

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092624\
 Data File : VX043171.D
 Acq On : 26 Sep 2024 12:29
 Operator : JC/MD
 Sample : P4164-13RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

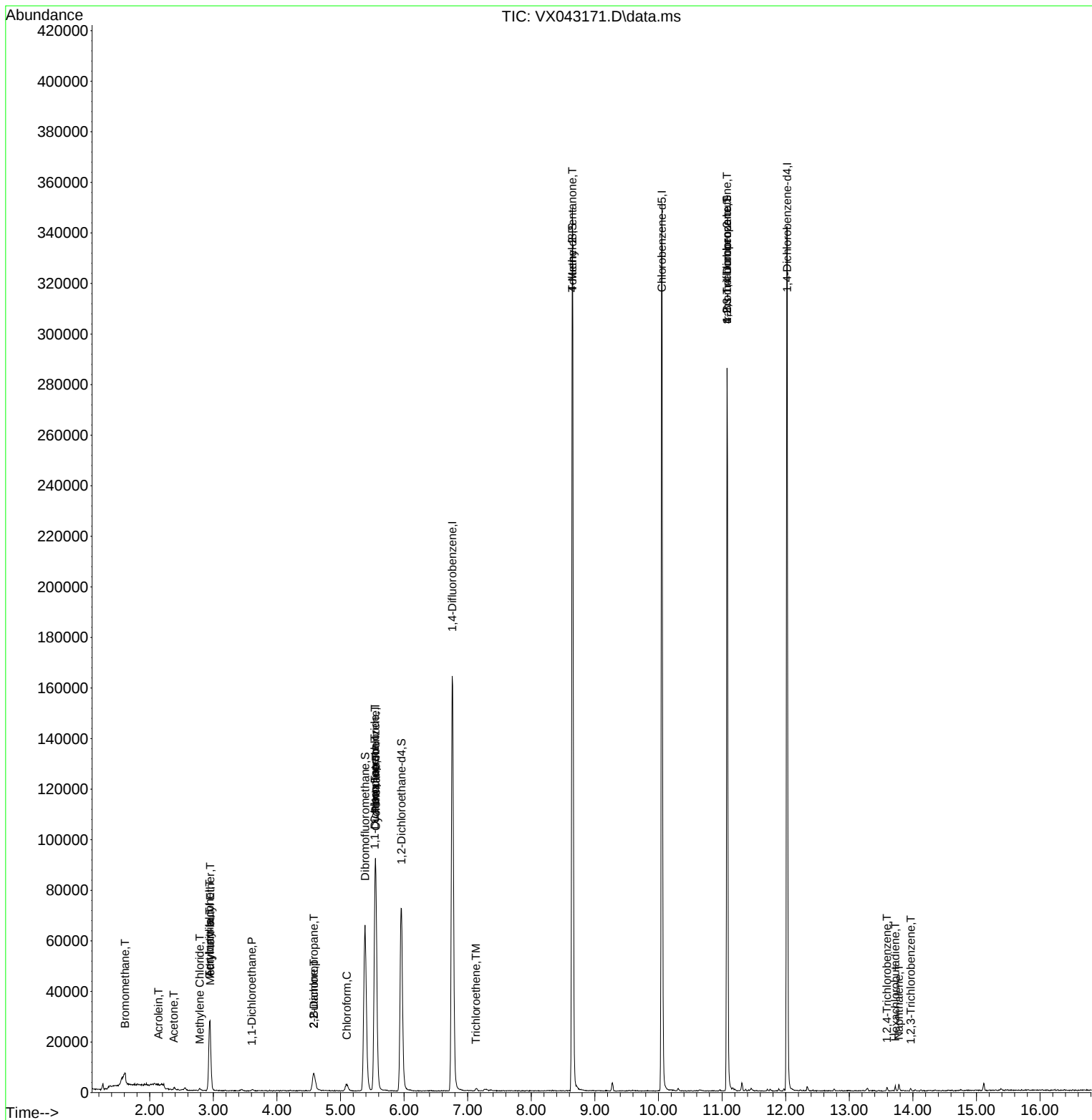
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D1-20240920

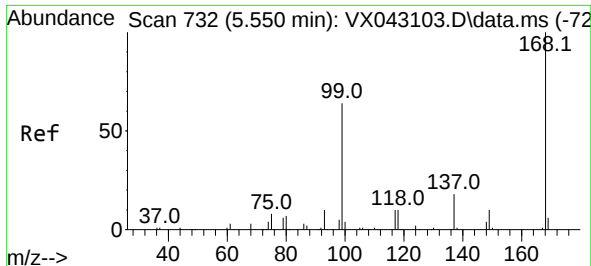
Quant Time: Sep 27 01:40:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75181	54.559	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.120%	
35) Dibromofluoromethane	5.385	113	58184	48.955	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.900%	
50) Toluene-d8	8.647	98	205284	51.052	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.100%	
62) 4-Bromofluorobenzene	11.079	95	77030	47.569	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.140%	
Target Compounds						Qvalue
5) Bromomethane	1.611	94	134	0.254	ug/l #	65
11) Tert butyl alcohol	2.940	59	16769	54.503	ug/l #	73
13) Acrolein	2.136	56	57	1.406	ug/l #	50
15) Acrylonitrile	2.940	53	282	0.528	ug/l #	16
16) Acetone	2.379	43	1068	1.657	ug/l #	88
19) Methyl tert-butyl Ether	2.953	73	816	0.244	ug/l #	71
20) Methylene Chloride	2.788	84	435	0.424	ug/l #	84
24) 1,1-Dichloroethane	3.605	63	871	0.493	ug/l #	81
25) 2-Butanone	4.580	43	565	0.680	ug/l #	49
26) 2,2-Dichloropropane	4.580	77	599	0.335	ug/l #	54
30) Chloroform	5.098	83	3339	1.713	ug/l	96
31) Cyclohexane	5.556	56	1971	1.454	ug/l #	9
36) 1,1-Dichloropropene	5.537	75	7780	5.327	ug/l #	48
38) Carbon Tetrachloride	5.544	117	9566	5.085	ug/l #	16
44) Trichloroethene	7.129	130	452	0.383	ug/l	61
51) 4-Methyl-2-Pentanone	8.647	43	1064	0.565	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	42307	27.896	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	42307	66.464	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	417	0.292	ug/l	92
94) Hexachlorobutadiene	13.725	225	281	0.468	ug/l	80
95) Naphthalene	13.780	128	2075	0.418	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.969	180	379	0.267	ug/l #	87

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
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QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration

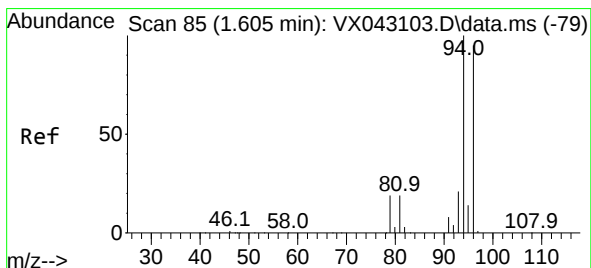
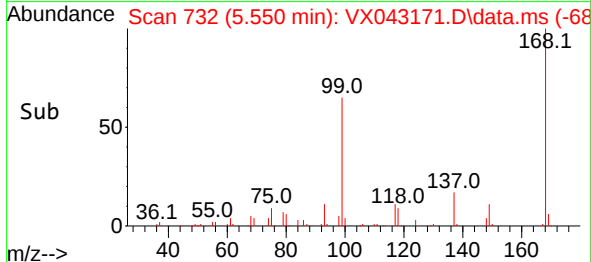
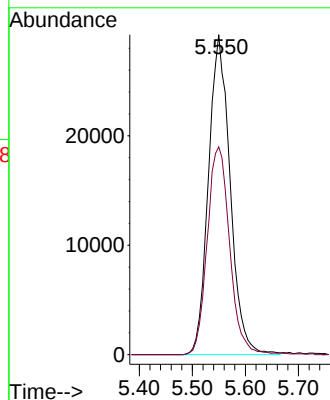
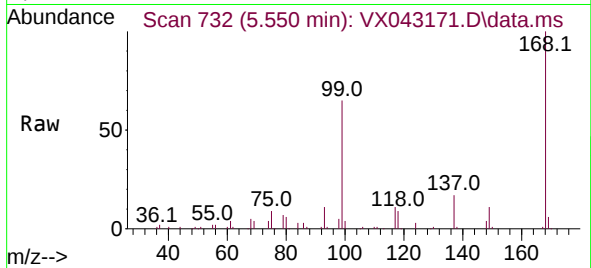




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

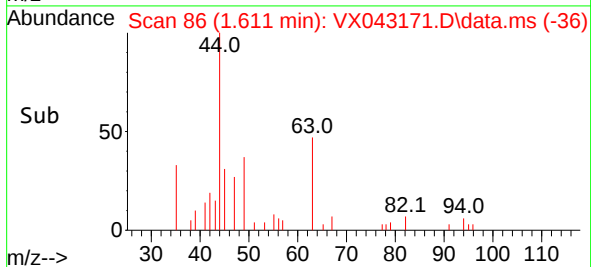
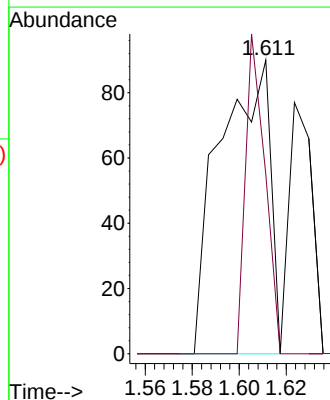
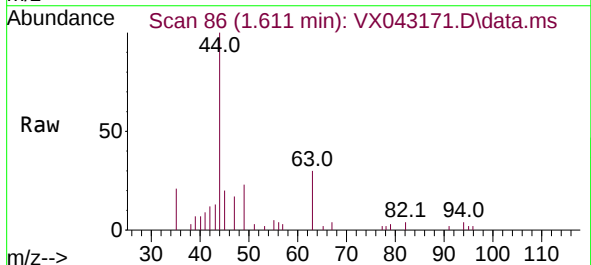
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

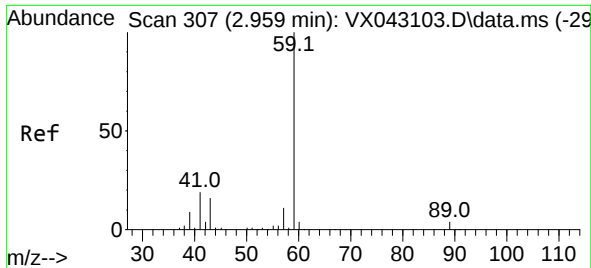
Tgt Ion:168 Resp: 82959
Ion Ratio Lower Upper
168 100
99 64.9 50.8 76.2



#5
Bromomethane
Concen: 0.254 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 61.1 76.2 114.4#





#11

Tert butyl alcohol

Concen: 54.503 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.019 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

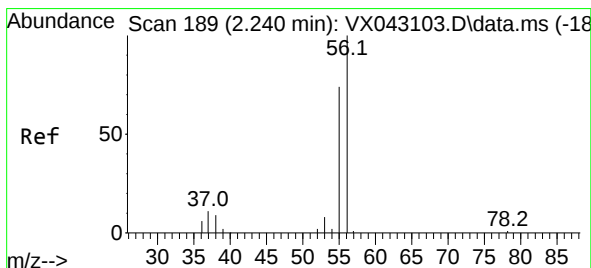
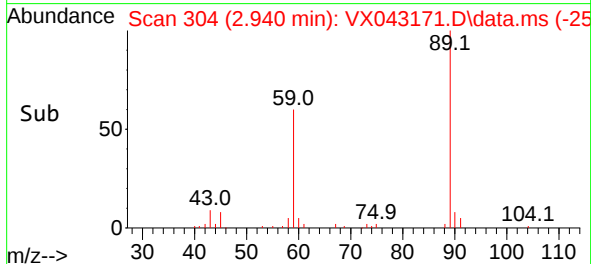
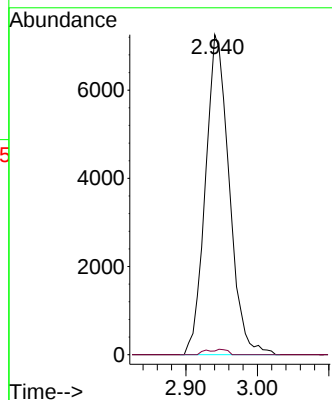
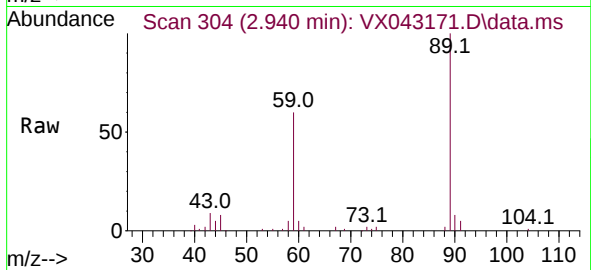
RE135D1-20240920

Tgt Ion: 59 Resp: 16769

Ion Ratio Lower Upper

59 100

57 0.7 8.6 13.0#



#13

Acrolein

Concen: 1.406 ug/l

RT: 2.136 min Scan# 172

Delta R.T. -0.104 min

Lab File: VX043171.D

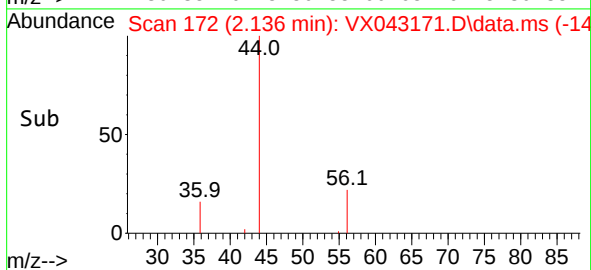
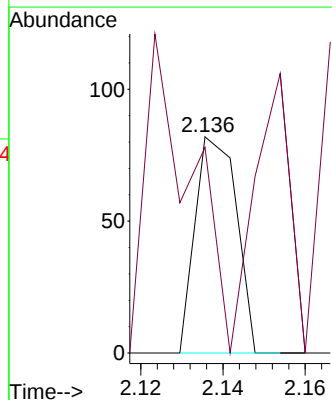
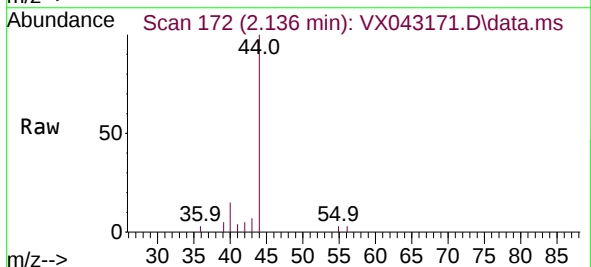
Acq: 26 Sep 2024 12:29

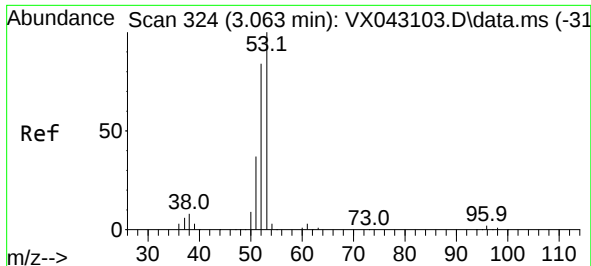
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 110.5 55.8 83.6#





#15

Acrylonitrile

Concen: 0.528 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.122 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20240920

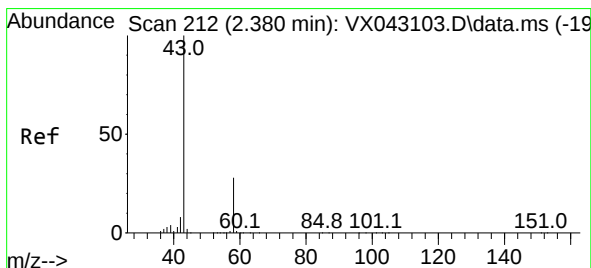
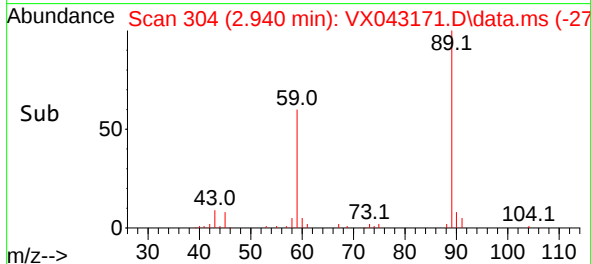
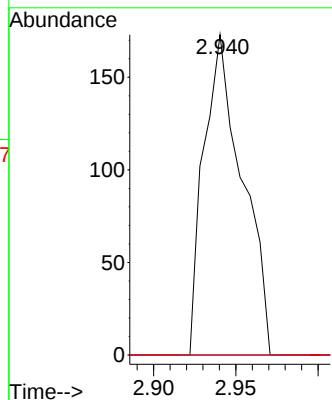
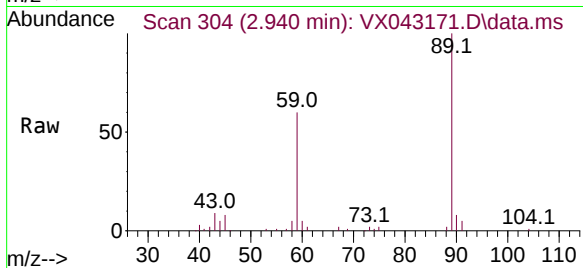
Tgt Ion: 53 Resp: 282

Ion Ratio Lower Upper

53 100

52 0.0 67.8 101.6#

51 0.0 30.6 45.8#



#16

Acetone

Concen: 1.657 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043171.D

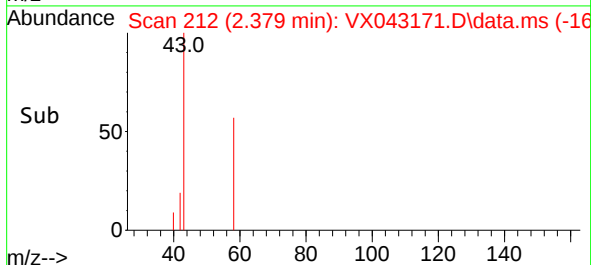
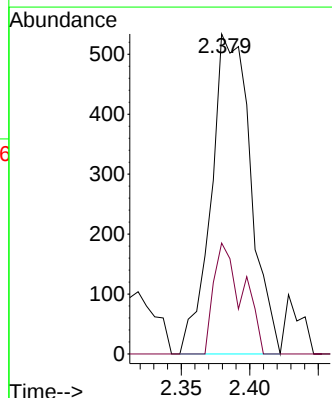
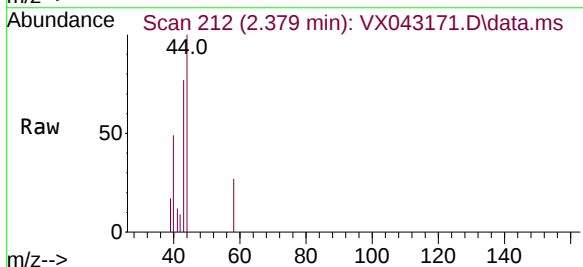
Acq: 26 Sep 2024 12:29

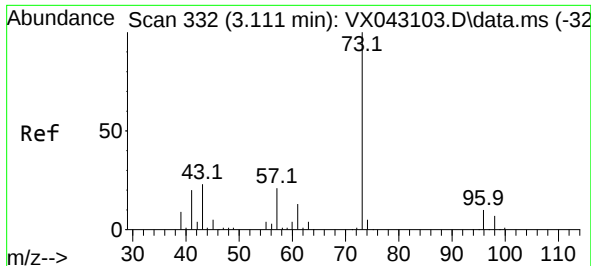
Tgt Ion: 43 Resp: 1068

Ion Ratio Lower Upper

43 100

58 34.6 22.6 34.0#





#19

Methyl tert-butyl Ether

Concen: 0.244 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.159 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

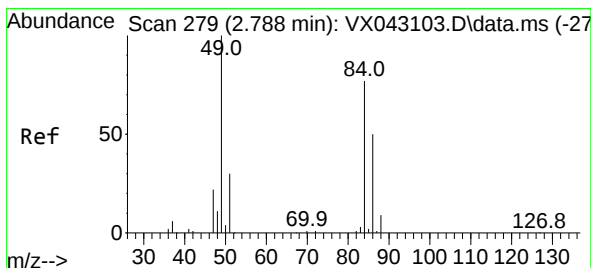
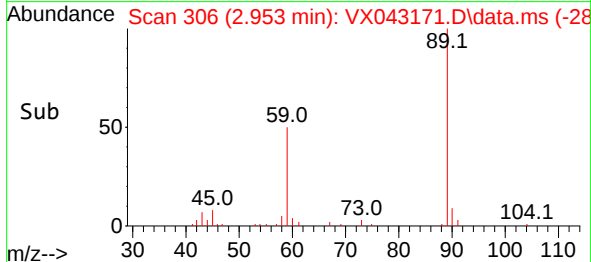
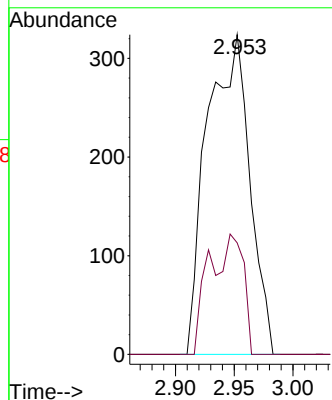
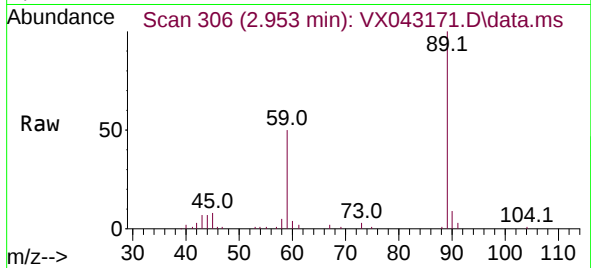
RE135D1-20240920

Tgt Ion: 73 Resp: 816

Ion Ratio Lower Upper

73 100

57 34.9 17.0 25.4#



#20

Methylene Chloride

Concen: 0.424 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Tgt Ion: 84 Resp: 435

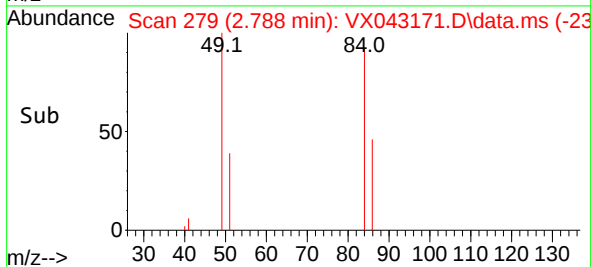
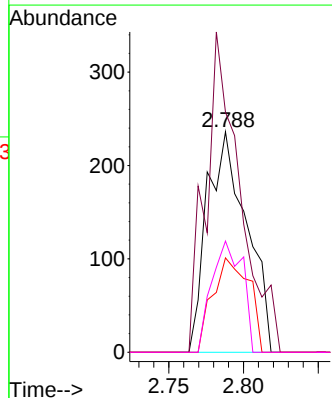
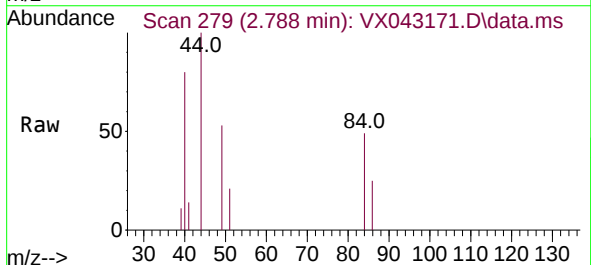
Ion Ratio Lower Upper

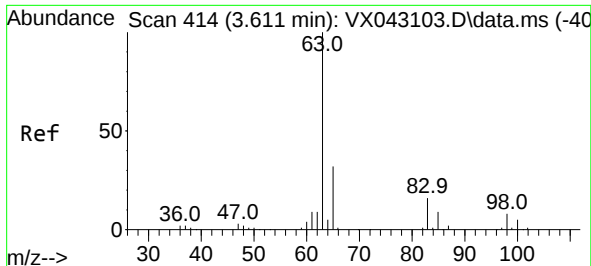
84 100

49 108.9 104.1 156.1

51 42.8 31.1 46.7

86 50.4 52.1 78.1#

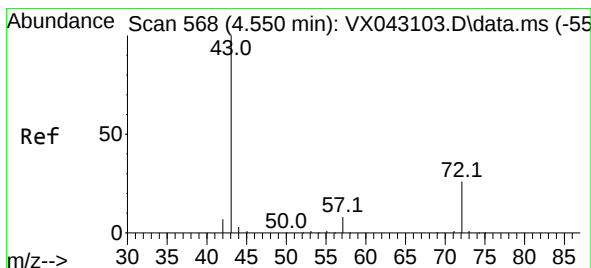
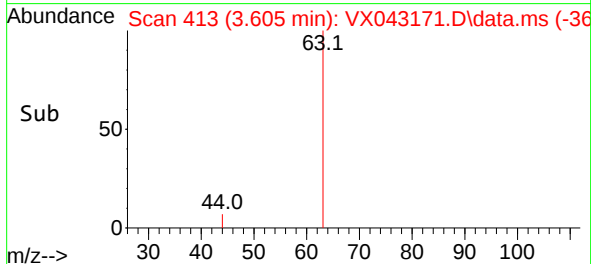
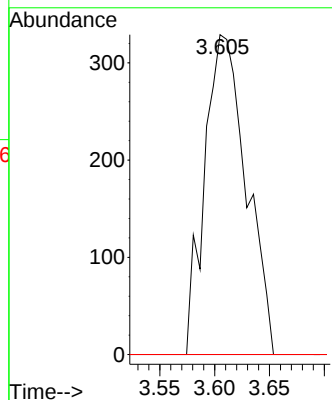
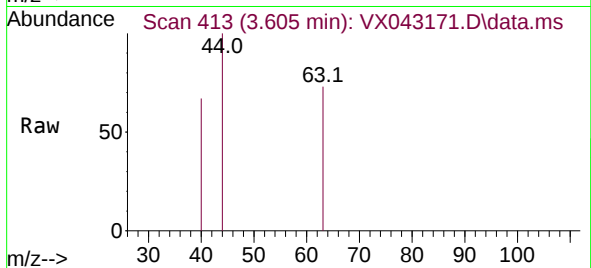




#24
1,1-Dichloroethane
Concen: 0.493 ug/l
RT: 3.605 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

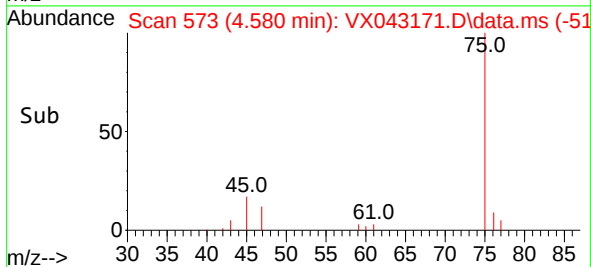
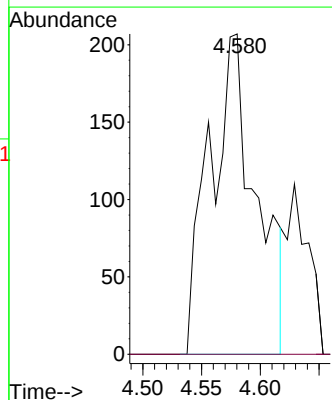
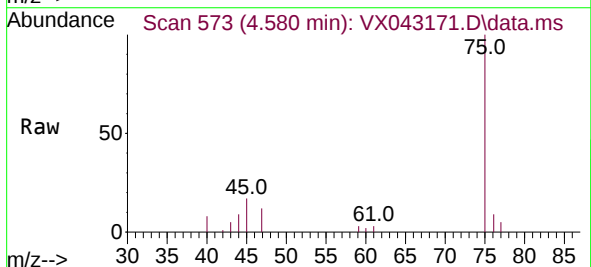
Instrument :
MSVOA_X
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RE135D1-20240920

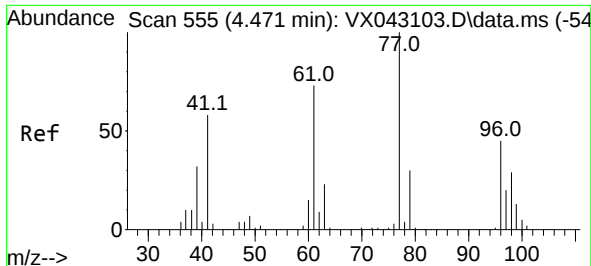
Tgt Ion: 63 Resp: 871
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.5#
100 0.0 2.5 7.6#



#25
2-Butanone
Concen: 0.680 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.030 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#

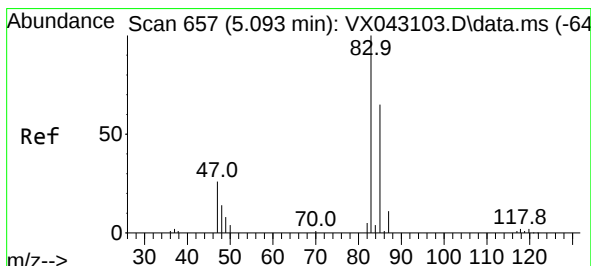
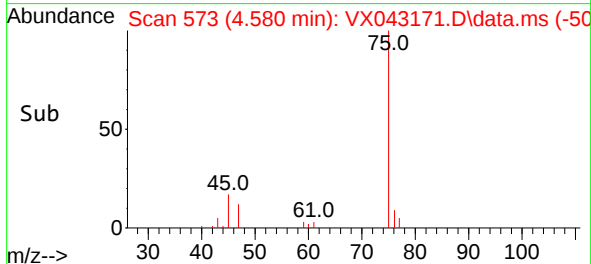
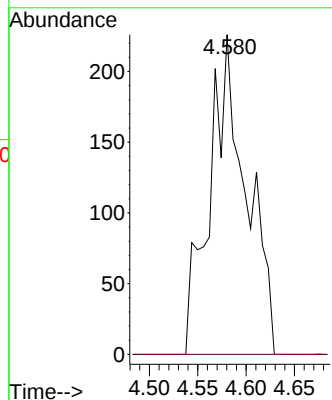
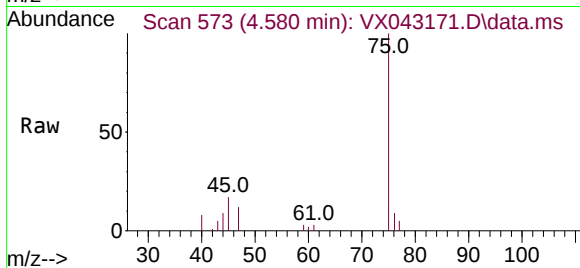




#26
2,2-Dichloropropane
Concen: 0.335 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.109 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

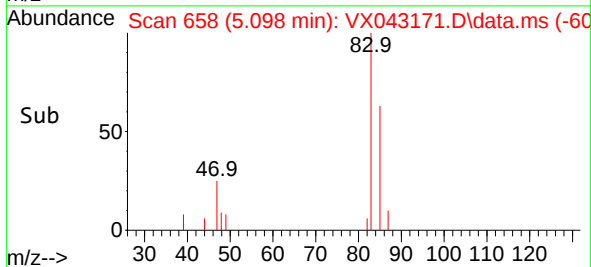
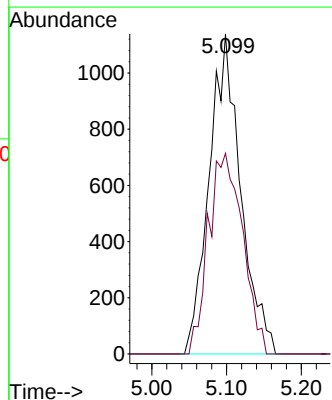
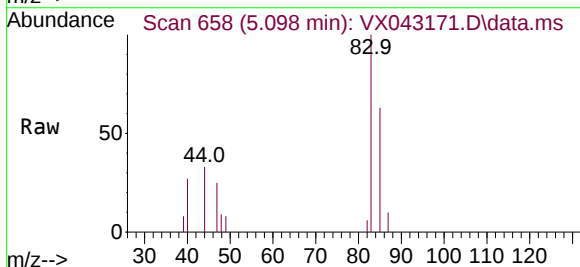
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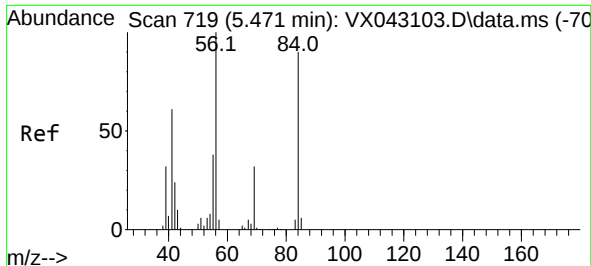
Tgt Ion: 77 Resp: 599
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#30
Chloroform
Concen: 1.713 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion: 83 Resp: 3339
Ion Ratio Lower Upper
83 100
85 62.7 52.4 78.6





#31

Cyclohexane

Concen: 1.454 ug/l

RT: 5.556 min Scan# 719

Delta R.T. 0.085 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20240920

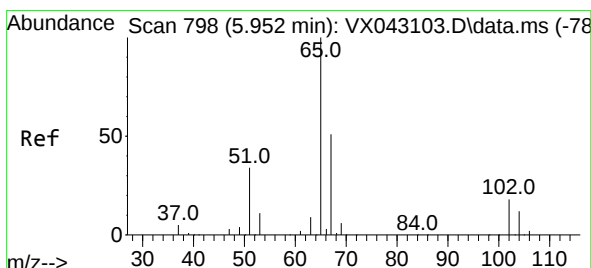
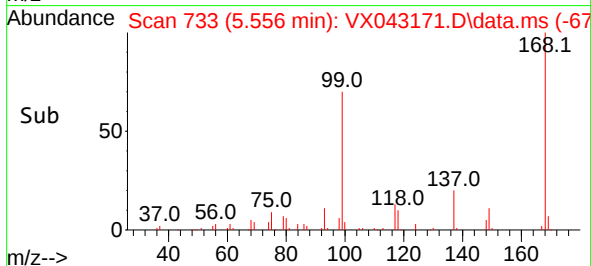
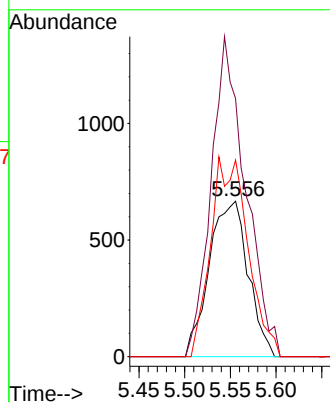
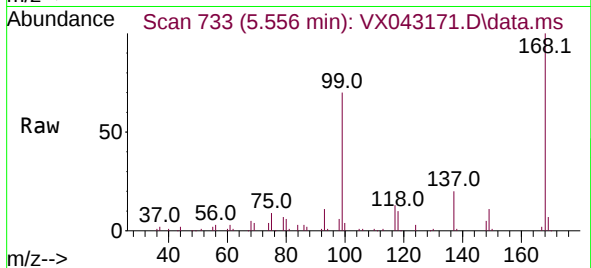
Tgt Ion: 56 Resp: 1971

Ion Ratio Lower Upper

56 100

69 166.0 25.8 38.6#

84 126.4 72.4 108.6#



#33

1,2-Dichloroethane-d4

Concen: 54.559 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX043171.D

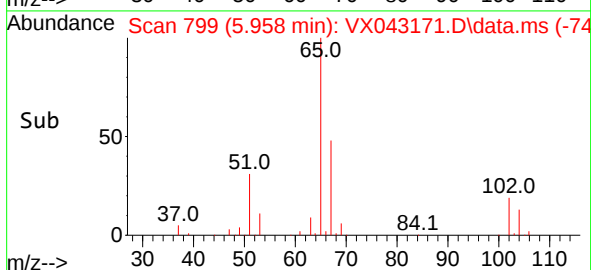
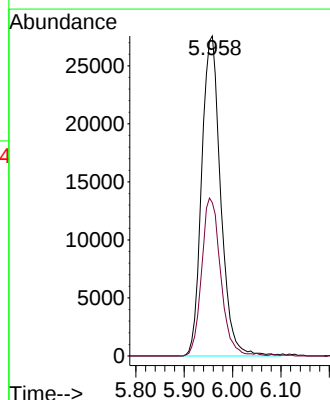
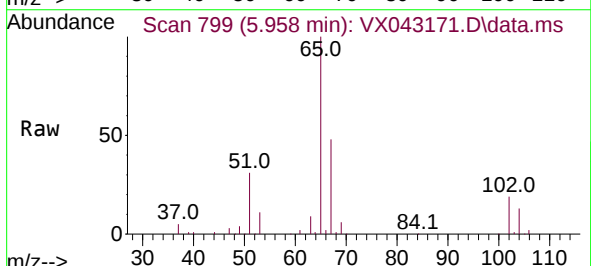
Acq: 26 Sep 2024 12:29

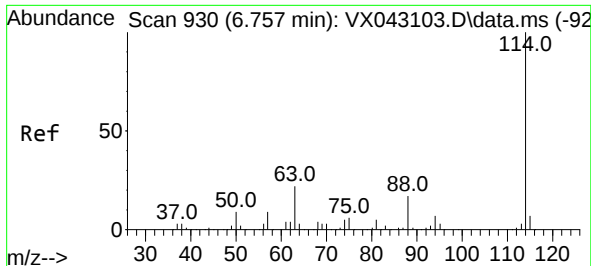
Tgt Ion: 65 Resp: 75181

Ion Ratio Lower Upper

65 100

67 49.6 0.0 99.0

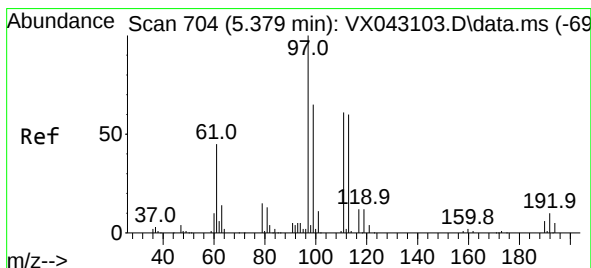
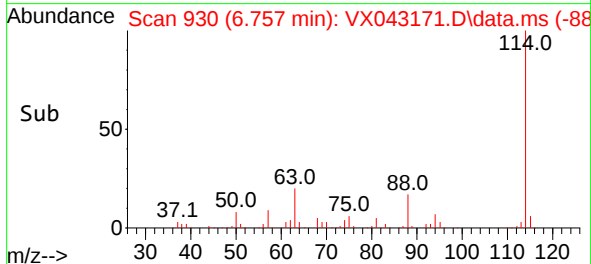
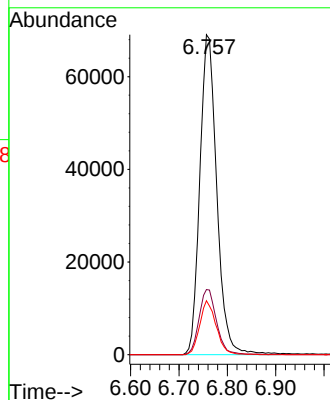
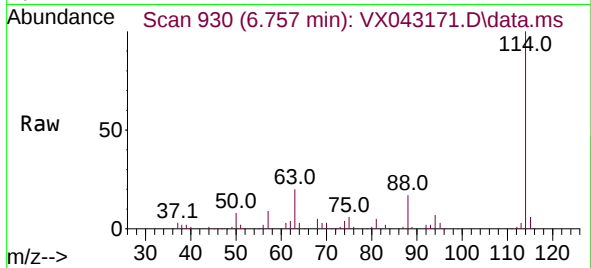




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

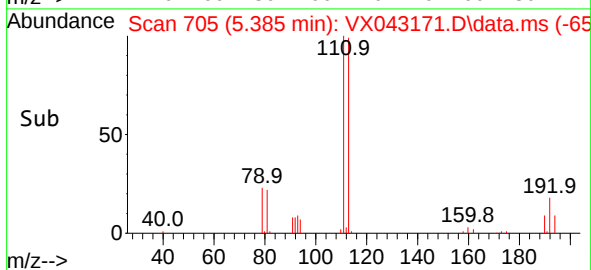
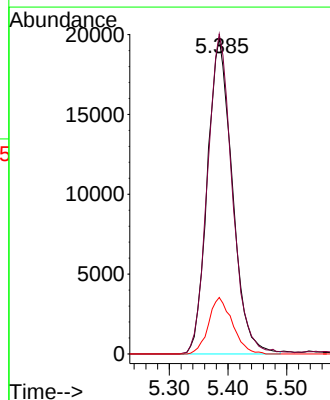
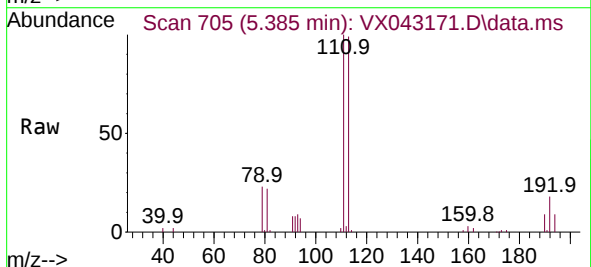
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

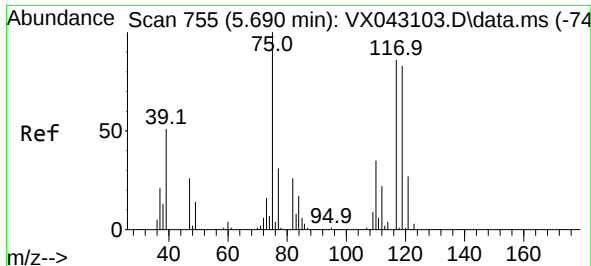
Tgt Ion:114 Resp: 168482
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.2
88 16.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.955 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion:113 Resp: 58184
Ion Ratio Lower Upper
113 100
111 100.8 82.6 124.0
192 17.1 14.6 22.0





#36

1,1-Dichloropropene

Concen: 5.327 ug/l

RT: 5.537 min Scan# 711

Delta R.T. -0.153 min

Lab File: VX043171.D

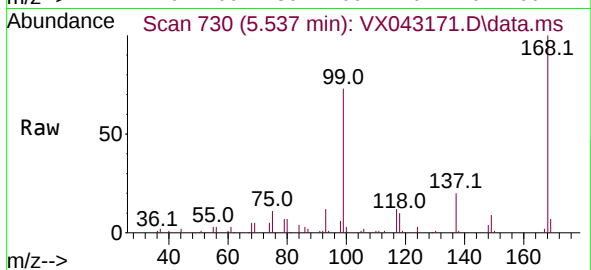
Acq: 26 Sep 2024 12:29

Instrument :

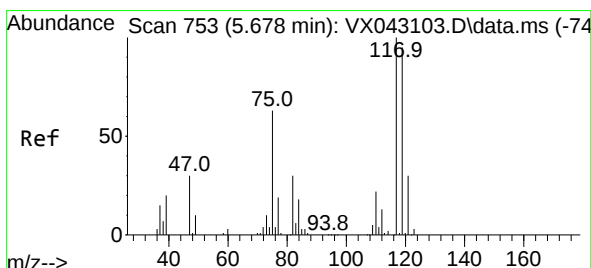
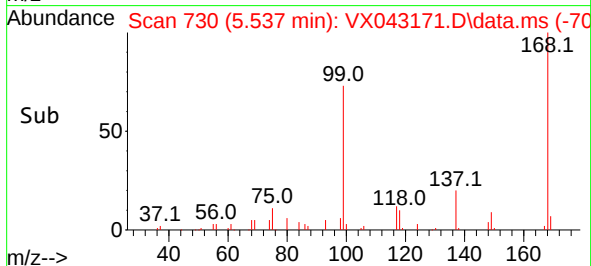
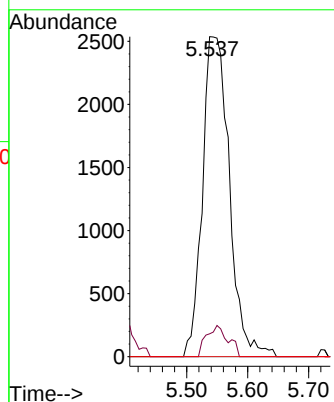
MSVOA_X

ClientSampleId :

RE135D1-20240920



Tgt Ion:	75	Resp:	7780
Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.4#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 5.085 ug/l

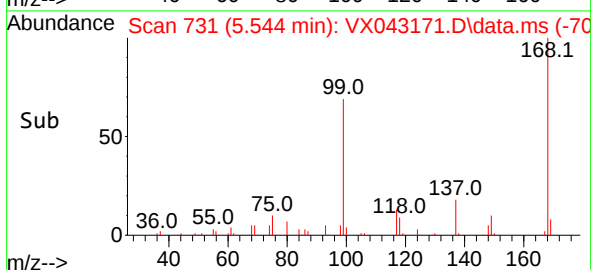
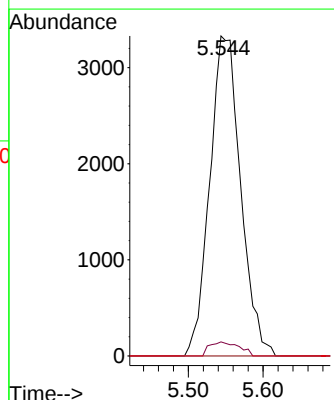
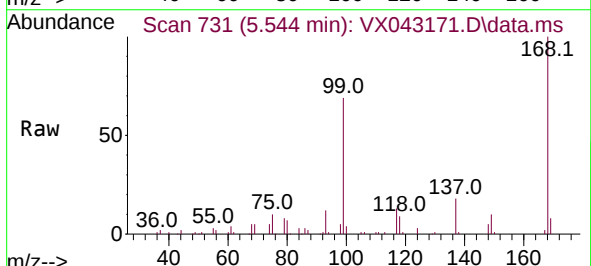
RT: 5.544 min Scan# 731

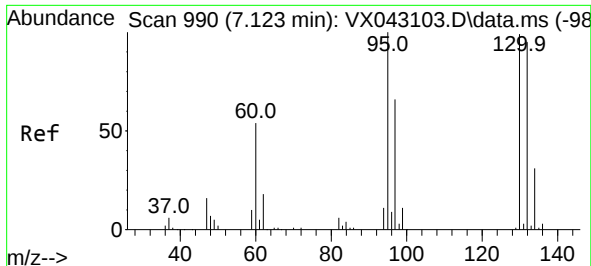
Delta R.T. -0.134 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Tgt Ion:	117	Resp:	9566
Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.5	113.3#
121	0.0	24.2	36.2#

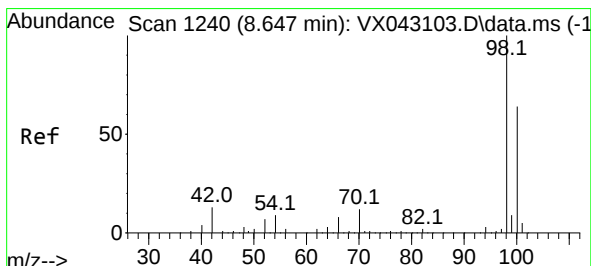
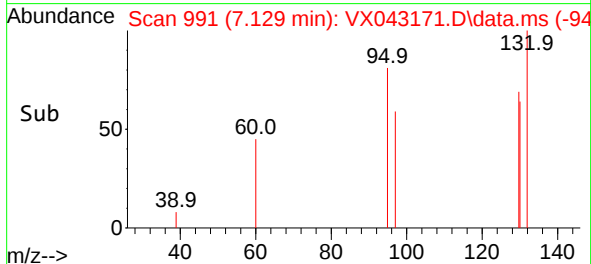
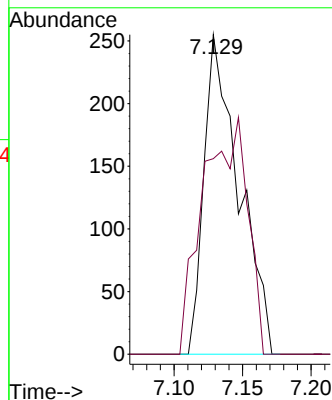
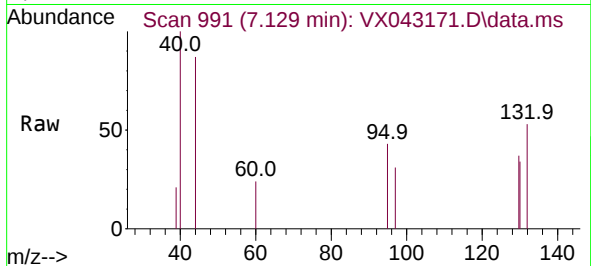




#44
Trichloroethene
Concen: 0.383 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

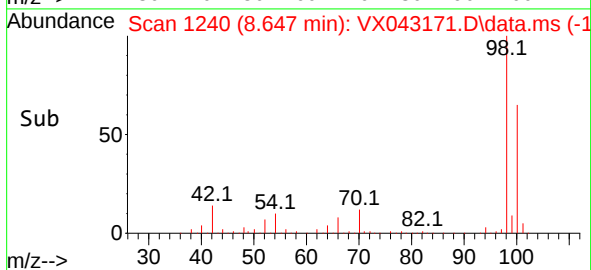
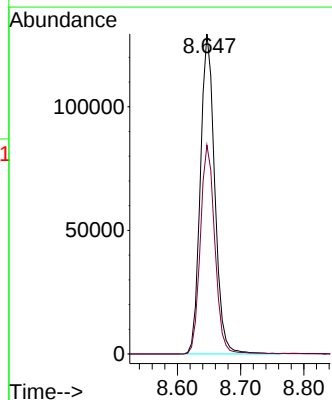
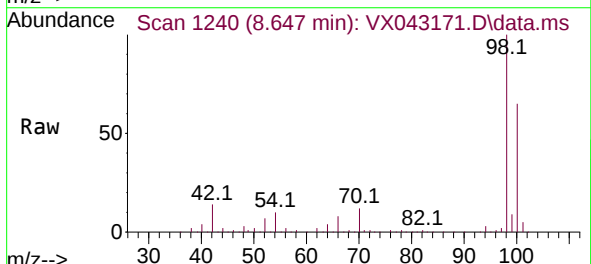
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

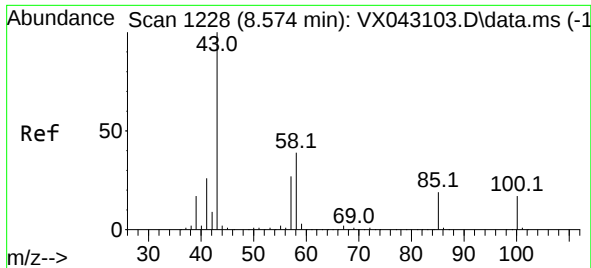
Tgt Ion:130 Resp: 452
Ion Ratio Lower Upper
130 100
95 61.2 0.0 201.6



#50
Toluene-d8
Concen: 51.052 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion: 98 Resp: 205284
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4

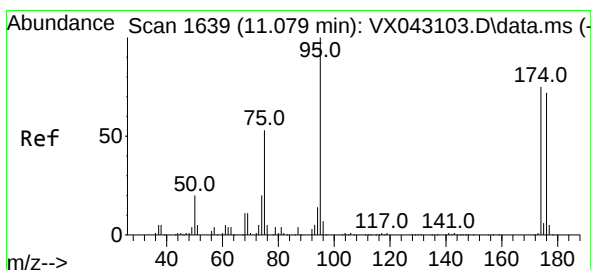
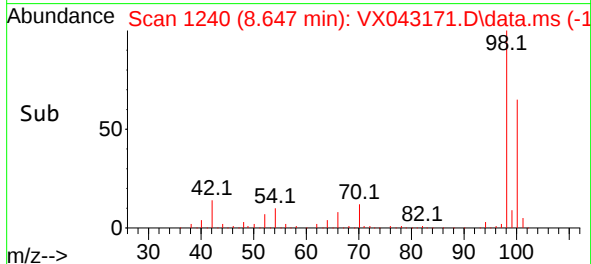
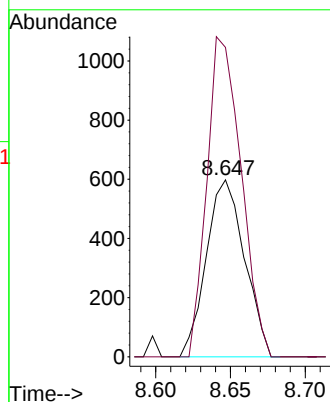
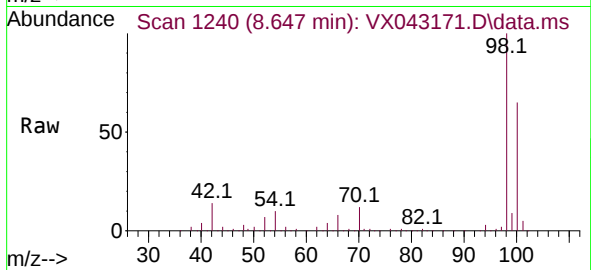




#51
4-Methyl-2-Pentanone
Concen: 0.565 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

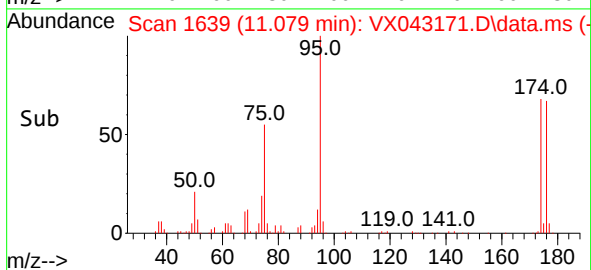
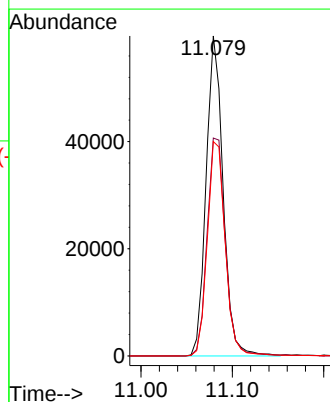
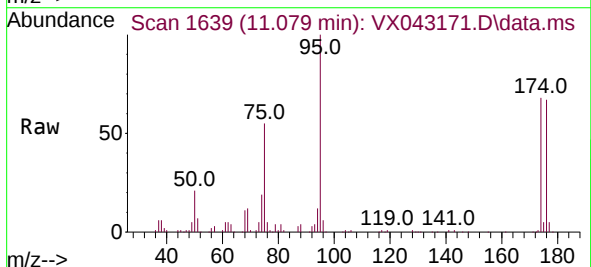
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

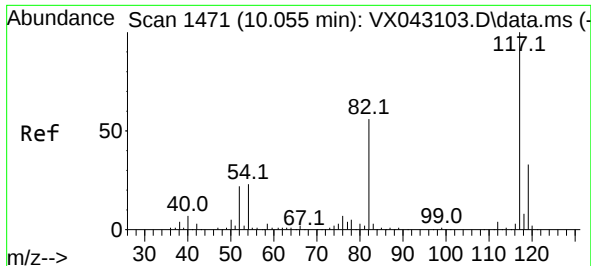
Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 162.0 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 47.569 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion: 95 Resp: 77030
Ion Ratio Lower Upper
95 100
174 73.1 0.0 146.0
176 70.8 0.0 142.6

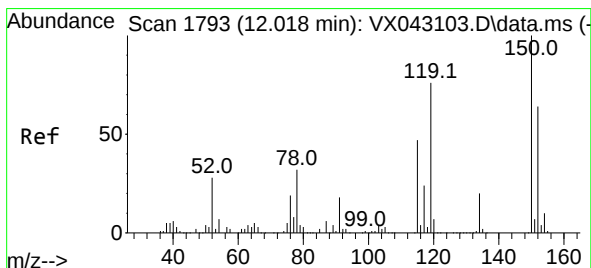
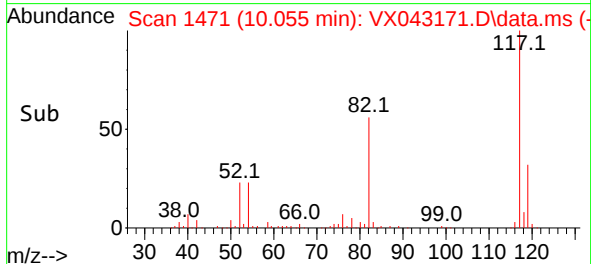
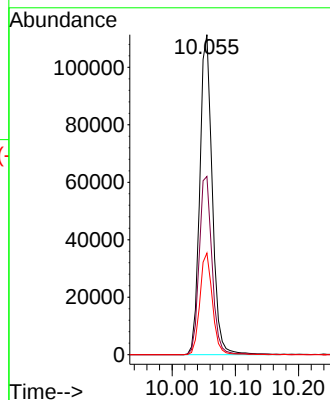
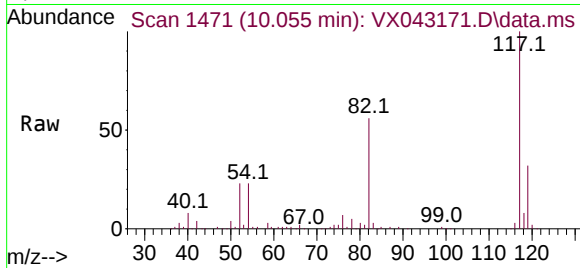




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

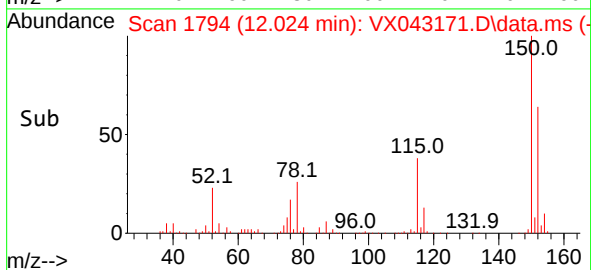
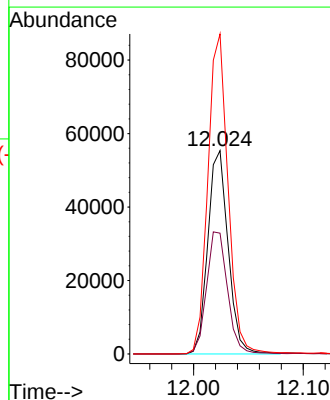
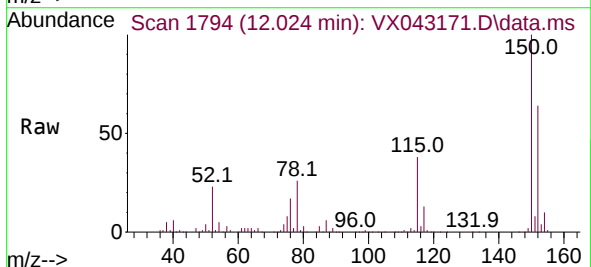
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

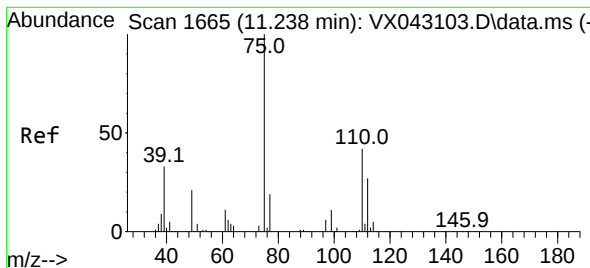
Tgt Ion:117 Resp: 152978
Ion Ratio Lower Upper
117 100
82 55.7 44.7 67.1
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion:152 Resp: 71334
Ion Ratio Lower Upper
152 100
115 62.0 43.7 131.1
150 156.9 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 27.896 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

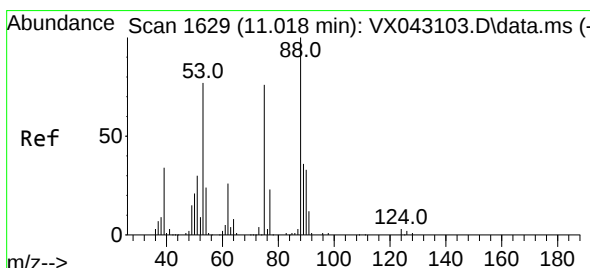
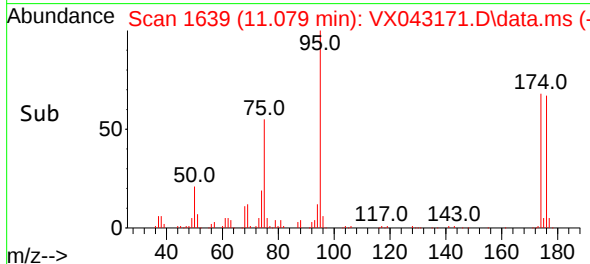
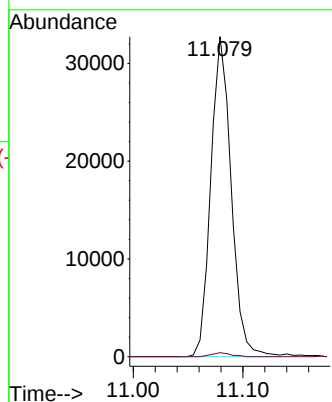
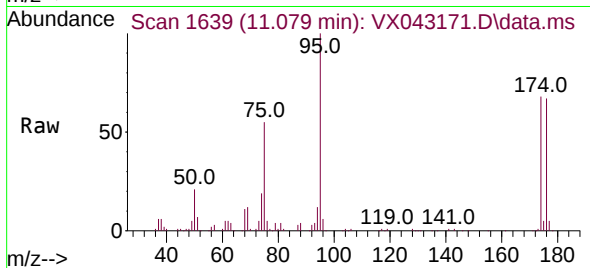
RE135D1-20240920

Tgt Ion: 75 Resp: 42307

Ion Ratio Lower Upper

75 100

77 1.2 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

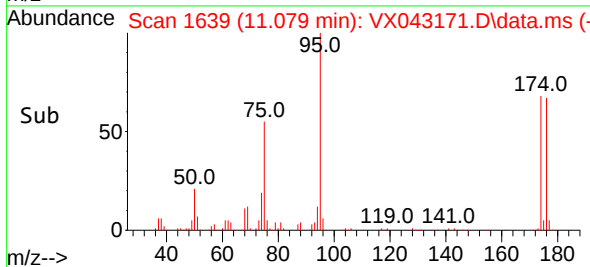
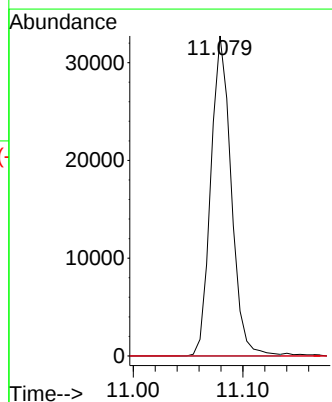
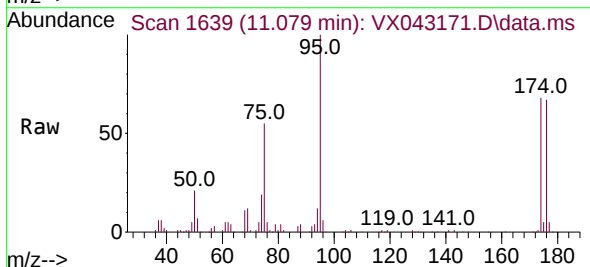
Tgt Ion: 75 Resp: 42307

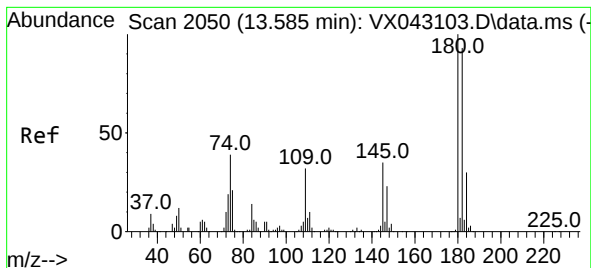
Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.292 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20240920

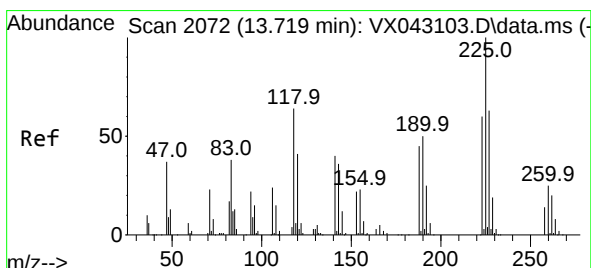
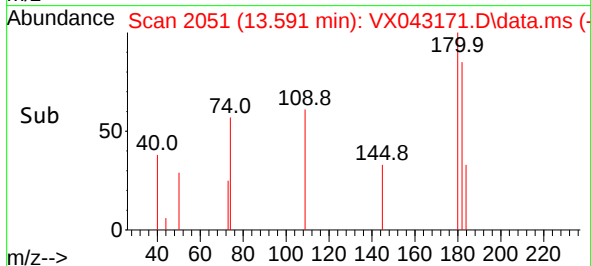
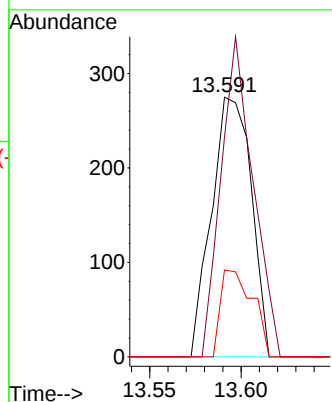
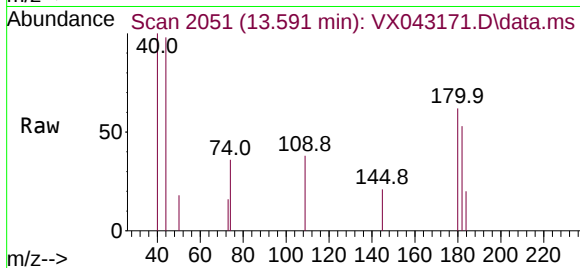
Tgt Ion:180 Resp: 417

Ion Ratio Lower Upper

180 100

182 99.3 46.7 140.0

145 26.9 17.0 50.9



#94

Hexachlorobutadiene

Concen: 0.468 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX043171.D

Acq: 26 Sep 2024 12:29

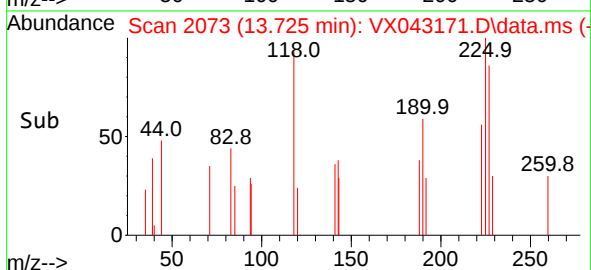
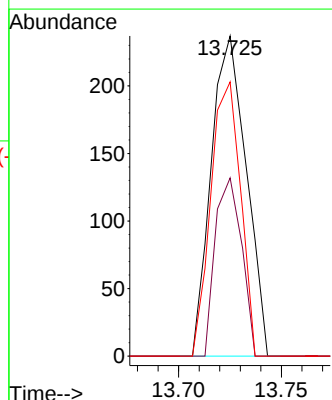
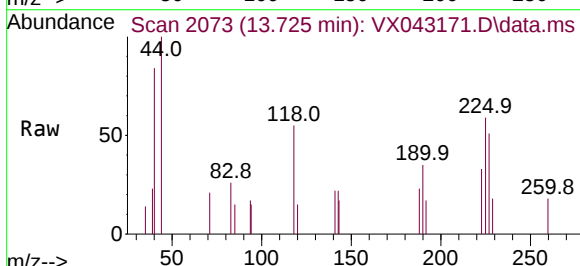
Tgt Ion:225 Resp: 281

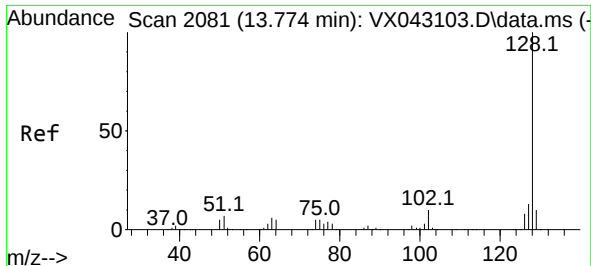
Ion Ratio Lower Upper

225 100

223 41.6 31.8 95.4

227 72.6 31.9 95.7

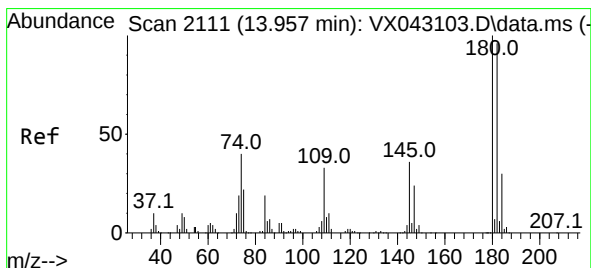
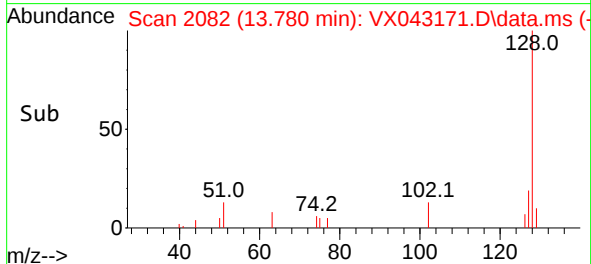
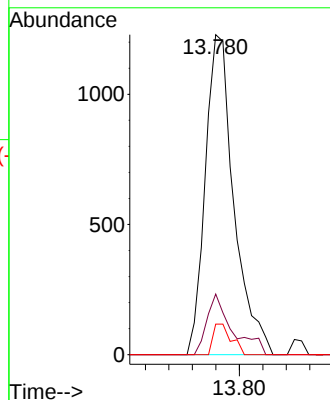
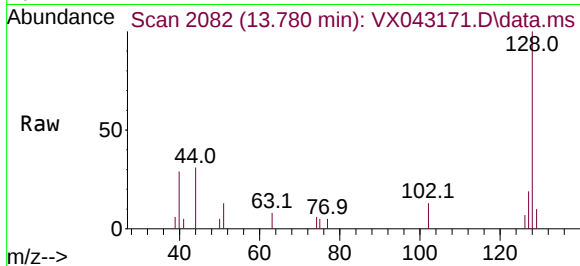




#95
Naphthalene
Concen: 0.418 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

Tgt Ion:128 Resp: 2075
Ion Ratio Lower Upper
128 100
127 16.8 10.2 15.4#
129 6.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.267 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX043171.D
Acq: 26 Sep 2024 12:29

Tgt Ion:180 Resp: 379
Ion Ratio Lower Upper
180 100
182 101.1 47.8 143.4
145 17.2 17.7 53.1#

