

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045422.D
 Acq On : 24 Mar 2025 18:00
 Operator : JC/MD
 Sample : Q1608-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20250319

Quant Time: Mar 25 01:38:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

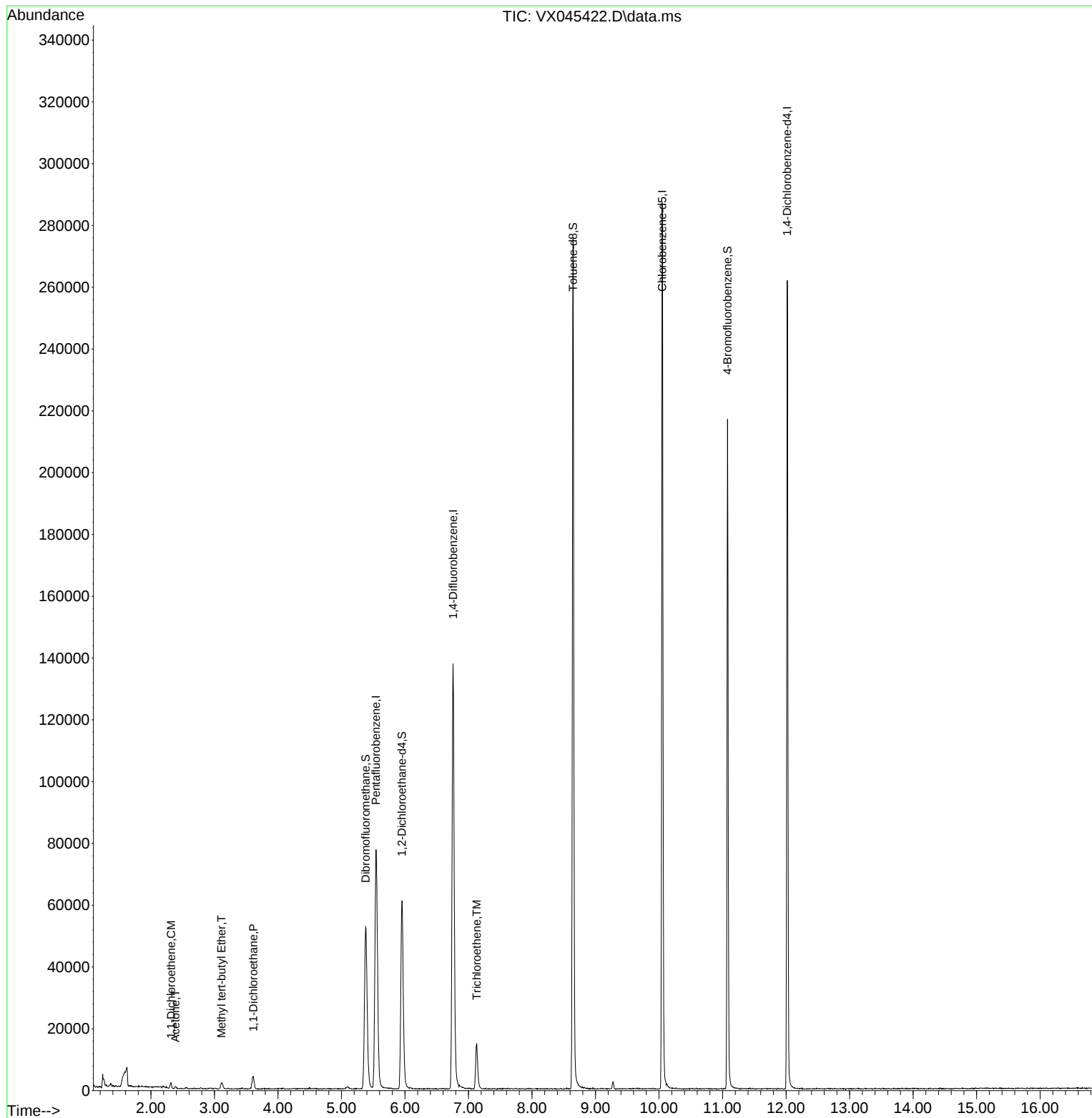
Internal Standards						
1) Pentafluorobenzene	5.544	168	67871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59840	55.429	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.860%
35) Dibromofluoromethane	5.379	113	45405	51.004	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.000%
50) Toluene-d8	8.647	98	155997	48.335	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.680%
62) 4-Bromofluorobenzene	11.079	95	54765	51.208	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.420%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	568	0.681	ug/l	98
16) Acetone	2.386	43	768	1.533	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	2141	0.765	ug/l	93
24) 1,1-Dichloroethane	3.611	63	4647	2.746	ug/l	98
44) Trichloroethene	7.129	130	5695	6.291	ug/l	93

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

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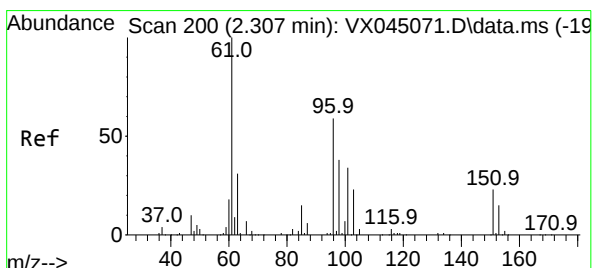
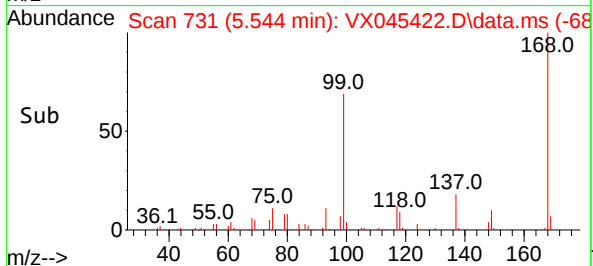
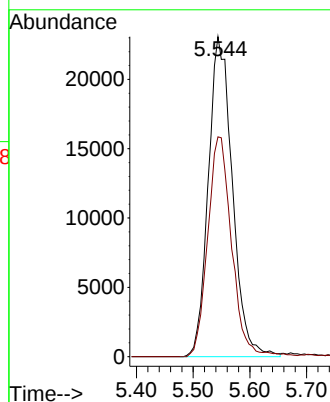
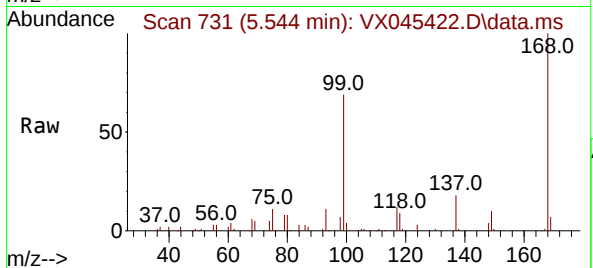




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

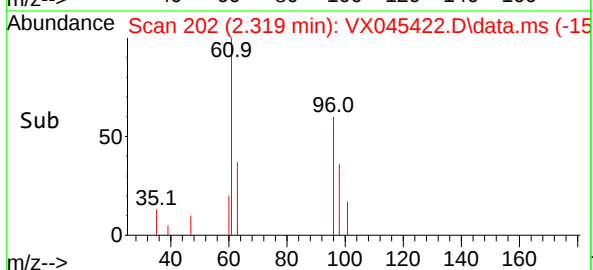
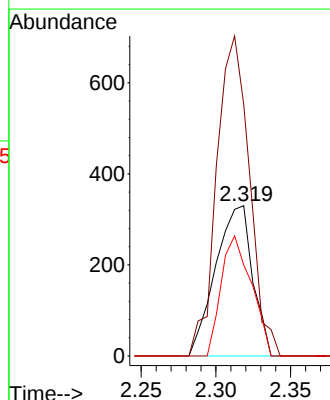
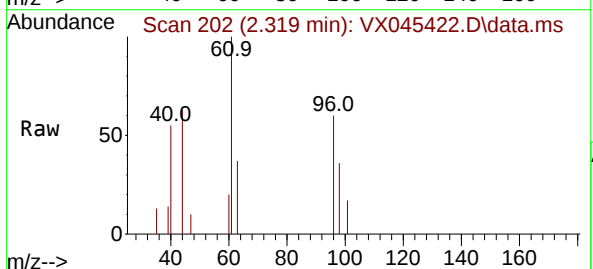
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

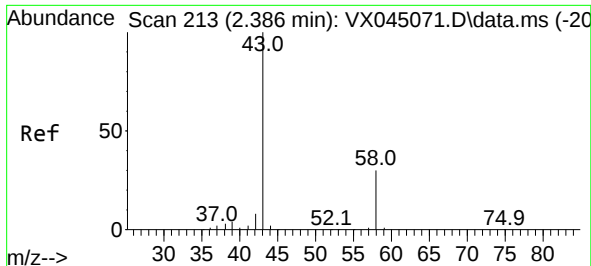
Tgt Ion:168 Resp: 67871
Ion Ratio Lower Upper
168 100
99 68.7 48.2 72.4



#12
1,1-Dichloroethene
Concen: 0.681 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.012 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion: 96 Resp: 568
Ion Ratio Lower Upper
96 100
61 167.6 134.6 202.0
98 60.6 51.0 76.6

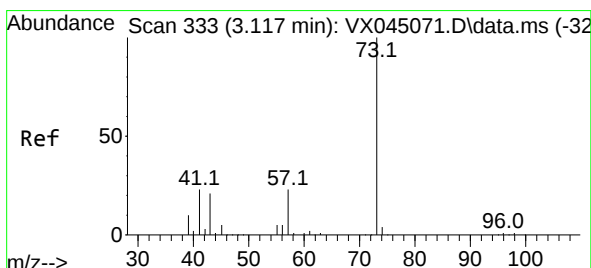
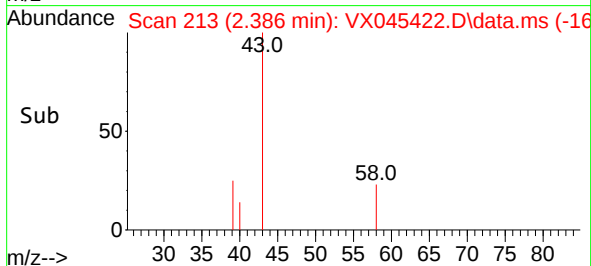
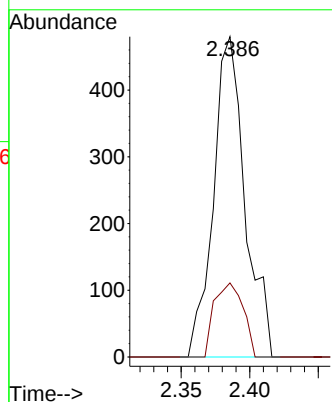
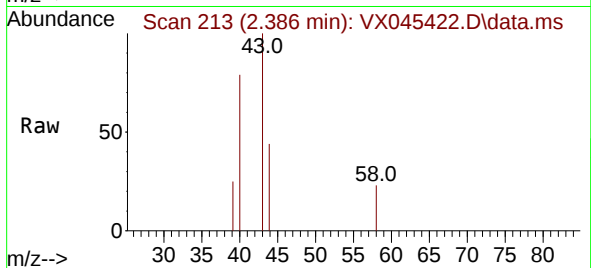




#16
Acetone
Concen: 1.533 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

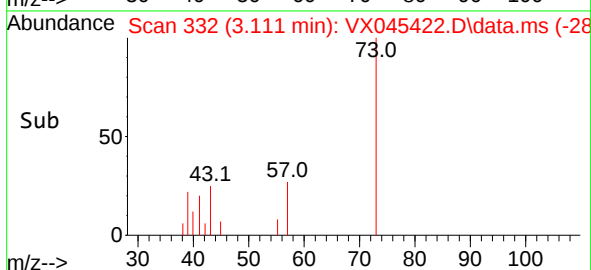
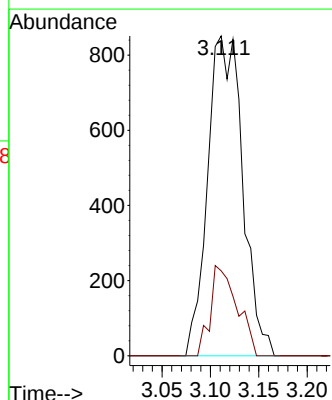
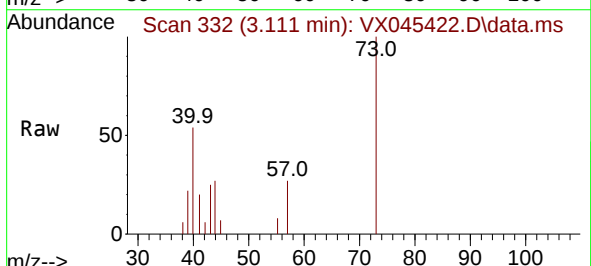
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

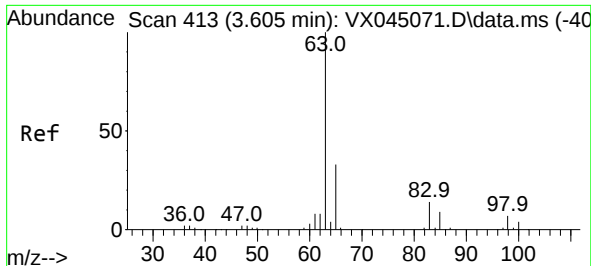
Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
58 23.1 24.2 36.4#



#19
Methyl tert-butyl Ether
Concen: 0.765 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion: 73 Resp: 2141
Ion Ratio Lower Upper
73 100
57 26.6 18.5 27.7





#24

1,1-Dichloroethane

Concen: 2.746 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX045422.D

Acq: 24 Mar 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20250319

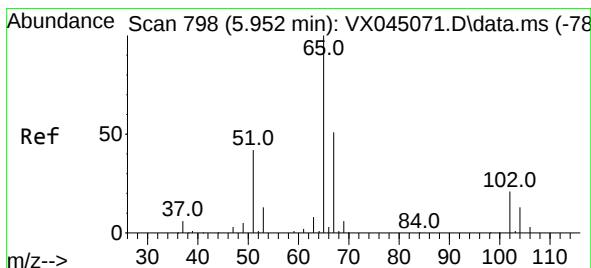
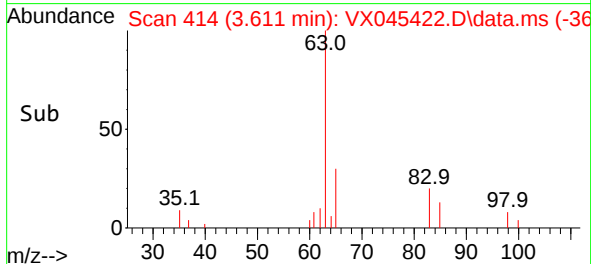
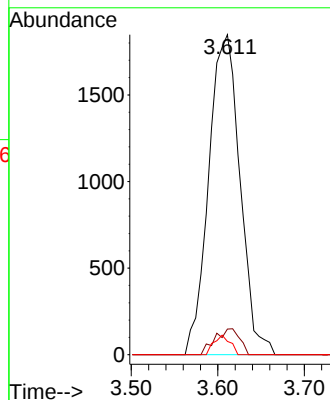
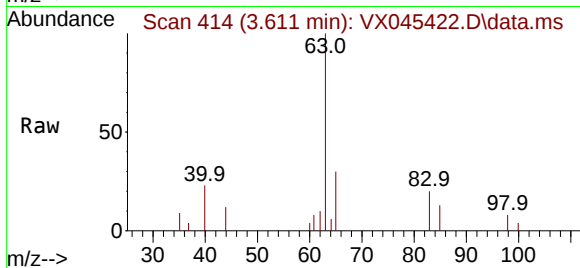
Tgt Ion: 63 Resp: 4647

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.2

100 4.2 2.1 6.5



#33

1,2-Dichloroethane-d4

Concen: 55.429 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045422.D

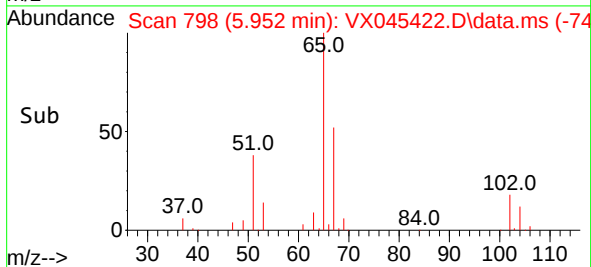
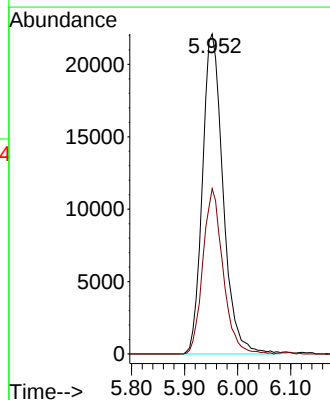
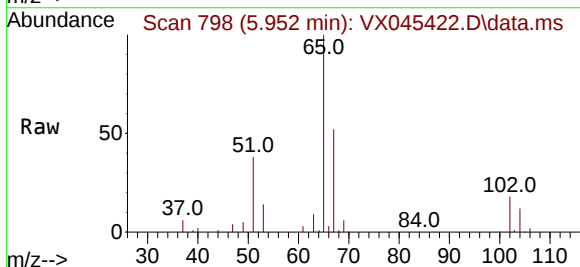
Acq: 24 Mar 2025 18:00

Tgt Ion: 65 Resp: 59840

Ion Ratio Lower Upper

65 100

67 50.3 0.0 106.2

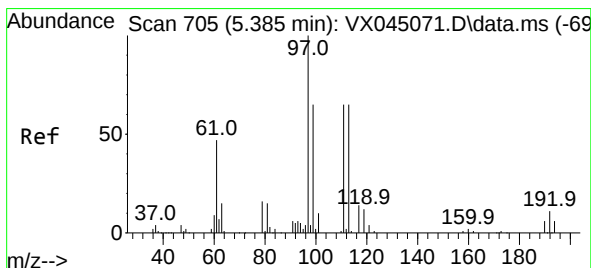
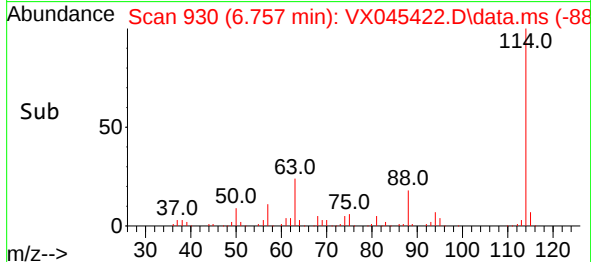
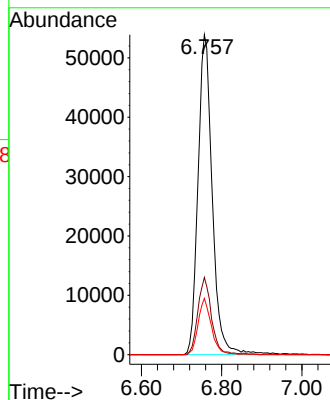
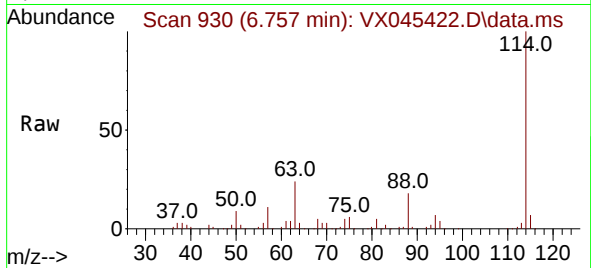




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045422.D
 Acq: 24 Mar 2025 18:00

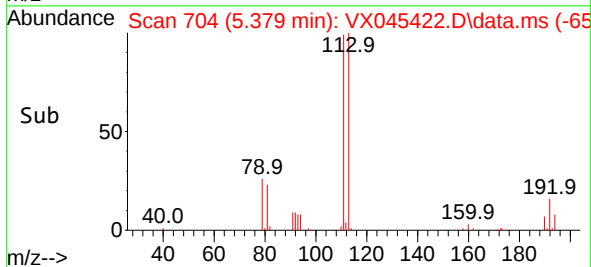
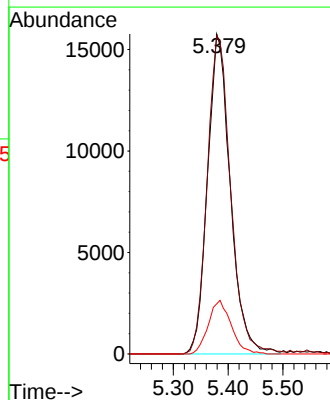
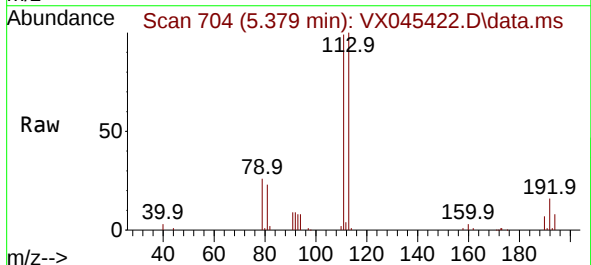
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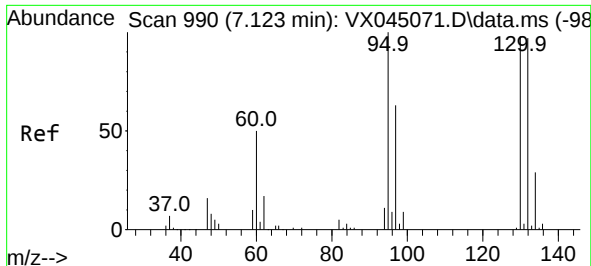
Tgt Ion:114 Resp: 133134
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 41.8
 88 17.6 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 51.004 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX045422.D
 Acq: 24 Mar 2025 18:00

Tgt Ion:113 Resp: 45405
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.6
 192 16.9 14.3 21.5

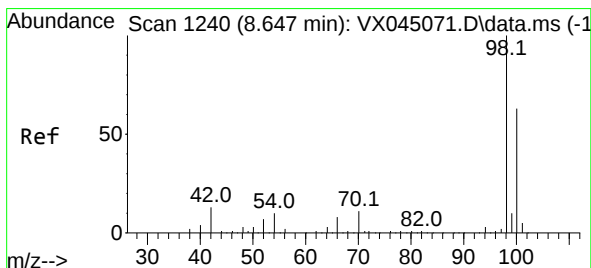
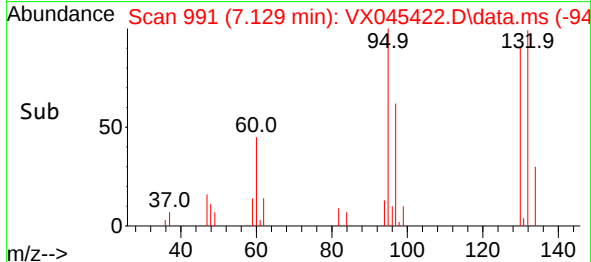
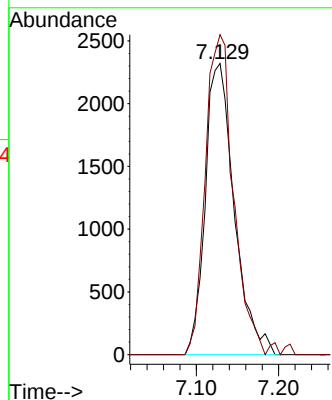
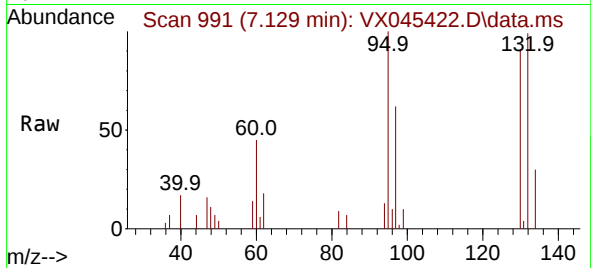




#44
 Trichloroethene
 Concen: 6.291 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX045422.D
 Acq: 24 Mar 2025 18:00

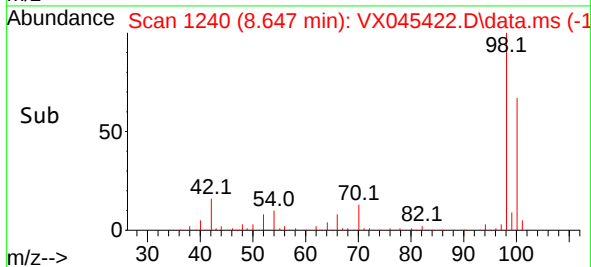
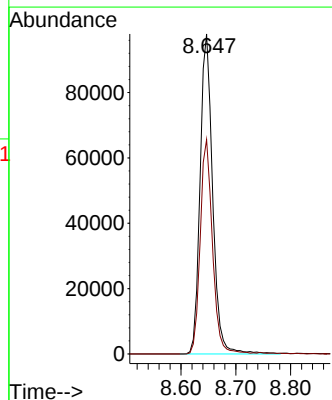
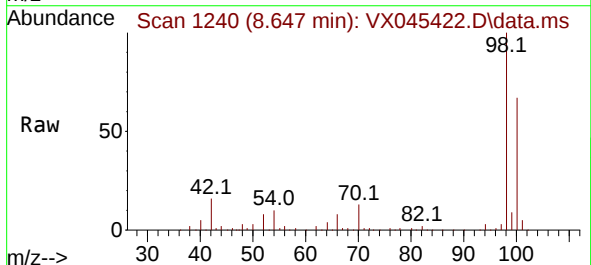
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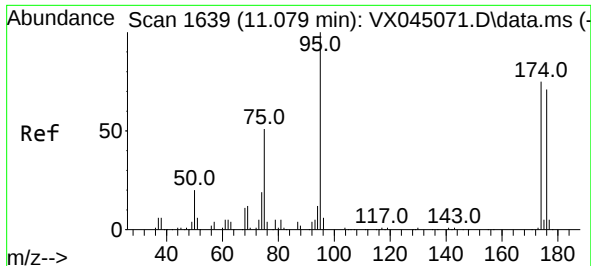
Tgt Ion:130 Resp: 5695
 Ion Ratio Lower Upper
 130 100
 95 109.9 0.0 205.0



#50
 Toluene-d8
 Concen: 48.335 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX045422.D
 Acq: 24 Mar 2025 18:00

Tgt Ion: 98 Resp: 155997
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.0 78.0

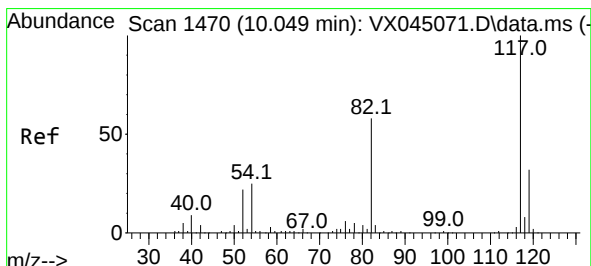
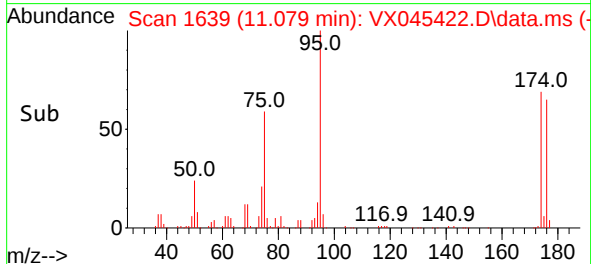
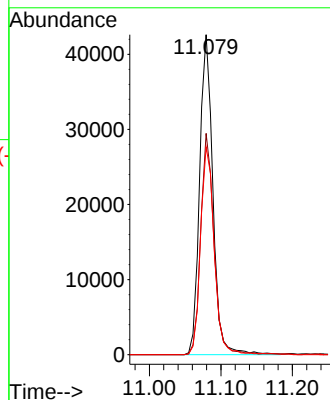
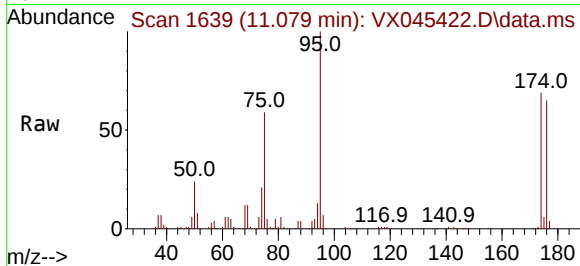




#62
4-Bromofluorobenzene
Concen: 51.208 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

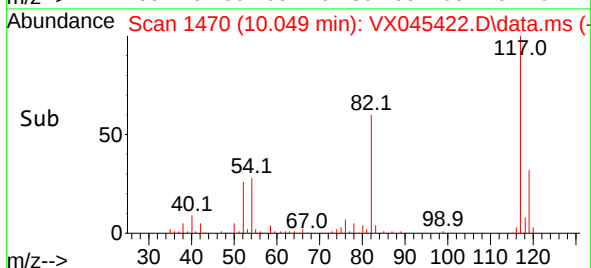
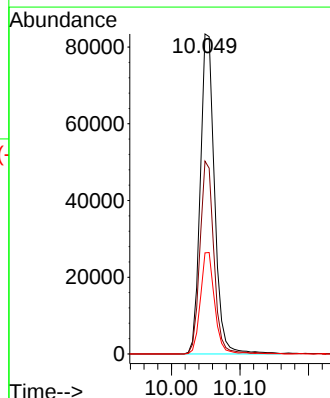
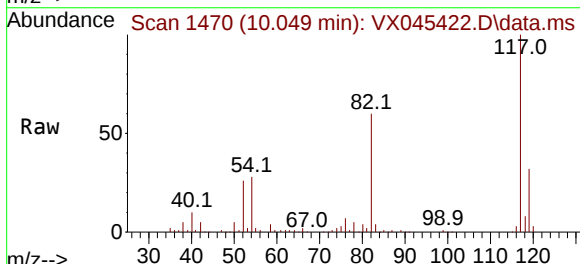
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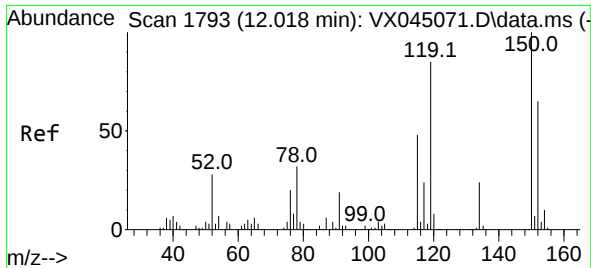
Tgt Ion: 95 Resp: 54765
Ion Ratio Lower Upper
95 100
174 69.0 0.0 148.2
176 67.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

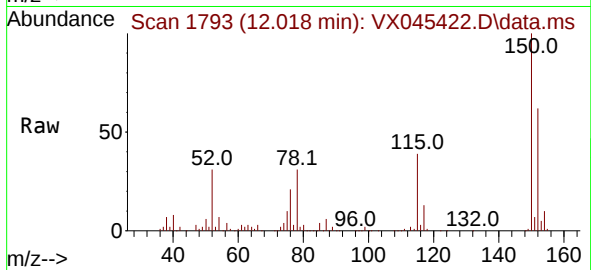
Tgt Ion: 117 Resp: 121041
Ion Ratio Lower Upper
117 100
82 60.2 46.3 69.5
119 31.6 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045422.D
 Acq: 24 Mar 2025 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20250319



Tgt Ion:152 Resp: 49396
 Ion Ratio Lower Upper
 152 100
 115 63.1 44.2 132.6
 150 158.7 0.0 349.0

