

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034444.D
 Acq On : 13 Mar 2023 19:43
 Operator : JC/MD
 Sample : 01879-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20230308

Quant Time: Mar 14 02:29:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

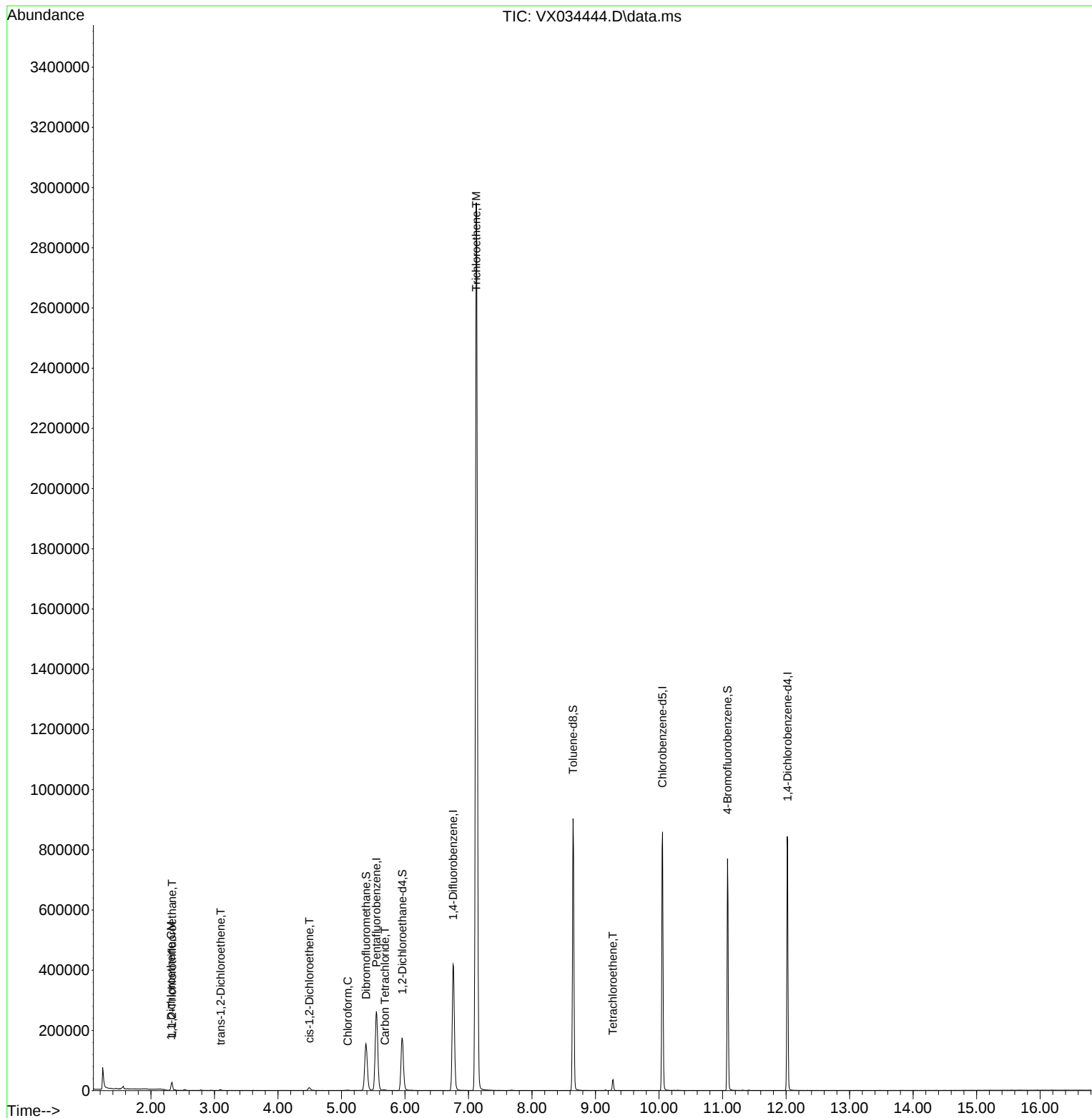
Internal Standards						
1) Pentafluorobenzene	5.550	168	253974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	432386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166255	44.997	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.000%
35) Dibromofluoromethane	5.385	113	135100	47.324	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.640%
50) Toluene-d8	8.647	98	521250	48.911	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.820%
62) 4-Bromofluorobenzene	11.079	95	196940	45.750	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.500%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	8805	3.119	ug/l	98
12) 1,1-Dichloroethene	2.319	96	1367	0.492	ug/l #	67
21) trans-1,2-Dichloroethene	3.099	96	1209	0.409	ug/l	88
27) cis-1,2-Dichloroethene	4.495	96	5878	1.654	ug/l	90
30) Chloroform	5.099	83	1726	0.305	ug/l	90
38) Carbon Tetrachloride	5.684	117	1627	0.373	ug/l	96
44) Trichloroethene	7.123	130	1119236	335.820	ug/l	100
64) Tetrachloroethene	9.275	164	6322	2.456	ug/l	96

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

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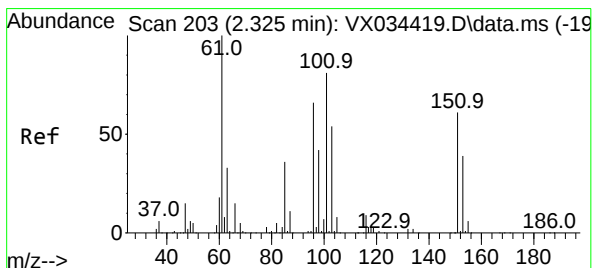
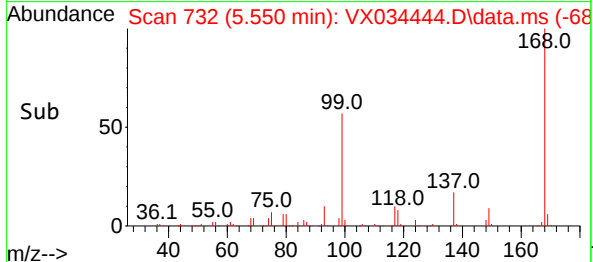
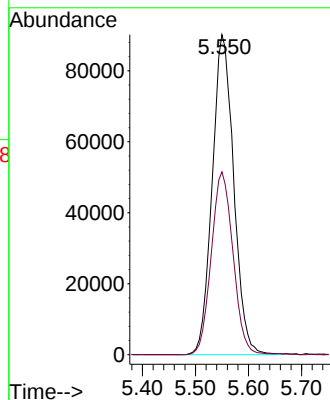
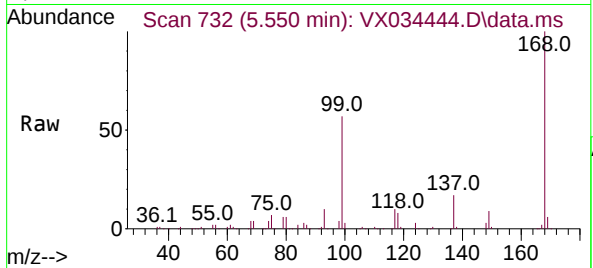




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

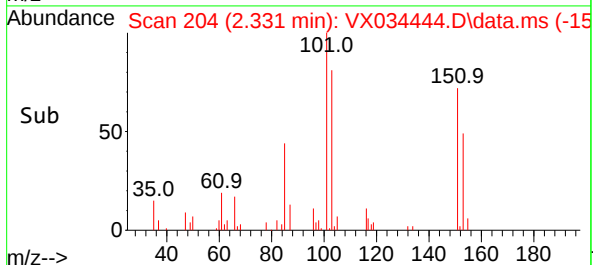
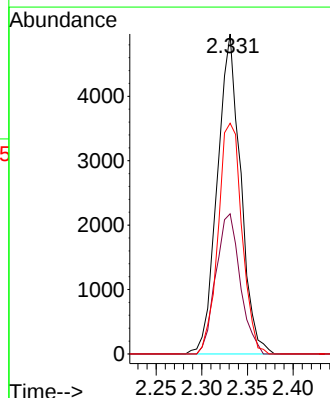
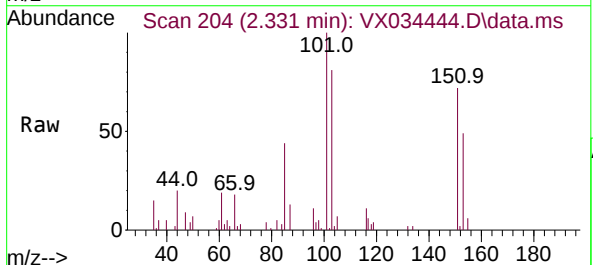
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

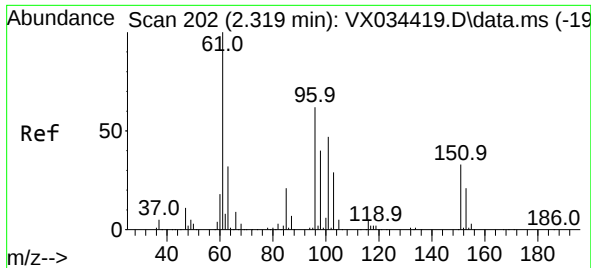
Tgt Ion:168 Resp: 253974
Ion Ratio Lower Upper
168 100
99 57.2 45.7 68.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.119 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion:101 Resp: 8805
Ion Ratio Lower Upper
101 100
85 45.6 35.4 53.2
151 73.6 60.2 90.4





#12

1,1-Dichloroethene

Concen: 0.492 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230308

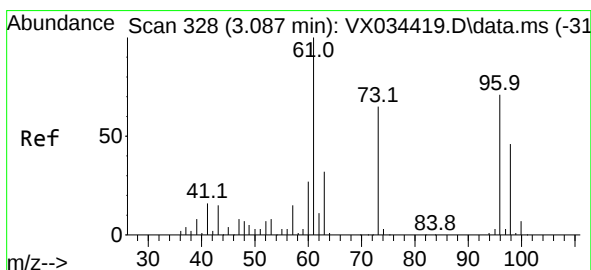
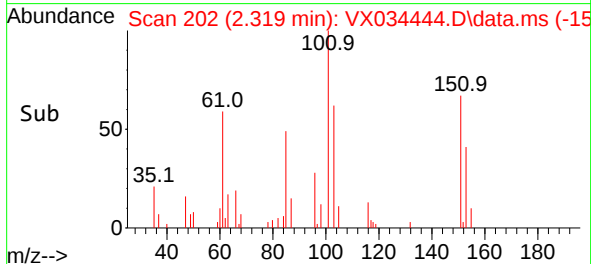
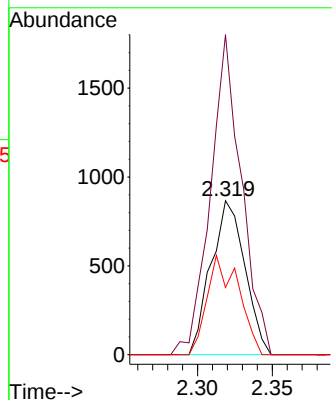
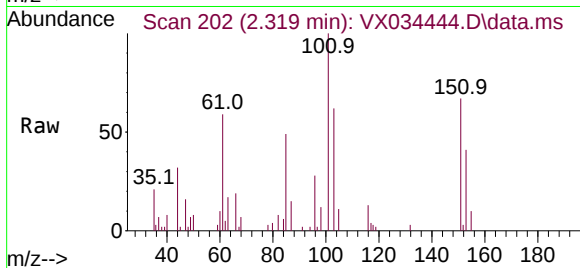
Tgt Ion: 96 Resp: 1367

Ion Ratio Lower Upper

96 100

61 208.0 128.8 193.2#

98 43.6 51.4 77.0#



#21

trans-1,2-Dichloroethene

Concen: 0.409 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.012 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

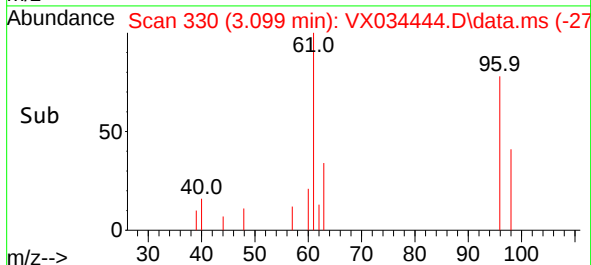
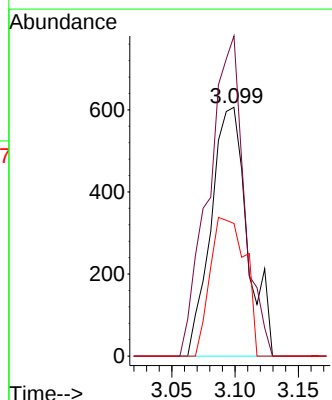
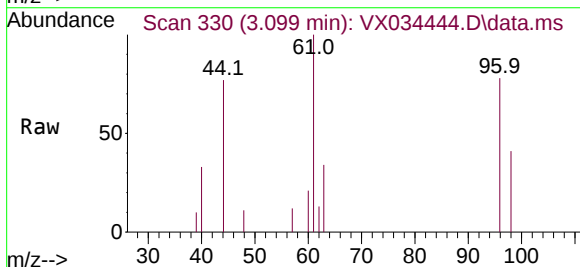
Tgt Ion: 96 Resp: 1209

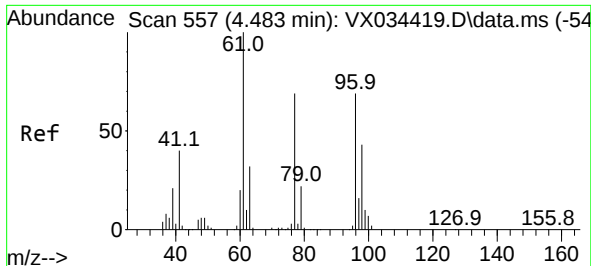
Ion Ratio Lower Upper

96 100

61 128.7 113.0 169.6

98 53.3 52.1 78.1





#27

cis-1,2-Dichloroethene

Concen: 1.654 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230308

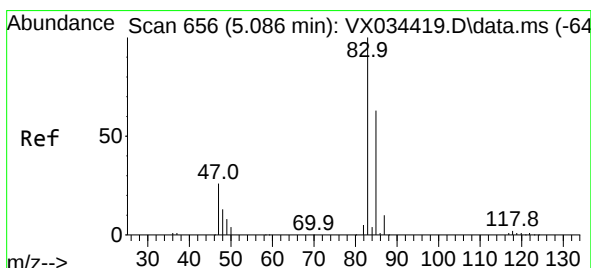
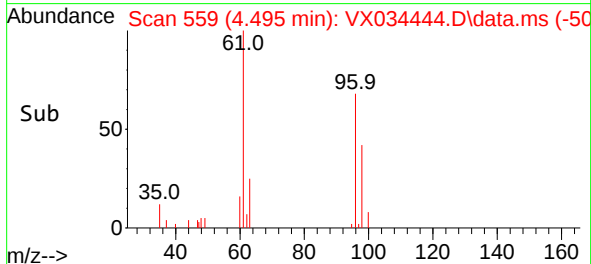
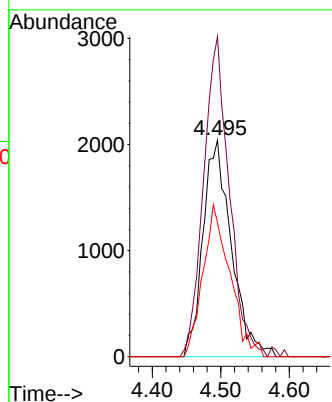
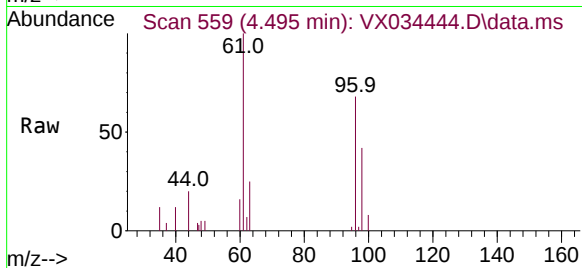
Tgt Ion: 96 Resp: 5878

Ion Ratio Lower Upper

96 100

61 133.9 0.0 300.4

98 67.0 0.0 129.0



#30

Chloroform

Concen: 0.305 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX034444.D

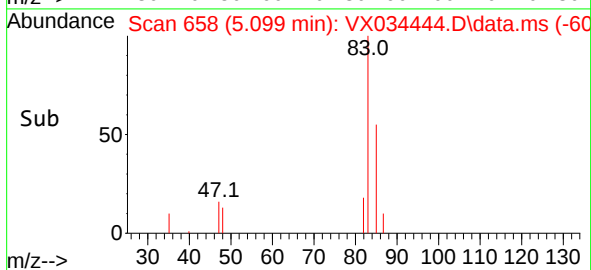
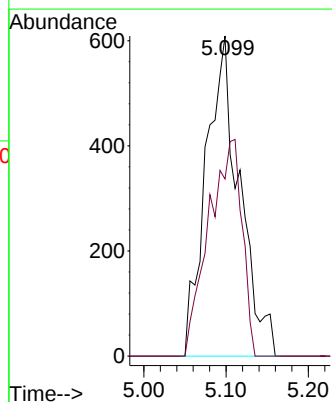
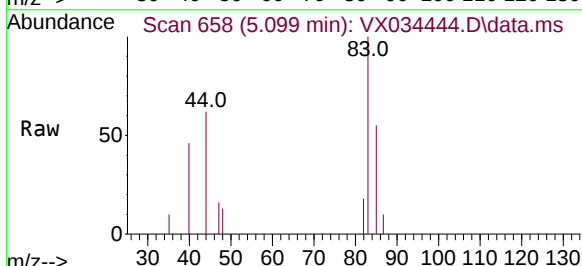
Acq: 13 Mar 2023 19:43

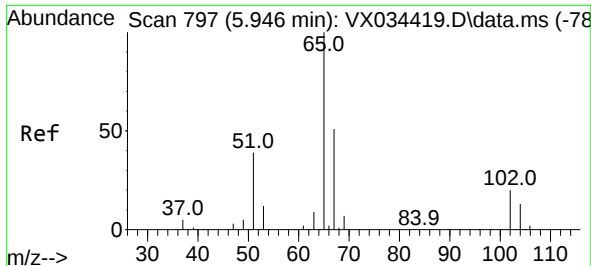
Tgt Ion: 83 Resp: 1726

Ion Ratio Lower Upper

83 100

85 55.3 50.6 76.0

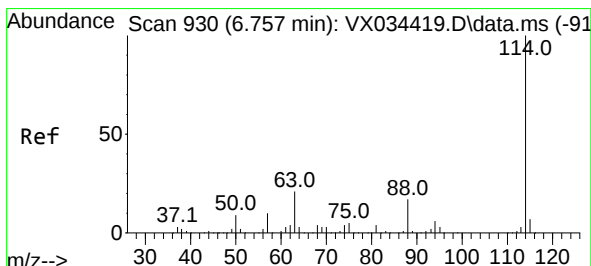
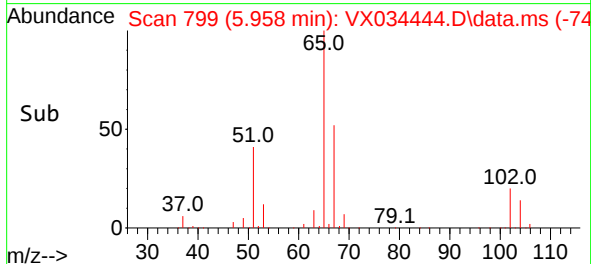
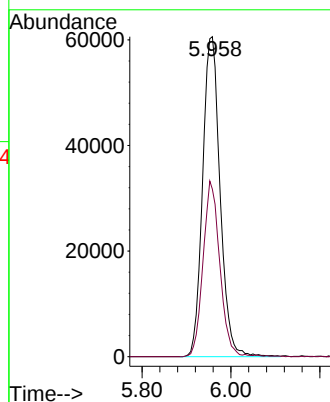
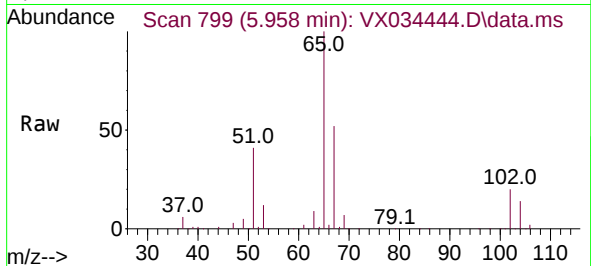




#33
 1,2-Dichloroethane-d4
 Concen: 44.997 ug/l
 RT: 5.958 min Scan# 797
 Delta R.T. 0.012 min
 Lab File: VX034444.D
 Acq: 13 Mar 2023 19:43

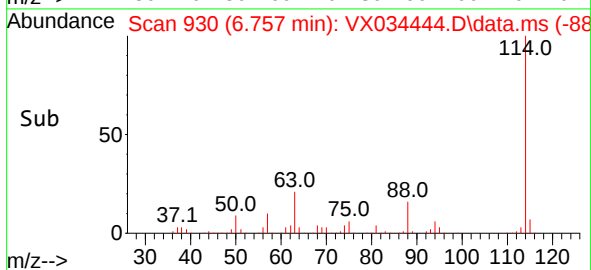
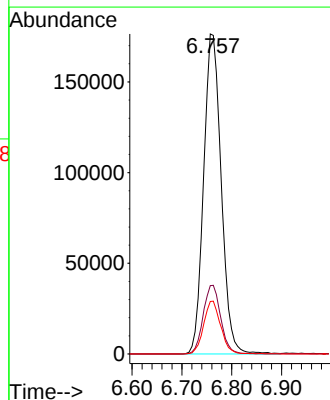
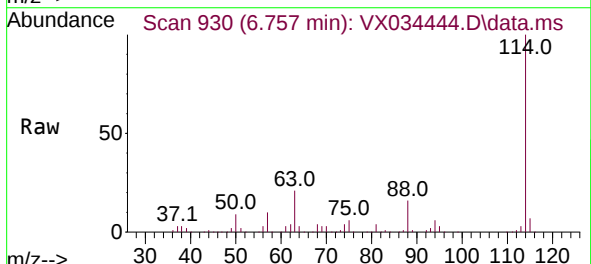
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20230308

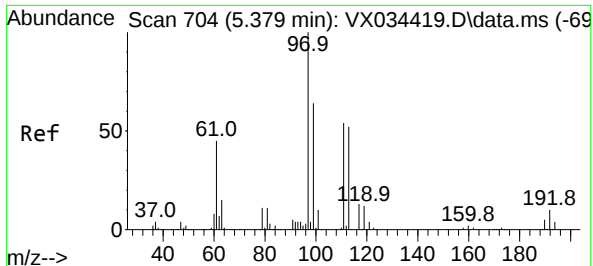
Tgt Ion: 65 Resp: 166255
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX034444.D
 Acq: 13 Mar 2023 19:43

Tgt Ion: 114 Resp: 432386
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.2
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.324 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034444.D

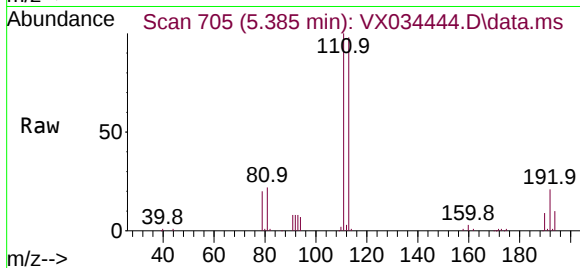
Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230308



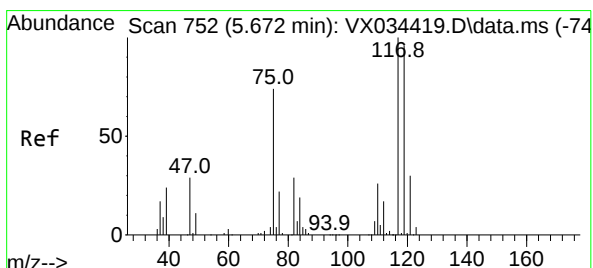
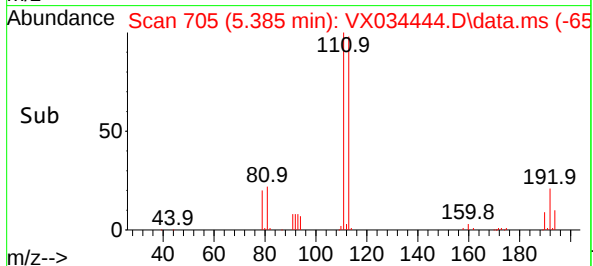
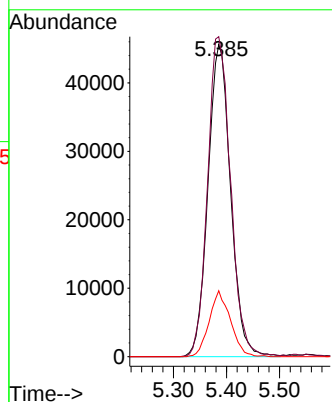
Tgt Ion:113 Resp: 135100

Ion Ratio Lower Upper

113 100

111 104.1 83.7 125.5

192 19.8 15.4 23.2



#38

Carbon Tetrachloride

Concen: 0.373 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.012 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

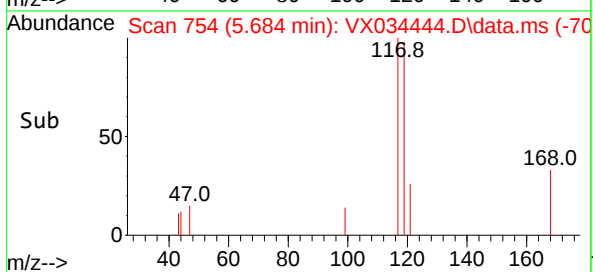
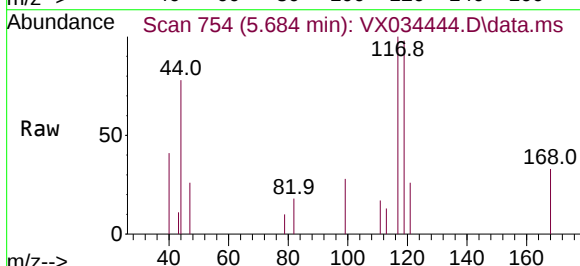
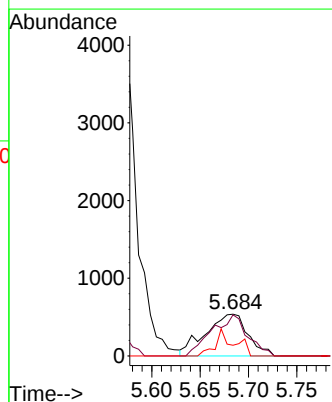
Tgt Ion:117 Resp: 1627

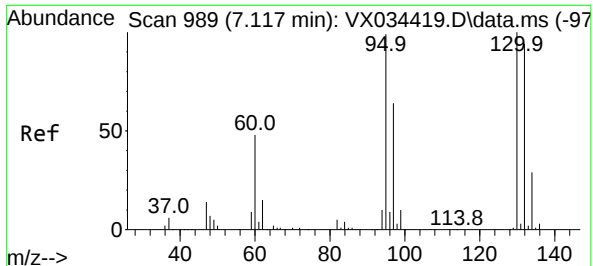
Ion Ratio Lower Upper

117 100

119 98.3 76.6 114.8

121 25.7 23.8 35.6

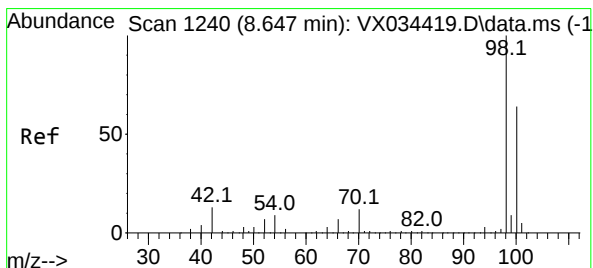
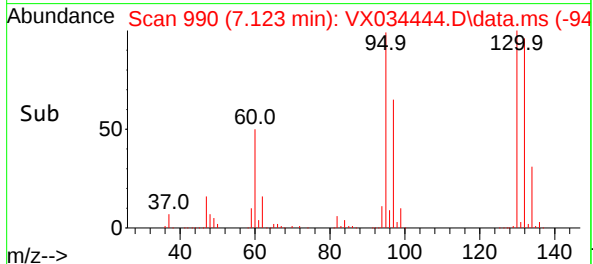
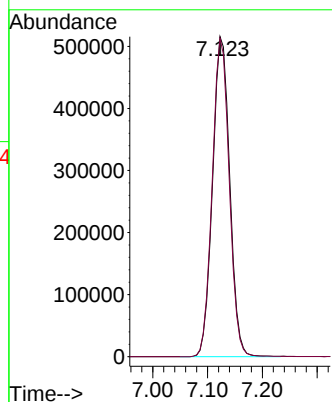
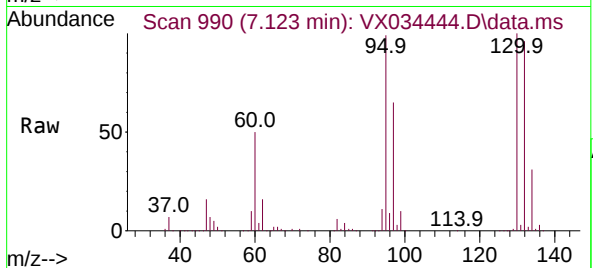




#44
Trichloroethene
Concen: 335.820 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

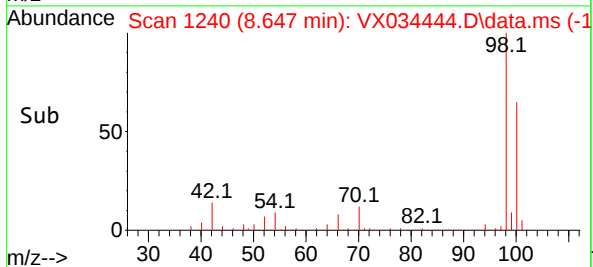
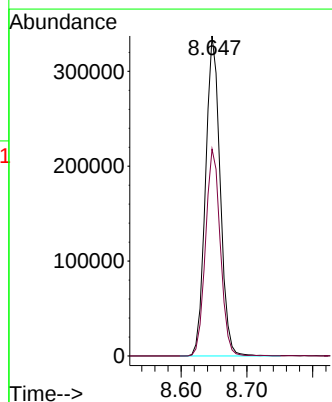
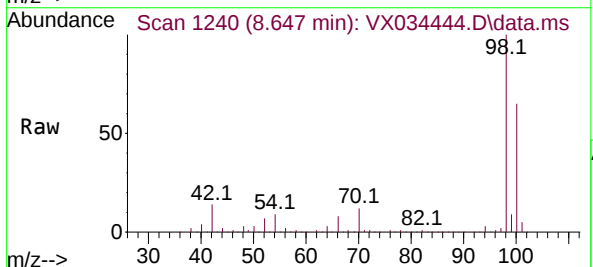
Instrument :
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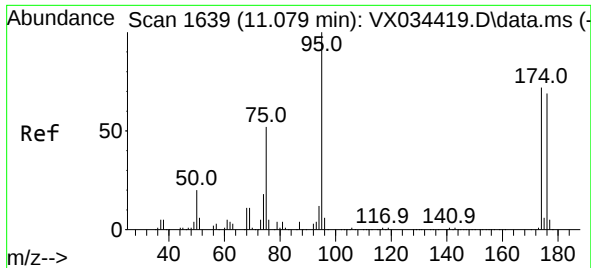
Tgt Ion:130 Resp: 1119236
Ion Ratio Lower Upper
130 100
95 99.5 0.0 198.4



#50
Toluene-d8
Concen: 48.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 98 Resp: 521250
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

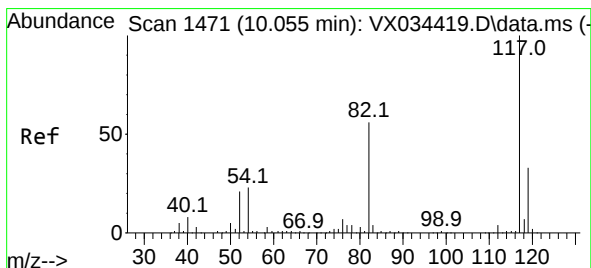
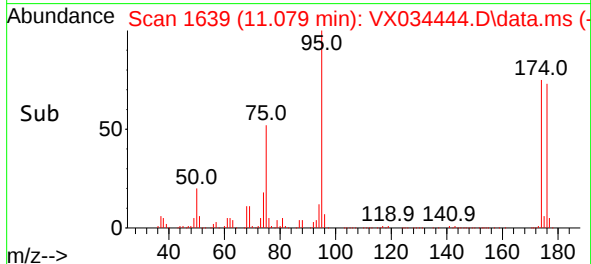
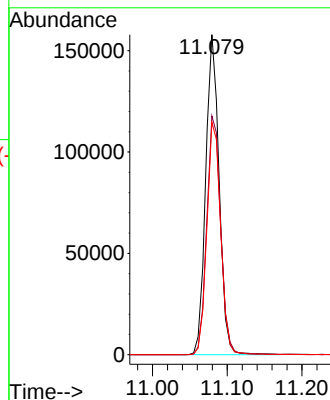
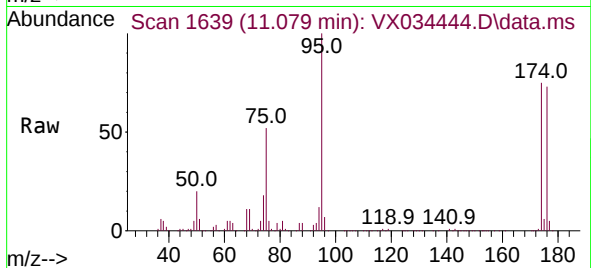




#62
4-Bromofluorobenzene
Concen: 45.750 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

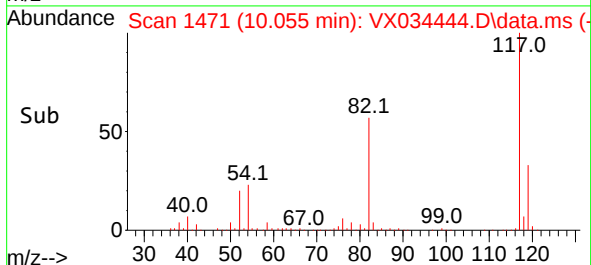
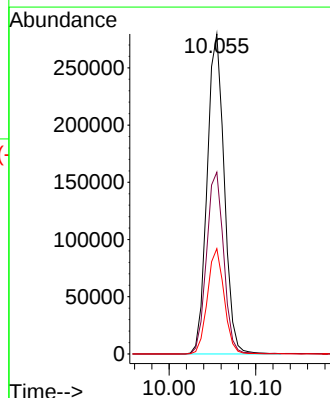
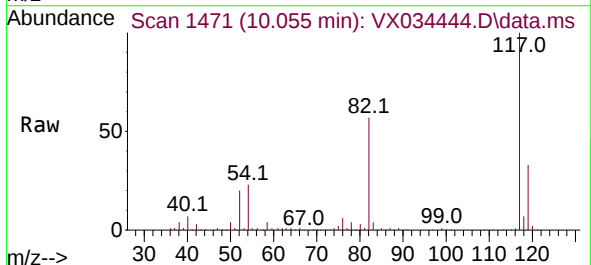
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

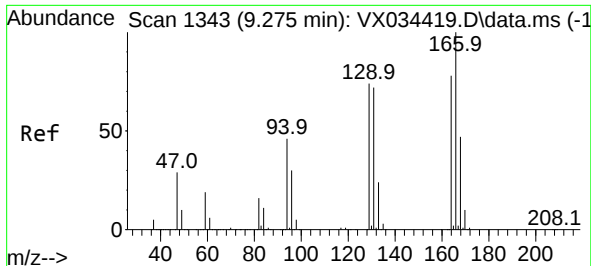
Tgt Ion: 95 Resp: 196940
Ion Ratio Lower Upper
95 100
174 77.6 0.0 147.4
176 74.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 117 Resp: 383276
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 32.9 26.0 39.0



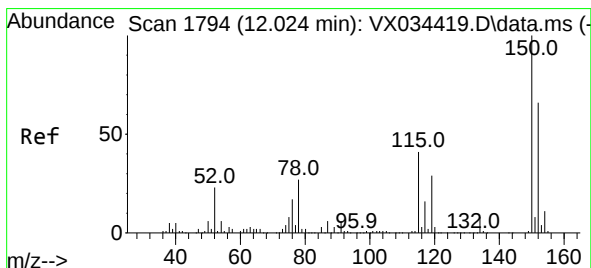
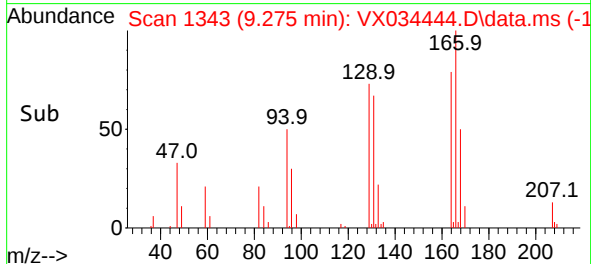
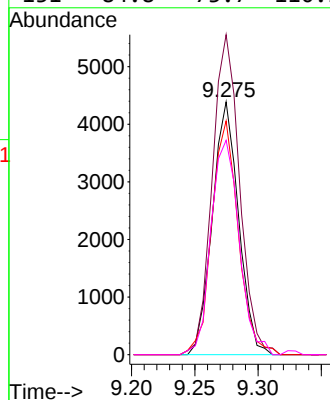
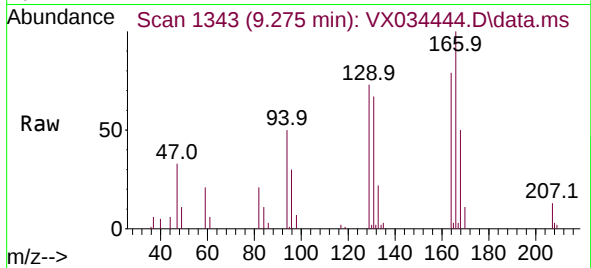


#64
Tetrachloroethene
Concen: 2.456 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

Tgt Ion:164 Resp: 6322

Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.7	154.1
129	92.4	75.6	113.4
131	84.8	73.7	110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion:152 Resp: 169663

Ion	Ratio	Lower	Upper
152	100		
115	59.5	45.0	135.0
150	156.7	0.0	352.4

