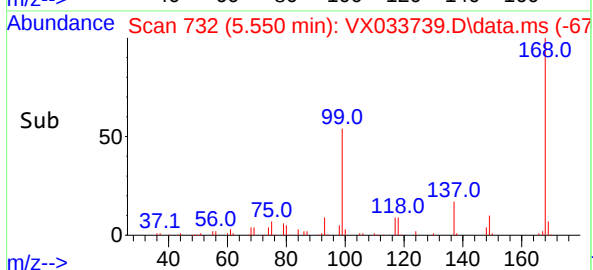
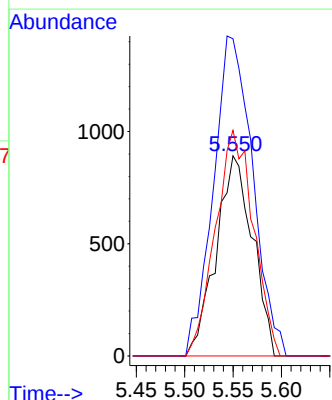
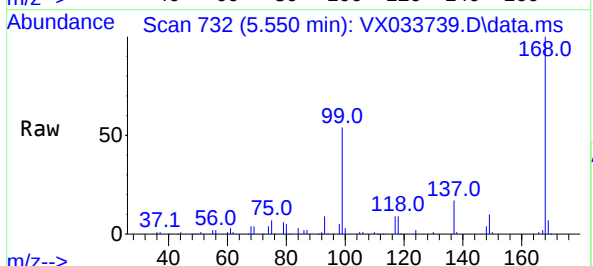
Tgt Ion: 56 Resp: 2333

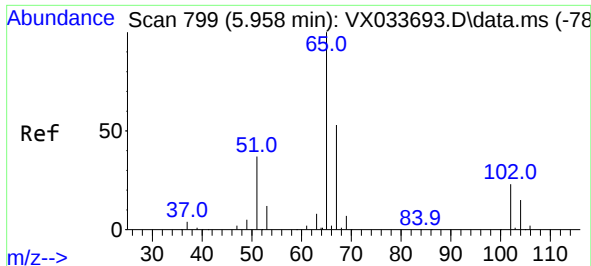
Ion Ratio Lower Upper

56 100

69 158.4 24.6 37.0#

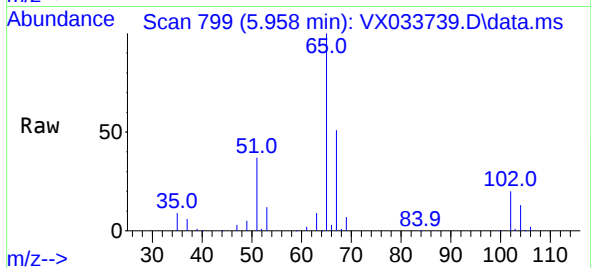
84 112.7 71.0 106.6#



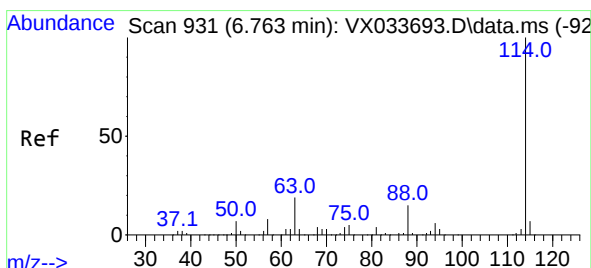
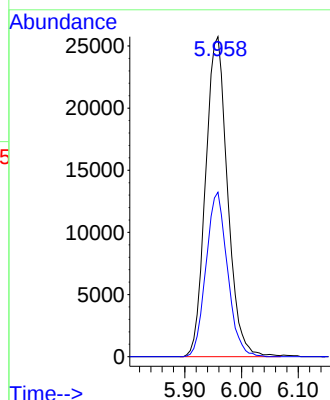
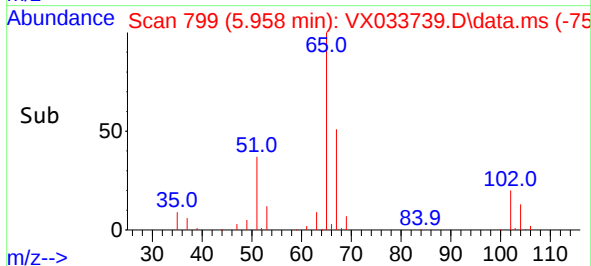


#33
 1,2-Dichloroethane-d4
 Concen: 57.735 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX033739.D
 Acq: 13 Jan 2023 21:43

Instrument :
 MSVOA_X
 ClientSampleId :

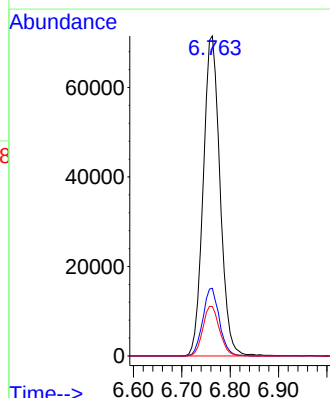
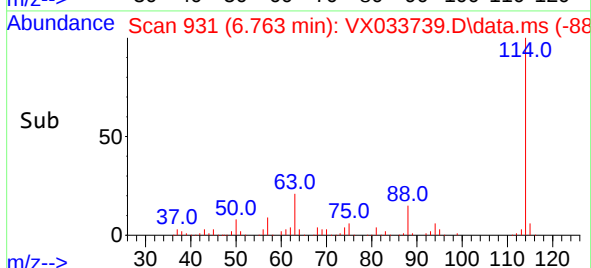
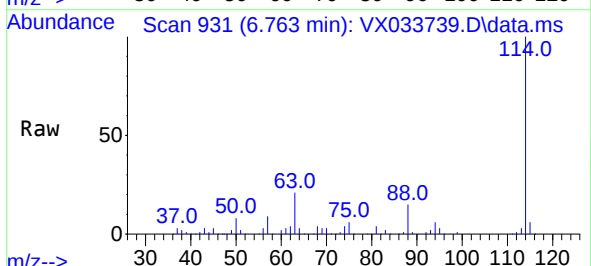


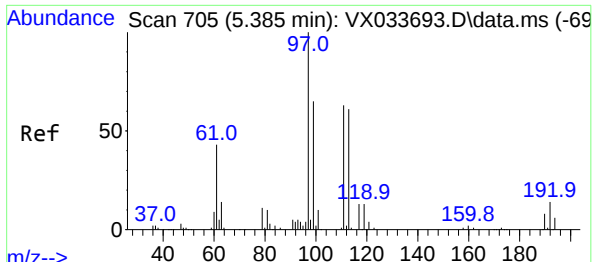
Tgt Ion: 65 Resp: 69315
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX033739.D
 Acq: 13 Jan 2023 21:43

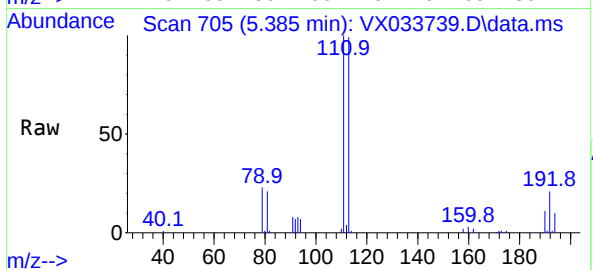
Tgt Ion: 114 Resp: 172391
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.4
 88 15.5 0.0 30.6



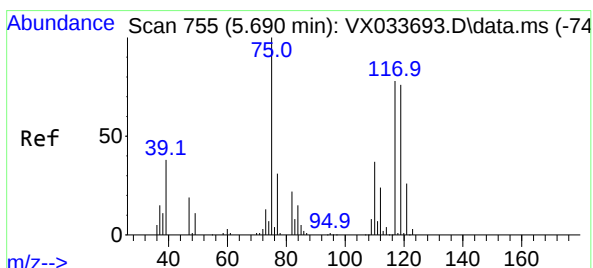
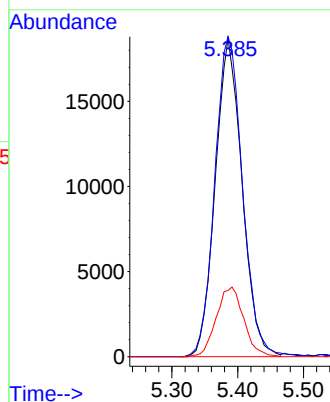
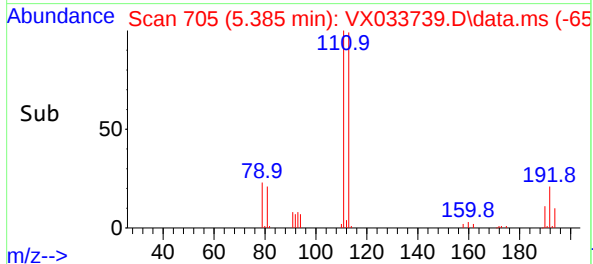


#35
Dibromofluoromethane
Concen: 49.425 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

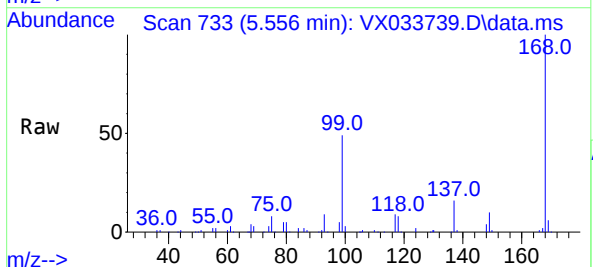
Instrument :
MSVOA_X
ClientSampleId :



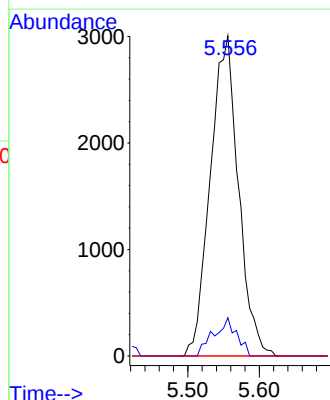
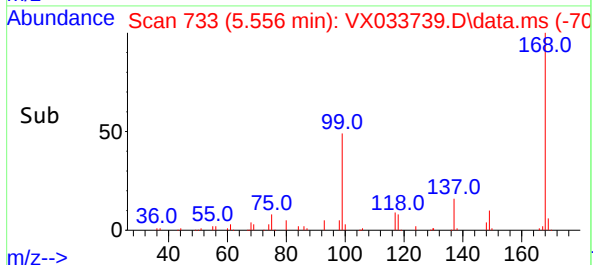
Tgt Ion:113 Resp: 52907
Ion Ratio Lower Upper
113 100
111 104.3 83.0 124.6
192 22.4 19.0 28.4

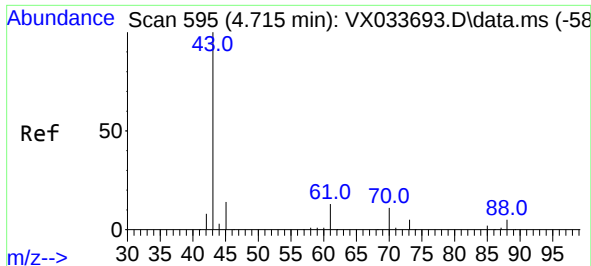


#36
1,1-Dichloropropene
Concen: 5.260 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43



Tgt Ion: 75 Resp: 8218
Ion Ratio Lower Upper
75 100
110 9.7 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 10.437 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

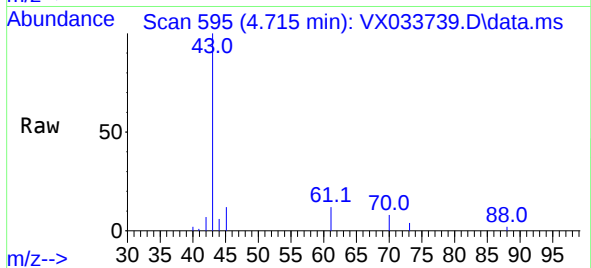
Lab File: VX033739.D

Acq: 13 Jan 2023 21:43

Instrument :

MSVOA_X

ClientSampleId :



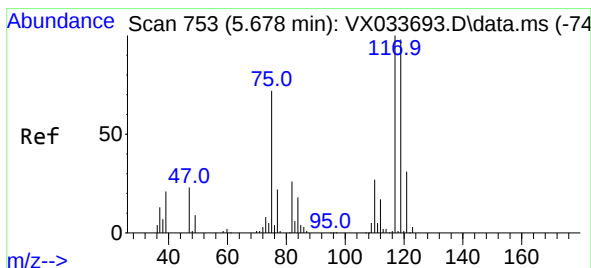
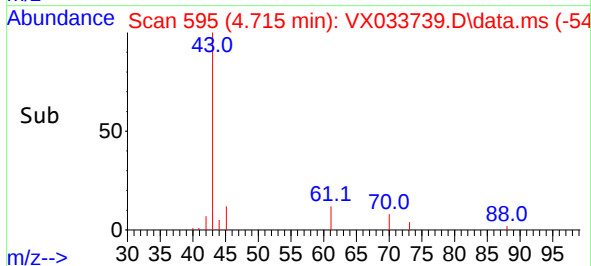
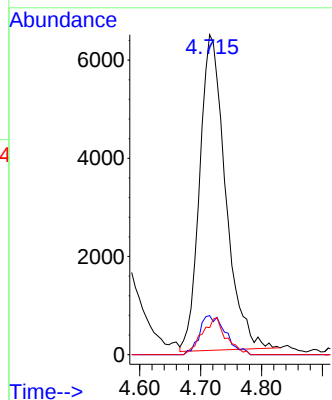
Tgt Ion: 43 Resp: 18930

Ion Ratio Lower Upper

43 100

61 12.6 11.1 16.7

70 10.9 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.472 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033739.D

Acq: 13 Jan 2023 21:43

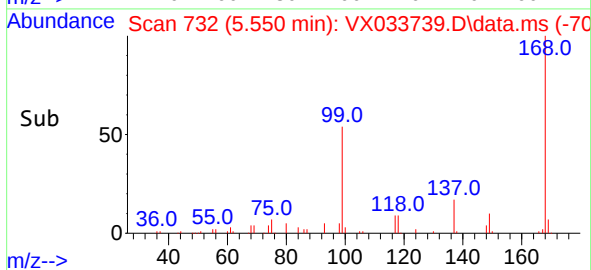
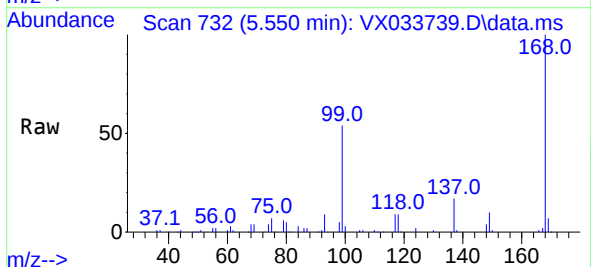
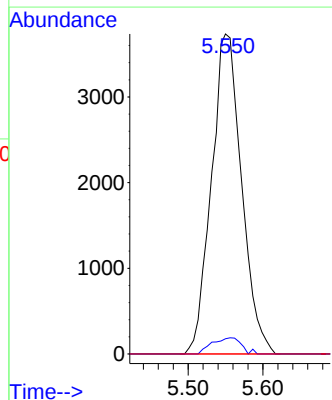
Tgt Ion: 117 Resp: 10473

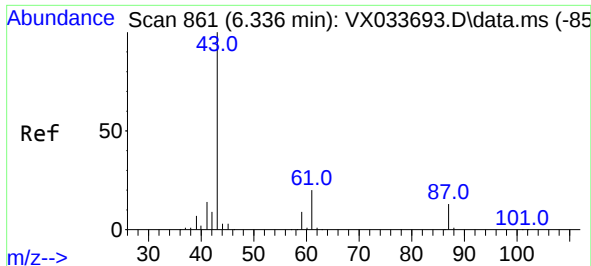
Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

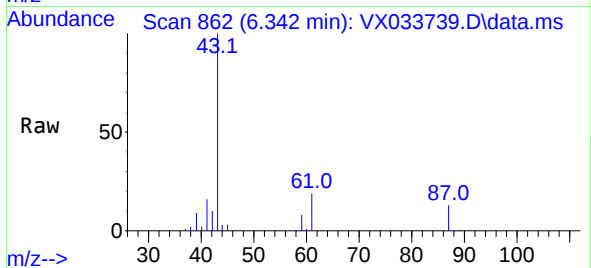
121 0.0 24.4 36.6#



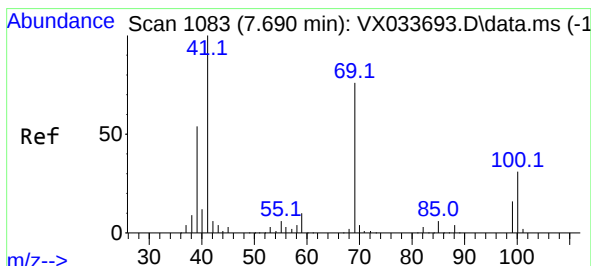
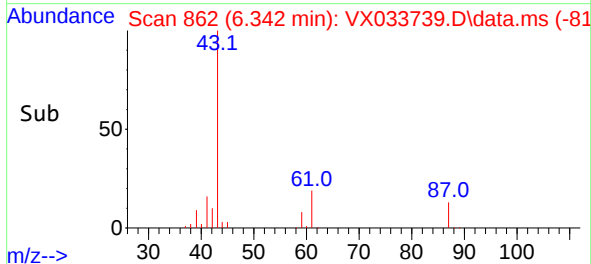
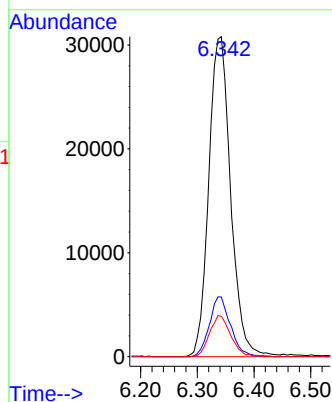


#43
Isopropyl Acetate
Concen: 33.460 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Instrument :
MSVOA_X
ClientSampleId :

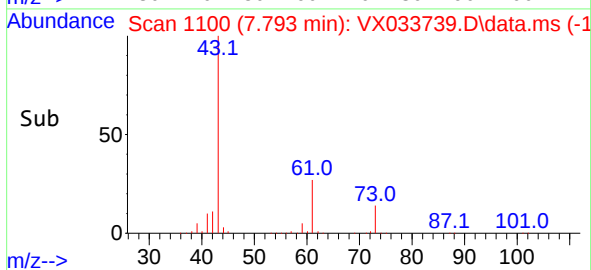
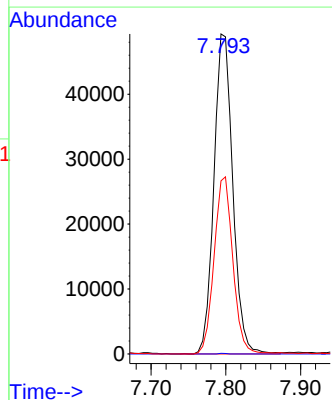
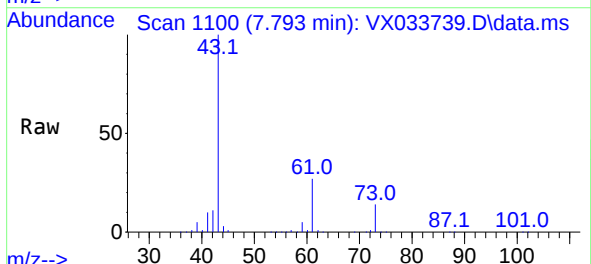


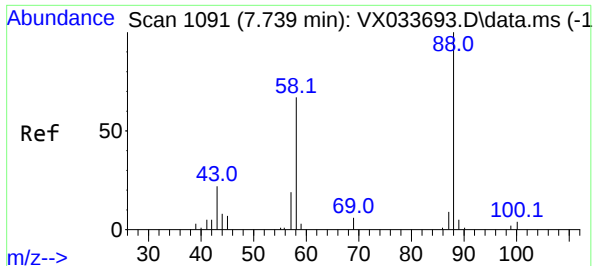
Tgt Ion: 43 Resp: 82525
Ion Ratio Lower Upper
43 100
61 18.1 15.7 23.5
87 12.4 10.6 15.8



#48
Methyl methacrylate
Concen: 69.711 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 41 Resp: 86609
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 55.4 43.2 64.8

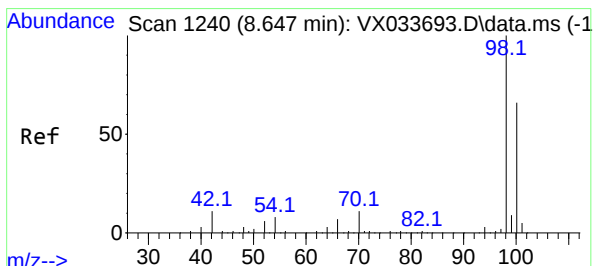
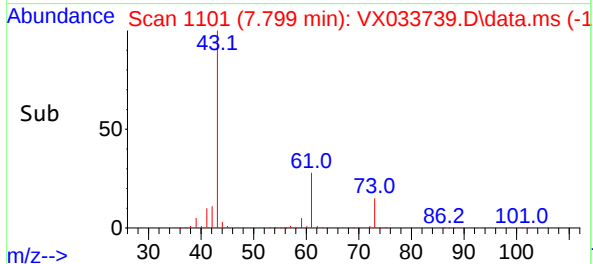
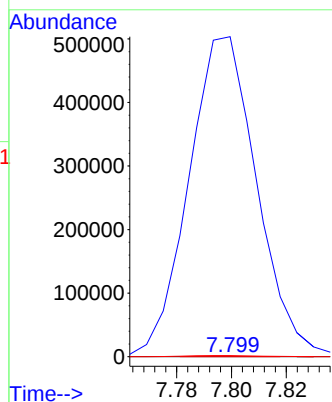
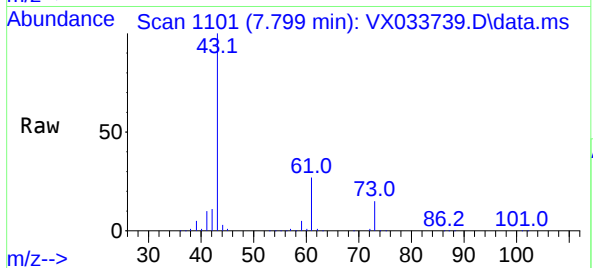




#49
1,4-Dioxane
Concen: 3.311 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

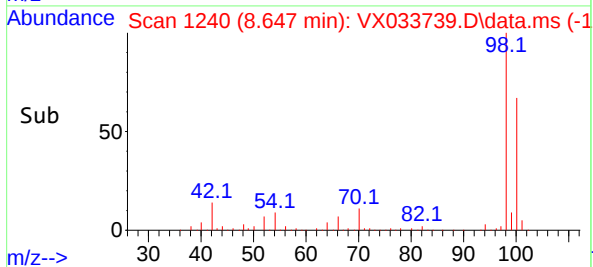
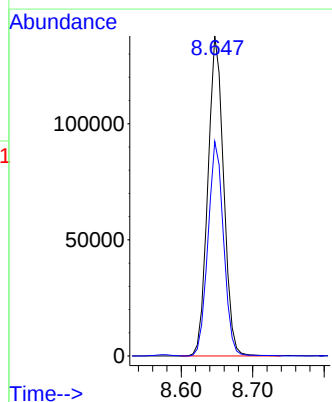
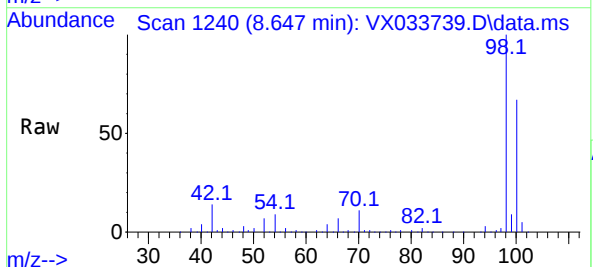
Instrument :
MSVOA_X
ClientSampleId :

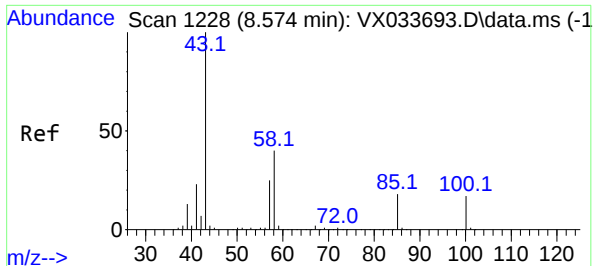
Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 965802.2 0.0 0.0#
58 3738.5 56.5 84.7#



#50
Toluene-d8
Concen: 54.046 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 98 Resp: 210793
Ion Ratio Lower Upper
98 100
100 66.4 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 47.422 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033739.D

Acq: 13 Jan 2023 21:43

Instrument :

MSVOA_X

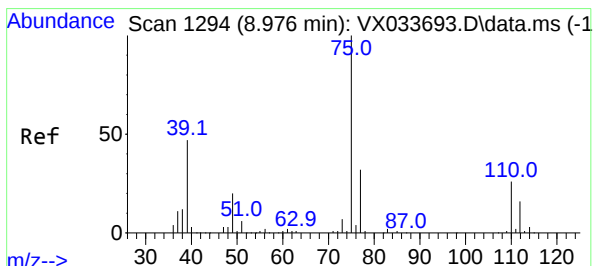
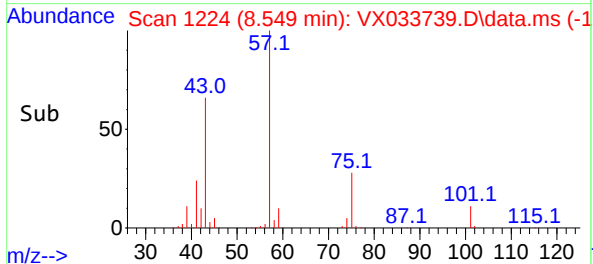
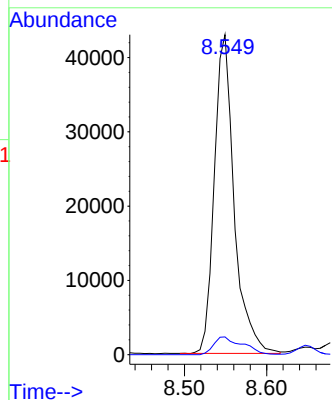
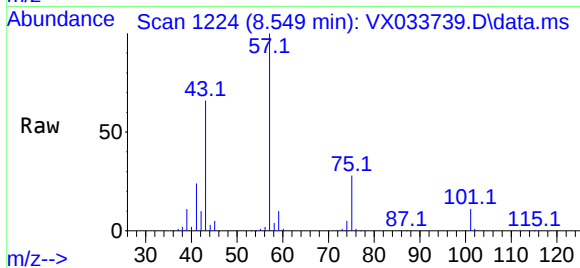
ClientSampleId :

Tgt Ion: 43 Resp: 71831

Ion Ratio Lower Upper

43 100

58 8.2 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.397 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX033739.D

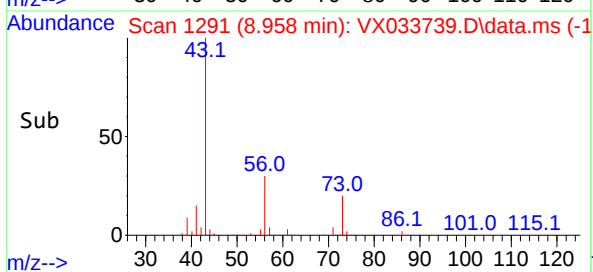
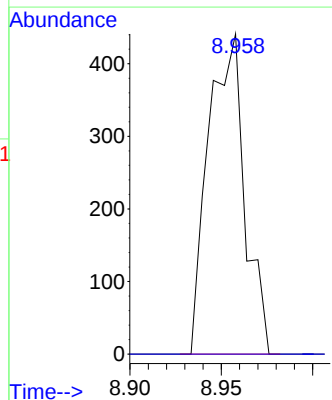
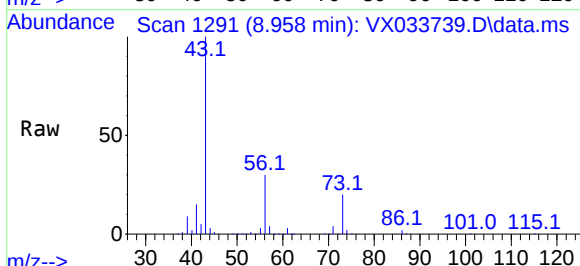
Acq: 13 Jan 2023 21:43

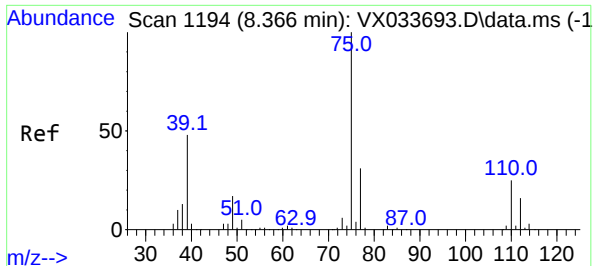
Tgt Ion: 75 Resp: 609

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

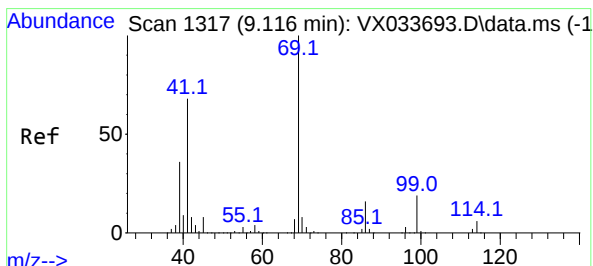
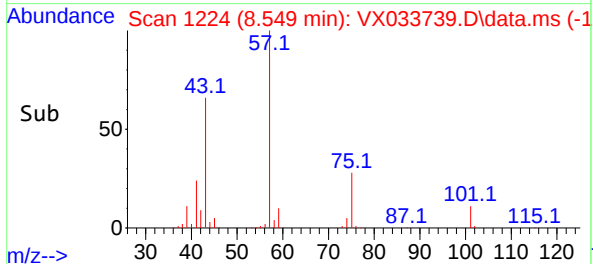
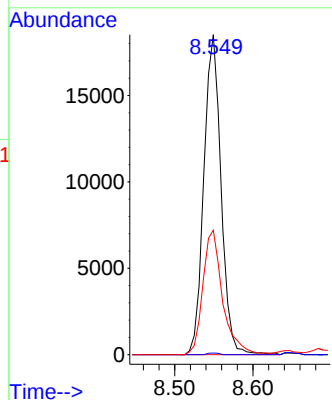
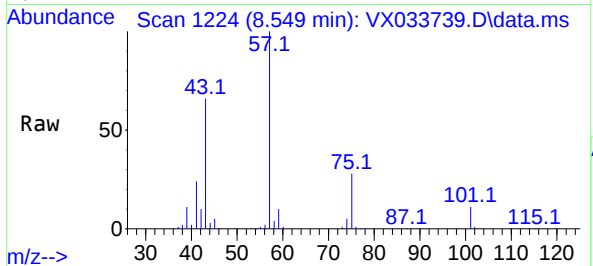




#54
cis-1,3-Dichloropropene
Concen: 16.427 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

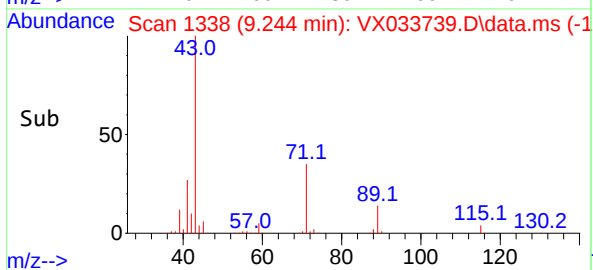
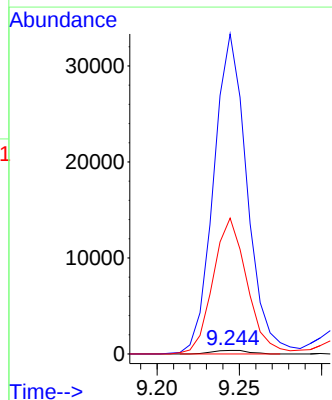
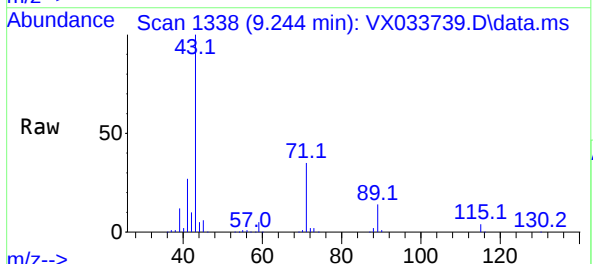
Instrument :
MSVOA_X
ClientSampleId :

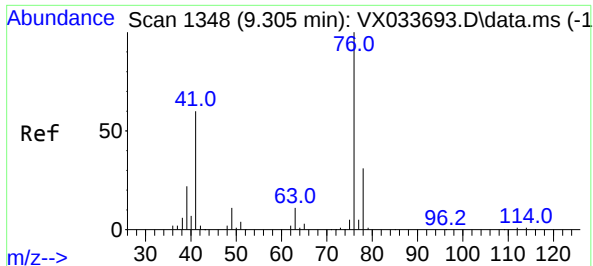
Tgt Ion: 75 Resp: 28265
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 38.9 38.6 58.0



#56
Ethyl methacrylate
Concen: 0.353 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 69 Resp: 579
Ion Ratio Lower Upper
69 100
41 8182.7 55.1 82.7#
39 3525.9 28.5 42.7#

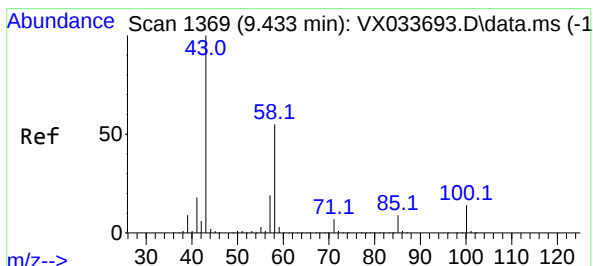
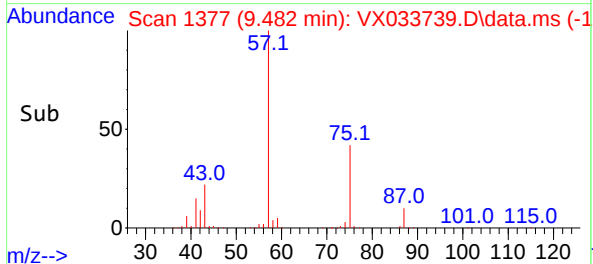
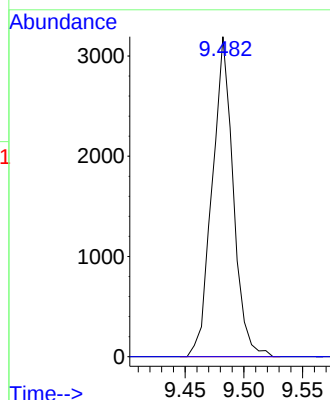
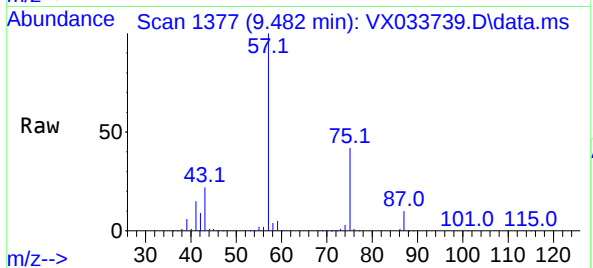




#57
1,3-Dichloropropane
Concen: 2.108 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

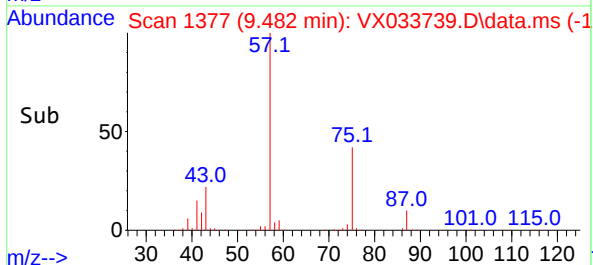
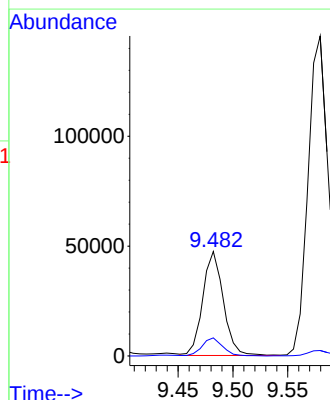
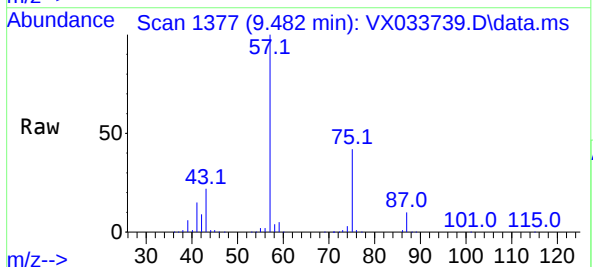
Instrument :
MSVOA_X
ClientSampleId :

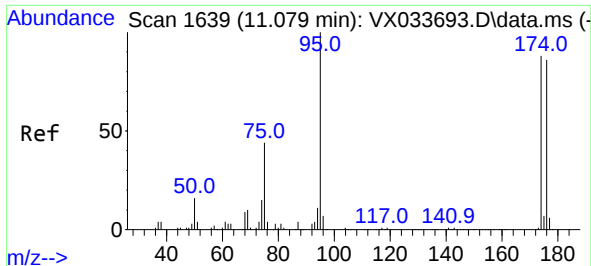
Tgt Ion: 76 Resp: 3979
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 58.719 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 43 Resp: 61905
Ion Ratio Lower Upper
43 100
58 17.5 27.4 82.0#

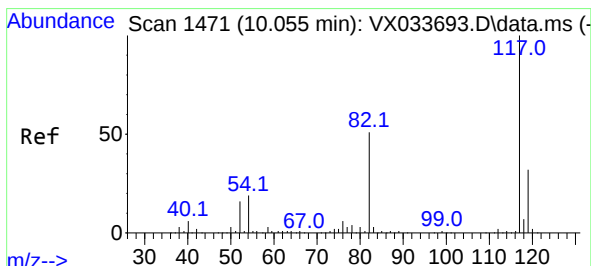
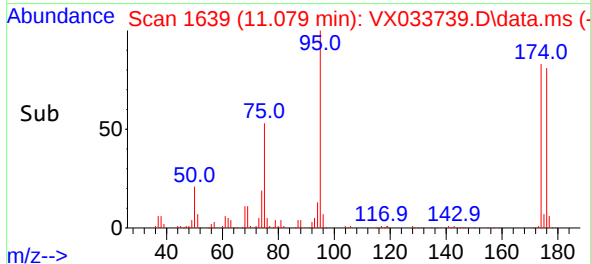
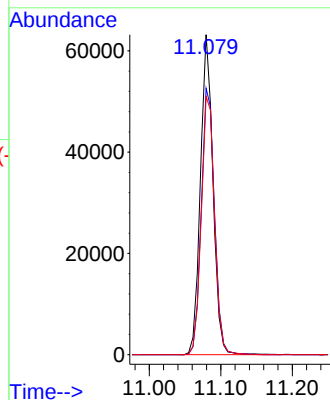
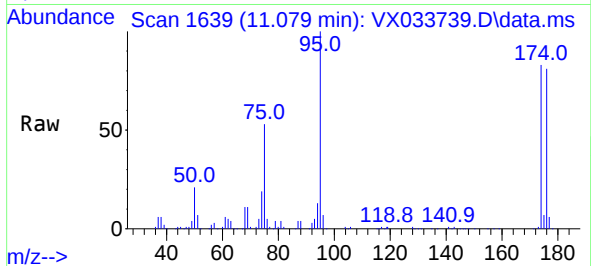




#62
4-Bromofluorobenzene
Concen: 53.138 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

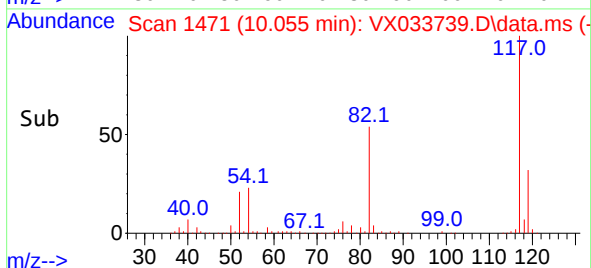
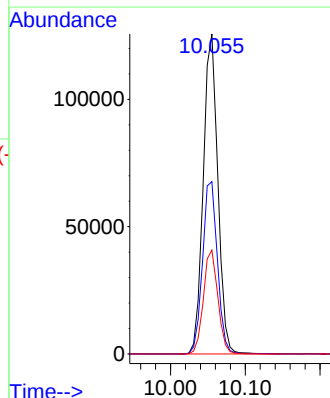
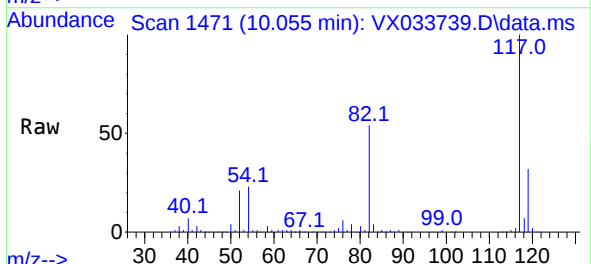
Instrument :
MSVOA_X
ClientSampleId :

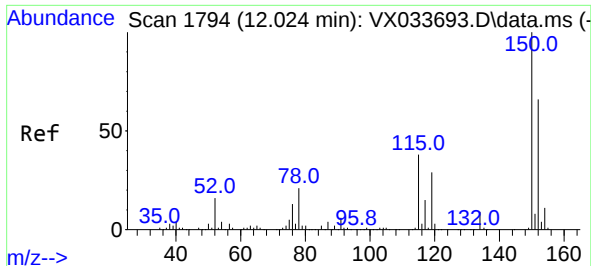
Tgt Ion: 95 Resp: 76948
Ion Ratio Lower Upper
95 100
174 87.6 0.0 184.4
176 85.0 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

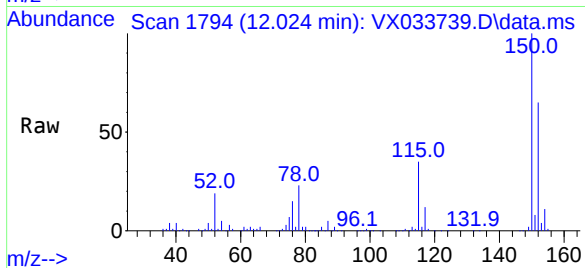
Tgt Ion: 117 Resp: 170215
Ion Ratio Lower Upper
117 100
82 53.9 40.6 60.8
119 32.4 25.6 38.4



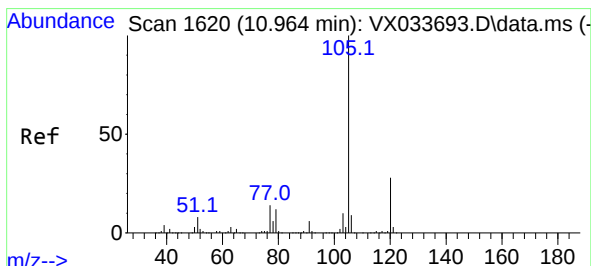
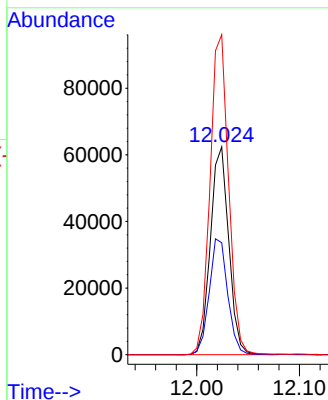
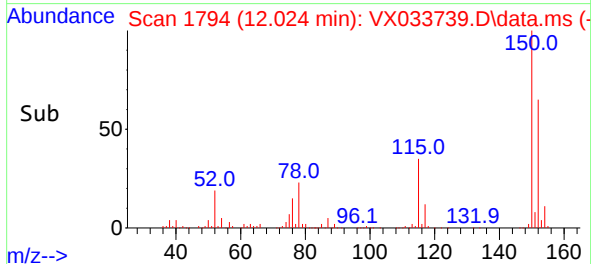


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

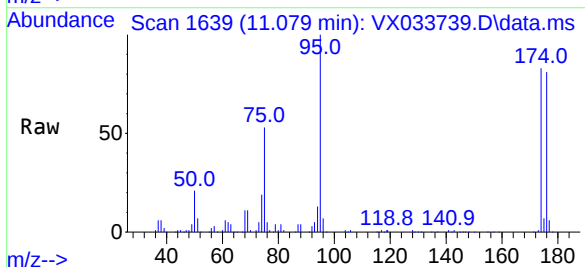
Instrument :
MSVOA_X
ClientSampleId :



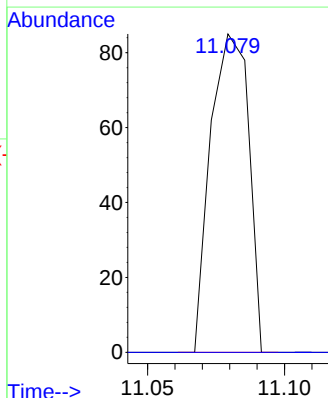
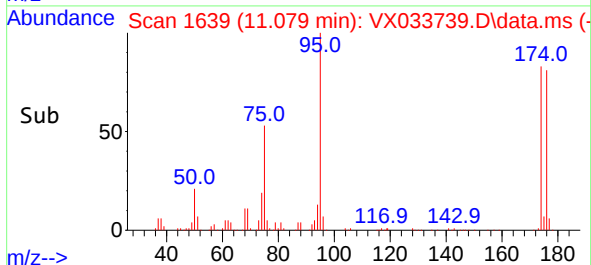
Tgt Ion:152 Resp: 77489
Ion Ratio Lower Upper
152 100
115 56.4 38.7 116.1
150 155.5 0.0 348.2

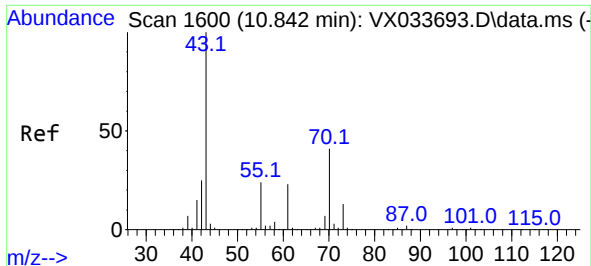


#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43



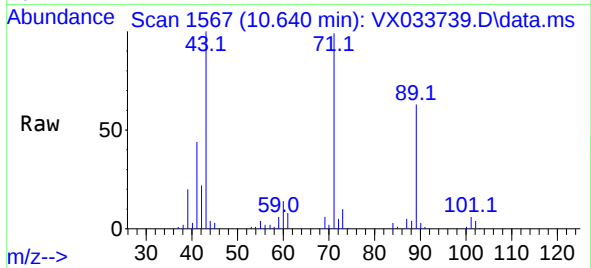
Tgt Ion:105 Resp: 82
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





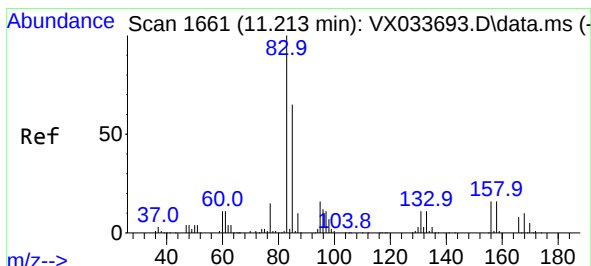
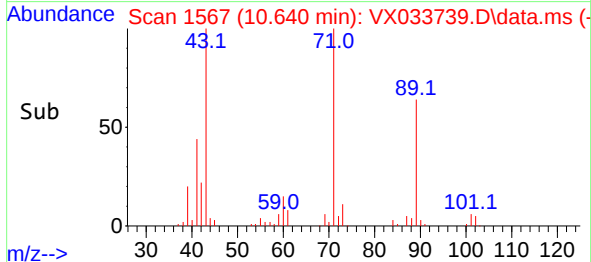
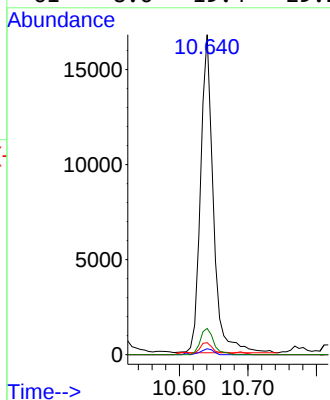
#74
N-amy1 acetate
Concen: 10.679 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 43 Resp: 21729

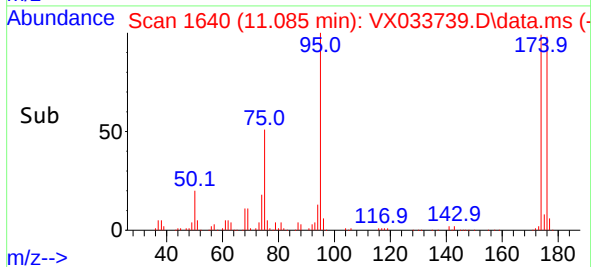
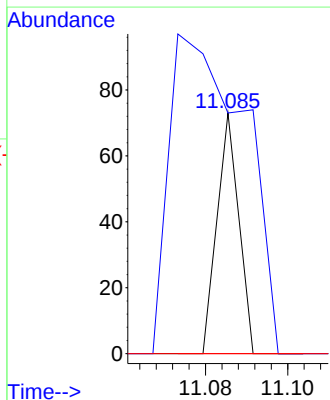
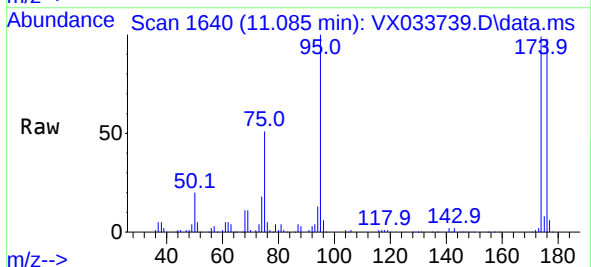
Ion	Ratio	Lower	Upper
43	100		
70	1.8	34.8	52.2#
55	5.0	19.4	29.0#
61	8.6	19.4	29.2#

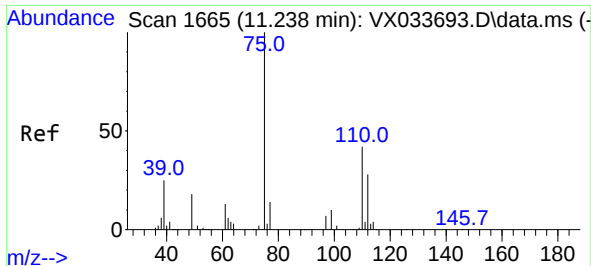


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. -0.128 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 83 Resp: 27

Ion	Ratio	Lower	Upper
83	100		
131	455.6	5.5	16.7#
85	0.0	32.3	96.9#

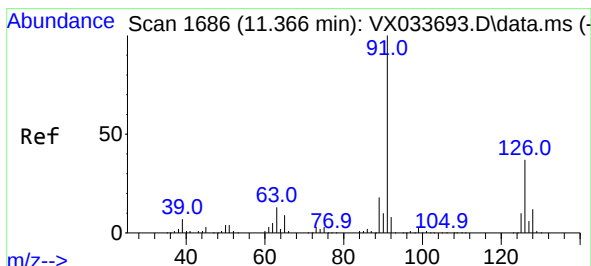
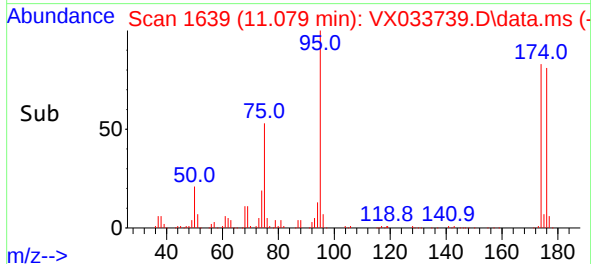
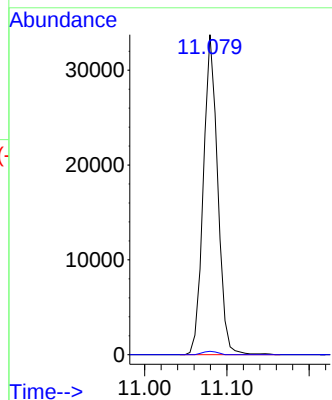
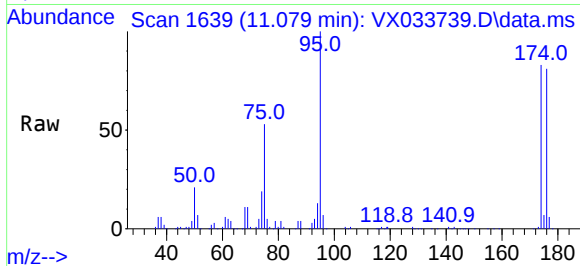




#76
1,2,3-Trichloropropane
Concen: 28.705 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

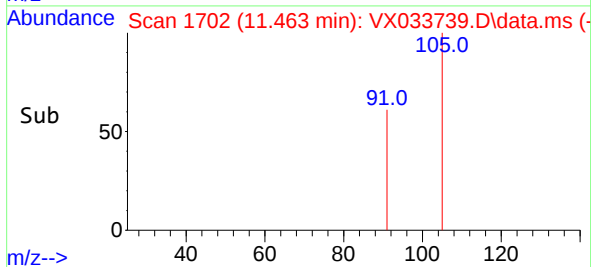
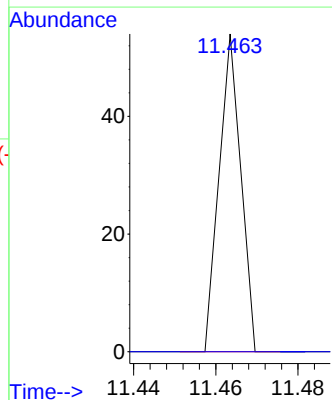
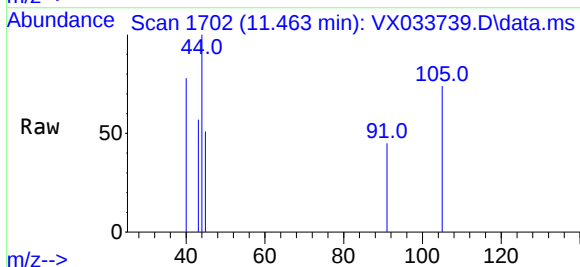
Instrument :
MSVOA_X
ClientSampleId :

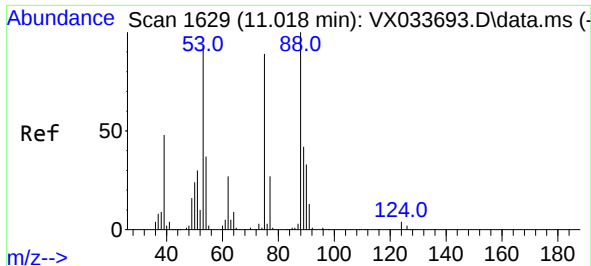
Tgt Ion: 75 Resp: 40869
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.097 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

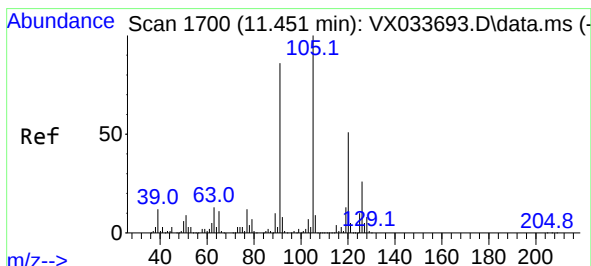
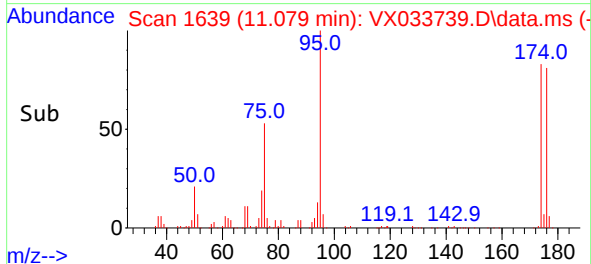
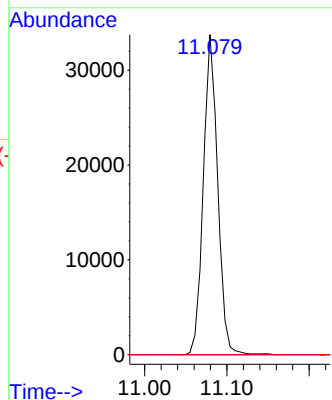
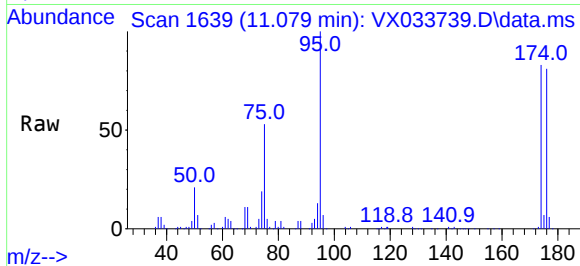




#81
trans-1,4-Dichloro-2-butene
Concen: 89.213 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 40869
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: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX033739.D
Acq: 13 Jan 2023 21:43

Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

