

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
 Data File : VX045395.D
 Acq On : 21 Mar 2025 17:58
 Operator : JC/MD
 Sample : Q1608-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20250317

Quant Time: Mar 21 23:19:09 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)

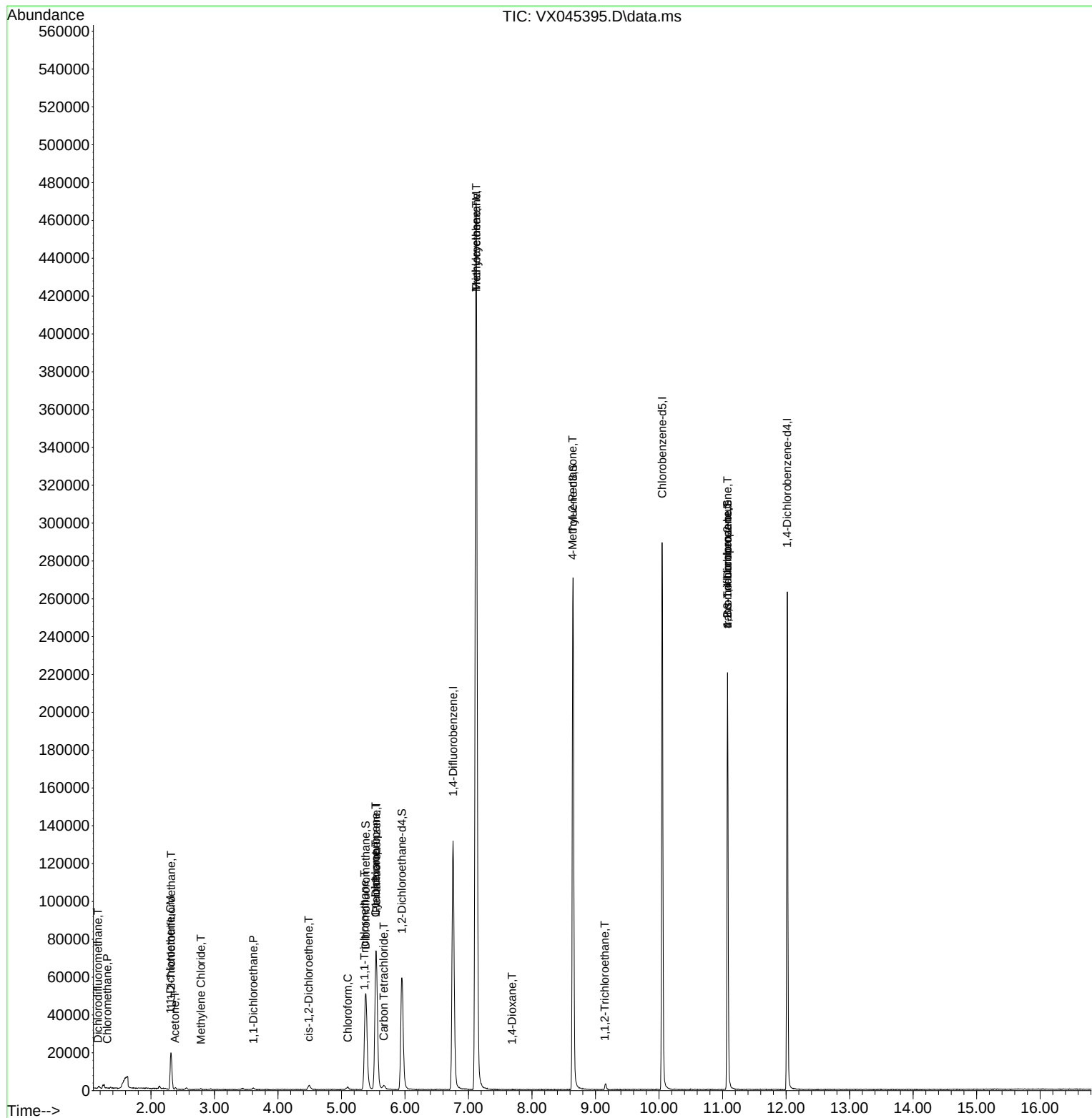
Internal Standards						
1) Pentafluorobenzene	5.550	168	64859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60475	58.618	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.240%
35) Dibromofluoromethane	5.379	113	45469	53.674	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.340%
50) Toluene-d8	8.647	98	159439	51.915	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.820%
62) 4-Bromofluorobenzene	11.079	95	56422	55.441	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	210	0.257	ug/l #	40
3) Chloromethane	1.313	50	393	0.393	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	4830	6.407	ug/l	98
12) 1,1-Dichloroethene	2.306	96	2902	3.641	ug/l	92
16) Acetone	2.379	43	766	1.600	ug/l #	77
20) Methylene Chloride	2.788	84	203	0.214	ug/l #	49
24) 1,1-Dichloroethane	3.611	63	1037	0.641	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	1453	1.495	ug/l	94
30) Chloroform	5.098	83	1533	0.954	ug/l #	78
31) Cyclohexane	5.537	56	1945	1.386	ug/l #	59
32) 1,1,1-Trichloroethane	5.361	97	421	0.324	ug/l #	33
36) 1,1-Dichloropropene	5.537	75	6277	5.403	ug/l #	52
38) Carbon Tetrachloride	5.665	117	1758	1.491	ug/l #	76
39) Methylcyclohexane	7.123	83	2444	1.756	ug/l #	1
44) Trichloroethene	7.123	130	173186	201.048	ug/l	99
49) 1,4-Dioxane	7.683	88	19	0.811	ug/l #	23
51) 4-Methyl-2-Pentanone	8.641	43	876	0.589	ug/l #	1
55) 1,1,2-Trichloroethane	9.147	97	866	0.977	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	32112	28.241	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32112	96.645	ug/l #	6

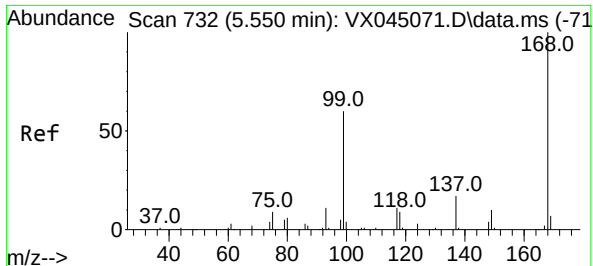
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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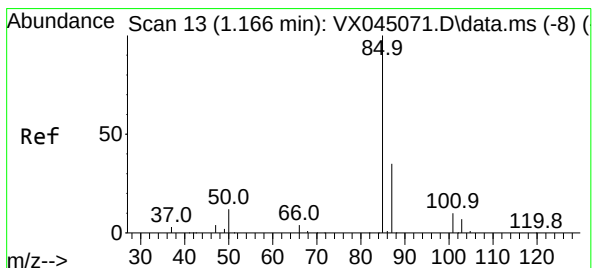
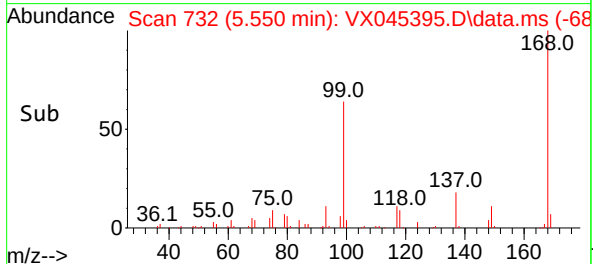
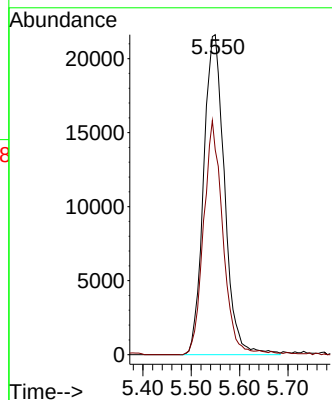
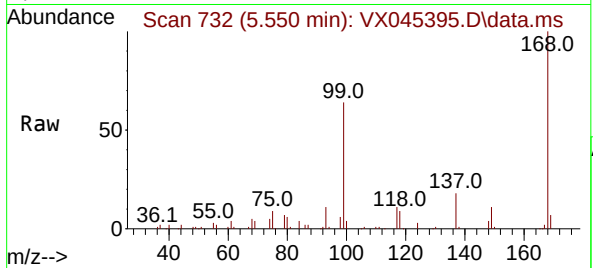




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

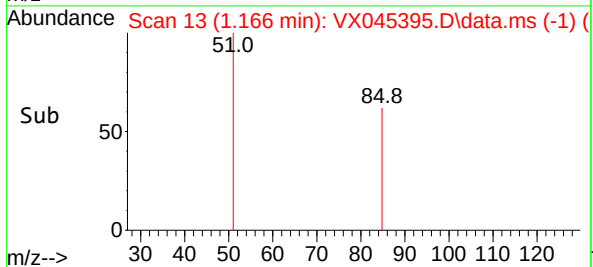
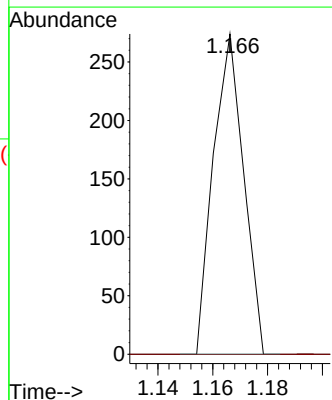
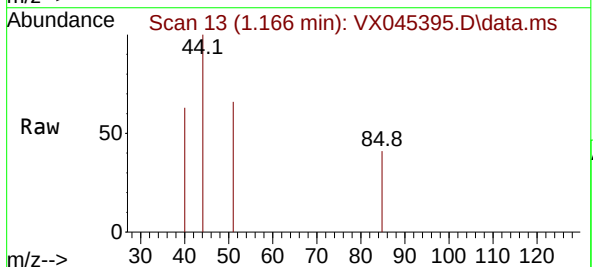
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

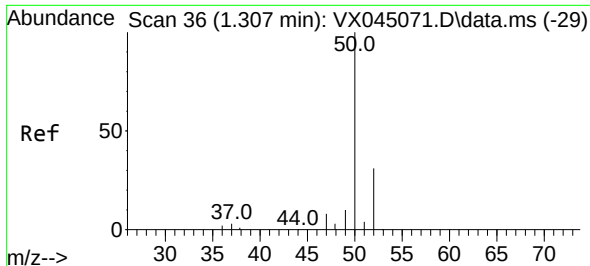
Tgt Ion:168 Resp: 64859
Ion Ratio Lower Upper
168 100
99 64.0 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.257 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 85 Resp: 210
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.3#

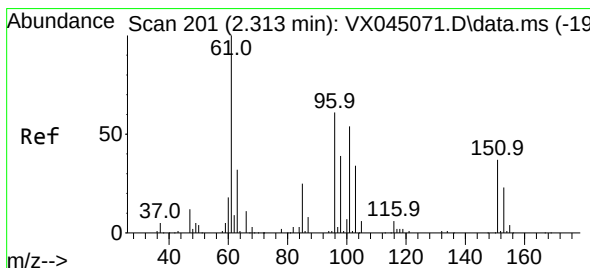
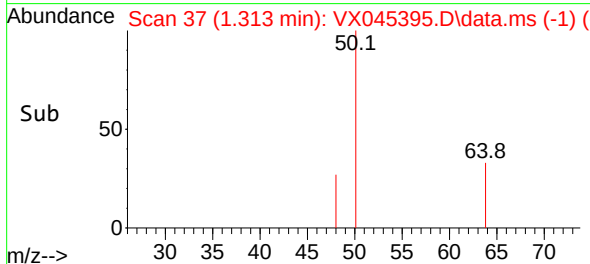
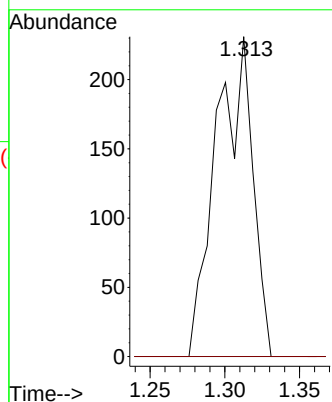
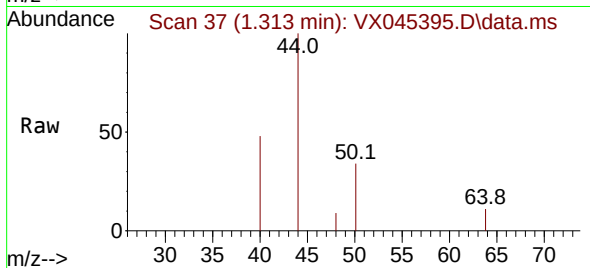




#3
Chloromethane
Concen: 0.393 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

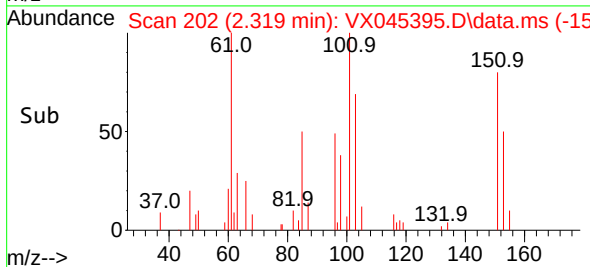
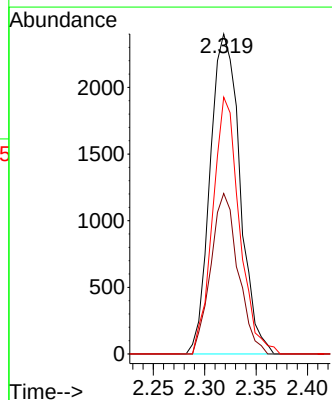
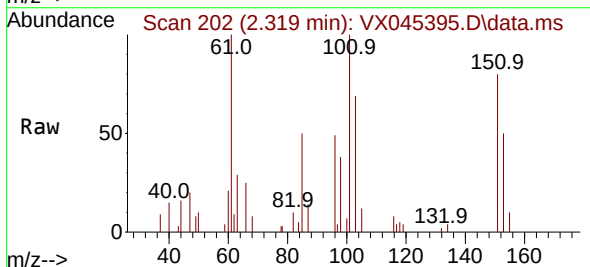
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

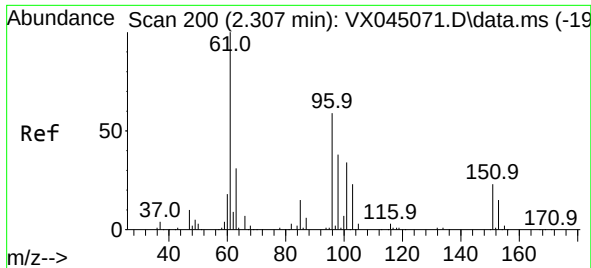
Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.407 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 101 Resp: 4830
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 72.1 56.4 84.6





#12

1,1-Dichloroethene

Concen: 3.641 ug/l

RT: 2.306 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX045395.D

Acq: 21 Mar 2025 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20250317

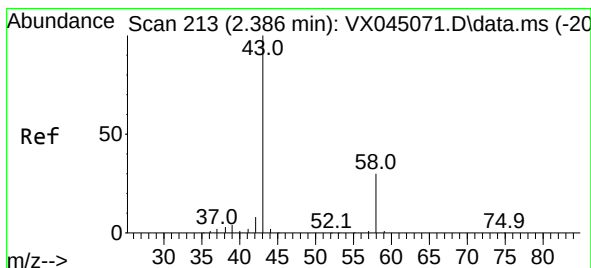
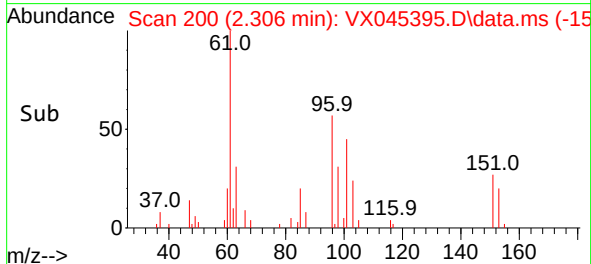
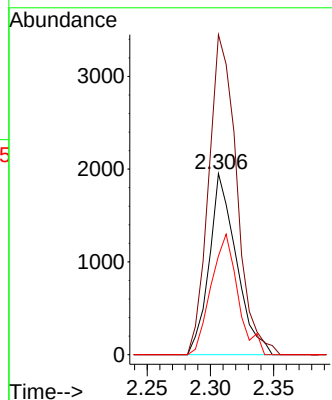
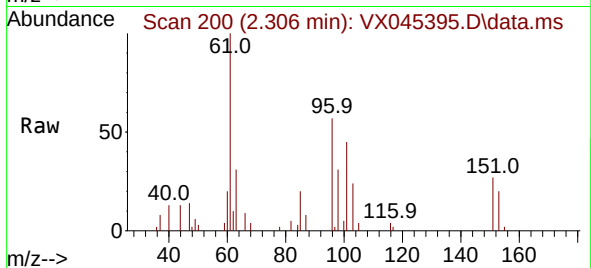
Tgt Ion: 96 Resp: 2902

Ion Ratio Lower Upper

96 100

61 176.7 134.6 202.0

98 54.5 51.0 76.6



#16

Acetone

Concen: 1.600 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045395.D

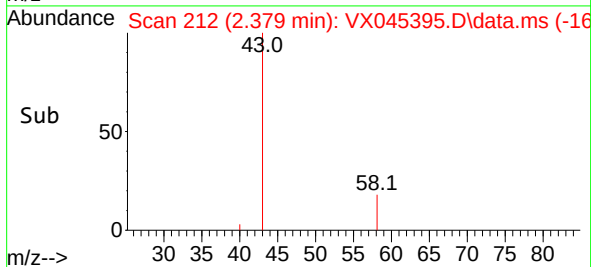
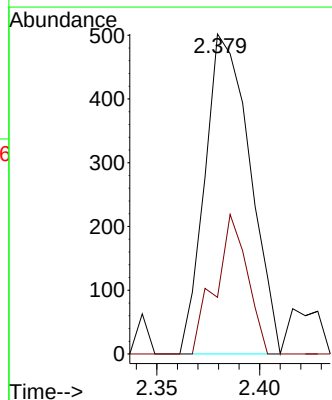
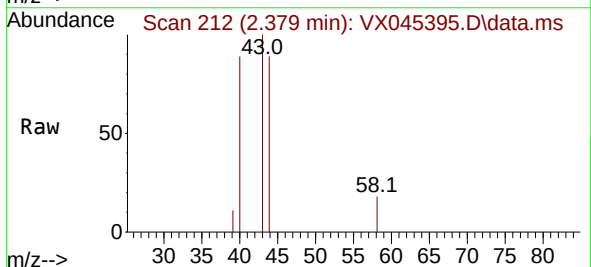
Acq: 21 Mar 2025 17:58

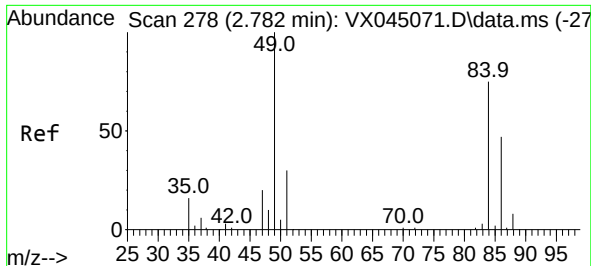
Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

58 17.7 24.2 36.4#





#20

Methylene Chloride

Concen: 0.214 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045395.D

Acq: 21 Mar 2025 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20250317

Tgt Ion: 84 Resp: 203

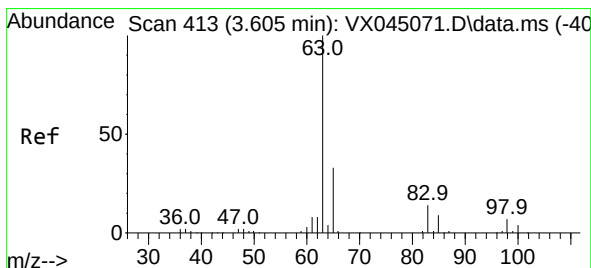
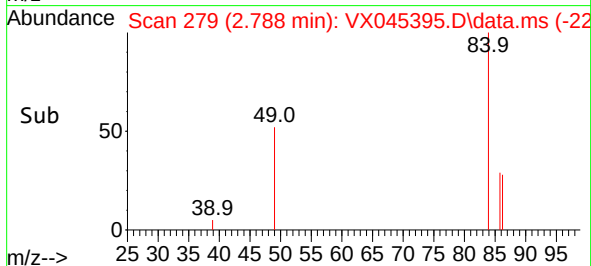
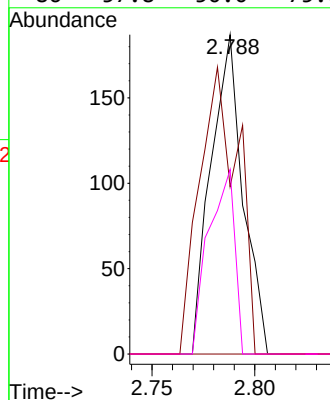
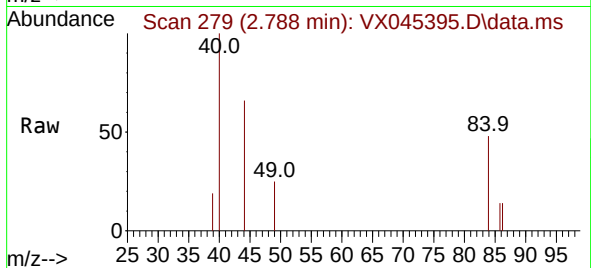
Ion Ratio Lower Upper

84 100

49 52.4 106.5 159.7#

51 0.0 32.1 48.1#

86 57.8 50.0 75.0



#24

1,1-Dichloroethane

Concen: 0.641 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX045395.D

Acq: 21 Mar 2025 17:58

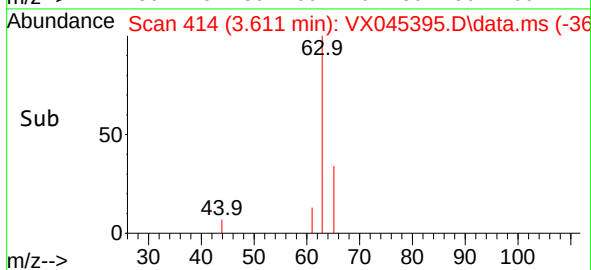
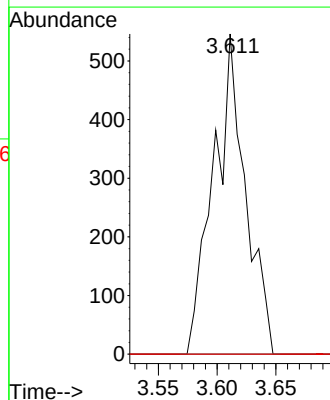
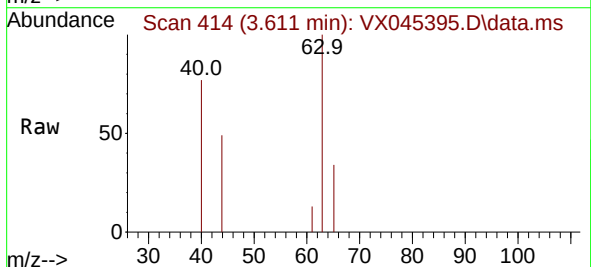
Tgt Ion: 63 Resp: 1037

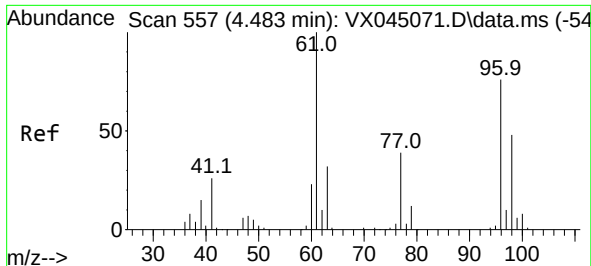
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 1.495 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045395.D

Acq: 21 Mar 2025 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20250317

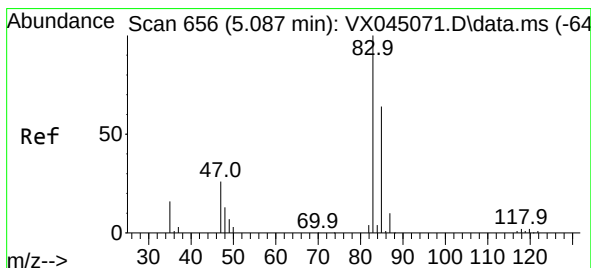
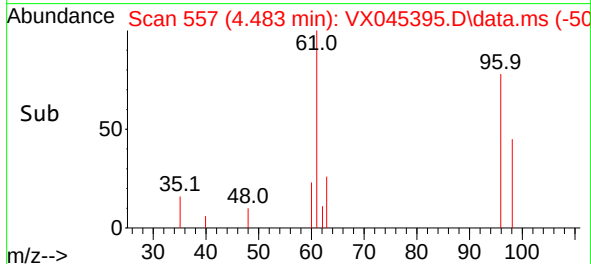
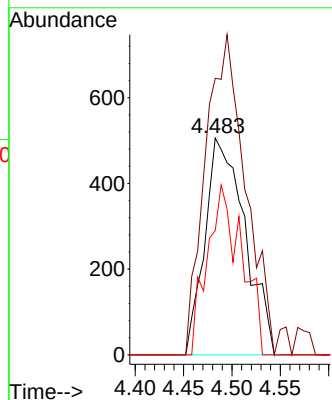
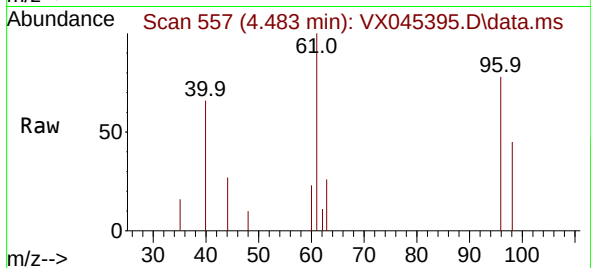
Tgt Ion: 96 Resp: 1453

Ion Ratio Lower Upper

96 100

61 149.9 0.0 283.2

98 67.7 0.0 128.0



#30

Chloroform

Concen: 0.954 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX045395.D

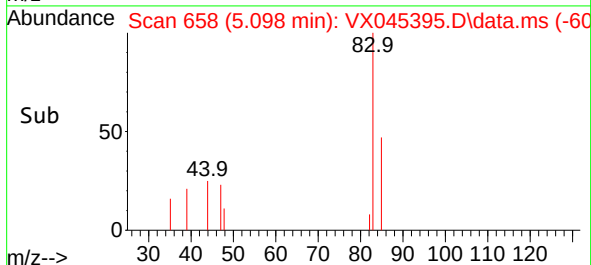
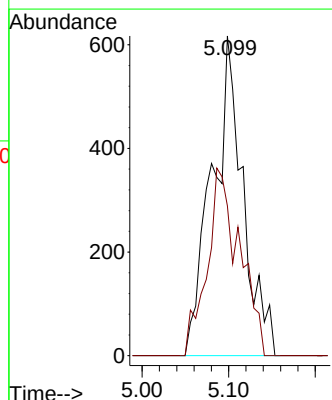
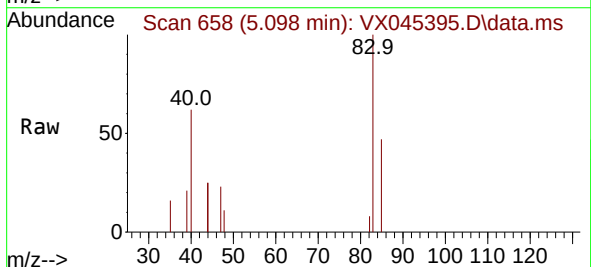
Acq: 21 Mar 2025 17:58

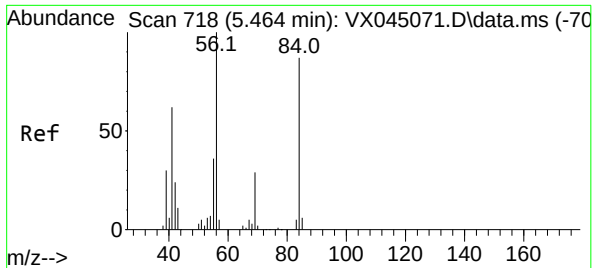
Tgt Ion: 83 Resp: 1533

Ion Ratio Lower Upper

83 100

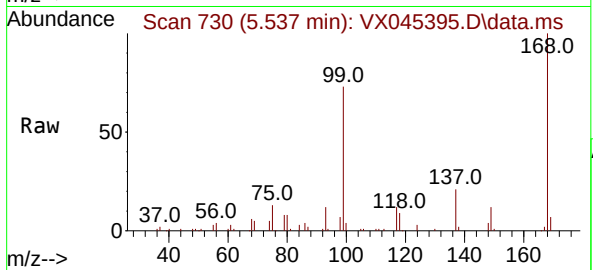
85 46.8 51.4 77.2#



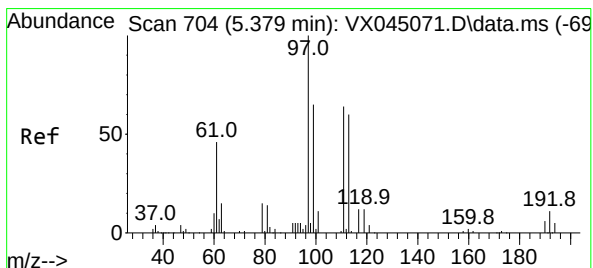
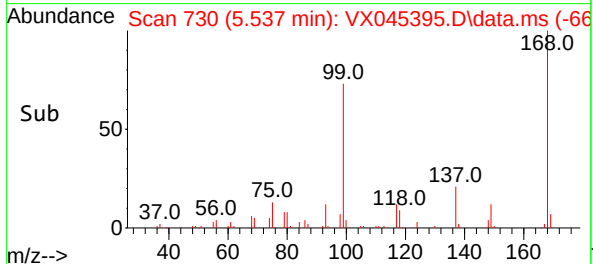
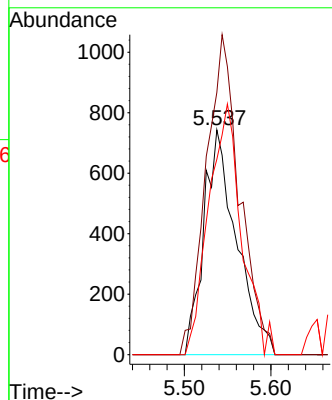


#31
Cyclohexane
Concen: 1.386 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

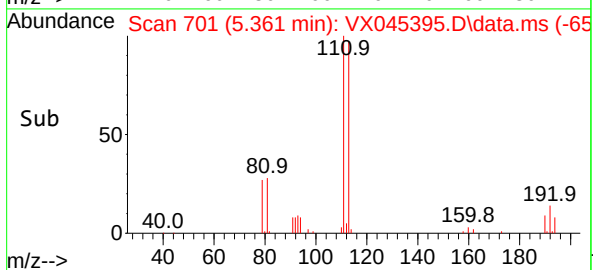
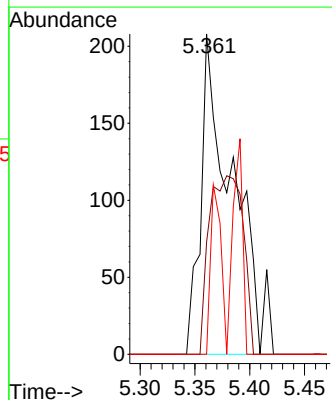
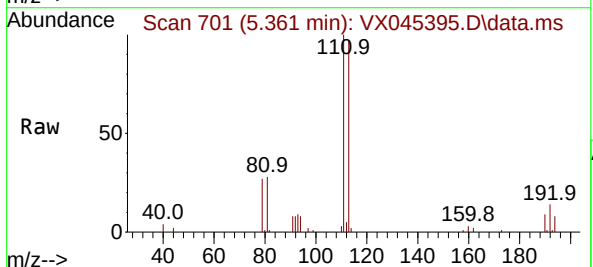


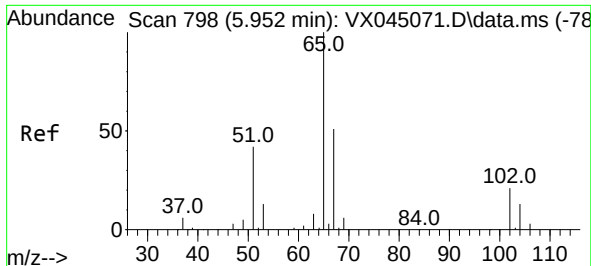
Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 116.7 23.4 35.2#
84 86.9 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 0.324 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.018 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 97 Resp: 421
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 16.9 38.4 57.6#

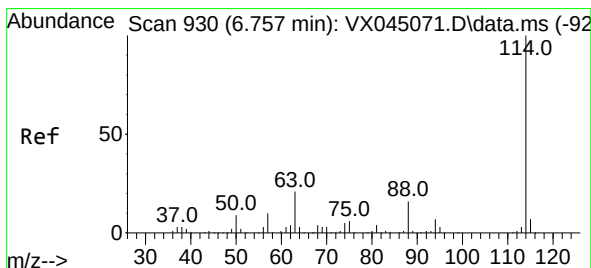
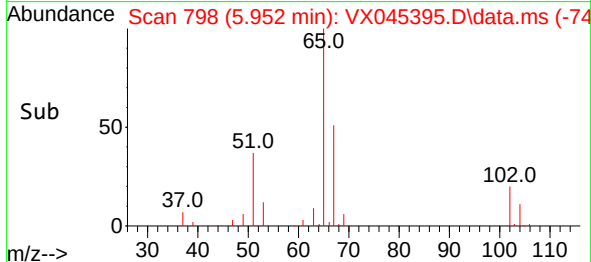
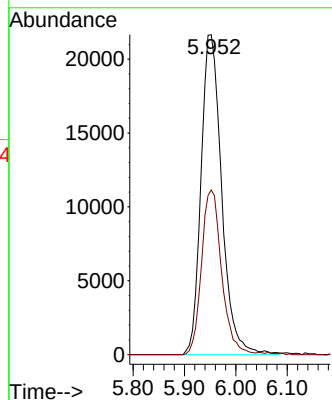
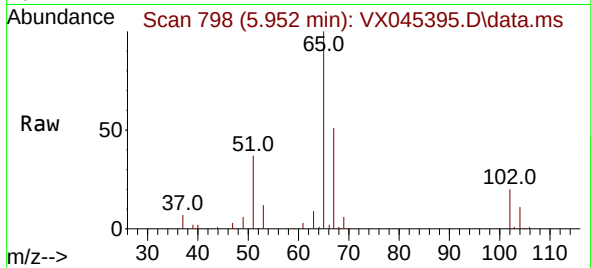




#33
 1,2-Dichloroethane-d4
 Concen: 58.618 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045395.D
 Acq: 21 Mar 2025 17:58

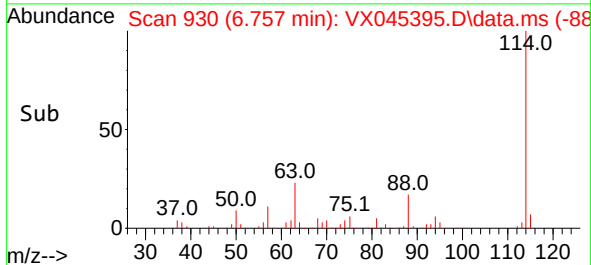
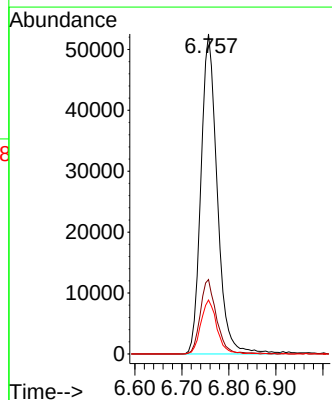
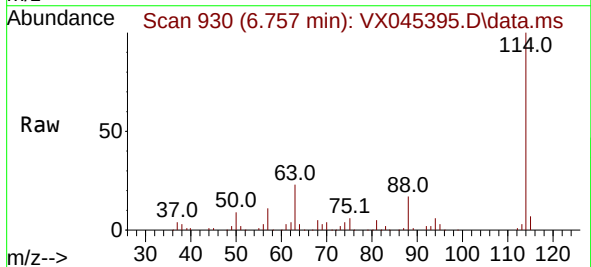
Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20250317

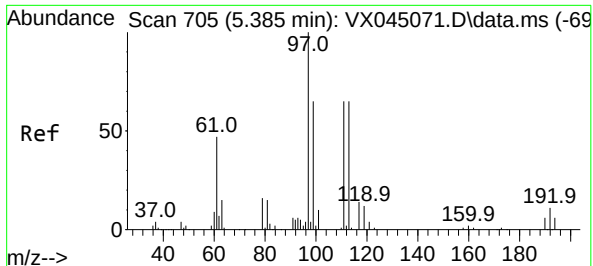
Tgt Ion: 65 Resp: 60475
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045395.D
 Acq: 21 Mar 2025 17:58

Tgt Ion: 114 Resp: 126689
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 41.8
 88 16.8 0.0 32.8

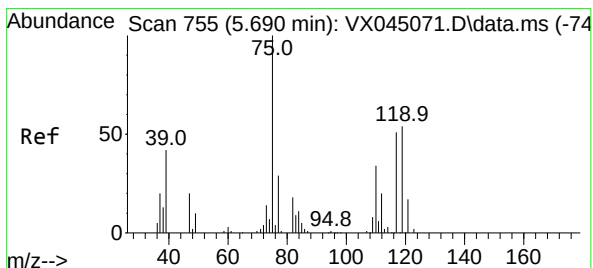
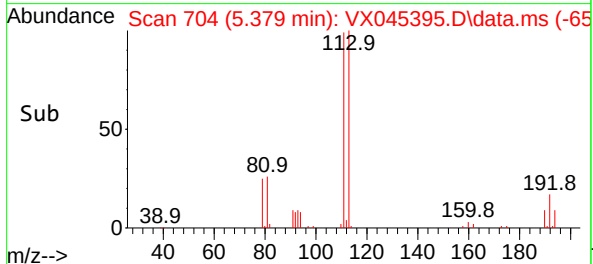
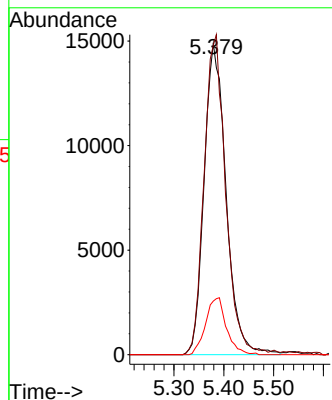
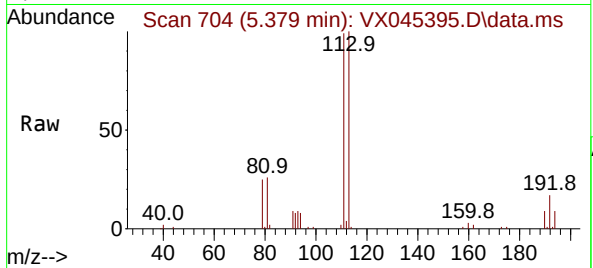




#35
Dibromofluoromethane
Concen: 53.674 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

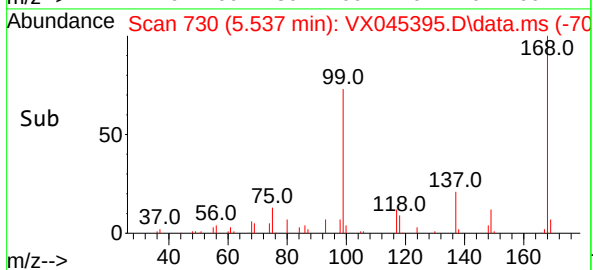
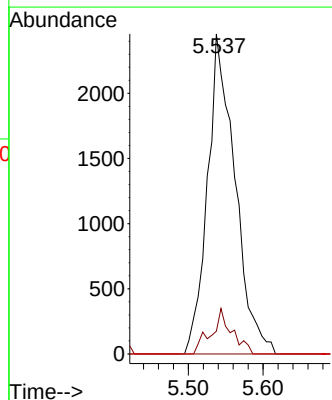
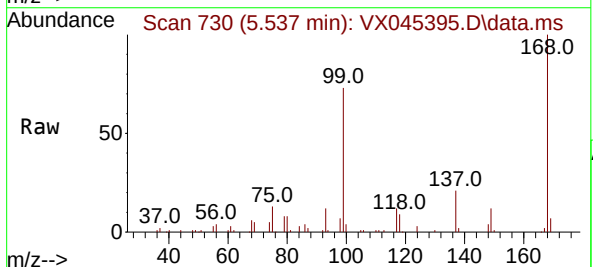
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

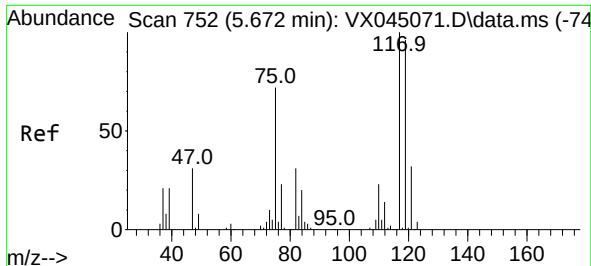
Tgt Ion:	113	Resp:	45469
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	17.4	14.3	21.5



#36
1,1-Dichloropropene
Concen: 5.403 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion:	75	Resp:	6277
Ion	Ratio	Lower	Upper
75	100		
110	10.7	16.9	50.6#
77	0.0	24.5	36.7#

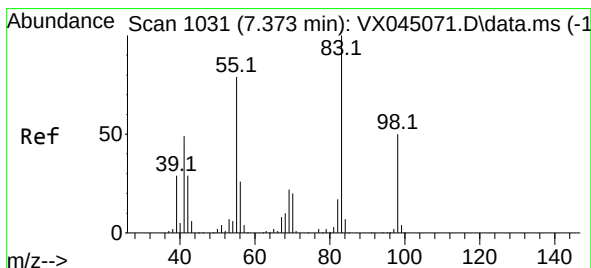
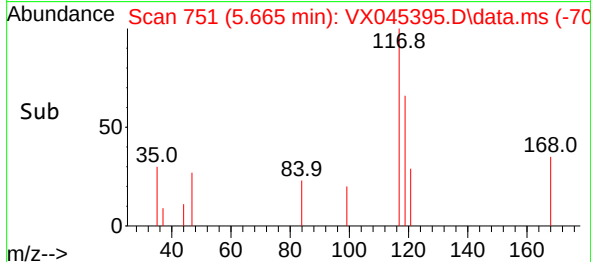
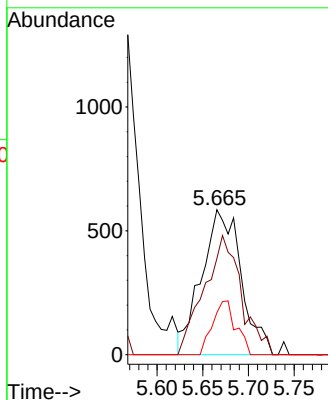
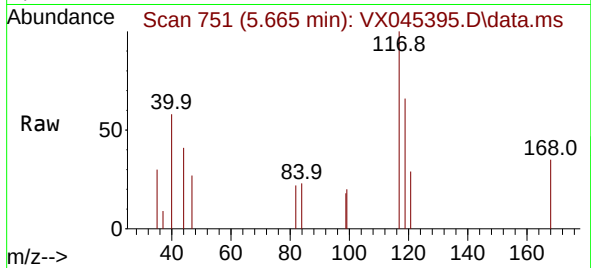




#38
Carbon Tetrachloride
Concen: 1.491 ug/l
RT: 5.665 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

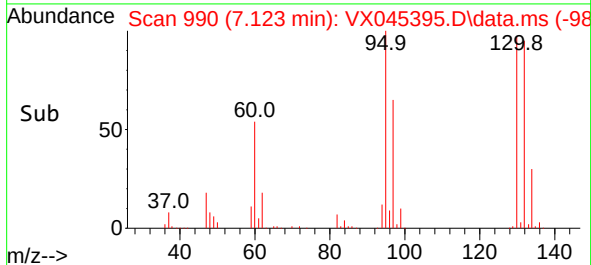
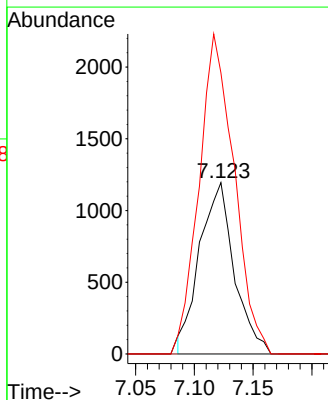
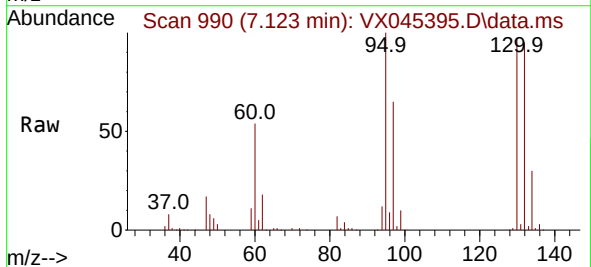
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

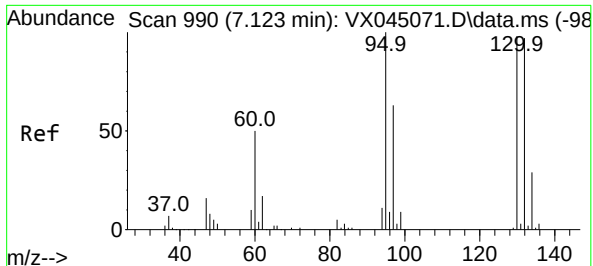
Tgt Ion:117 Resp: 1758
Ion Ratio Lower Upper
117 100
119 66.5 76.7 115.1#
121 29.1 25.5 38.3



#39
Methylcyclohexane
Concen: 1.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 83 Resp: 2444
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 164.0 39.7 59.5#

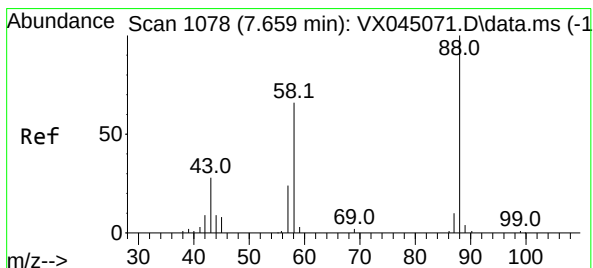
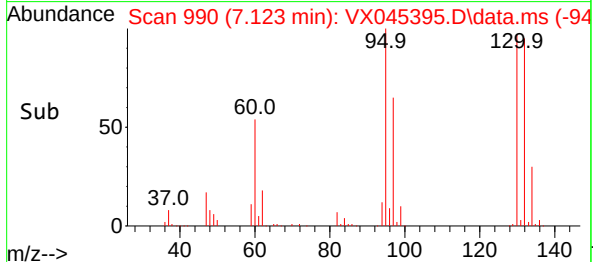
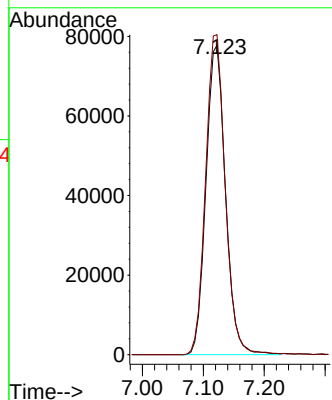
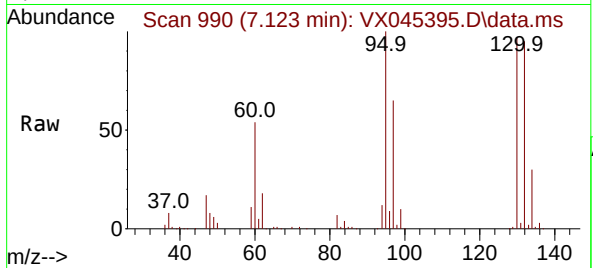




#44
Trichloroethene
Concen: 201.048 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

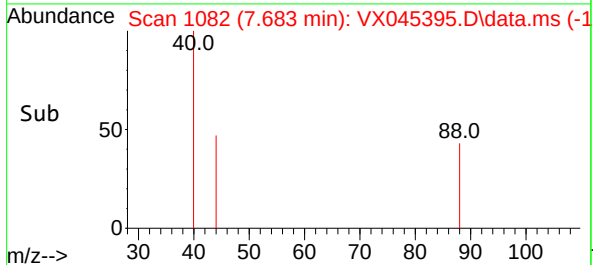
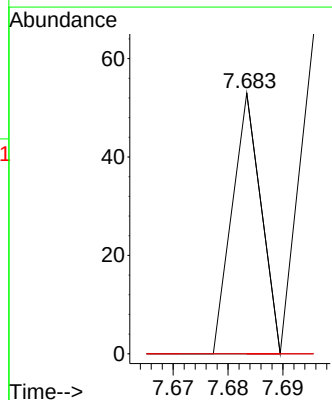
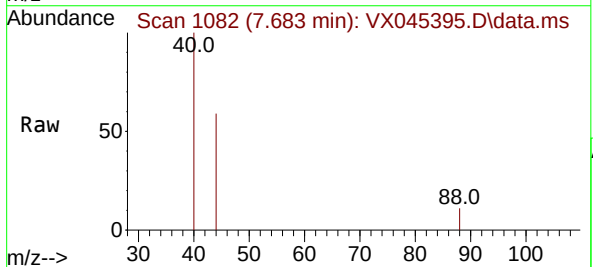
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

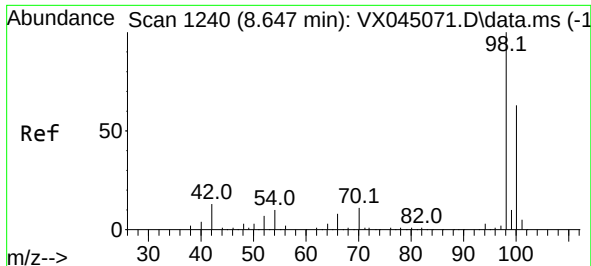
Tgt Ion:130 Resp: 173186
Ion Ratio Lower Upper
130 100
95 103.5 0.0 205.0



#49
1,4-Dioxane
Concen: 0.811 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#

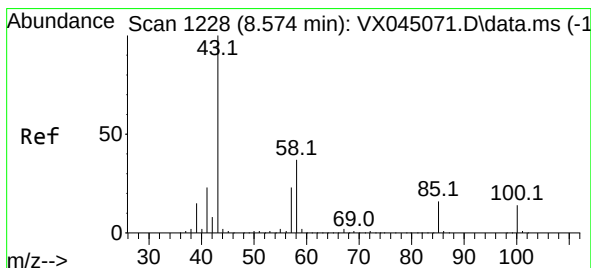
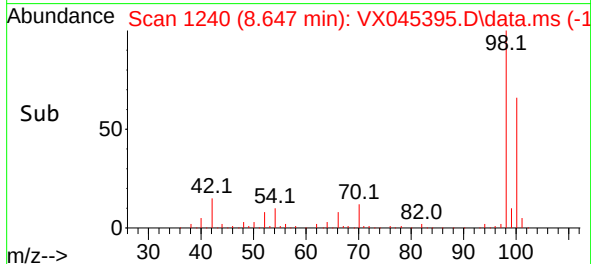
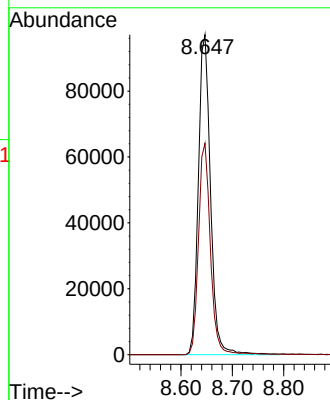
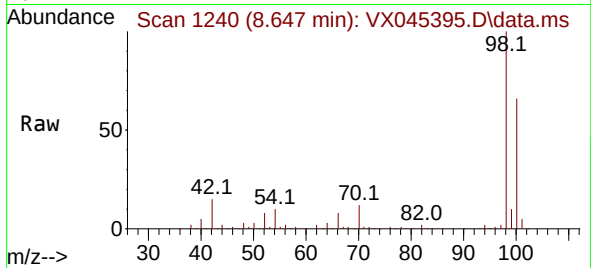




#50
Toluene-d8
Concen: 51.915 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

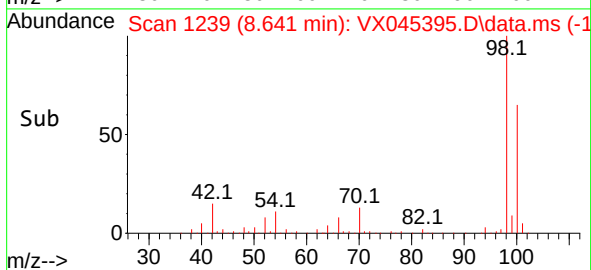
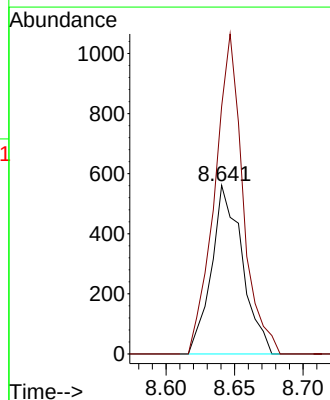
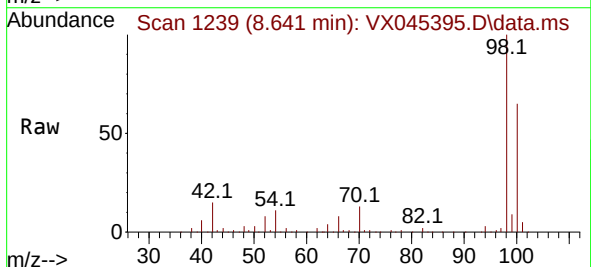
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

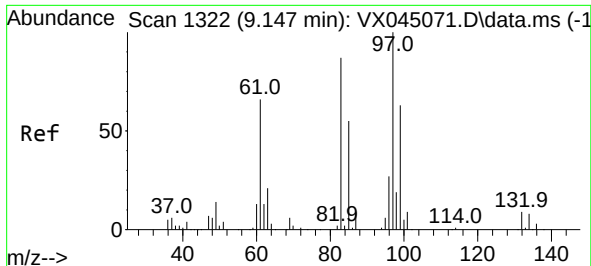
Tgt Ion: 98 Resp: 159439
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.589 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 174.3 29.2 43.8#

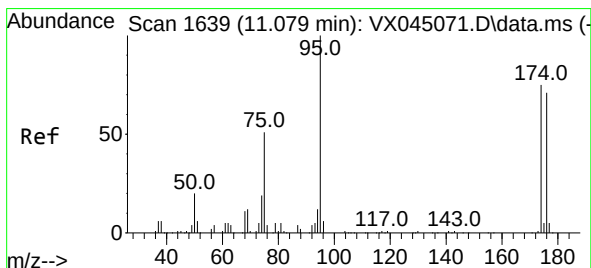
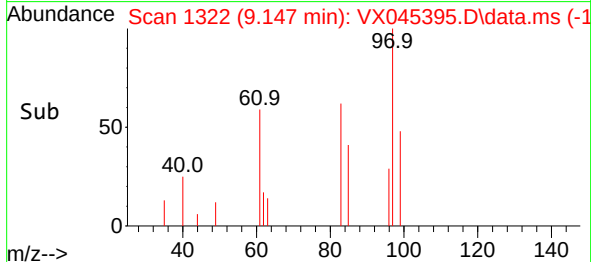
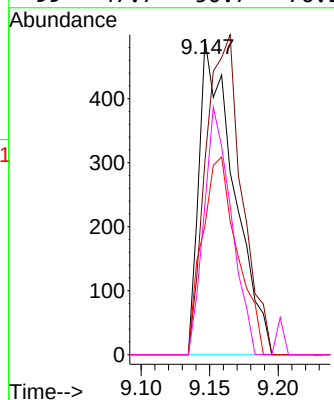
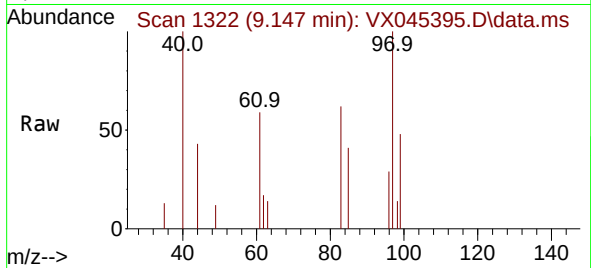




#55
1,1,2-Trichloroethane
Concen: 0.977 ug/l
RT: 9.147 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

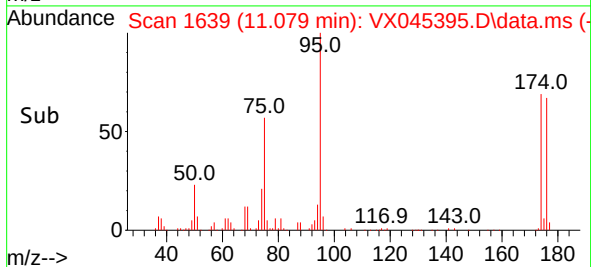
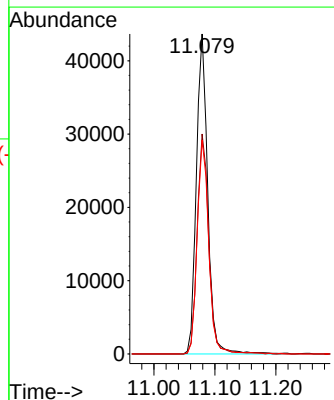
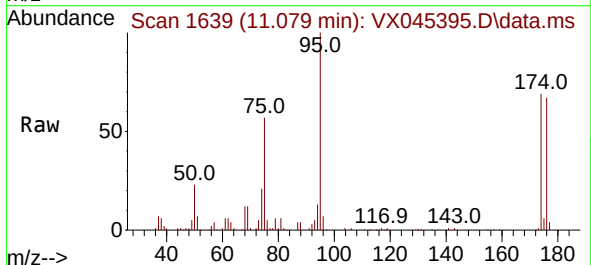
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

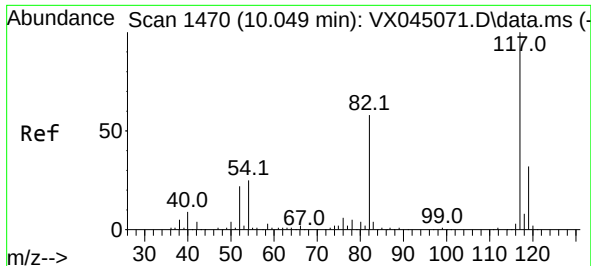
Tgt Ion:	97	Resp:	866
Ion	Ratio	Lower	Upper
97	100		
83	61.7	69.4	104.2#
85	41.0	44.1	66.1#
99	47.7	50.7	76.1#



#62
4-Bromofluorobenzene
Concen: 55.441 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion:	95	Resp:	56422
Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	67.9	0.0	141.4

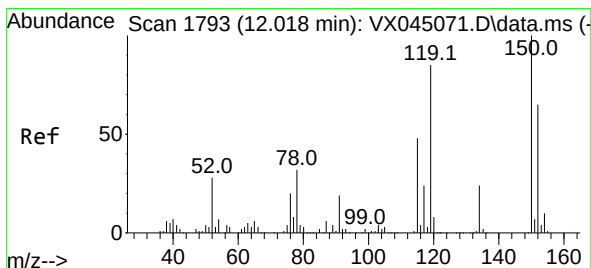
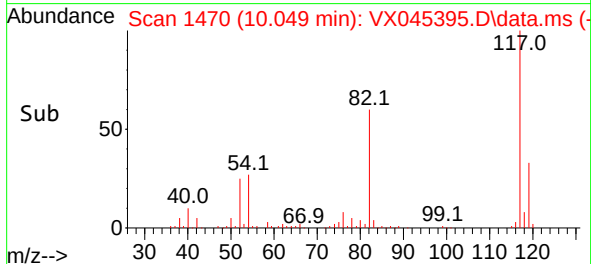
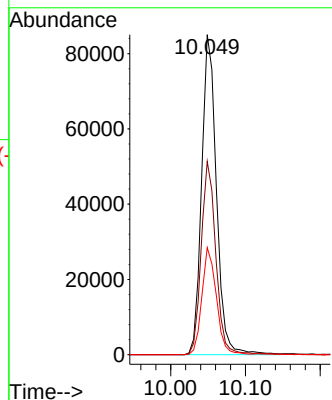
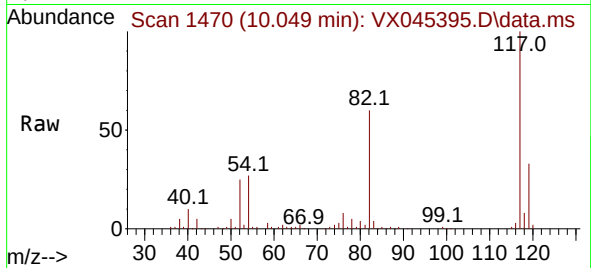




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

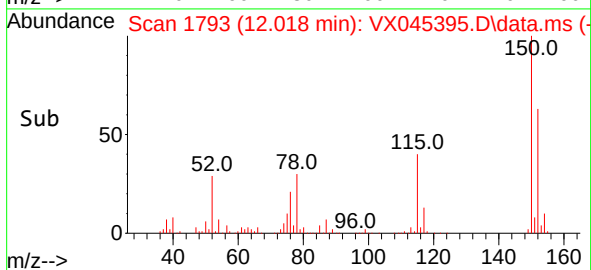
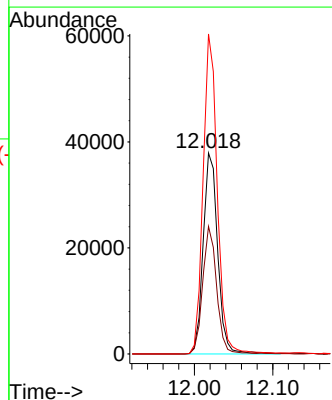
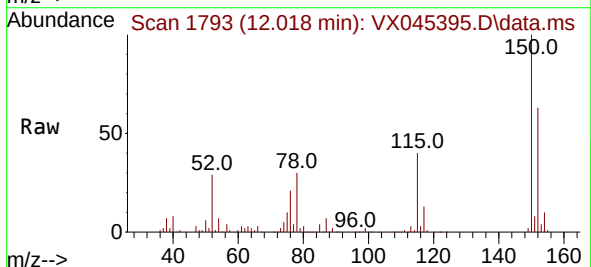
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

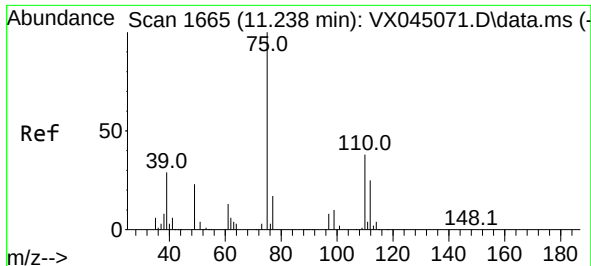
Tgt Ion:117 Resp: 117104
Ion Ratio Lower Upper
117 100
82 60.4 46.3 69.5
119 33.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion:152 Resp: 48854
Ion Ratio Lower Upper
152 100
115 60.9 44.2 132.6
150 155.4 0.0 349.0

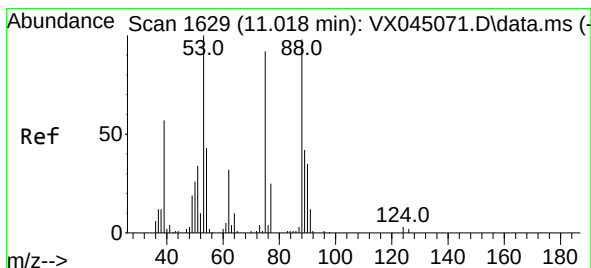
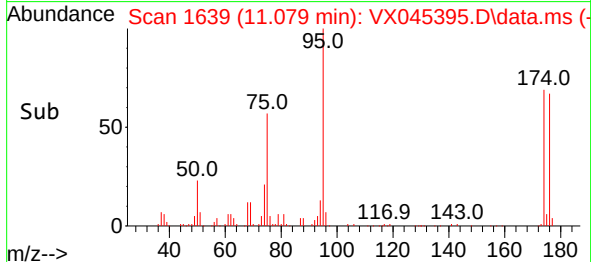
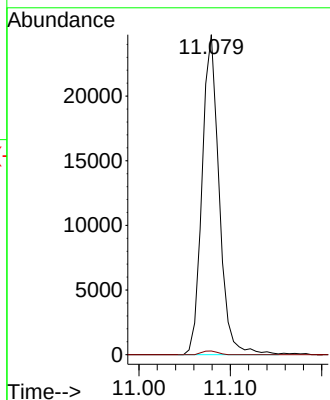
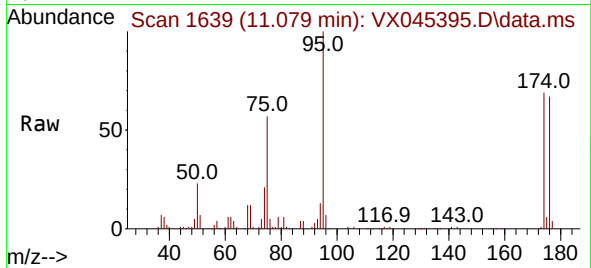




#76
1,2,3-Trichloropropane
Concen: 28.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion: 75 Resp: 32112
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.645 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 75 Resp: 32112
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

