

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044189.D
 Acq On : 09 Dec 2024 15:40
 Operator : JC/MD
 Sample : P5164-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20241206

Quant Time: Dec 10 01:43:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

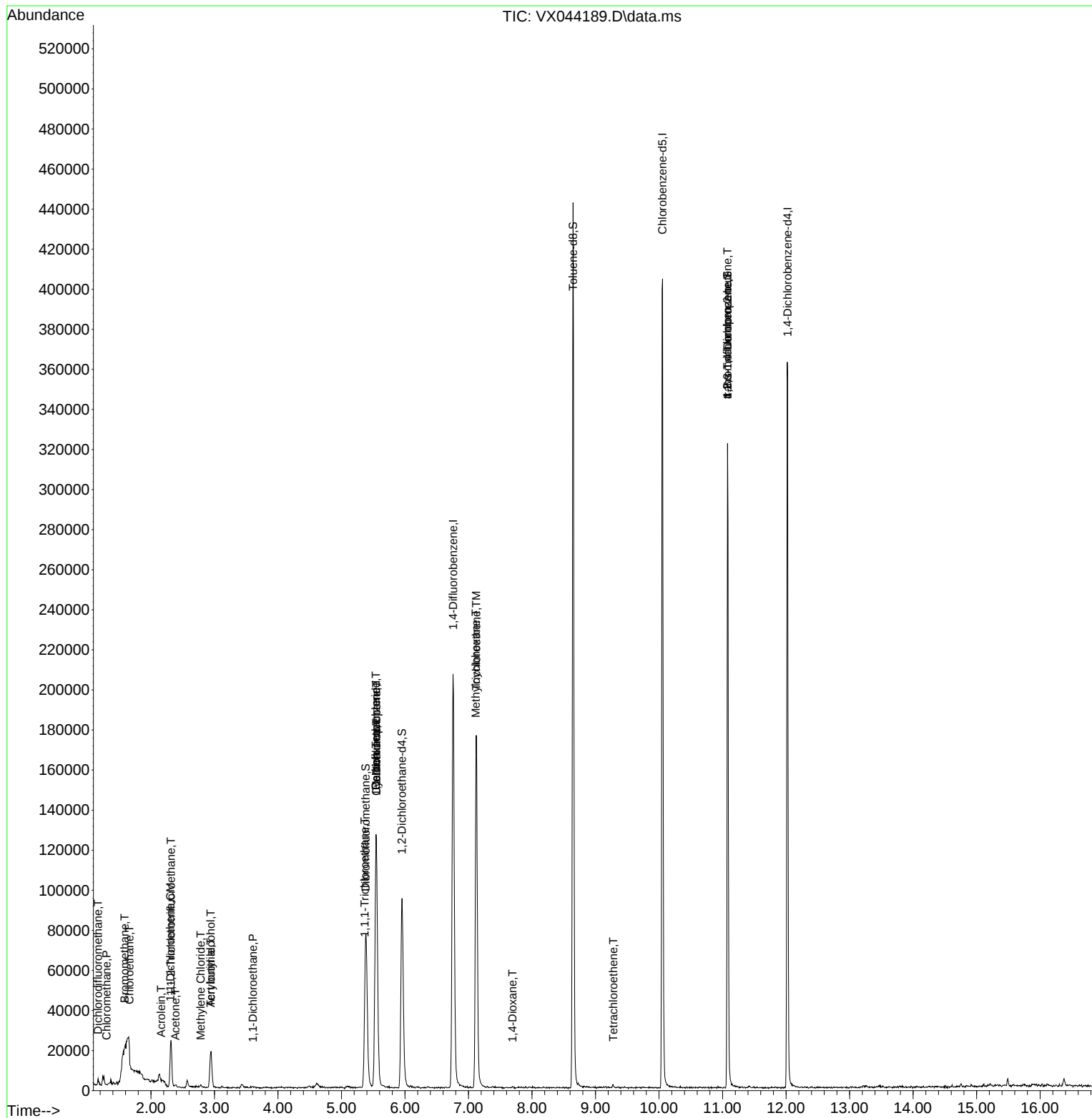
Internal Standards						
1) Pentafluorobenzene	5.544	168	108813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	204658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93943	50.336	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.680%	
35) Dibromofluoromethane	5.379	113	66846	45.710	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.420%	
50) Toluene-d8	8.647	98	249398	49.474	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	11.079	95	82640	48.170	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1508	1.094	ug/l	89
3) Chloromethane	1.301	50	415	0.286	ug/l #	73
5) Bromomethane	1.587	94	281	0.296	ug/l	88
6) Chloroethane	1.660	64	403	0.429	ug/l #	88
9) 1,1,2-Trichlorotrifluo...	2.313	101	7968	6.056	ug/l	95
11) Tert butyl alcohol	2.941	59	10146	33.869	ug/l #	75
12) 1,1-Dichloroethene	2.307	96	958	0.764	ug/l #	74
13) Acrolein	2.160	56	64	0.203	ug/l #	1
15) Acrylonitrile	2.941	53	238	0.326	ug/l #	17
16) Acetone	2.386	43	1077	1.256	ug/l	93
20) Methylene Chloride	2.782	84	530	0.364	ug/l #	76
24) 1,1-Dichloroethane	3.605	63	1050	0.415	ug/l #	82
31) Cyclohexane	5.550	56	3203	1.540	ug/l #	45
32) 1,1,1-Trichloroethane	5.367	97	1190	0.508	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	10301	5.653	ug/l #	46
38) Carbon Tetrachloride	5.544	117	12621	6.164	ug/l #	17
39) Methylcyclohexane	7.117	83	1016	0.429	ug/l #	1
44) Trichloroethene	7.123	130	63691	39.636	ug/l	100
49) 1,4-Dioxane	7.690	88	84	2.730	ug/l #	24
64) Tetrachloroethene	9.281	164	289	0.249	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	47050	30.282	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	47050	82.632	ug/l #	6

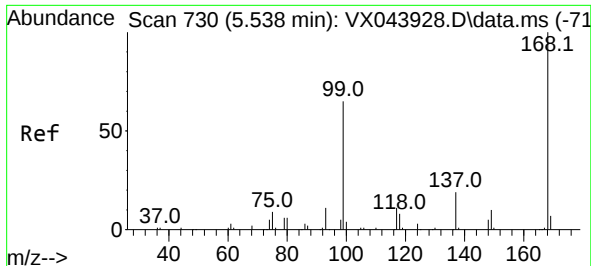
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Quant Time: Dec 10 01:43:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

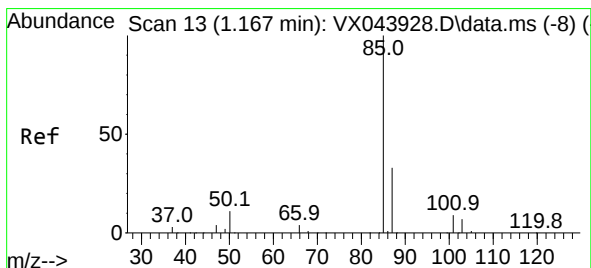
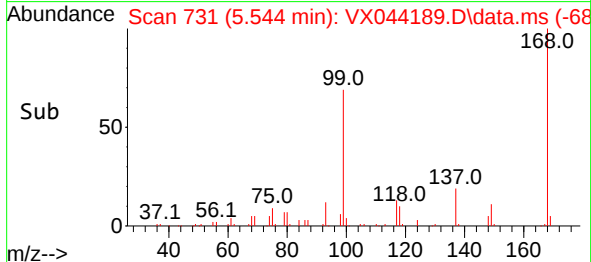
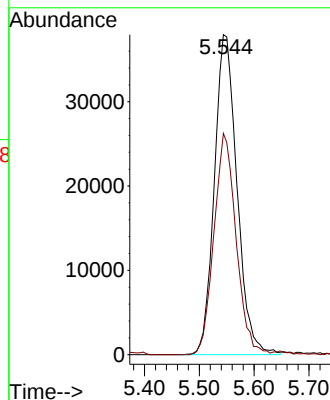
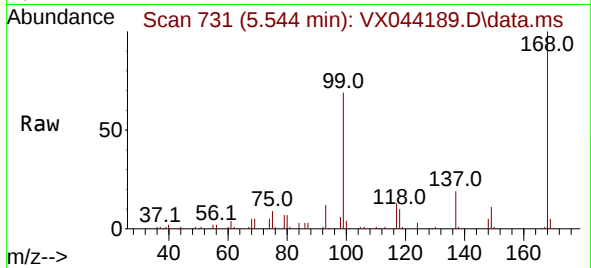




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

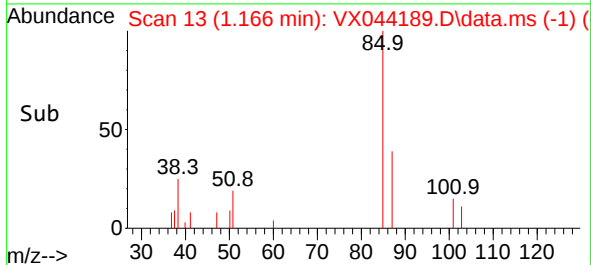
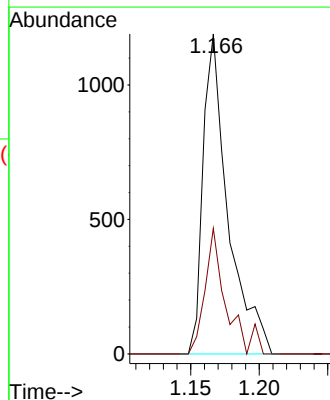
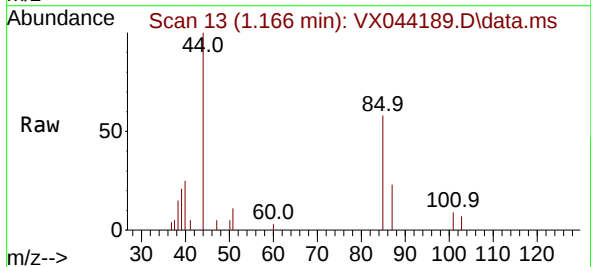
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

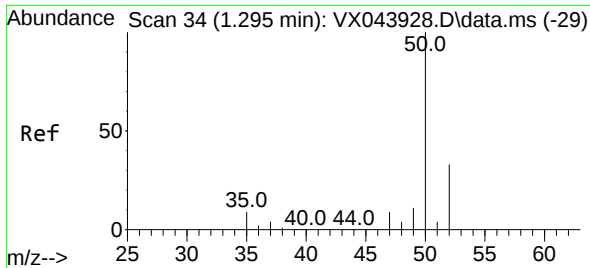
Tgt Ion:168 Resp: 108813
Ion Ratio Lower Upper
168 100
99 69.2 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 1.094 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 85 Resp: 1508
Ion Ratio Lower Upper
85 100
87 39.2 16.6 49.8

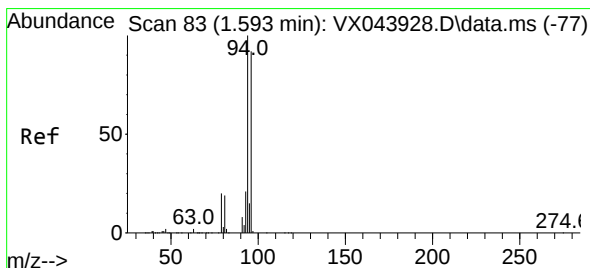
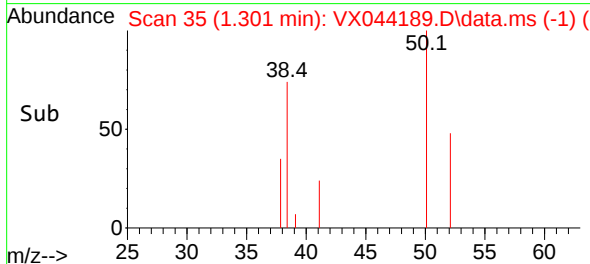
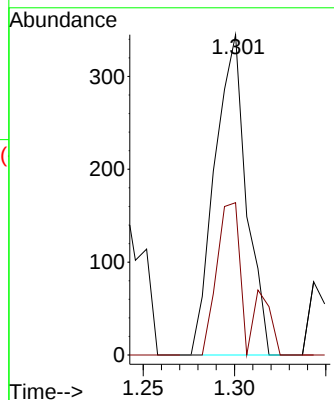
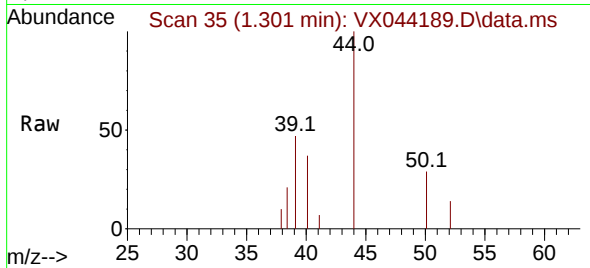




#3
Chloromethane
Concen: 0.286 ug/l
RT: 1.301 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

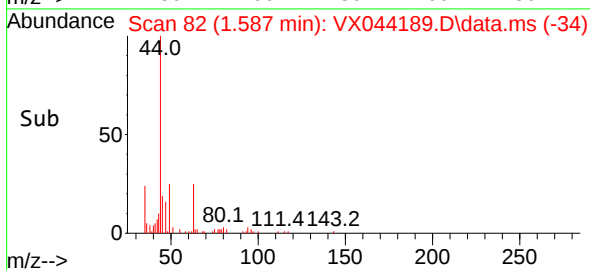
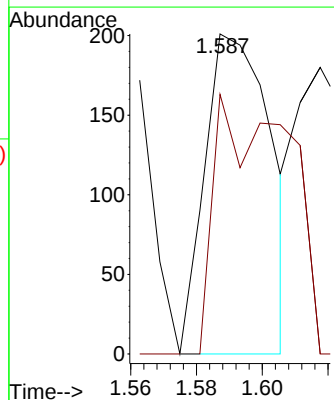
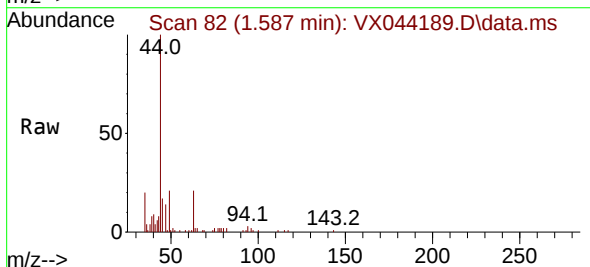
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

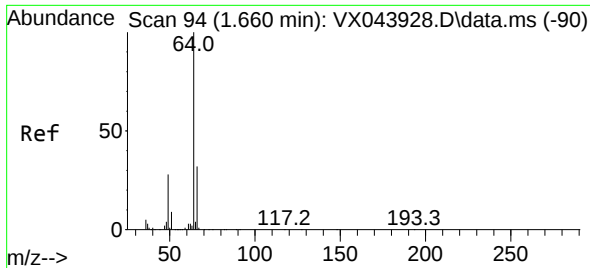
Tgt Ion: 50 Resp: 415
Ion Ratio Lower Upper
50 100
52 47.5 26.1 39.1#



#5
Bromomethane
Concen: 0.296 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 81.1 73.9 110.9

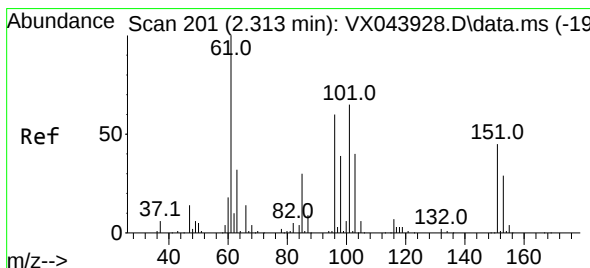
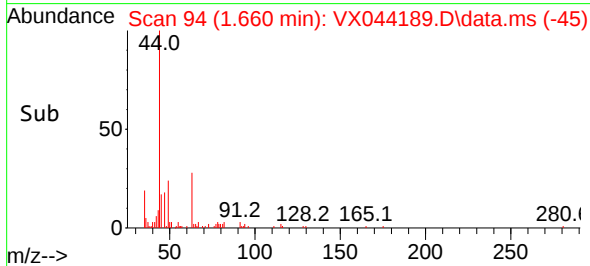
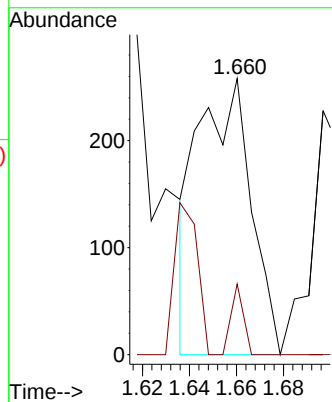
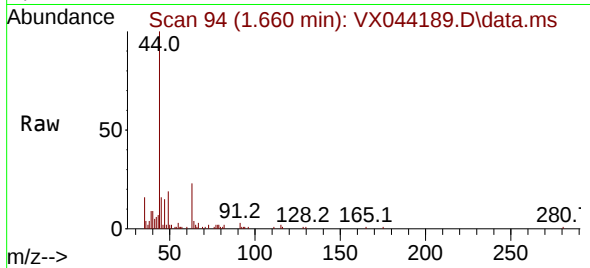




#6
Chloroethane
Concen: 0.429 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

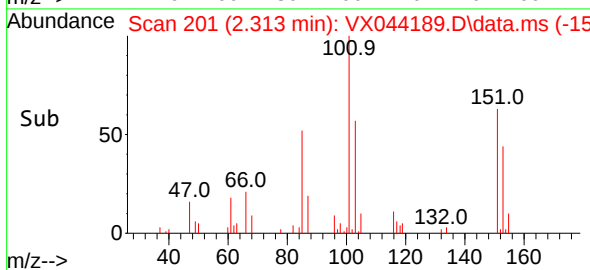
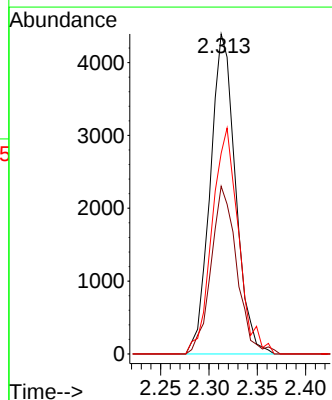
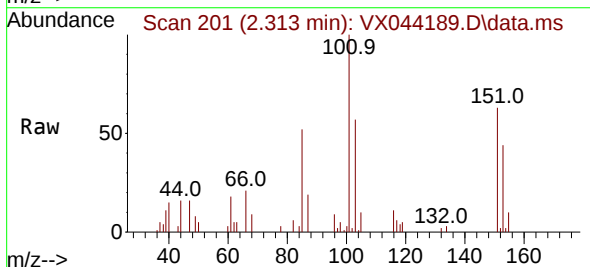
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

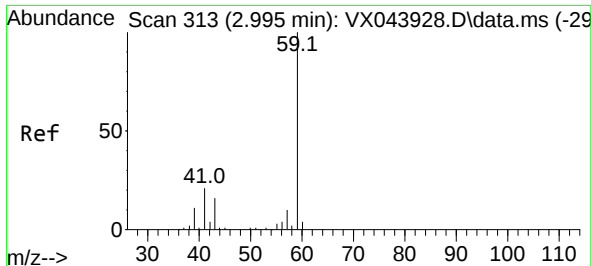
Tgt Ion: 64 Resp: 403
Ion Ratio Lower Upper
64 100
66 25.6 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.056 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 101 Resp: 7968
Ion Ratio Lower Upper
101 100
85 53.2 37.9 56.9
151 73.8 57.5 86.3





#11

Tert butyl alcohol

Concen: 33.869 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

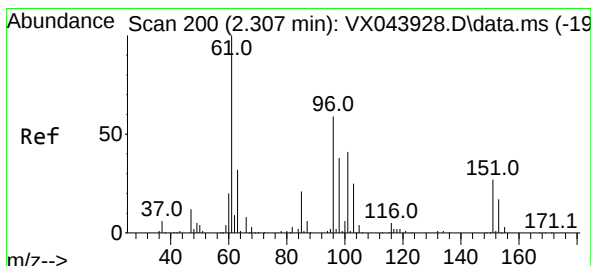
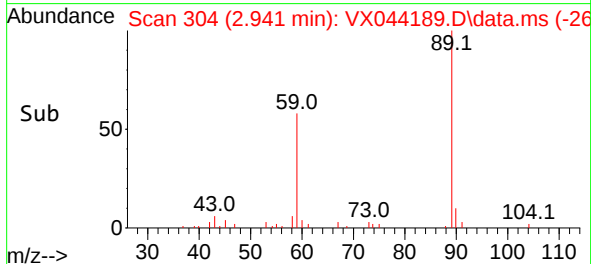
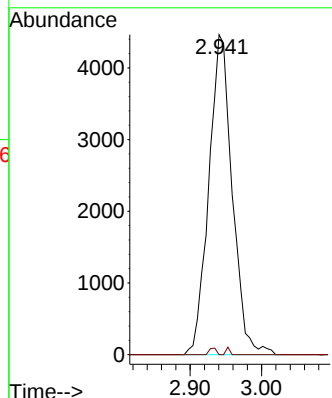
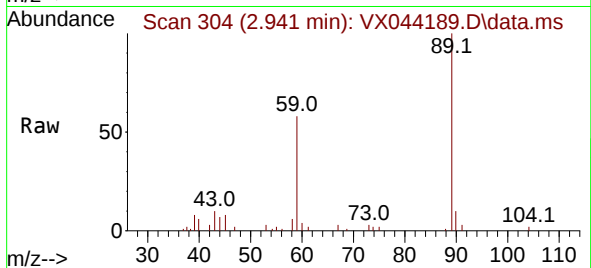
RE105D1-20241206

Tgt Ion: 59 Resp: 10146

Ion Ratio Lower Upper

59 100

57 0.6 7.9 11.9#



#12

1,1-Dichloroethene

Concen: 0.764 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

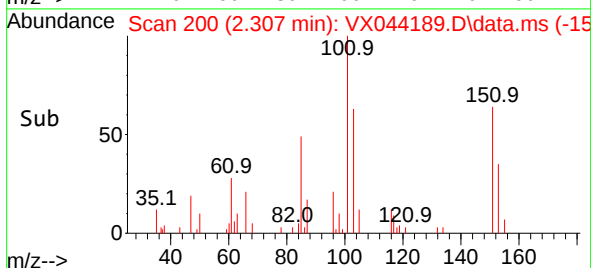
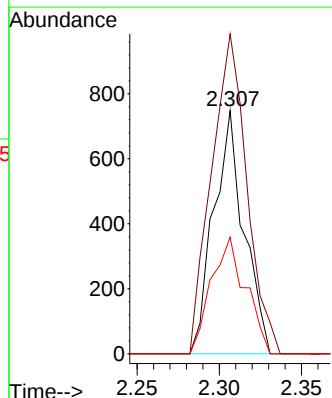
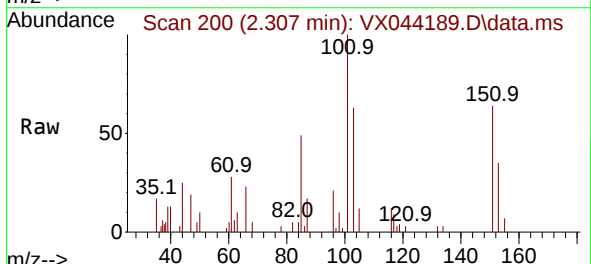
Tgt Ion: 96 Resp: 958

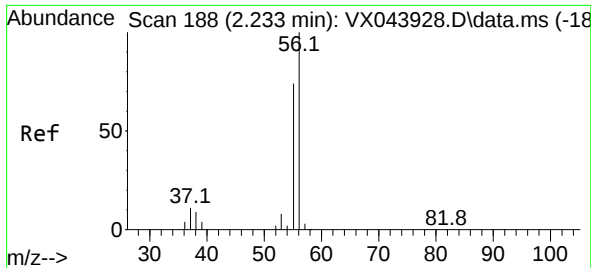
Ion Ratio Lower Upper

96 100

61 131.6 135.5 203.3#

98 48.0 50.8 76.2#





#13

Acrolein

Concen: 0.203 ug/l

RT: 2.160 min Scan# 11

Delta R.T. -0.073 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

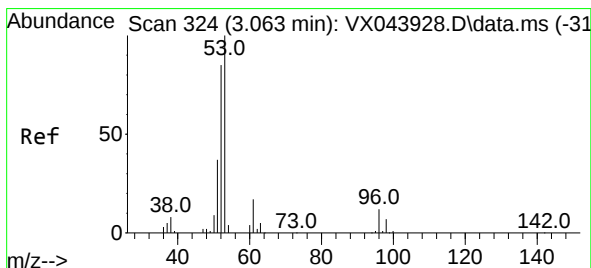
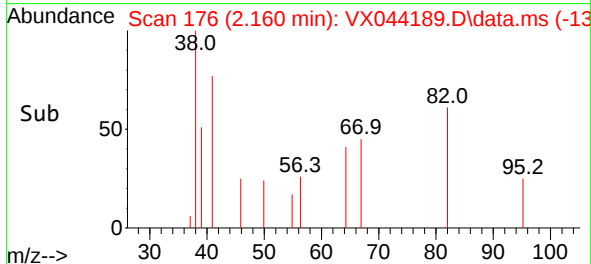
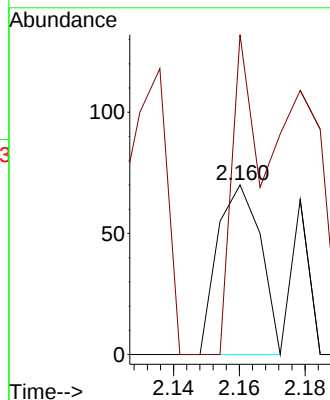
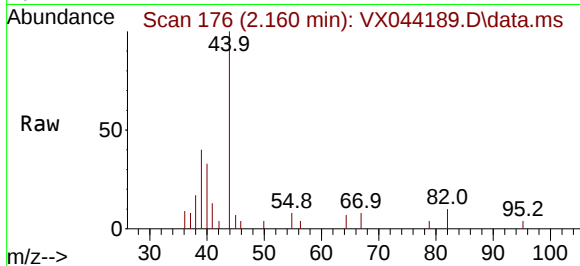
RE105D1-20241206

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 282.8 58.2 87.2#



#15

Acrylonitrile

Concen: 0.326 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.122 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

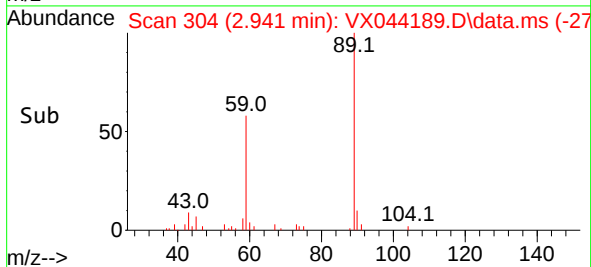
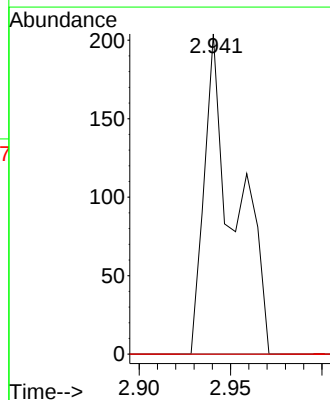
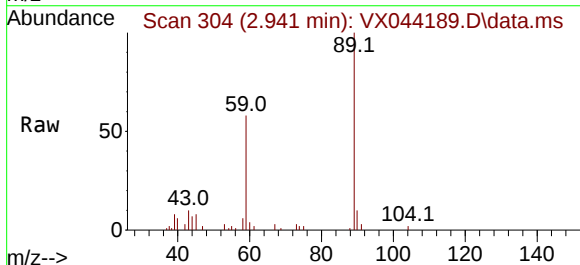
Tgt Ion: 53 Resp: 238

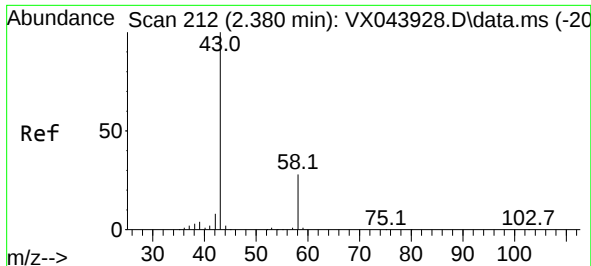
Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 0.0 30.2 45.4#

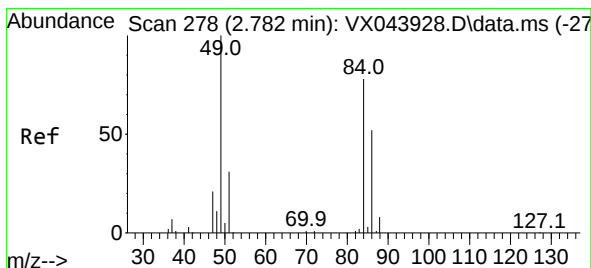
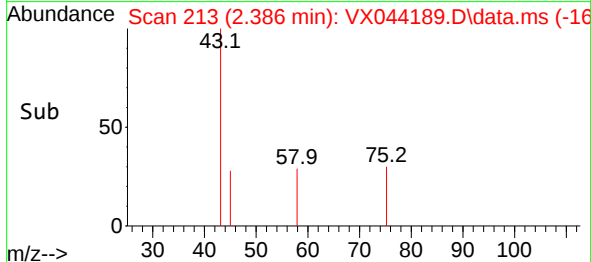
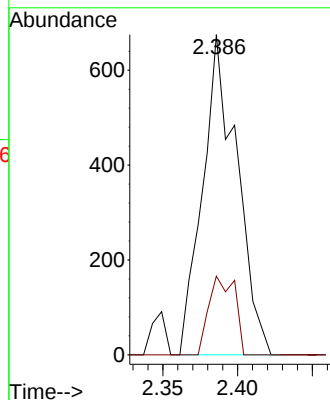
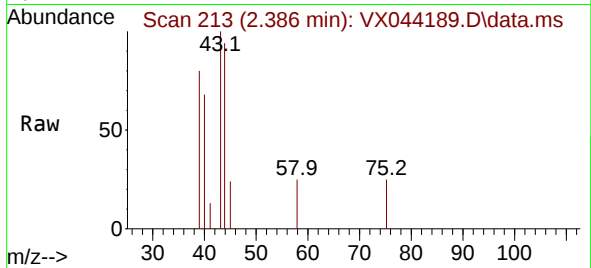




#16
Acetone
Concen: 1.256 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

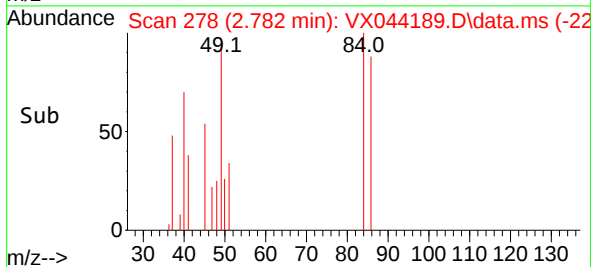
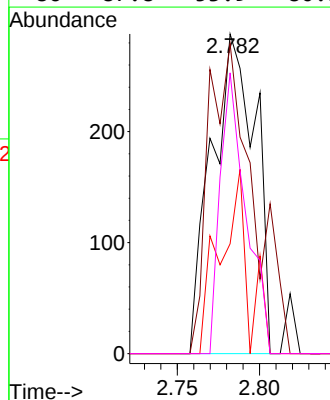
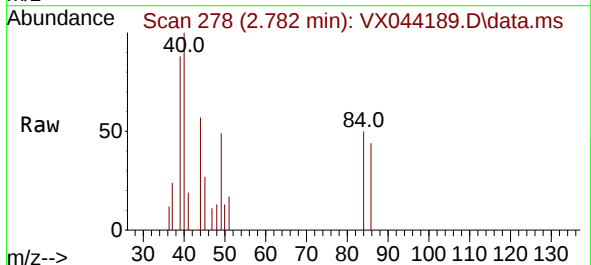
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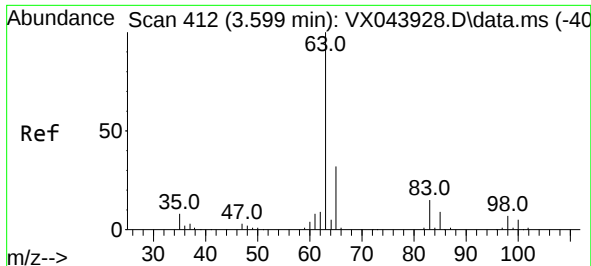
Tgt Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
58 24.6 22.7 34.1



#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 84 Resp: 530
Ion Ratio Lower Upper
84 100
49 96.9 102.7 154.1#
51 34.4 31.7 47.5
86 87.8 53.9 80.9#

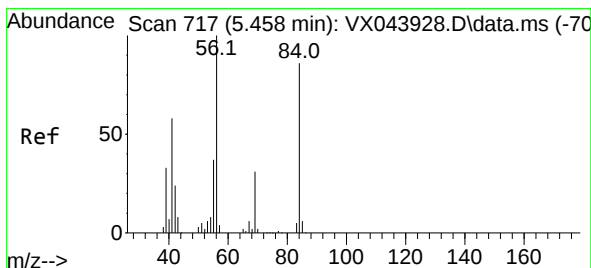
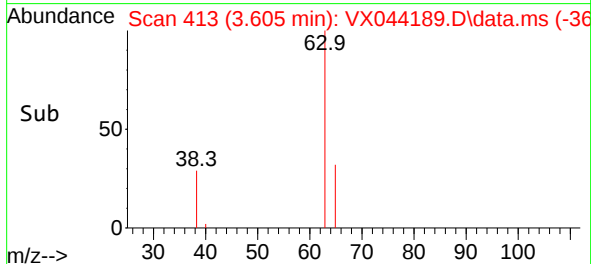
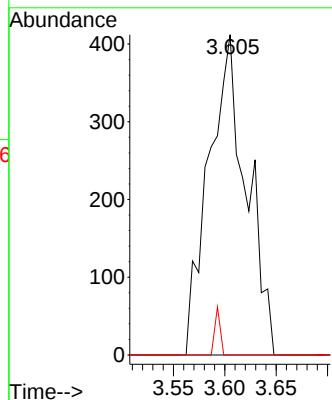
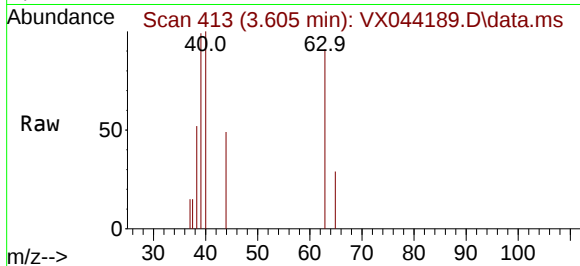




#24
1,1-Dichloroethane
Concen: 0.415 ug/l
RT: 3.605 min Scan# 412
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

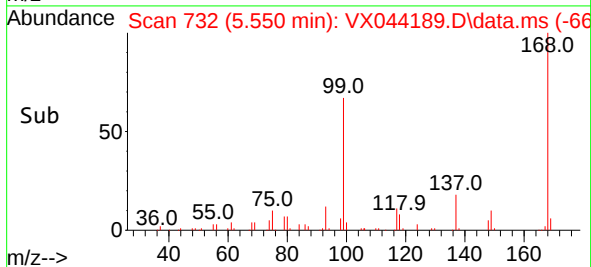
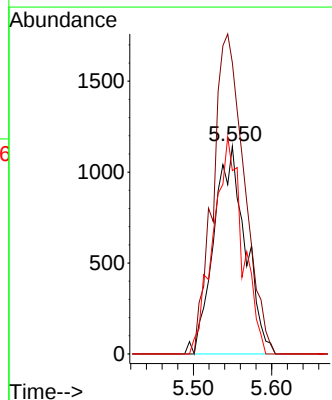
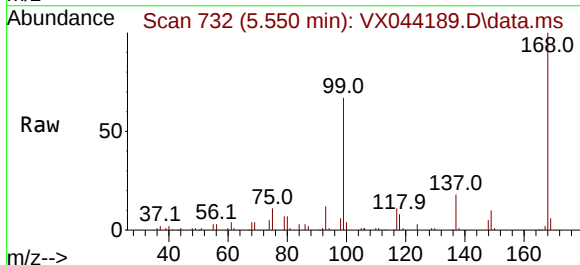
Instrument :
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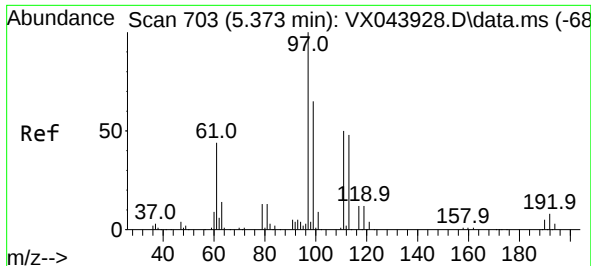
Tgt Ion: 63 Resp: 1050
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.6#
100 0.0 2.4 7.1#



#31
Cyclohexane
Concen: 1.540 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 56 Resp: 3203
Ion Ratio Lower Upper
56 100
69 140.3 24.7 37.1#
84 88.3 68.7 103.1

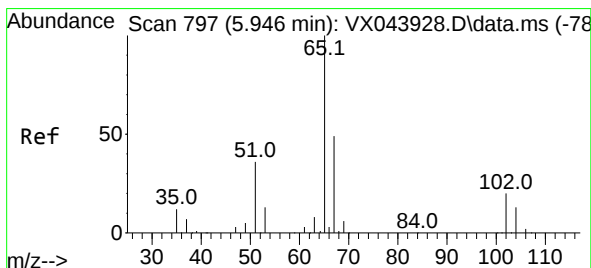
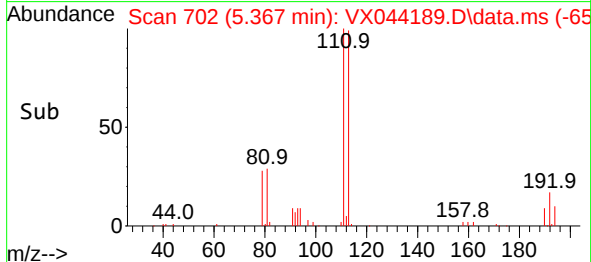
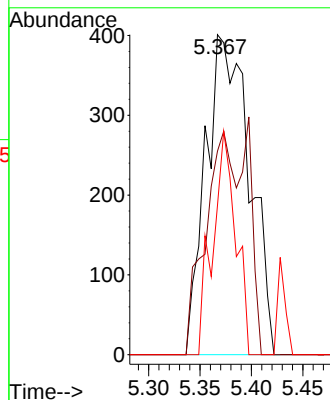
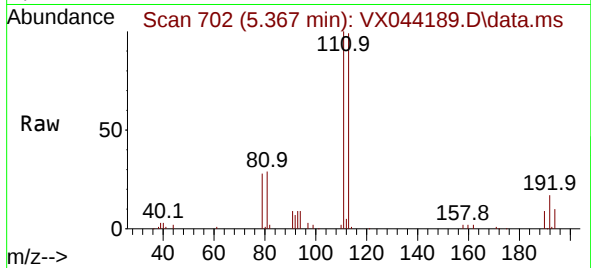




#32
1,1,1-Trichloroethane
Concen: 0.508 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

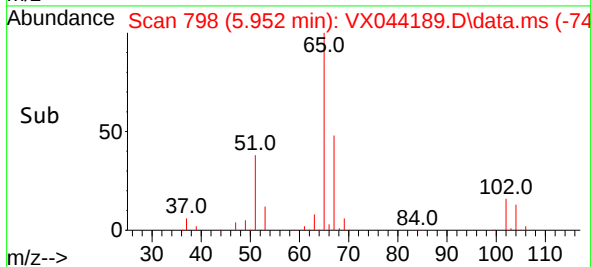
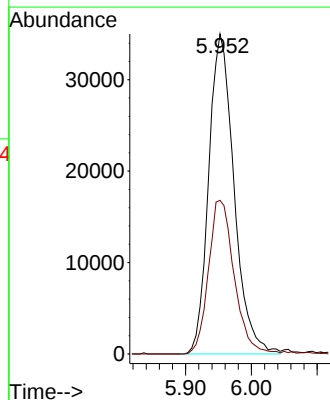
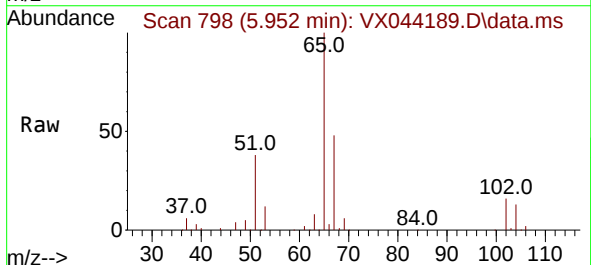
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

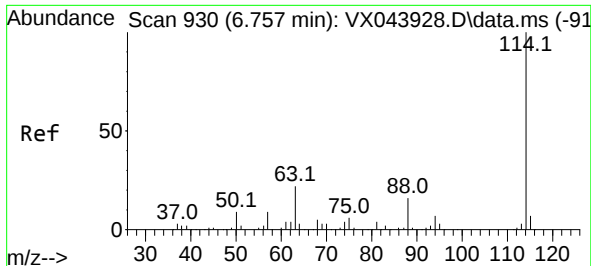
Tgt Ion: 97 Resp: 1190
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 36.7 35.4 53.2



#33
1,2-Dichloroethane-d4
Concen: 50.336 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 65 Resp: 93943
Ion Ratio Lower Upper
65 100
67 48.6 0.0 100.8

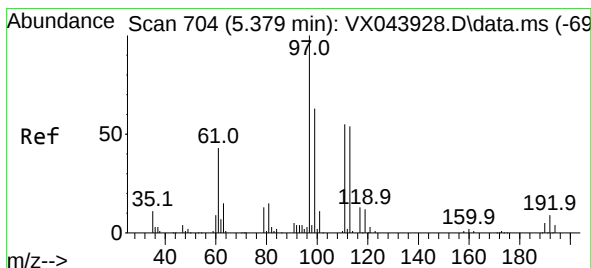
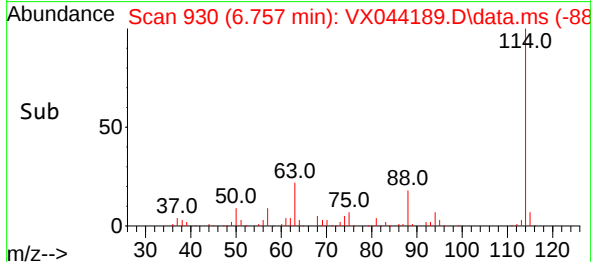
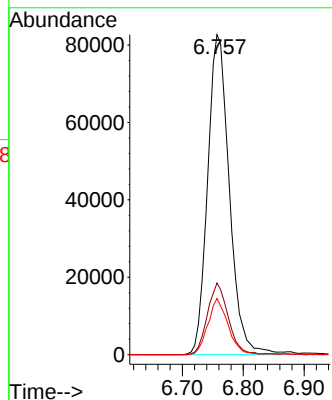
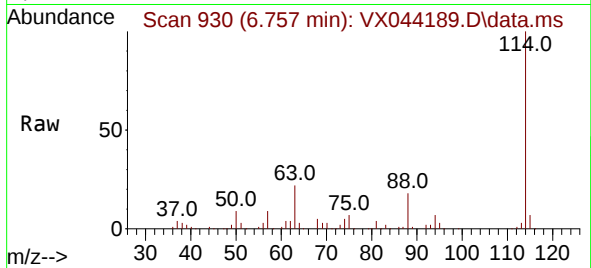




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

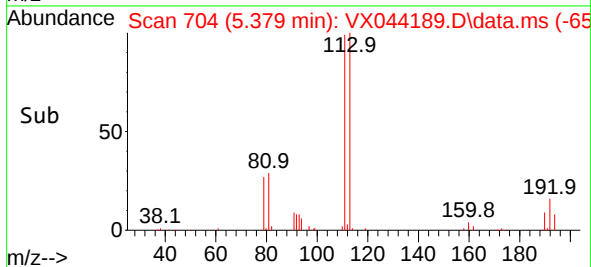
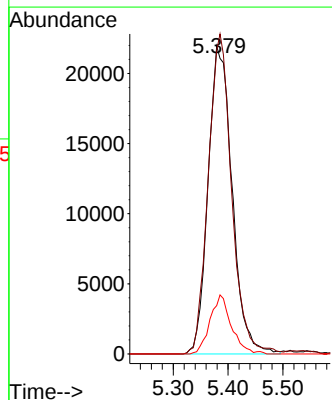
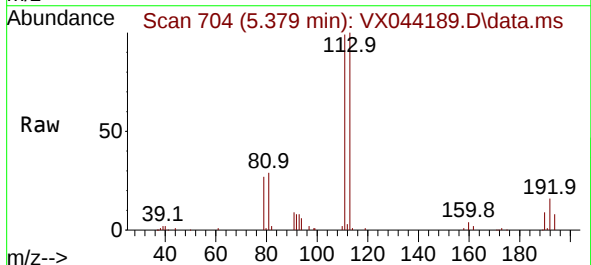
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

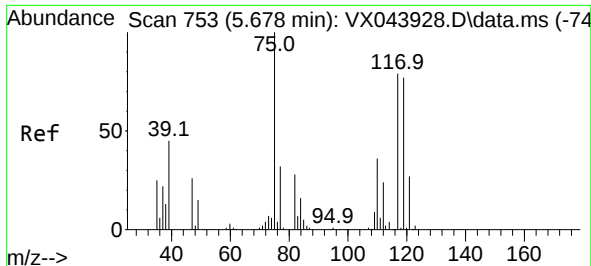
Tgt Ion:114 Resp: 204658
Ion Ratio Lower Upper
114 100
63 22.4 0.0 44.0
88 17.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.710 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion:113 Resp: 66846
Ion Ratio Lower Upper
113 100
111 100.9 81.0 121.4
192 17.0 13.0 19.6





#36

1,1-Dichloropropene

Concen: 5.653 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX044189.D

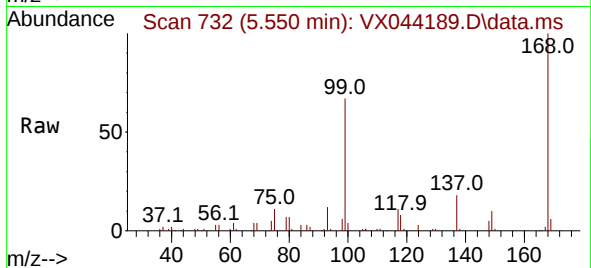
Acq: 09 Dec 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20241206



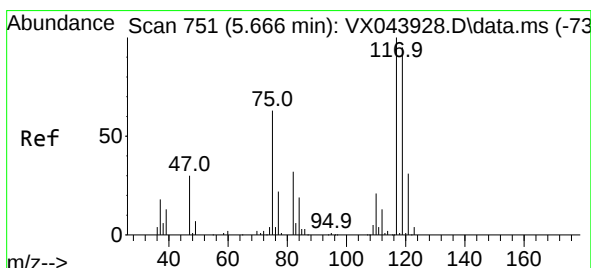
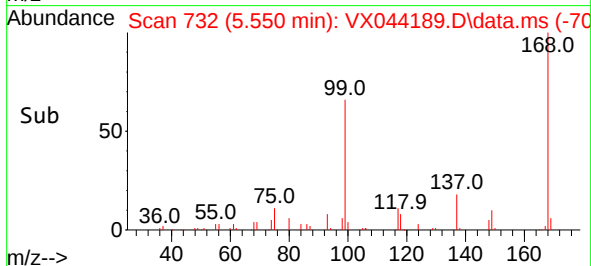
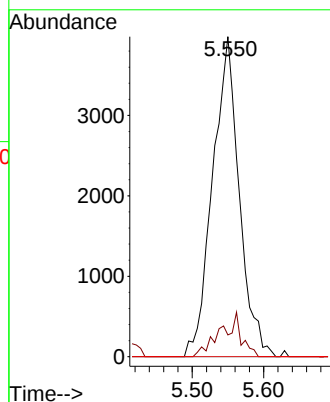
Tgt Ion: 75 Resp: 10301

Ion Ratio Lower Upper

75 100

110 5.9 17.4 52.2#

77 0.0 25.8 38.8#



#38

Carbon Tetrachloride

Concen: 6.164 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.122 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

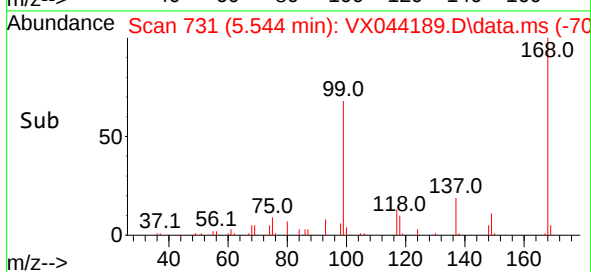
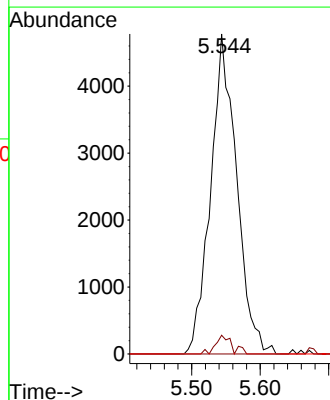
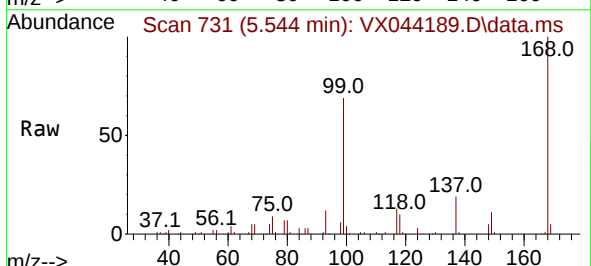
Tgt Ion: 117 Resp: 12621

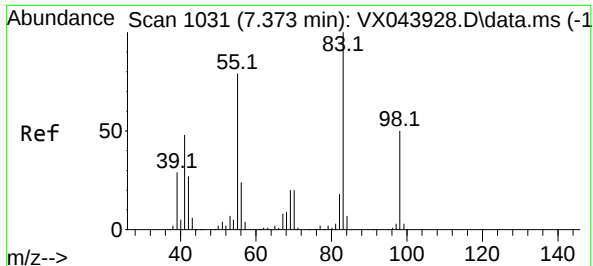
Ion Ratio Lower Upper

117 100

119 5.9 75.2 112.8#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.429 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20241206

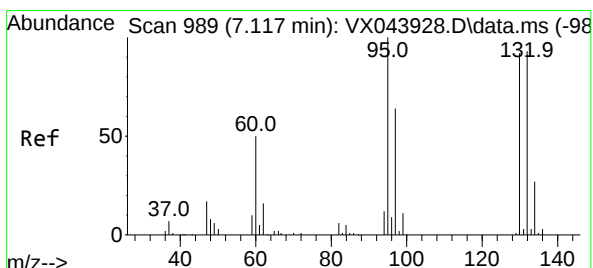
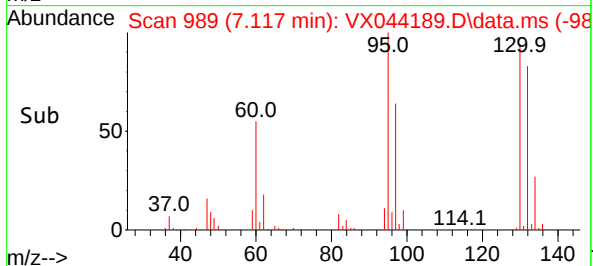
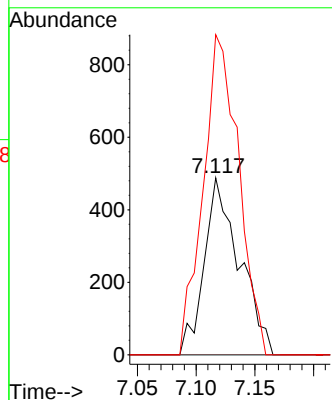
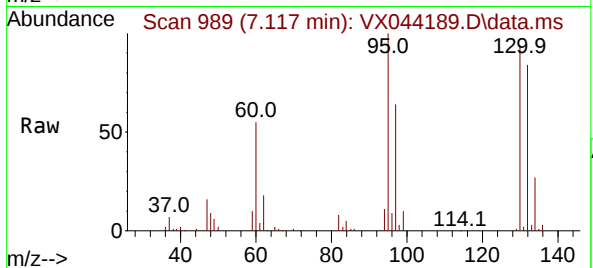
Tgt Ion: 83 Resp: 1016

Ion Ratio Lower Upper

83 100

55 0.0 63.1 94.7#

98 180.9 40.0 60.0#



#44

Trichloroethene

Concen: 39.636 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX044189.D

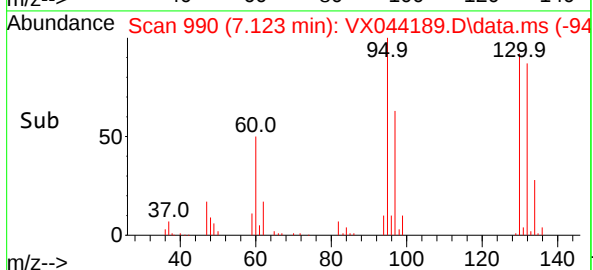
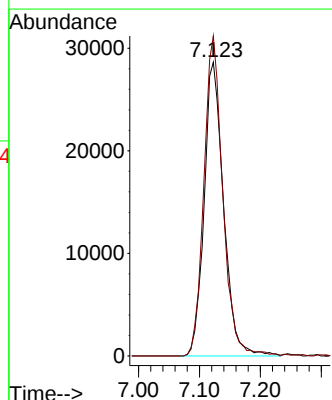
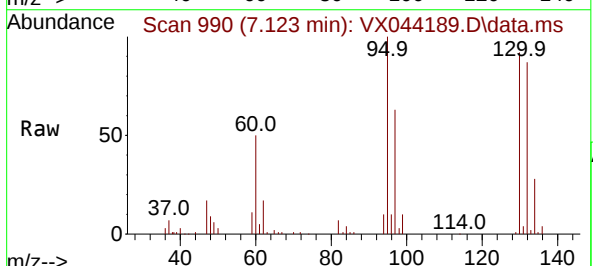
Acq: 09 Dec 2024 15:40

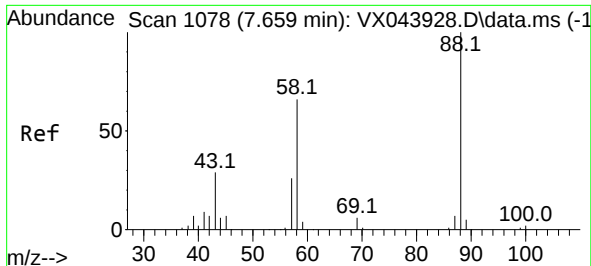
Tgt Ion:130 Resp: 63691

Ion Ratio Lower Upper

130 100

95 108.9 0.0 217.8

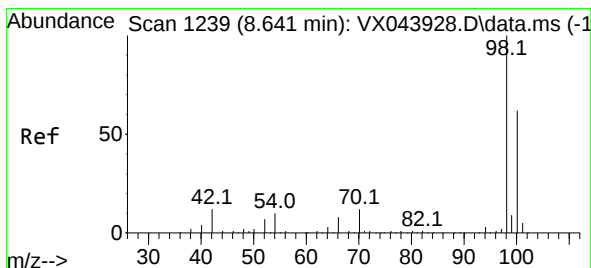
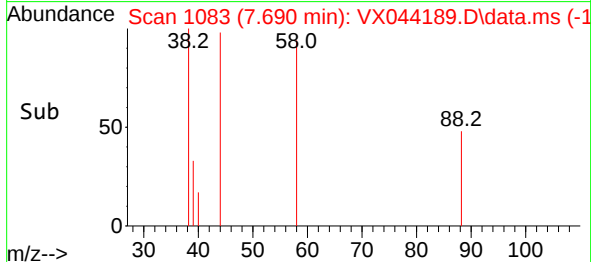
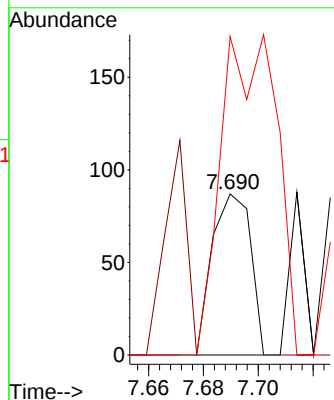
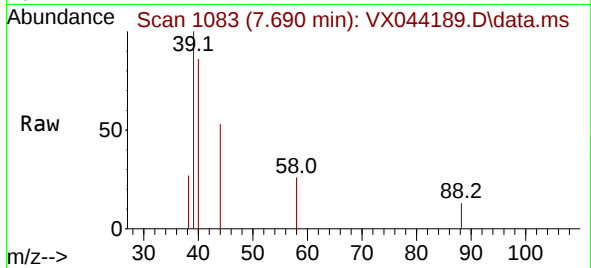




#49
1,4-Dioxane
Concen: 2.730 ug/l
RT: 7.690 min Scan# 1078
Delta R.T. 0.030 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

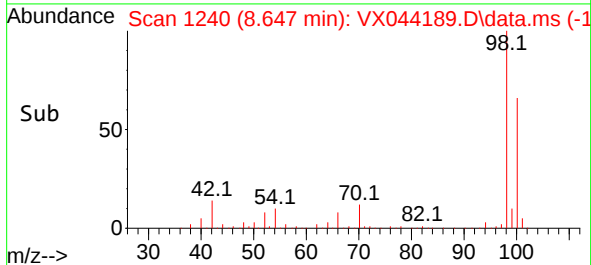
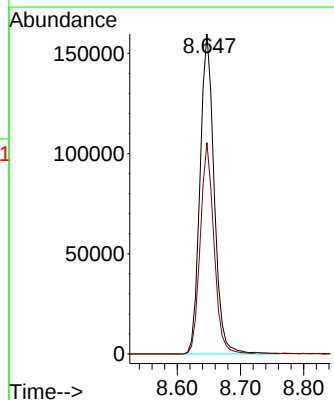
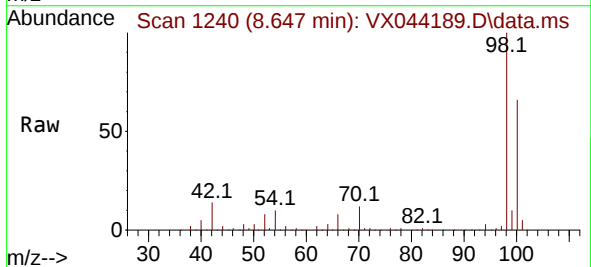
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

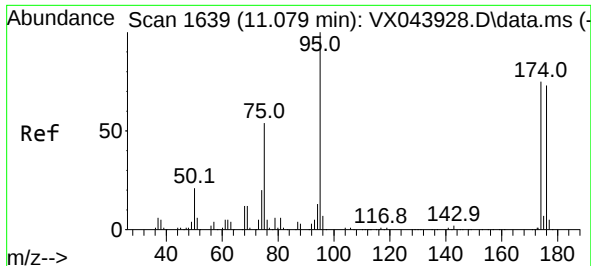
Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 76.2 26.8 40.2#
58 0.0 45.4 68.2#



#50
Toluene-d8
Concen: 49.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 98 Resp: 249398
Ion Ratio Lower Upper
98 100
100 63.7 52.6 79.0

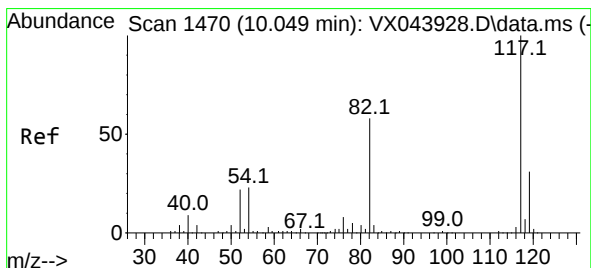
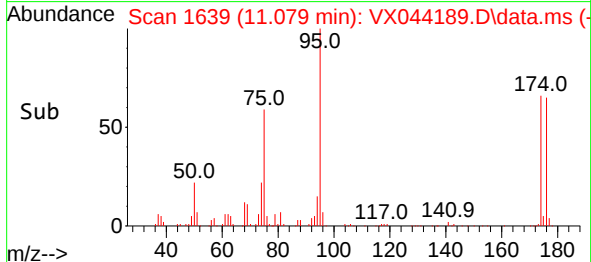
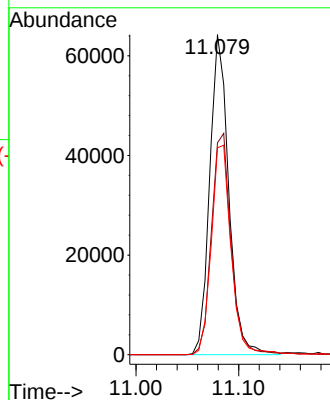
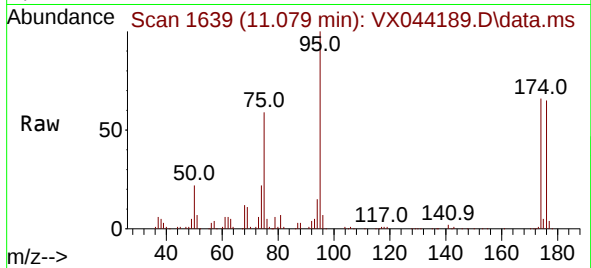




#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

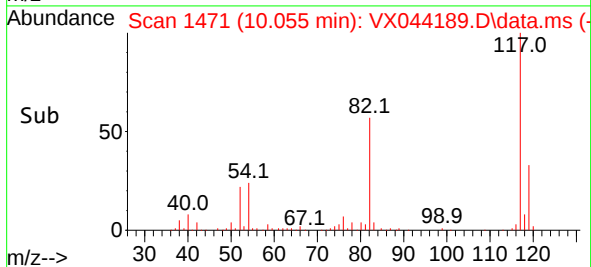
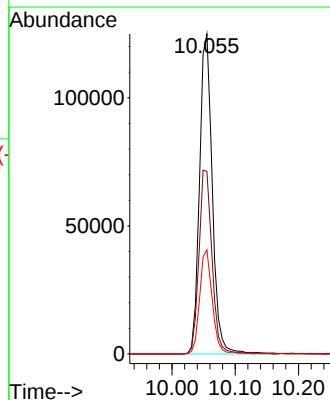
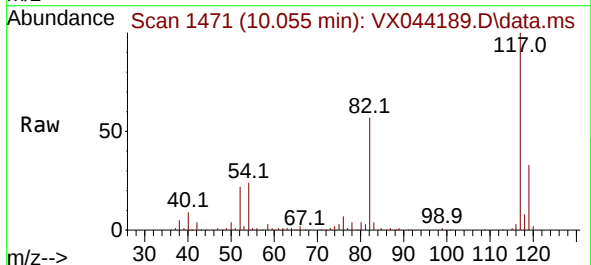
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

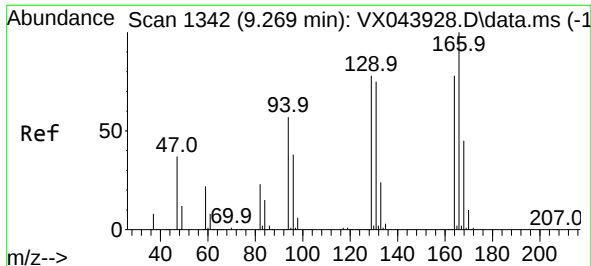
Tgt Ion: 95 Resp: 82640
Ion Ratio Lower Upper
95 100
174 72.0 0.0 150.4
176 68.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 117 Resp: 176157
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.5 24.6 37.0

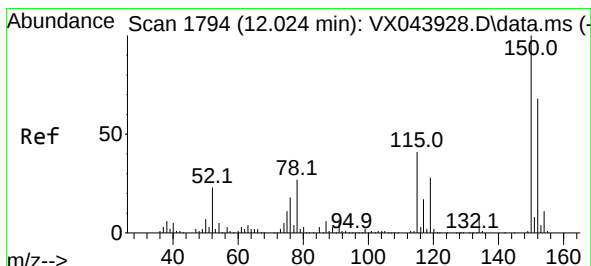
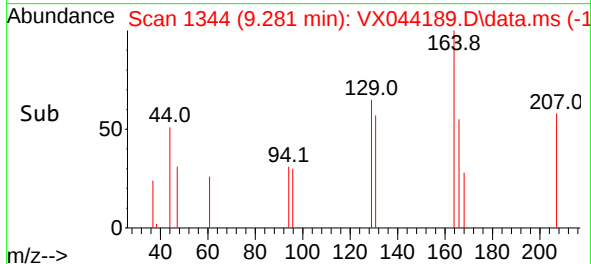
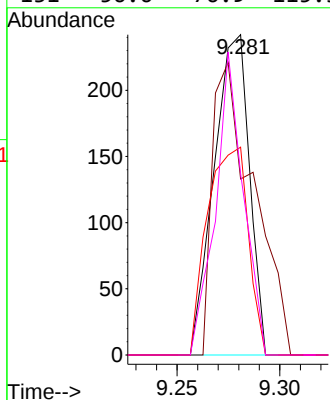
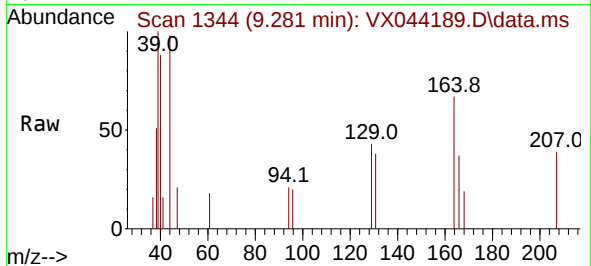




#64
Tetrachloroethene
Concen: 0.249 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

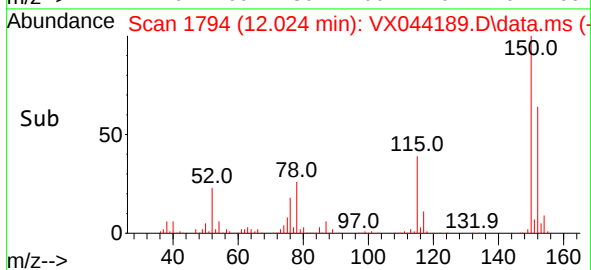
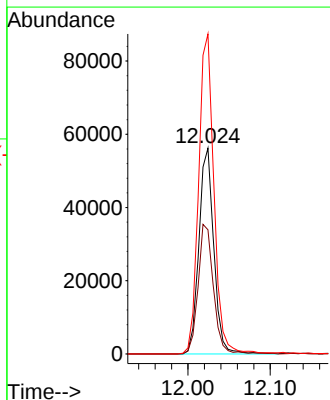
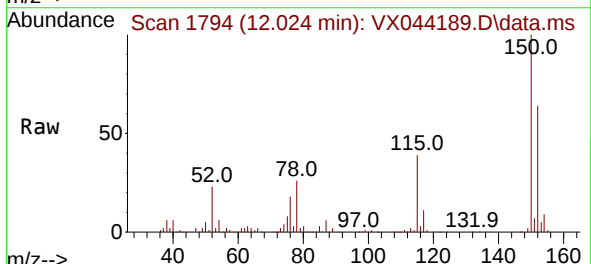
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

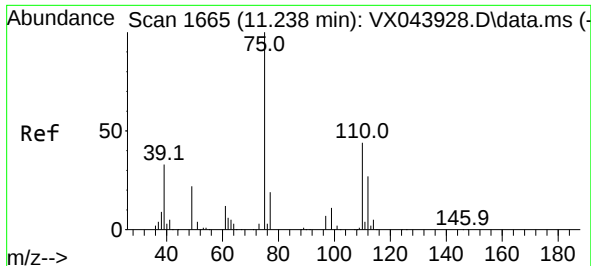
Tgt Ion:164	Resp:	289
Ion	Ratio	Lower Upper
164	100	
166	55.0	102.1 153.1#
129	64.9	79.6 119.4#
131	56.6	76.9 115.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion:152	Resp:	70850
Ion	Ratio	Lower Upper
152	100	
115	64.9	45.4 136.2
150	159.7	0.0 353.0

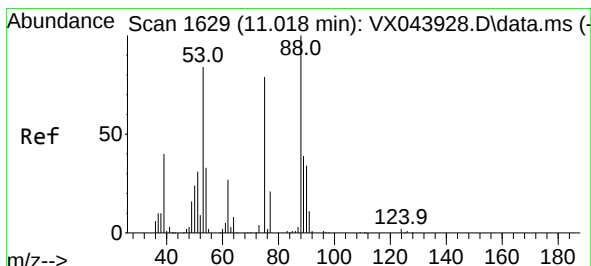
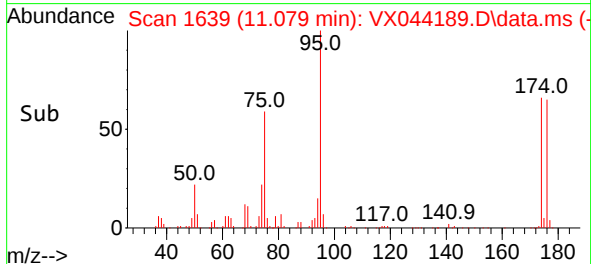
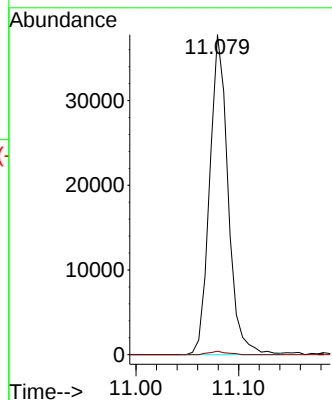
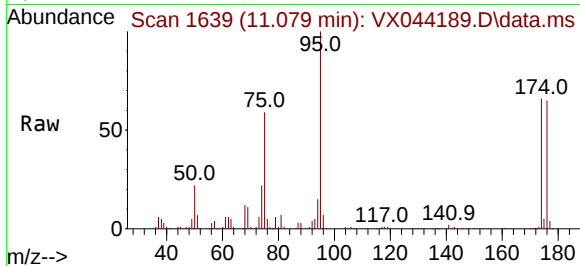




#76
1,2,3-Trichloropropane
Concen: 30.282 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Tgt Ion: 75 Resp: 47050
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.632 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 75 Resp: 47050
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#

