

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033166.D
 Acq On : 01 Dec 2022 16:18
 Operator : JC/MD
 Sample : N5821-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-3S

Quant Time: Dec 02 00:53:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

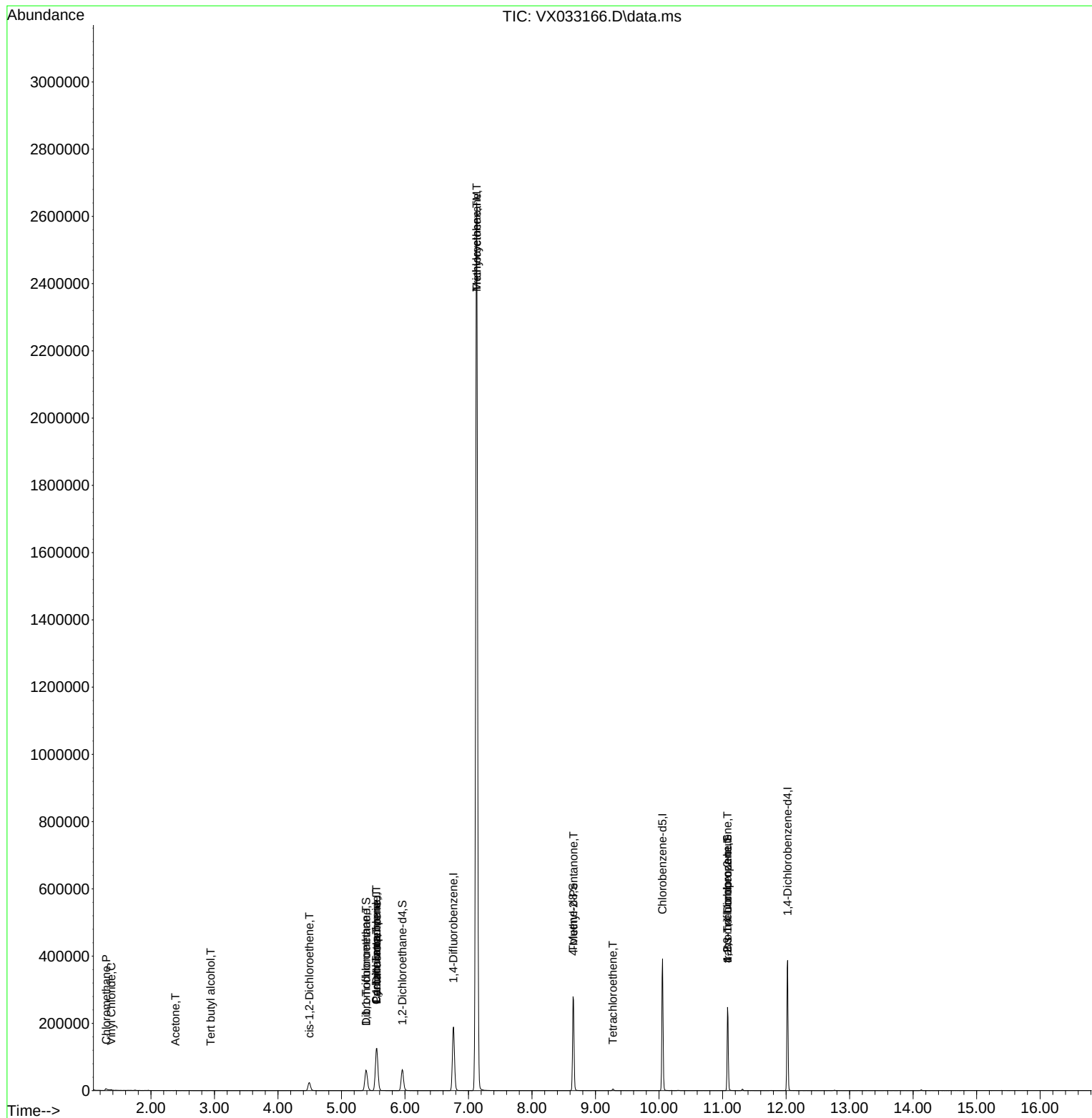
Internal Standards						
1) Pentafluorobenzene	5.556	168	120573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64573	55.129	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.260%
35) Dibromofluoromethane	5.385	113	51770	47.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.560%
50) Toluene-d8	8.647	98	168749	51.838	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.680%
62) 4-Bromofluorobenzene	11.079	95	62593	43.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	319	0.321	ug/l #	43
4) Vinyl Chloride	1.373	62	752	0.679	ug/l #	26
11) Tert butyl alcohol	2.940	59	139	0.747	ug/l #	72
16) Acetone	2.385	43	778	1.419	ug/l	98
20) Methylene Chloride	2.800	84	112	Below Cal	#	5
27) cis-1,2-Dichloroethene	4.495	96	15862	11.599	ug/l	90
31) Cyclohexane	5.550	56	2578	1.355	ug/l #	43
32) 1,1,1-Trichloroethane	5.385	97	1584	0.746	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	9327	5.383	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12568	6.539	ug/l #	14
39) Methylcyclohexane	7.129	83	11661	5.899	ug/l #	1
44) Trichloroethene	7.129	130	996447	730.993	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	698	0.452	ug/l #	1
64) Tetrachloroethene	9.274	164	279	0.231	ug/l #	65
76) 1,2,3-Trichloropropane	11.079	75	34734	23.032	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34734	74.866	ug/l #	6

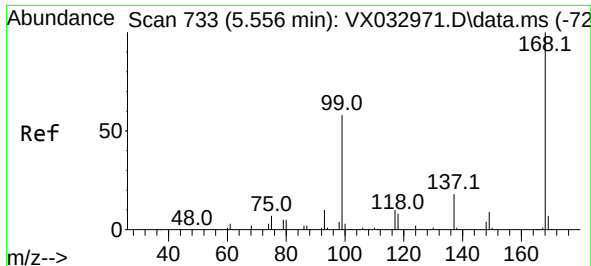
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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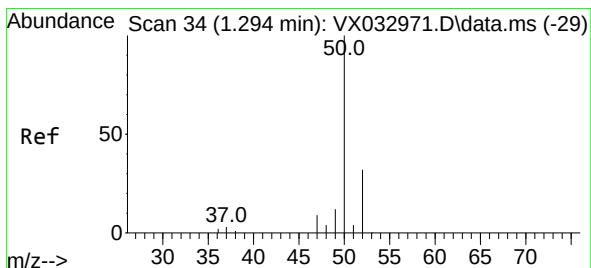
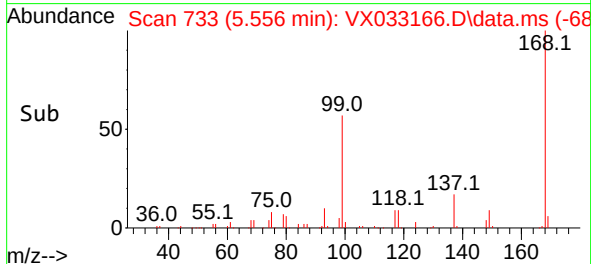
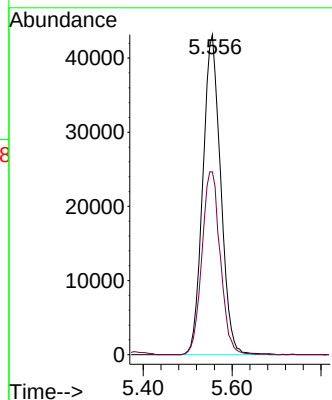
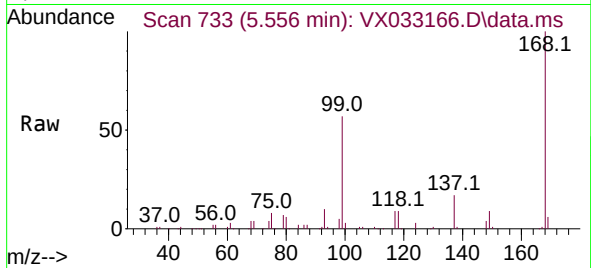




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

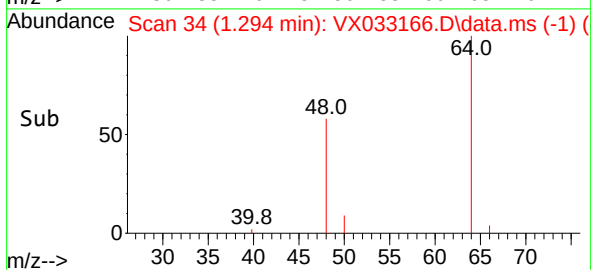
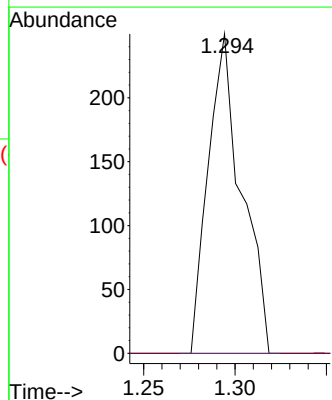
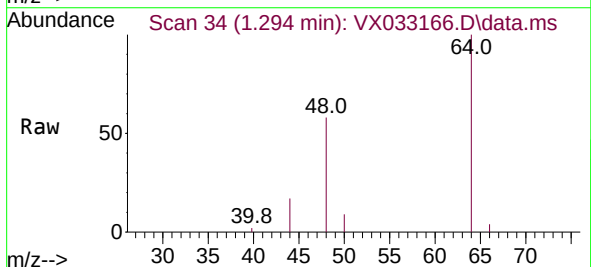
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3S

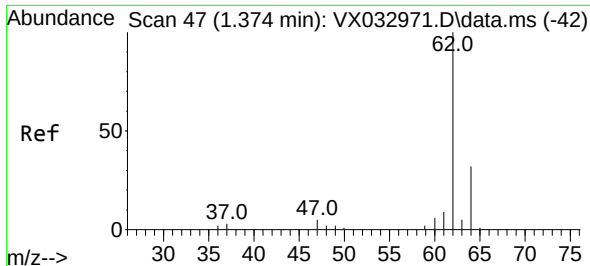
Tgt Ion:168 Resp: 120573
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#3
Chloromethane
Concen: 0.321 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Tgt Ion: 50 Resp: 319
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

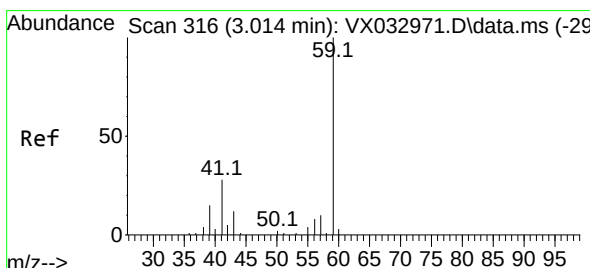
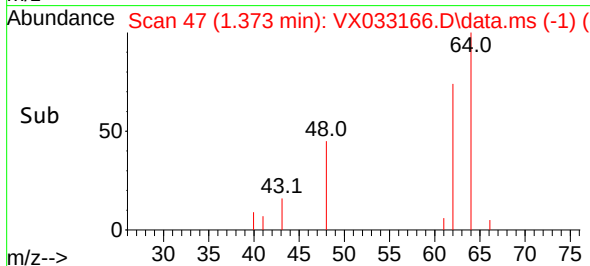
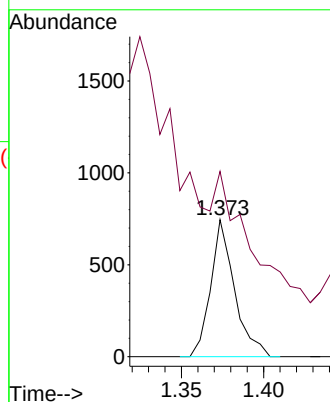
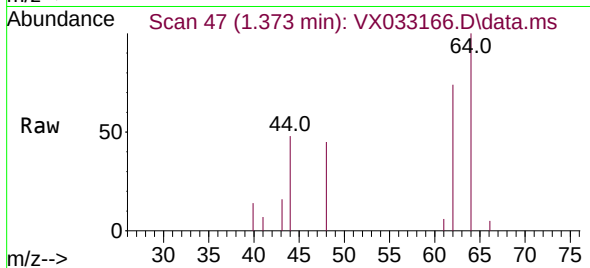




#4
 Vinyl Chloride
 Concen: 0.679 ug/l
 RT: 1.373 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: VX033166.D
 Acq: 01 Dec 2022 16:18

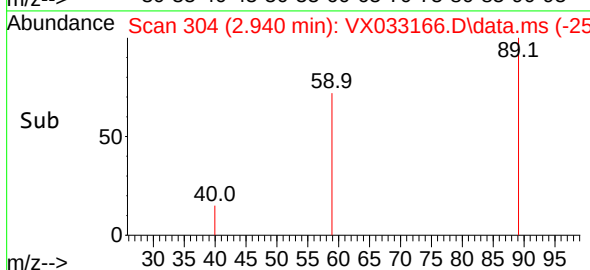
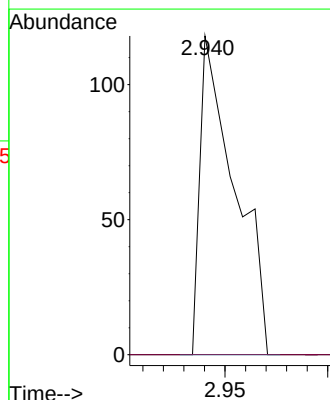
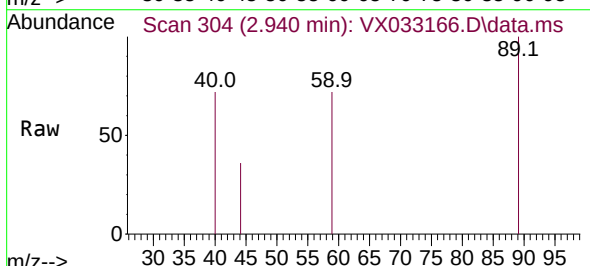
Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-3S

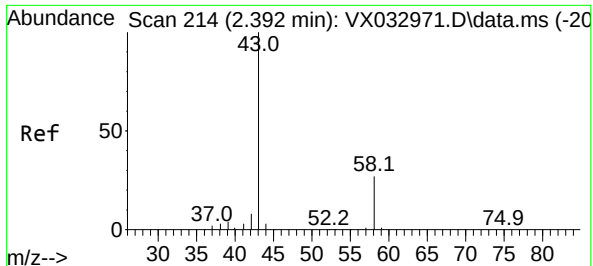
Tgt Ion: 62 Resp: 752
 Ion Ratio Lower Upper
 62 100
 64 73.4 25.8 38.6#



#11
 Tert butyl alcohol
 Concen: 0.747 ug/l
 RT: 2.940 min Scan# 304
 Delta R.T. -0.025 min
 Lab File: VX033166.D
 Acq: 01 Dec 2022 16:18

Tgt Ion: 59 Resp: 139
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

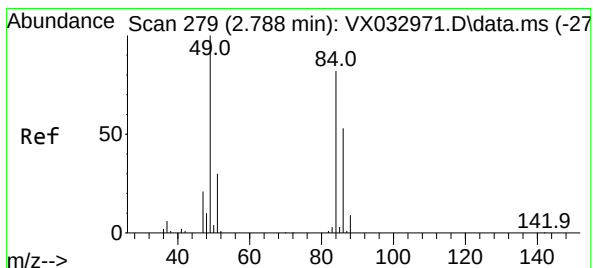
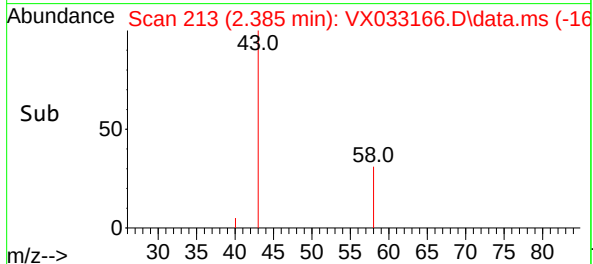
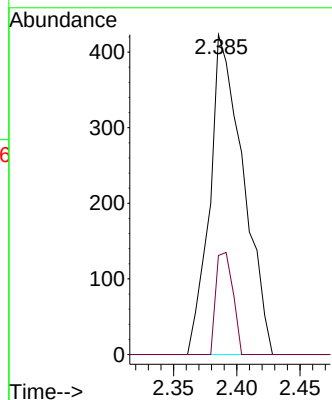
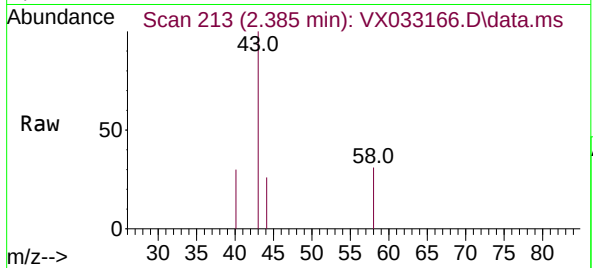




#16
Acetone
Concen: 1.419 ug/l
RT: 2.385 min Scan# 214
Delta R.T. 0.005 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

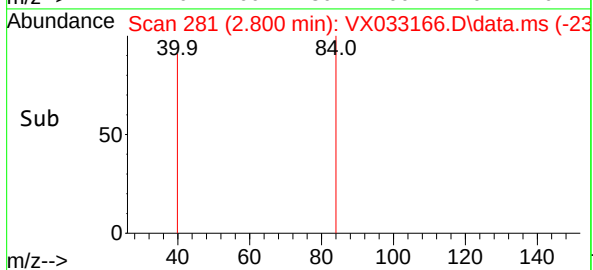
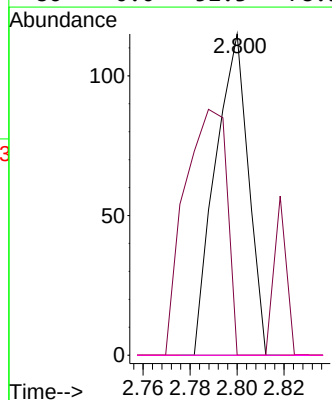
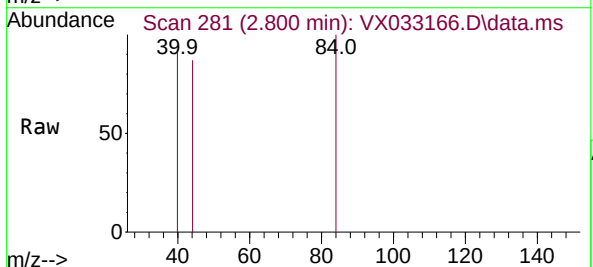
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3S

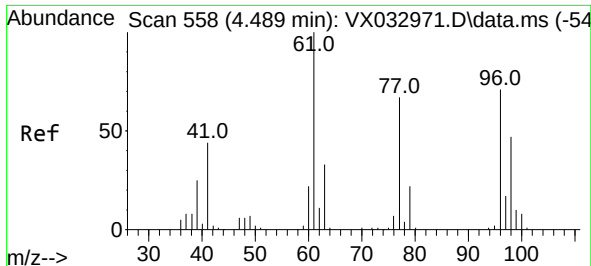
Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 31.0 23.8 35.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Tgt Ion: 84 Resp: 112
Ion Ratio Lower Upper
84 100
49 0.0 101.0 151.6#
51 0.0 31.1 46.7#
86 0.0 52.3 78.5#





#27

cis-1,2-Dichloroethene

Concen: 11.599 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033166.D

Acq: 01 Dec 2022 16:18

Instrument :

MSVOA_X

ClientSampleId :

22-MW-3S

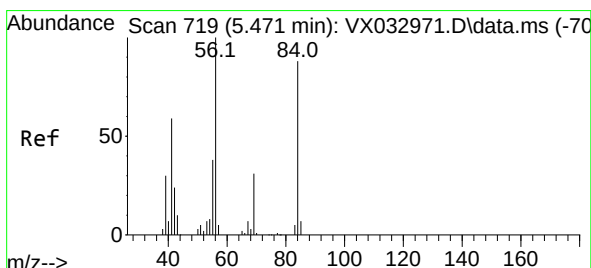
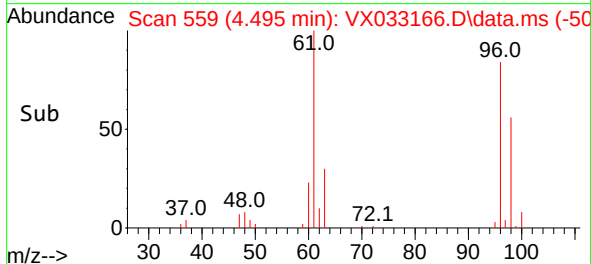
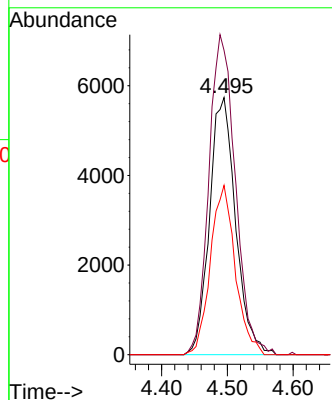
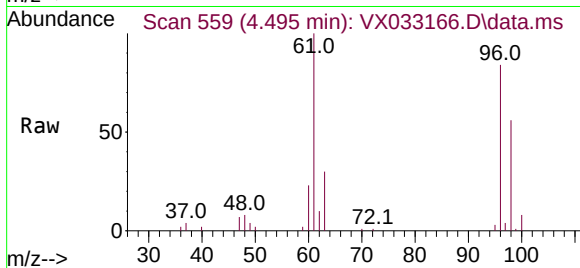
Tgt Ion: 96 Resp: 15862

Ion Ratio Lower Upper

96 100

61 126.2 0.0 286.0

98 62.7 0.0 129.6



#31

Cyclohexane

Concen: 1.355 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033166.D

Acq: 01 Dec 2022 16:18

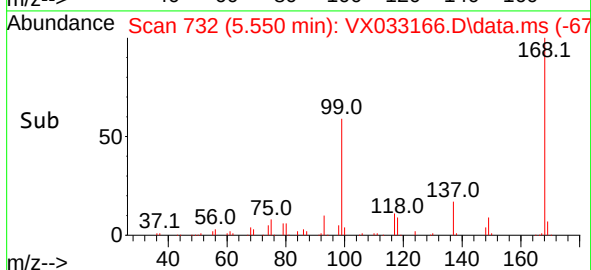
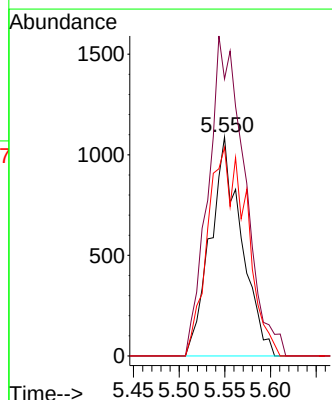
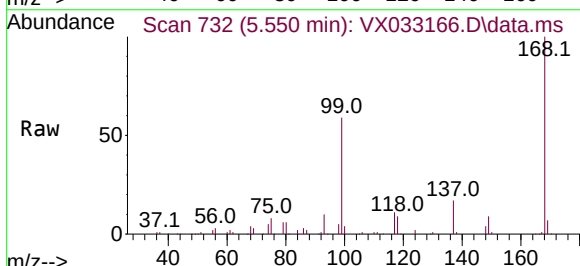
Tgt Ion: 56 Resp: 2578

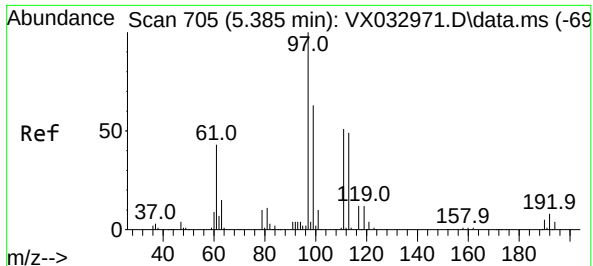
Ion Ratio Lower Upper

56 100

69 126.6 24.1 36.1#

84 95.3 66.9 100.3





#32

1,1,1-Trichloroethane

Concen: 0.746 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033166.D

Acq: 01 Dec 2022 16:18

Instrument :

MSVOA_X

ClientSampleId :

22-MW-3S

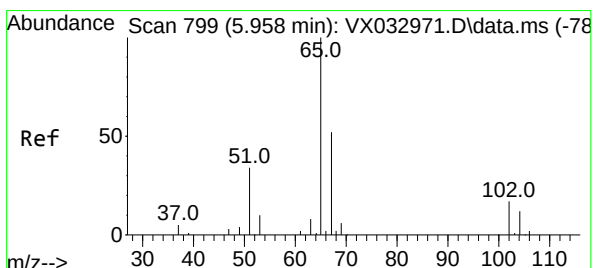
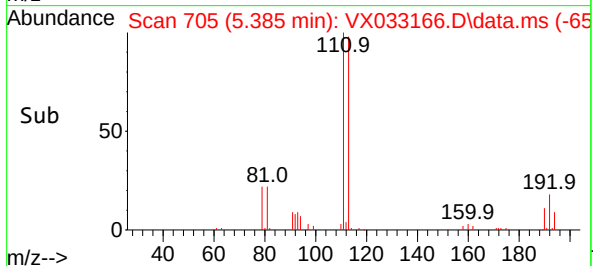
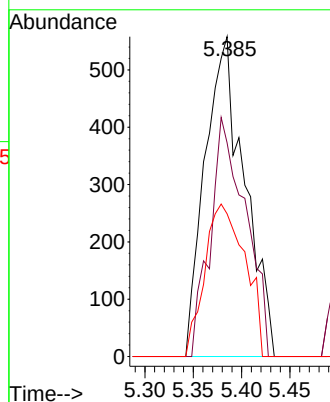
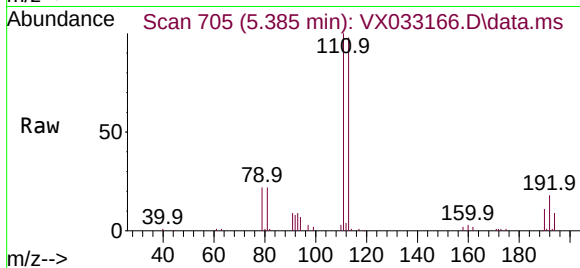
Tgt Ion: 97 Resp: 1584

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 48.7 35.2 52.8



#33

1,2-Dichloroethane-d4

Concen: 55.129 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033166.D

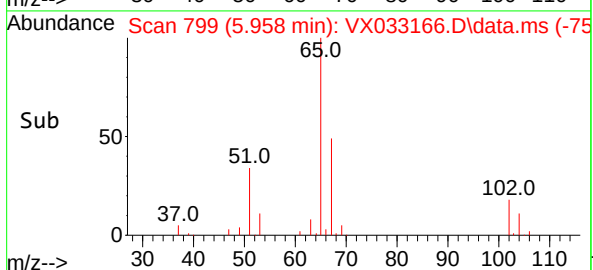
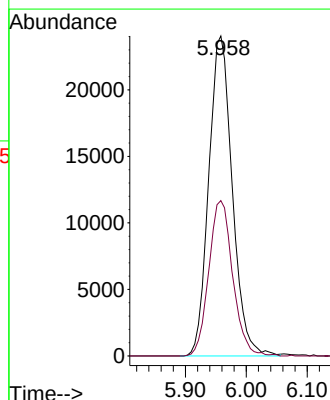
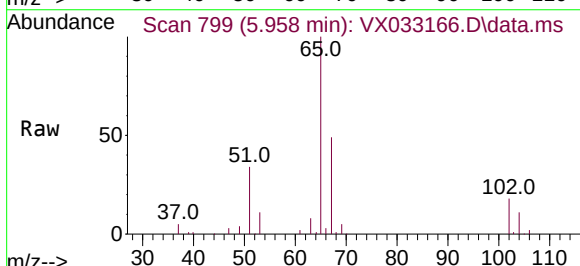
Acq: 01 Dec 2022 16:18

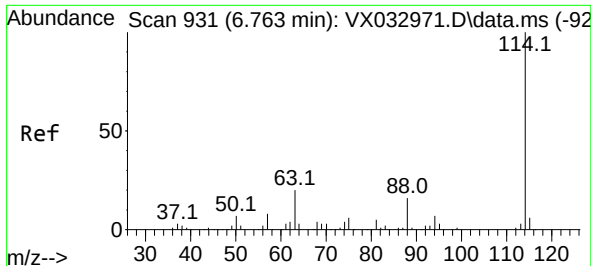
Tgt Ion: 65 Resp: 64573

Ion Ratio Lower Upper

65 100

67 49.3 0.0 101.8

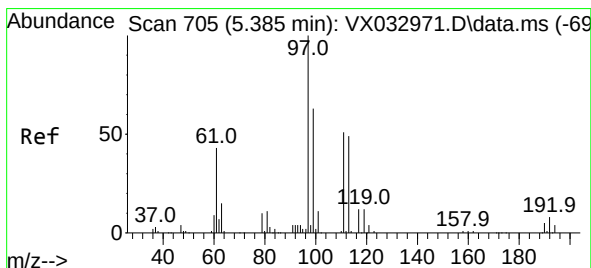
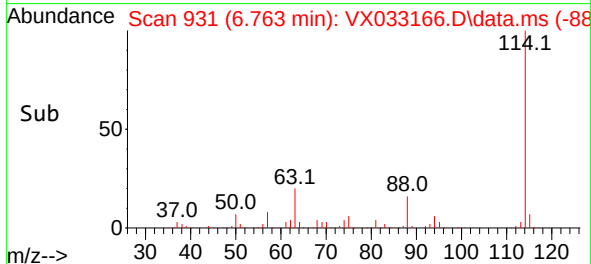
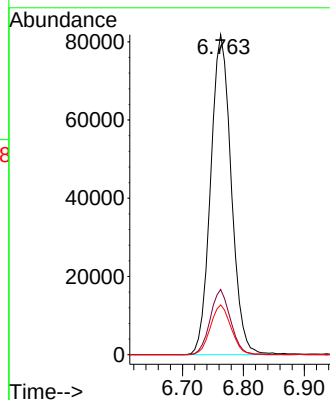
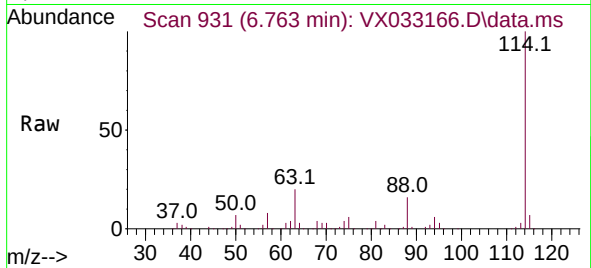




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

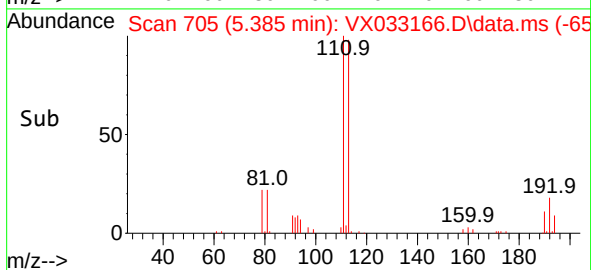
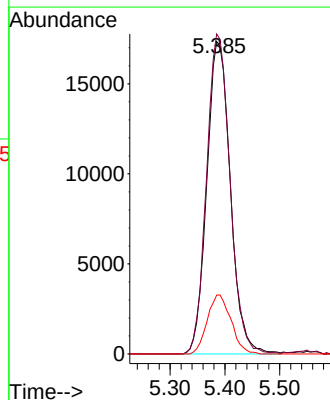
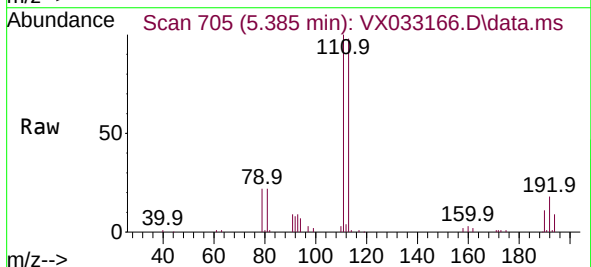
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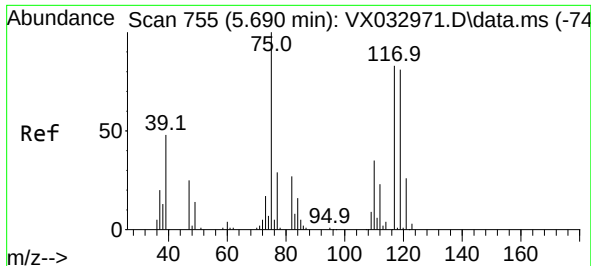
Tgt Ion:114 Resp: 192205
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.777 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Tgt Ion:113 Resp: 51770
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 19.0 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.383 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033166.D

Acq: 01 Dec 2022 16:18

Instrument :

MSVOA_X

ClientSampleId :

22-MW-3S

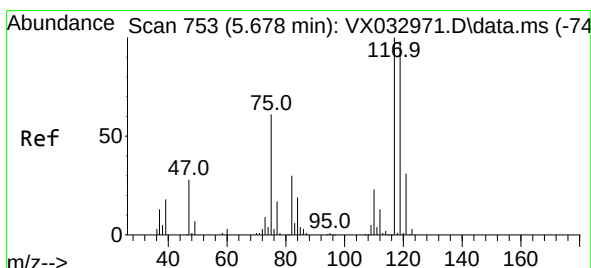
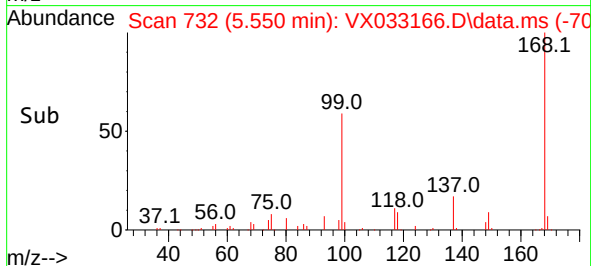
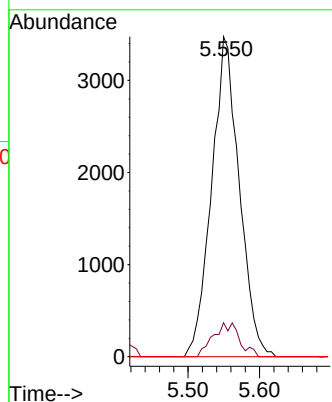
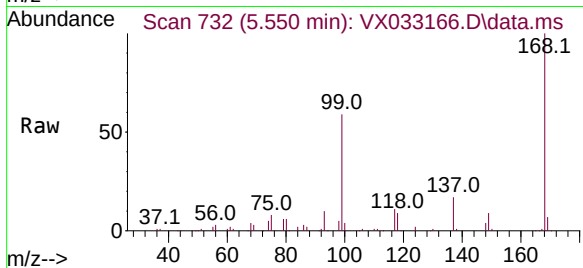
Tgt Ion: 75 Resp: 9327

Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.539 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX033166.D

Acq: 01 Dec 2022 16:18

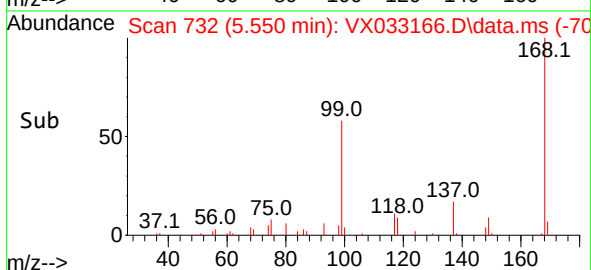
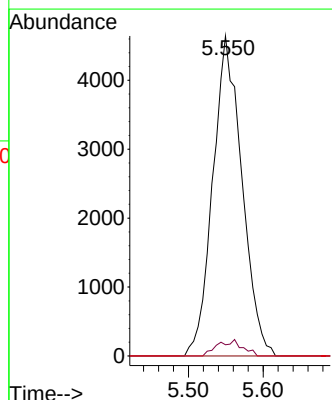
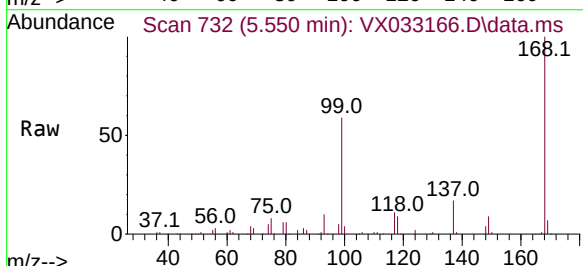
Tgt Ion: 117 Resp: 12568

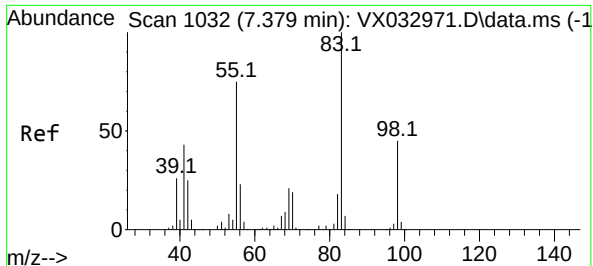
Ion Ratio Lower Upper

117 100

119 3.5 77.2 115.8#

121 0.0 25.8 38.6#

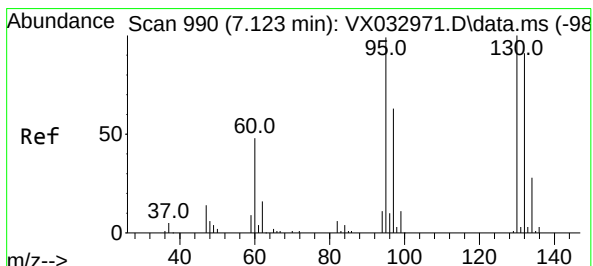
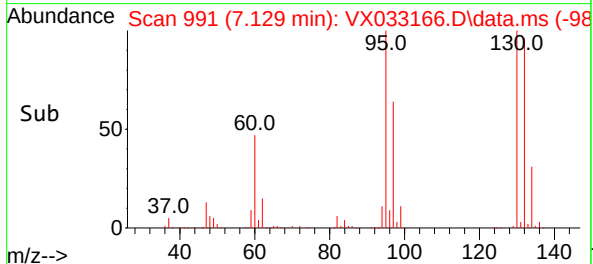
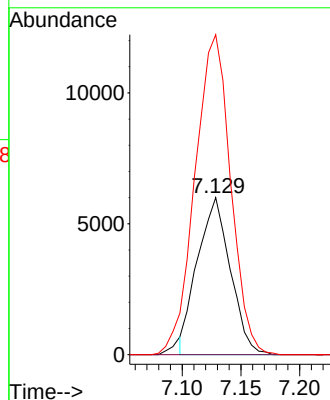
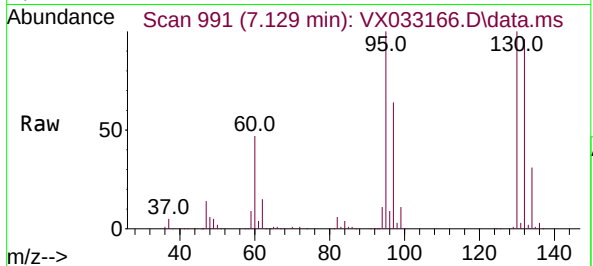




#39
Methylcyclohexane
Concen: 5.899 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

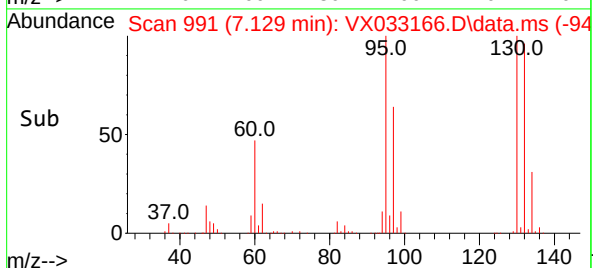
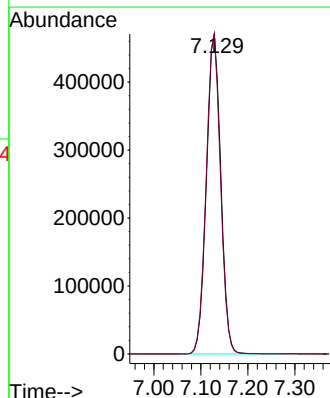
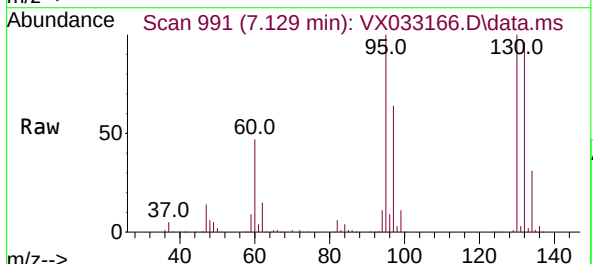
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3S

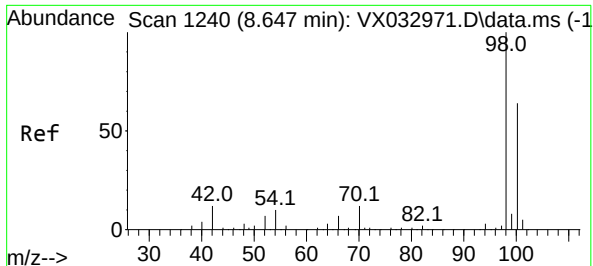
Tgt Ion: 83 Resp: 11661
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 203.7 37.2 55.8#



#44
Trichloroethene
Concen: 730.993 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Tgt Ion:130 Resp: 996447
Ion Ratio Lower Upper
130 100
95 100.1 0.0 195.2

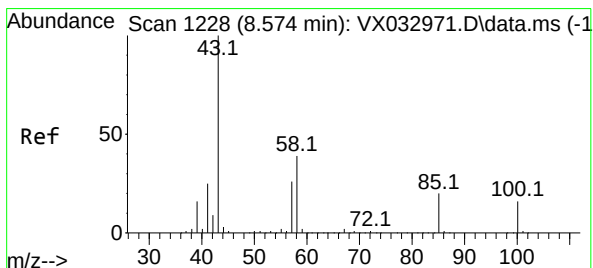
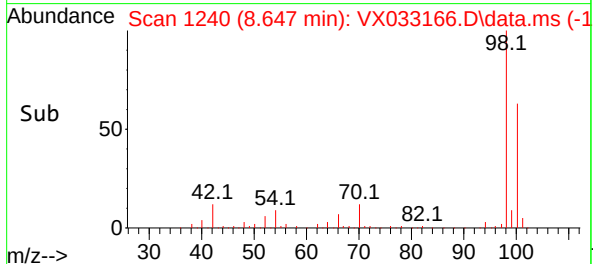
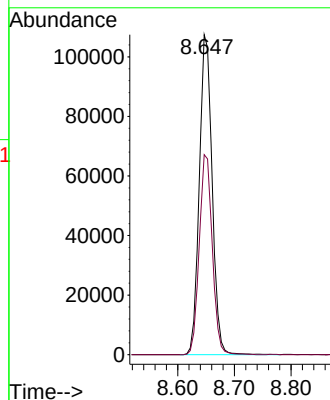
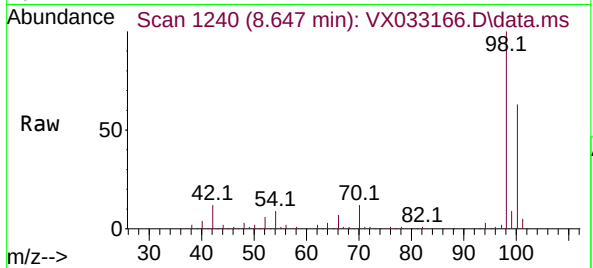




#50
Toluene-d8
Concen: 51.838 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

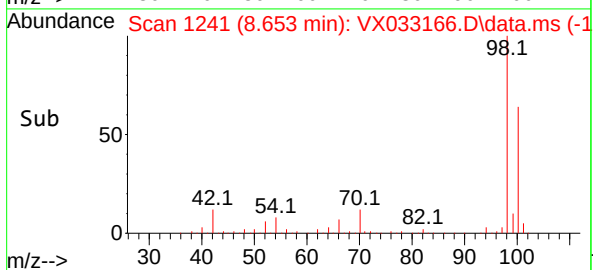
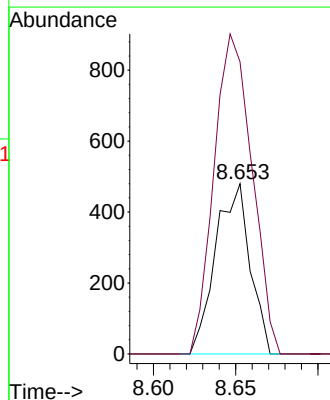
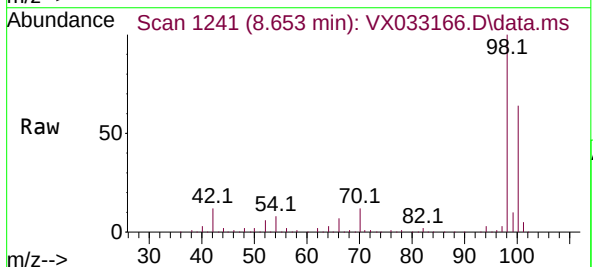
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3S

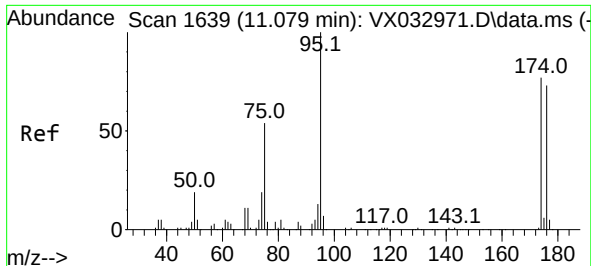
Tgt Ion: 98 Resp: 168749
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.452 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
58 207.7 30.9 46.3#

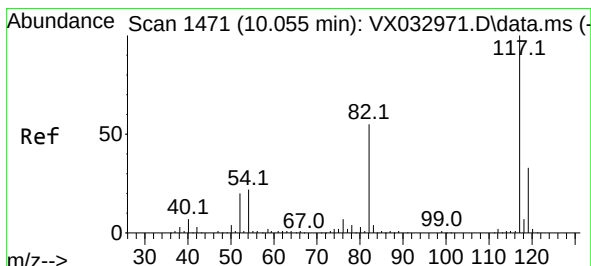
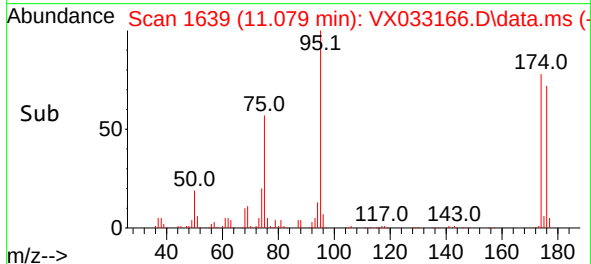
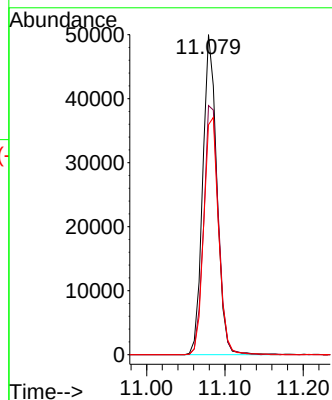
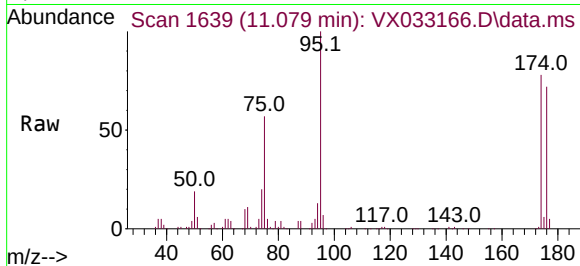




#62
4-Bromofluorobenzene
Concen: 43.974 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

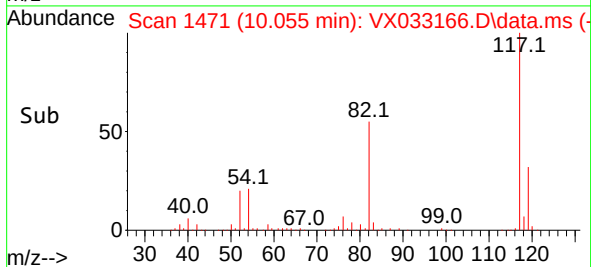
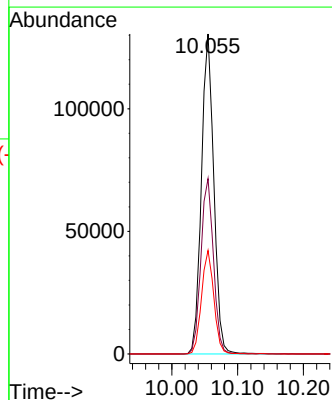
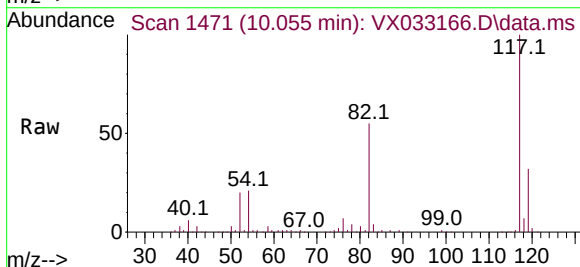
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3S

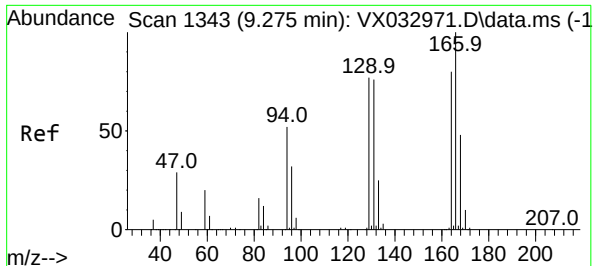
Tgt Ion: 95 Resp: 62593
Ion Ratio Lower Upper
95 100
174 82.0 0.0 164.0
176 78.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

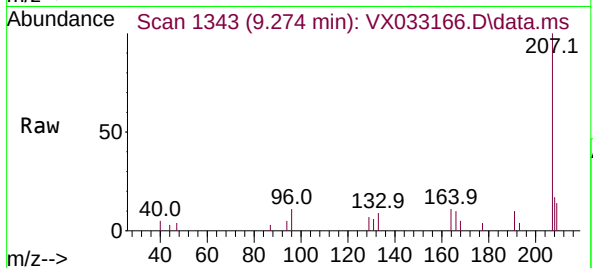
Tgt Ion: 117 Resp: 170669
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 32.4 25.7 38.5





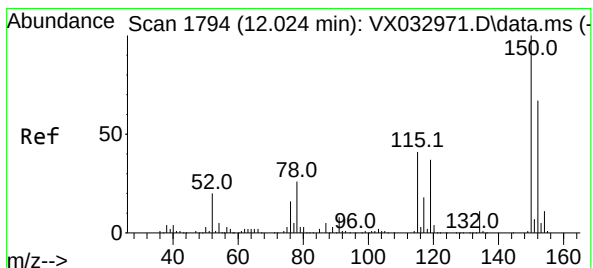
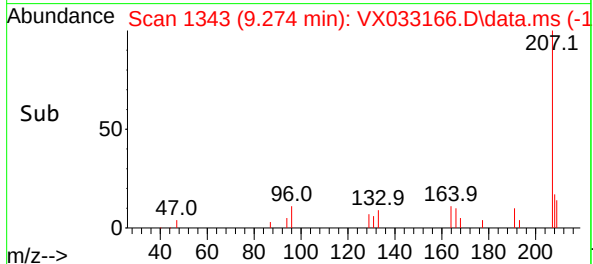
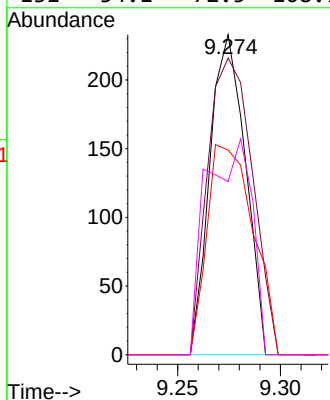
#64
Tetrachloroethene
Concen: 0.231 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Instrument :
MSVOA_X
ClientSampleId :
22-MW-3S



Tgt Ion:164 Resp: 279

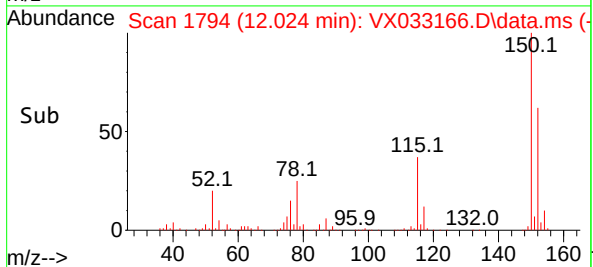
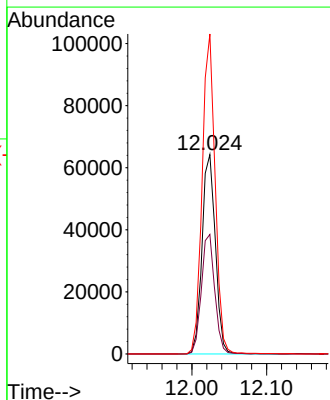
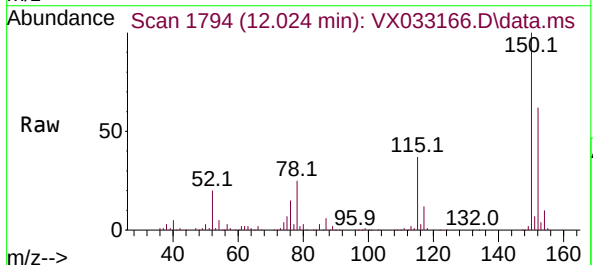
Ion	Ratio	Lower	Upper
164	100		
166	92.7	105.4	158.2#
129	63.9	78.2	117.2#
131	54.1	72.5	108.7#

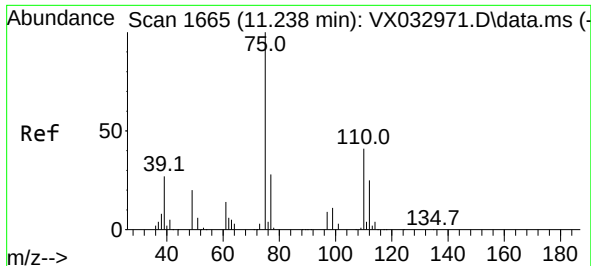


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Tgt Ion:152 Resp: 79629

Ion	Ratio	Lower	Upper
152	100		
115	60.2	44.0	132.0
150	156.1	0.0	351.8

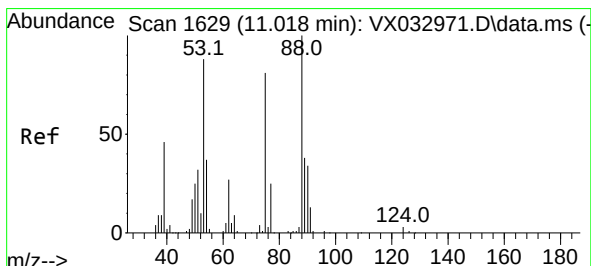
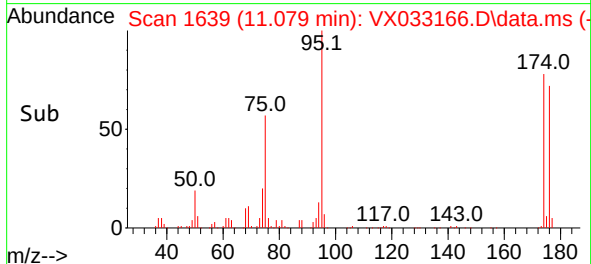
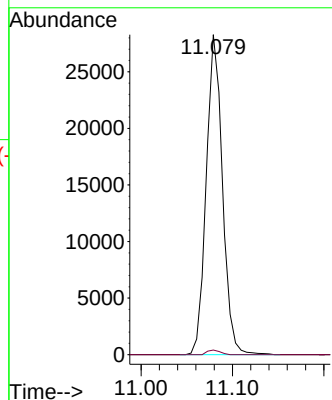
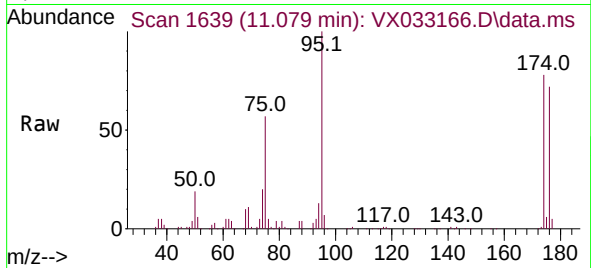




#76
1,2,3-Trichloropropane
Concen: 23.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Instrument :
MSVOA_X
ClientSampleId :
22-MW-3S

Tgt Ion: 75 Resp: 34734
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.866 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033166.D
Acq: 01 Dec 2022 16:18

Tgt Ion: 75 Resp: 34734
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

