

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052223\  
 Data File : VX035791.D  
 Acq On : 22 May 2023 17:45  
 Operator : JC/MD  
 Sample : 02860-11 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-DUP-03-05162023

Quant Time: May 23 06:14:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

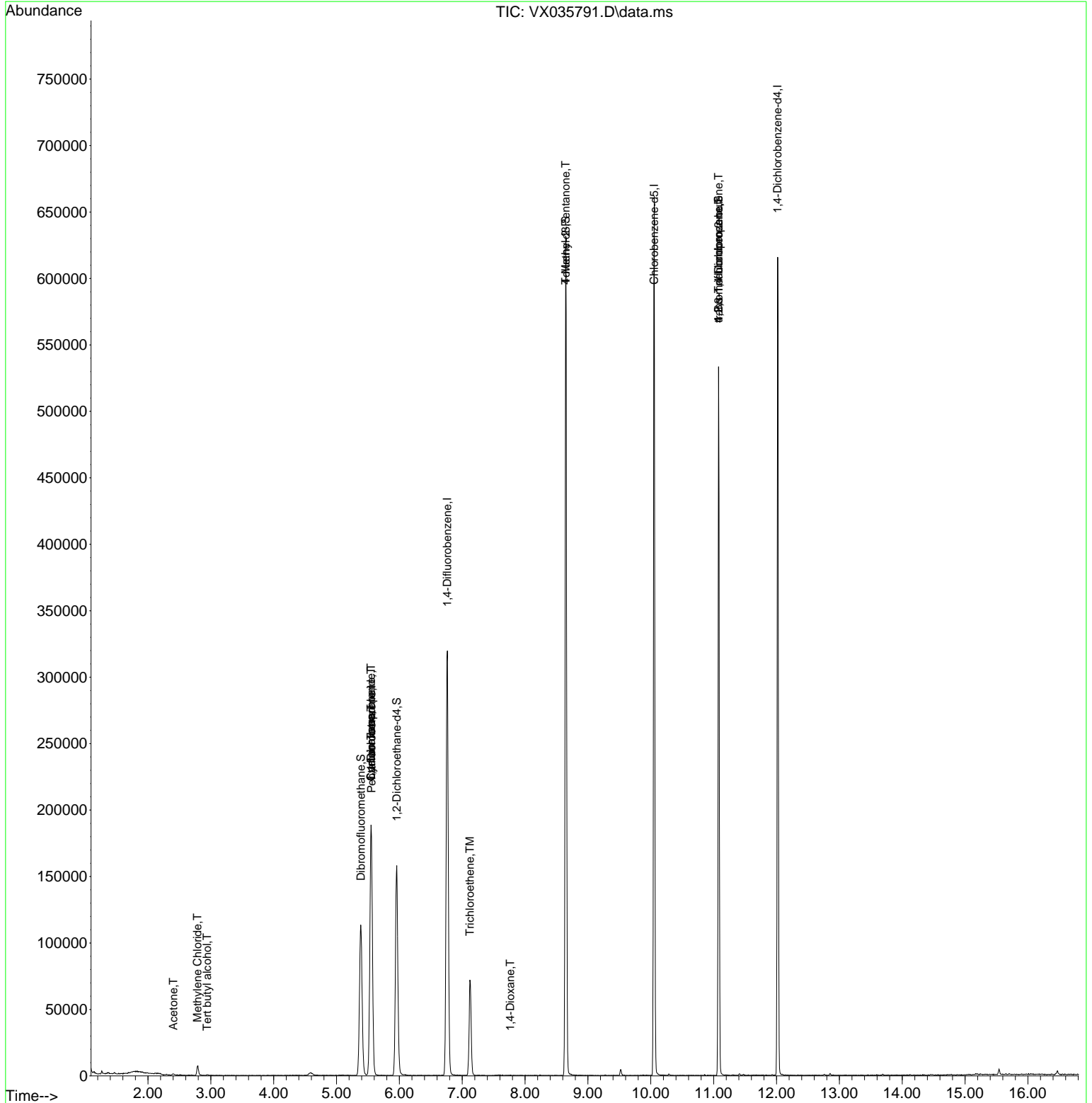
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.556	168	159047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	301515	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156834	56.524	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.040%
35) Dibromofluoromethane	5.385	113	99251	48.810	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.620%
50) Toluene-d8	8.647	98	350265	46.628	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.260%
62) 4-Bromofluorobenzene	11.079	95	138467	45.780	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	359	0.733	ug/l #	73
16) Acetone	2.404	43	1548	1.298	ug/l	93
20) Methylene Chloride	2.788	84	3637	1.683	ug/l #	75
31) Cyclohexane	5.550	56	4478	1.277	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	16023	4.992	ug/l #	51
38) Carbon Tetrachloride	5.550	117	18518	6.091	ug/l #	16
44) Trichloroethene	7.123	130	26268	11.538	ug/l	93
49) 1,4-Dioxane	7.763	88	74	3.158	ug/l #	68
51) 4-Methyl-2-Pentanone	8.647	43	2096	0.623	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	77005	27.909	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	77005	89.948	ug/l #	8
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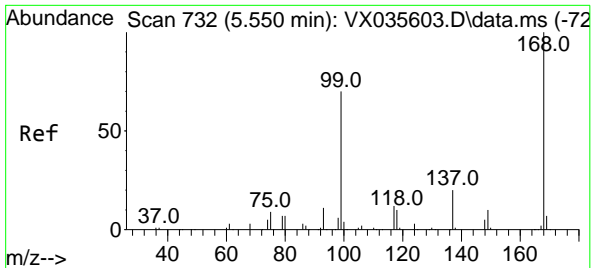
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 FSND-DUP-03-05162023

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
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 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

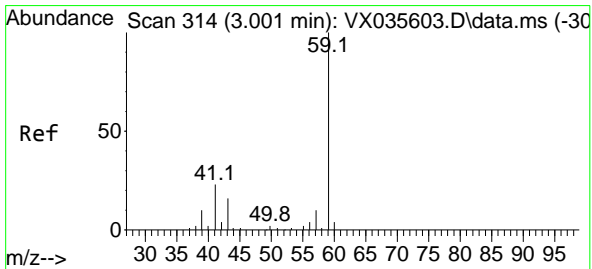
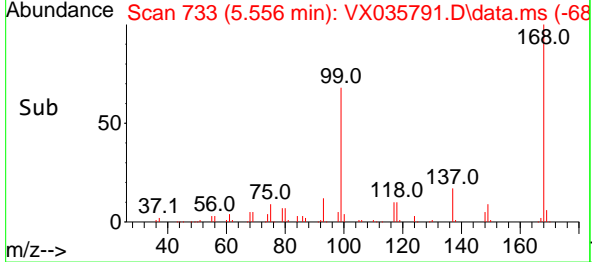
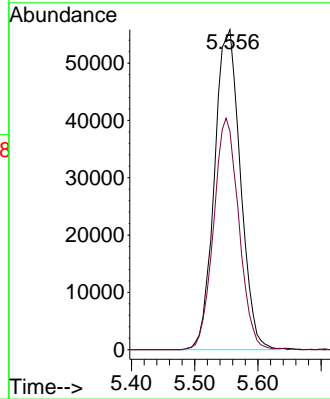
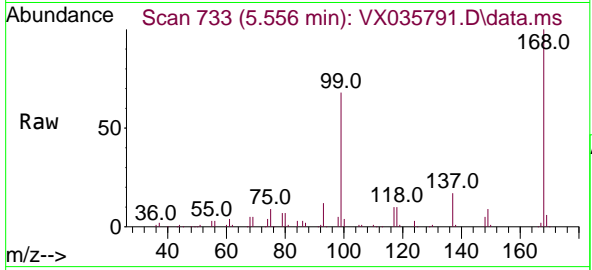




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.556 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

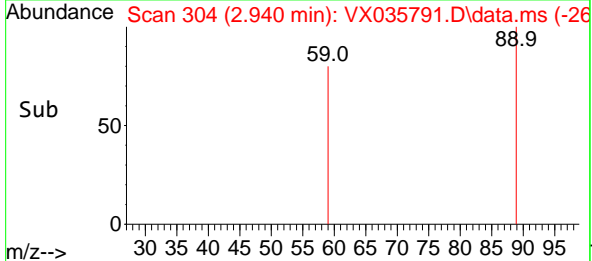
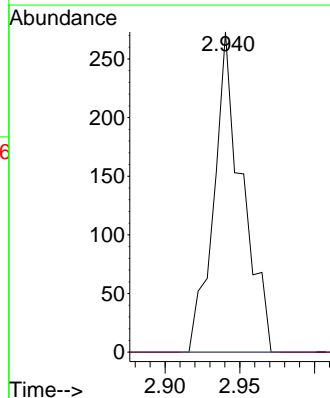
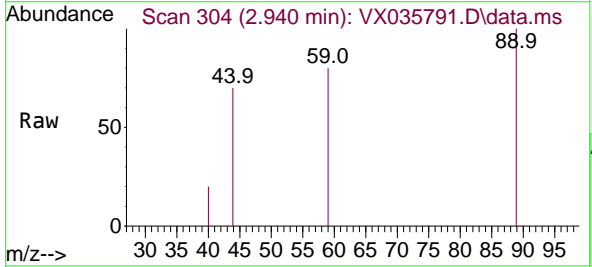
Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

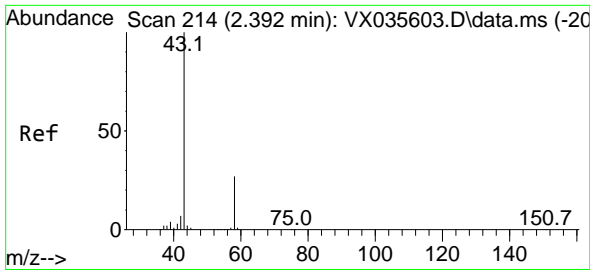
Tgt Ion:168 Resp: 159047  
 Ion Ratio Lower Upper  
 168 100  
 99 68.1 45.7 68.5



#11  
 Tert butyl alcohol  
 Concen: 0.733 ug/l  
 RT: 2.940 min Scan# 304  
 Delta R.T. -0.061 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Tgt Ion: 59 Resp: 359  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.1 12.1#

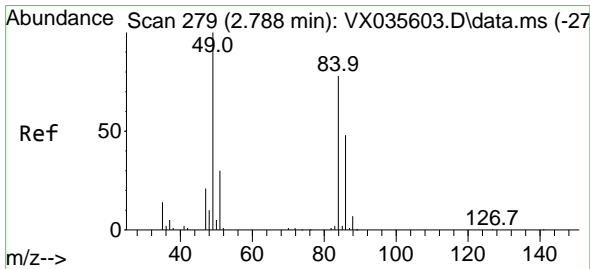
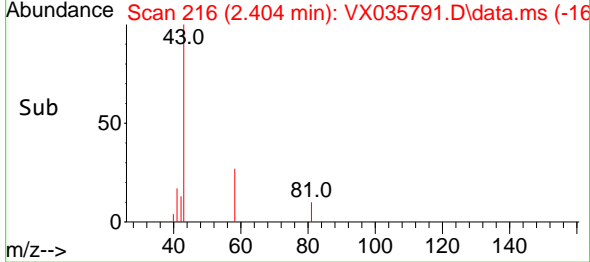
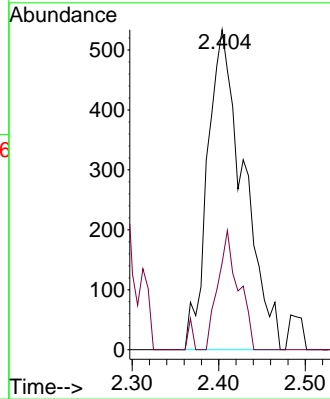
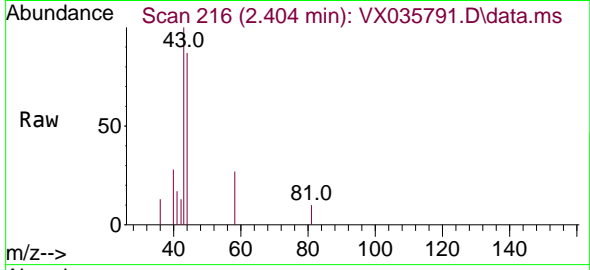




#16  
 Acetone  
 Concen: 1.298 ug/l  
 RT: 2.404 min Scan# 216  
 Delta R.T. 0.012 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

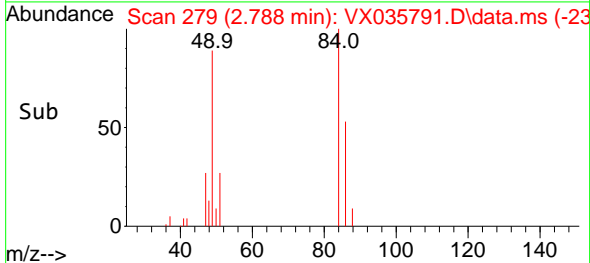
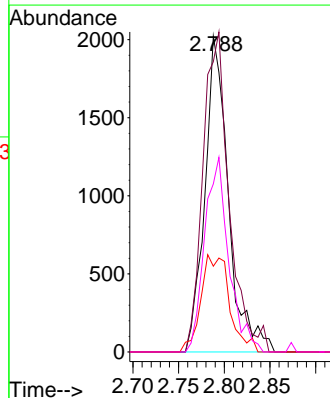
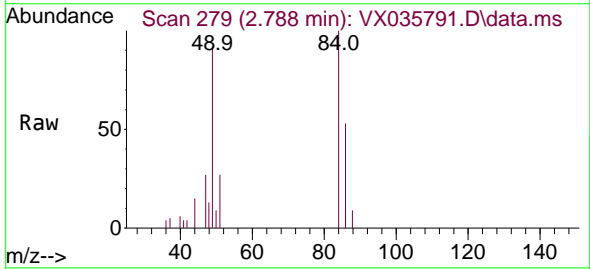
Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

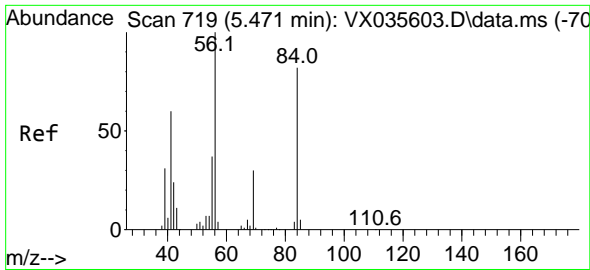
Tgt Ion: 43 Resp: 1548  
 Ion Ratio Lower Upper  
 43 100  
 58 27.2 24.7 37.1



#20  
 Methylene Chloride  
 Concen: 1.683 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. 0.000 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Tgt Ion: 84 Resp: 3637  
 Ion Ratio Lower Upper  
 84 100  
 49 91.9 103.8 155.8#  
 51 27.2 31.8 47.8#  
 86 53.2 51.4 77.2

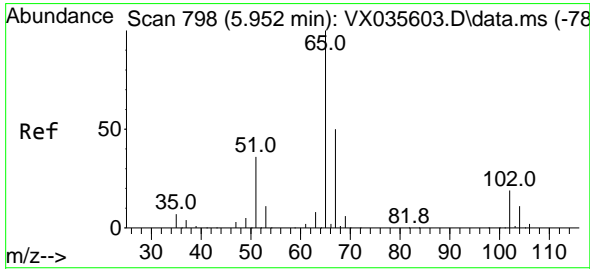
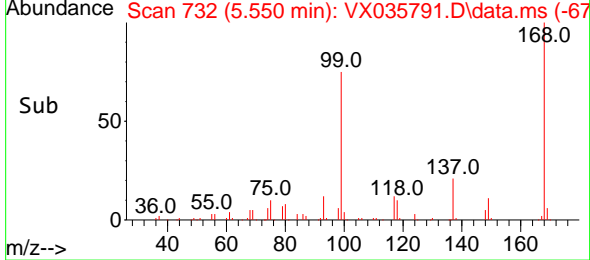
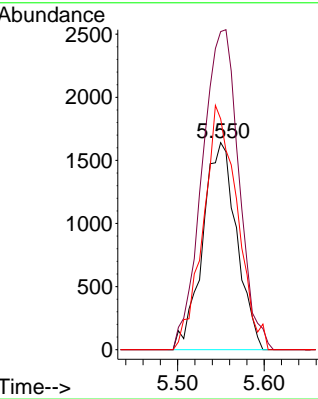
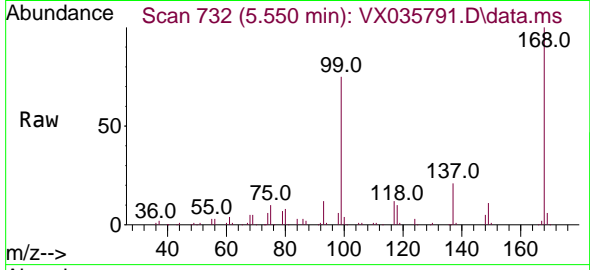




#31  
 Cyclohexane  
 Concen: 1.277 ug/l  
 RT: 5.550 min Scan# 719  
 Delta R.T. 0.079 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

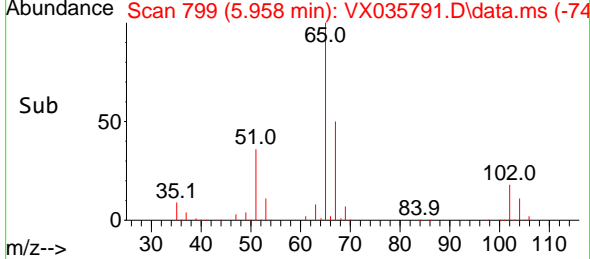
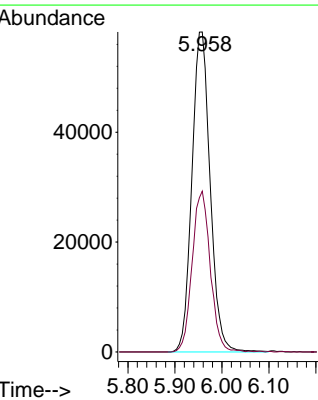
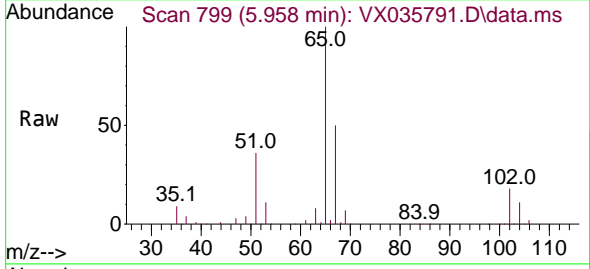
Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

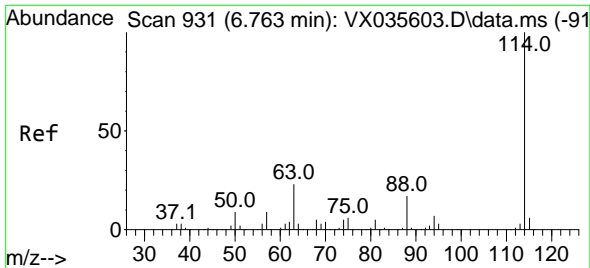
Tgt Ion: 56 Resp: 4478  
 Ion Ratio Lower Upper  
 56 100  
 69 153.6 23.7 35.5#  
 84 111.5 68.5 102.7#



#33  
 1,2-Dichloroethane-d4  
 Concen: 56.524 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.006 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Tgt Ion: 65 Resp: 156834  
 Ion Ratio Lower Upper  
 65 100  
 67 50.0 0.0 104.0



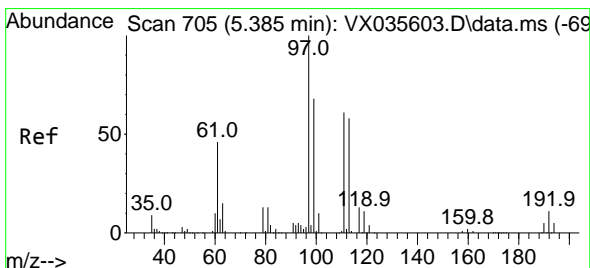
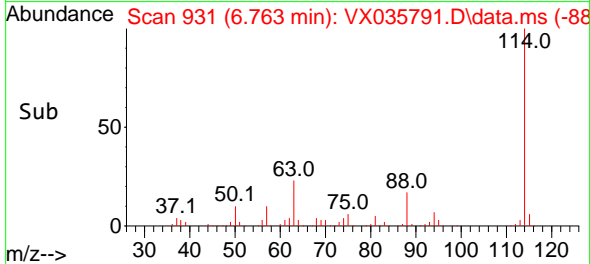
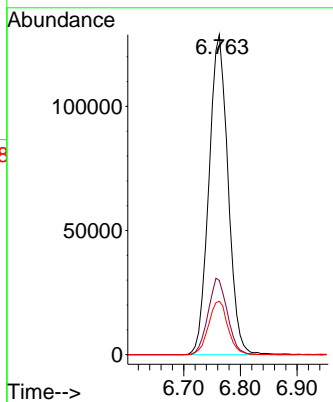
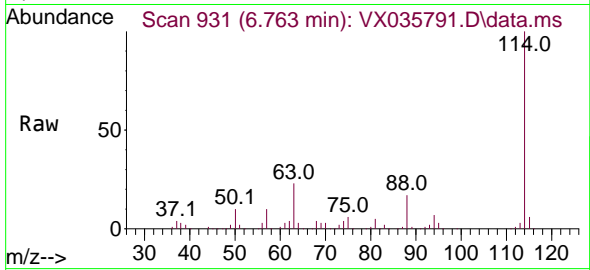


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

Tgt Ion:114 Resp: 301515

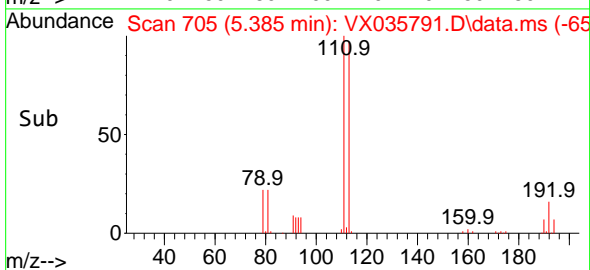
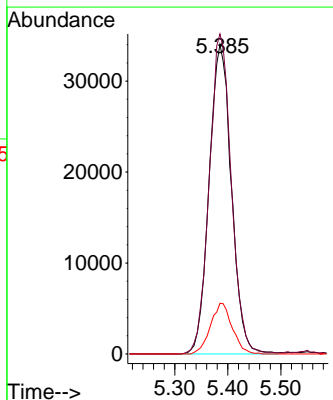
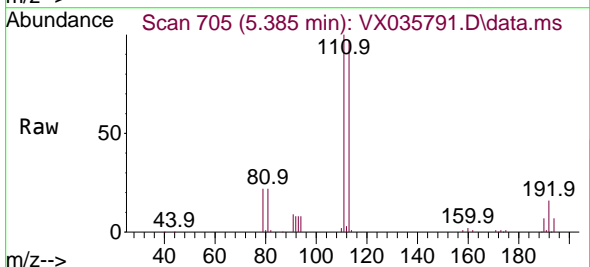
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	42.2
88	16.7	0.0	33.2

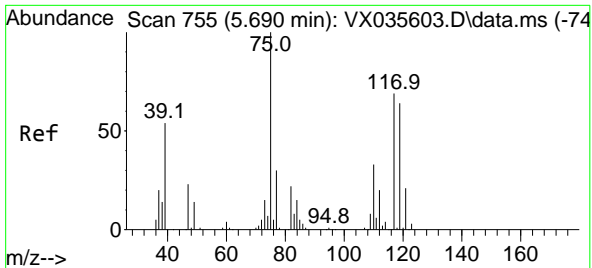


#35  
 Dibromofluoromethane  
 Concen: 48.810 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Tgt Ion:113 Resp: 99251

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.7	125.5
192	16.0	15.4	23.2

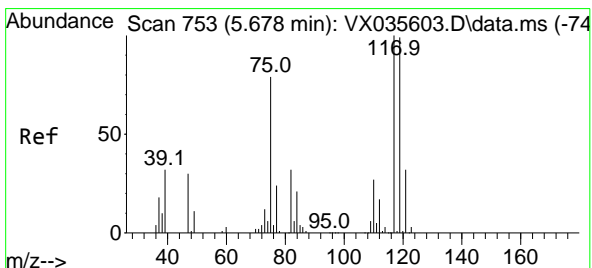
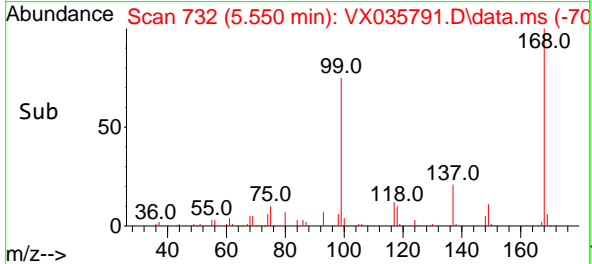
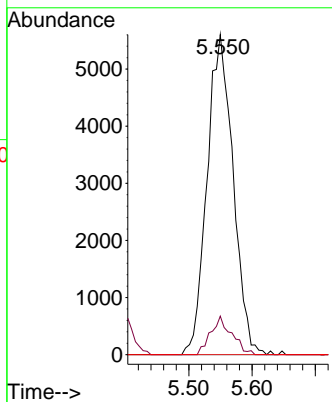
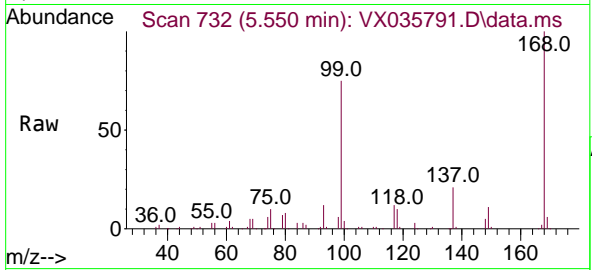




#36  
 1,1-Dichloropropene  
 Concen: 4.992 ug/l  
 RT: 5.550 min Scan# 711  
 Delta R.T. -0.140 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

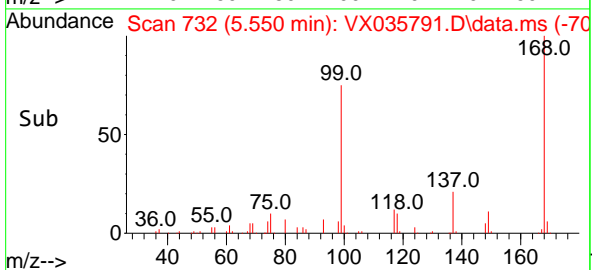
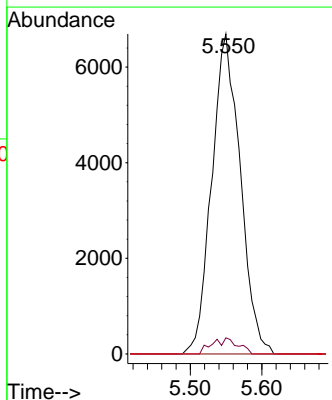
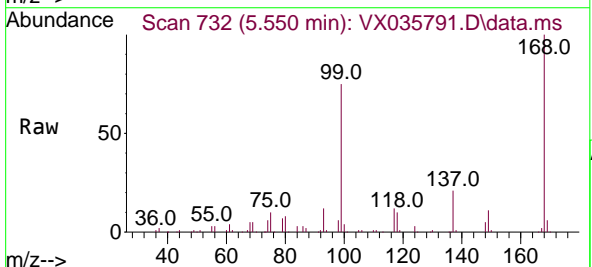
Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

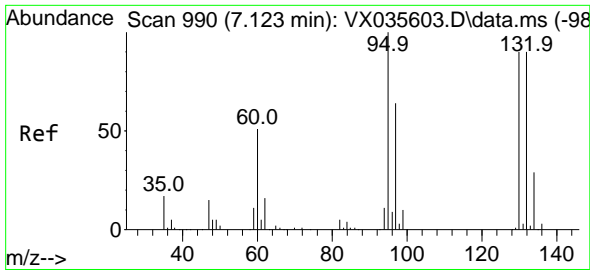
Tgt Ion	Resp	Lower	Upper
75	16023		
75	100		
110	9.7	17.5	52.5#
77	0.0	24.3	36.5#



#38  
 Carbon Tetrachloride  
 Concen: 6.091 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.128 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

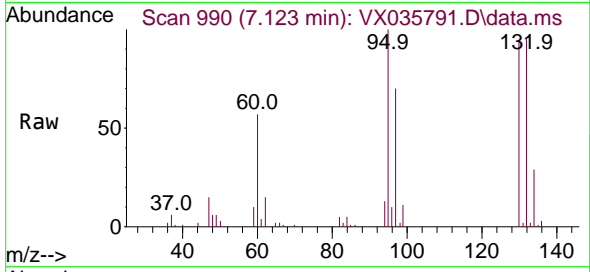
Tgt Ion	Resp	Lower	Upper
117	18518		
117	100		
119	5.1	76.6	114.8#
121	0.0	23.8	35.6#



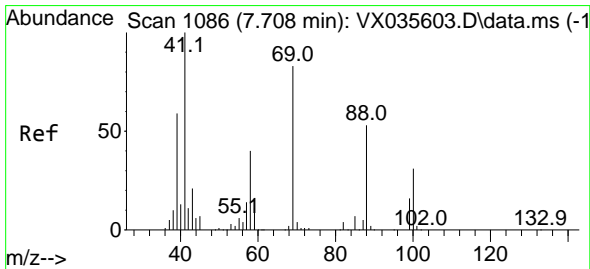
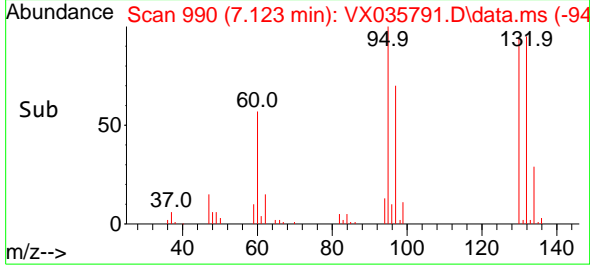
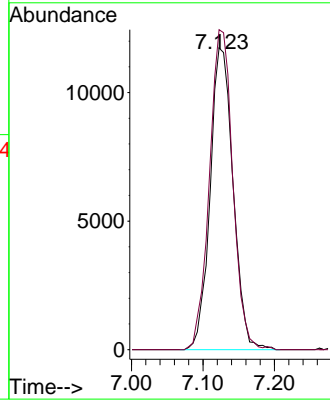


#44  
 Trichloroethene  
 Concen: 11.538 ug/l  
 RT: 7.123 min Scan# 990  
 Delta R.T. -0.000 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

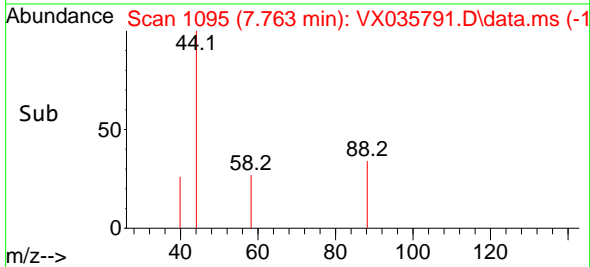
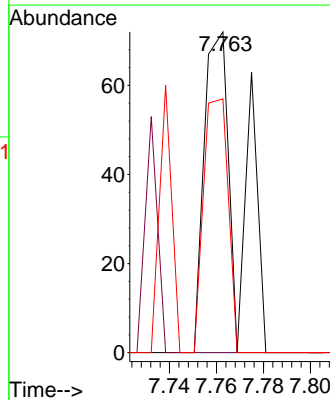
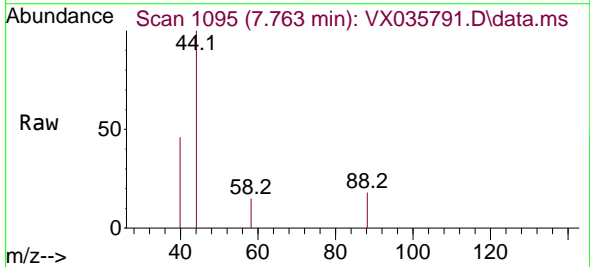


Tgt Ion:130 Resp: 26268  
 Ion Ratio Lower Upper  
 130 100  
 95 106.1 0.0 198.4

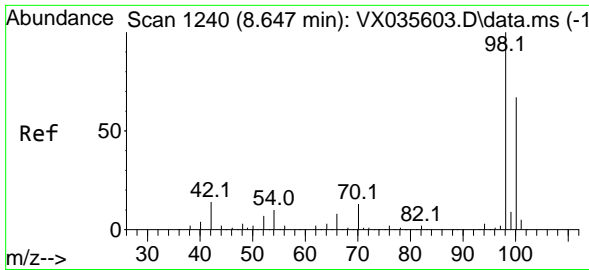


#49  
 1,4-Dioxane  
 Concen: 3.158 ug/l  
 RT: 7.763 min Scan# 1095  
 Delta R.T. 0.055 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Tgt Ion: 88 Resp: 74  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 27.7 41.5#  
 58 55.4 56.8 85.2#



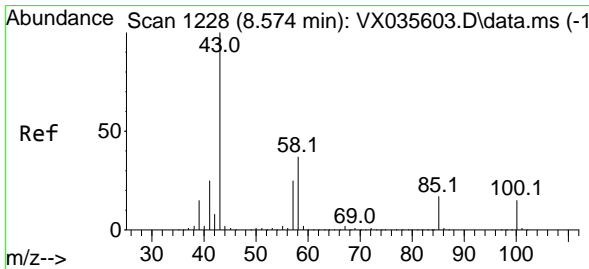
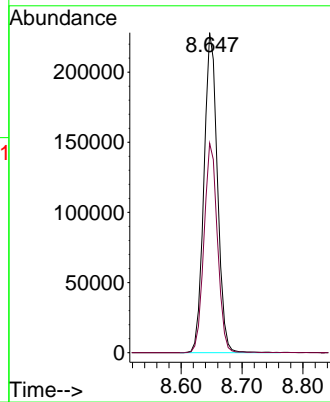
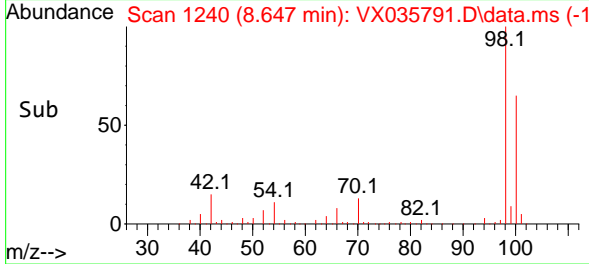
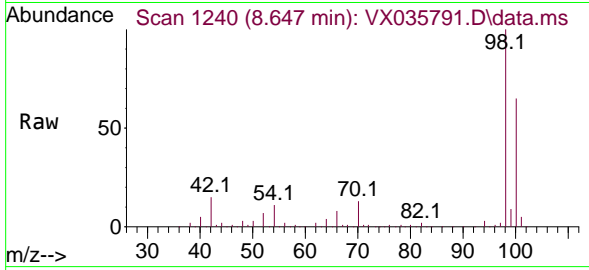




#50  
 Toluene-d8  
 Concen: 46.628 ug/l  
 RT: 8.647 min Scan# 1240  
 Delta R.T. -0.000 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

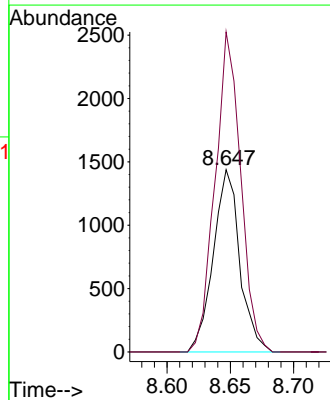
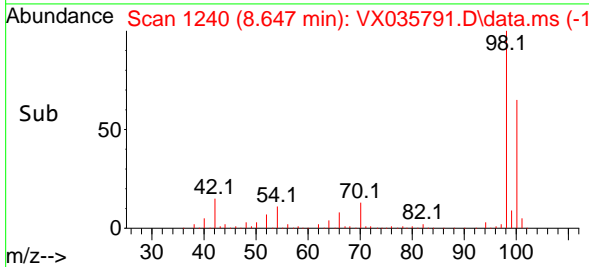
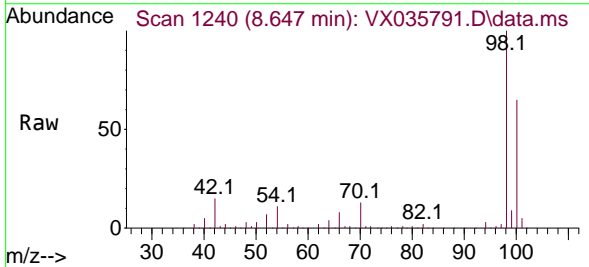
Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

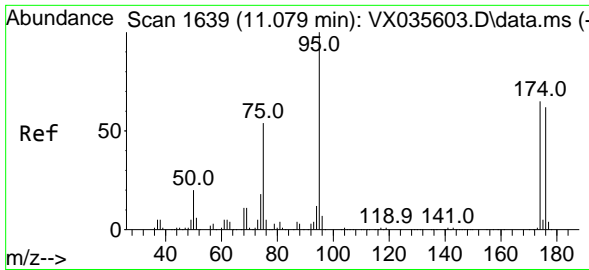
Tgt Ion: 98 Resp: 350265  
 Ion Ratio Lower Upper  
 98 100  
 100 65.4 52.5 78.7



#51  
 4-Methyl-2-Pentanone  
 Concen: 0.623 ug/l  
 RT: 8.647 min Scan# 1240  
 Delta R.T. 0.073 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Tgt Ion: 43 Resp: 2096  
 Ion Ratio Lower Upper  
 43 100  
 58 169.5 30.6 46.0#

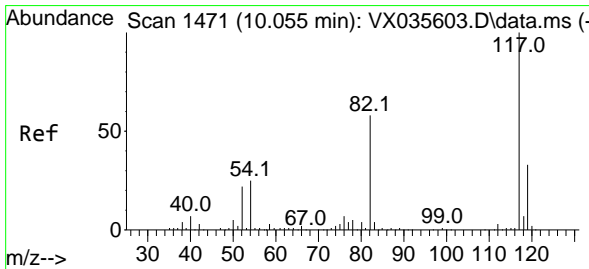
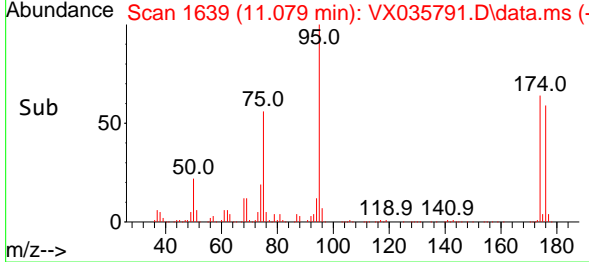
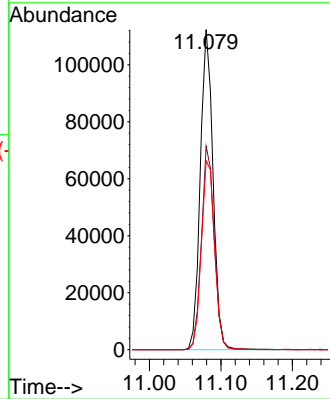
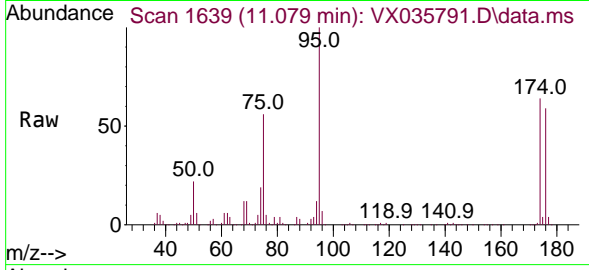




#62  
 4-Bromofluorobenzene  
 Concen: 45.780 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.000 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

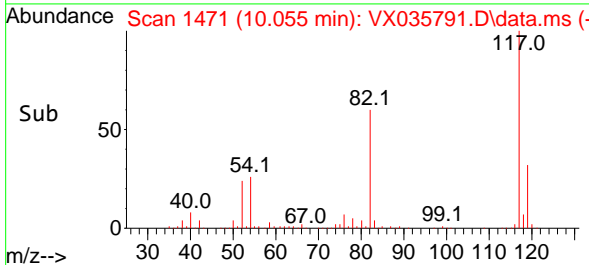
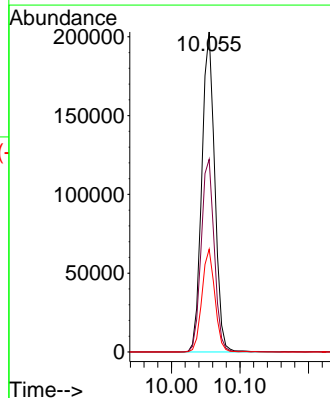
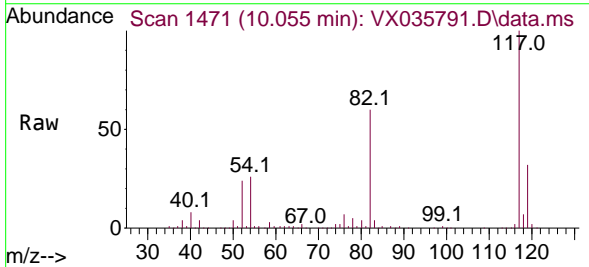
Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023

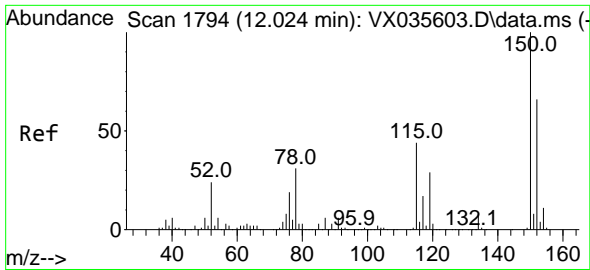
Tgt Ion: 95 Resp: 138467  
 Ion Ratio Lower Upper  
 95 100  
 174 64.3 0.0 147.4  
 176 61.5 0.0 140.6



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. -0.000 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

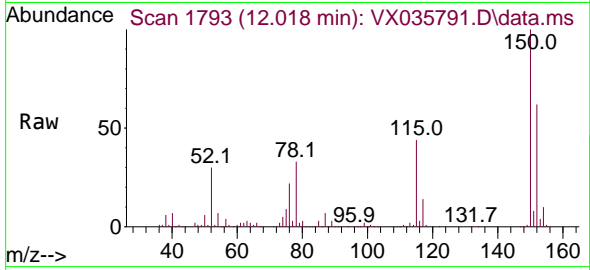
Tgt Ion: 117 Resp: 267523  
 Ion Ratio Lower Upper  
 117 100  
 82 60.2 45.0 67.4  
 119 32.1 26.0 39.0



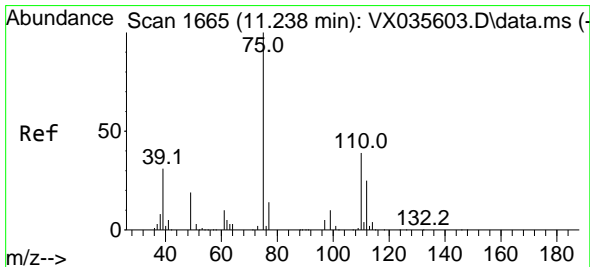
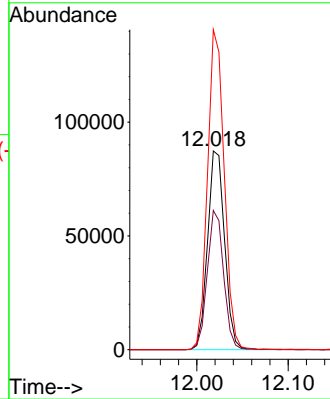
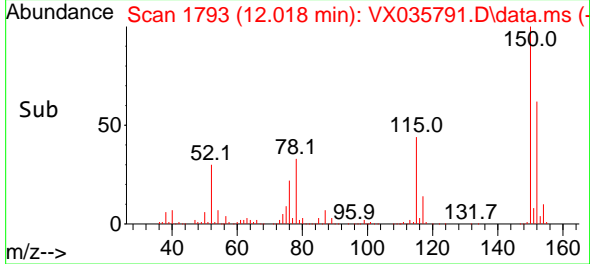


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

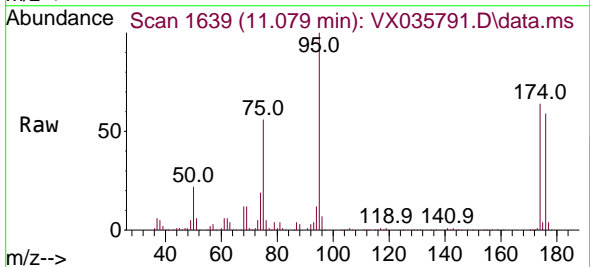
Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023



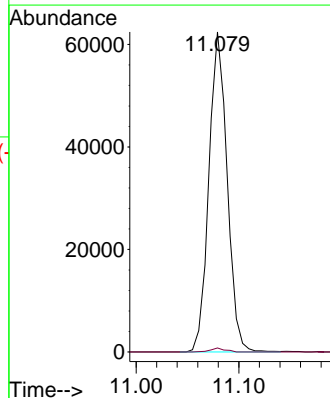
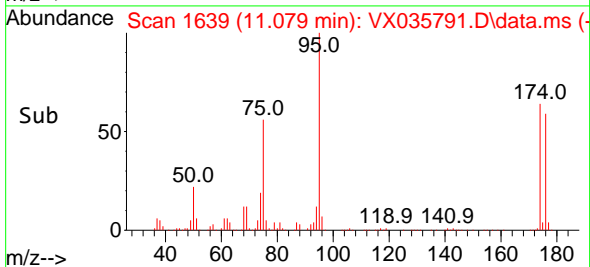
Tgt Ion:152 Resp: 112799  
 Ion Ratio Lower Upper  
 152 100  
 115 67.1 45.0 135.0  
 150 157.8 0.0 352.4

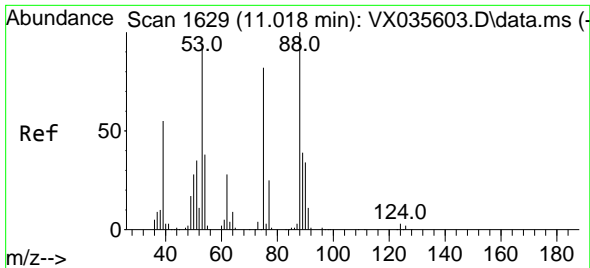


#76  
 1,2,3-Trichloropropane  
 Concen: 27.909 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45



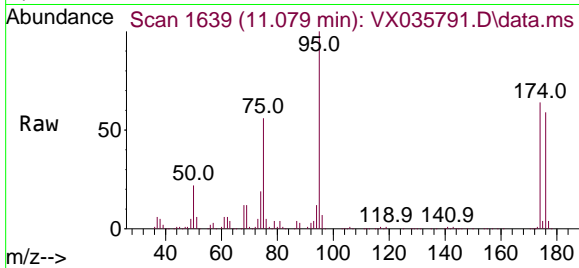
Tgt Ion: 75 Resp: 77005  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 21.6 64.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.948 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX035791.D  
 Acq: 22 May 2023 17:45

Instrument : MSVOA\_X  
 ClientSampleId : FSND-DUP-03-05162023



Tgt Ion: 75 Resp: 77005

Ion	Ratio	Lower	Upper
75	100		
53	0.0	82.6	124.0#
89	0.0	36.9	55.3#

