

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033793.D
 Acq On : 19 Jan 2023 12:05
 Operator : JC/MD
 Sample : PB150330ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:19:32 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)

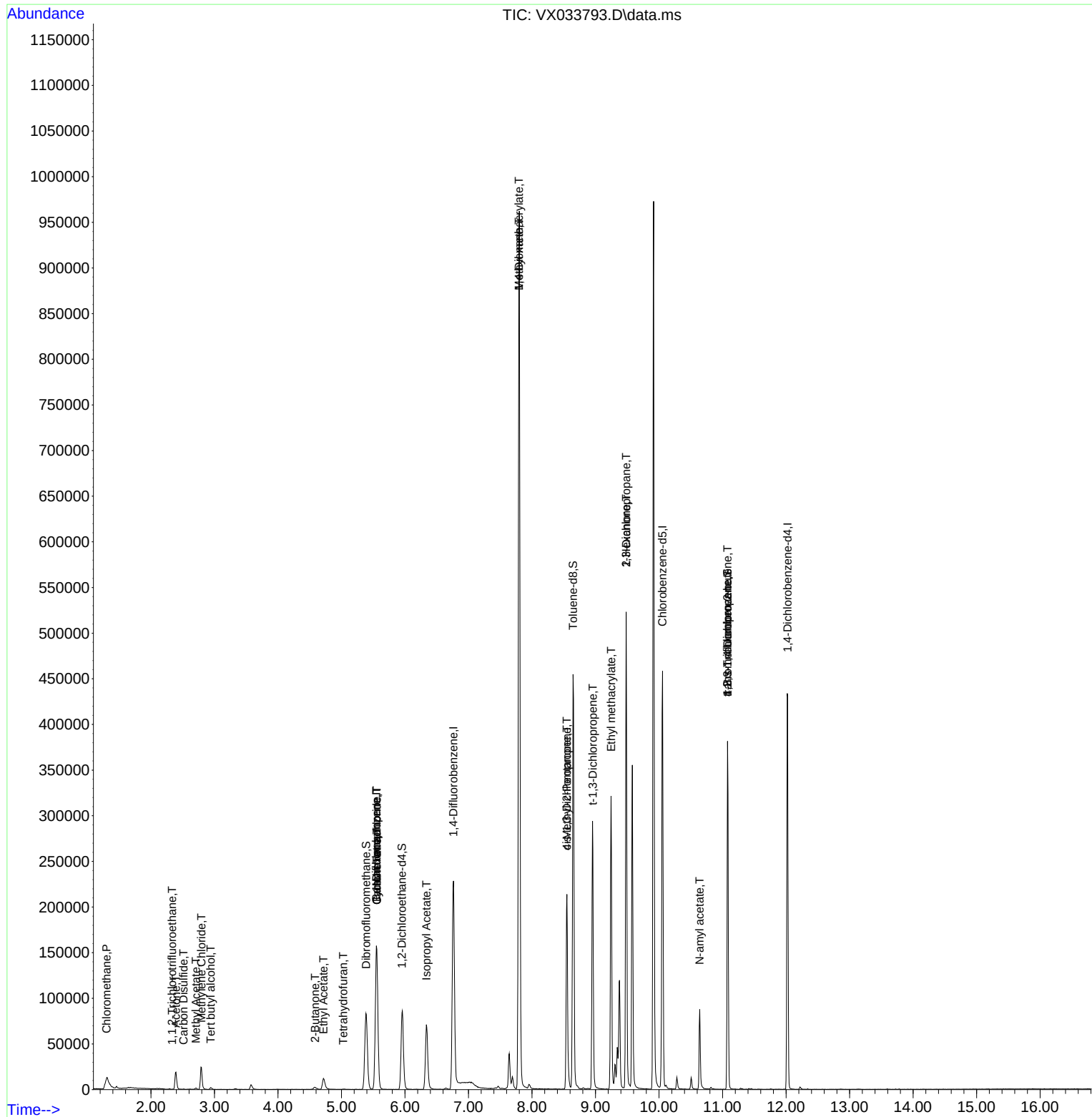
Internal Standards						
1) Pentafluorobenzene	5.550	168	168142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	244677	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81258	45.899	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.800%
35) Dibromofluoromethane	5.385	113	73816	48.585	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.180%
50) Toluene-d8	8.647	98	277156	50.067	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.140%
62) 4-Bromofluorobenzene	11.079	95	97399	47.390	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	580	0.391	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	43	0.750	ug/l #	16
11) Tert butyl alcohol	2.940	59	1362	4.429	ug/l #	86
16) Acetone	2.392	43	24260	26.638	ug/l	91
17) Carbon Disulfide	2.514	76	534	1.971	ug/l #	76
18) Methyl Acetate	2.709	43	1878	0.760	ug/l	100
20) Methylene Chloride	2.794	84	11885	5.491	ug/l	96
25) 2-Butanone	4.586	43	4457	3.853	ug/l	99
29) Tetrahydrofuran	5.025	42	167	0.229	ug/l #	59
31) Cyclohexane	5.556	56	2686	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10069	4.541	ug/l #	49
37) Ethyl Acetate	4.714	43	21978	7.986	ug/l	99
38) Carbon Tetrachloride	5.556	117	14196	6.181	ug/l #	15
43) Isopropyl Acetate	6.336	43	97576	27.875	ug/l	99
48) Methyl methacrylate	7.793	41	81076	45.978	ug/l #	44
49) 1,4-Dioxane	7.793	88	72	1.846	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76115	35.405	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	745	0.342	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36478	14.937	ug/l #	59
56) Ethyl methacrylate	9.244	69	572	0.246	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4491	1.676	ug/l #	43
59) 2-Hexanone	9.482	43	61646	41.198	ug/l #	51
64) Tetrachloroethene	9.275	164	52	Below Cal	#	26
73) Isopropylbenzene	10.969	105	115	Below Cal	#	48
74) N-amyl acetate	10.640	43	23935	8.805	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	45123	23.724	ug/l #	34
79) 2-Chlorotoluene	11.366	91	142	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45123	73.732	ug/l #	8
82) 4-Chlorotoluene	11.457	91	243	Below Cal	#	43

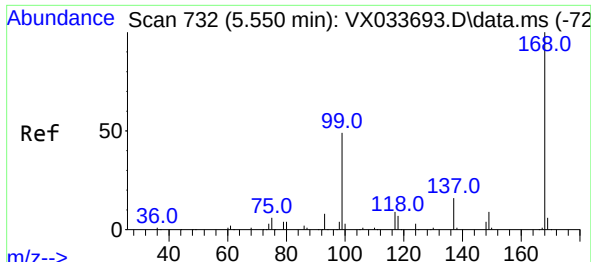
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
Data File : VX033793.D
Acq On : 19 Jan 2023 12:05
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

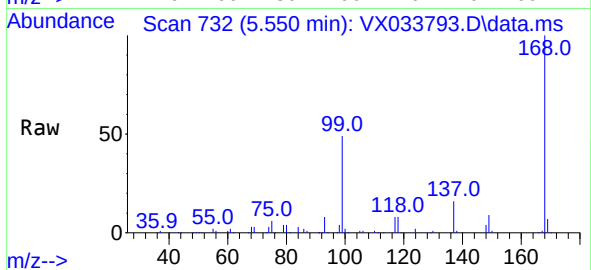
Quant Time: Jan 20 05:19:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



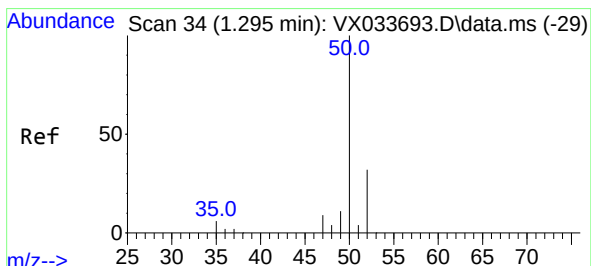
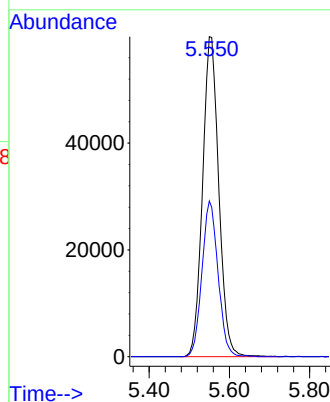
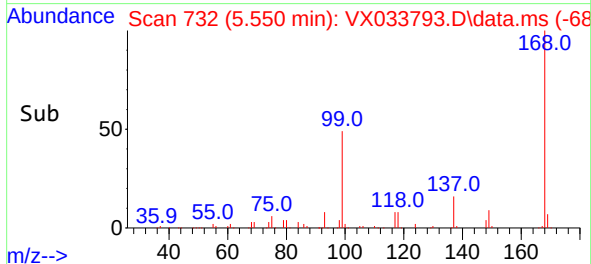


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Instrument :
MSVOA_X
ClientSampleId :

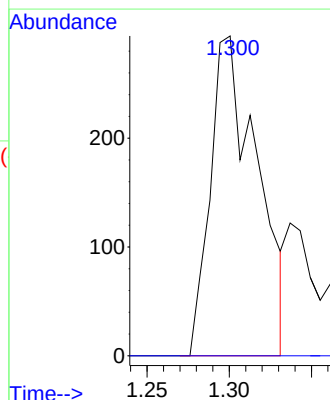
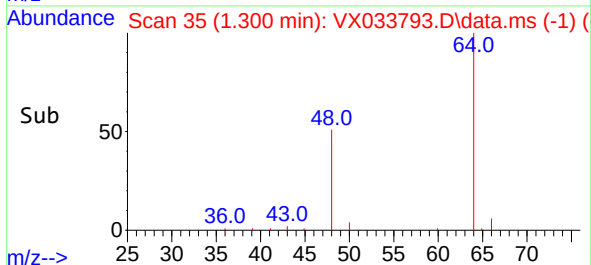
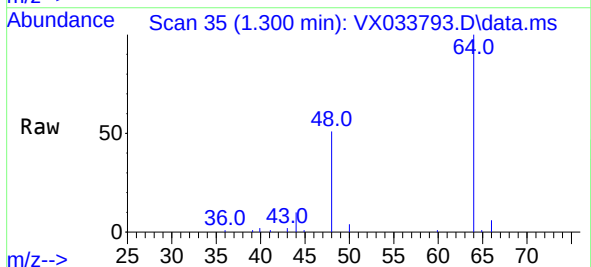


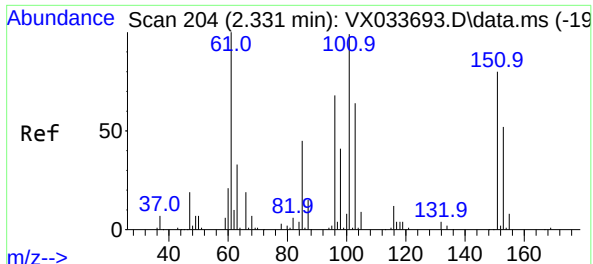
Tgt Ion:168 Resp: 168142
Ion Ratio Lower Upper
168 100
99 48.6 39.6 59.4



#3
Chloromethane
Concen: 0.391 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Tgt Ion: 50 Resp: 580
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#

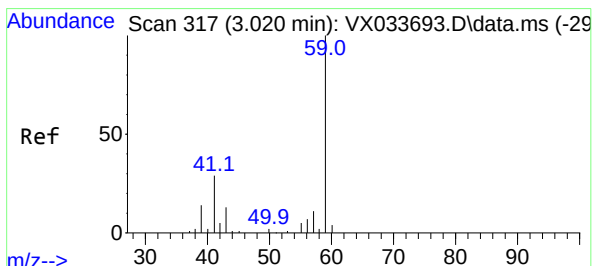
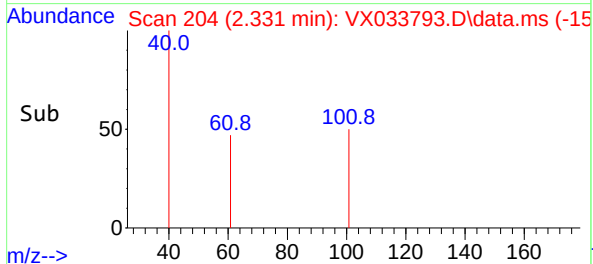
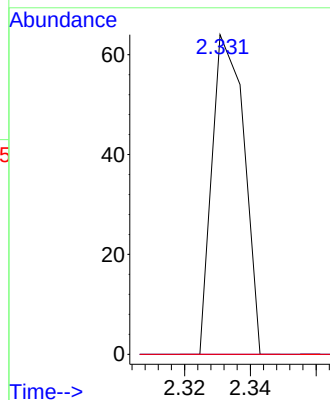
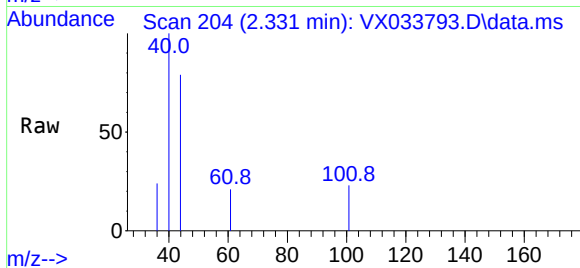




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.750 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

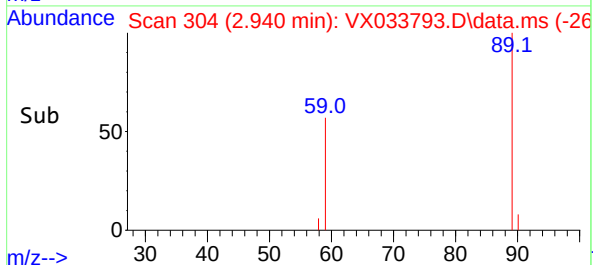
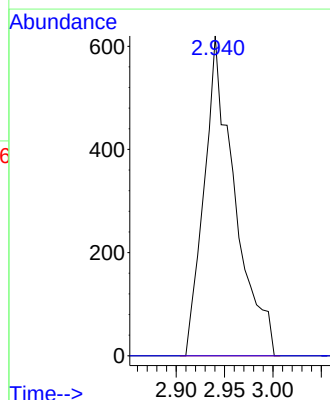
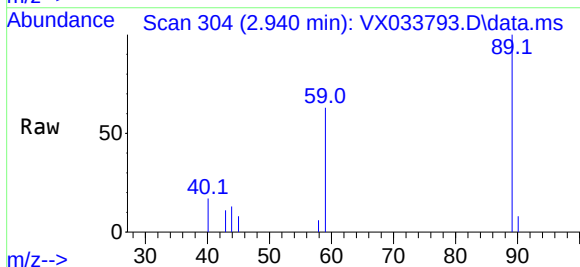
Instrument :
MSVOA_X
ClientSampleId :

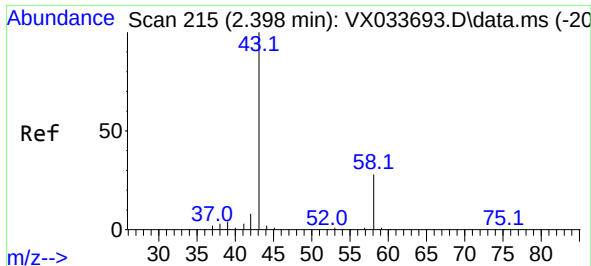
Tgt Ion:101 Resp: 43
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 0.0 66.5 99.7#



#11
Tert butyl alcohol
Concen: 4.429 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Tgt Ion: 59 Resp: 1362
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

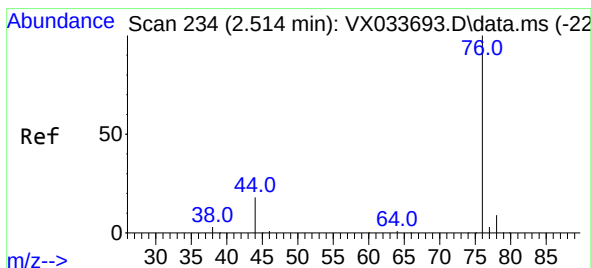
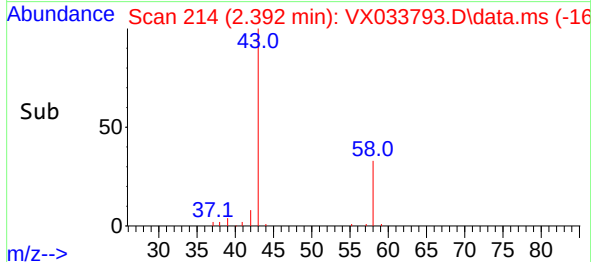
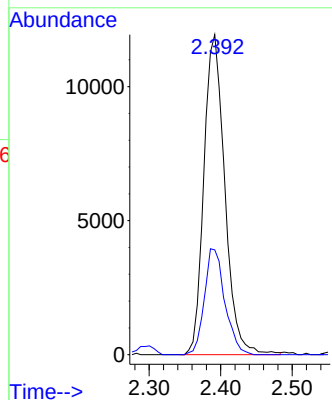
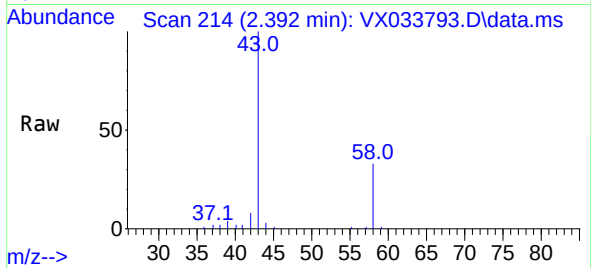




#16
Acetone
Concen: 26.638 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

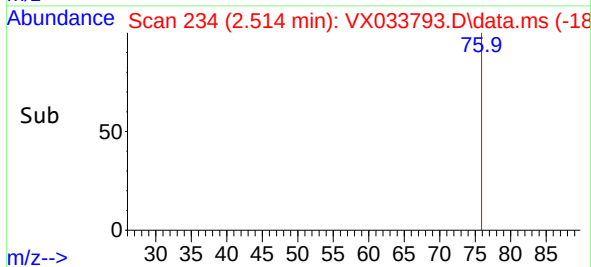
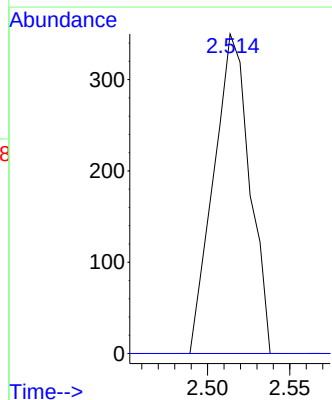
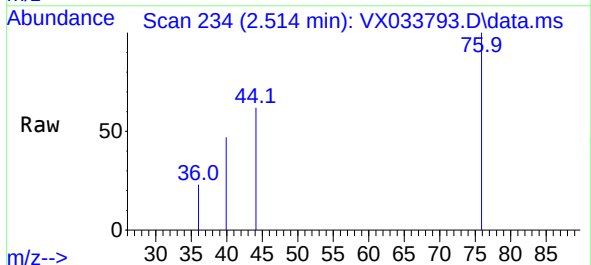
Instrument :
MSVOA_X
ClientSampleId :

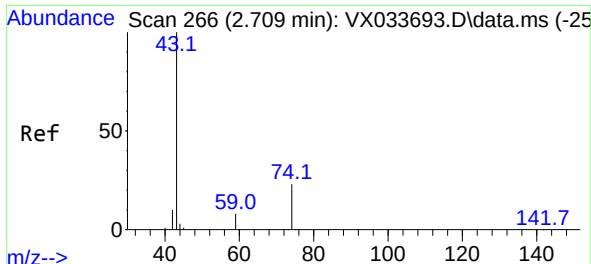
Tgt Ion: 43 Resp: 24260
Ion Ratio Lower Upper
43 100
58 32.8 22.6 33.8



#17
Carbon Disulfide
Concen: 1.971 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

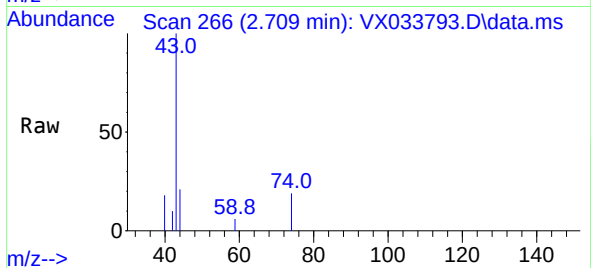
Tgt Ion: 76 Resp: 534
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



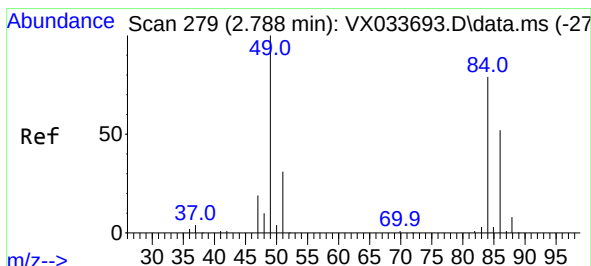
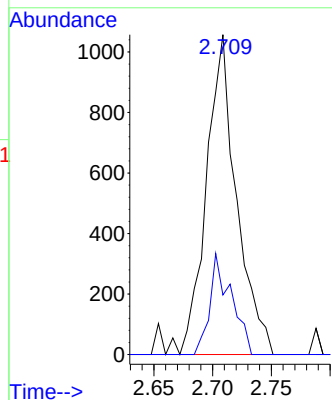
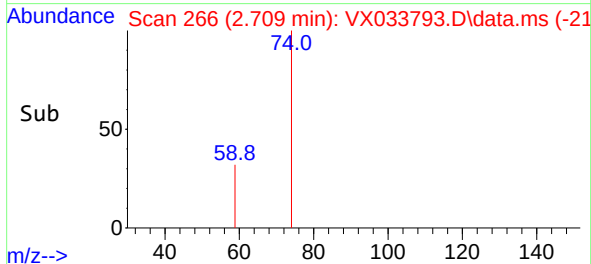


#18
Methyl Acetate
Concen: 0.760 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

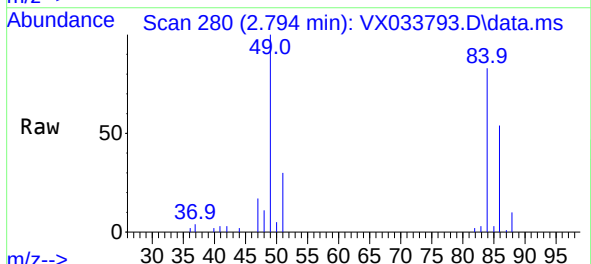
Instrument :
MSVOA_X
ClientSampleId :



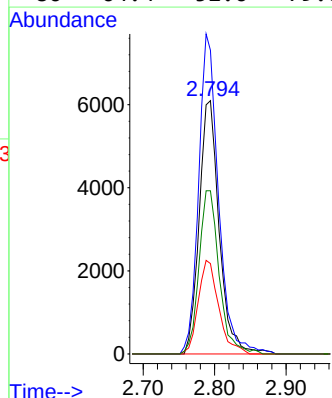
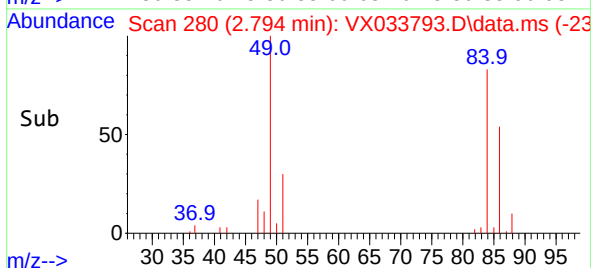
Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
74 22.6 18.2 27.4

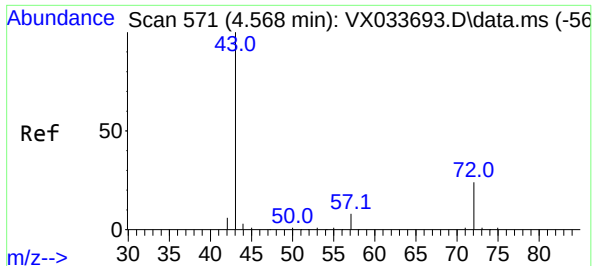


#20
Methylene Chloride
Concen: 5.491 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05



Tgt Ion: 84 Resp: 11885
Ion Ratio Lower Upper
84 100
49 119.9 101.1 151.7
51 35.7 31.0 46.6
86 64.4 52.6 79.0





#25

2-Butanone

Concen: 3.853 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

Instrument :

MSVOA_X

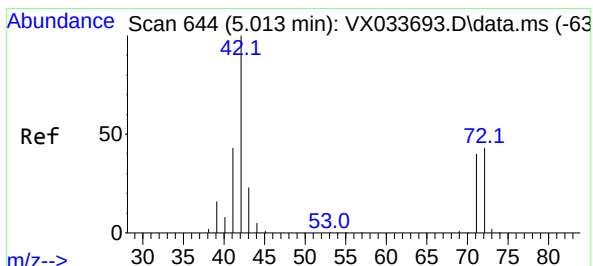
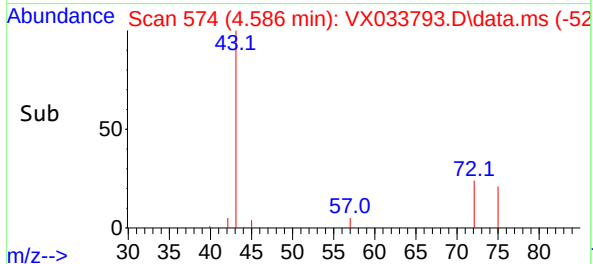
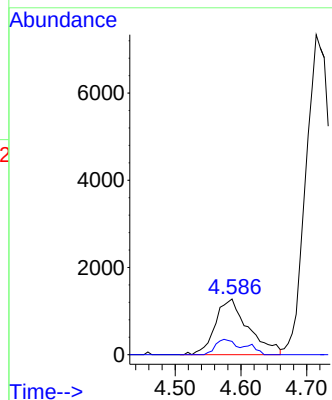
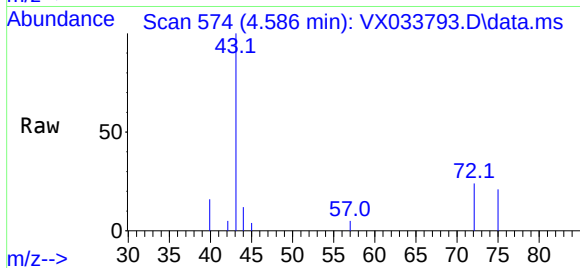
ClientSampleId :

Tgt Ion: 43 Resp: 4457

Ion Ratio Lower Upper

43 100

72 23.8 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

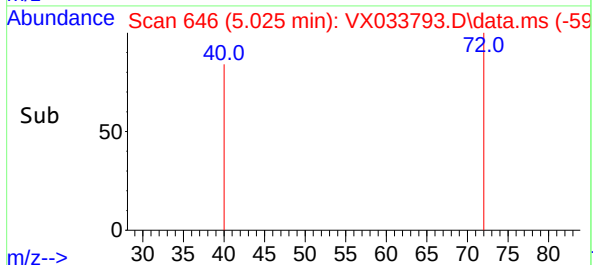
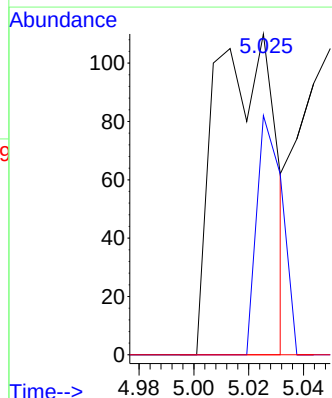
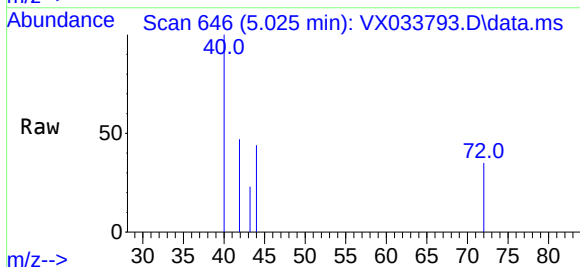
Tgt Ion: 42 Resp: 167

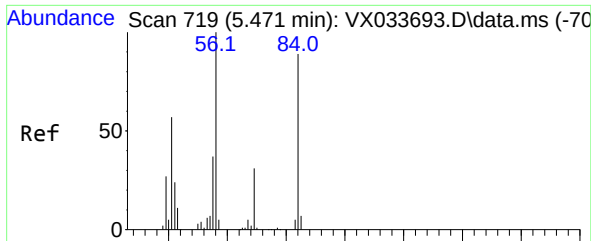
Ion Ratio Lower Upper

42 100

72 31.7 34.8 52.2#

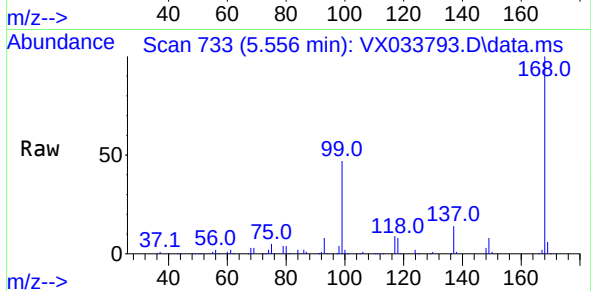
71 0.0 32.2 48.2#



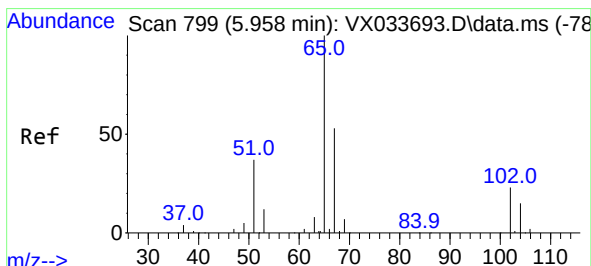
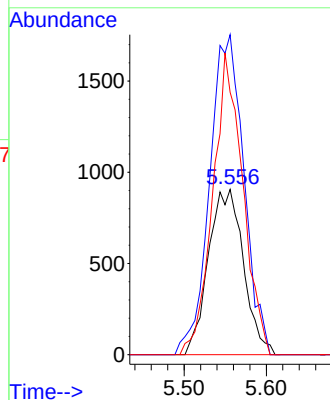
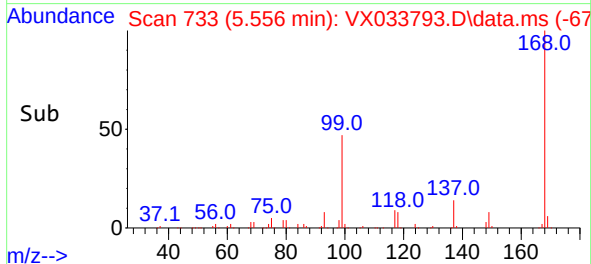


#31
Cyclohexane
Concen: 1.031 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Instrument :
MSVOA_X
ClientSampleId :

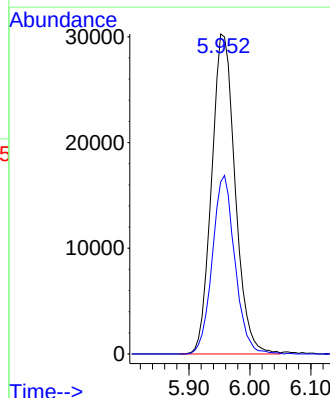
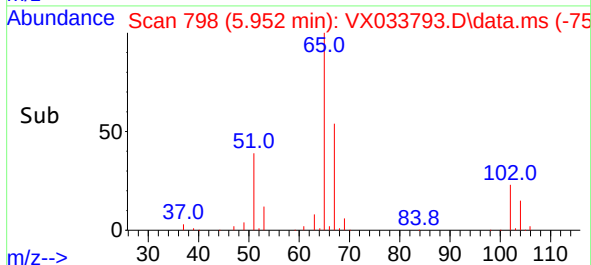
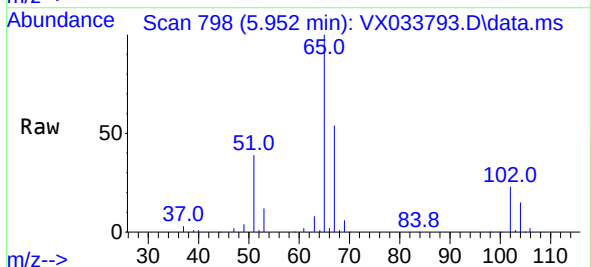


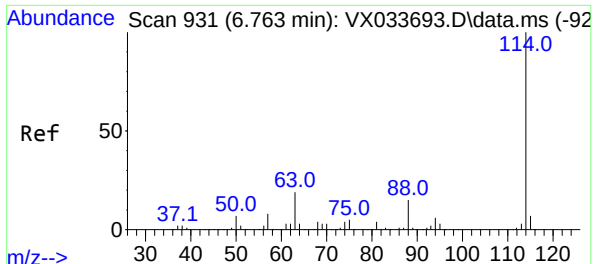
Tgt Ion: 56 Resp: 2686
Ion Ratio Lower Upper
56 100
69 193.6 24.6 37.0#
84 158.7 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.899 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Tgt Ion: 65 Resp: 81258
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8

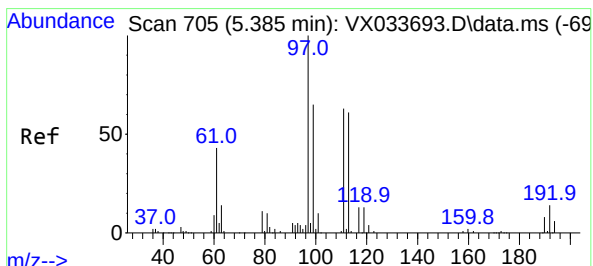
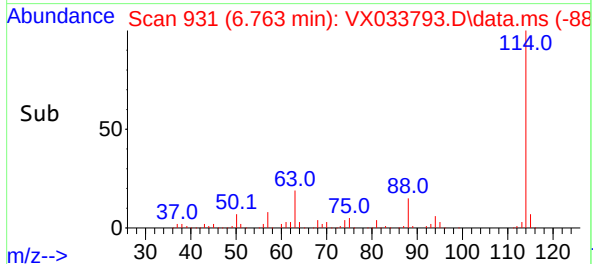
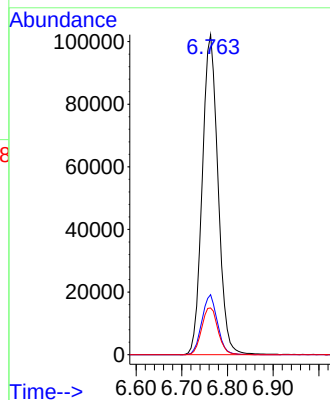
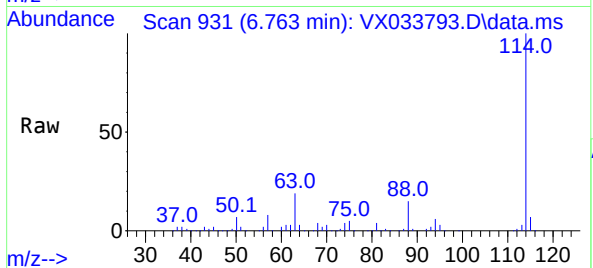




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

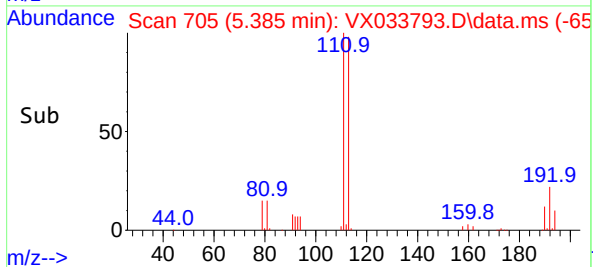
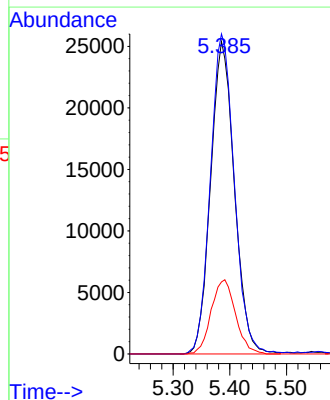
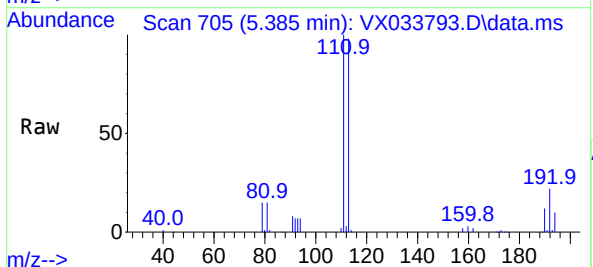
Instrument :
MSVOA_X
ClientSampleId :

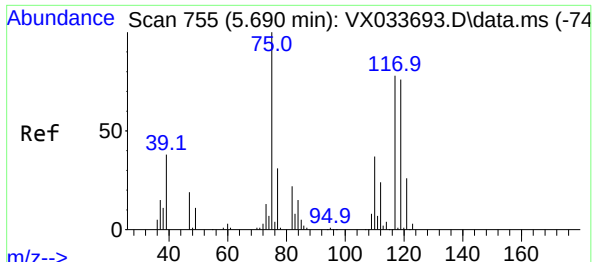
Tgt Ion:114 Resp: 244677
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.585 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Tgt Ion:113 Resp: 73816
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.6
192 24.4 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.541 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

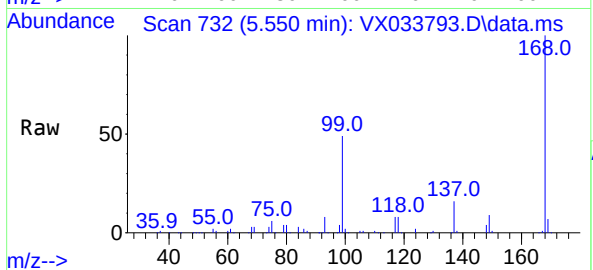
Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

Instrument :

MSVOA_X

ClientSampleId :



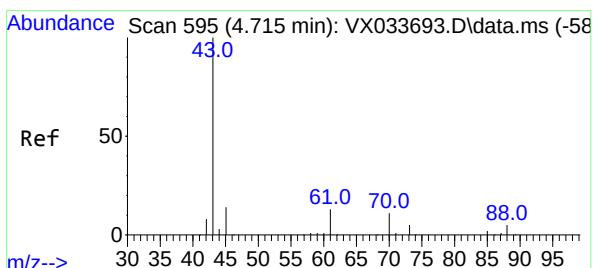
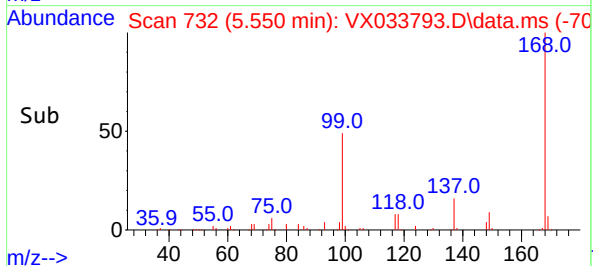
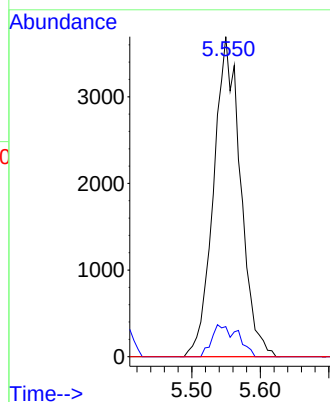
Tgt Ion: 75 Resp: 10069

Ion Ratio Lower Upper

75 100

110 9.7 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.986 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

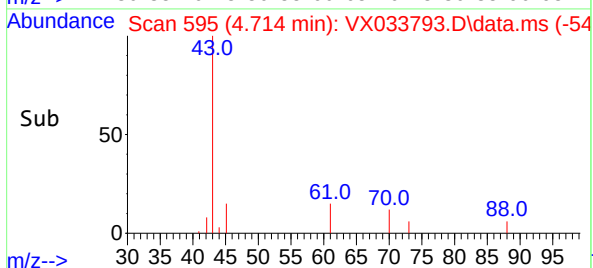
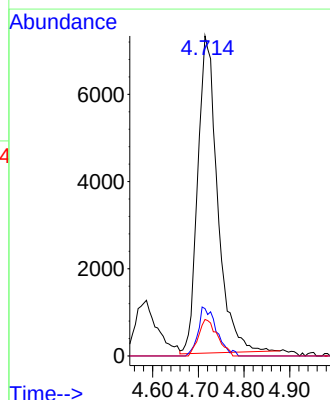
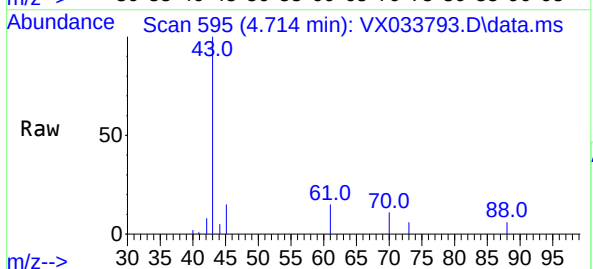
Tgt Ion: 43 Resp: 21978

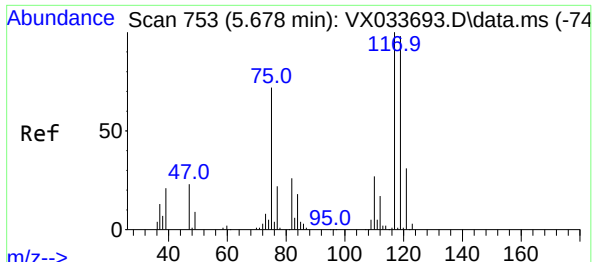
Ion Ratio Lower Upper

43 100

61 14.3 11.1 16.7

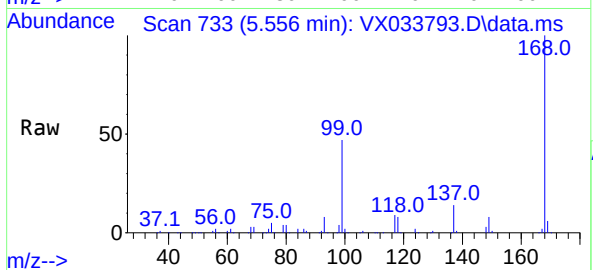
70 10.9 8.5 12.7



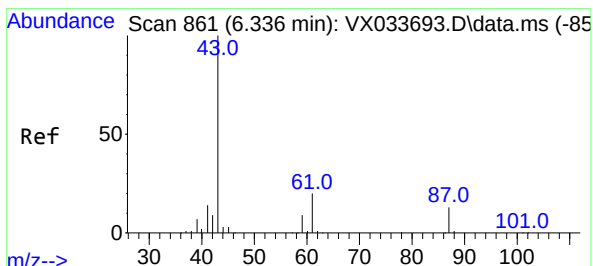
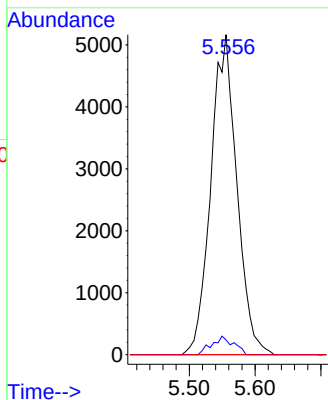
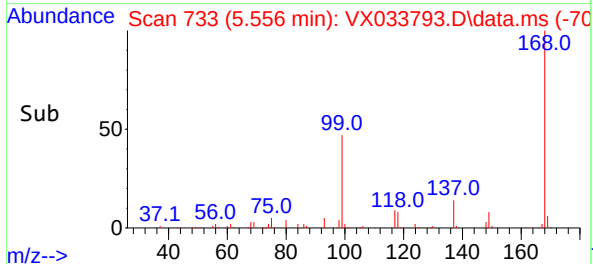


#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Instrument :
MSVOA_X
ClientSampleId :

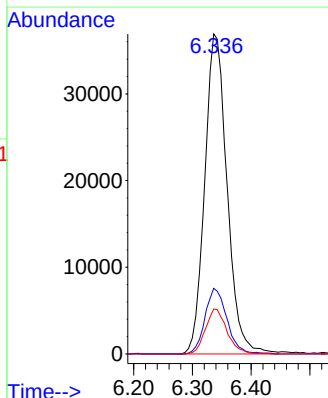
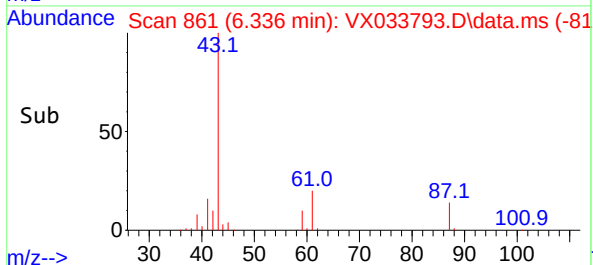
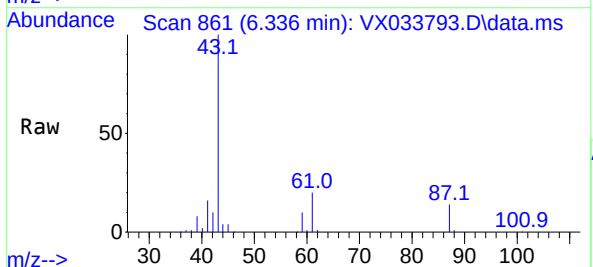


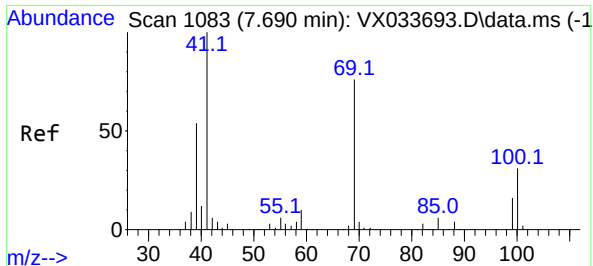
Tgt Ion:117 Resp: 14196
Ion Ratio Lower Upper
117 100
119 4.6 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 27.875 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Tgt Ion: 43 Resp: 97576
Ion Ratio Lower Upper
43 100
61 20.2 15.7 23.5
87 13.5 10.6 15.8





#48

Methyl methacrylate

Concen: 45.978 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX033793.D

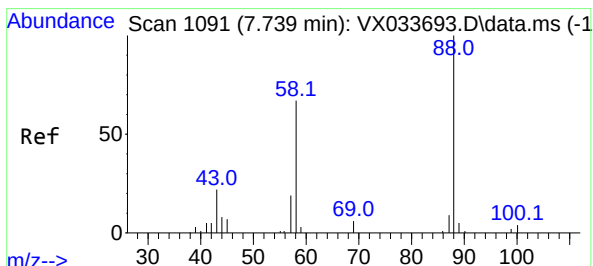
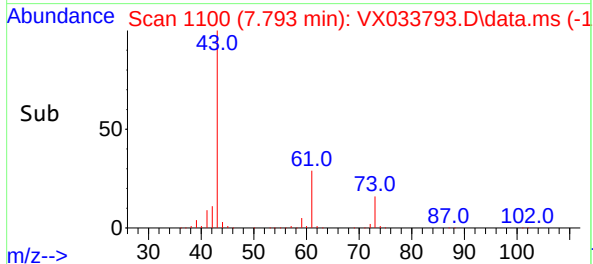
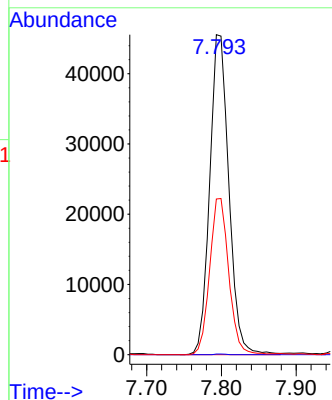
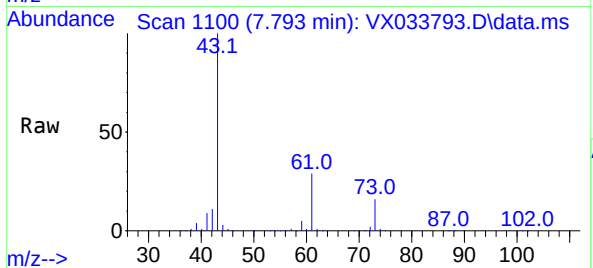
Acq: 19 Jan 2023 12:05

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	81076
Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.1	94.7#
39	48.7	43.2	64.8



#49

1,4-Dioxane

Concen: 1.846 ug/l

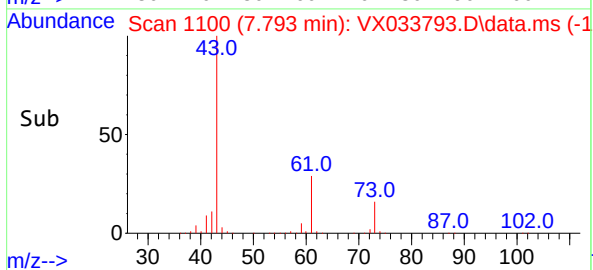
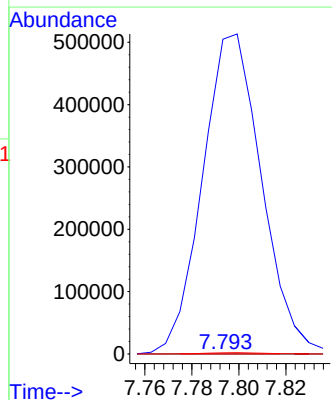
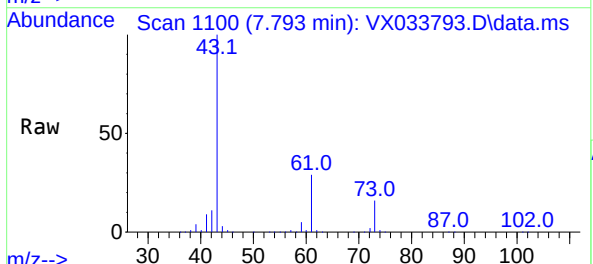
RT: 7.793 min Scan# 1100

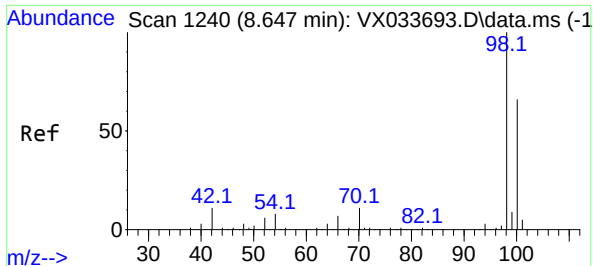
Delta R.T. 0.055 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

Tgt Ion:	88	Resp:	72
Ion	Ratio	Lower	Upper
88	100		
43	1259765.3	0.0	0.0#
58	5038.9	56.5	84.7#

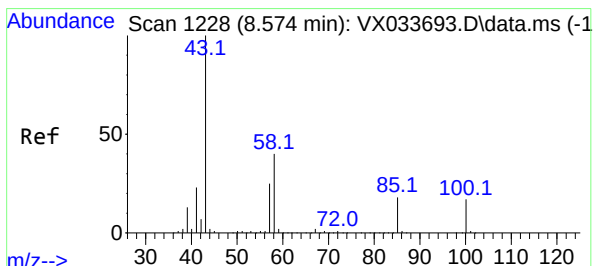
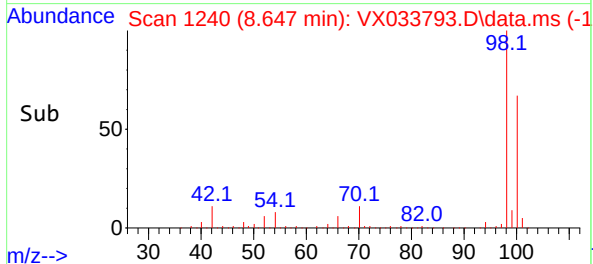
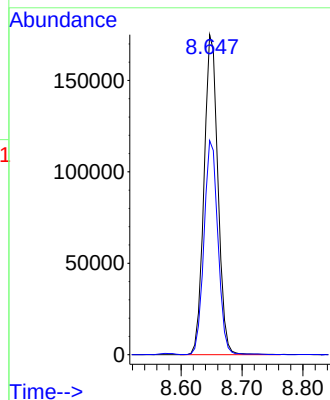
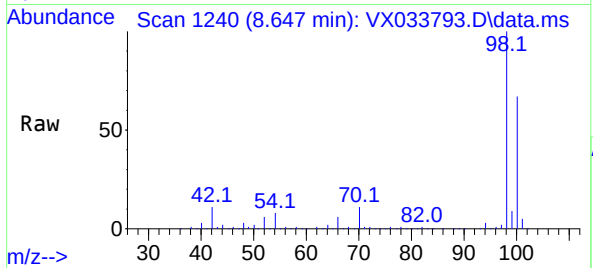




#50
Toluene-d8
Concen: 50.067 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

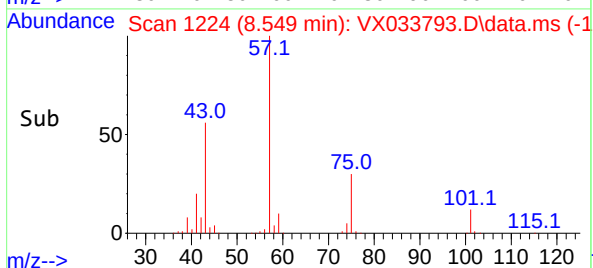
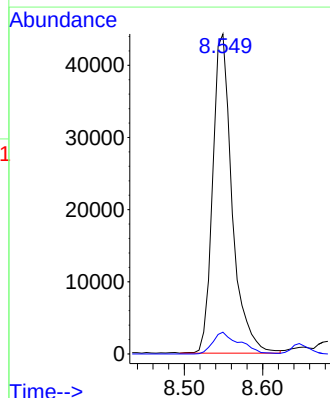
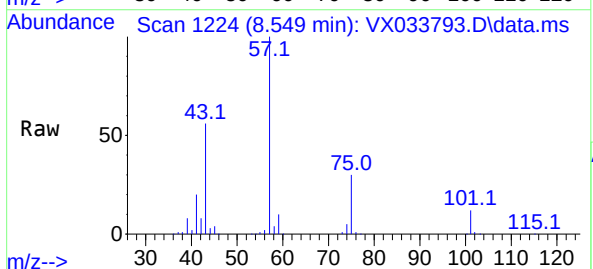
Instrument :
MSVOA_X
ClientSampleId :

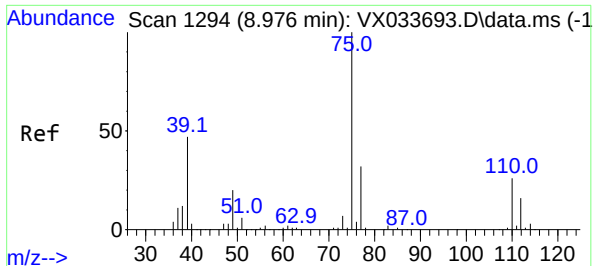
Tgt Ion: 98 Resp: 277156
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 35.405 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Tgt Ion: 43 Resp: 76115
Ion Ratio Lower Upper
43 100
58 9.4 31.2 46.8#





#53

t-1,3-Dichloropropene

Concen: 0.342 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

Instrument :

MSVOA_X

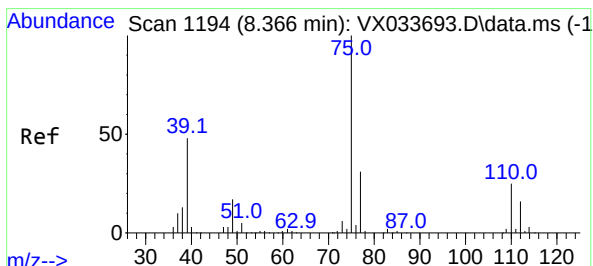
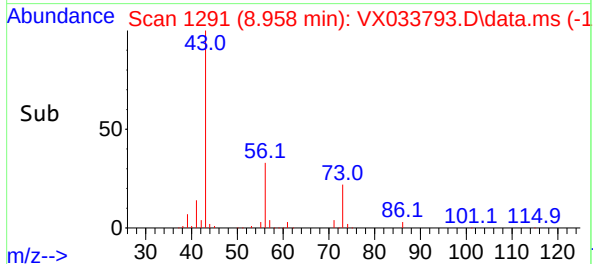
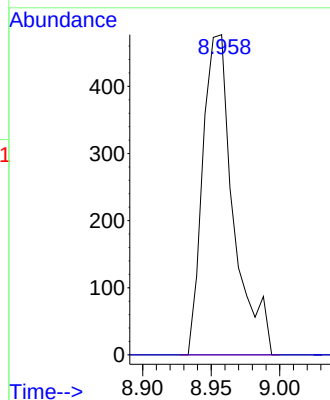
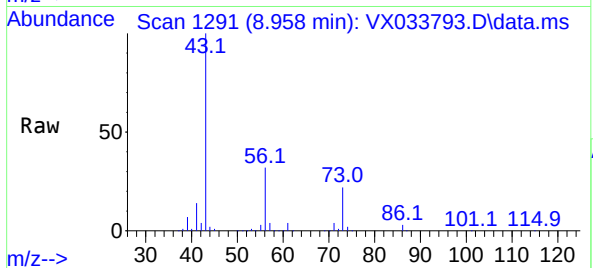
ClientSampleId :

Tgt Ion: 75 Resp: 745

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#



#54

cis-1,3-Dichloropropene

Concen: 14.937 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

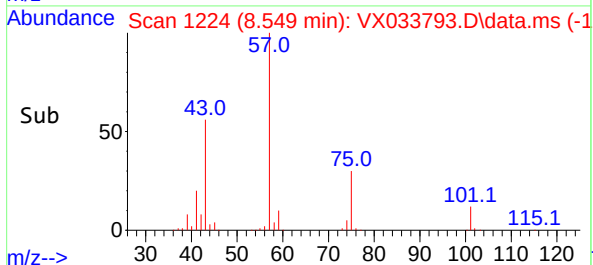
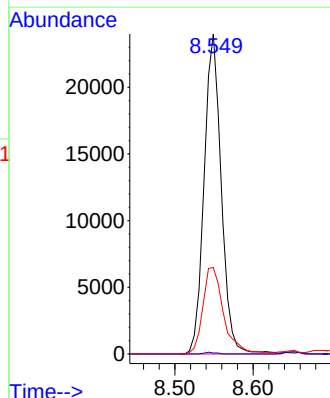
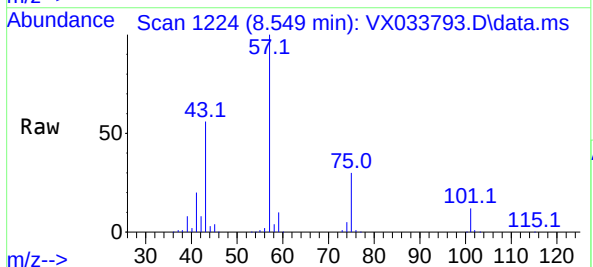
Tgt Ion: 75 Resp: 36478

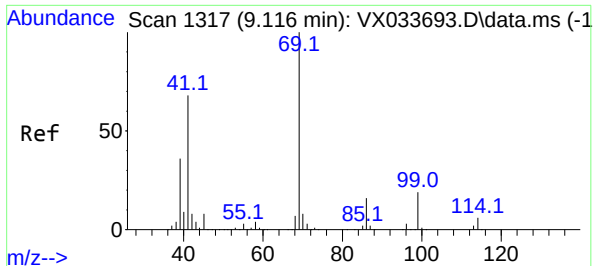
Ion Ratio Lower Upper

75 100

77 0.3 25.0 37.6#

39 27.0 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.246 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

Instrument :

MSVOA_X

ClientSampleId :

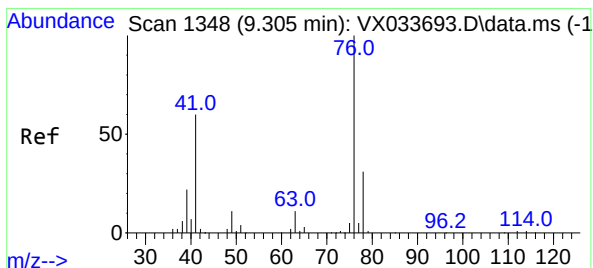
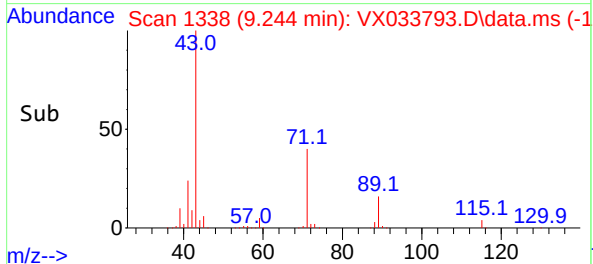
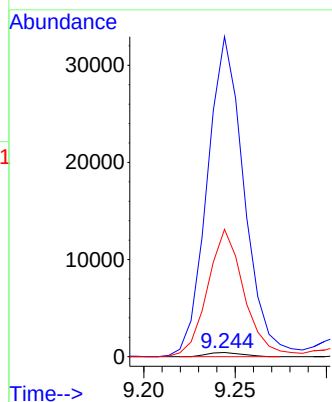
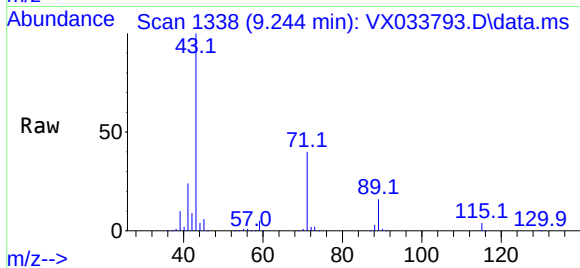
Tgt Ion: 69 Resp: 572

Ion Ratio Lower Upper

69 100

41 8149.8 55.1 82.7#

39 3214.7 28.5 42.7#



#57

1,3-Dichloropropane

Concen: 1.676 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033793.D

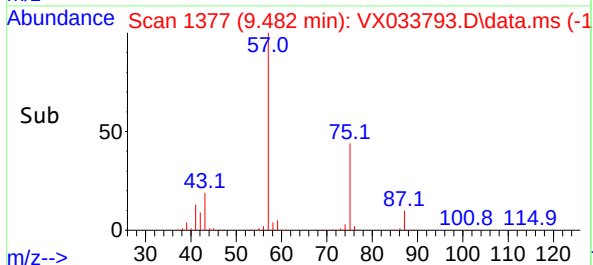
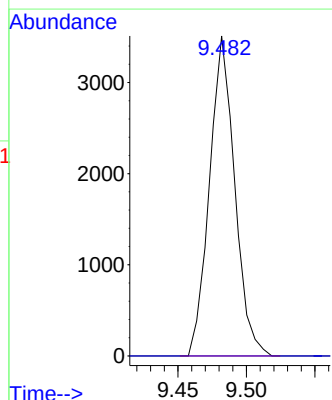
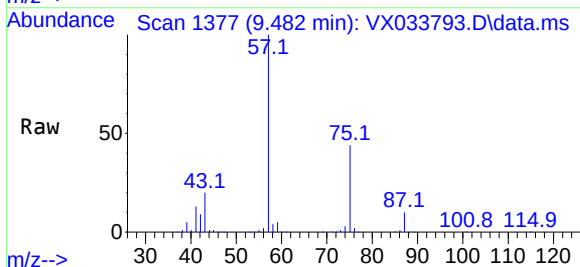
Acq: 19 Jan 2023 12:05

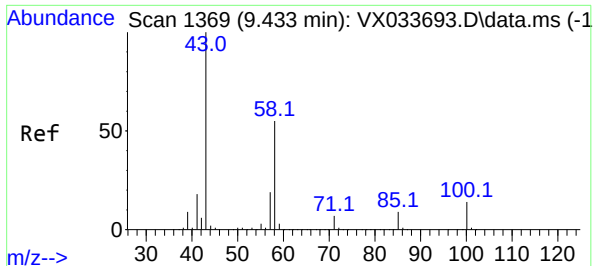
Tgt Ion: 76 Resp: 4491

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 41.198 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

Instrument :

MSVOA_X

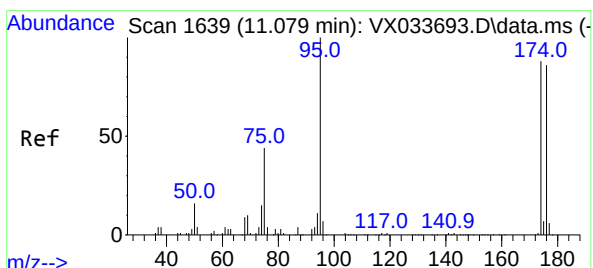
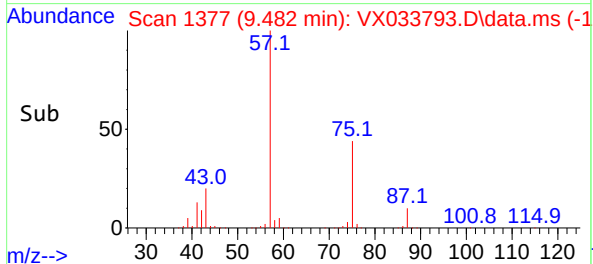
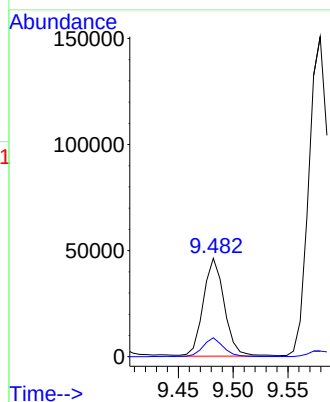
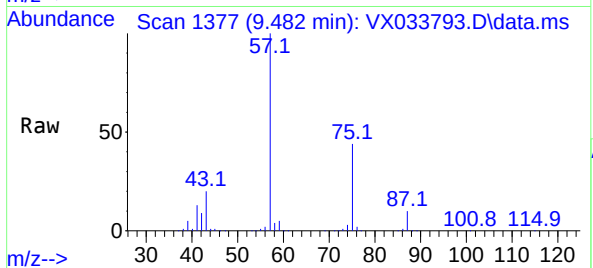
ClientSampleId :

Tgt Ion: 43 Resp: 61646

Ion Ratio Lower Upper

43 100

58 19.1 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 47.390 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033793.D

Acq: 19 Jan 2023 12:05

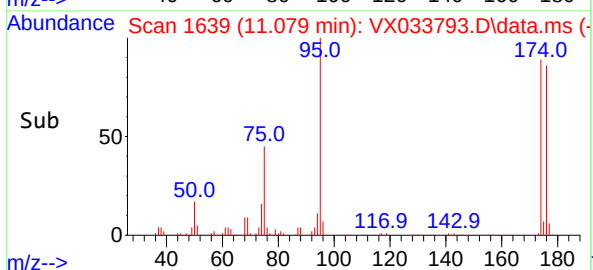
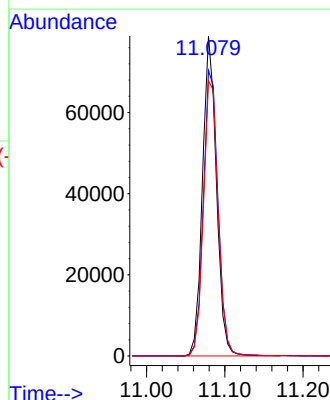
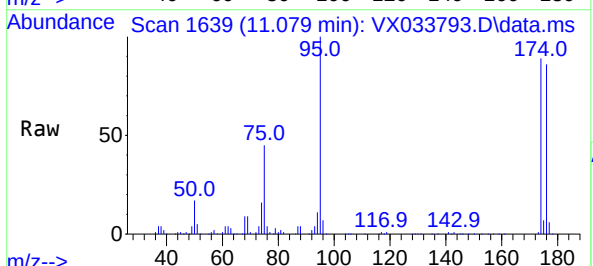
Tgt Ion: 95 Resp: 97399

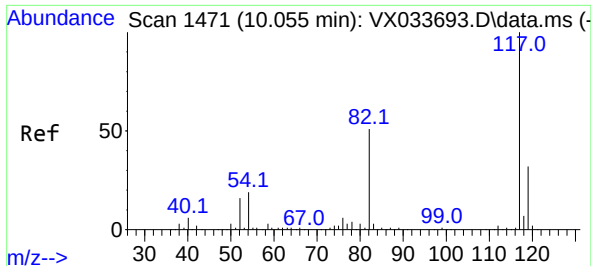
Ion Ratio Lower Upper

95 100

174 94.3 0.0 184.4

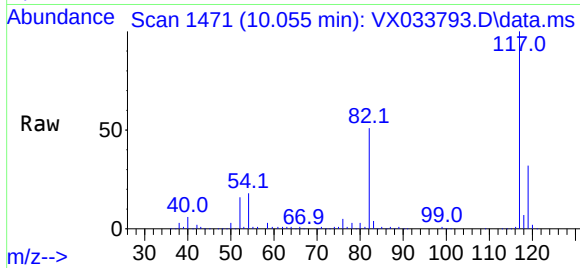
176 90.7 0.0 178.8



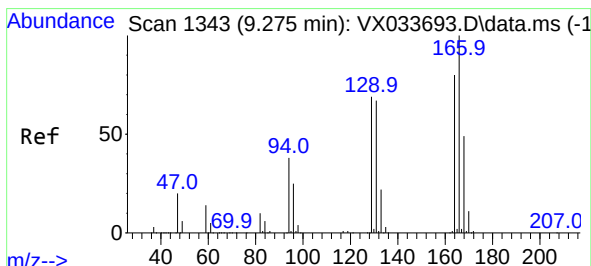
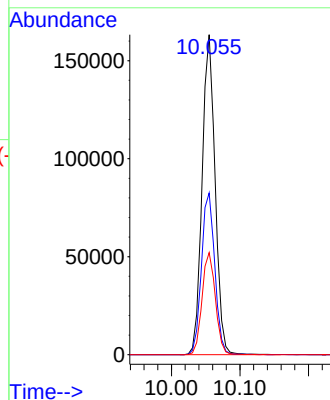
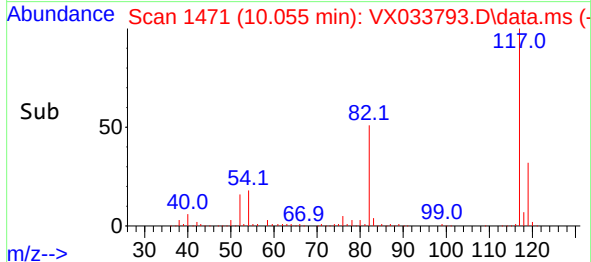


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Instrument :
MSVOA_X
ClientSampleId :

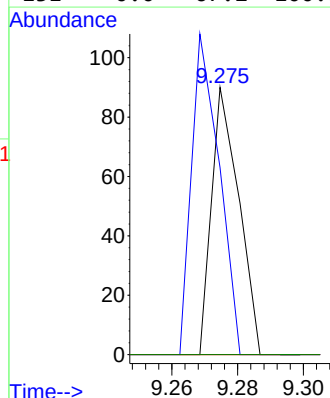
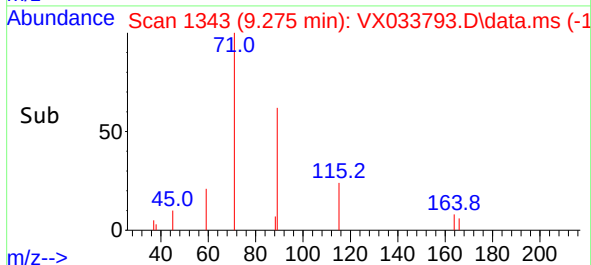
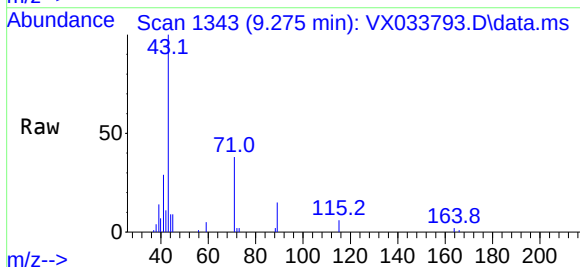


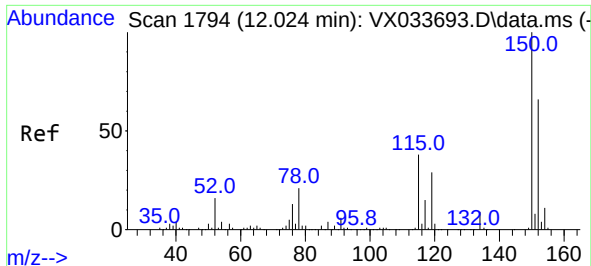
Tgt Ion:117 Resp: 216131
Ion Ratio Lower Upper
117 100
82 50.6 40.6 60.8
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Tgt Ion:164 Resp: 52
Ion Ratio Lower Upper
164 100
166 70.0 100.2 150.2#
129 0.0 69.2 103.8#
131 0.0 67.2 100.8#

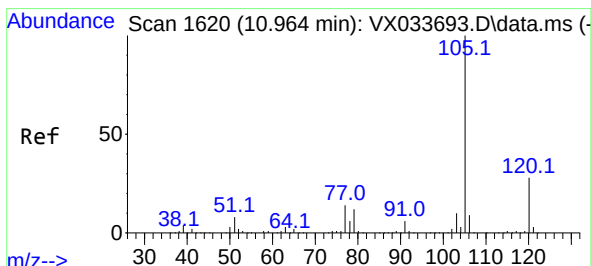
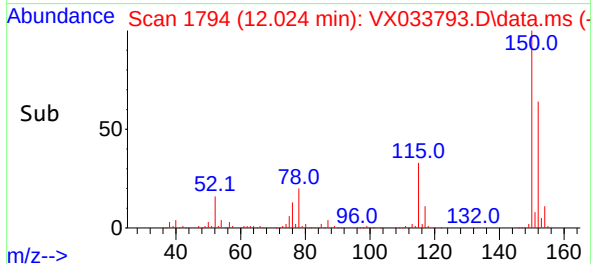
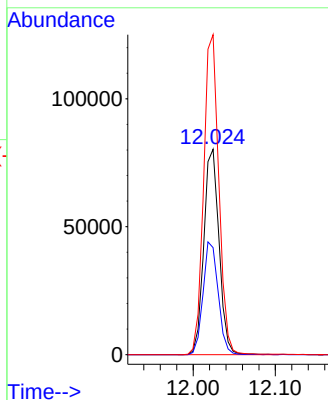
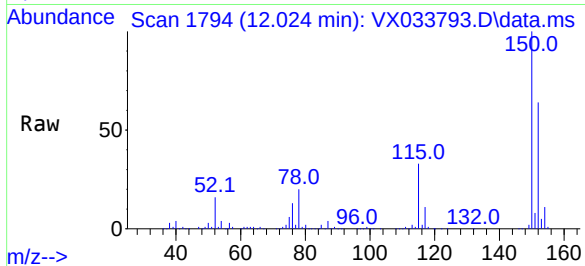




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

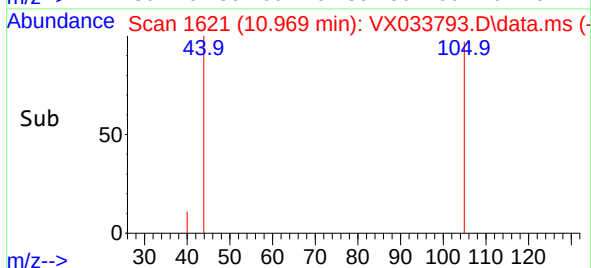
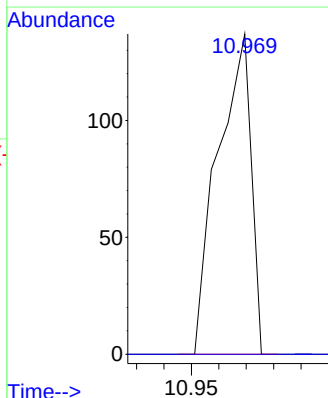
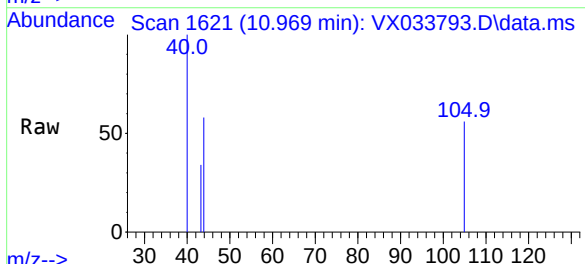
Instrument :
MSVOA_X
ClientSampleId :

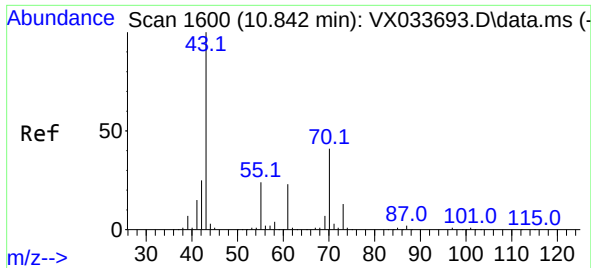
Tgt Ion:152 Resp: 103518
Ion Ratio Lower Upper
152 100
115 54.5 38.7 116.1
150 155.0 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.969 min Scan# 1621
Delta R.T. 0.005 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

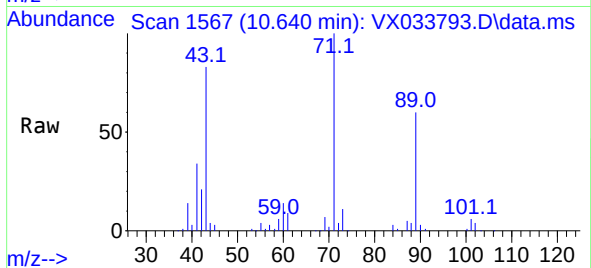
Tgt Ion:105 Resp: 115
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



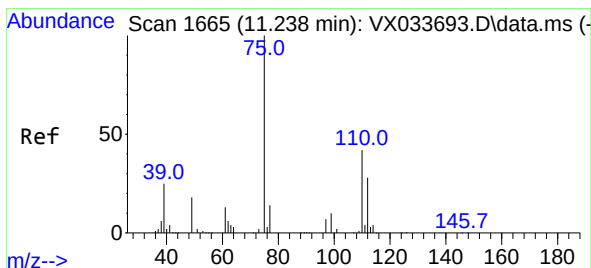
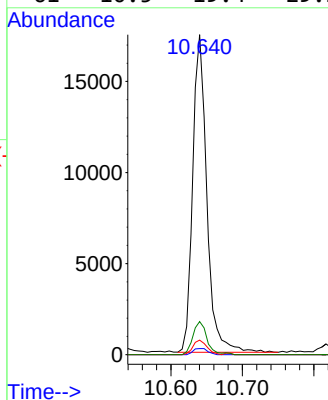
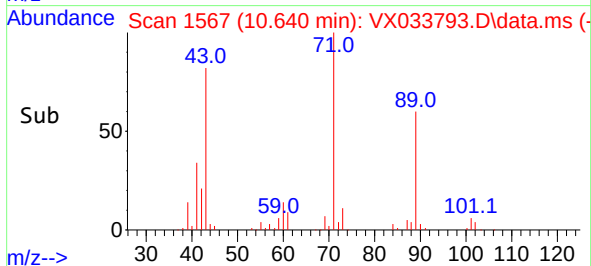


#74
N-amy1 acetate
Concen: 8.805 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Instrument :
MSVOA_X
ClientSampleId :

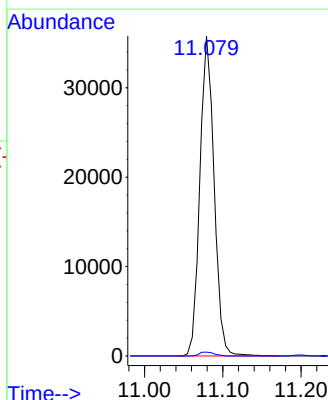
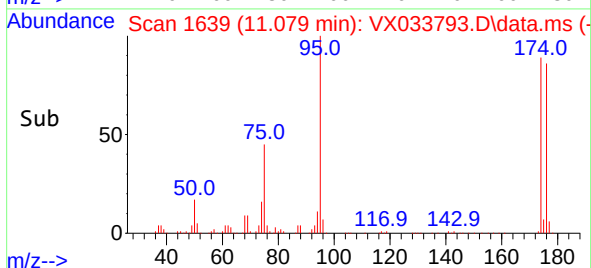
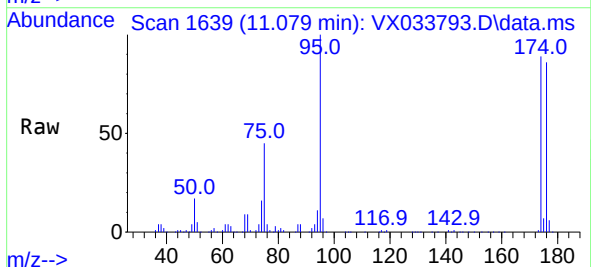


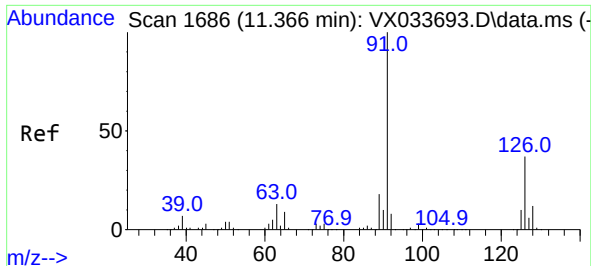
Tgt Ion: 43 Resp: 23935
Ion Ratio Lower Upper
43 100
70 2.0 34.8 52.2#
55 4.5 19.4 29.0#
61 10.5 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 23.724 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

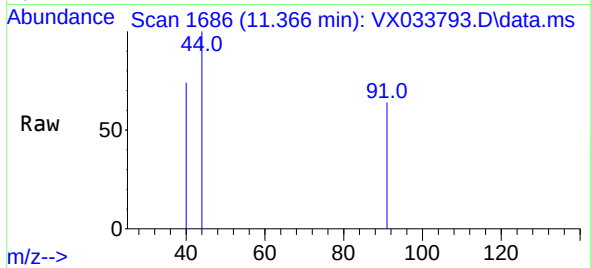
Tgt Ion: 75 Resp: 45123
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#



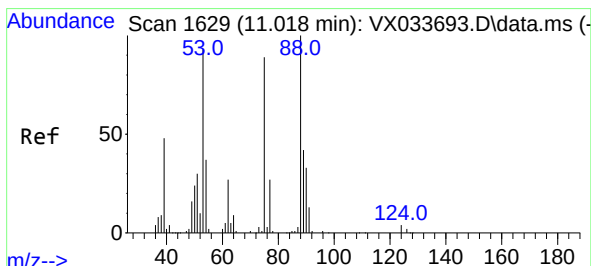
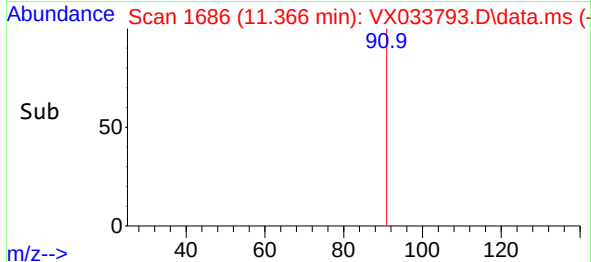
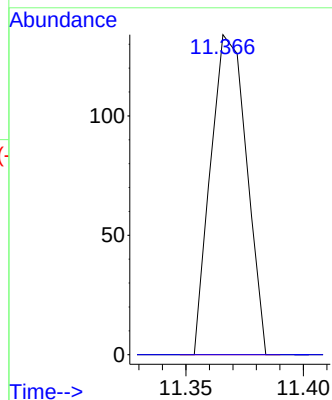


#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Instrument : MSVOA_X
ClientSampleId :

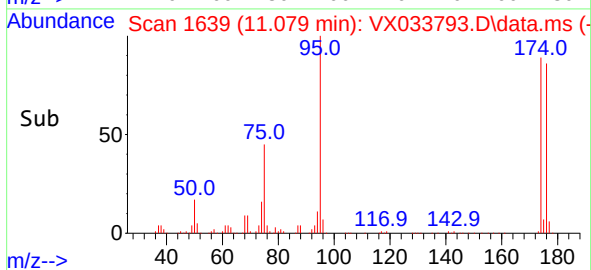
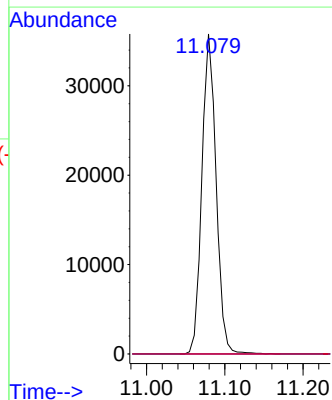
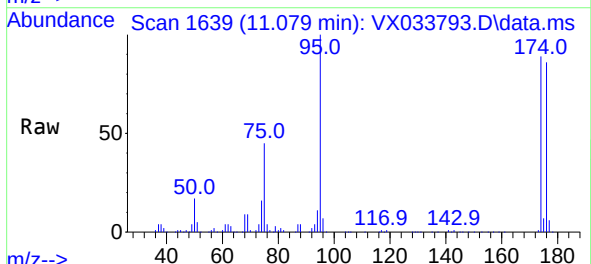


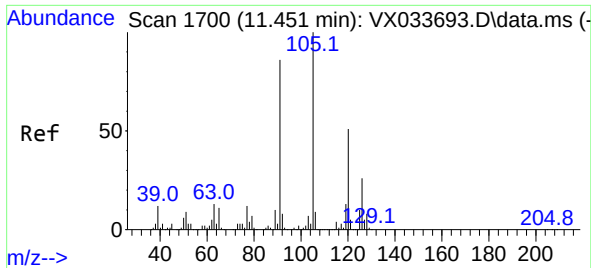
Tgt Ion: 91 Resp: 142
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.732 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

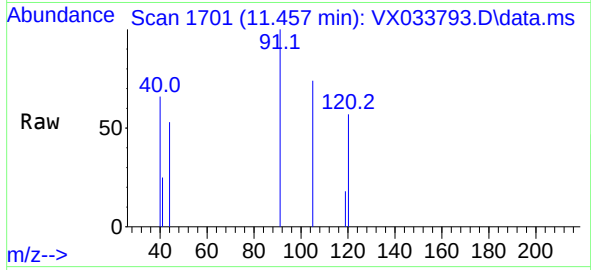
Tgt Ion: 75 Resp: 45123
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033793.D
Acq: 19 Jan 2023 12:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 91 Resp: 243
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

