

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100424\
 Data File : VX043286.D
 Acq On : 04 Oct 2024 14:05
 Operator : JC/MD
 Sample : P4263-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP11-20240930

Quant Time: Oct 04 23:30:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

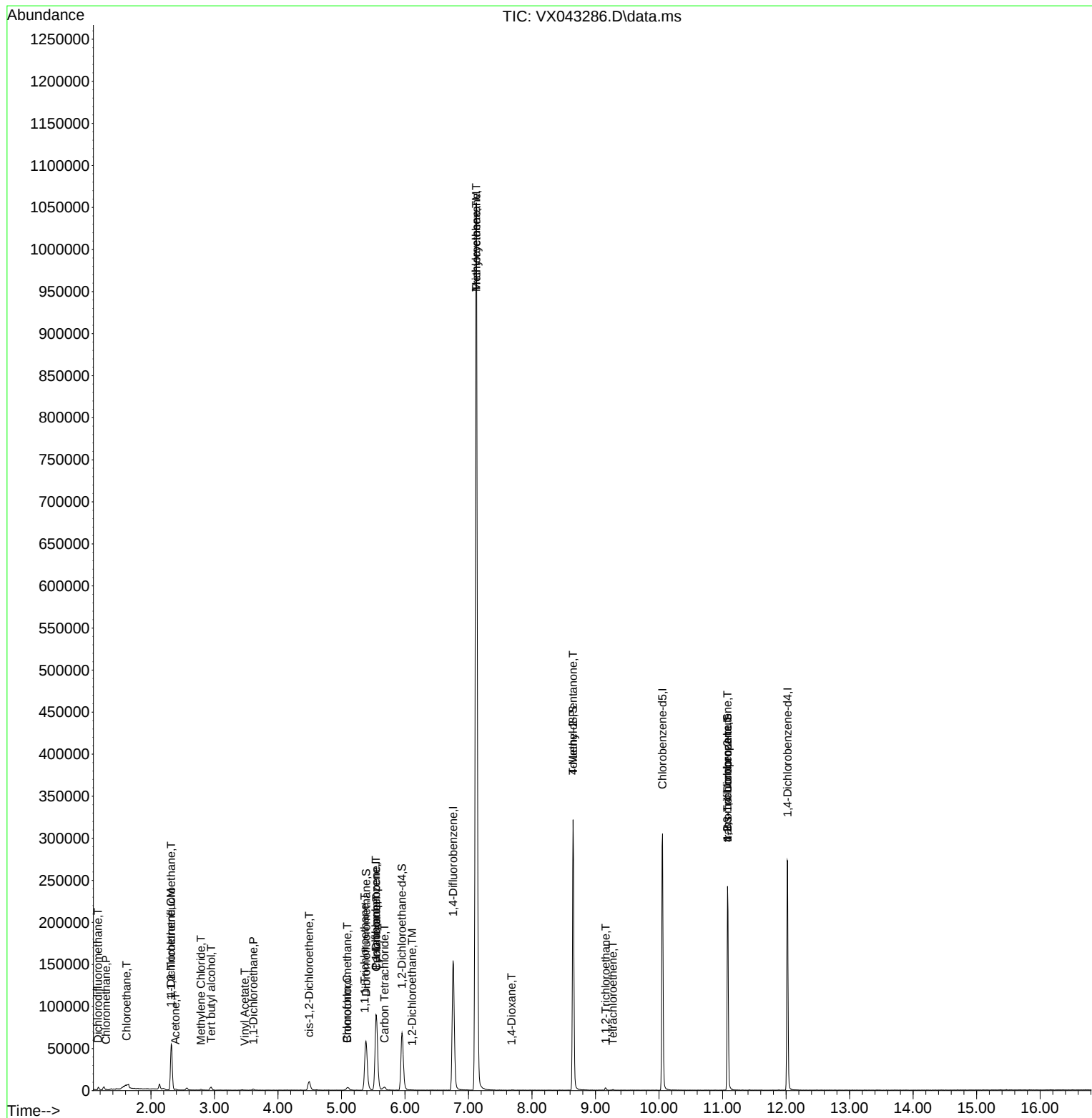
Internal Standards						
1) Pentafluorobenzene	5.544	168	81103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71013	53.614	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	5.385	113	51075	46.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.800%			
50) Toluene-d8	8.647	98	186697	49.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	65680	47.909	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1489	1.578	ug/l	95
3) Chloromethane	1.294	50	229	0.236	ug/l #	60
6) Chloroethane	1.617	64	87	0.240	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.319	101	19268	21.234	ug/l	98
11) Tert butyl alcohol	2.947	59	2115	8.391	ug/l #	71
12) 1,1-Dichloroethene	2.312	96	2976	3.303	ug/l	98
16) Acetone	2.386	43	921	1.665	ug/l #	77
20) Methylene Chloride	2.788	84	435	0.427	ug/l	86
23) Vinyl Acetate	3.477	43	19	6.345	ug/l #	71
24) 1,1-Dichloroethane	3.611	63	1633	0.941	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	6821	6.099	ug/l	87
28) Bromochloromethane	5.092	49	311	0.454	ug/l #	10
30) Chloroform	5.086	83	4224	2.217	ug/l #	80
31) Cyclohexane	5.550	56	2042	1.429	ug/l #	34
32) 1,1,1-Trichloroethane	5.367	97	480	0.274	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	7240	5.263	ug/l #	50
38) Carbon Tetrachloride	5.678	117	3050	1.873	ug/l	87
39) Methylcyclohexane	7.123	83	5112	2.955	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	461	0.271	ug/l #	77
44) Trichloroethene	7.123	130	402279	363.635	ug/l	95
49) 1,4-Dioxane	7.677	88	253	9.721	ug/l #	64
51) 4-Methyl-2-Pentanone	8.647	43	1013	0.611	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1013	0.975	ug/l #	84
64) Tetrachloroethene	9.275	164	198	0.211	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	36907	28.573	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36907	74.050	ug/l #	8

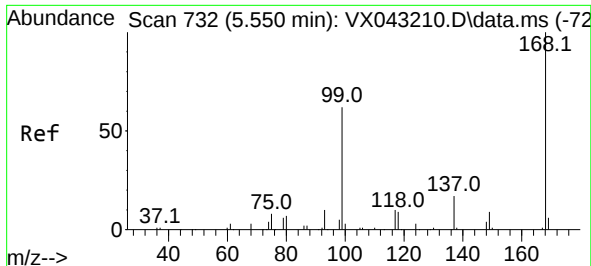
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration

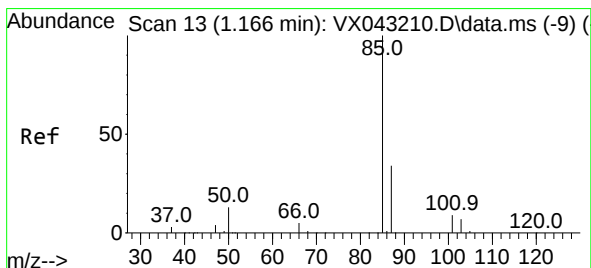
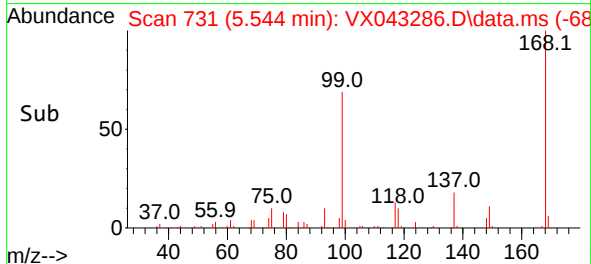
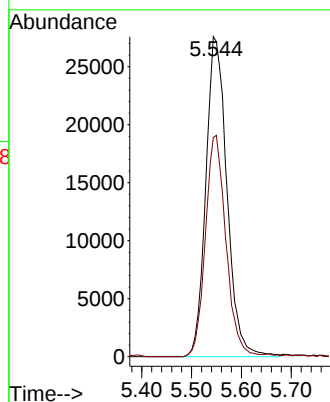
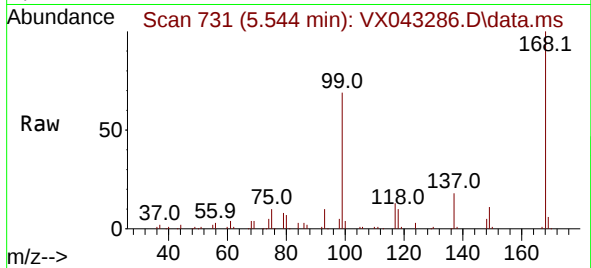




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

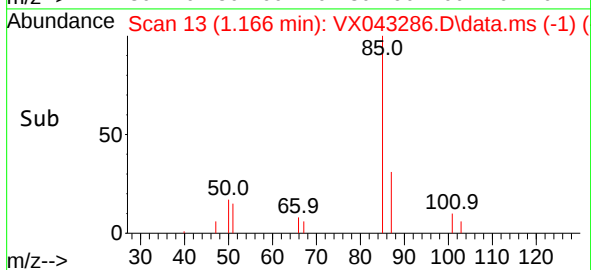
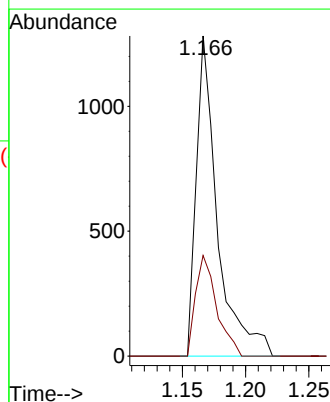
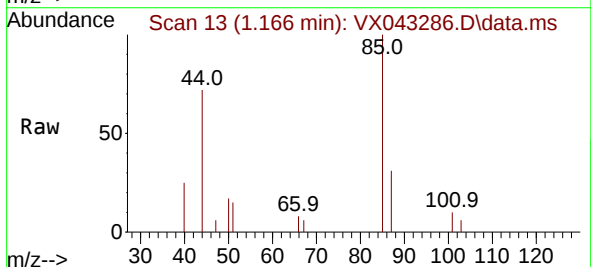
Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

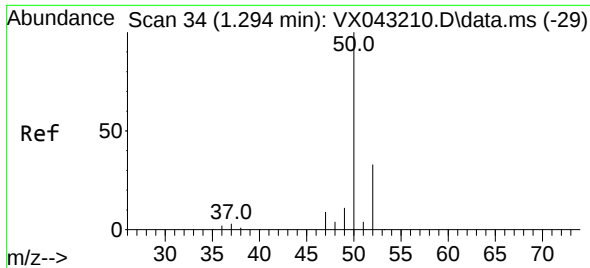
Tgt Ion:168 Resp: 81103
Ion Ratio Lower Upper
168 100
99 68.5 49.7 74.5



#2
Dichlorodifluoromethane
Concen: 1.578 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 85 Resp: 1489
Ion Ratio Lower Upper
85 100
87 31.4 17.1 51.2

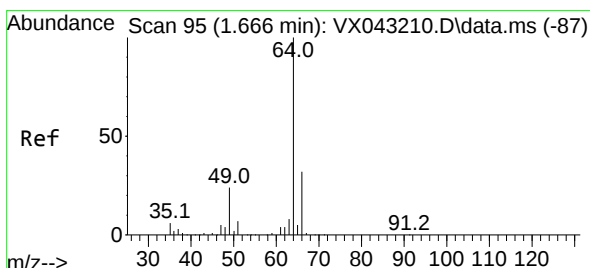
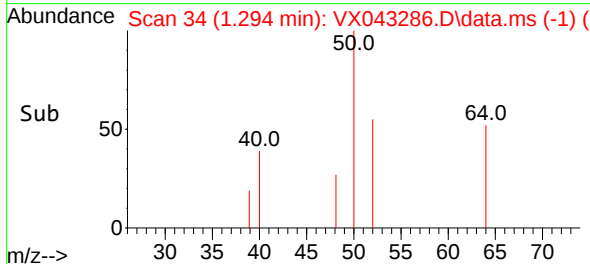
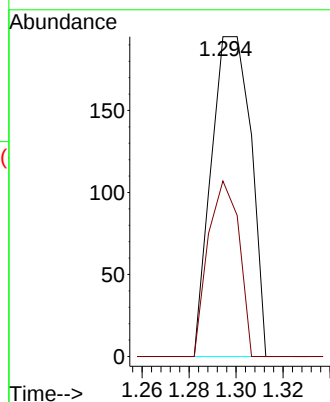
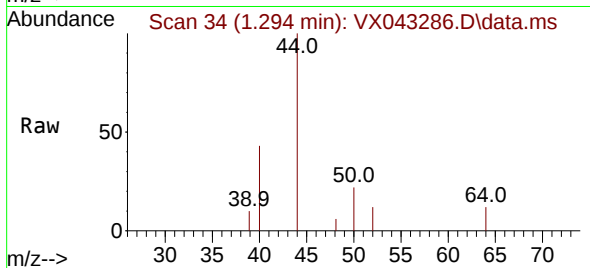




#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

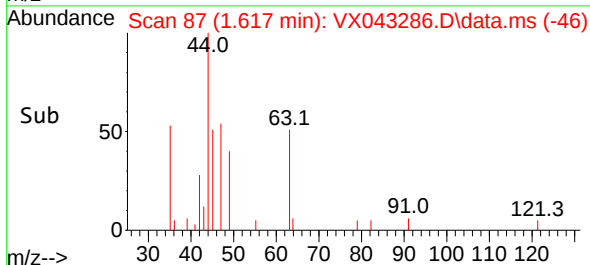
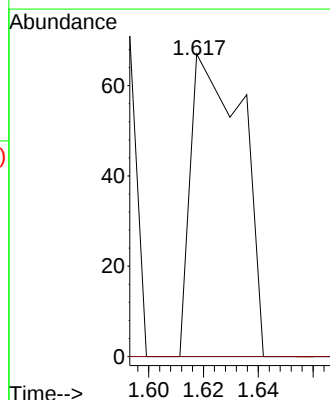
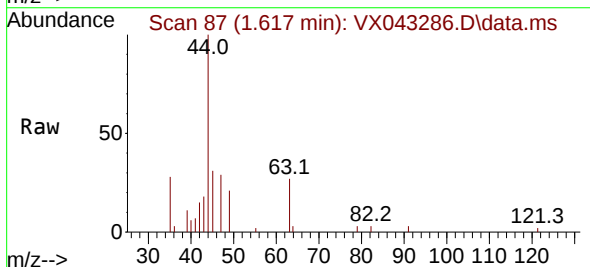
Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

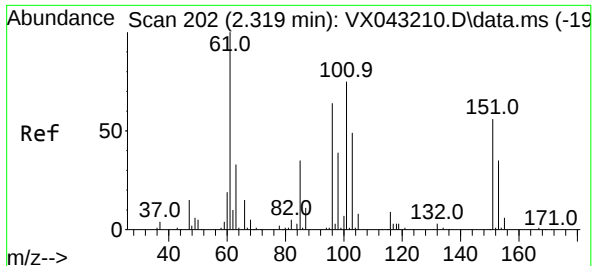
Tgt Ion: 50 Resp: 229
Ion Ratio Lower Upper
50 100
52 54.9 26.1 39.1#



#6
Chloroethane
Concen: 0.240 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.049 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

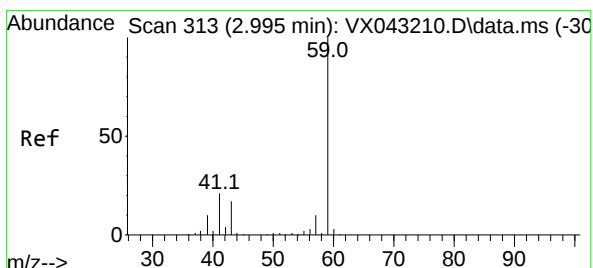
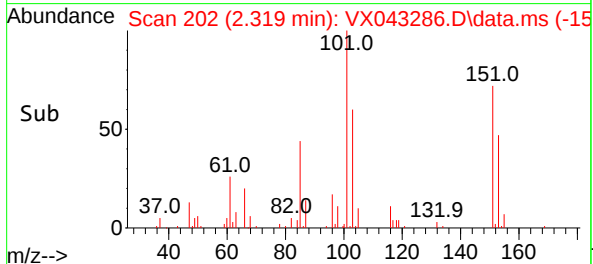
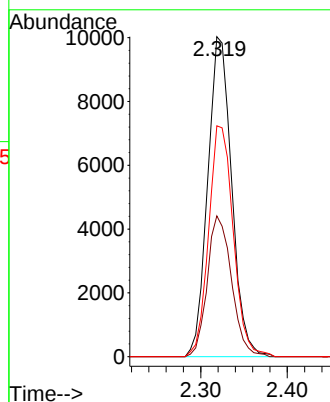
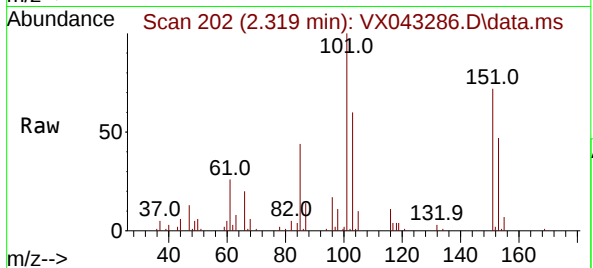




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.234 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

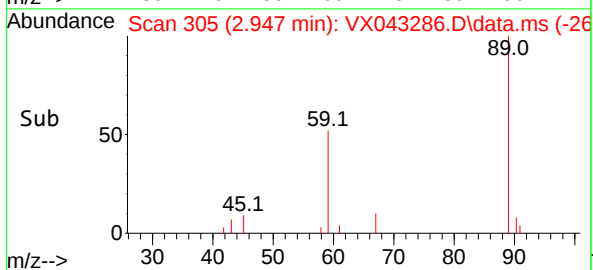
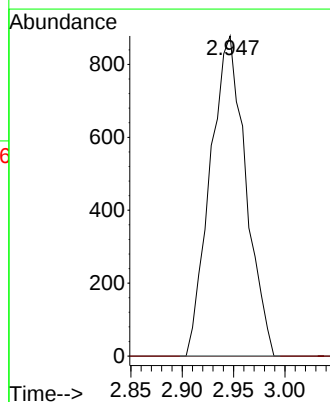
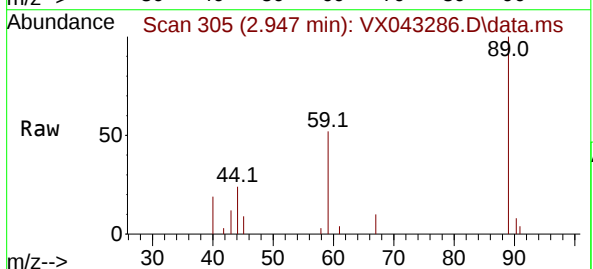
Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

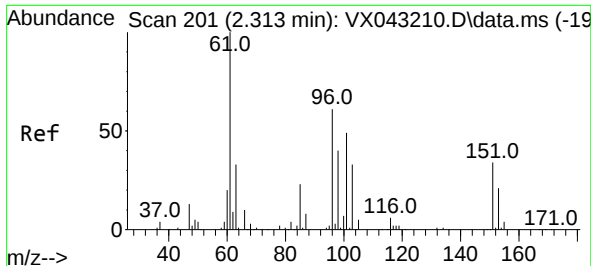
Tgt Ion:101 Resp: 19268
Ion Ratio Lower Upper
101 100
85 44.5 37.0 55.6
151 74.2 60.0 90.0



#11
Tert butyl alcohol
Concen: 8.391 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 59 Resp: 2115
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#12

1,1-Dichloroethene

Concen: 3.303 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX043286.D

Acq: 04 Oct 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

DUP11-20240930

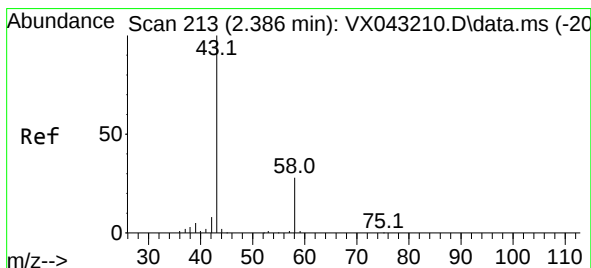
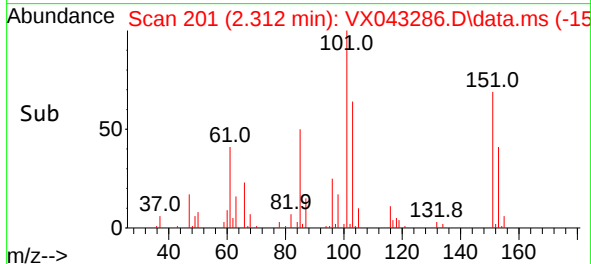
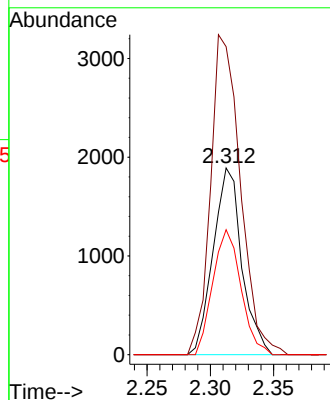
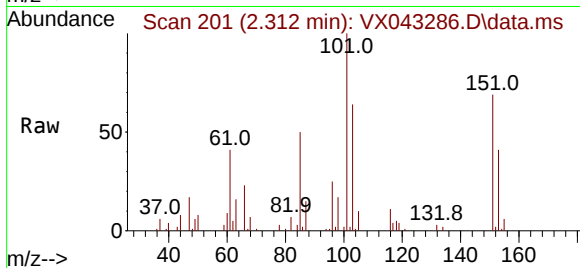
Tgt Ion: 96 Resp: 2976

Ion Ratio Lower Upper

96 100

61 165.0 130.6 195.8

98 66.9 51.7 77.5



#16

Acetone

Concen: 1.665 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043286.D

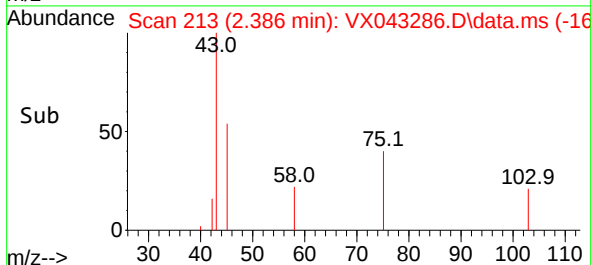
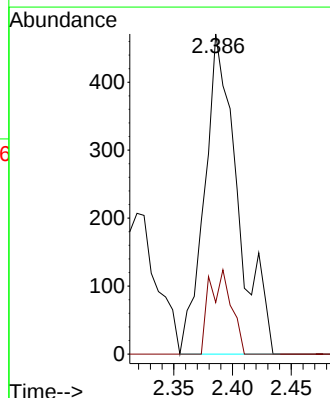
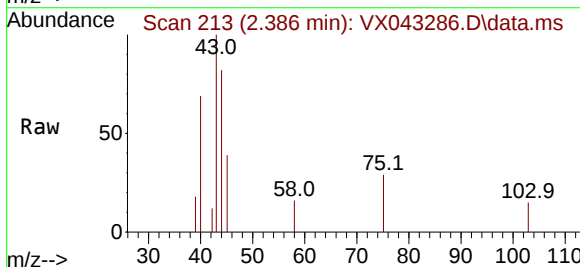
Acq: 04 Oct 2024 14:05

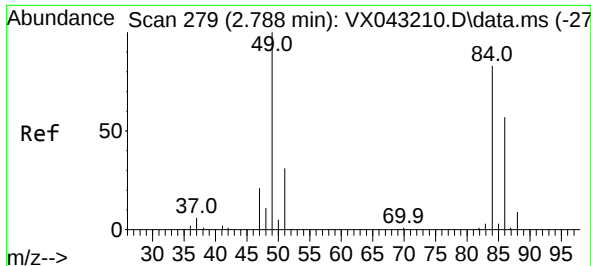
Tgt Ion: 43 Resp: 921

Ion Ratio Lower Upper

43 100

58 16.1 22.6 33.8#





#20

Methylene Chloride

Concen: 0.427 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043286.D

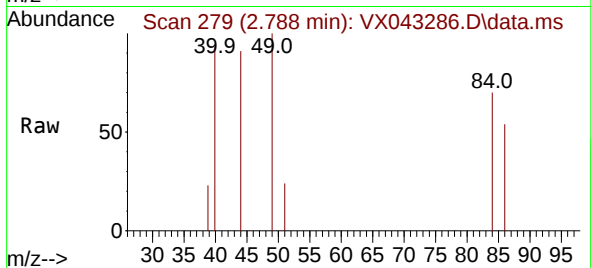
Acq: 04 Oct 2024 14:05

Instrument :

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Tgt Ion: 84 Resp: 435

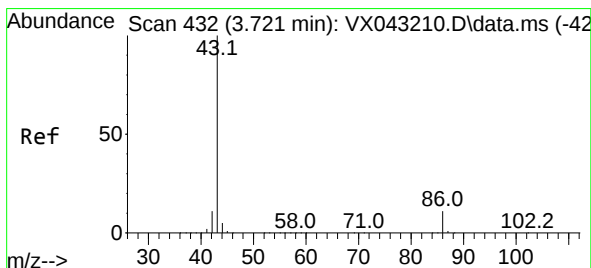
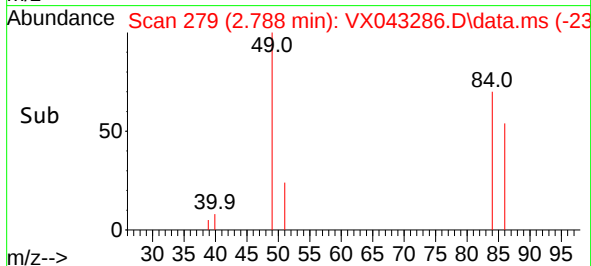
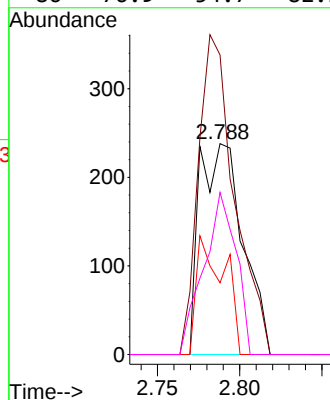
Ion Ratio Lower Upper

84 100

49 142.0 96.7 145.1

51 34.0 30.4 45.6

86 76.9 54.7 82.1



#23

Vinyl Acetate

Concen: 6.345 ug/l

RT: 3.477 min Scan# 392

Delta R.T. -0.244 min

Lab File: VX043286.D

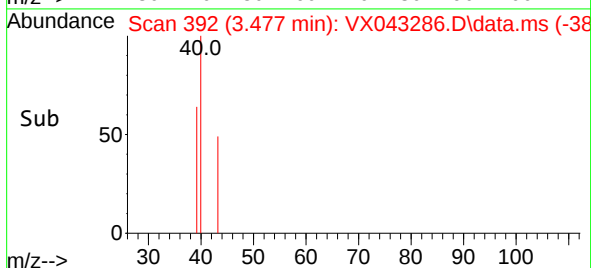
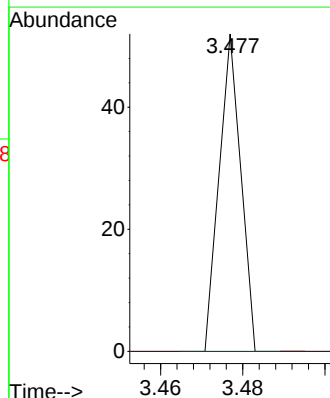
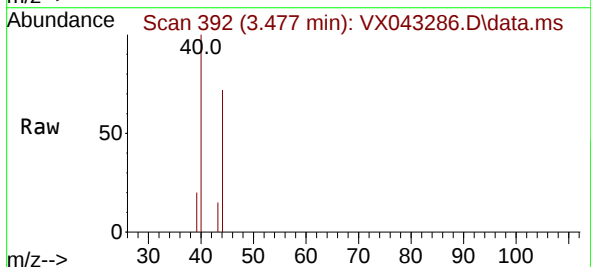
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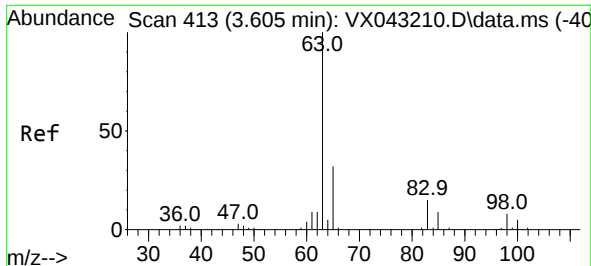
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

86 0.0 8.8 13.2#

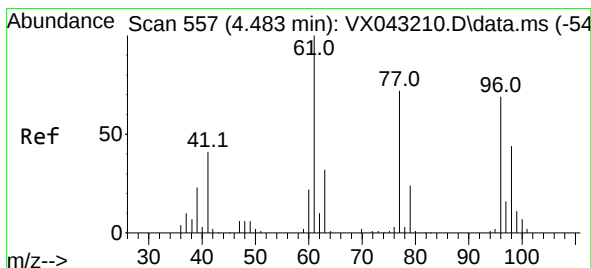
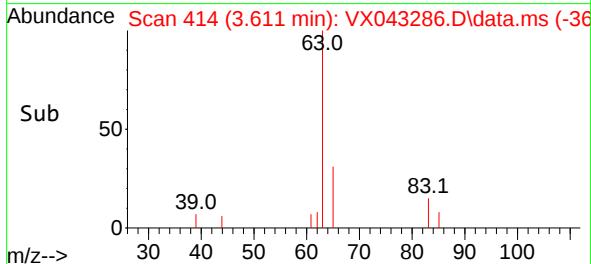
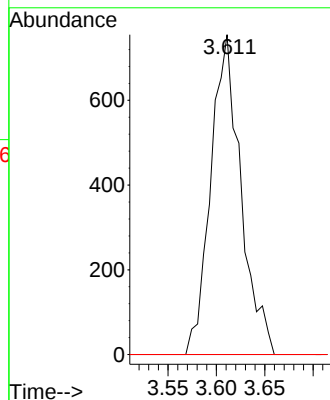
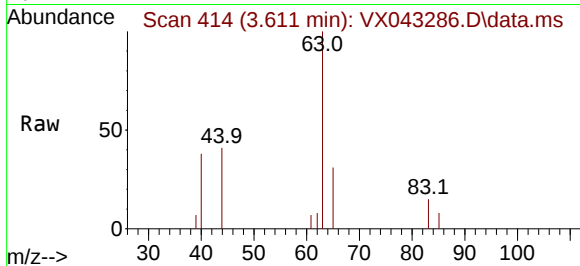




#24
 1,1-Dichloroethane
 Concen: 0.941 ug/l
 RT: 3.611 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX043286.D
 Acq: 04 Oct 2024 14:05

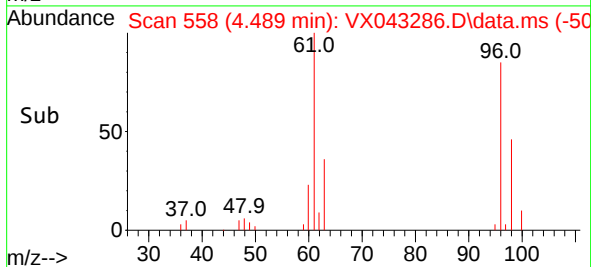
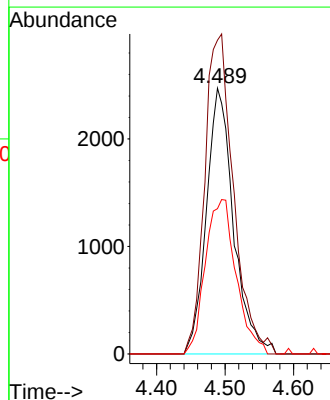
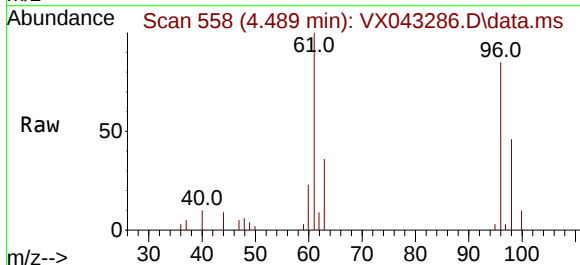
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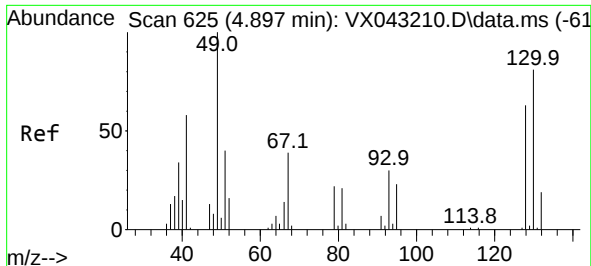
Tgt Ion: 63 Resp: 1633
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.5 7.4#



#27
 cis-1,2-Dichloroethene
 Concen: 6.099 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX043286.D
 Acq: 04 Oct 2024 14:05

Tgt Ion: 96 Resp: 6821
 Ion Ratio Lower Upper
 96 100
 61 127.4 0.0 298.2
 98 65.7 0.0 128.6

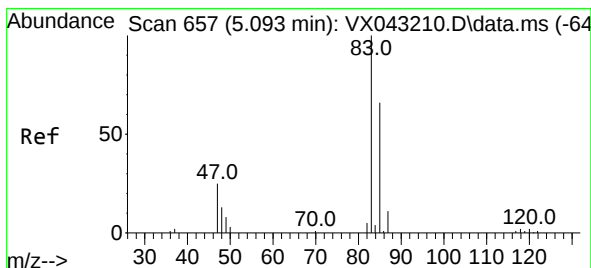
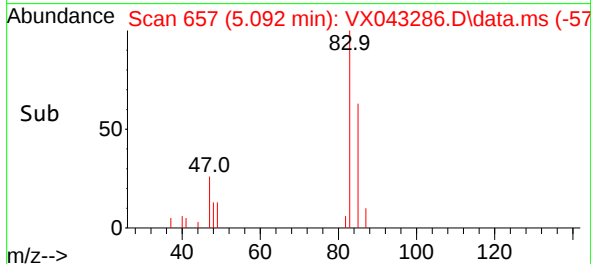
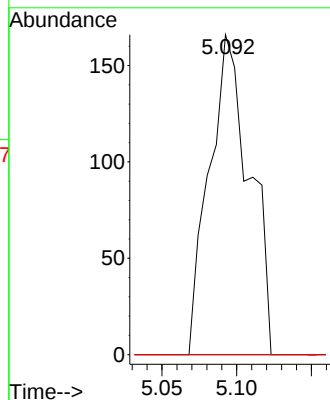
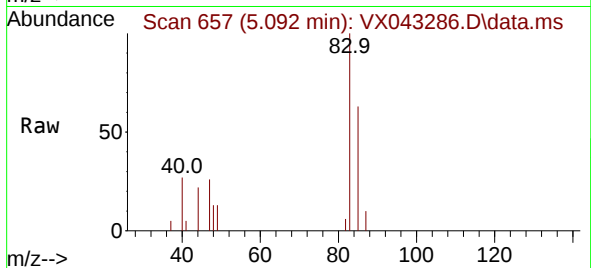




#28
Bromochloromethane
Concen: 0.454 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

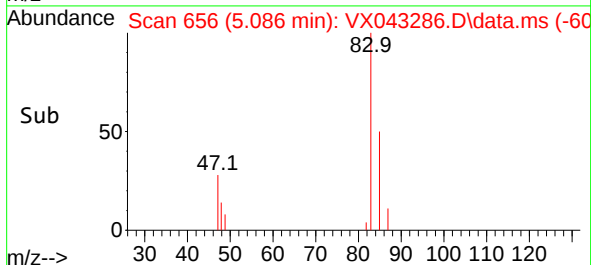
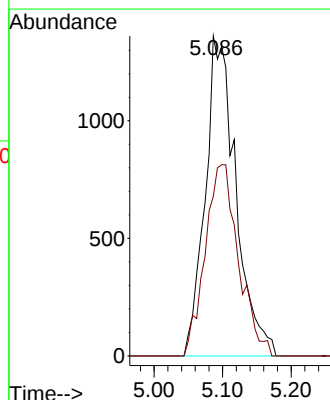
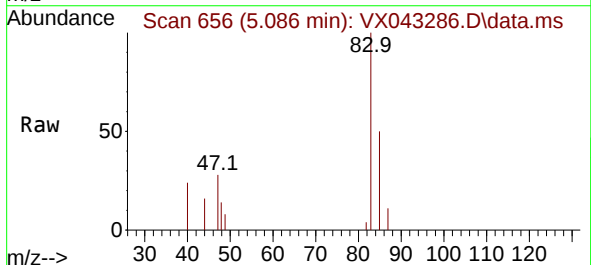
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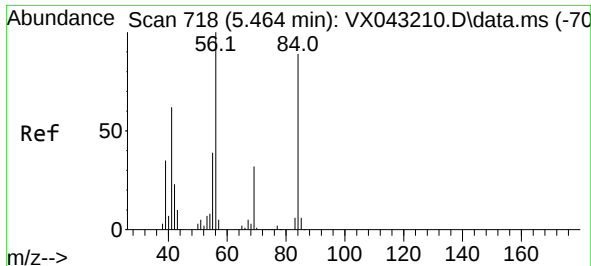
Tgt Ion: 49 Resp: 311
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 65.5 98.3#



#30
Chloroform
Concen: 2.217 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

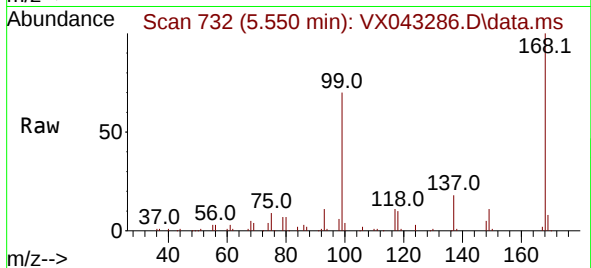
Tgt Ion: 83 Resp: 4224
Ion Ratio Lower Upper
83 100
85 49.9 52.5 78.7#



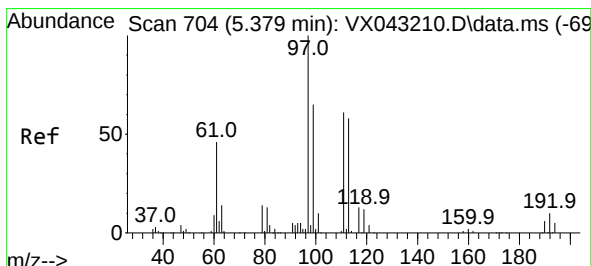
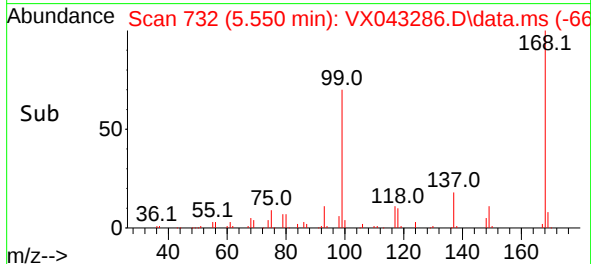
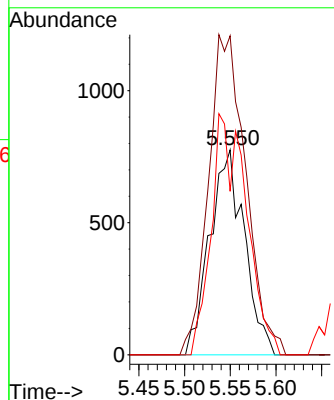


#31
Cyclohexane
Concen: 1.429 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

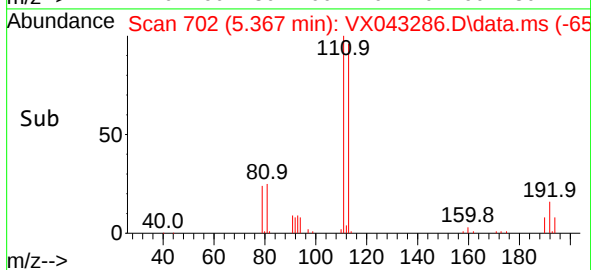
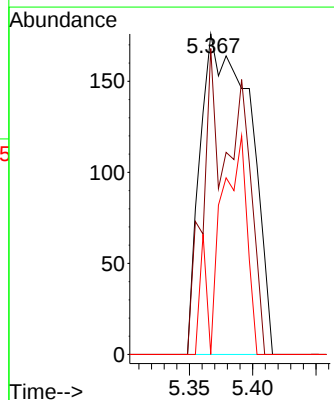
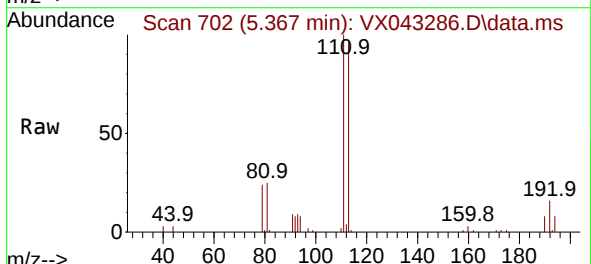


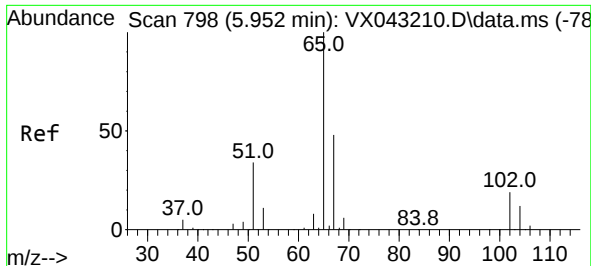
Tgt Ion: 56 Resp: 2042
Ion Ratio Lower Upper
56 100
69 155.7 25.8 38.6#
84 79.8 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 0.274 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.012 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 97 Resp: 480
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 0.0 35.6 53.4#

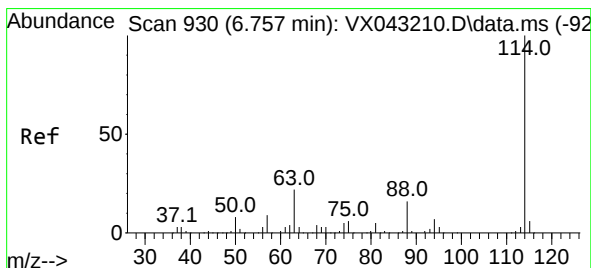
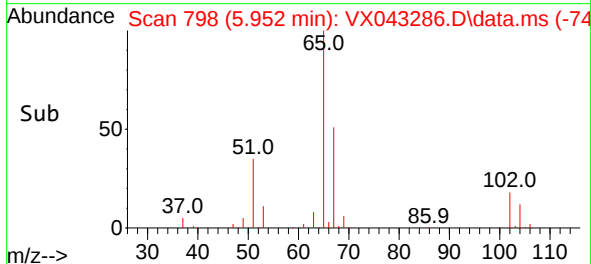
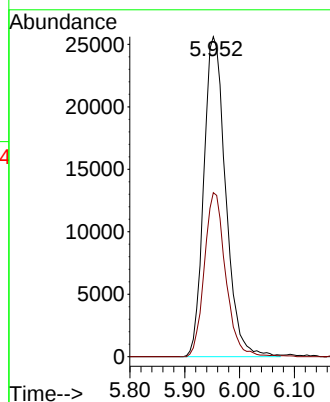
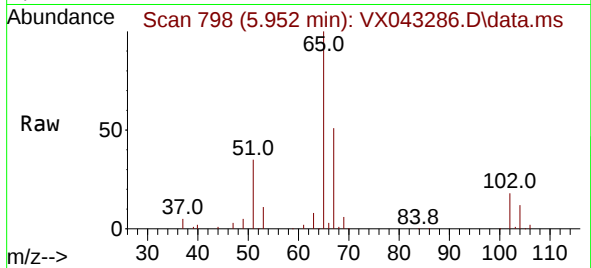




#33
 1,2-Dichloroethane-d4
 Concen: 53.614 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX043286.D
 Acq: 04 Oct 2024 14:05

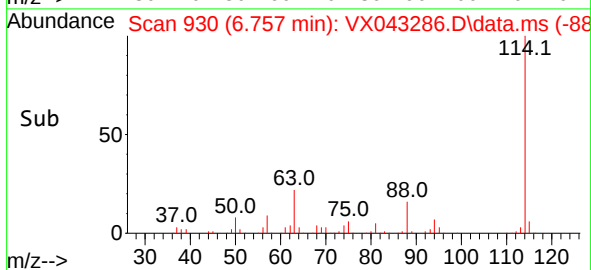
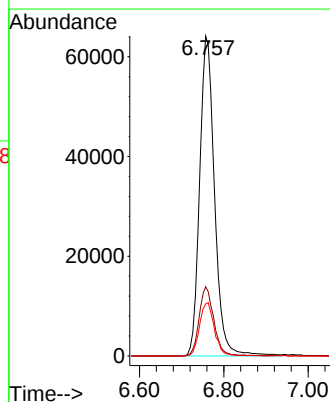
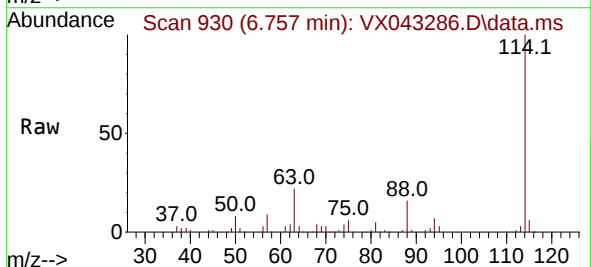
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP11-20240930

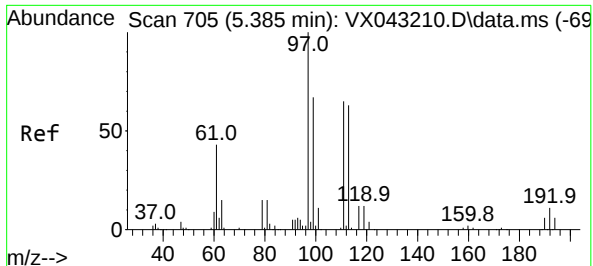
Tgt Ion: 65 Resp: 71013
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043286.D
 Acq: 04 Oct 2024 14:05

Tgt Ion: 114 Resp: 157899
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.904 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX043286.D

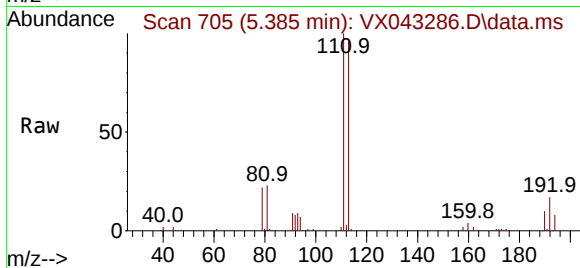
Acq: 04 Oct 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

DUP11-20240930



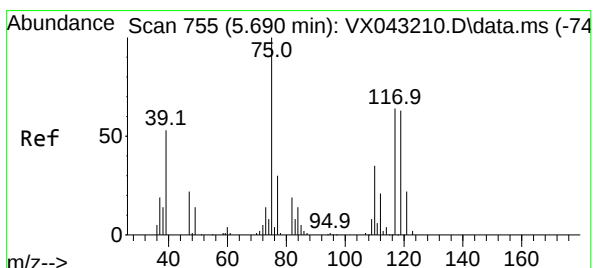
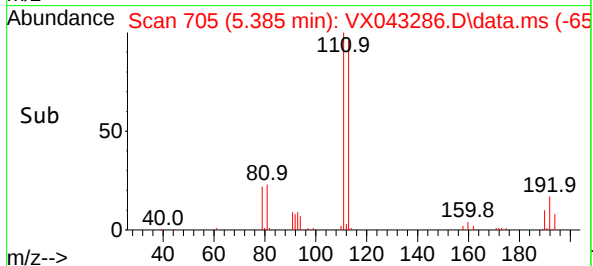
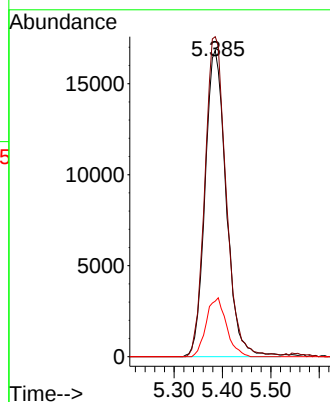
Tgt Ion:113 Resp: 51075

Ion Ratio Lower Upper

113 100

111 104.7 83.4 125.0

192 18.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.263 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX043286.D

Acq: 04 Oct 2024 14:05

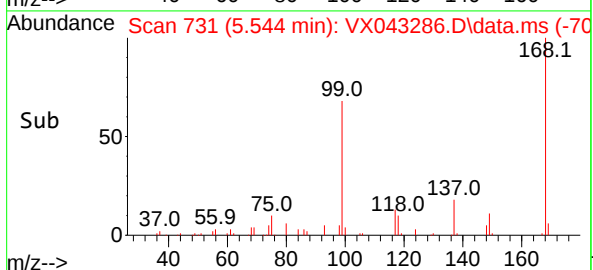
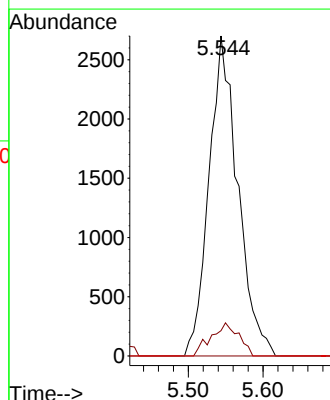
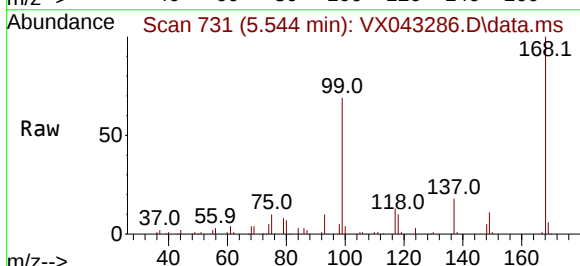
Tgt Ion: 75 Resp: 7240

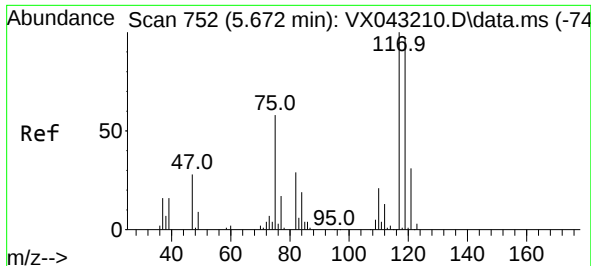
Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.3#

77 0.0 24.9 37.3#

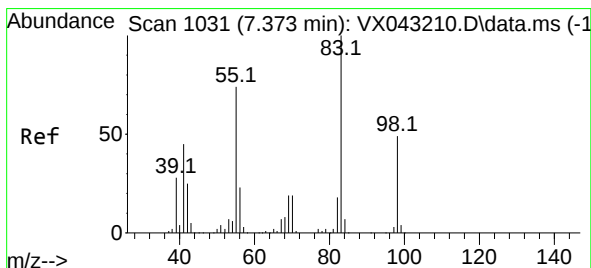
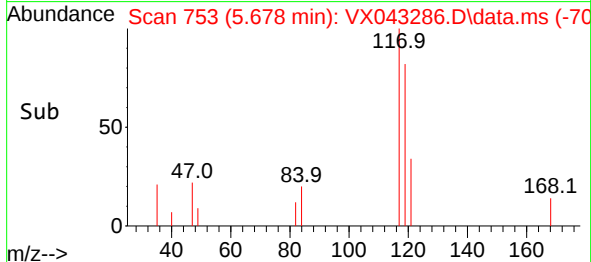
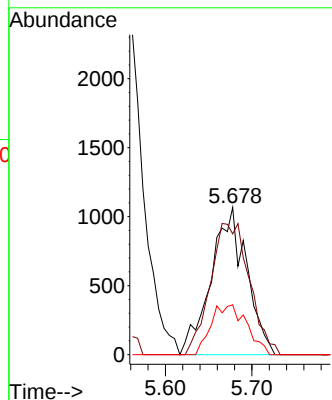
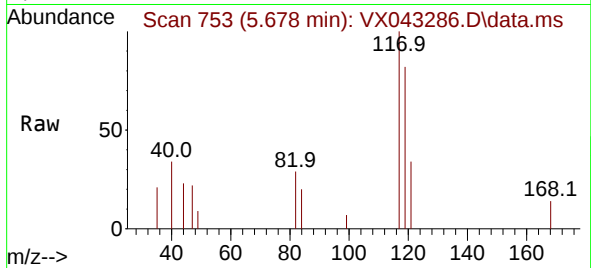




#38
Carbon Tetrachloride
Concen: 1.873 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

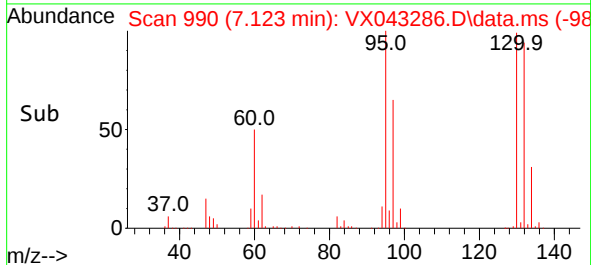
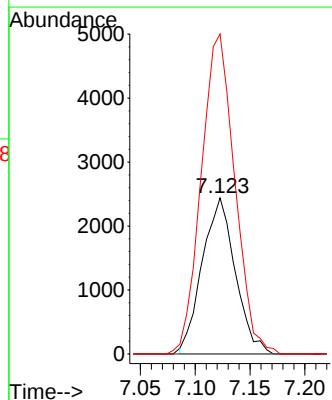
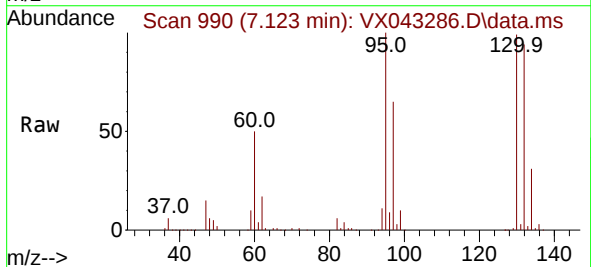
Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

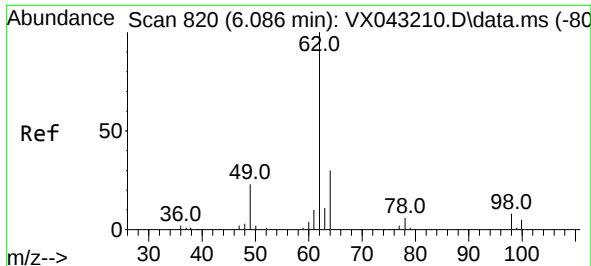
Tgt Ion:117 Resp: 3050
Ion Ratio Lower Upper
117 100
119 82.0 77.7 116.5
121 33.9 24.3 36.5



#39
Methylcyclohexane
Concen: 2.955 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 83 Resp: 5112
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.2#
98 205.1 39.3 58.9#





#42

1,2-Dichloroethane

Concen: 0.271 ug/l

RT: 6.111 min Scan# 81

Delta R.T. 0.024 min

Lab File: VX043286.D

Acq: 04 Oct 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

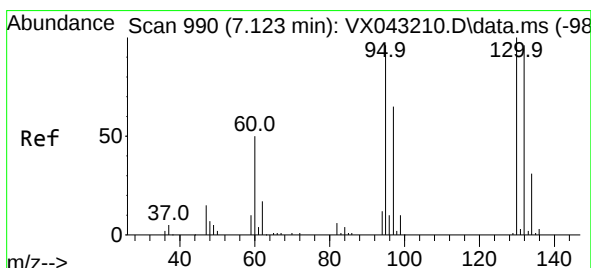
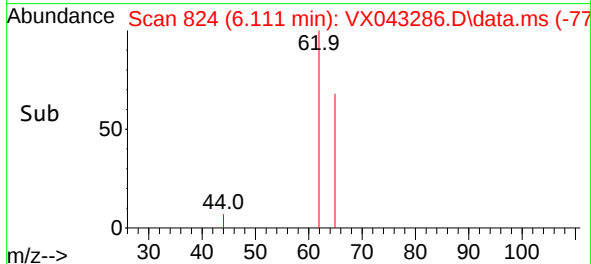
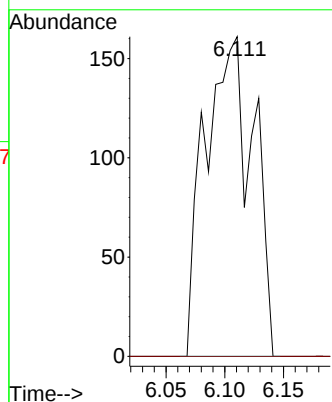
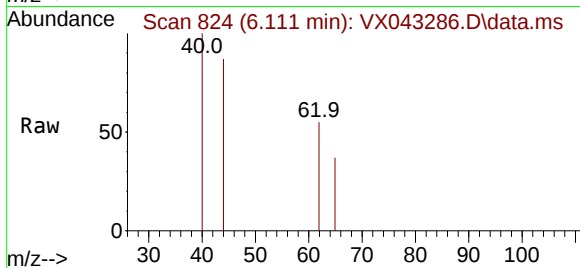
DUP11-20240930

Tgt Ion: 62 Resp: 461

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 363.635 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX043286.D

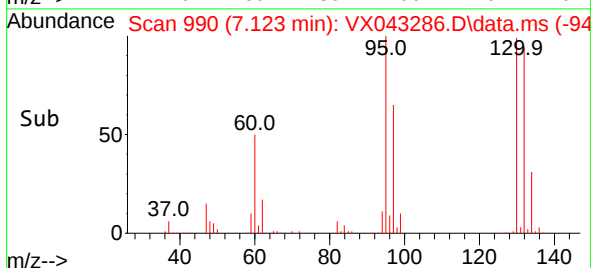
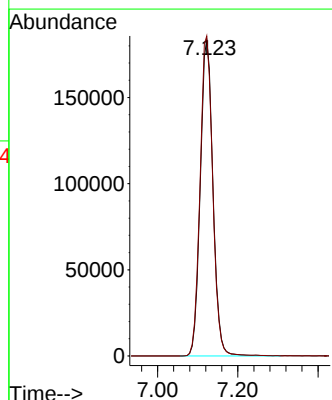
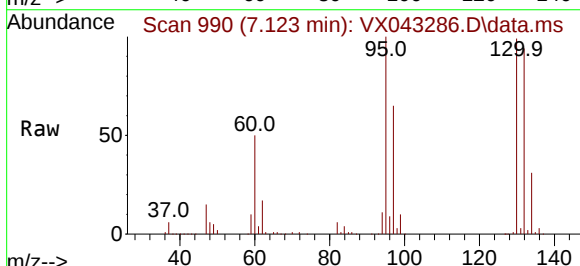
Acq: 04 Oct 2024 14:05

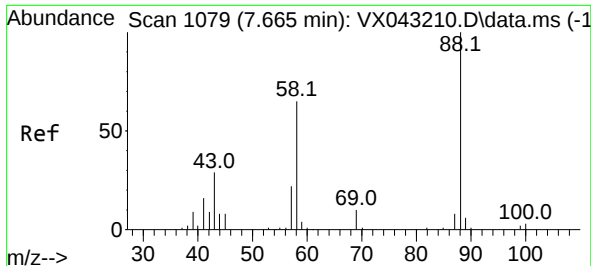
Tgt Ion:130 Resp: 402279

Ion Ratio Lower Upper

130 100

95 101.2 0.0 192.2





#49

1,4-Dioxane

Concen: 9.721 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.012 min

Lab File: VX043286.D

Acq: 04 Oct 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

DUP11-20240930

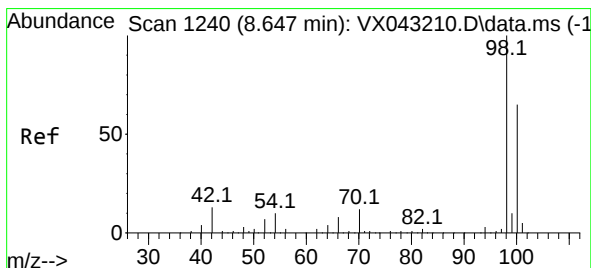
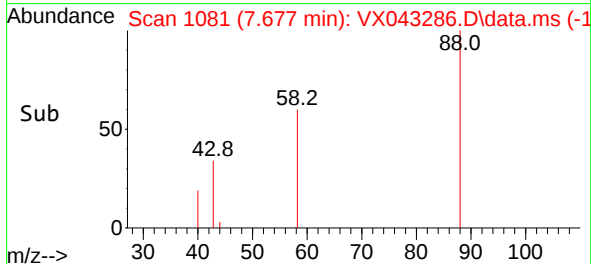
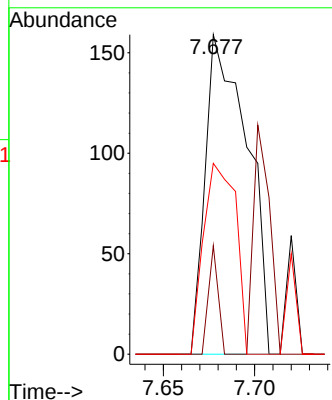
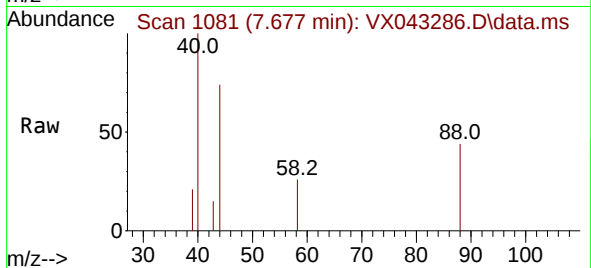
Tgt Ion: 88 Resp: 253

Ion Ratio Lower Upper

88 100

43 7.9 29.5 44.3#

58 45.8 55.2 82.8#



#50

Toluene-d8

Concen: 49.474 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043286.D

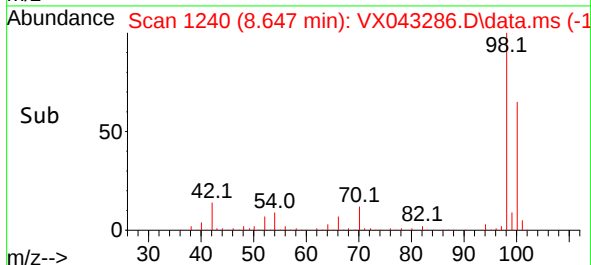
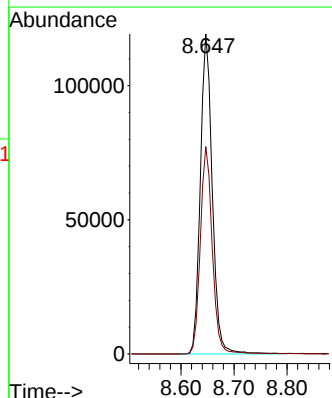
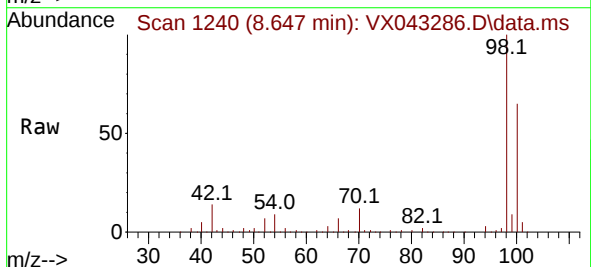
Acq: 04 Oct 2024 14:05

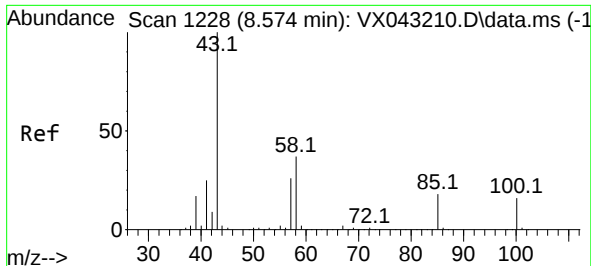
Tgt Ion: 98 Resp: 186697

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6

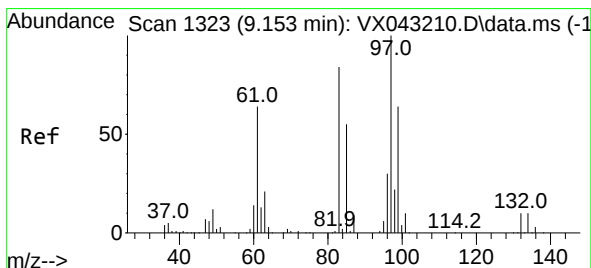
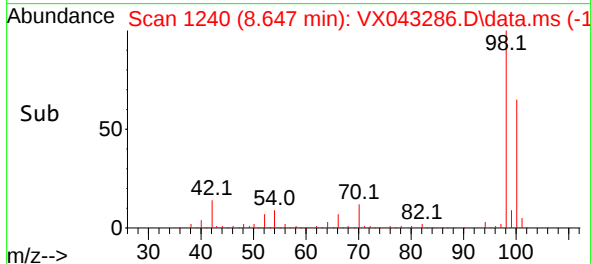
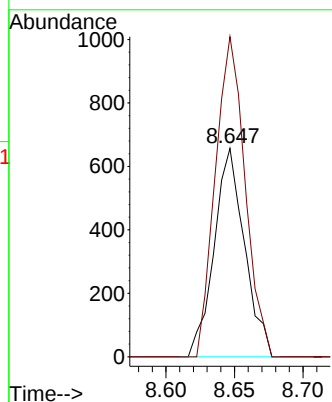
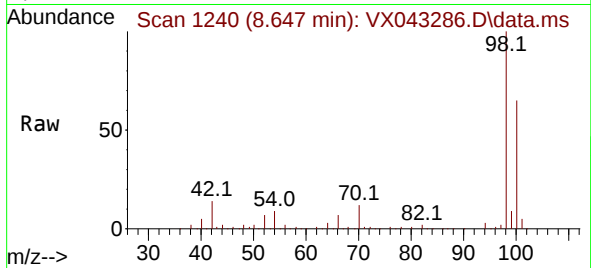




#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

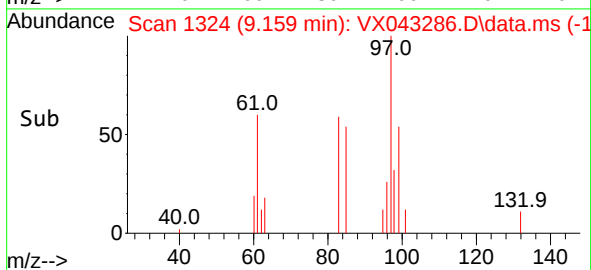
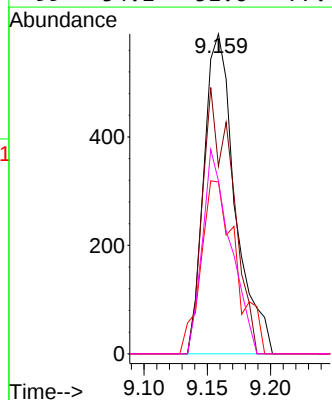
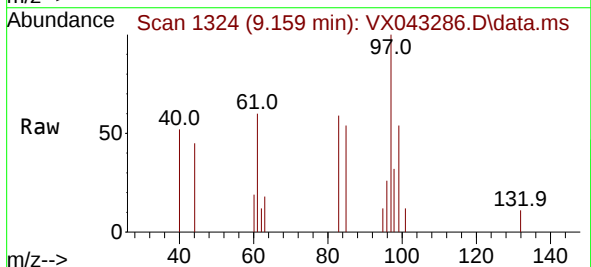
Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

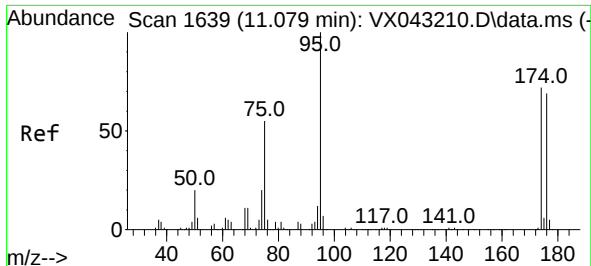
Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 150.1 30.0 45.0#



#55
1,1,2-Trichloroethane
Concen: 0.975 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 97 Resp: 1013
Ion Ratio Lower Upper
97 100
83 58.6 66.9 100.3#
85 53.7 43.9 65.9
99 54.1 51.6 77.4

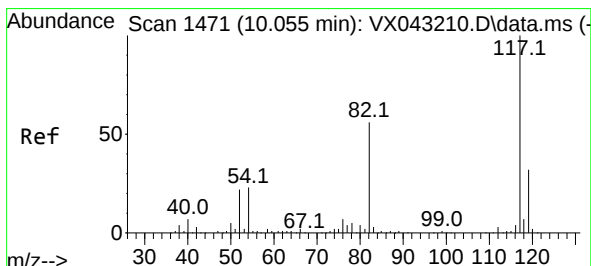
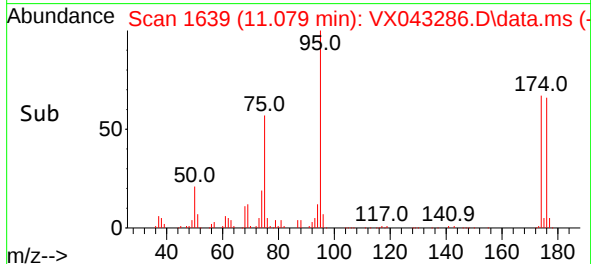
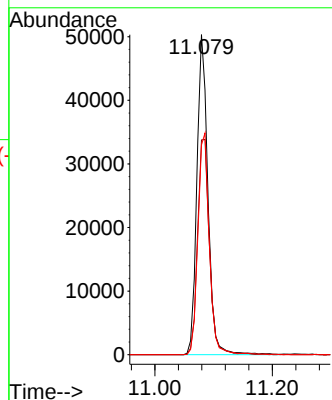
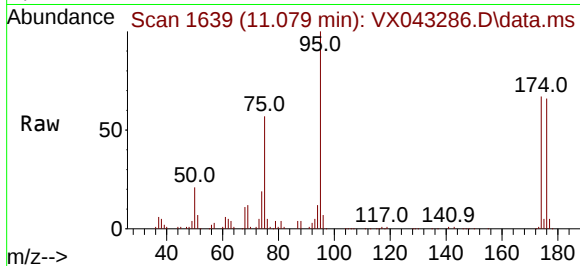




#62
4-Bromofluorobenzene
Concen: 47.909 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

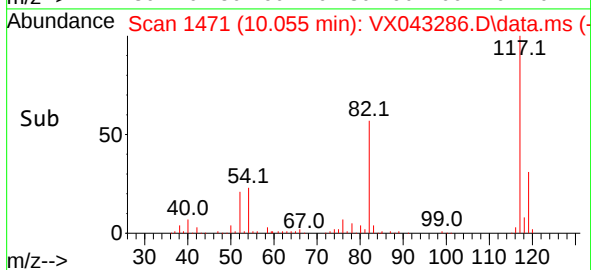
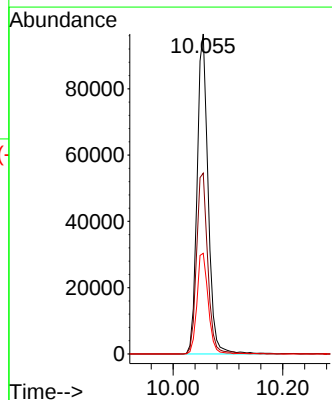
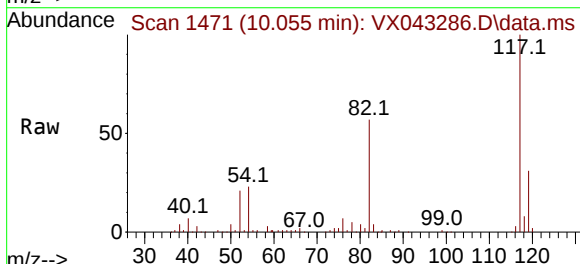
Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

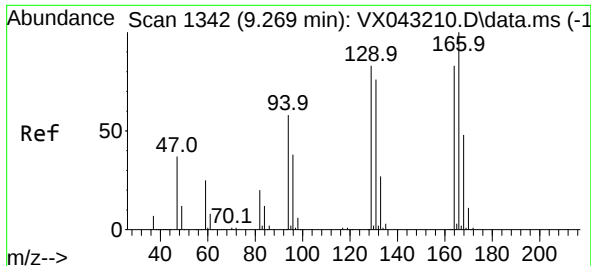
Tgt Ion: 95 Resp: 65680
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.0
176 71.1 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 117 Resp: 135508
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.6
119 31.5 25.3 37.9

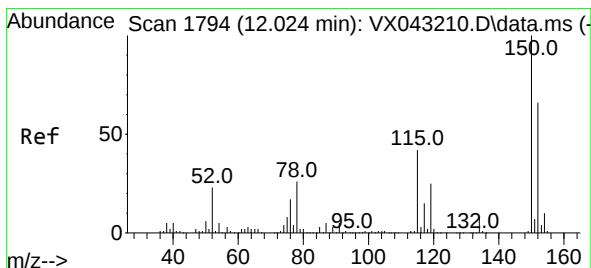
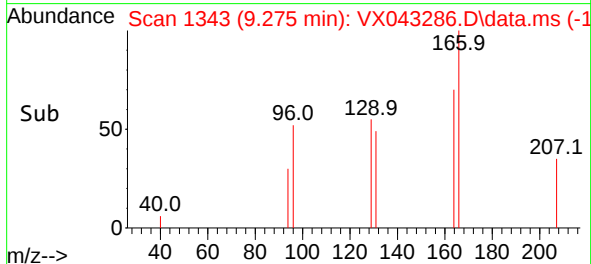
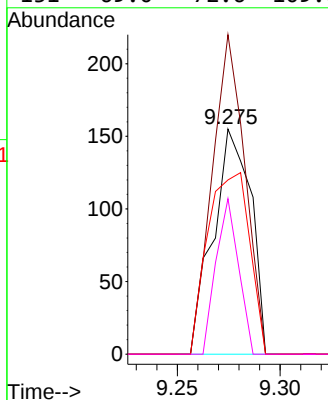
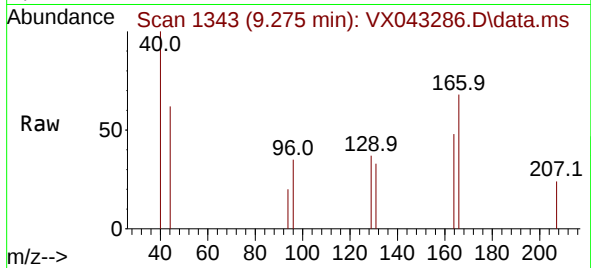




#64
Tetrachloroethene
Concen: 0.211 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

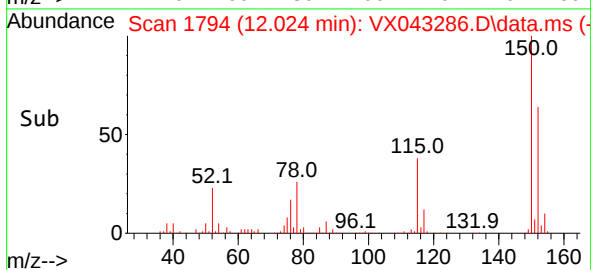
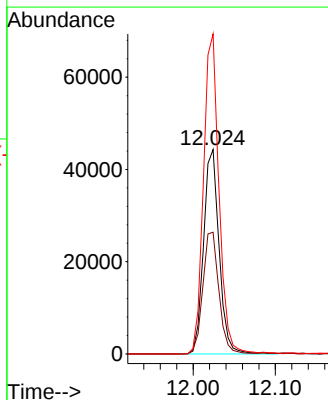
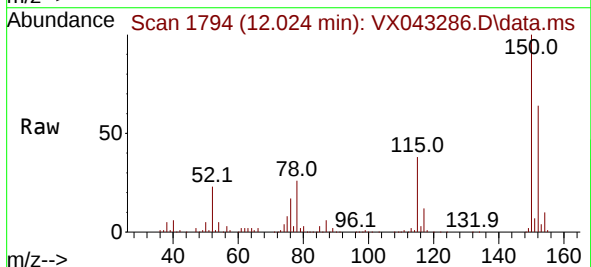
Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

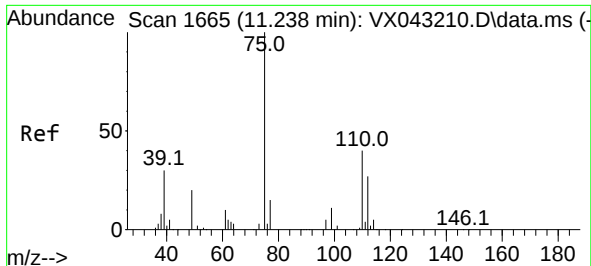
Tgt Ion:164	Resp:	198
Ion	Ratio	Lower Upper
164	100	
166	141.9	96.0 144.0
129	77.4	79.4 119.0#
131	69.0	72.6 109.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion:152	Resp:	58234
Ion	Ratio	Lower Upper
152	100	
115	61.6	44.1 132.3
150	156.0	0.0 347.4

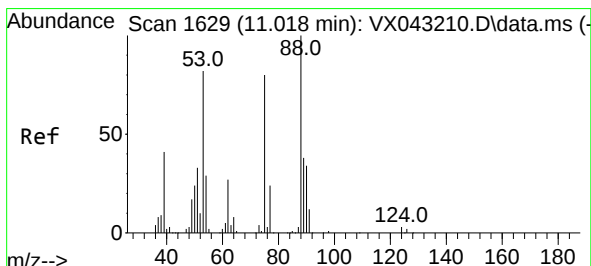
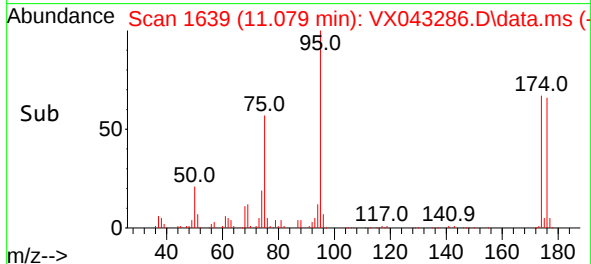
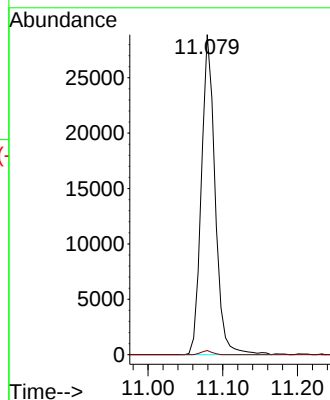
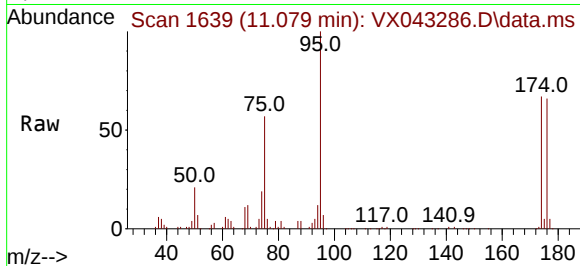




#76
1,2,3-Trichloropropane
Concen: 28.573 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20240930

Tgt Ion: 75 Resp: 36907
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043286.D
Acq: 04 Oct 2024 14:05

Tgt Ion: 75 Resp: 36907
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

