

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051023\
 Data File : VX035586.D
 Acq On : 10 May 2023 15:14
 Operator : JC/MD
 Sample : 02658-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 507

Quant Time: May 11 04:20:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	317066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	508271	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	461957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228892	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	160336	41.916	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.840%
35) Dibromofluoromethane	5.385	113	155288	49.778	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	8.647	98	581951	49.451	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.900%
62) 4-Bromofluorobenzene	11.079	95	226634	51.194	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.380%

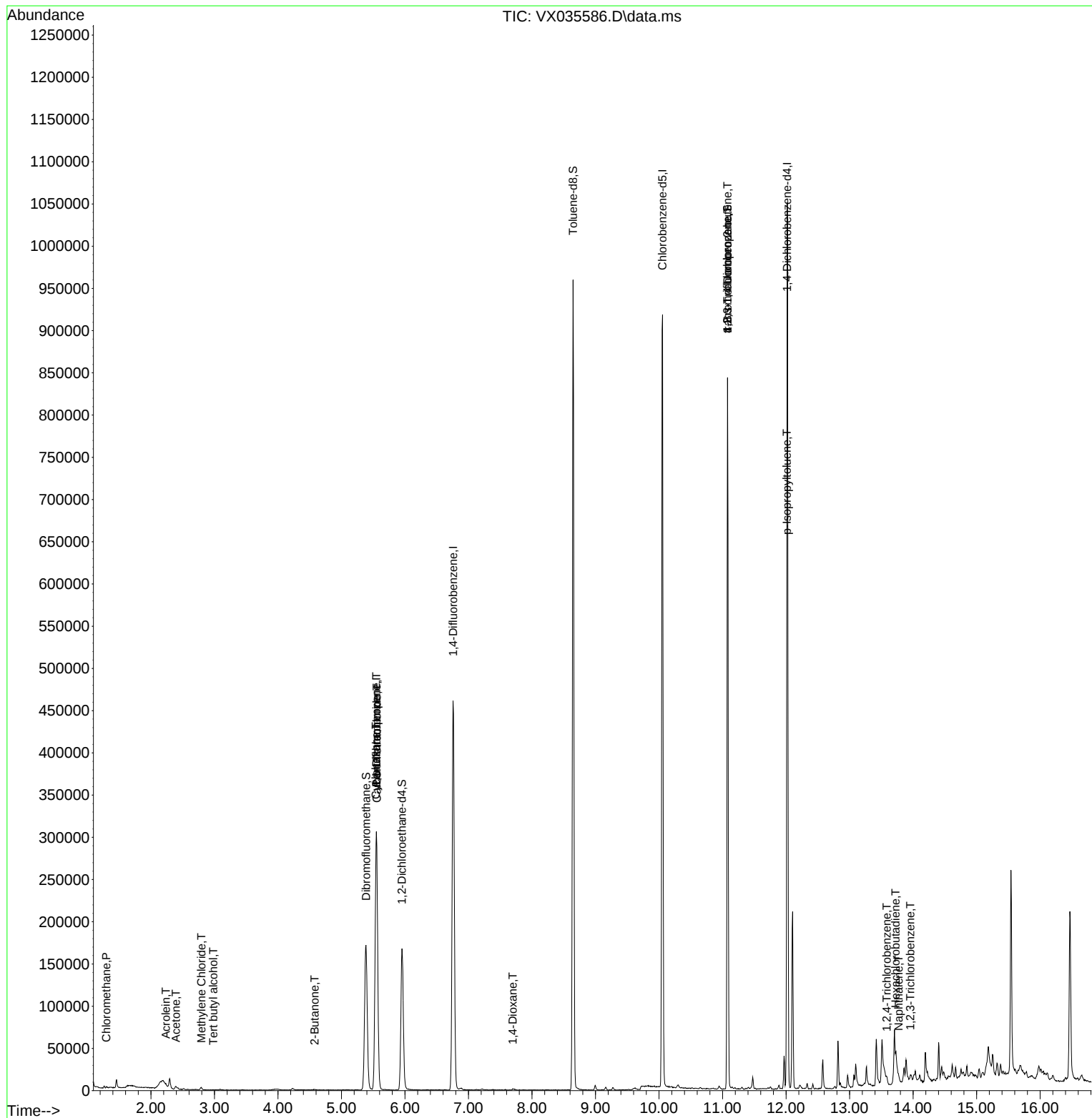
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	1323	0.433	ug/l	94
11) Tert butyl alcohol	2.983	59	263	0.378	ug/l #	73
13) Acrolein	2.233	56	315	0.460	ug/l #	47
16) Acetone	2.392	43	4511	2.715	ug/l	99
20) Methylene Chloride	2.794	84	1743	0.458	ug/l #	75
25) 2-Butanone	4.574	43	1037	0.428	ug/l #	51
31) Cyclohexane	5.544	56	5152	0.949	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20315	4.170	ug/l #	51
38) Carbon Tetrachloride	5.556	117	28885	6.247	ug/l #	15
49) 1,4-Dioxane	7.696	88	656	7.339	ug/l #	94
76) 1,2,3-Trichloropropane	11.079	75	103525	22.674	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	103525	73.436	ug/l #	8
86) p-Isopropyltoluene	12.012	119	5273	0.357	ug/l #	75
93) 1,2,4-Trichlorobenzene	13.585	180	1516	0.305	ug/l	97
94) Hexachlorobutadiene	13.725	225	1442	0.661	ug/l	87
95) Naphthalene	13.774	128	3875	0.253	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.957	180	1462	0.292	ug/l	89

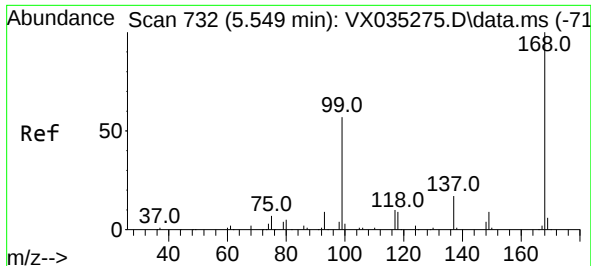
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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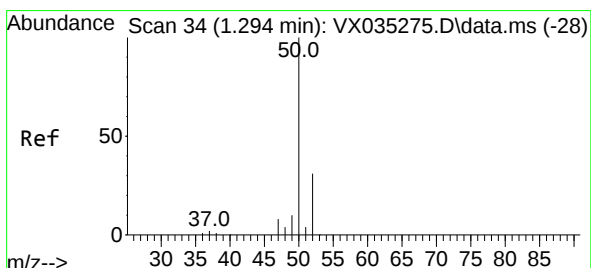
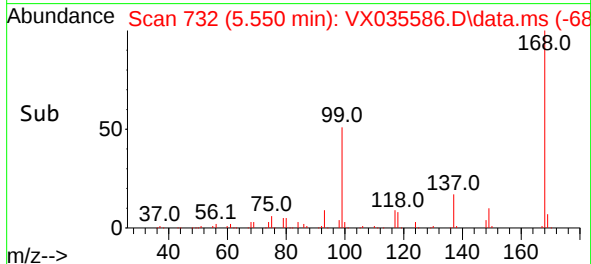
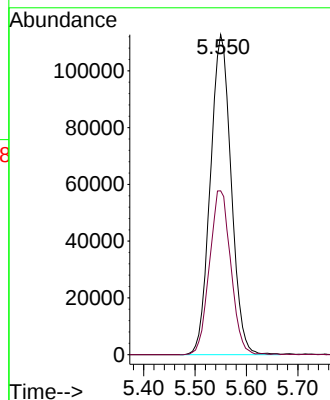
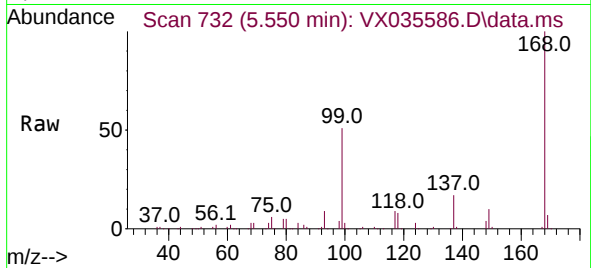




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

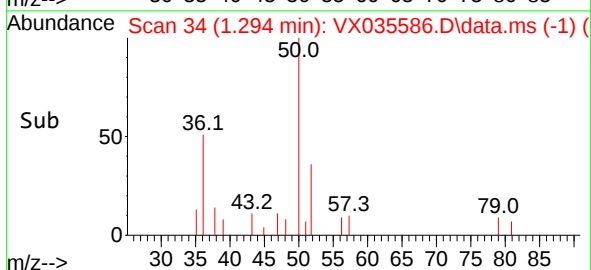
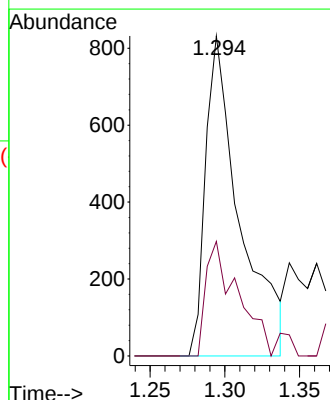
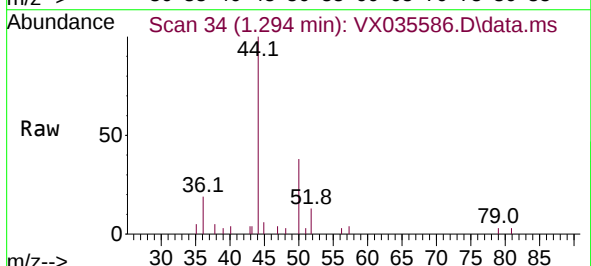
Instrument :
MSVOA_X
ClientSampleId :
507

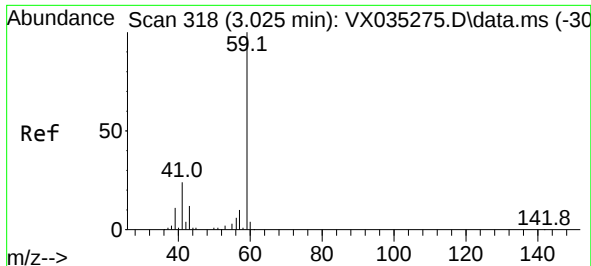
Tgt Ion:168 Resp: 317066
Ion Ratio Lower Upper
168 100
99 51.2 45.7 68.5



#3
Chloromethane
Concen: 0.433 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

Tgt Ion: 50 Resp: 1323
Ion Ratio Lower Upper
50 100
52 35.8 25.9 38.9





#11

Tert butyl alcohol

Concen: 0.378 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.042 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

Instrument :

MSVOA_X

ClientSampleId :

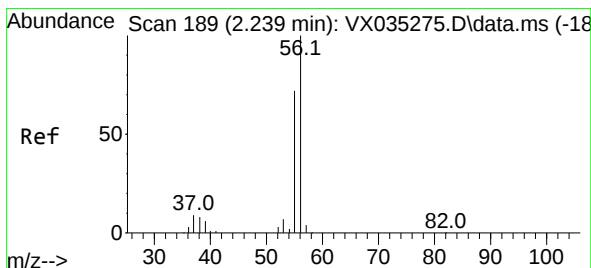
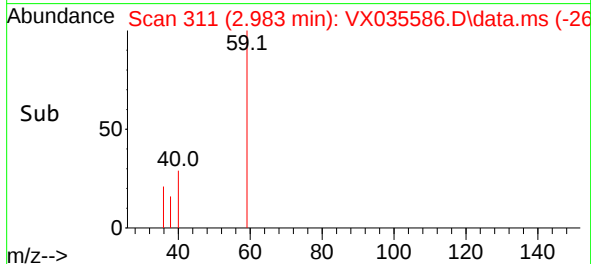
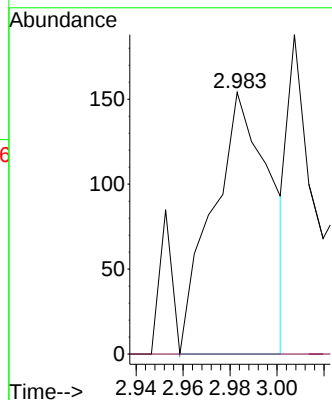
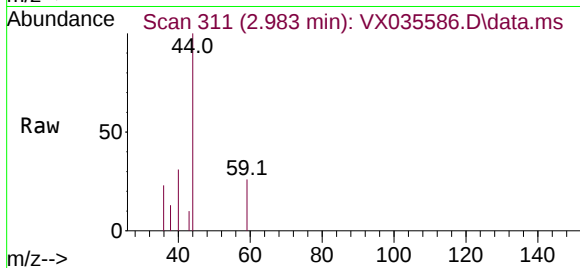
507

Tgt Ion: 59 Resp: 263

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.460 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX035586.D

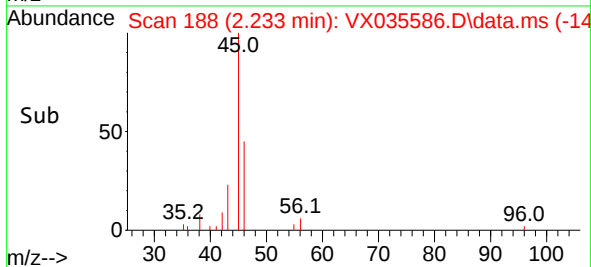
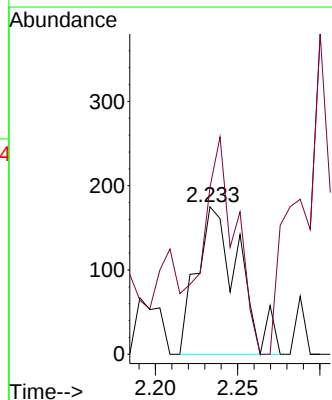
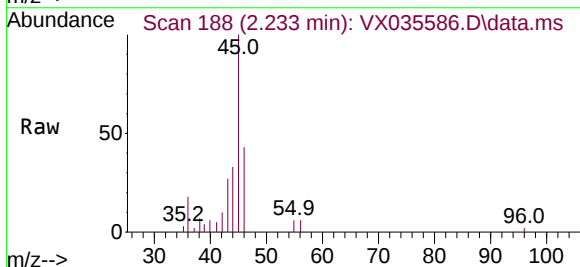
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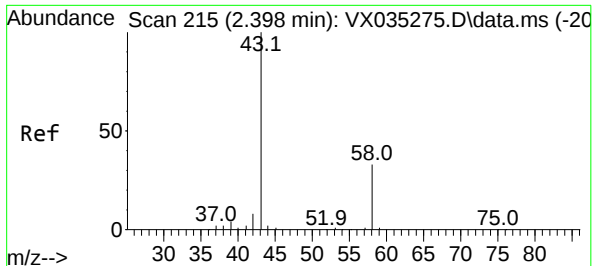
Tgt Ion: 56 Resp: 315

Ion Ratio Lower Upper

56 100

55 114.3 56.6 85.0#

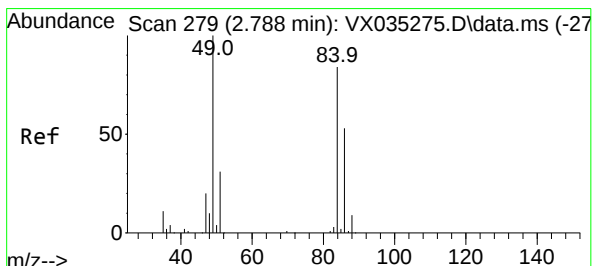
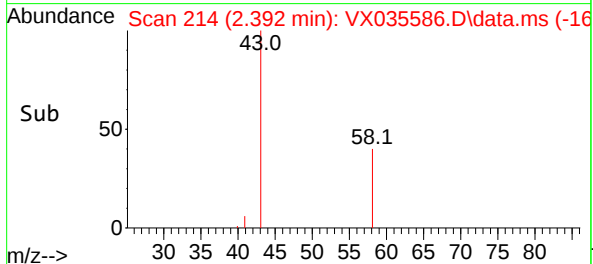
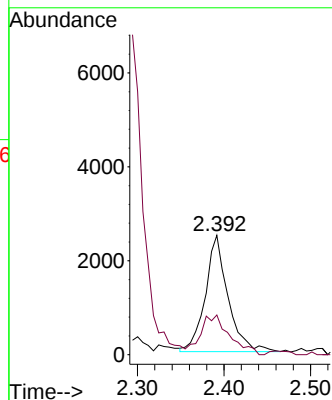
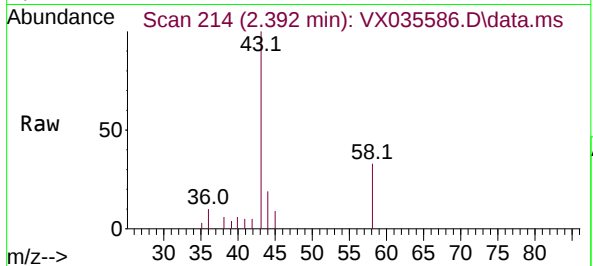




#16
Acetone
Concen: 2.715 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

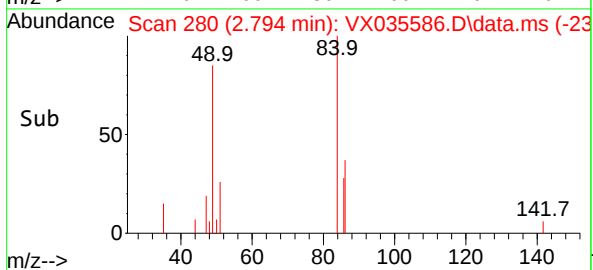
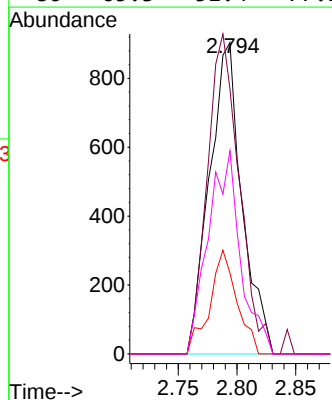
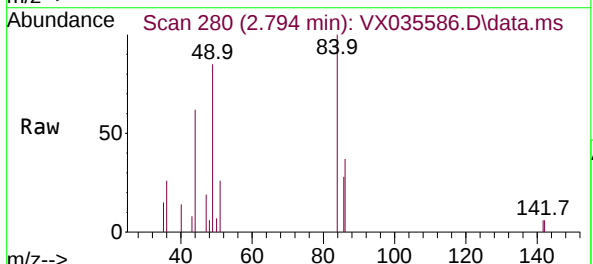
Instrument :
MSVOA_X
ClientSampleId :
507

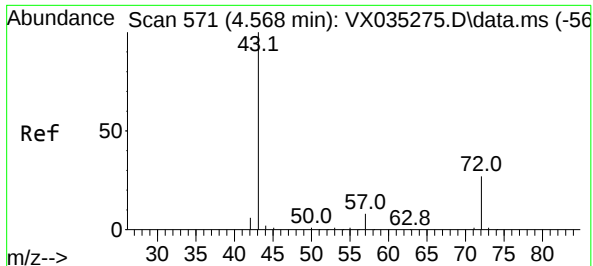
Tgt Ion: 43 Resp: 4511
Ion Ratio Lower Upper
43 100
58 31.3 24.7 37.1



#20
Methylene Chloride
Concen: 0.458 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

Tgt Ion: 84 Resp: 1743
Ion Ratio Lower Upper
84 100
49 85.1 103.8 155.8#
51 26.0 31.8 47.8#
86 65.3 51.4 77.2





#25

2-Butanone

Concen: 0.428 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

Instrument :

MSVOA_X

ClientSampleId :

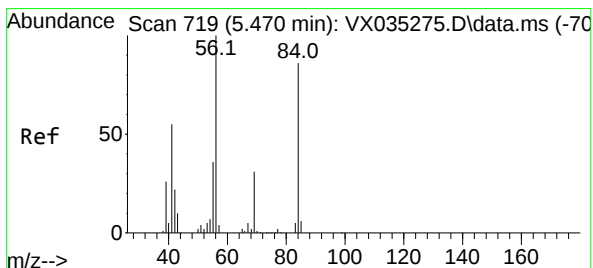
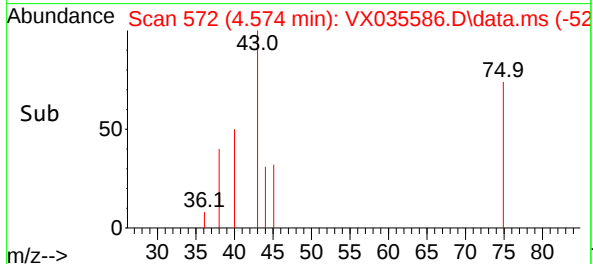
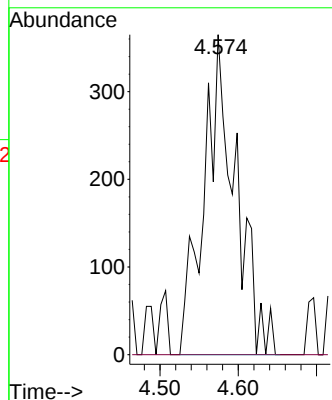
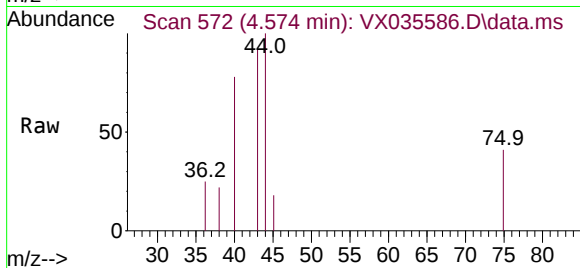
507

Tgt Ion: 43 Resp: 1037

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#31

Cyclohexane

Concen: 0.949 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

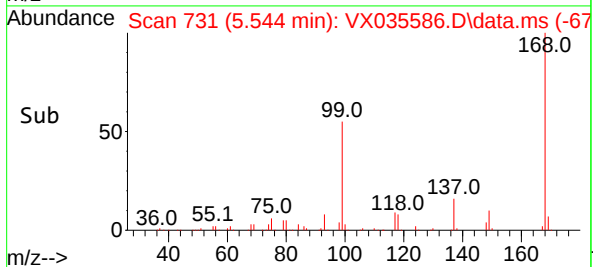
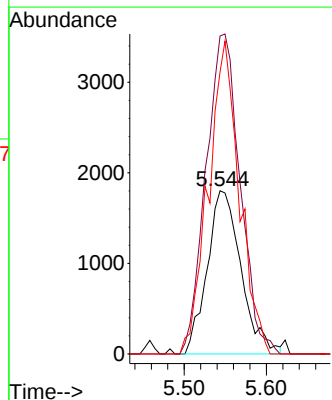
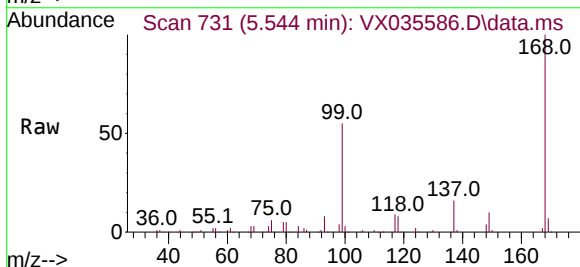
Tgt Ion: 56 Resp: 5152

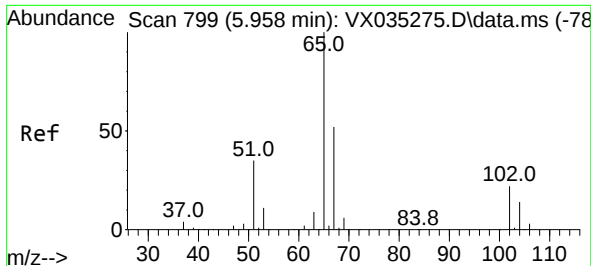
Ion Ratio Lower Upper

56 100

69 194.9 23.7 35.5#

84 172.8 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 41.916 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

Instrument :

MSVOA_X

ClientSampleId :

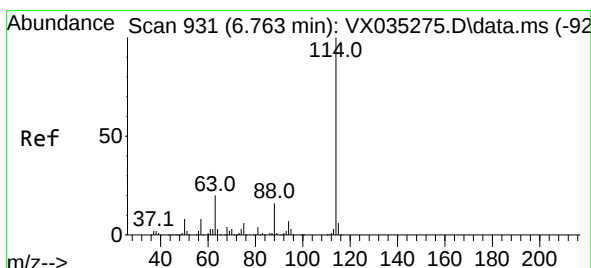
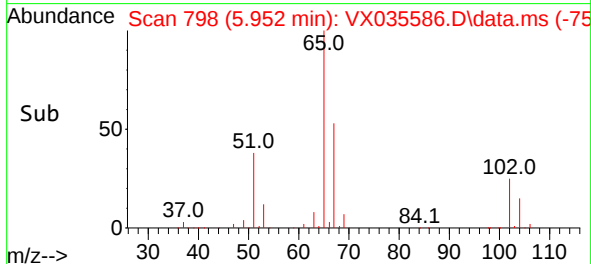
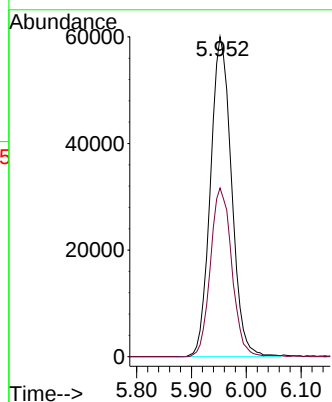
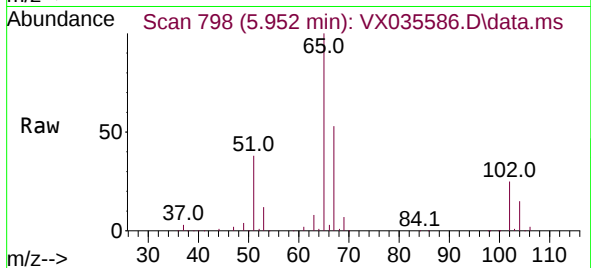
507

Tgt Ion: 65 Resp: 160336

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

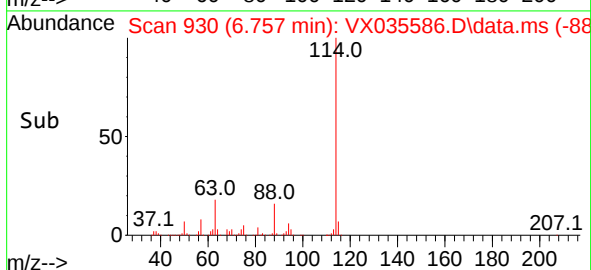
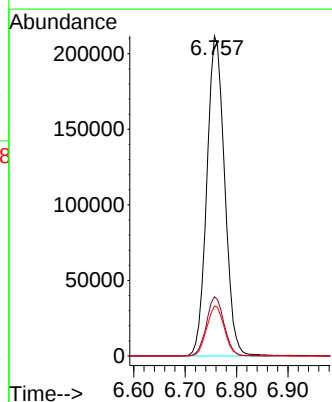
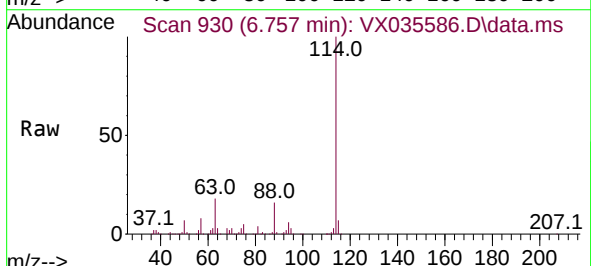
Tgt Ion: 114 Resp: 508271

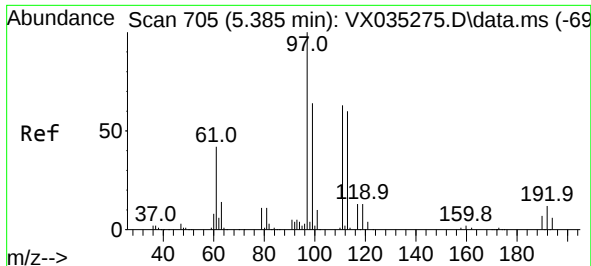
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.2

88 15.6 0.0 33.2

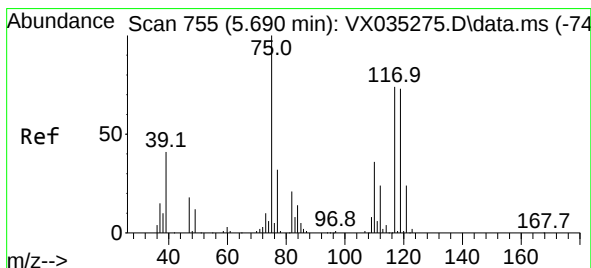
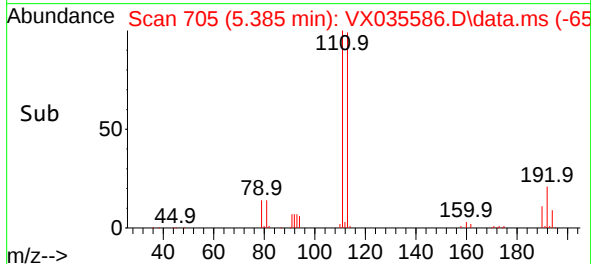
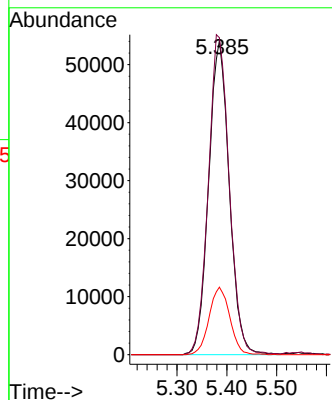
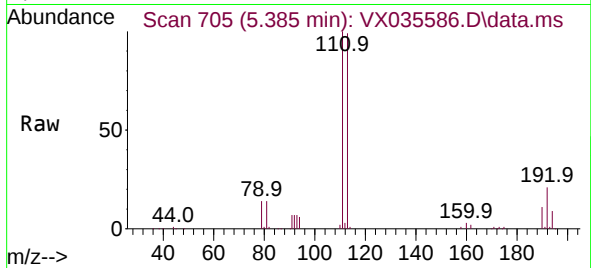




#35
Dibromofluoromethane
Concen: 49.778 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

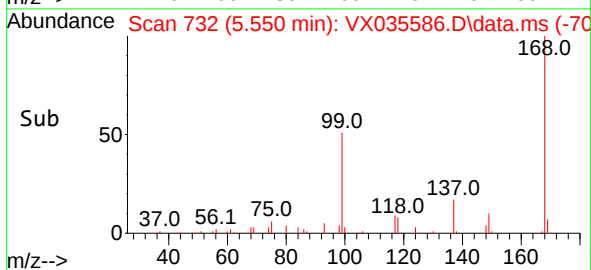
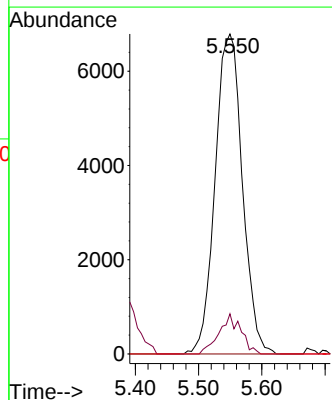
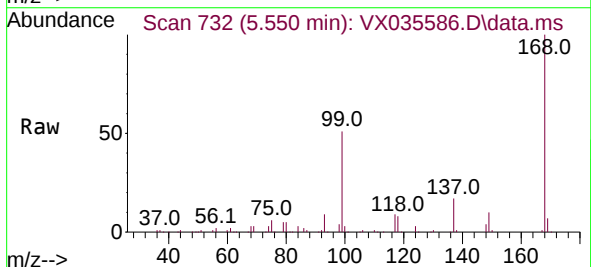
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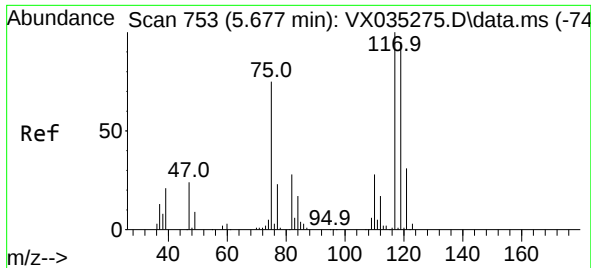
Tgt Ion:113 Resp: 155288
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 21.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.170 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

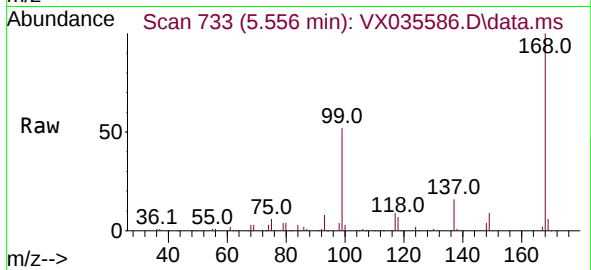
Tgt Ion: 75 Resp: 20315
Ion Ratio Lower Upper
75 100
110 10.1 17.5 52.5#
77 0.0 24.3 36.5#



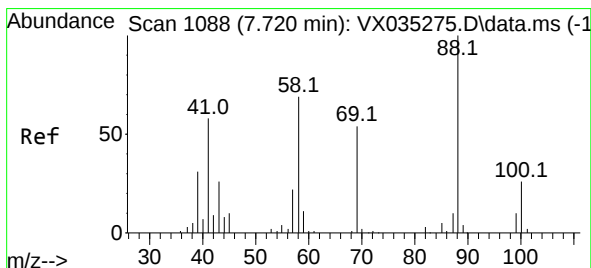
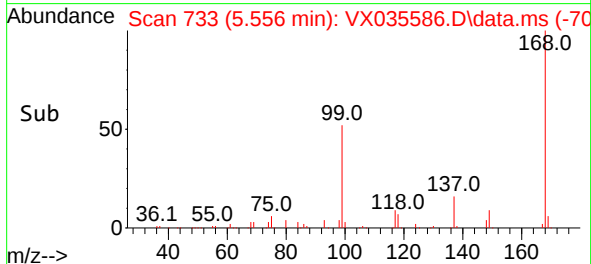
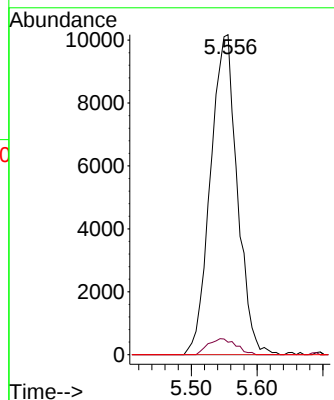


#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

Instrument :
MSVOA_X
ClientSampleId :
507

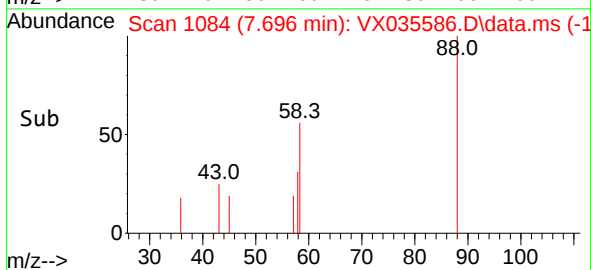
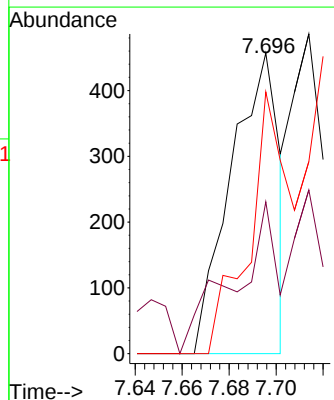
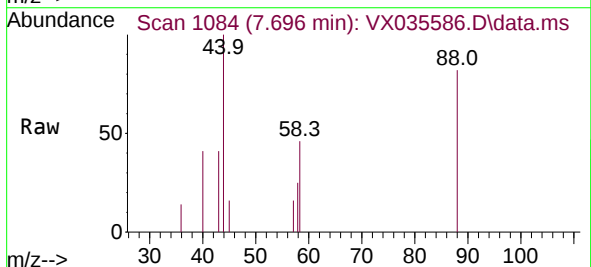


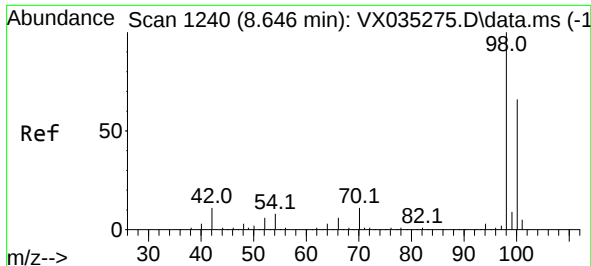
Tgt Ion:117 Resp: 28885
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#



#49
1,4-Dioxane
Concen: 7.339 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.024 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

Tgt Ion: 88 Resp: 656
Ion Ratio Lower Upper
88 100
43 44.4 27.7 41.5#
58 71.5 56.8 85.2

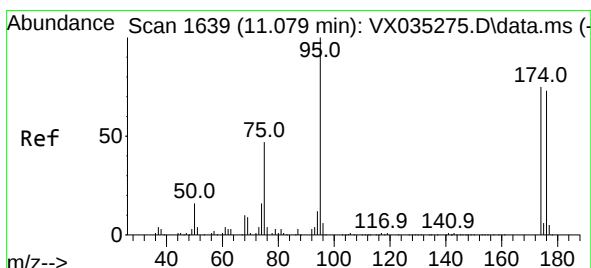
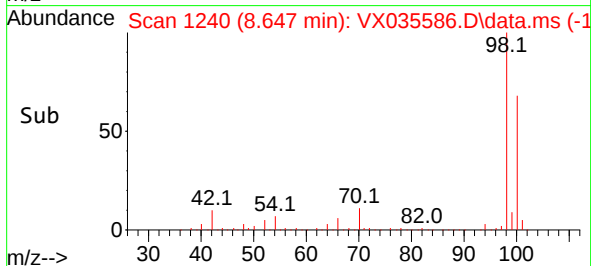
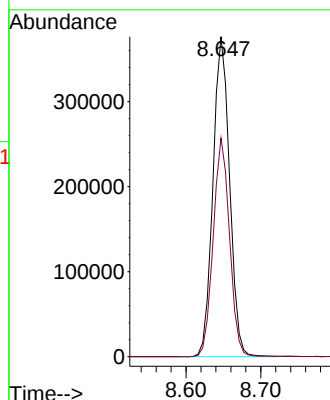
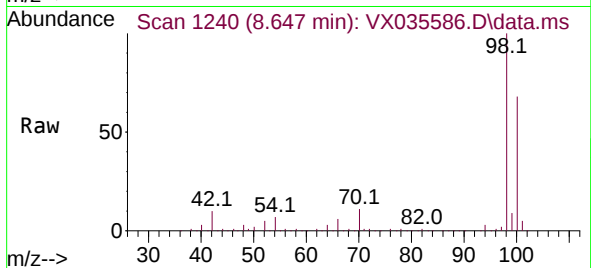




#50
Toluene-d8
Concen: 49.451 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

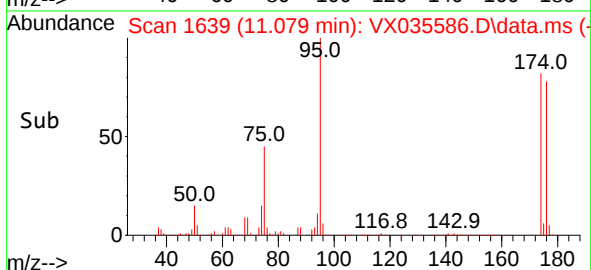
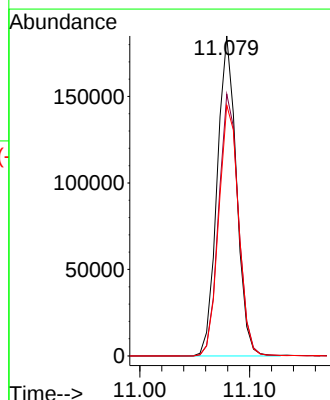
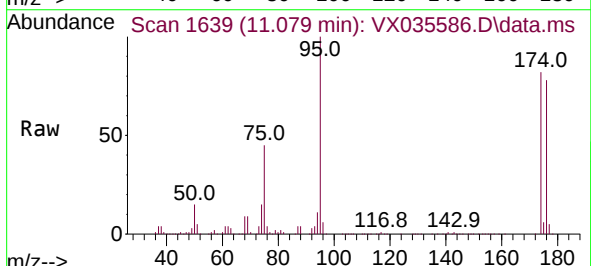
Instrument :
MSVOA_X
ClientSampleId :
507

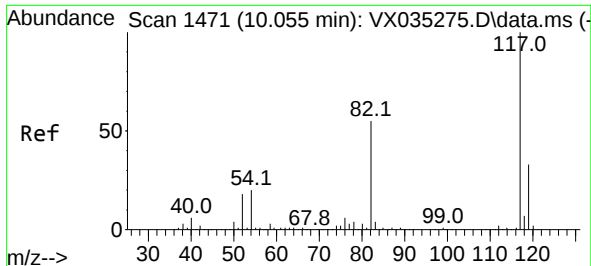
Tgt Ion: 98 Resp: 581951
Ion Ratio Lower Upper
98 100
100 67.0 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 51.194 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

Tgt Ion: 95 Resp: 226634
Ion Ratio Lower Upper
95 100
174 83.6 0.0 147.4
176 80.8 0.0 140.6

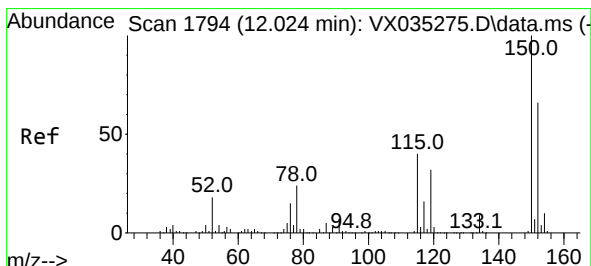
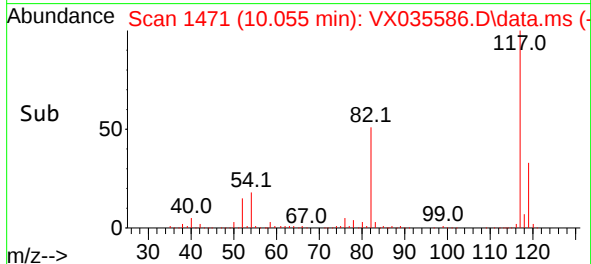
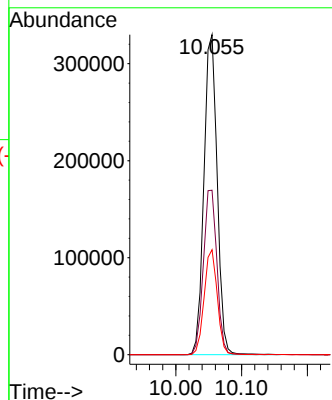
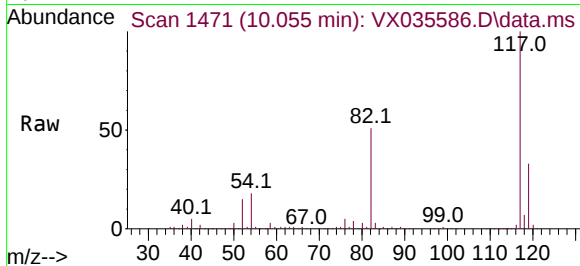




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

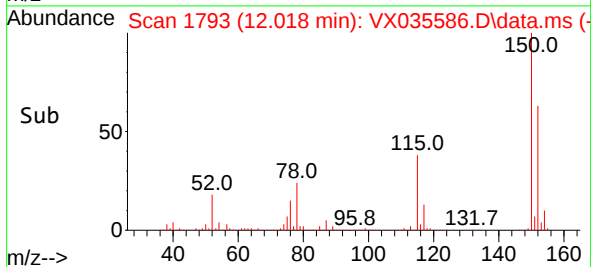
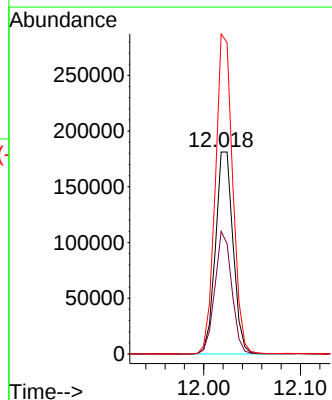
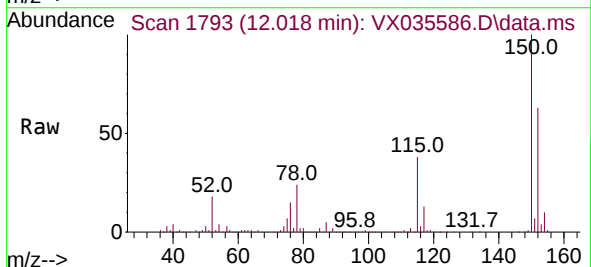
Instrument :
MSVOA_X
ClientSampleId :
507

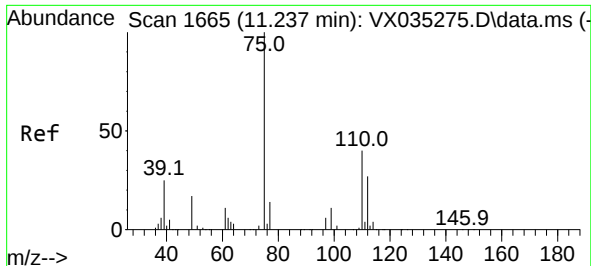
Tgt Ion:117 Resp: 461957
Ion Ratio Lower Upper
117 100
82 51.4 45.0 67.4
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

Tgt Ion:152 Resp: 228892
Ion Ratio Lower Upper
152 100
115 58.2 45.0 135.0
150 156.5 0.0 352.4

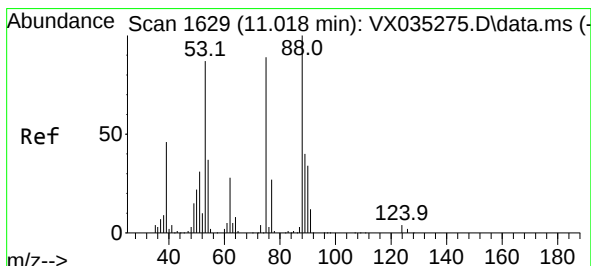
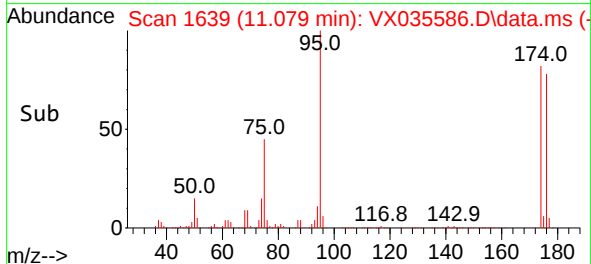
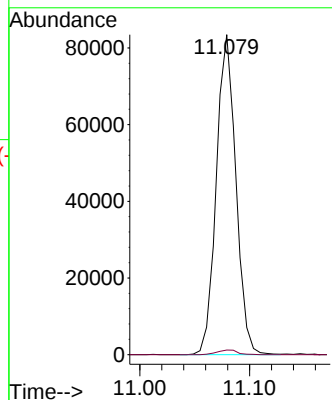
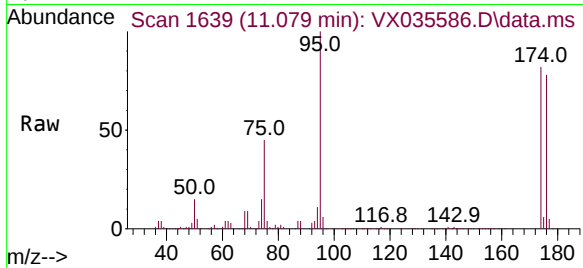




#76
1,2,3-Trichloropropane
Concen: 22.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

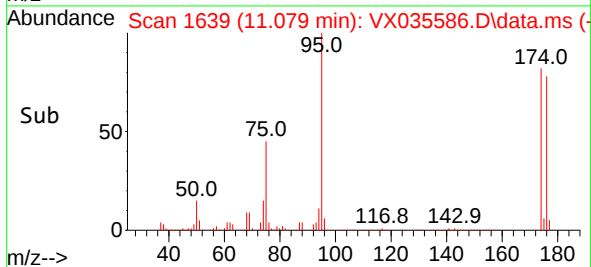
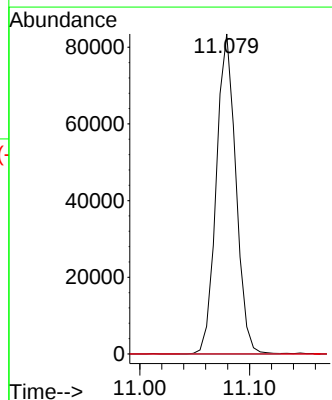
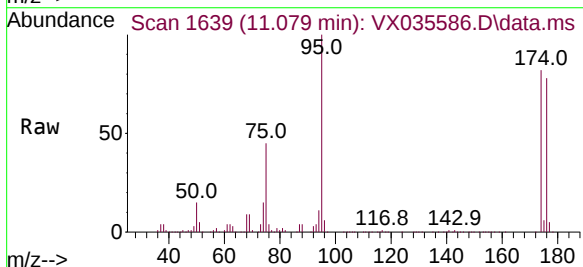
Instrument :
MSVOA_X
ClientSampleId :
507

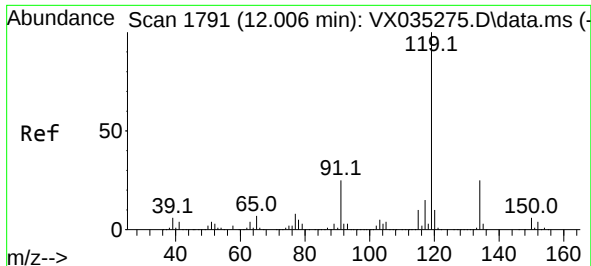
Tgt Ion: 75 Resp: 103525
Ion Ratio Lower Upper
75 100
77 1.5 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.436 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035586.D
Acq: 10 May 2023 15:14

Tgt Ion: 75 Resp: 103525
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#86

p-Isopropyltoluene

Concen: 0.357 ug/l

RT: 12.012 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

Instrument :

MSVOA_X

ClientSampleId :

507

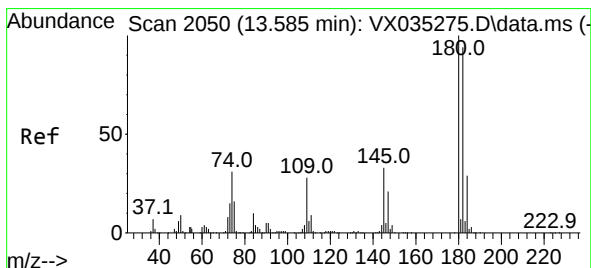
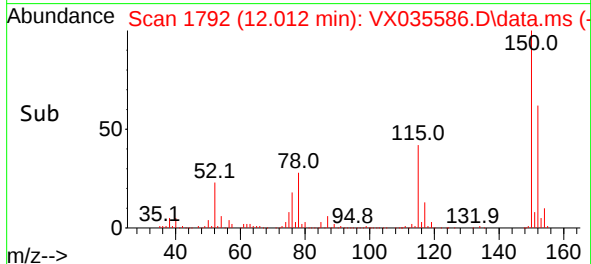
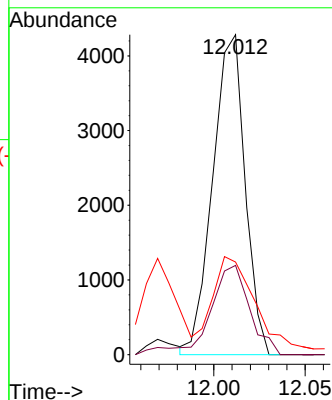
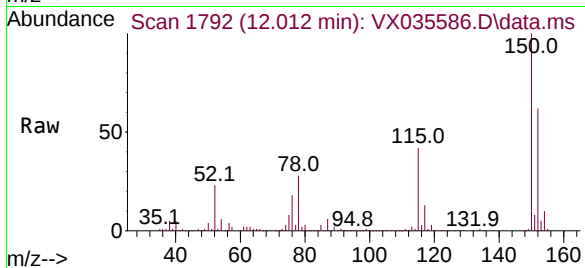
Tgt Ion:119 Resp: 5273

Ion Ratio Lower Upper

119 100

134 34.3 13.2 39.5

91 43.1 12.9 38.7#



#93

1,2,4-Trichlorobenzene

Concen: 0.305 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

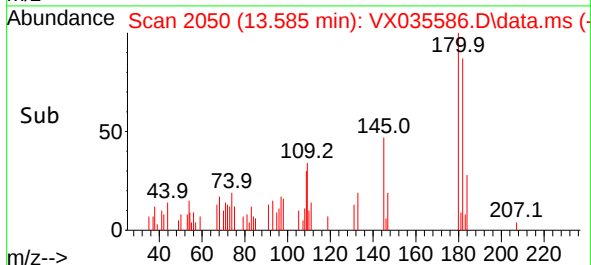
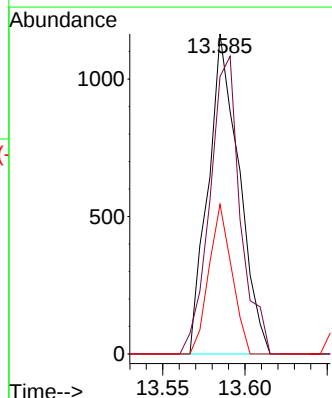
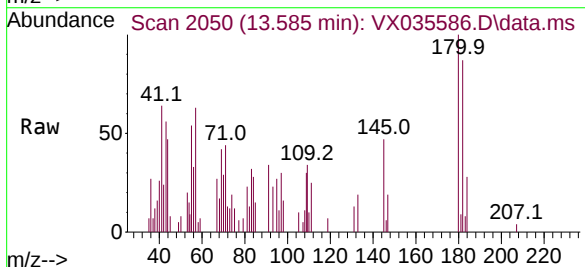
Tgt Ion:180 Resp: 1516

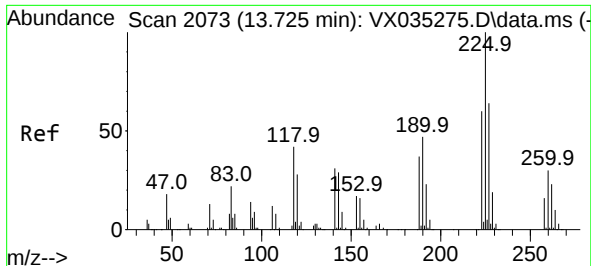
Ion Ratio Lower Upper

180 100

182 91.8 47.0 141.0

145 34.7 15.9 47.7





#94

Hexachlorobutadiene

Concen: 0.661 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

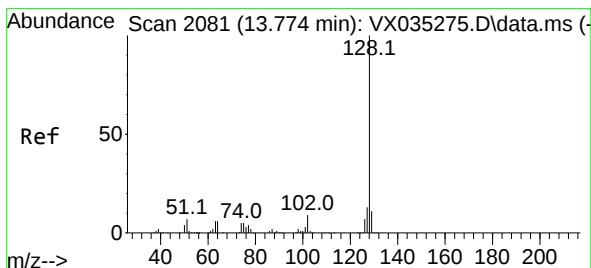
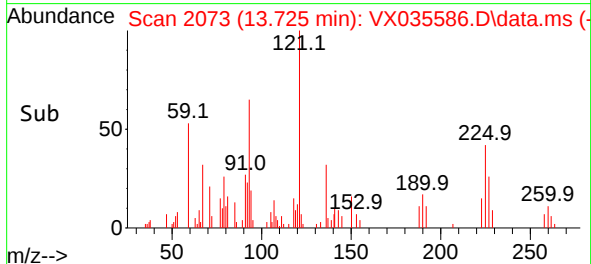
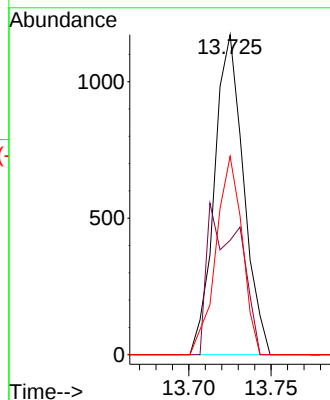
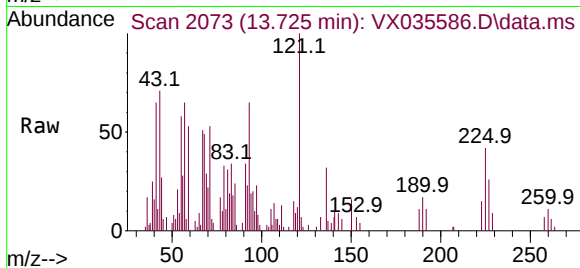
Instrument :

MSVOA_X

ClientSampleId :

507

Tgt Ion:	225	Resp:	1442
Ion Ratio	Lower	Upper	
225	100		
223	51.7	32.1	96.5
227	55.8	31.8	95.4



#95

Naphthalene

Concen: 0.253 ug/l

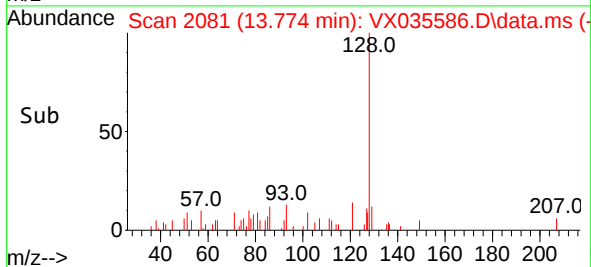
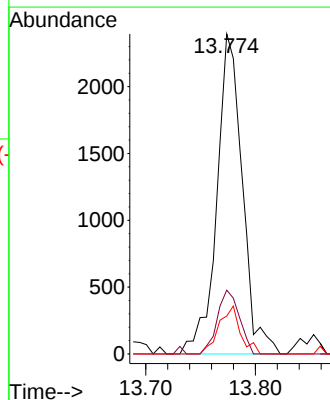
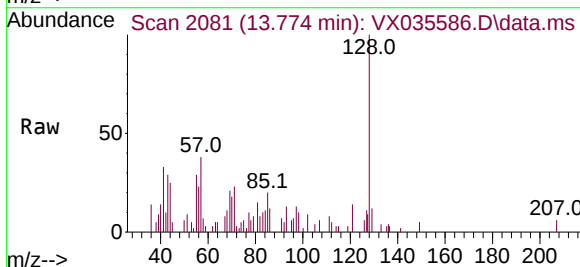
RT: 13.774 min Scan# 2081

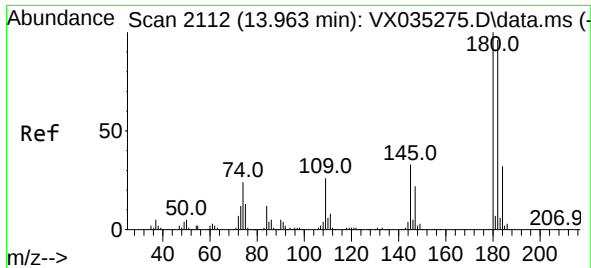
Delta R.T. -0.000 min

Lab File: VX035586.D

Acq: 10 May 2023 15:14

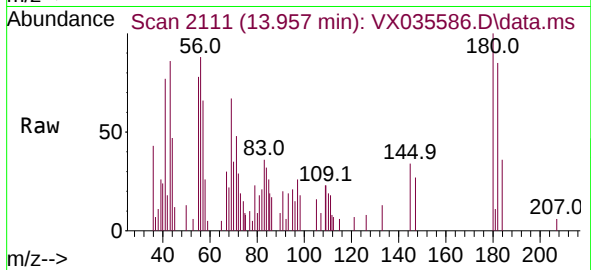
Tgt Ion:	128	Resp:	3875
Ion Ratio	Lower	Upper	
128	100		
127	17.2	10.2	15.4#
129	12.5	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.292 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. -0.006 min
 Lab File: VX035586.D
 Acq: 10 May 2023 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 507



Tgt Ion:	180	Resp:	1462
Ion	Ratio	Lower	Upper
180	100		
182	104.7	48.0	144.2
145	45.3	17.7	53.1

