

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041568.D
 Acq On : 16 May 2024 17:01
 Operator : JC/MD
 Sample : P2507-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:41:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

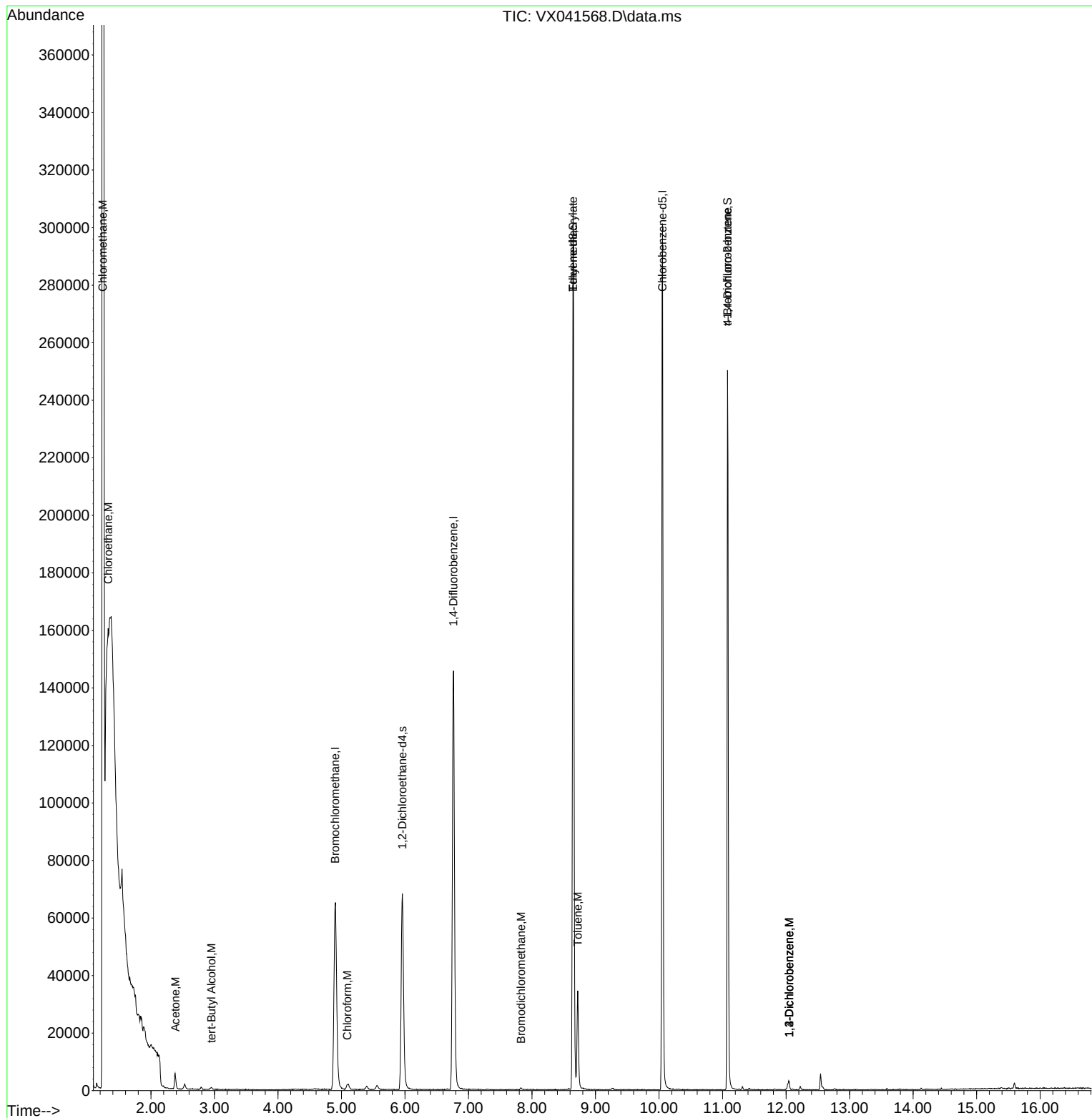
Internal Standards						
1) Bromochloromethane	4.898	128	29952	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	151808	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144146	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	66886	28.357	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.533%
60) 4-Bromofluorobenzene	11.079	95	61472	27.318	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.067%
63) Toluene-d8	8.647	98	181837	29.428	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	75626	44.083	ug/l #	43
6) Chloroethane	1.325	64	125842	137.806	ug/l #	48
15) Acetone	2.386	58	1696	6.238	ug/l #	66
23) tert-Butyl Alcohol	2.953	59	645	1.498	ug/l #	100
25) Chloroform	5.093	83	1171	0.343	ug/l	87
41) Bromodichloromethane	7.830	83	460	0.208	ug/l #	67
51) Ethyl methacrylate	8.647	69	637	0.241	ug/l	81
62) Toluene	8.720	91	23056	3.215	ug/l	99
77) t-1,4-Dichloro-2-butene	11.079	75	31515	40.855	ug/l #	1
83) 1,3-Dichlorobenzene	12.049	146	1244	0.298	ug/l	98
84) 1,4-Dichlorobenzene	12.049	146	1244	0.295	ug/l	97
87) 1,2-Dichlorobenzene	12.049	146	1244	0.292	ug/l	96

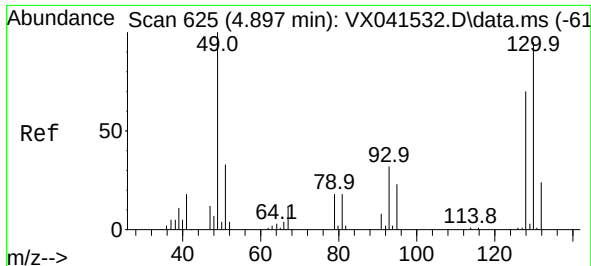
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

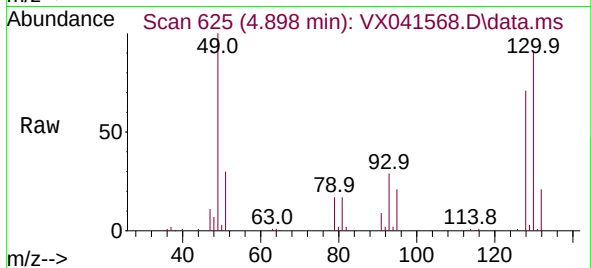
Quant Time: May 17 02:41:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



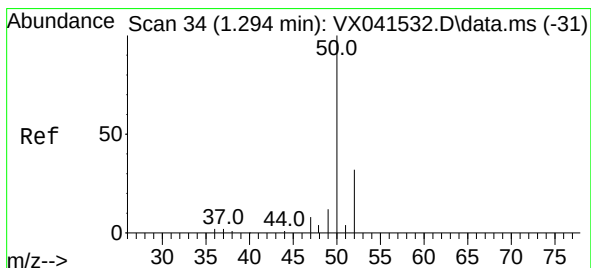
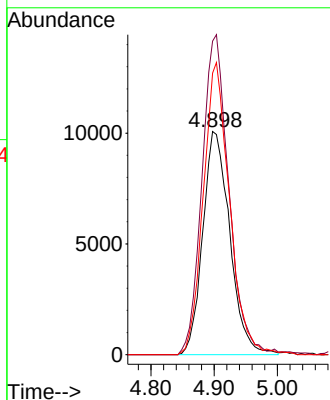
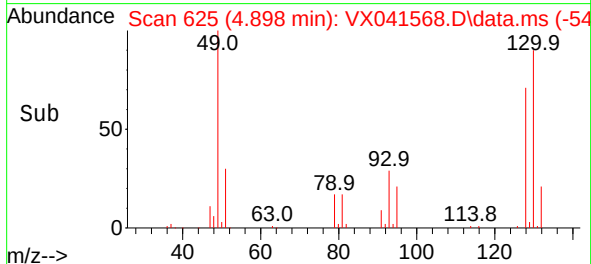


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

Instrument :
MSVOA_X
ClientSampleId :

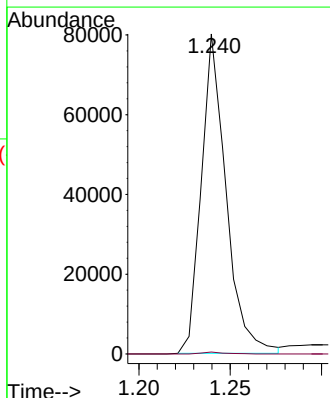
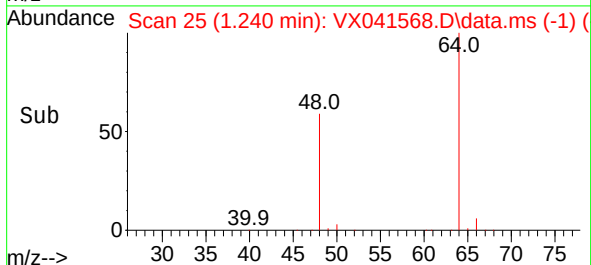
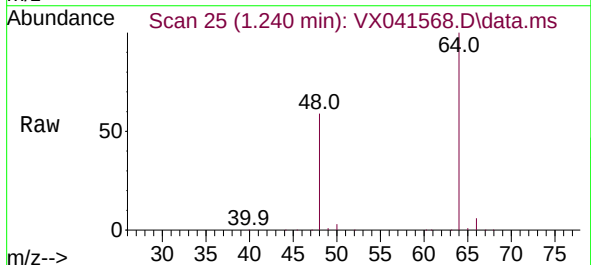


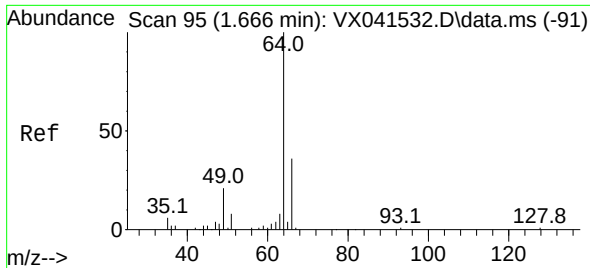
Tgt Ion:128 Resp: 29952
Ion Ratio Lower Upper
128 100
49 141.6 0.0 361.5
130 125.9 0.0 324.3



#3
Chloromethane
Concen: 44.083 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.055 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

Tgt Ion: 50 Resp: 75626
Ion Ratio Lower Upper
50 100
52 0.6 25.8 38.8#

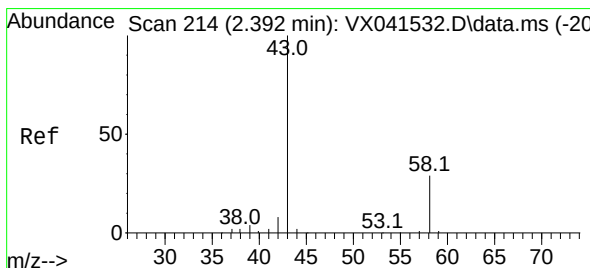
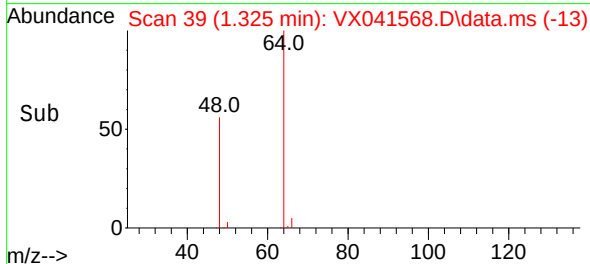
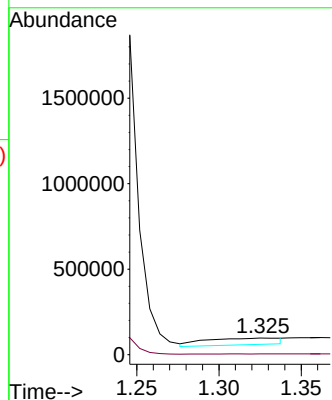
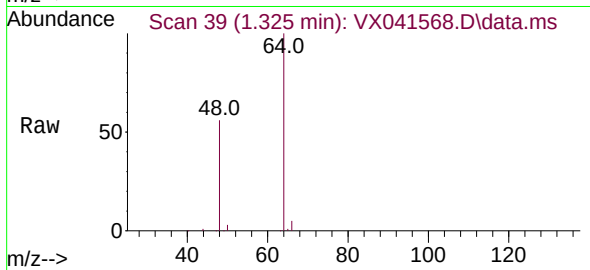




#6
Chloroethane
Concen: 137.806 ug/l
RT: 1.325 min Scan# 39
Delta R.T. -0.341 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

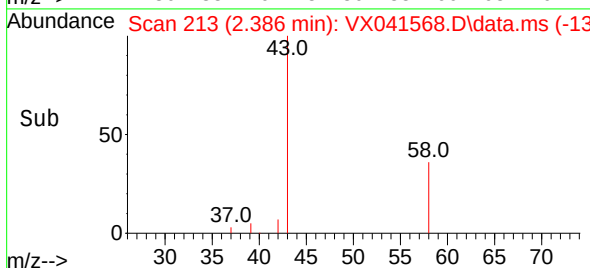
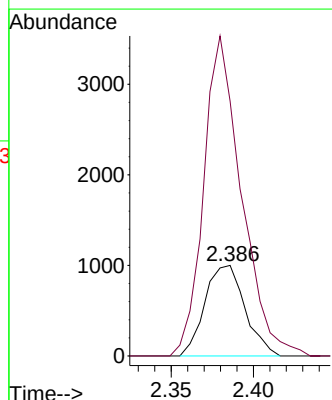
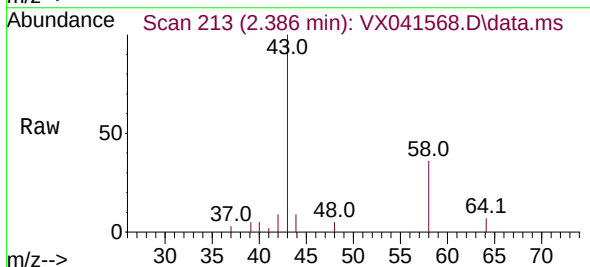
Instrument :
MSVOA_X
ClientSampleId :

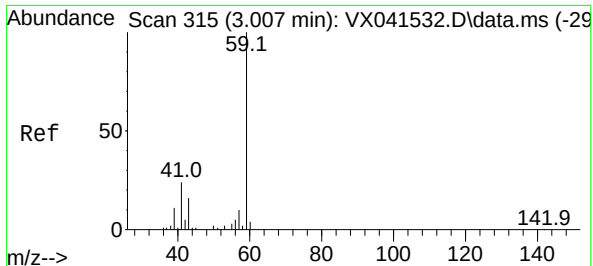
Tgt Ion: 64 Resp: 125842
Ion Ratio Lower Upper
64 100
66 5.4 28.6 42.8#



#15
Acetone
Concen: 6.238 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

Tgt Ion: 58 Resp: 1696
Ion Ratio Lower Upper
58 100
43 269.2 274.0 411.0#





#23

tert-Butyl Alcohol

Concen: 1.498 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.055 min

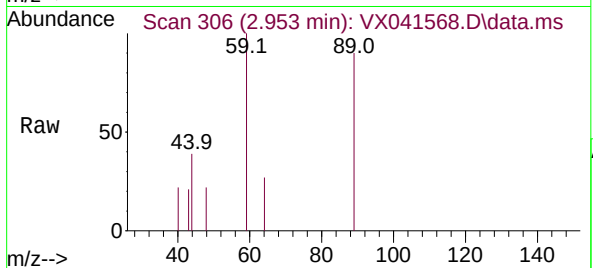
Lab File: VX041568.D

Acq: 16 May 2024 17:01

Instrument :

MSVOA_X

ClientSampleId :

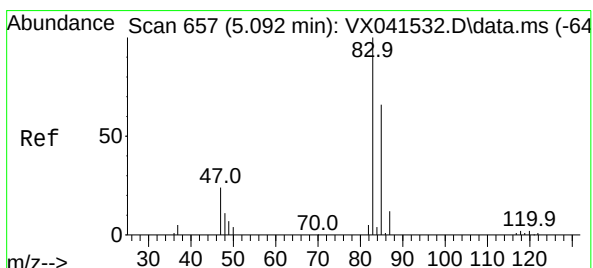
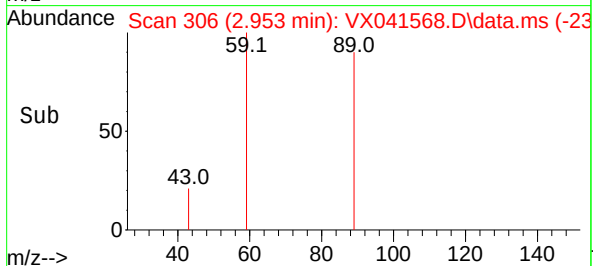
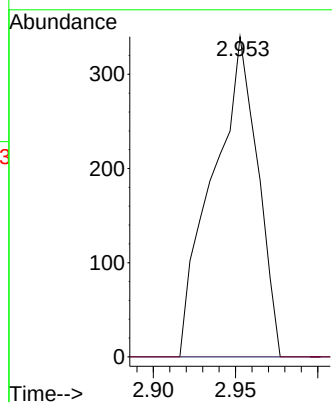


Tgt Ion: 59 Resp: 645

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.343 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041568.D

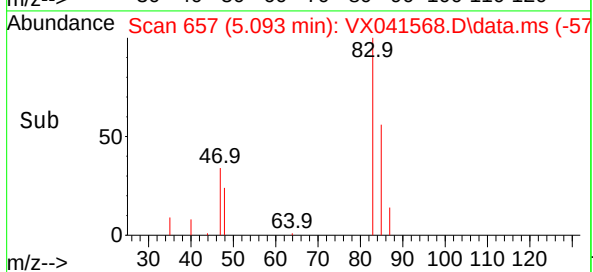
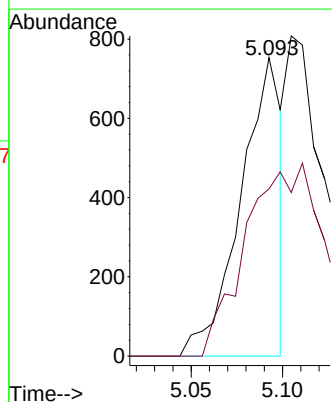
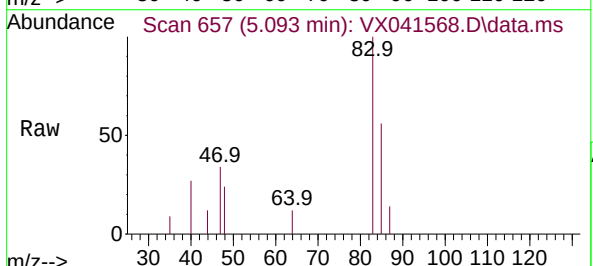
Acq: 16 May 2024 17:01

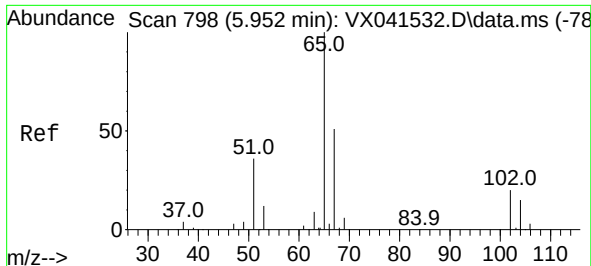
Tgt Ion: 83 Resp: 1171

Ion Ratio Lower Upper

83 100

85 56.0 52.9 79.3

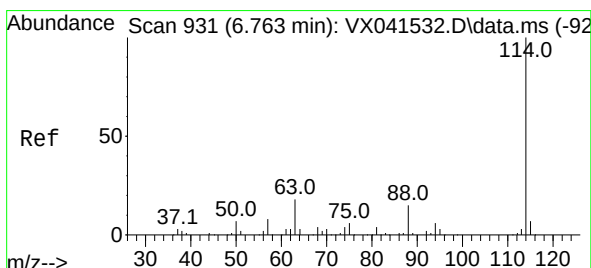
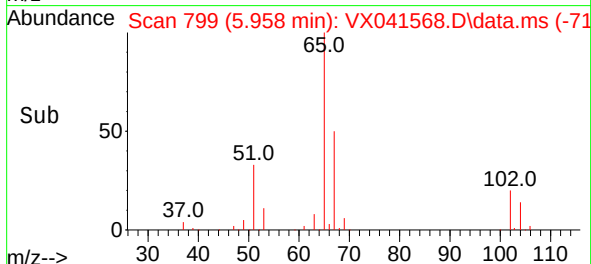
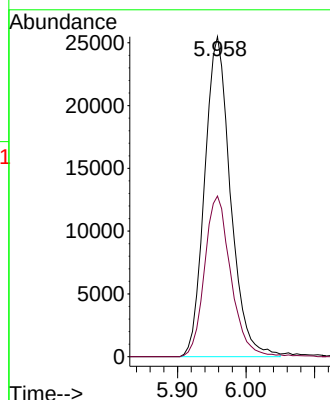
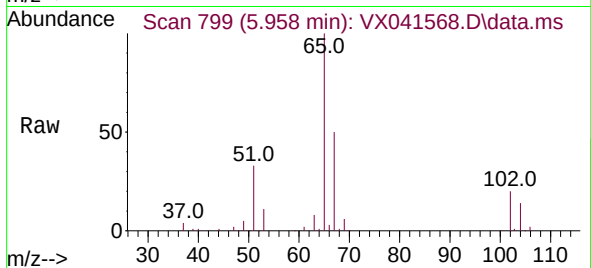




#27
1,2-Dichloroethane-d4
Concen: 28.357 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

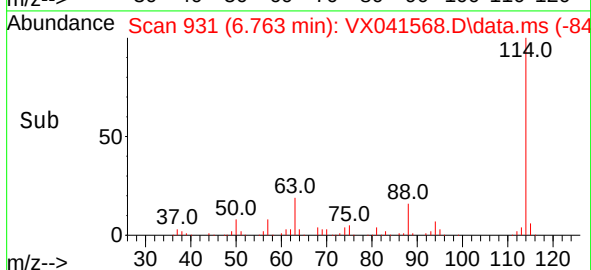
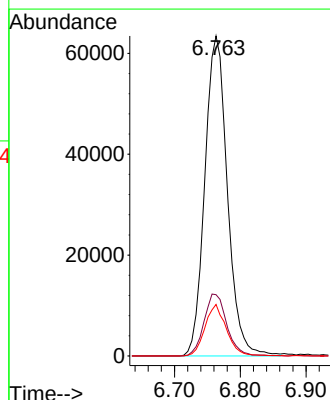
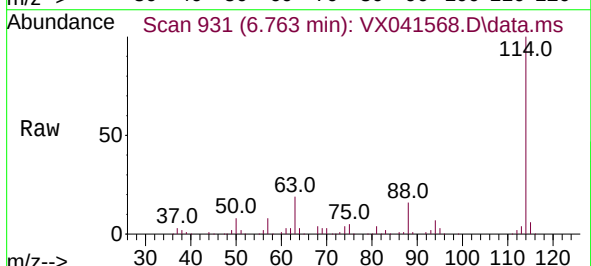
Instrument :
MSVOA_X
ClientSampleId :

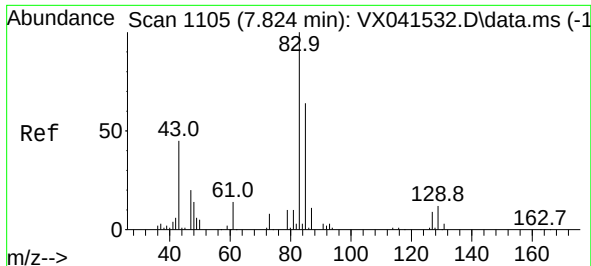
Tgt Ion: 65 Resp: 66886
Ion Ratio Lower Upper
65 100
67 51.0 40.8 61.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

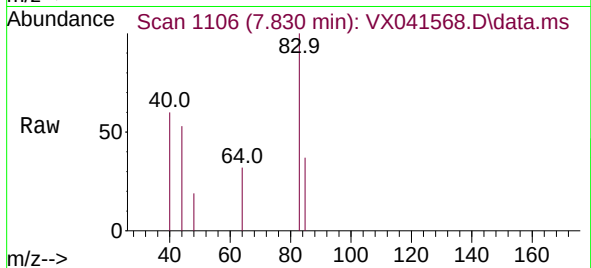
Tgt Ion:114 Resp: 151808
Ion Ratio Lower Upper
114 100
63 19.4 15.4 23.0
88 15.2 12.2 18.2



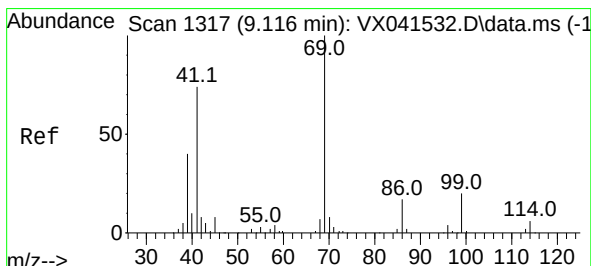
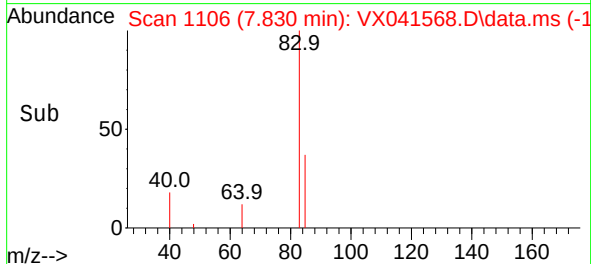
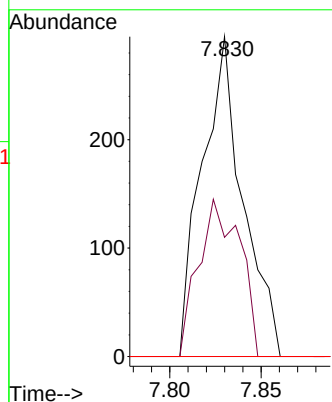


#41
Bromodichloromethane
Concen: 0.208 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

Instrument :
MSVOA_X
ClientSampleId :

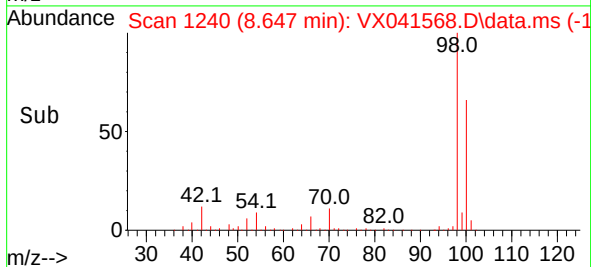
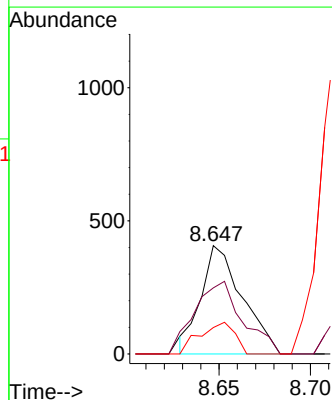
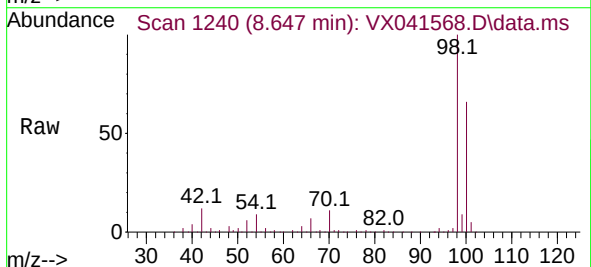


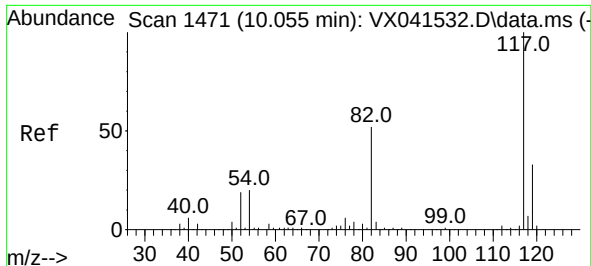
Tgt Ion: 83 Resp: 460
Ion Ratio Lower Upper
83 100
85 37.3 51.0 76.4#
127 0.0 7.1 10.7#



#51
Ethyl methacrylate
Concen: 0.241 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.469 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

Tgt Ion: 69 Resp: 637
Ion Ratio Lower Upper
69 100
41 60.9 37.1 111.3
39 24.3 20.2 60.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041568.D

Acq: 16 May 2024 17:01

Instrument :

MSVOA_X

ClientSampleId :

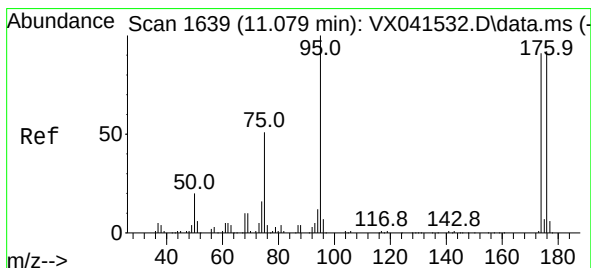
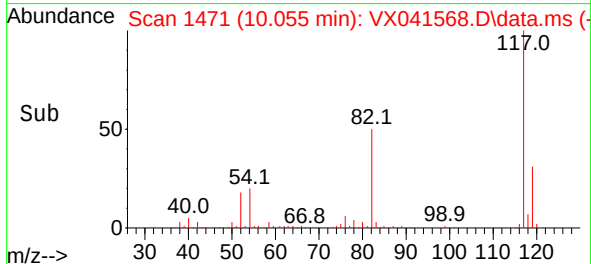
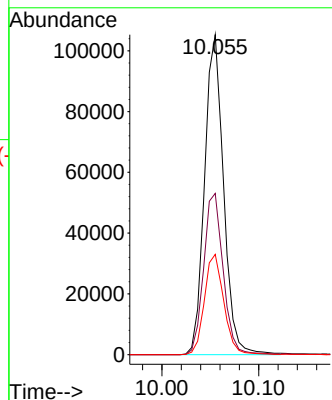
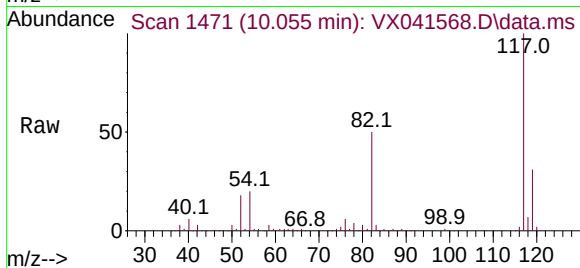
Tgt Ion:117 Resp: 144146

Ion Ratio Lower Upper

117 100

82 51.8 41.7 62.5

119 32.0 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 27.318 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041568.D

Acq: 16 May 2024 17:01

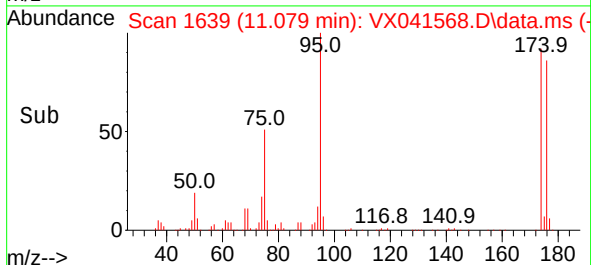
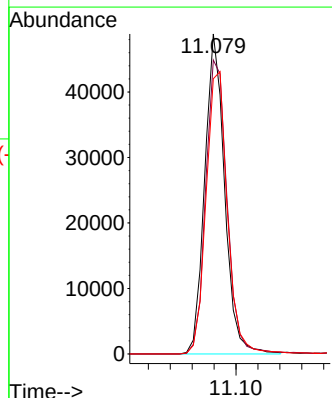
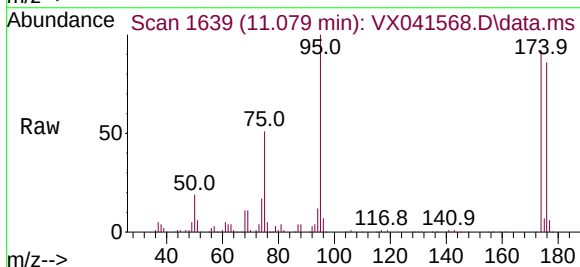
Tgt Ion: 95 Resp: 61472

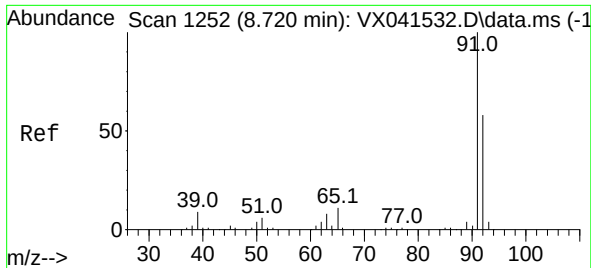
Ion Ratio Lower Upper

95 100

174 98.6 76.6 115.0

176 95.0 75.4 113.0





#62

Toluene

Concen: 3.215 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX041568.D

Acq: 16 May 2024 17:01

Instrument :

MSVOA_X

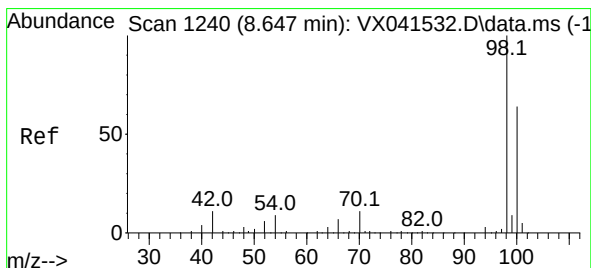
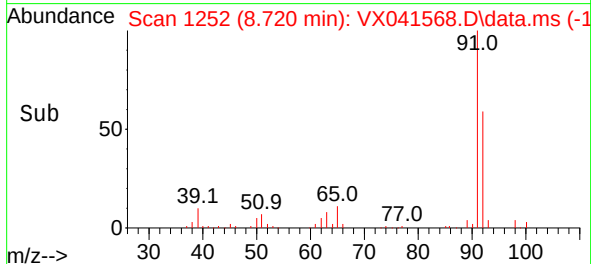
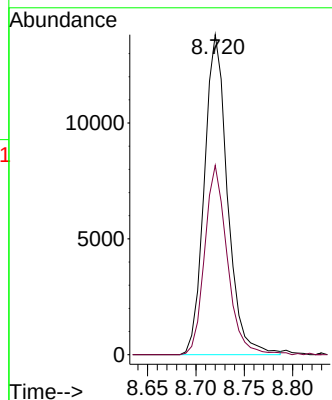
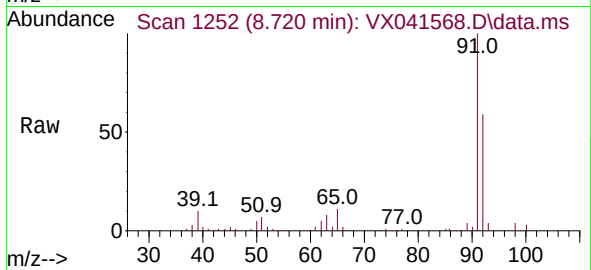
ClientSampleId :

Tgt Ion: 91 Resp: 23056

Ion Ratio Lower Upper

91 100

92 57.9 47.0 70.6



#63

Toluene-d8

Concen: 29.428 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041568.D

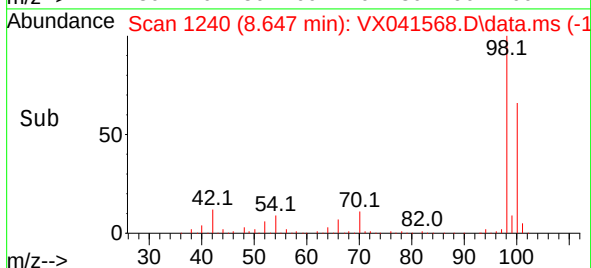
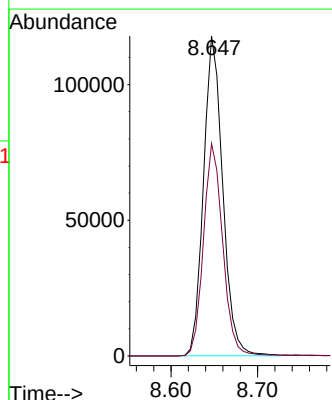
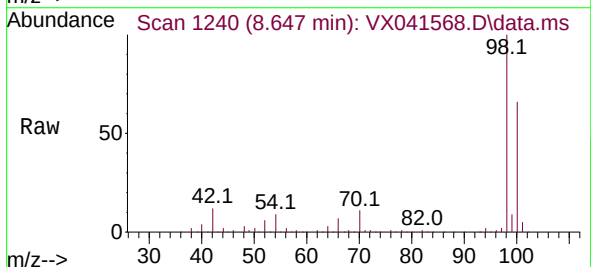
Acq: 16 May 2024 17:01

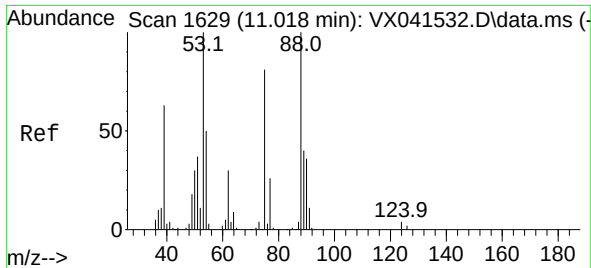
Tgt Ion: 98 Resp: 181837

Ion Ratio Lower Upper

98 100

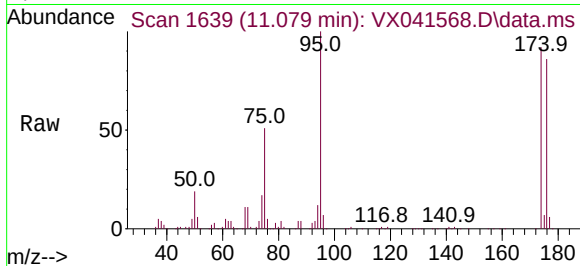
100 66.5 53.1 79.7



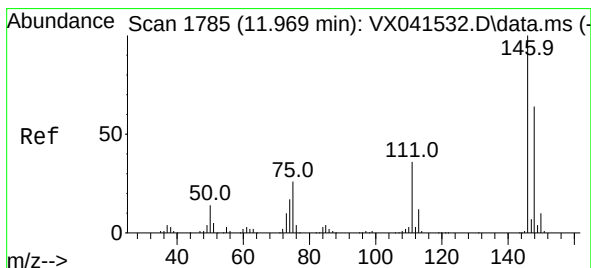
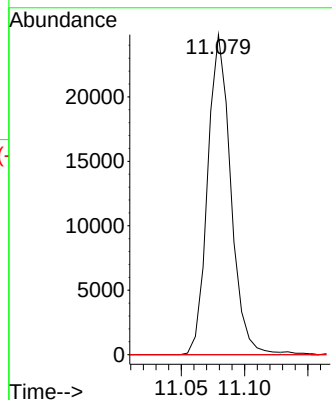
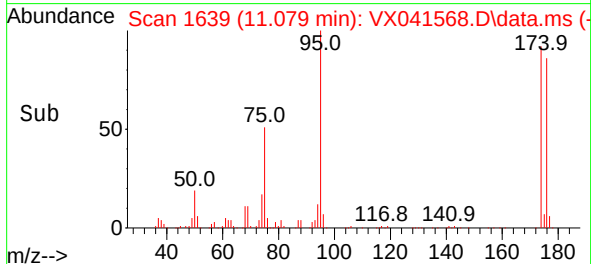


#77
t-1,4-Dichloro-2-butene
Concen: 40.855 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01

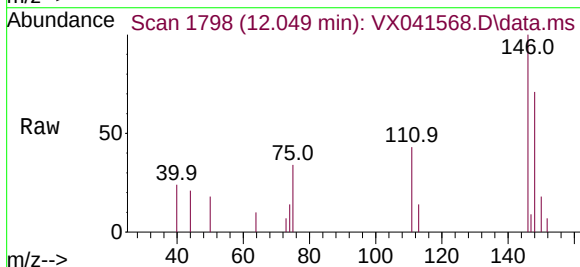
Instrument :
MSVOA_X
ClientSampleId :



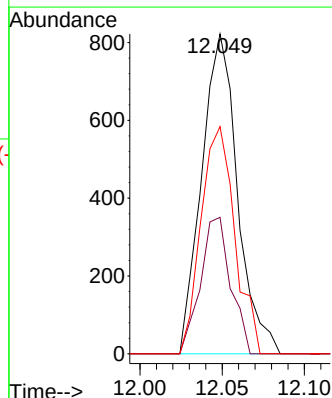
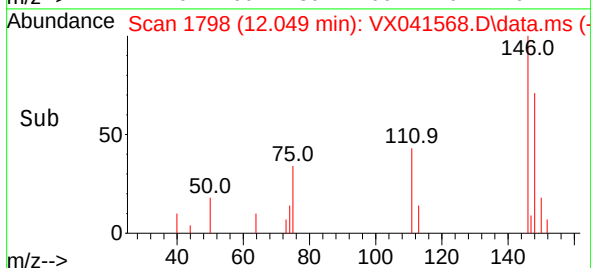
Tgt Ion: 75 Resp: 31515
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

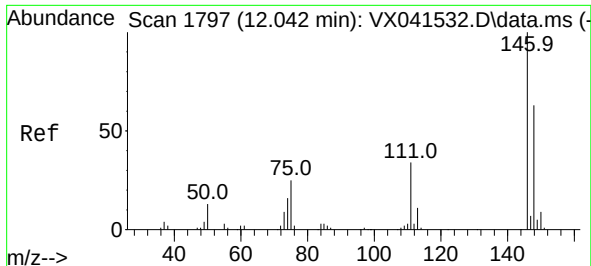


#83
1,3-Dichlorobenzene
Concen: 0.298 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. 0.079 min
Lab File: VX041568.D
Acq: 16 May 2024 17:01



Tgt Ion: 146 Resp: 1244
Ion Ratio Lower Upper
146 100
111 35.9 18.4 55.2
148 66.9 32.3 96.9





#84

1,4-Dichlorobenzene

Concen: 0.295 ug/l

RT: 12.049 min Scan# 1798

Delta R.T. 0.006 min

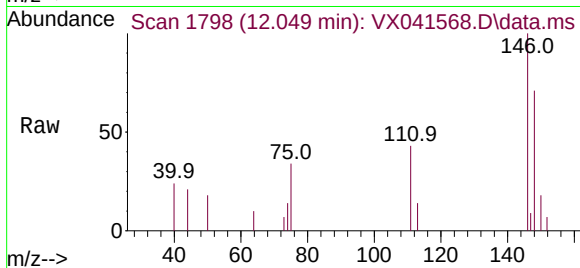
Lab File: VX041568.D

Acq: 16 May 2024 17:01

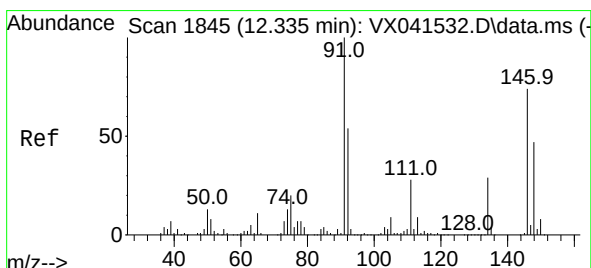
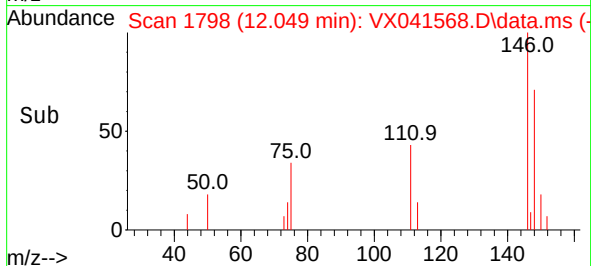
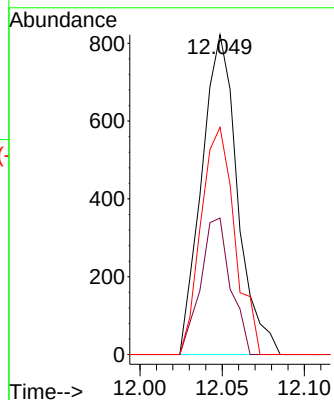
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	146	Resp:	1244
Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.8	53.5
148	66.9	31.9	95.5



#87

1,2-Dichlorobenzene

Concen: 0.292 ug/l

RT: 12.049 min Scan# 1798

Delta R.T. -0.286 min

Lab File: VX041568.D

Acq: 16 May 2024 17:01

Tgt Ion:	146	Resp:	1244
Ion	Ratio	Lower	Upper
146	100		
111	35.9	19.3	57.9
148	66.9	31.8	95.4

