

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102624\
 Data File : VX043543.D
 Acq On : 26 Oct 2024 02:30
 Operator : JC/MD
 Sample : VX1025WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 05:57:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102624W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 26 04:43:47 2024
 Response via : Initial Calibration

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

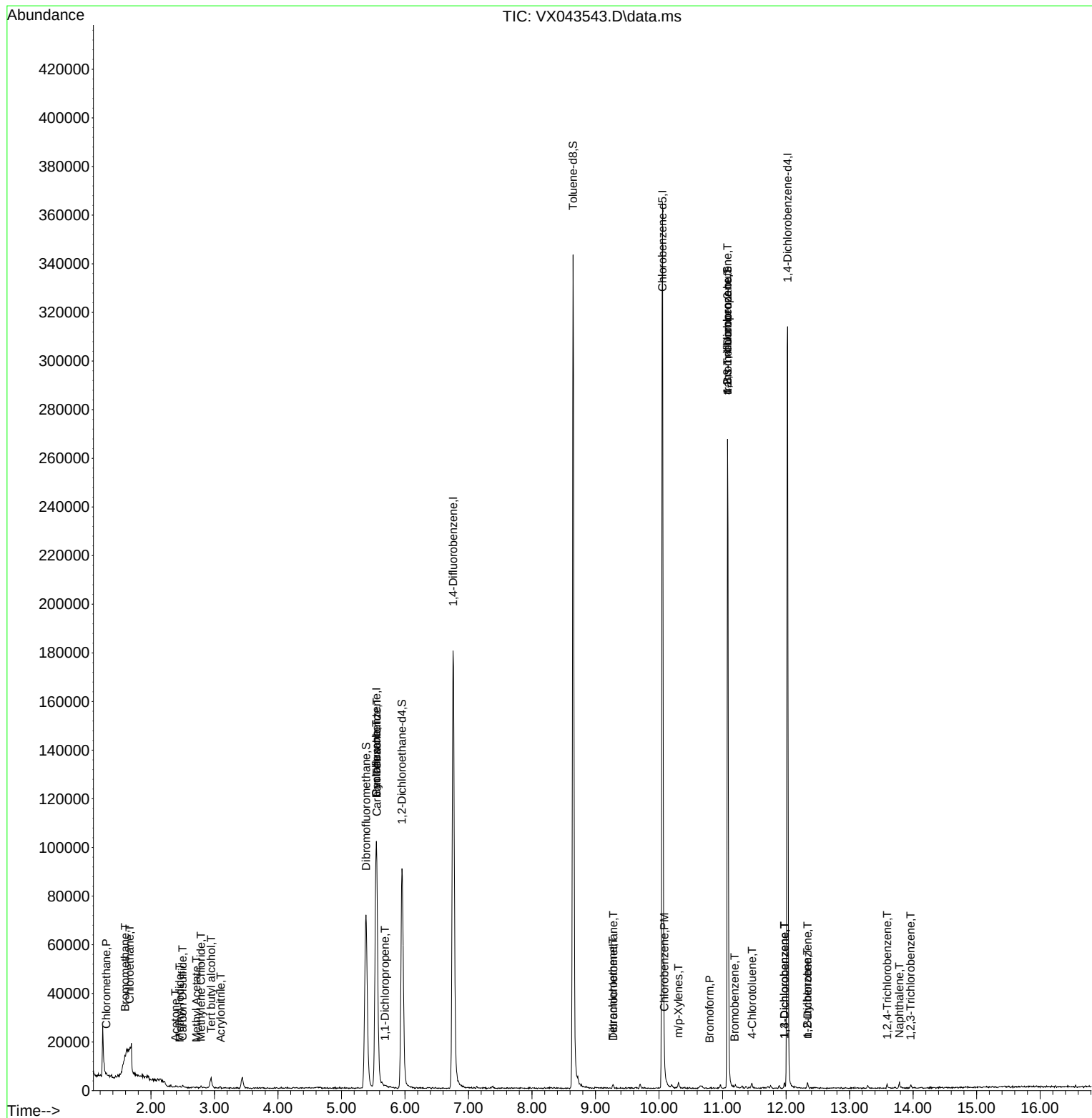
Internal Standards						
1) Pentafluorobenzene	5.549	168	97753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	193770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89289	57.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.160%			
35) Dibromofluoromethane	5.385	113	64370	49.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	8.646	98	212085	47.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.820%			
62) 4-Bromofluorobenzene	11.079	95	74073	45.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.660%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	342	0.246	ug/l #	77
5) Bromomethane	1.593	94	366	0.740	ug/l	81
6) Chloroethane	1.666	64	301	0.726	ug/l #	43
10) Methyl Iodide	2.452	142	551	0.379	ug/l #	78
11) Tert butyl alcohol	2.946	59	2322	7.011	ug/l #	100
15) Acrylonitrile	3.099	53	177	0.241	ug/l #	27
16) Acetone	2.385	43	593	0.896	ug/l #	87
17) Carbon Disulfide	2.495	76	1004	0.470	ug/l #	75
18) Methyl Acetate	2.715	43	459	0.231	ug/l #	51
20) Methylene Chloride	2.788	84	326	0.252	ug/l #	57
31) Cyclohexane	5.549	56	2413	1.427	ug/l #	24
36) 1,1-Dichloropropene	5.684	75	537	0.352	ug/l #	55
38) Carbon Tetrachloride	5.556	117	10436	6.014	ug/l #	14
60) Dibromochloromethane	9.280	129	309	0.249	ug/l #	11
64) Tetrachloroethene	9.274	164	348	0.335	ug/l #	77
65) Chlorobenzene	10.085	112	766	0.222	ug/l #	59
68) m/p-Xylenes	10.305	106	713	0.327	ug/l	96
71) Bromoform	10.799	173	23	3.768	ug/l #	30
76) 1,2,3-Trichloropropane	11.079	75	38168	24.428	ug/l #	33
77) Bromobenzene	11.189	156	261	0.213	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	38168	65.386	ug/l #	7
82) 4-Chlorotoluene	11.463	91	1052	0.277	ug/l	89
87) 1,3-Dichlorobenzene	11.975	146	721	0.328	ug/l	88
88) 1,4-Dichlorobenzene	11.975	146	721	0.325	ug/l	88
89) n-Butylbenzene	12.335	91	755	0.239	ug/l #	67
91) 1,2-Dichlorobenzene	12.341	146	540	0.238	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	532	0.400	ug/l #	75
95) Naphthalene	13.786	128	2234	0.410	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.963	180	523	0.376	ug/l	98

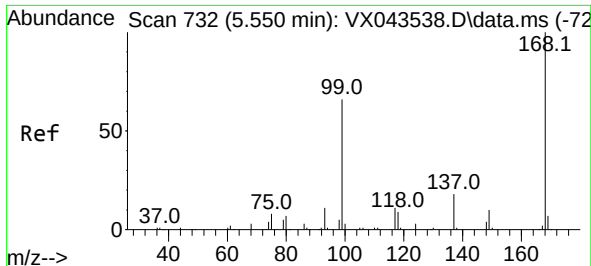
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 26 04:43:47 2024
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.001 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

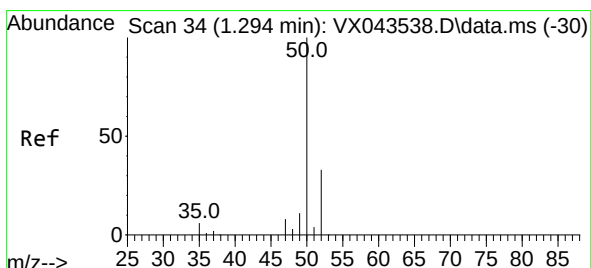
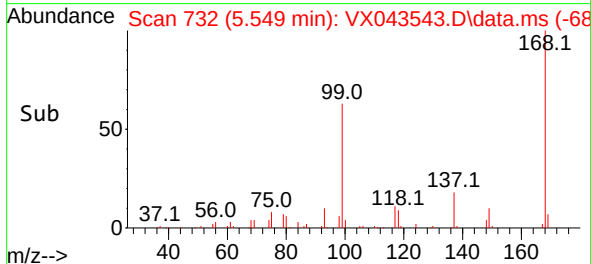
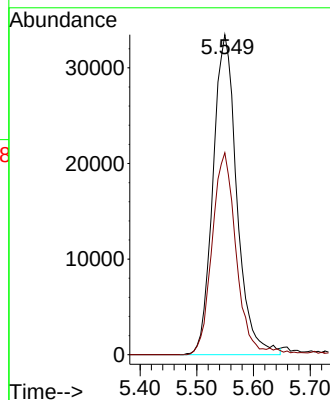
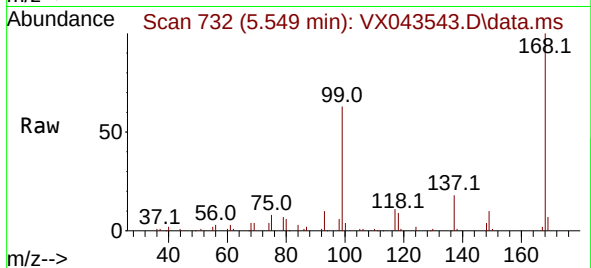
ClientSampleId :

Tgt Ion:168 Resp: 97753

Ion Ratio Lower Upper

168 100

99 63.1 52.6 78.8



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043543.D

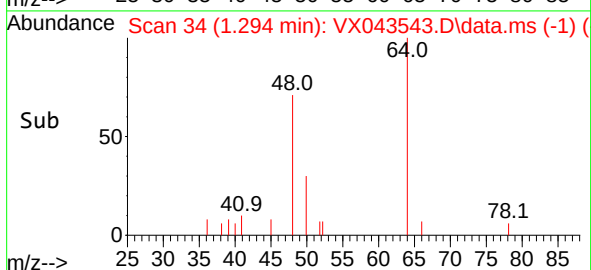
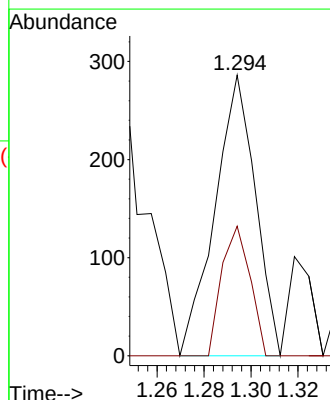
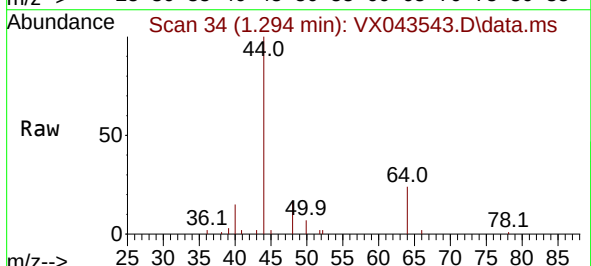
Acq: 26 Oct 2024 02:30

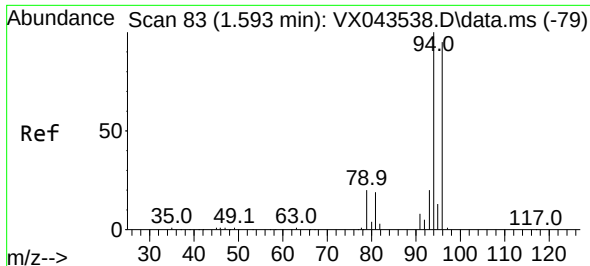
Tgt Ion: 50 Resp: 342

Ion Ratio Lower Upper

50 100

52 46.2 26.3 39.5#

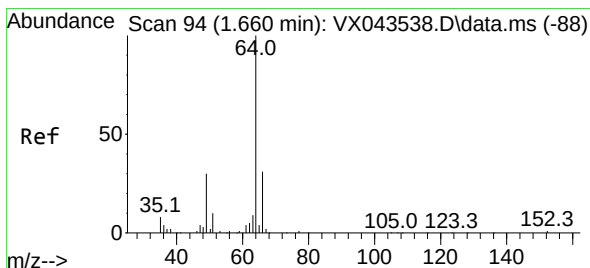
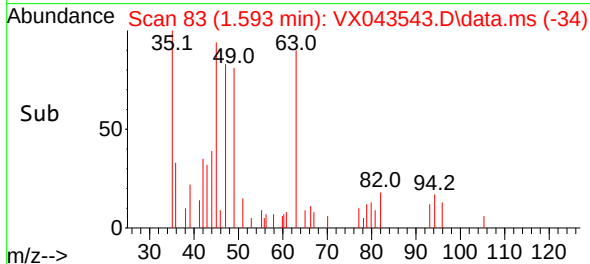
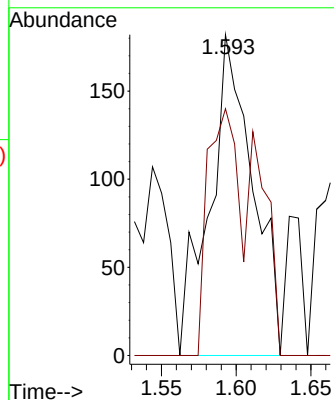
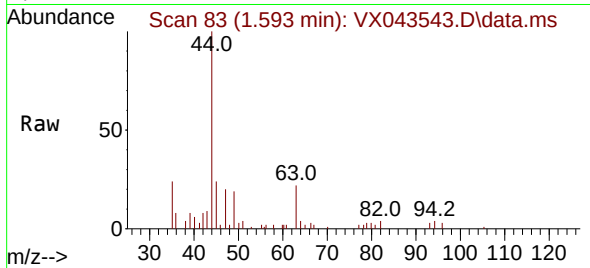




#5
Bromomethane
Concen: 0.740 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

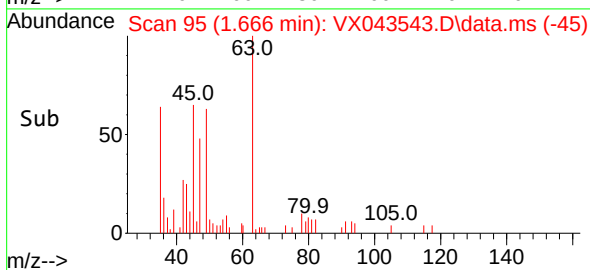
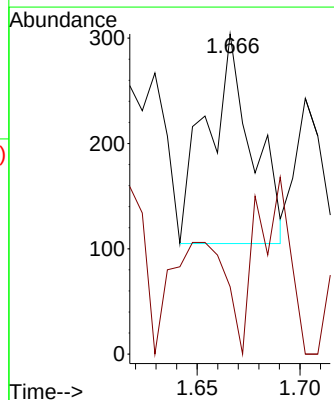
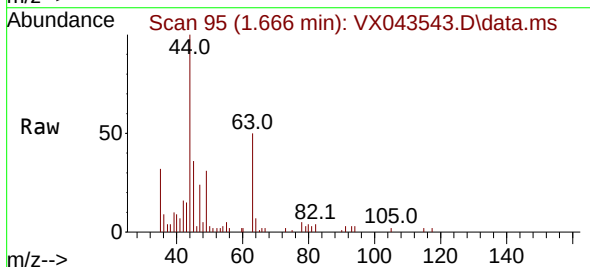
Instrument :
MSVOA_X
ClientSampleId :

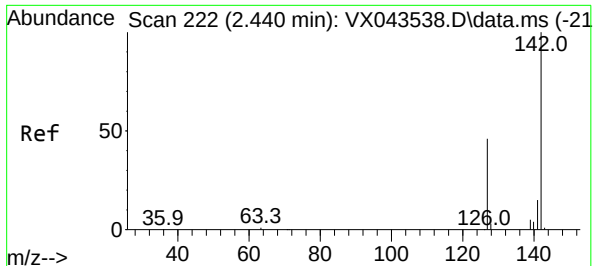
Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 76.9 75.9 113.9



#6
Chloroethane
Concen: 0.726 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

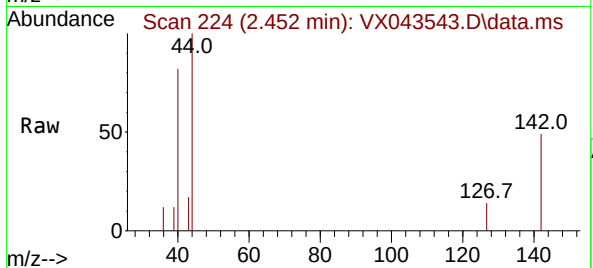
Tgt Ion: 64 Resp: 301
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



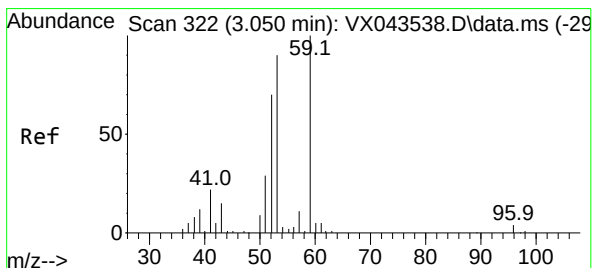
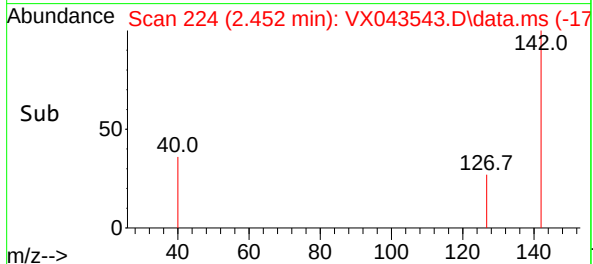
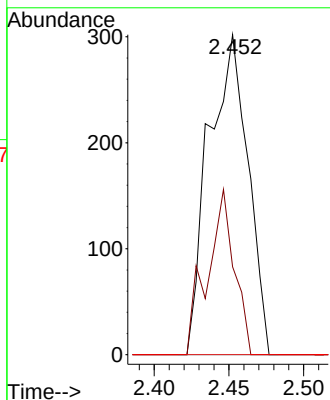


#10
Methyl Iodide
Concen: 0.379 ug/l
RT: 2.452 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Instrument :
MSVOA_X
ClientSampleId :

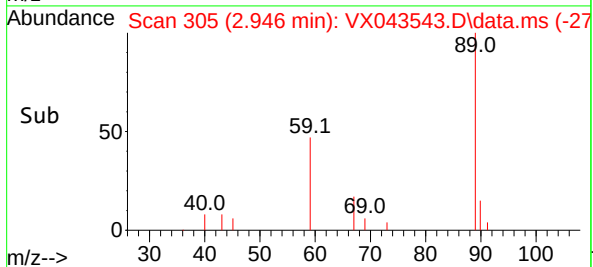
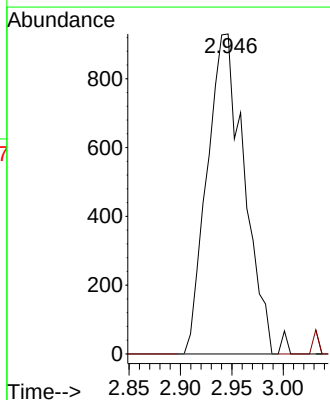
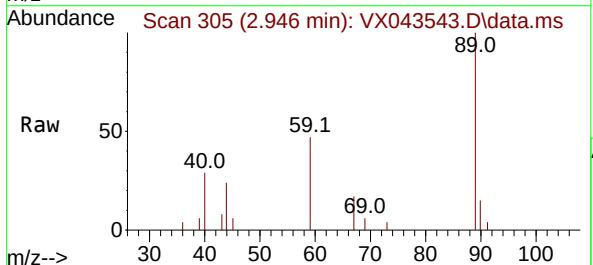


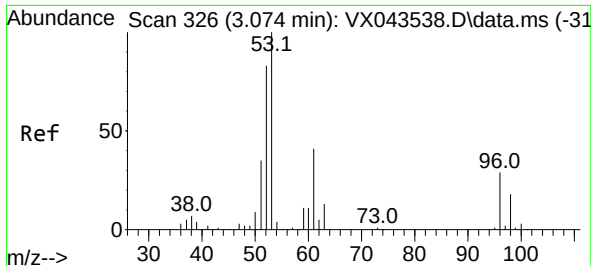
Tgt Ion:142 Resp: 551
Ion Ratio Lower Upper
142 100
127 35.6 38.2 57.4#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 7.011 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.104 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion: 59 Resp: 2322
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#15

Acrylonitrile

Concen: 0.241 ug/l

RT: 3.099 min Scan# 31

Delta R.T. 0.024 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

ClientSampleId :

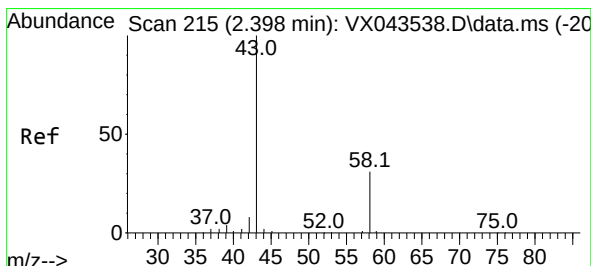
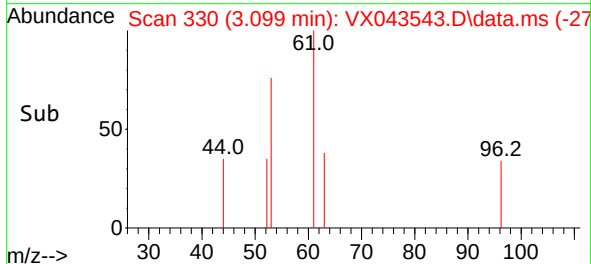
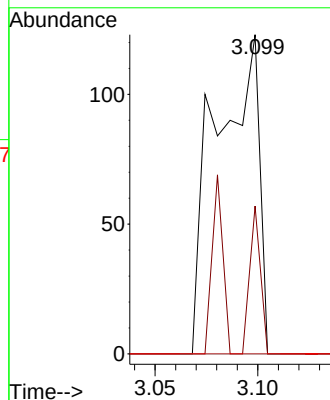
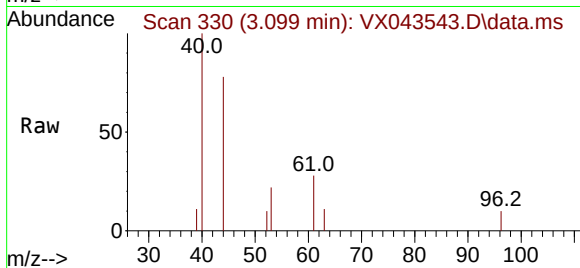
Tgt Ion: 53 Resp: 177

Ion Ratio Lower Upper

53 100

52 11.9 65.8 98.6#

51 0.0 28.5 42.7#



#16

Acetone

Concen: 0.896 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX043543.D

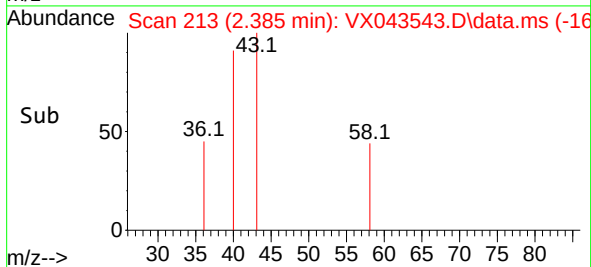
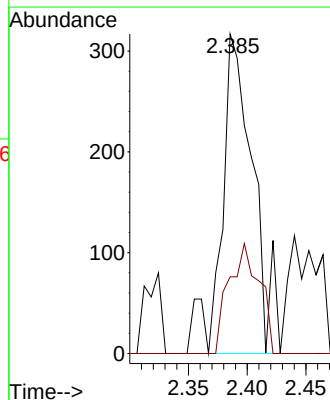
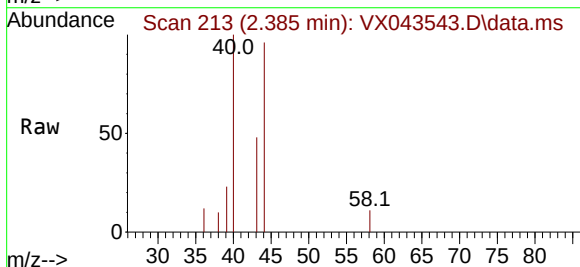
Acq: 26 Oct 2024 02:30

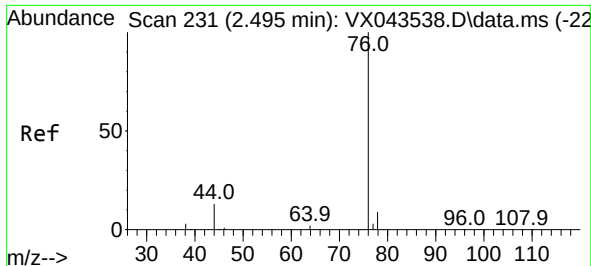
Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

43 100

58 24.0 25.1 37.7#





#17

Carbon Disulfide

Concen: 0.470 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

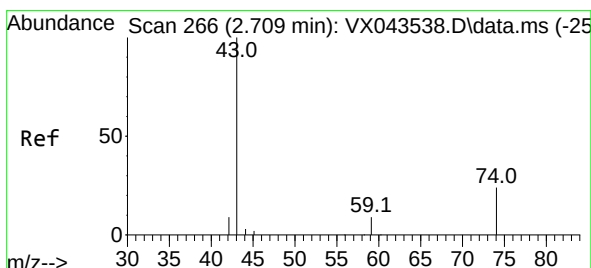
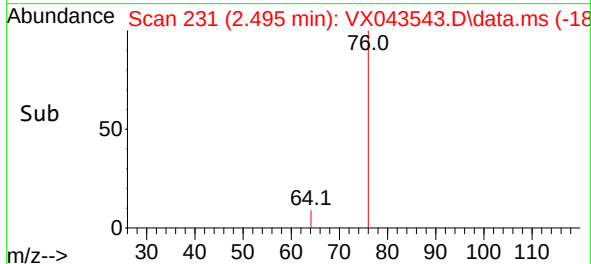
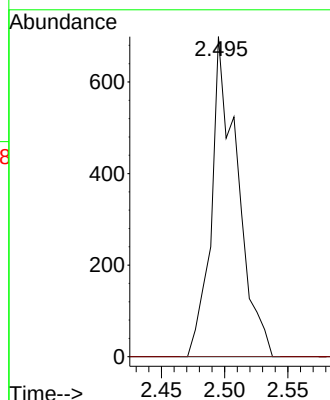
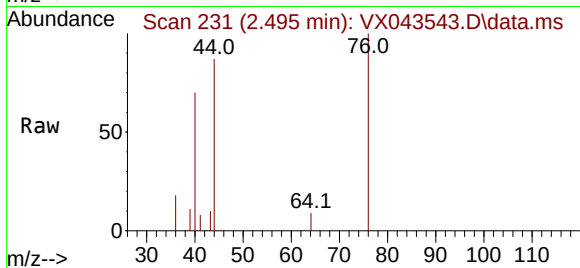
ClientSampleId :

Tgt Ion: 76 Resp: 1004

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.231 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX043543.D

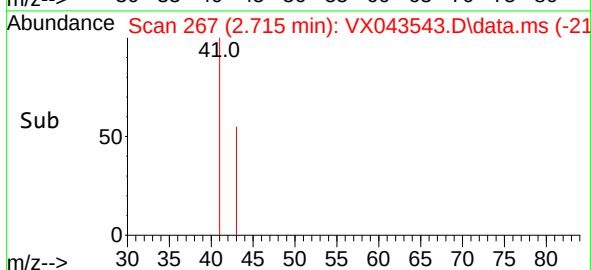
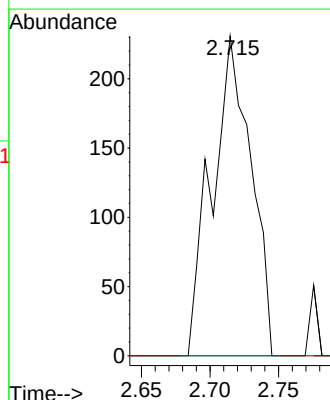
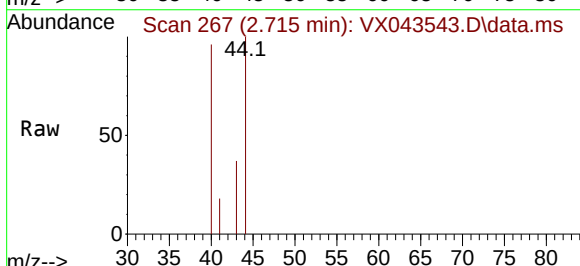
Acq: 26 Oct 2024 02:30

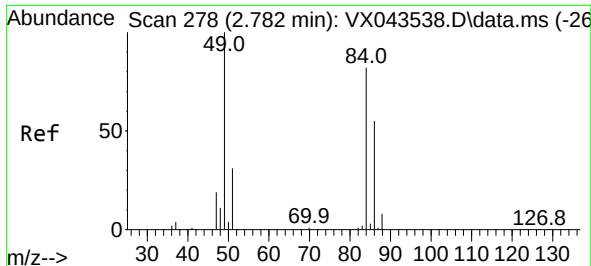
Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

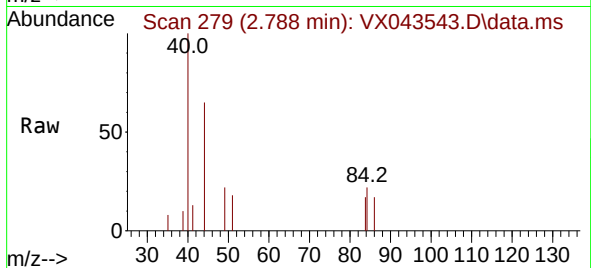
74 0.0 19.1 28.7#



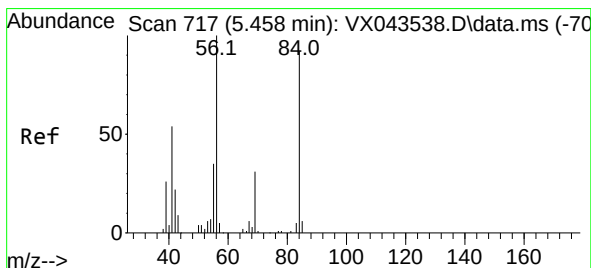
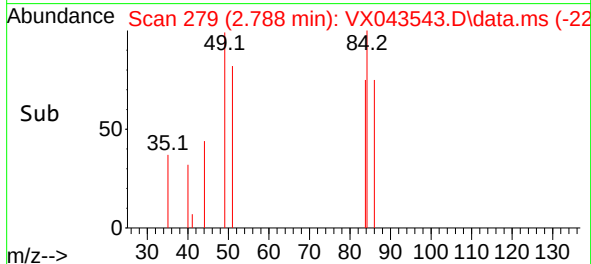
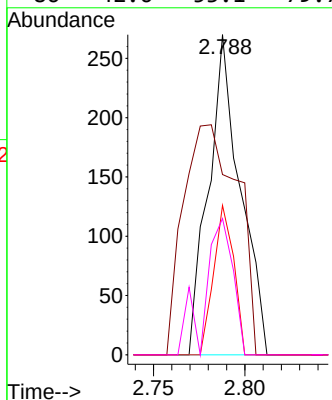


#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Instrument :
MSVOA_X
ClientSampleId :

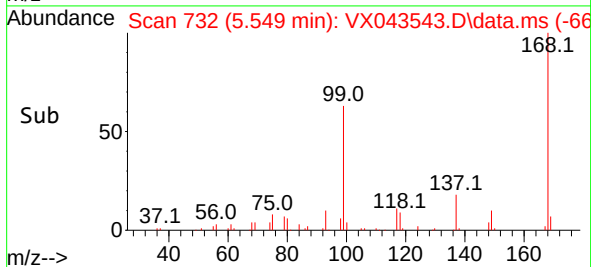
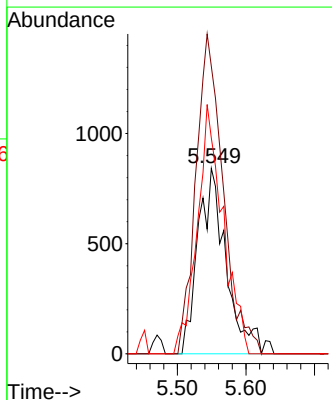
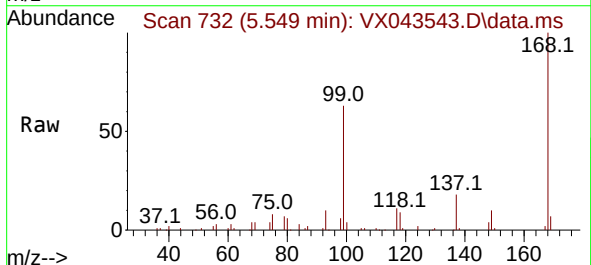


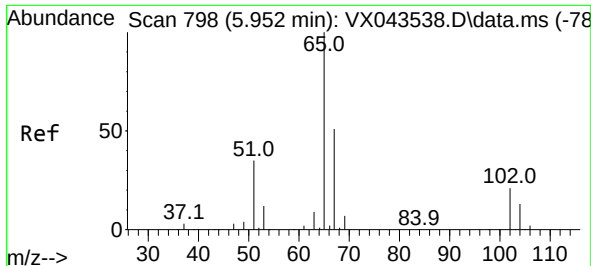
Tgt Ion: 84	Resp: 326
Ion Ratio	Lower Upper
84 100	
49 56.3	97.0 145.6#
51 46.7	29.8 44.8#
86 42.6	53.1 79.7#



#31
Cyclohexane
Concen: 1.427 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion: 56	Resp:	2413	
Ion	Ratio	Lower	Upper
56	100		
69	155.0	24.9	37.3#
84	116.4	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 57.582 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

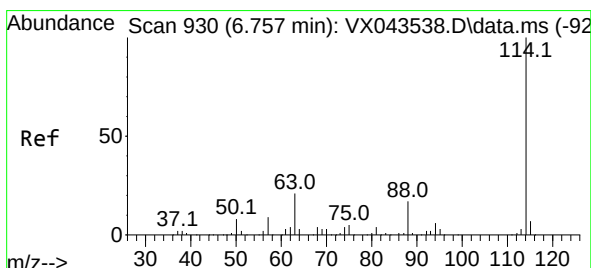
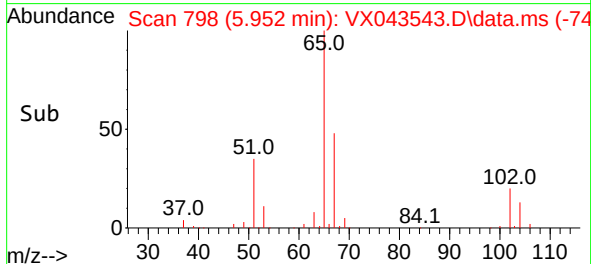
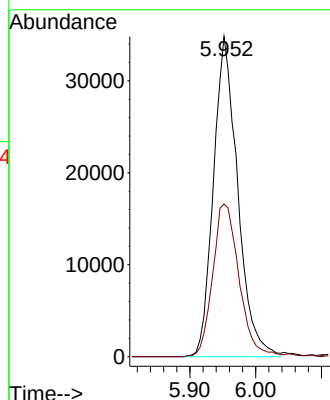
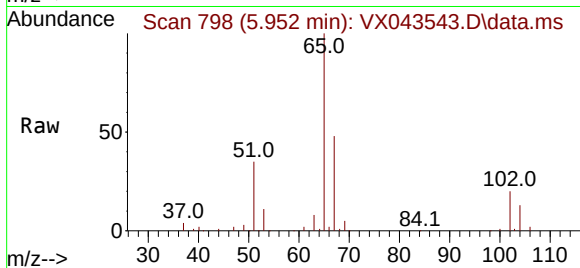
ClientSampleId :

Tgt Ion: 65 Resp: 89289

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

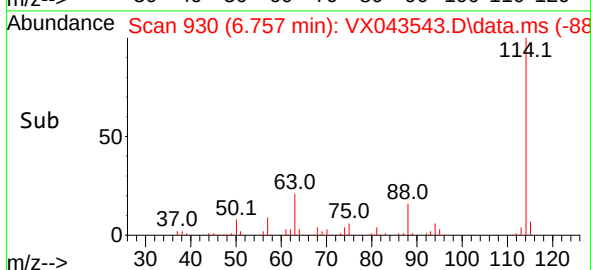
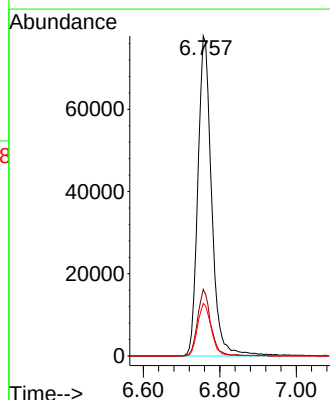
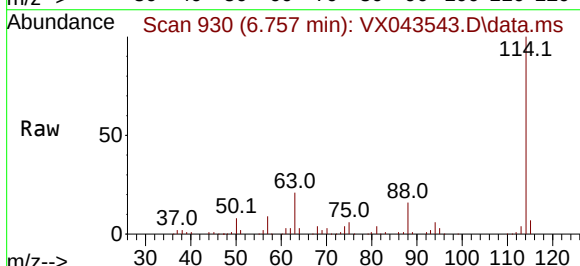
Tgt Ion: 114 Resp: 193770

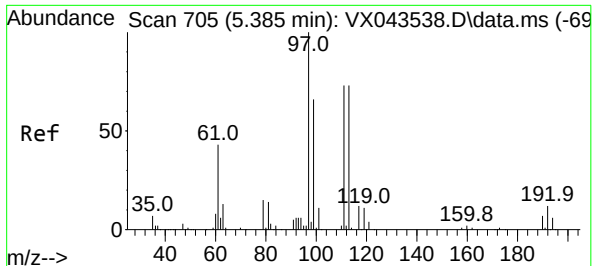
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

88 16.4 0.0 34.0

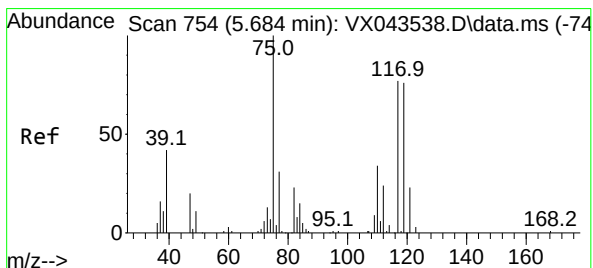
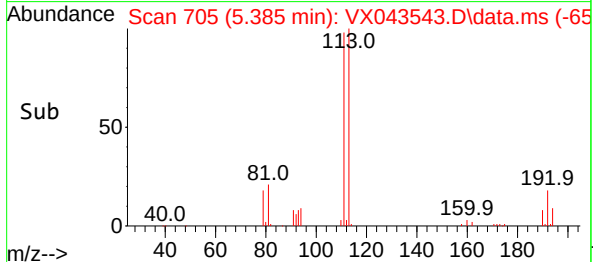
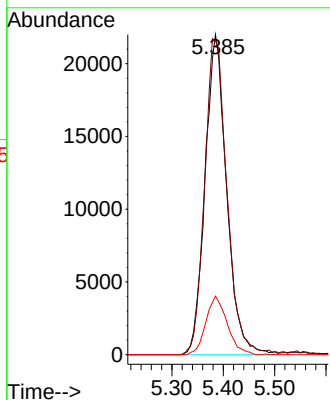
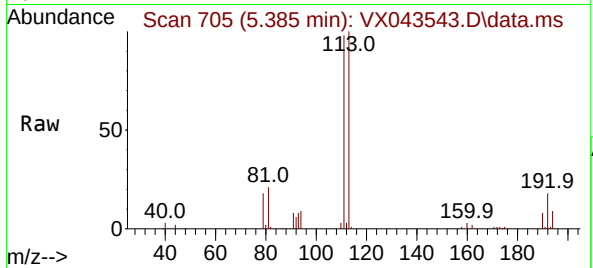




#35
Dibromofluoromethane
Concen: 49.889 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

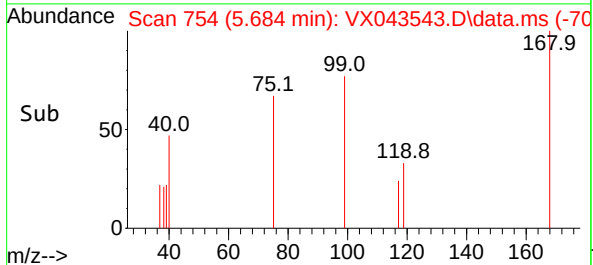
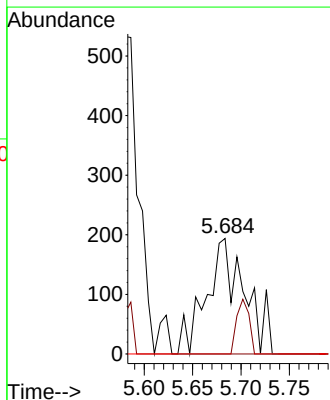
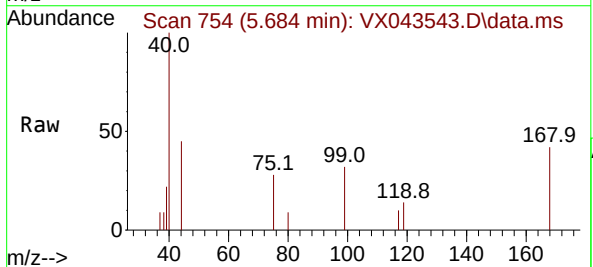
Instrument :
MSVOA_X
ClientSampleId :

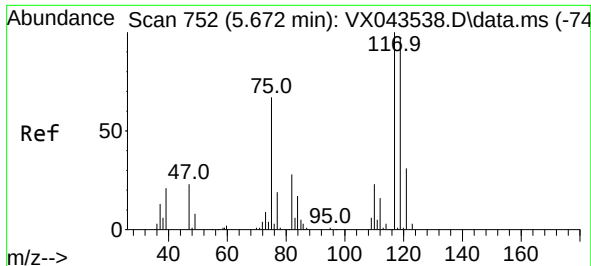
Tgt Ion:113 Resp: 64370
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 18.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 0.352 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

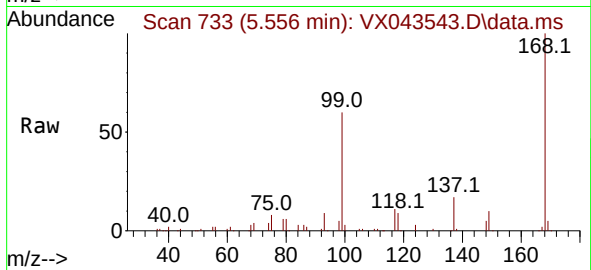
Tgt Ion: 75 Resp: 537
Ion Ratio Lower Upper
75 100
110 15.3 17.9 53.7#
77 0.0 25.0 37.4#



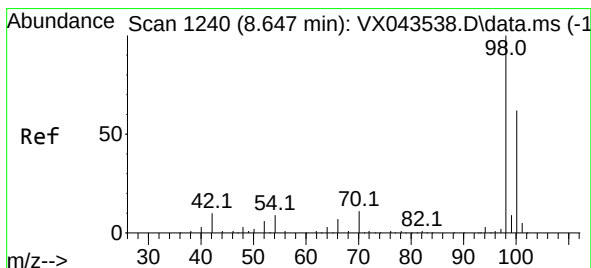
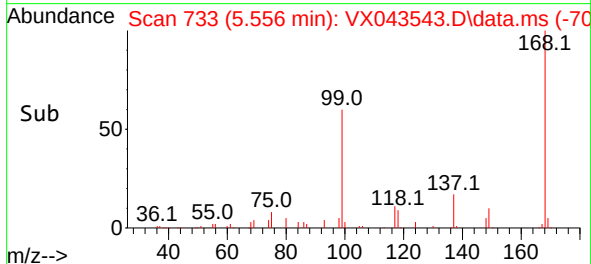
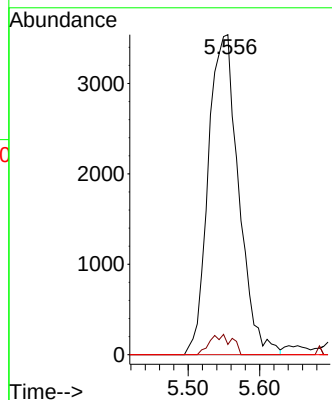


#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Instrument :
MSVOA_X
ClientSampleId :

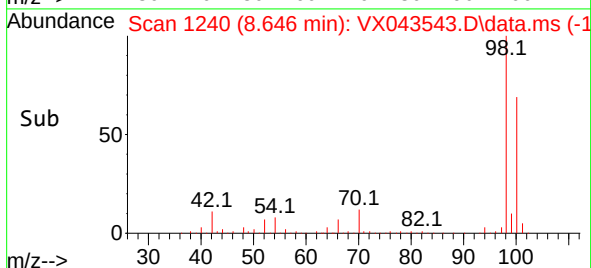
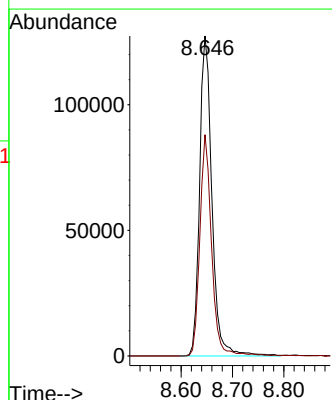
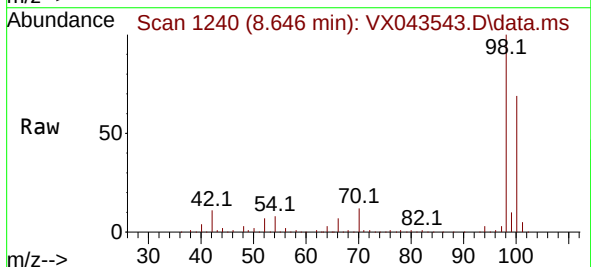


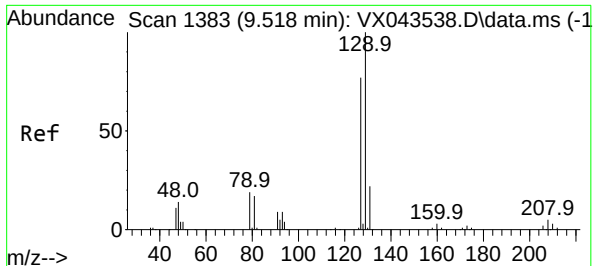
Tgt Ion:117 Resp: 10436
Ion Ratio Lower Upper
117 100
119 3.2 77.0 115.6#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.406 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion: 98 Resp: 212085
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.2

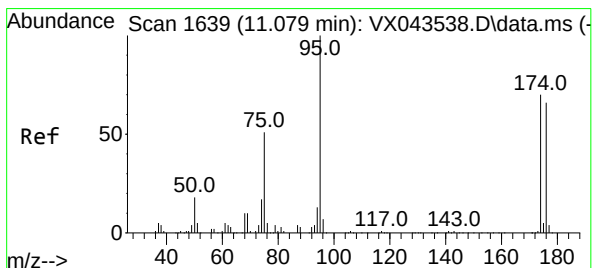
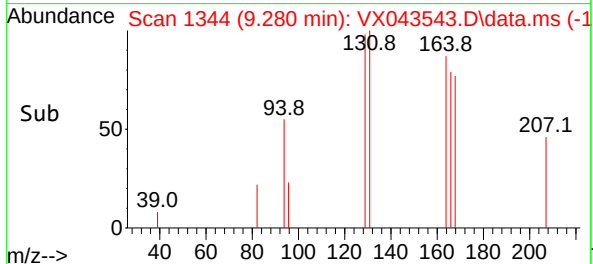
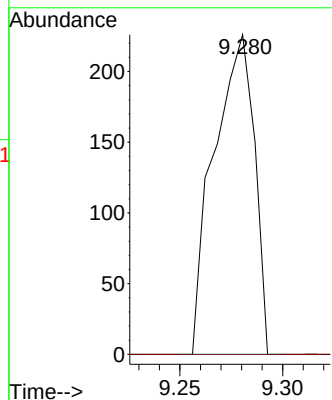
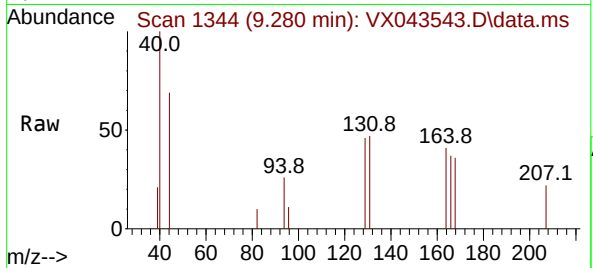




#60
Dibromochloromethane
Concen: 0.249 ug/l
RT: 9.280 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

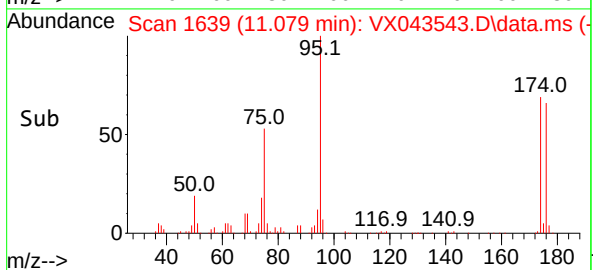
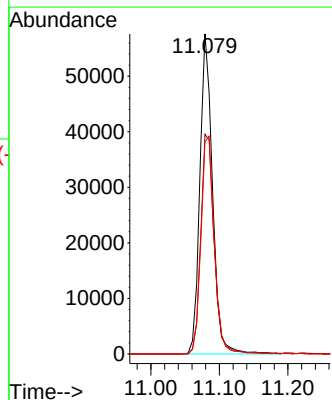
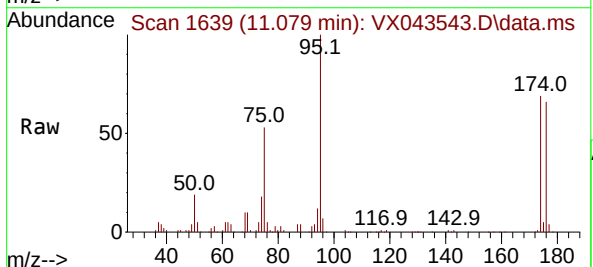
Instrument :
MSVOA_X
ClientSampleId :

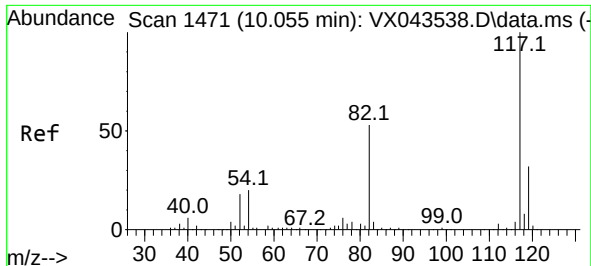
Tgt Ion:129 Resp: 309
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 45.330 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion: 95 Resp: 74073
Ion Ratio Lower Upper
95 100
174 73.1 0.0 146.6
176 71.4 0.0 139.6

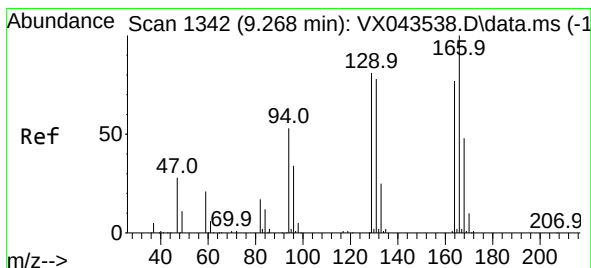
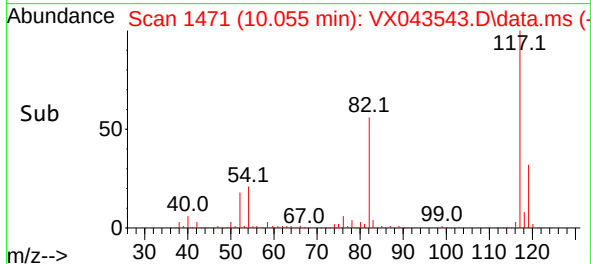
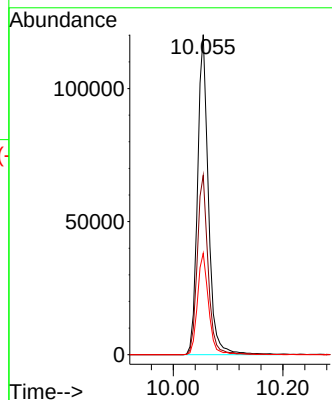
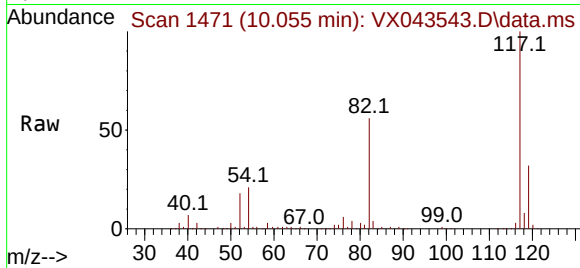




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

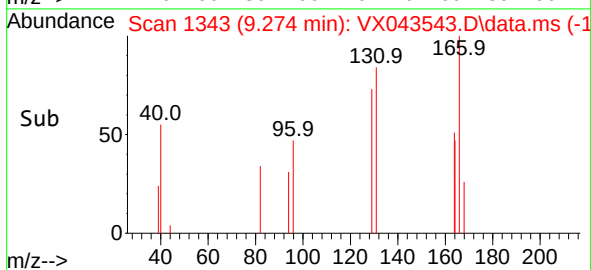
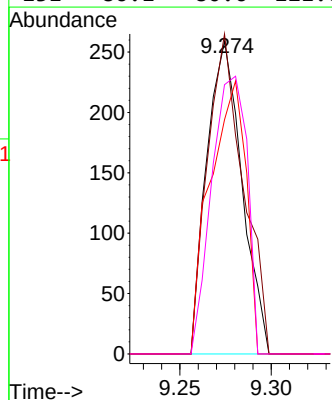
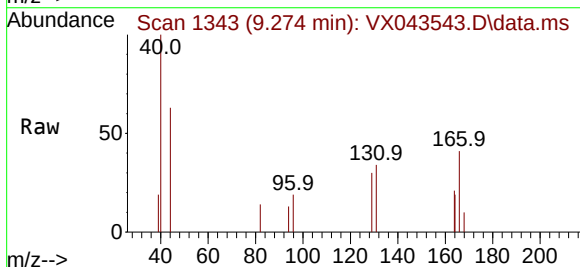
Instrument :
MSVOA_X
ClientSampleId :

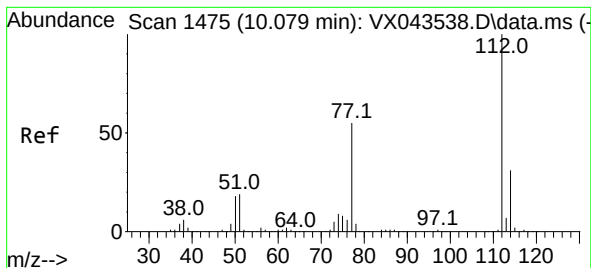
Tgt Ion:117 Resp: 166158
Ion Ratio Lower Upper
117 100
82 56.1 42.1 63.1
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 0.335 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion:164 Resp: 348
Ion Ratio Lower Upper
164 100
166 102.3 103.8 155.6#
129 74.9 83.8 125.6#
131 86.1 80.6 121.0

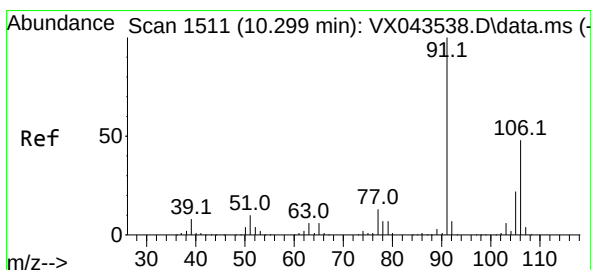
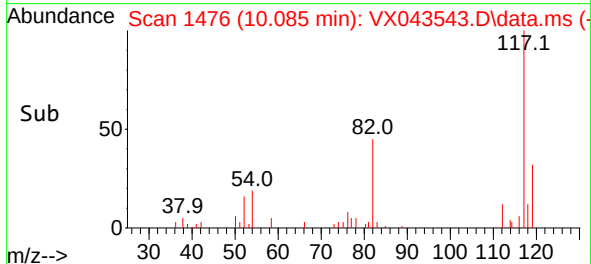
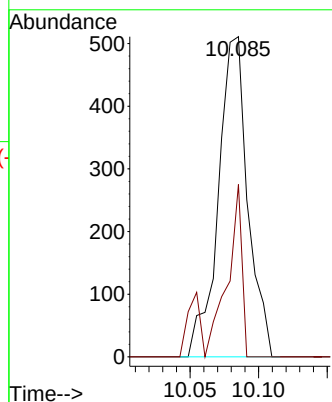
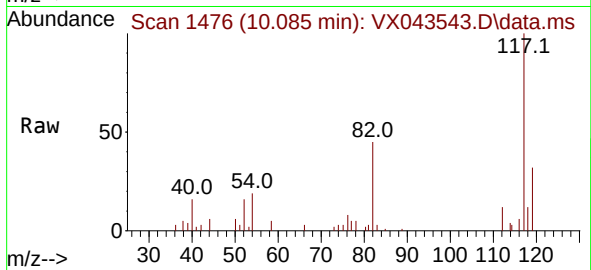




#65
Chlorobenzene
Concen: 0.222 ug/l
RT: 10.085 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

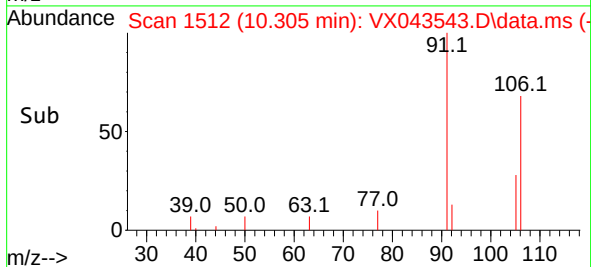
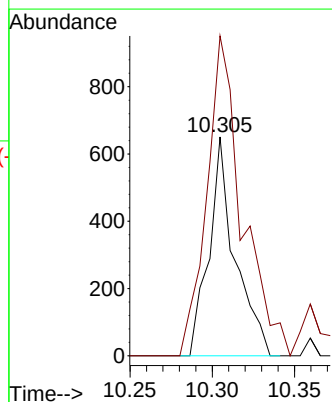
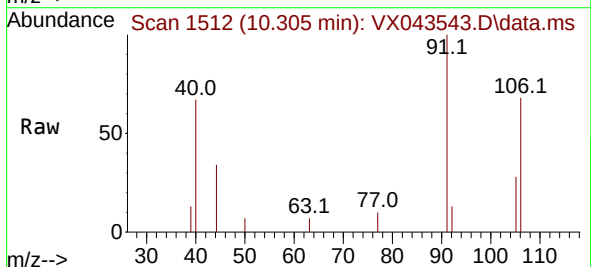
Instrument :
MSVOA_X
ClientSampleId :

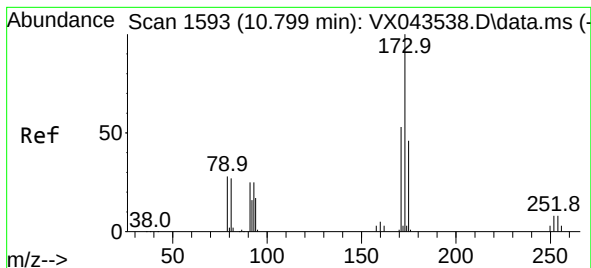
Tgt Ion:112 Resp: 766
Ion Ratio Lower Upper
112 100
114 53.8 25.0 37.6#



#68
m/p-Xylenes
Concen: 0.327 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion:106 Resp: 713
Ion Ratio Lower Upper
106 100
91 199.2 164.7 247.1





#71

Bromoform

Concen: 3.768 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

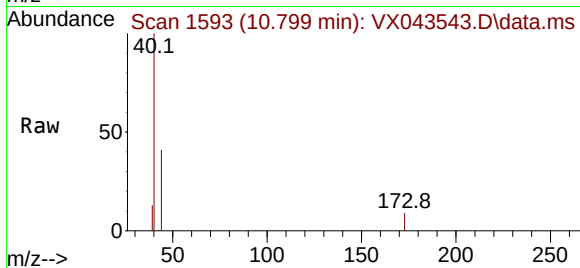
Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

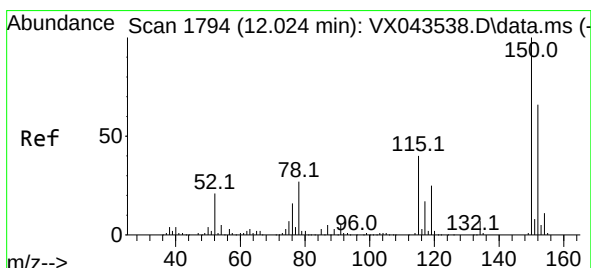
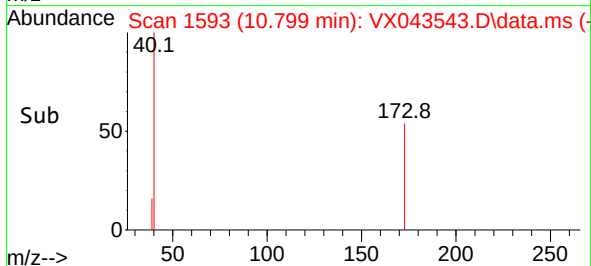
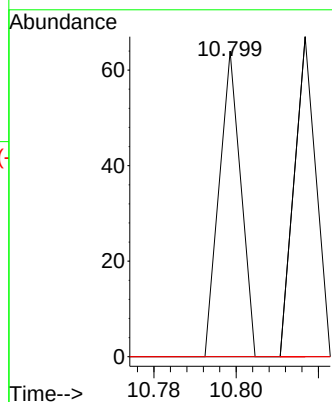
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:173	Resp:	23
Ion Ratio	Lower	Upper
173	100	
175	0.0	23.3 69.9#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

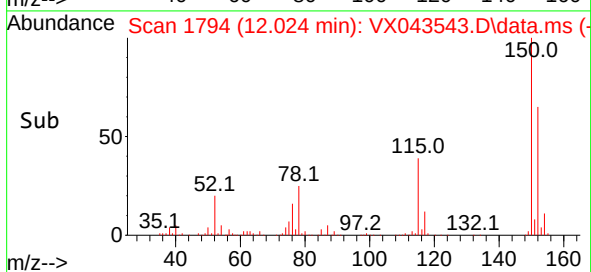
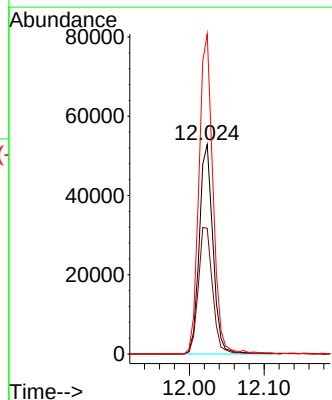
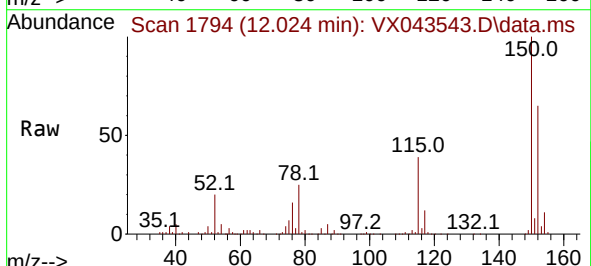
RT: 12.024 min Scan# 1794

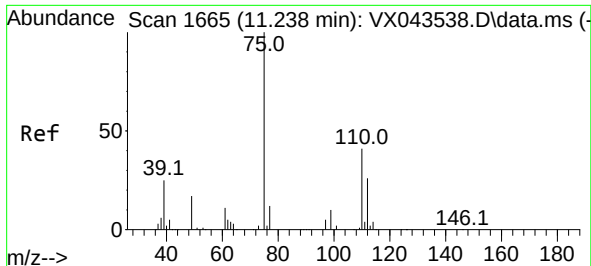
Delta R.T. -0.000 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Tgt Ion:152	Resp:	67211
Ion Ratio	Lower	Upper
152	100	
115	63.0	42.9 128.7
150	156.6	0.0 343.6

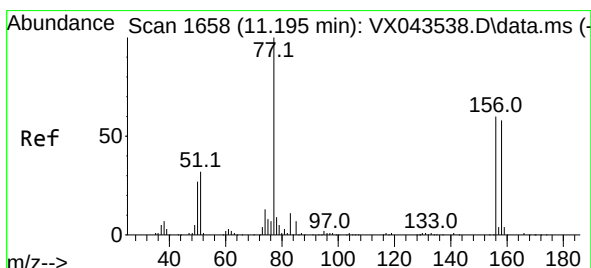
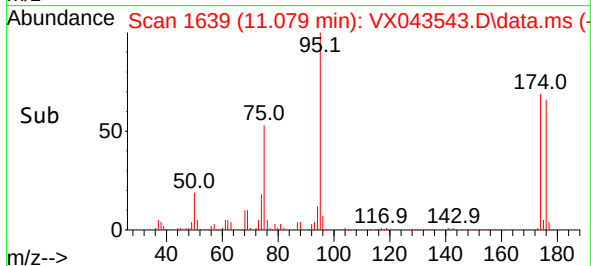
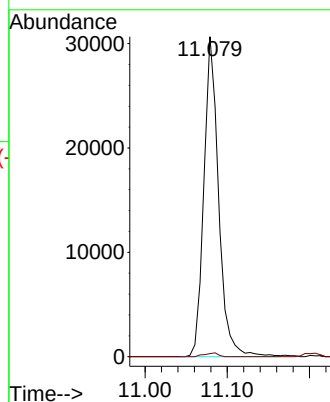
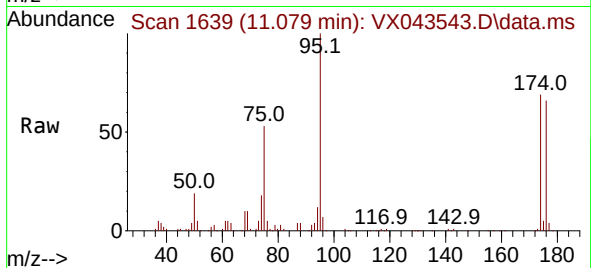




#76
1,2,3-Trichloropropane
Concen: 24.428 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

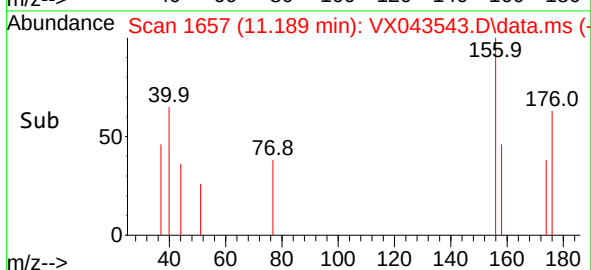
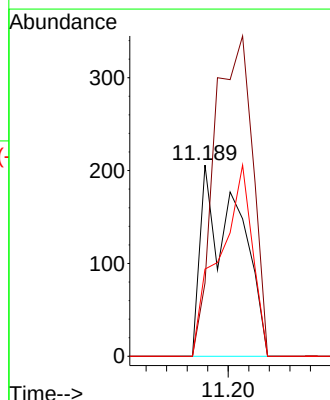
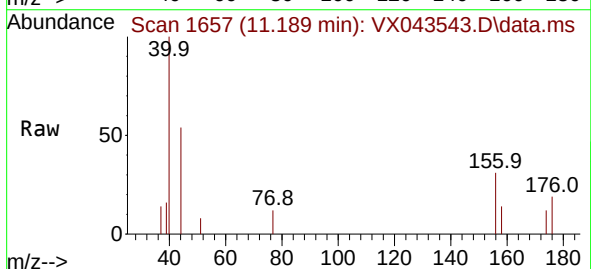
Instrument :
MSVOA_X
ClientSampleId :

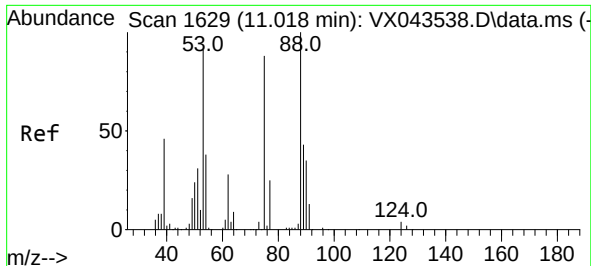
Tgt Ion: 75 Resp: 38168
Ion Ratio Lower Upper
75 100
77 1.1 22.4 67.2#



#77
Bromobenzene
Concen: 0.213 ug/l
RT: 11.189 min Scan# 1657
Delta R.T. -0.006 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion:156 Resp: 261
Ion Ratio Lower Upper
156 100
77 169.3 79.7 239.1
158 88.1 48.0 144.0

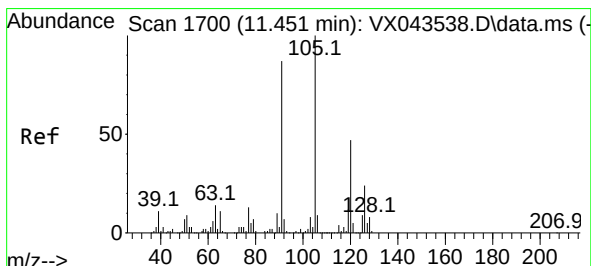
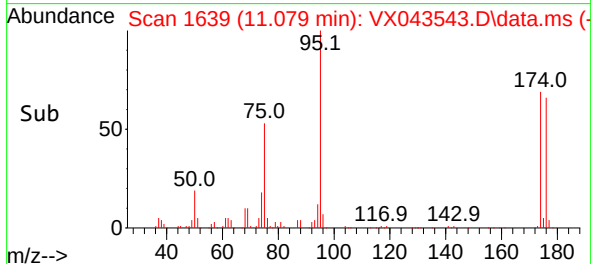
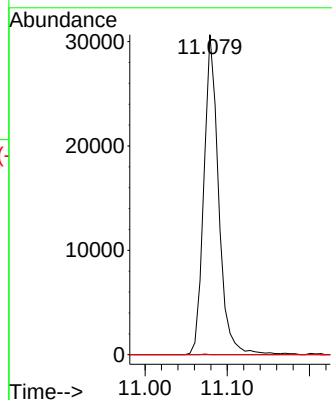
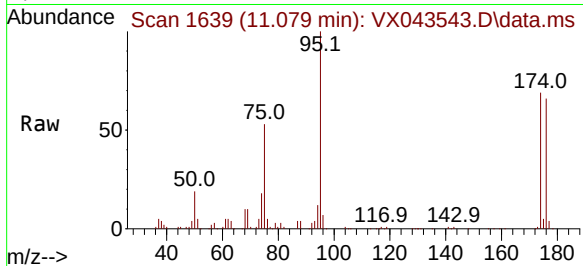




#81
trans-1,4-Dichloro-2-butene
Concen: 65.386 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

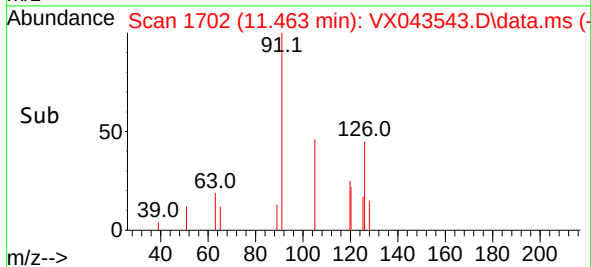
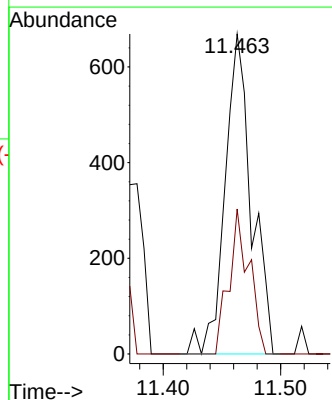
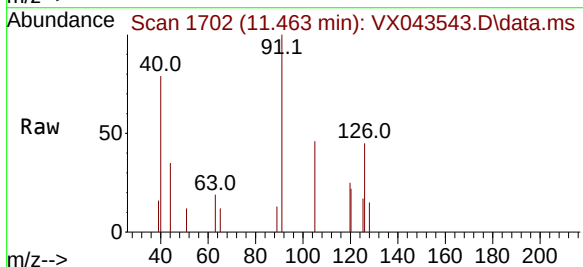
Instrument :
MSVOA_X
ClientSampleId :

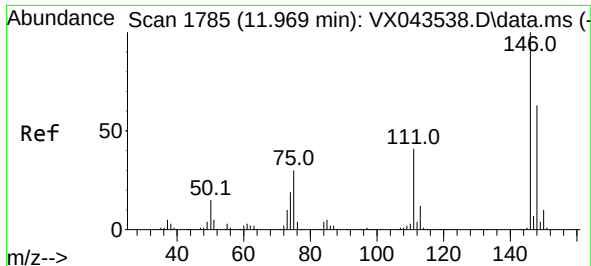
Tgt Ion: 75 Resp: 38168
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.1 38.6 58.0#



#82
4-Chlorotoluene
Concen: 0.277 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX043543.D
Acq: 26 Oct 2024 02:30

Tgt Ion: 91 Resp: 1052
Ion Ratio Lower Upper
91 100
126 34.5 14.2 42.8





#87

1,3-Dichlorobenzene

Concen: 0.328 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

ClientSampleId :

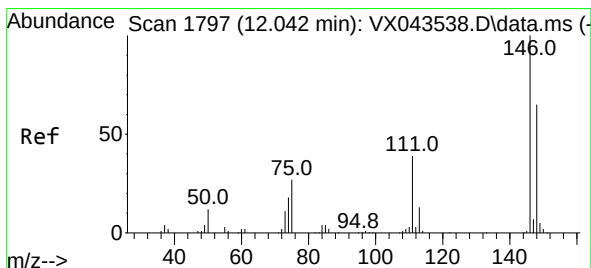
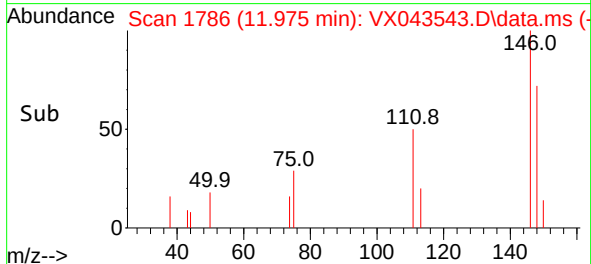
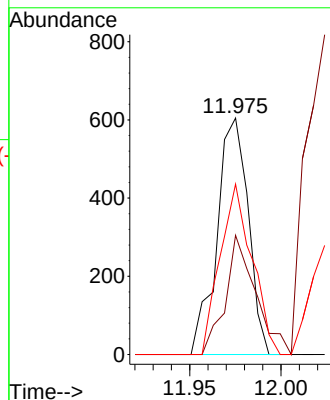
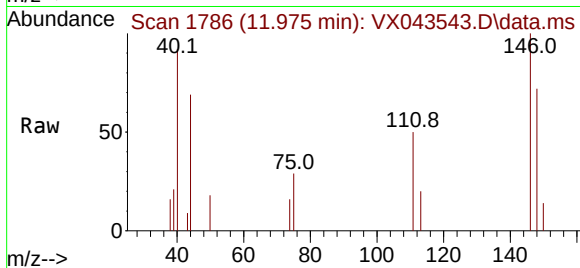
Tgt Ion:146 Resp: 721

Ion Ratio Lower Upper

146 100

111 48.7 21.1 63.4

148 73.6 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 0.325 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

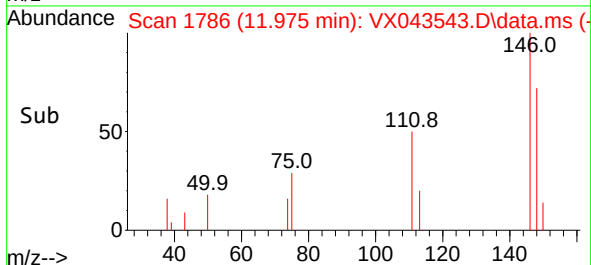
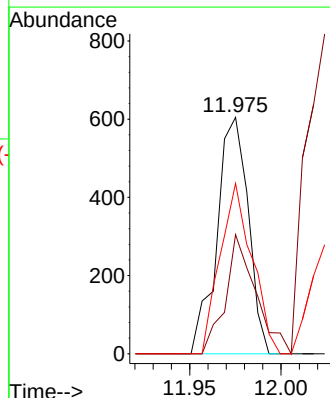
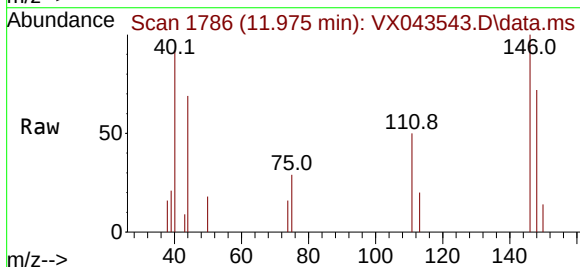
Tgt Ion:146 Resp: 721

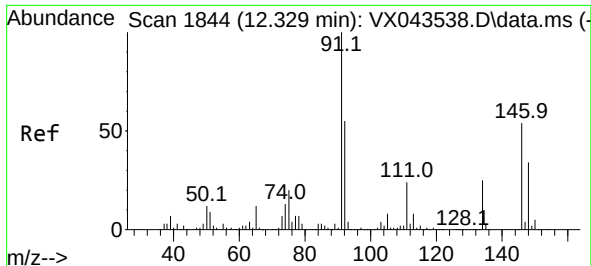
Ion Ratio Lower Upper

146 100

111 48.7 20.4 61.3

148 73.6 31.9 95.9





#89

n-Butylbenzene

Concen: 0.239 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043543.D

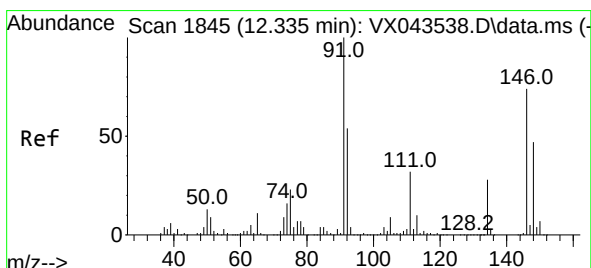
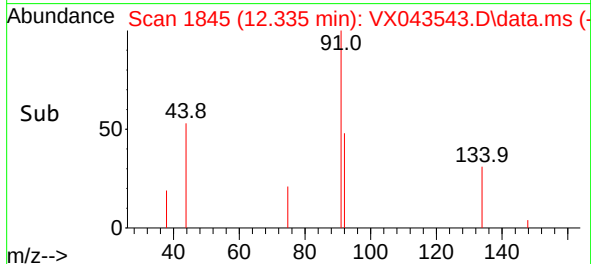
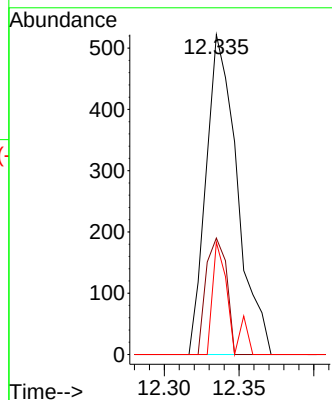
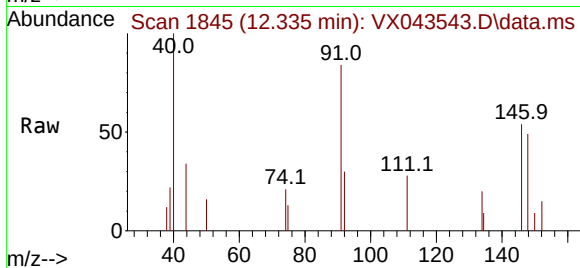
Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	755
Ion	Ratio	Lower Upper
91	100	
92	24.0	27.1 81.2#
134	18.0	12.9 38.6



#91

1,2-Dichlorobenzene

Concen: 0.238 ug/l

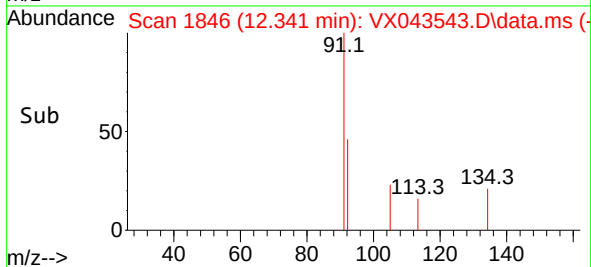
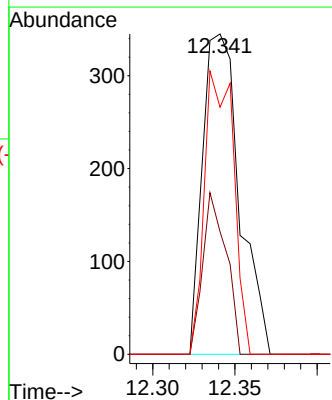
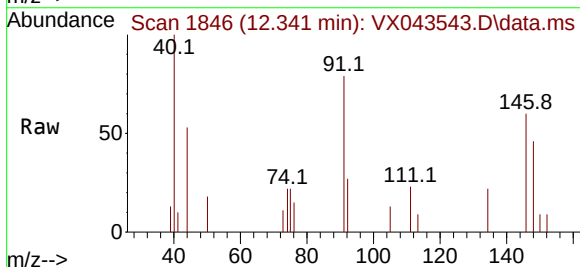
RT: 12.341 min Scan# 1846

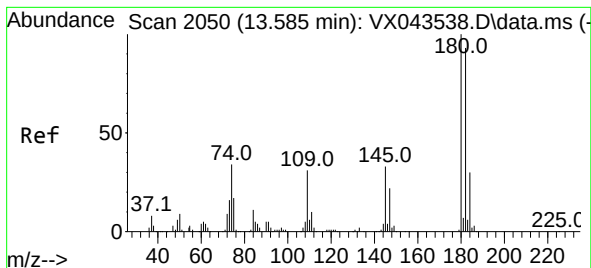
Delta R.T. 0.006 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Tgt Ion: 146	Resp:	540
Ion	Ratio	Lower Upper
146	100	
111	31.9	21.6 64.6
148	69.4	31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.400 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043543.D

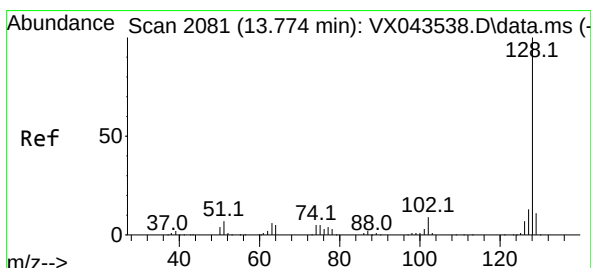
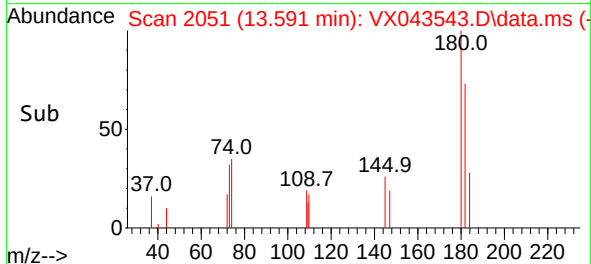
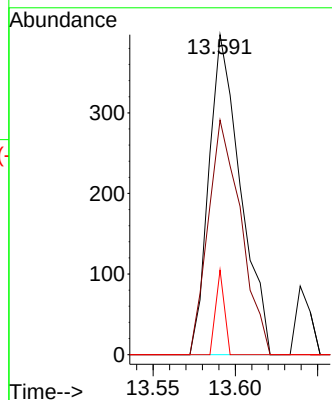
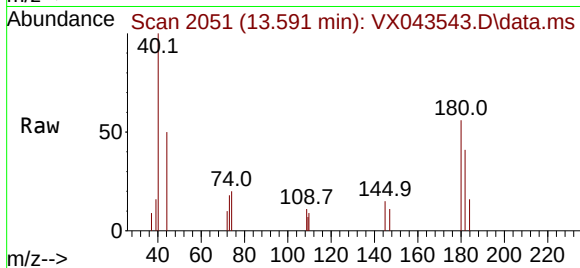
Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	532
Ion Ratio	Lower	Upper
180	100	
182	75.6	46.8 140.4
145	7.1	16.1 48.3#



#95

Naphthalene

Concen: 0.410 ug/l

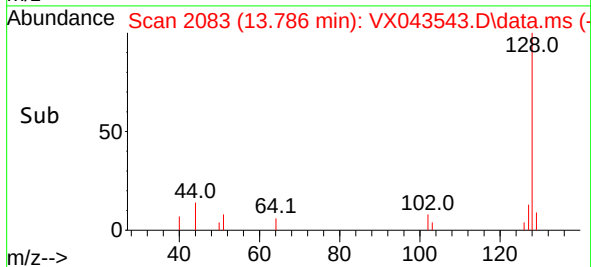
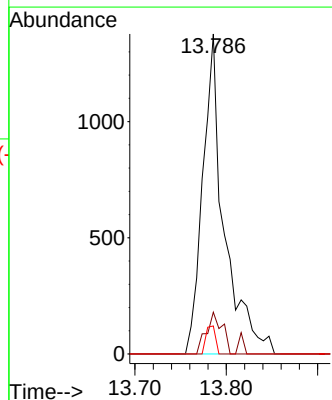
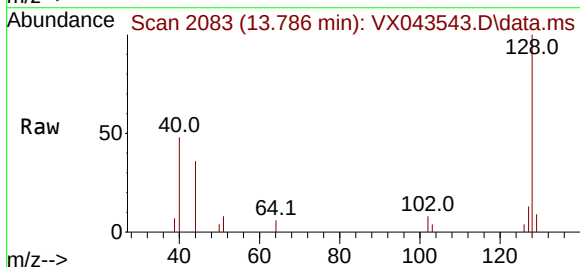
RT: 13.786 min Scan# 2083

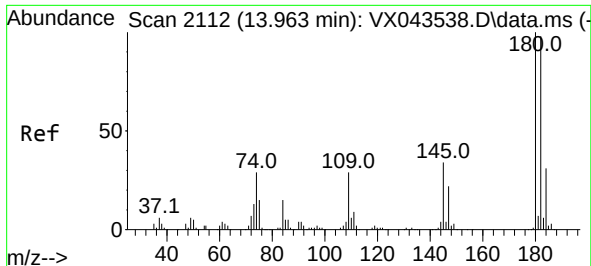
Delta R.T. 0.012 min

Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Tgt Ion:128	Resp:	2234
Ion Ratio	Lower	Upper
128	100	
127	9.7	10.2 15.4#
129	3.8	8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.376 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

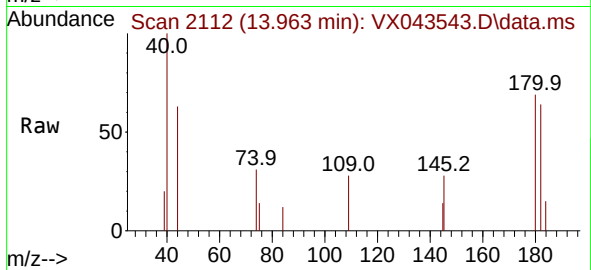
Lab File: VX043543.D

Acq: 26 Oct 2024 02:30

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 523

Ion Ratio Lower Upper

180 100

182 92.5 47.1 141.3

145 33.3 17.4 52.3

