

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
 Data File : VX045321.D
 Acq On : 18 Mar 2025 13:41
 Operator : JC/MD
 Sample : Q1559-04DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20250310DL

Quant Time: Mar 19 01:43:59 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)

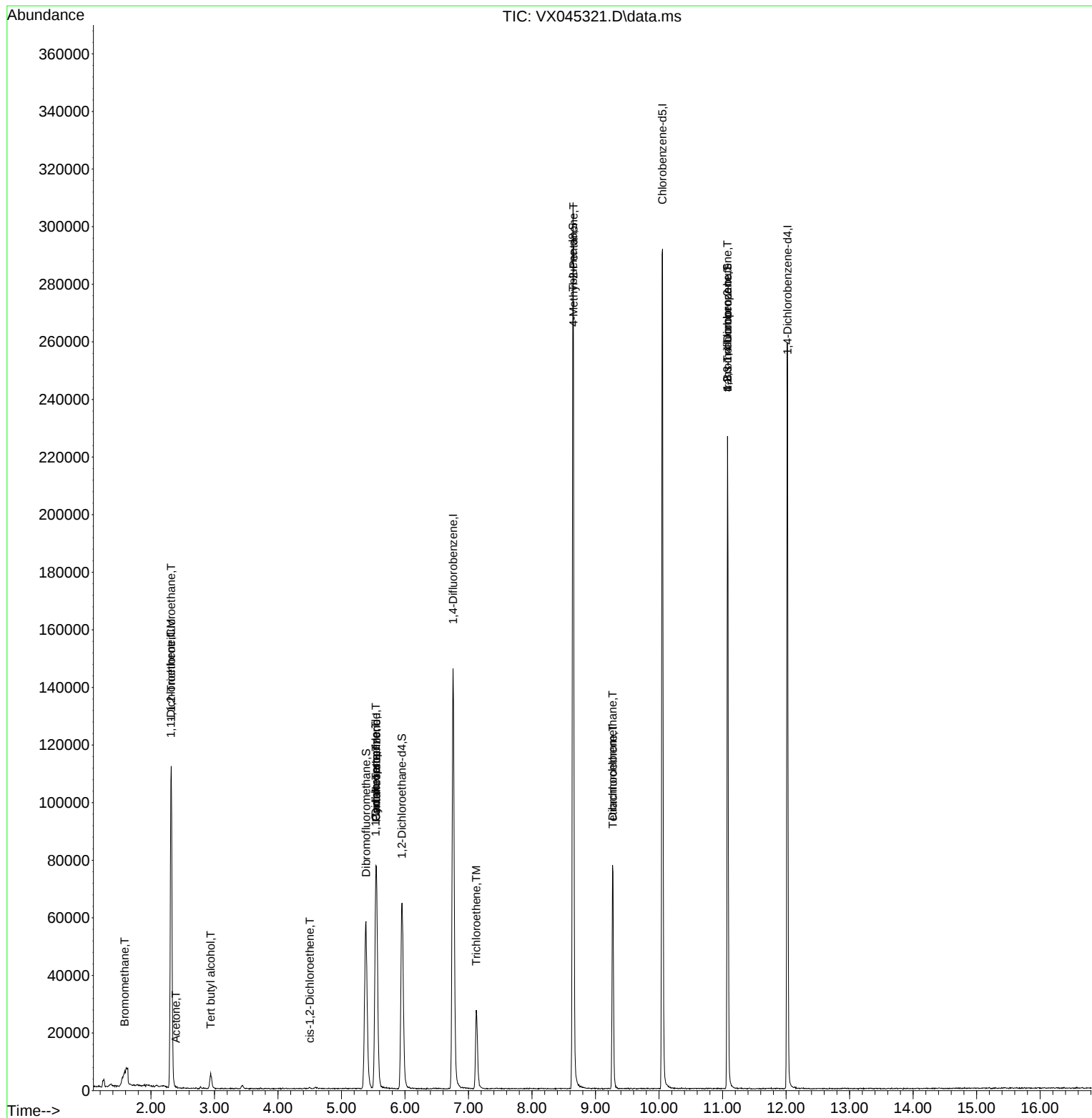
Internal Standards						
1) Pentafluorobenzene	5.550	168	70052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141111	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63869	57.319	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.640%	
35) Dibromofluoromethane	5.385	113	49919	52.904	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.800%	
50) Toluene-d8	8.647	98	176143	51.492	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	11.079	95	58887	51.949	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	103	0.245	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.319	101	43928	53.954	ug/l	99
11) Tert butyl alcohol	2.940	59	3207	15.195	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	387	0.450	ug/l #	79
16) Acetone	2.392	43	248	0.480	ug/l #	44
27) cis-1,2-Dichloroethene	4.501	96	267	0.254	ug/l	64
31) Cyclohexane	5.544	56	2004	1.322	ug/l #	10
36) 1,1-Dichloropropene	5.538	75	6937	5.361	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7983	6.077	ug/l #	17
44) Trichloroethene	7.123	130	10358	10.795	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1056	0.638	ug/l #	1
60) Dibromochloromethane	9.269	129	14086	13.650	ug/l #	11
64) Tetrachloroethene	9.275	164	14394	17.574	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	32656	27.745	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32656	94.949	ug/l #	6

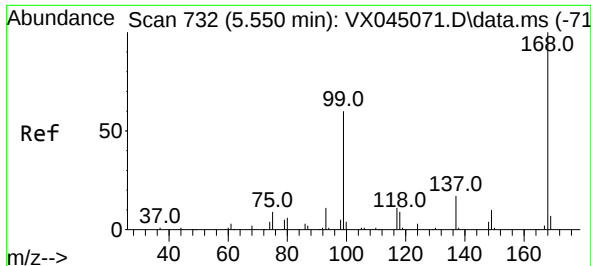
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 19 01:43:59 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

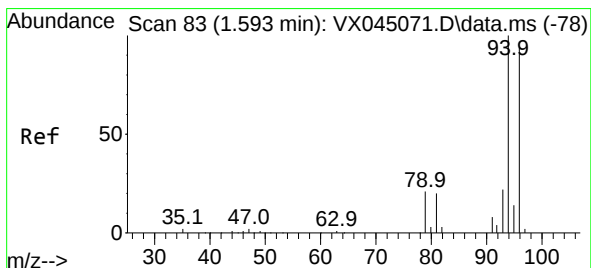
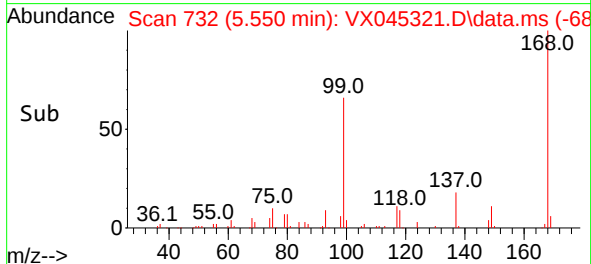
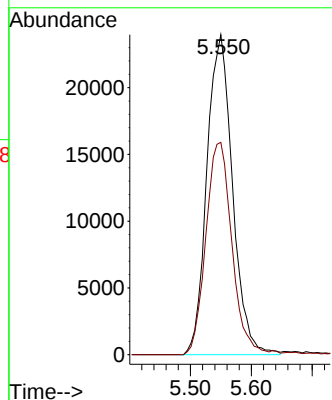
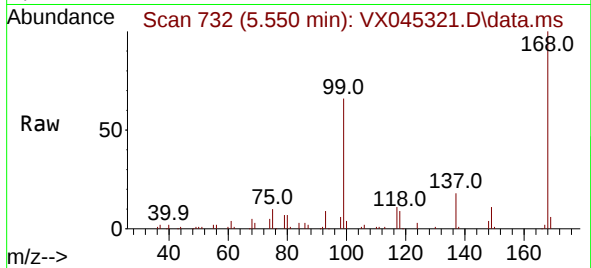




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

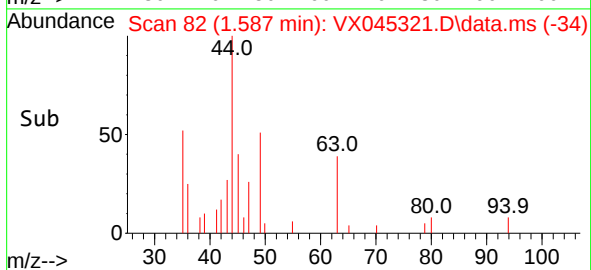
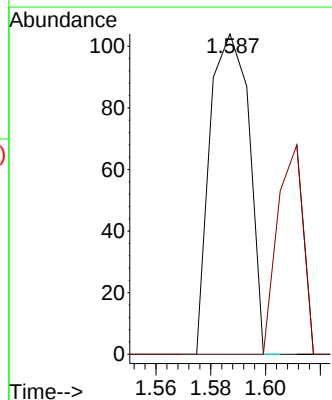
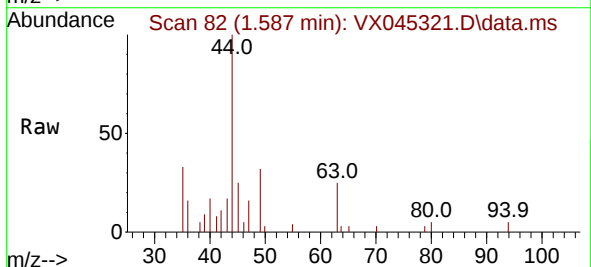
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

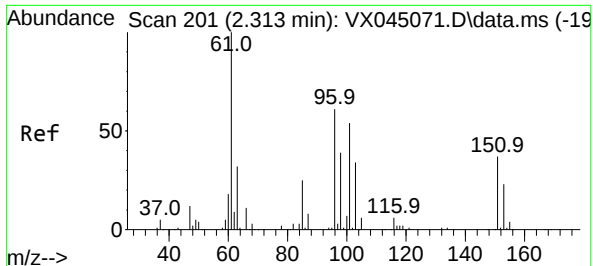
Tgt Ion:168 Resp: 70052
Ion Ratio Lower Upper
168 100
99 66.4 48.2 72.4



#5
Bromomethane
Concen: 0.245 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion: 94 Resp: 103
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

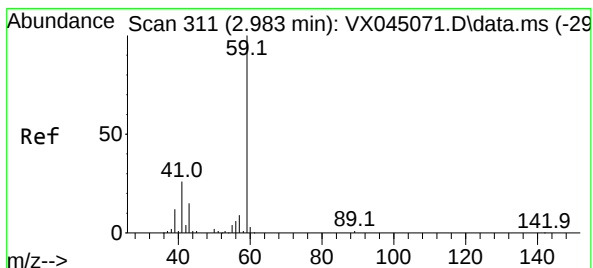
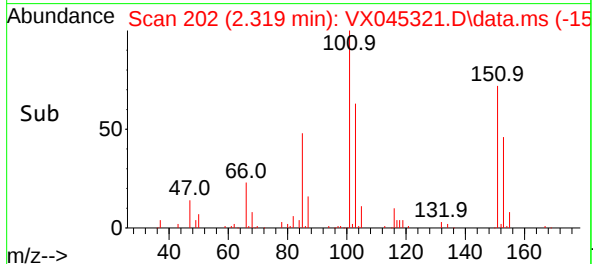
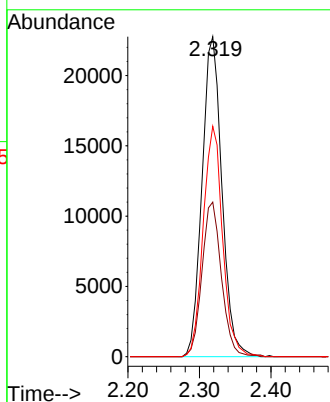
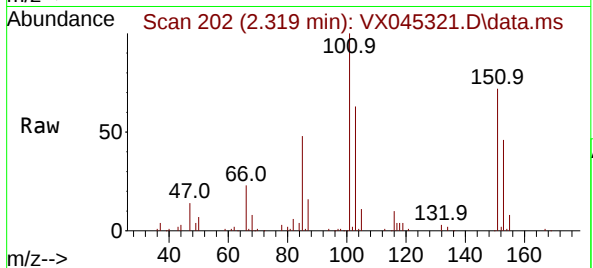




#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.954 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

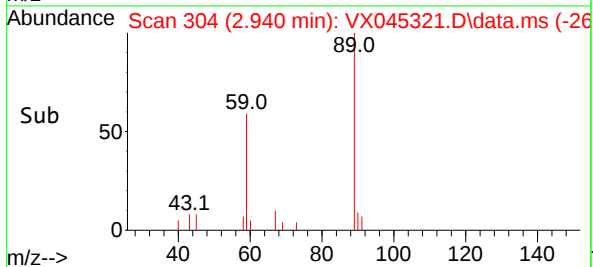
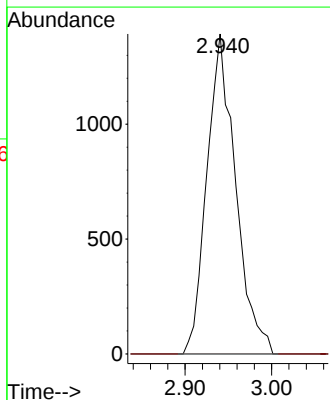
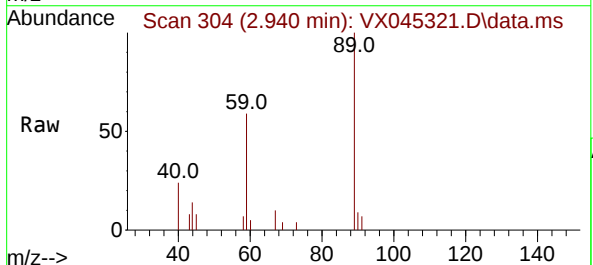
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

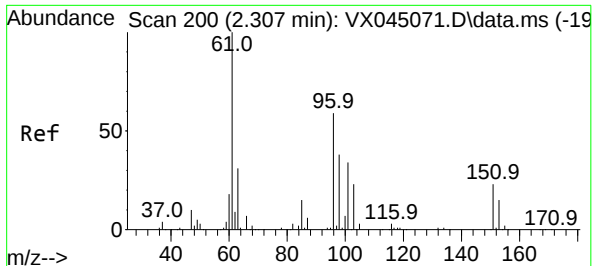
Tgt Ion:101 Resp: 43928
Ion Ratio Lower Upper
101 100
85 47.2 36.2 54.4
151 70.4 56.4 84.6



#11
Tert butyl alcohol
Concen: 15.195 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion: 59 Resp: 3207
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.450 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045321.D

Acq: 18 Mar 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20250310DL

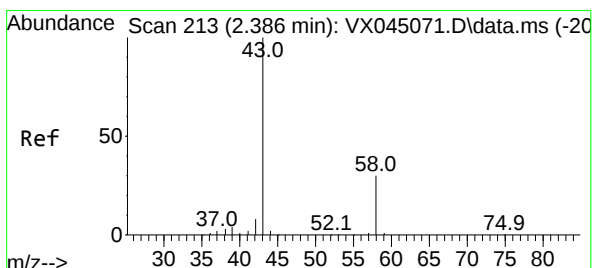
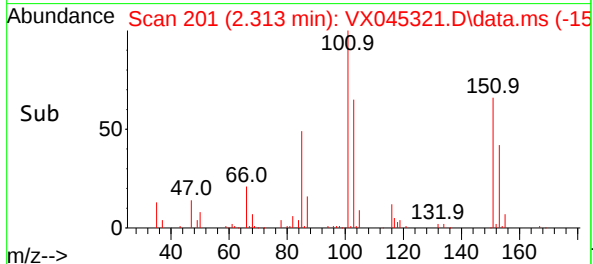
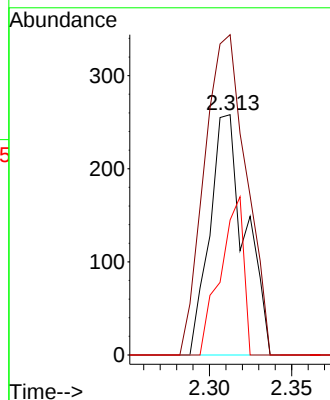
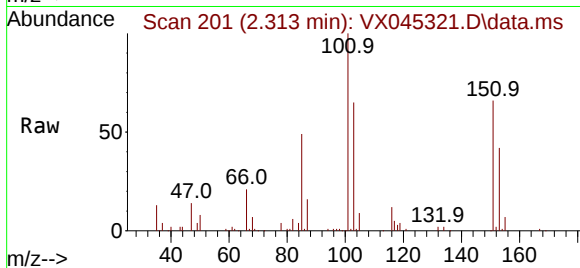
Tgt Ion: 96 Resp: 387

Ion Ratio Lower Upper

96 100

61 133.3 134.6 202.0#

98 56.2 51.0 76.6



#16

Acetone

Concen: 0.480 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX045321.D

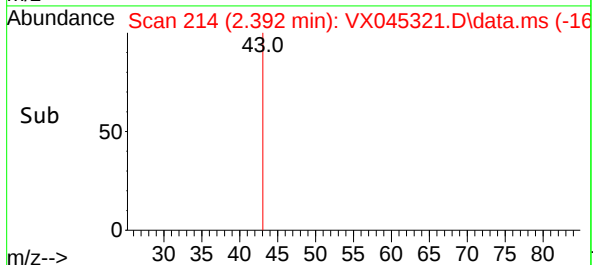
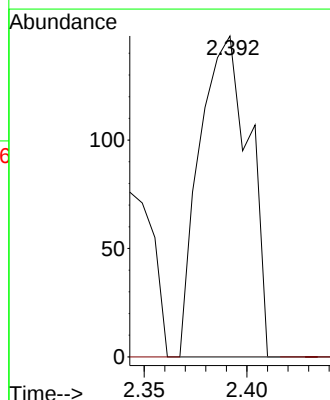
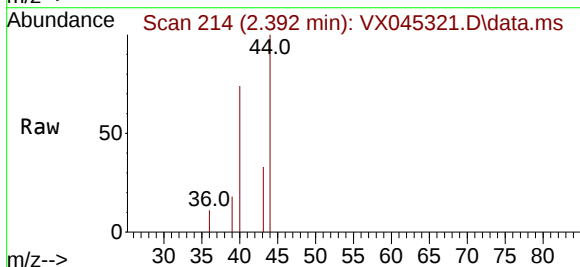
Acq: 18 Mar 2025 13:41

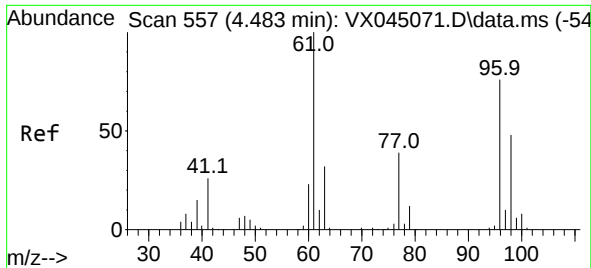
Tgt Ion: 43 Resp: 248

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#

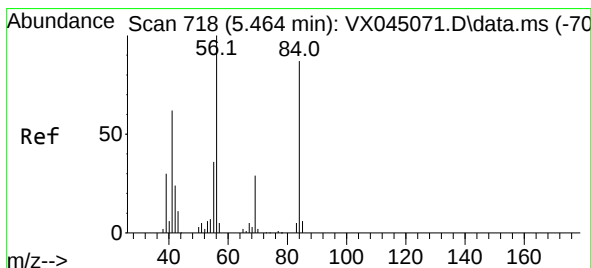
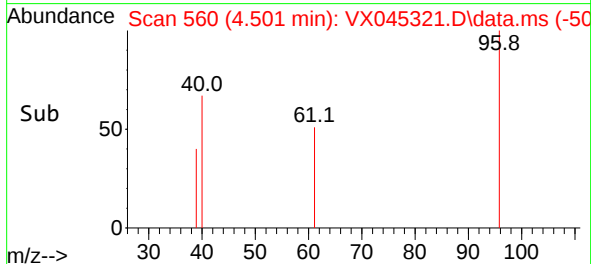
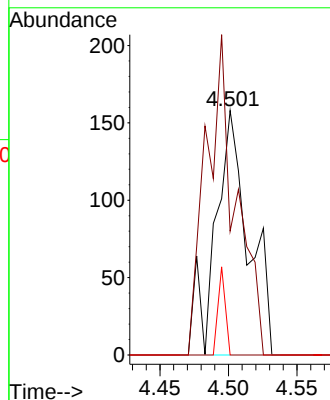
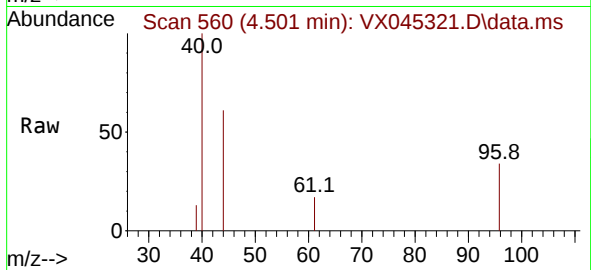




#27
 cis-1,2-Dichloroethene
 Concen: 0.254 ug/l
 RT: 4.501 min Scan# 50
 Delta R.T. 0.018 min
 Lab File: VX045321.D
 Acq: 18 Mar 2025 13:41

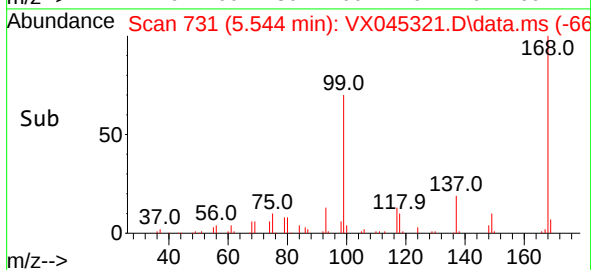
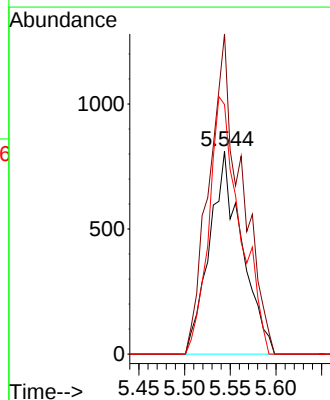
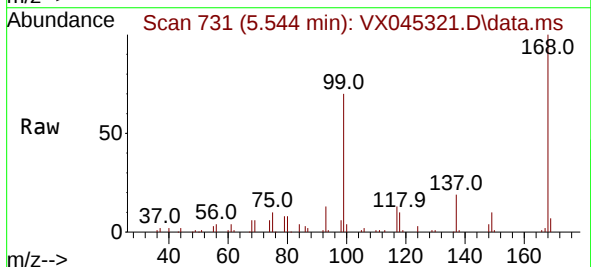
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20250310DL

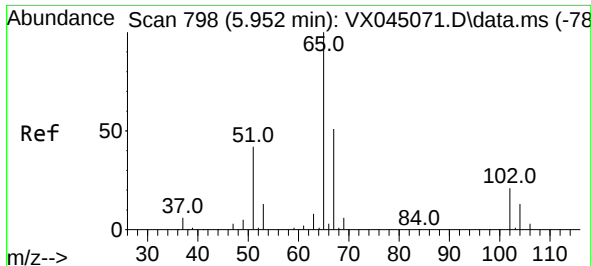
Tgt Ion: 96 Resp: 267
 Ion Ratio Lower Upper
 96 100
 61 117.2 0.0 283.2
 98 7.9 0.0 128.0



#31
 Cyclohexane
 Concen: 1.322 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. 0.079 min
 Lab File: VX045321.D
 Acq: 18 Mar 2025 13:41

Tgt Ion: 56 Resp: 2004
 Ion Ratio Lower Upper
 56 100
 69 157.8 23.4 35.2#
 84 123.1 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 57.319 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045321.D

Acq: 18 Mar 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

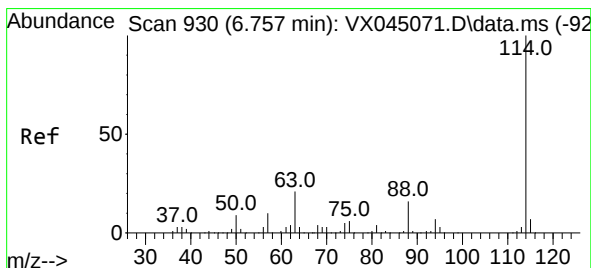
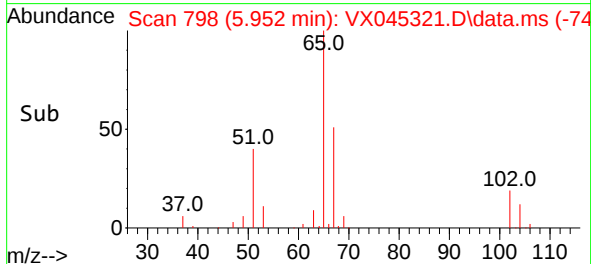
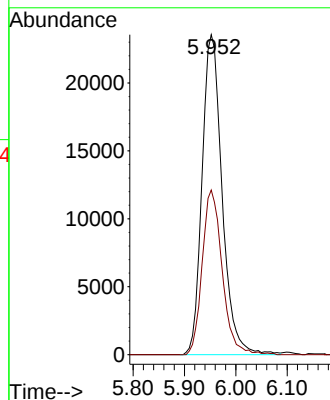
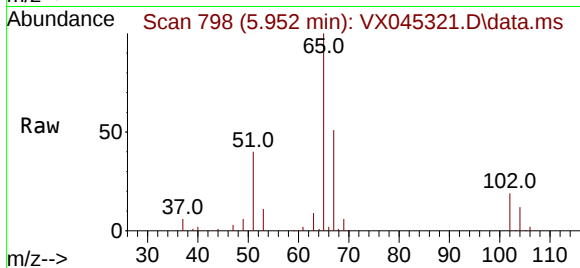
RE134D3-20250310DL

Tgt Ion: 65 Resp: 63869

Ion Ratio Lower Upper

65 100

67 51.1 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: VX045321.D

Acq: 18 Mar 2025 13:41

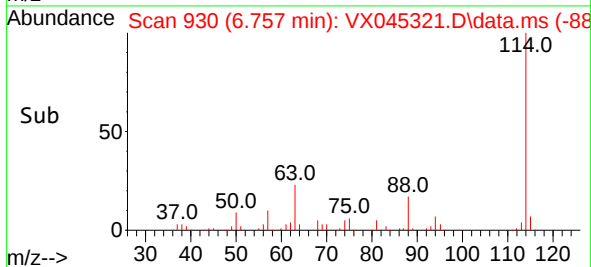
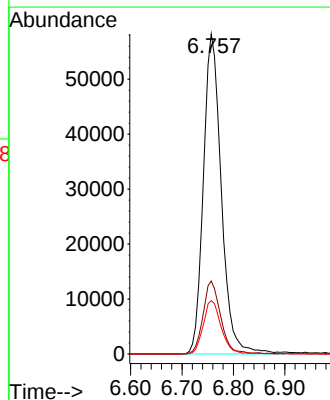
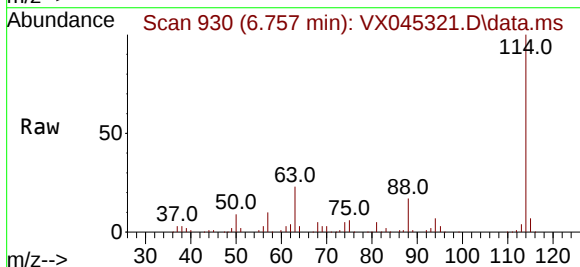
Tgt Ion: 114 Resp: 141111

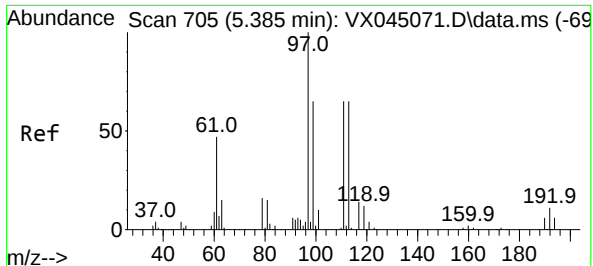
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.7 0.0 32.8

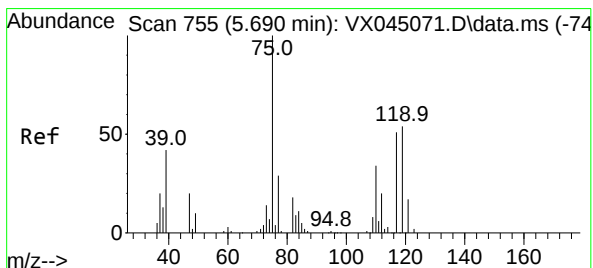
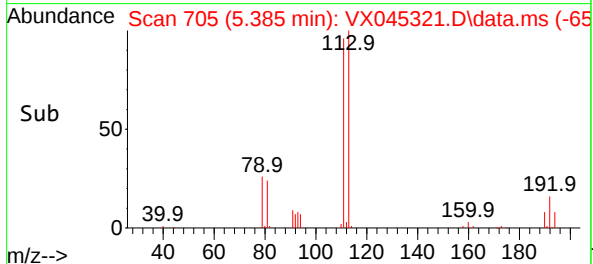
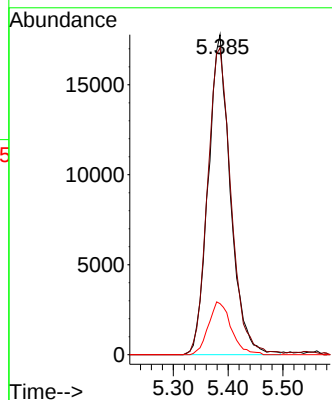
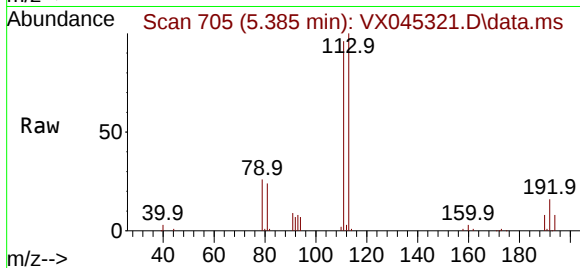




#35
Dibromofluoromethane
Concen: 52.904 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

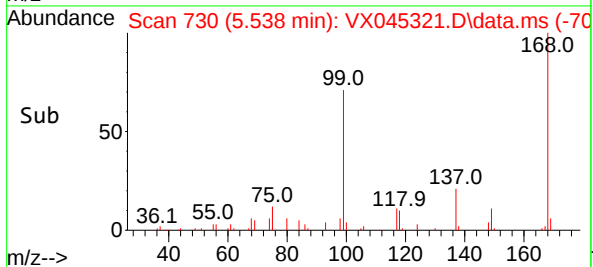
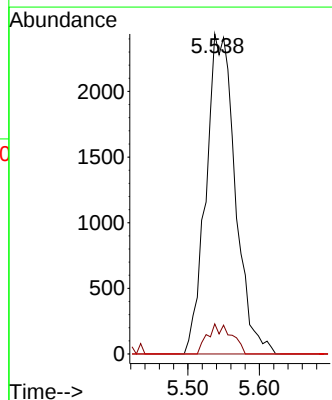
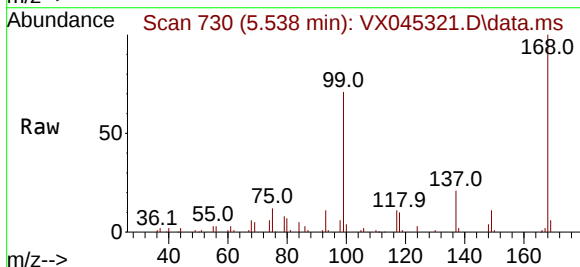
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RE134D3-20250310DL

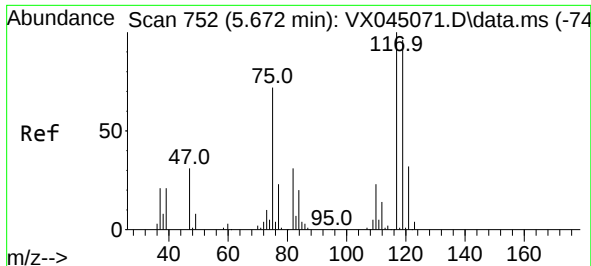
Tgt Ion:	113	Resp:	49919
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.6
192	16.9	14.3	21.5



#36
1,1-Dichloropropene
Concen: 5.361 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

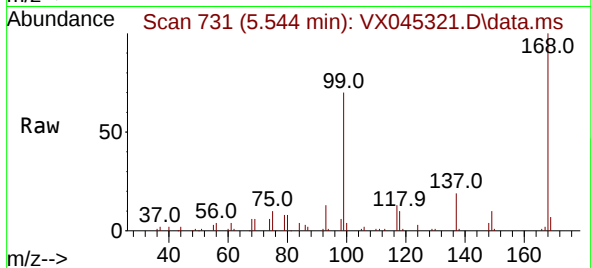
Tgt Ion:	75	Resp:	6937
Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.9	50.6#
77	0.0	24.5	36.7#



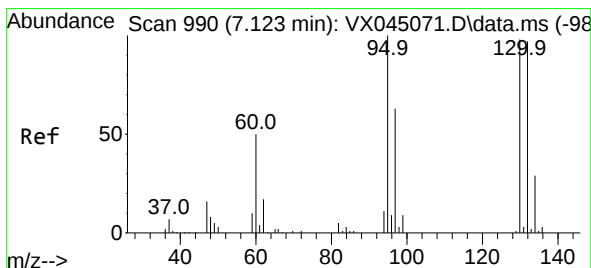
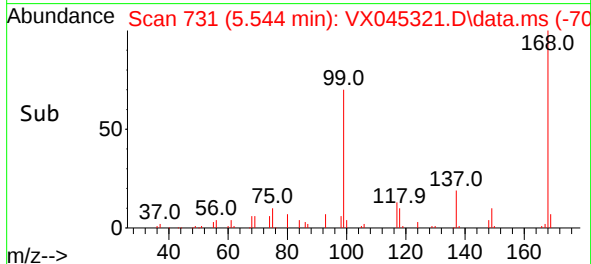
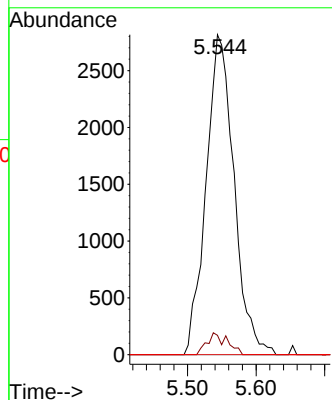


#38
Carbon Tetrachloride
Concen: 6.077 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

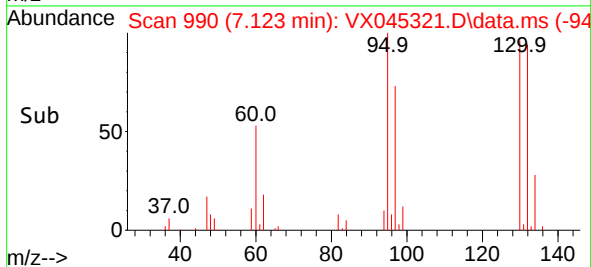
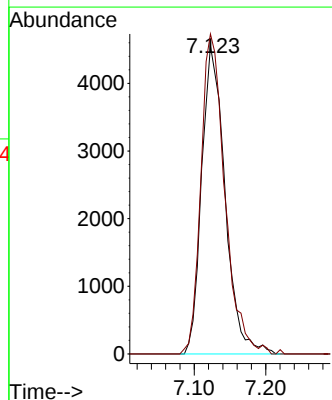
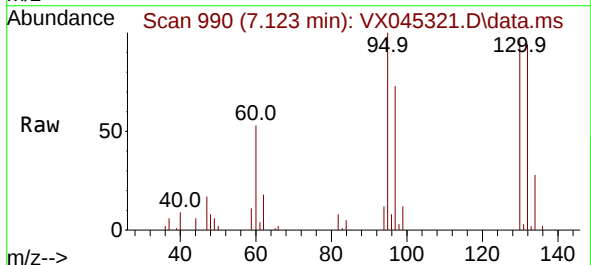


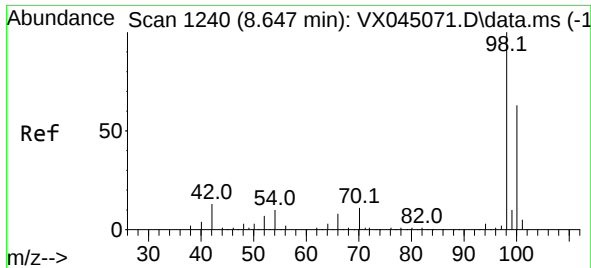
Tgt Ion:117 Resp: 7983
Ion Ratio Lower Upper
117 100
119 6.1 76.7 115.1#
121 0.0 25.5 38.3#



#44
Trichloroethene
Concen: 10.795 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion:130 Resp: 10358
Ion Ratio Lower Upper
130 100
95 103.9 0.0 205.0

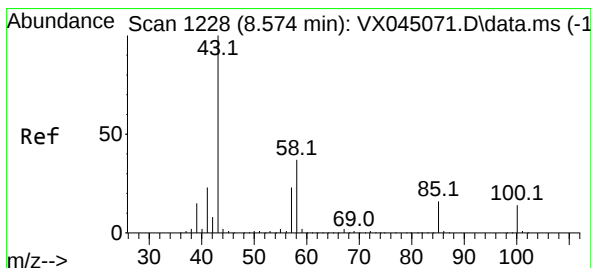
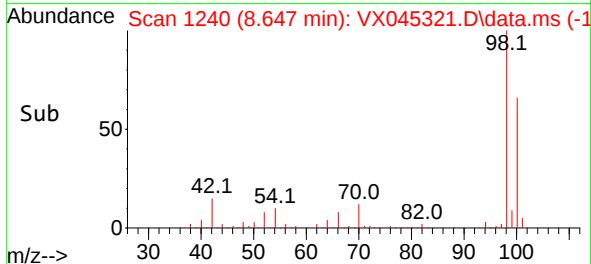
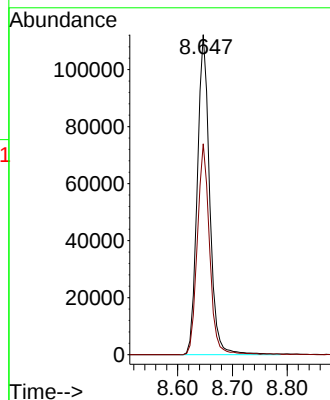
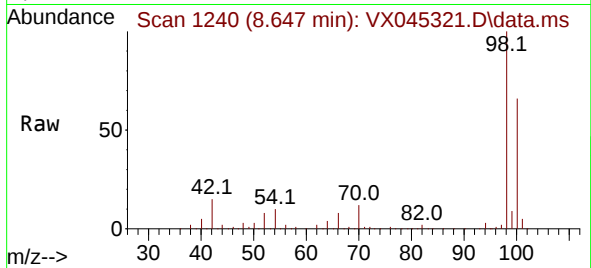




#50
Toluene-d8
Concen: 51.492 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

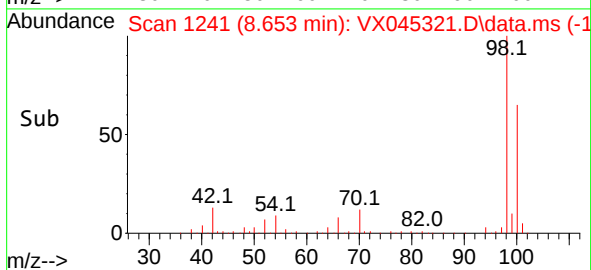
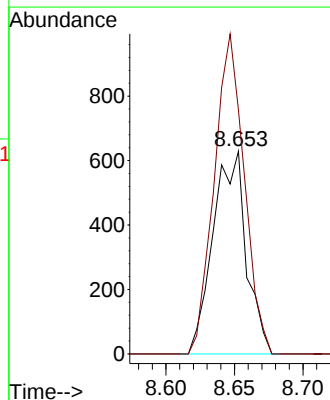
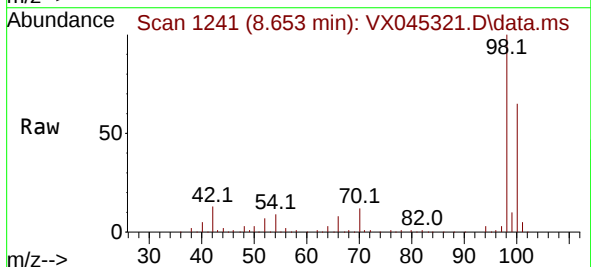
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

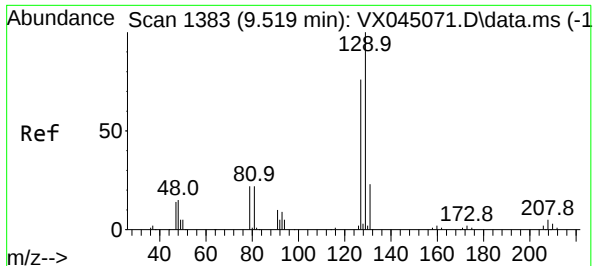
Tgt Ion: 98 Resp: 176143
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.638 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 143.4 29.2 43.8#

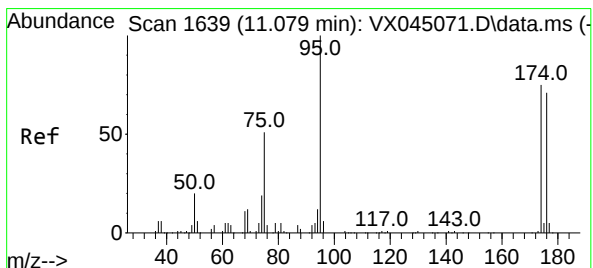
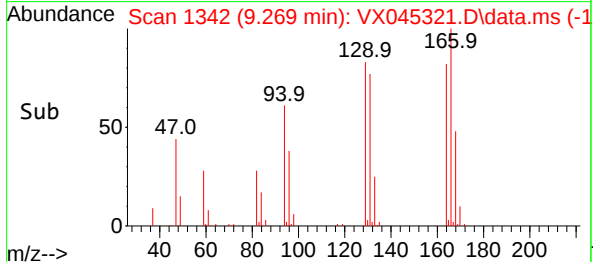
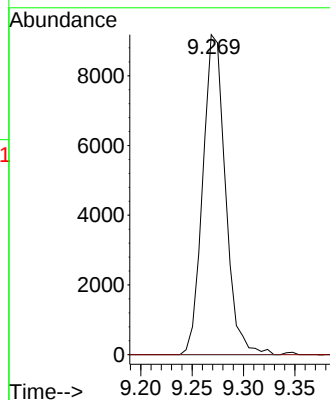
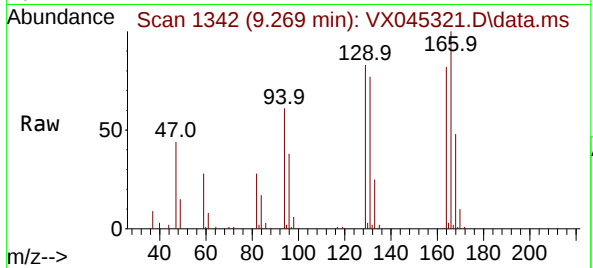




#60
Dibromochloromethane
Concen: 13.650 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

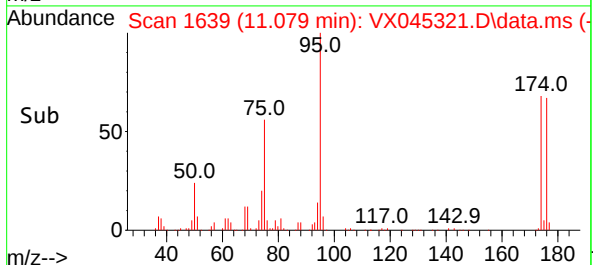
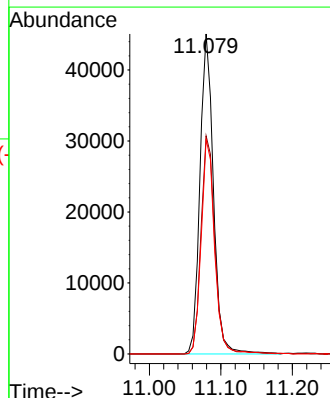
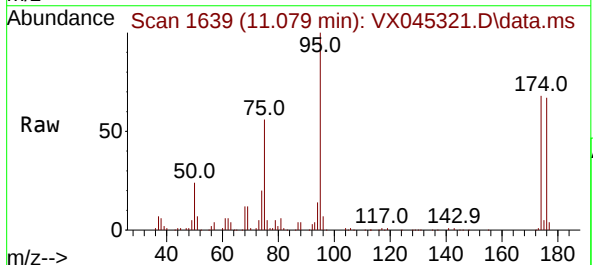
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

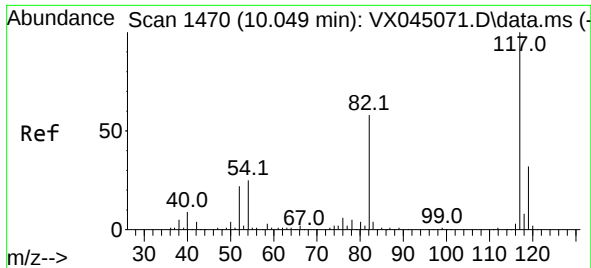
Tgt Ion:129 Resp: 14086
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 51.949 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion: 95 Resp: 58887
Ion Ratio Lower Upper
95 100
174 70.0 0.0 148.2
176 67.0 0.0 141.4

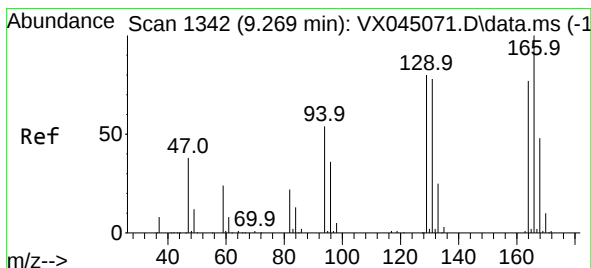
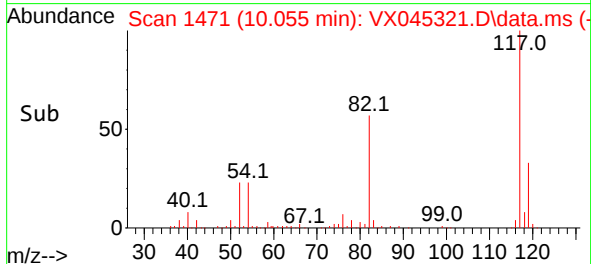
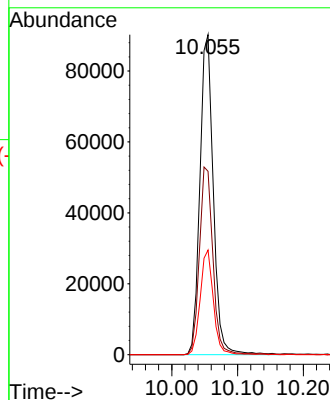
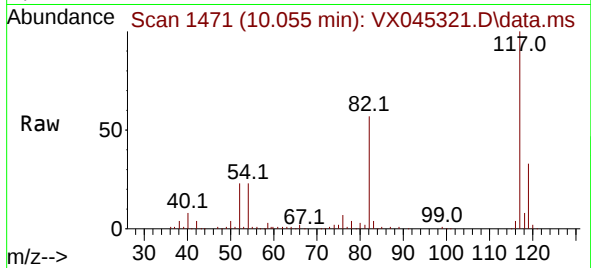




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

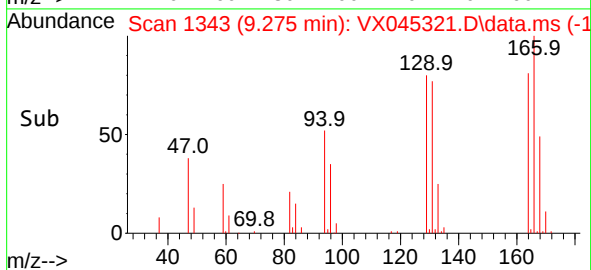
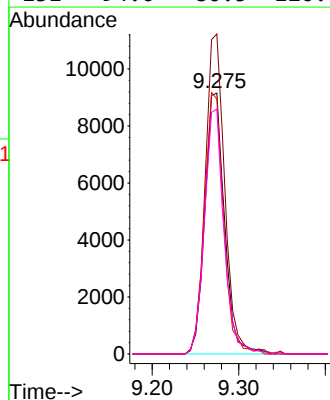
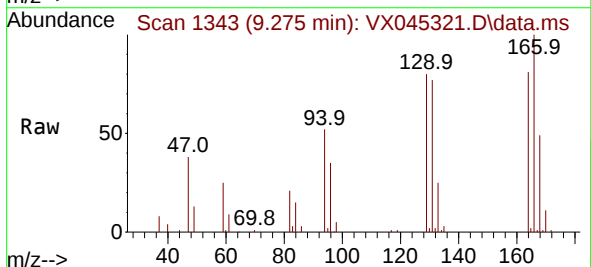
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL

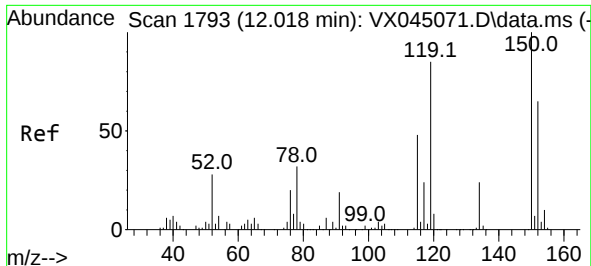
Tgt Ion:117 Resp: 127887
Ion Ratio Lower Upper
117 100
82 57.3 46.3 69.5
119 32.7 25.7 38.5



#64
Tetrachloroethene
Concen: 17.574 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Tgt Ion:164 Resp: 14394
Ion Ratio Lower Upper
164 100
166 122.7 103.6 155.4
129 97.7 82.7 124.1
131 94.0 80.5 120.7

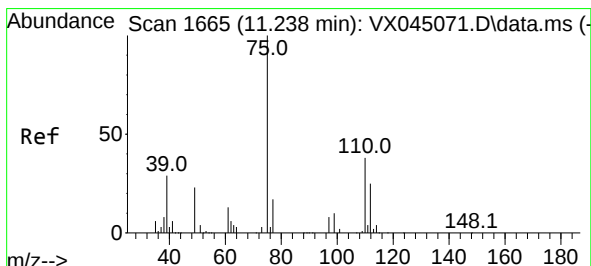
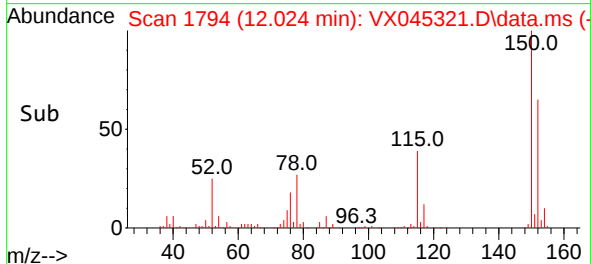
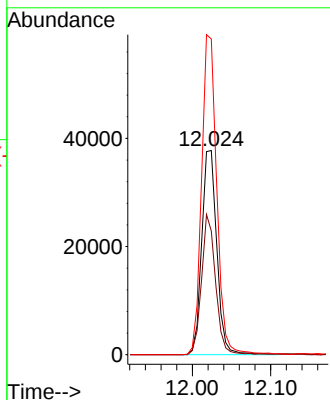
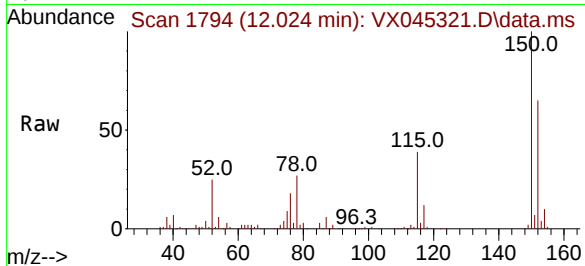




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX045321.D
 Acq: 18 Mar 2025 13:41

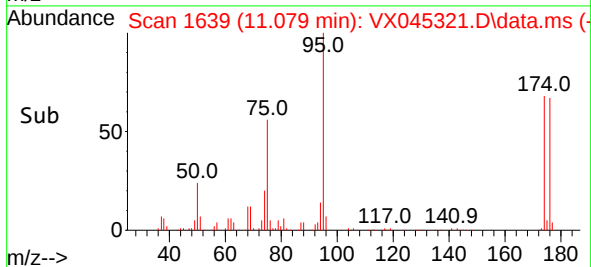
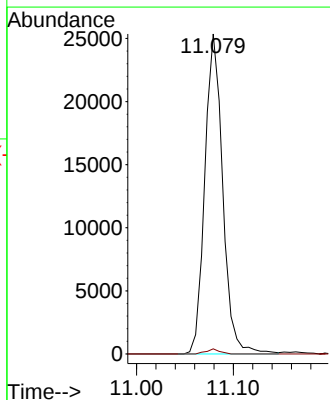
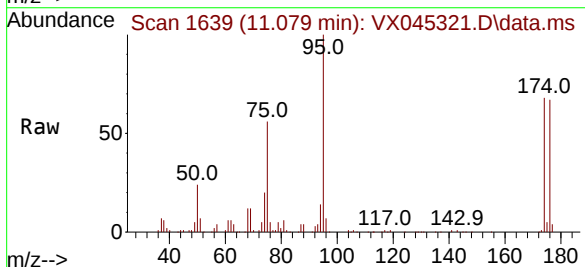
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20250310DL

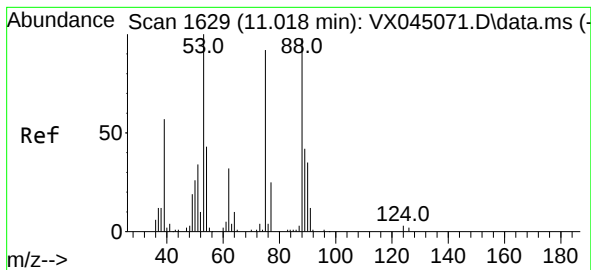
Tgt Ion:152 Resp: 50569
 Ion Ratio Lower Upper
 152 100
 115 63.7 44.2 132.6
 150 157.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.745 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045321.D
 Acq: 18 Mar 2025 13:41

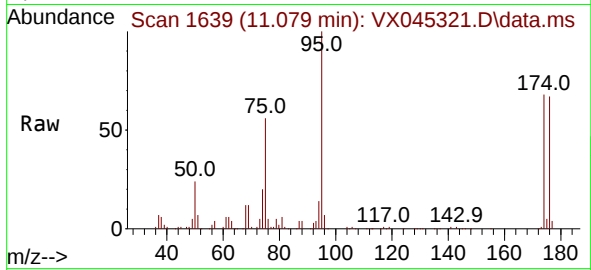
Tgt Ion: 75 Resp: 32656
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 94.949 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045321.D
Acq: 18 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20250310DL



Tgt Ion: 75 Resp: 32656
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

