

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041559.D
 Acq On : 16 May 2024 13:34
 Operator : JC/MD
 Sample : P2506-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240514074-02

Quant Time: May 17 02:39:03 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)

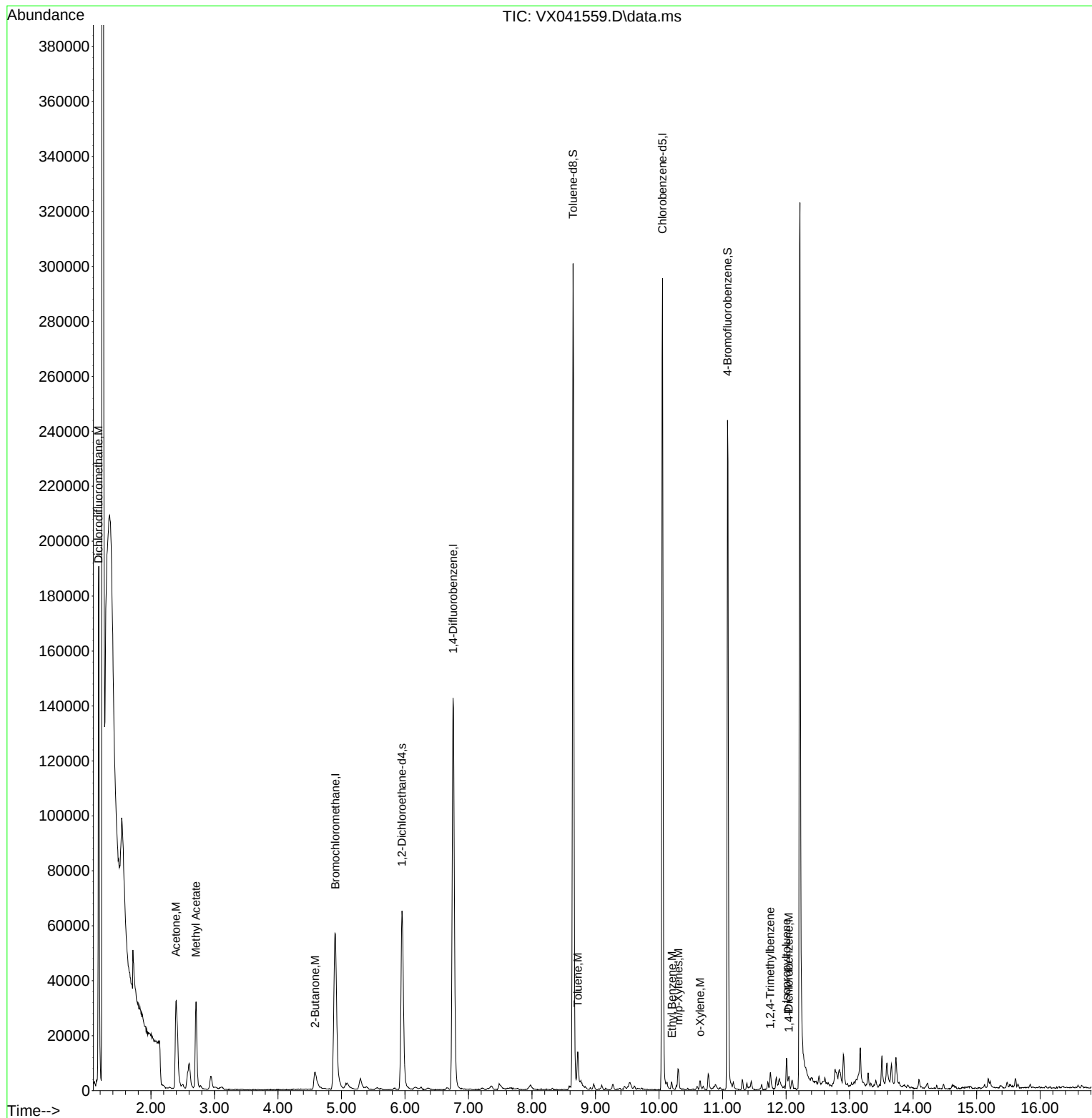
Internal Standards						
1) Bromochloromethane	4.904	128	28439	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	152912	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	140542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66048	29.492	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.300%
60) 4-Bromofluorobenzene	11.079	95	62078	28.295	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.300%
63) Toluene-d8	8.647	98	176807	29.348	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.833%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	6806	4.576	ug/l	98
12) Methyl Acetate	2.709	43	38333	17.493	ug/l	97
15) Acetone	2.392	58	11454	44.371	ug/l	99
30) 2-Butanone	4.587	43	14435	10.752	ug/l #	82
62) Toluene	8.720	91	9446	1.351	ug/l	98
66) Ethyl Benzene	10.201	91	1983	0.255	ug/l #	86
67) m/p-Xylenes	10.305	106	2265	0.746	ug/l	97
68) o-Xylene	10.646	106	849	0.278	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	3344	0.506	ug/l	97
82) p-Isopropyltoluene	12.006	119	4720	0.658	ug/l	96
84) 1,4-Dichlorobenzene	12.043	146	1914	0.465	ug/l	93

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041559.D
Acq On : 16 May 2024 13:34
Operator : JC/MD
Sample : P2506-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240514074-02

Quant Time: May 17 02:39:03 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

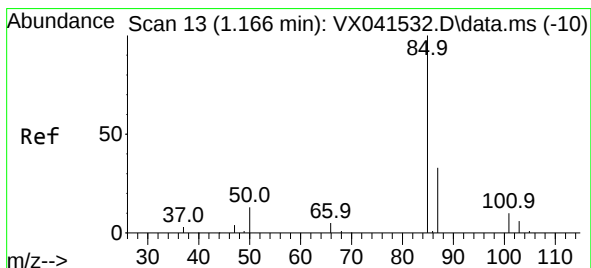
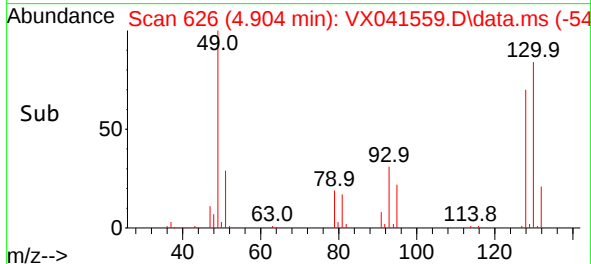
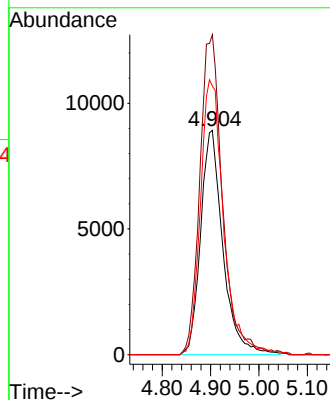
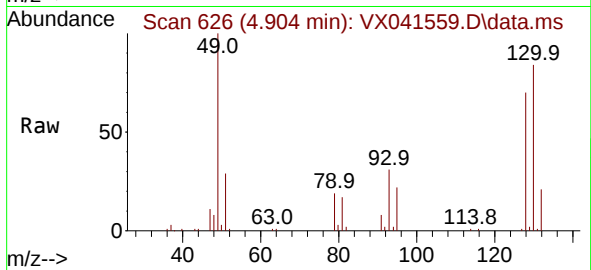




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

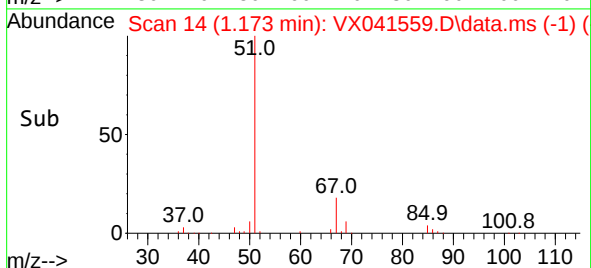
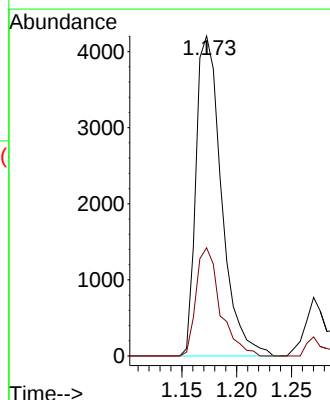
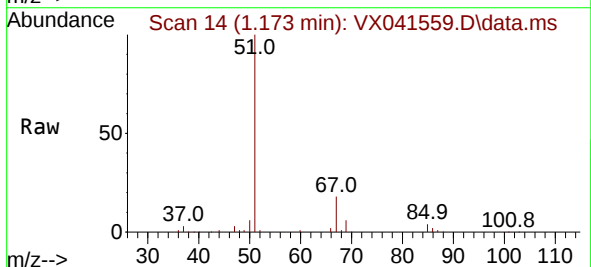
Instrument :
MSVOA_X
ClientSampleId :
240514074-02

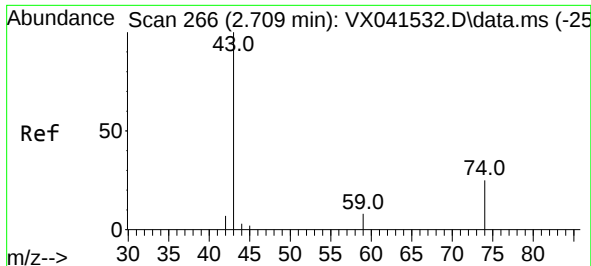
Tgt Ion:128 Resp: 28439
Ion Ratio Lower Upper
128 100
49 142.0 0.0 361.5
130 126.5 0.0 324.3



#2
Dichlorodifluoromethane
Concen: 4.576 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

Tgt Ion: 85 Resp: 6806
Ion Ratio Lower Upper
85 100
87 33.8 16.4 49.1

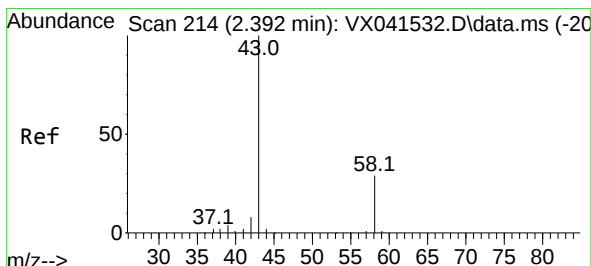
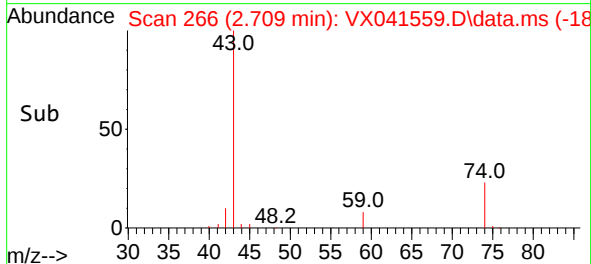
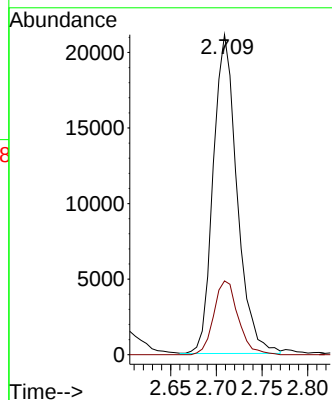
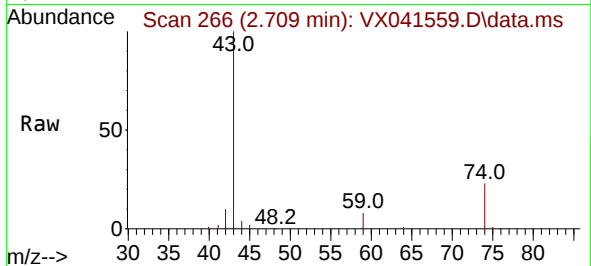




#12
Methyl Acetate
Concen: 17.493 ug/l
RT: 2.709 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

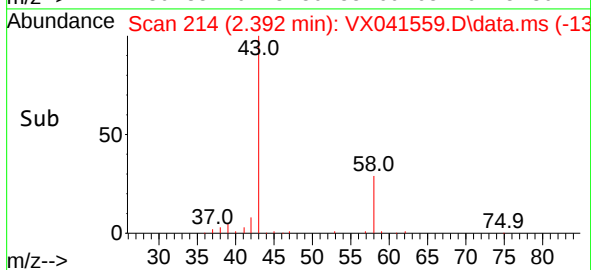
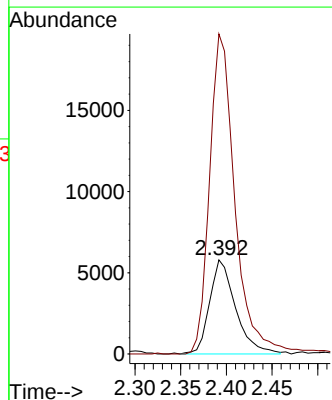
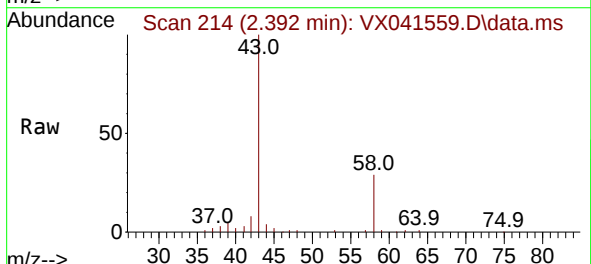
Instrument :
MSVOA_X
ClientSampleId :
240514074-02

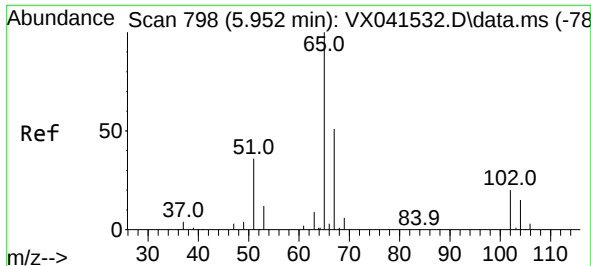
Tgt Ion: 43 Resp: 38333
Ion Ratio Lower Upper
43 100
74 23.3 19.9 29.9



#15
Acetone
Concen: 44.371 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

Tgt Ion: 58 Resp: 11454
Ion Ratio Lower Upper
58 100
43 340.3 274.0 411.0





#27

1,2-Dichloroethane-d4

Concen: 29.492 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041559.D

Acq: 16 May 2024 13:34

Instrument :

MSVOA_X

ClientSampleId :

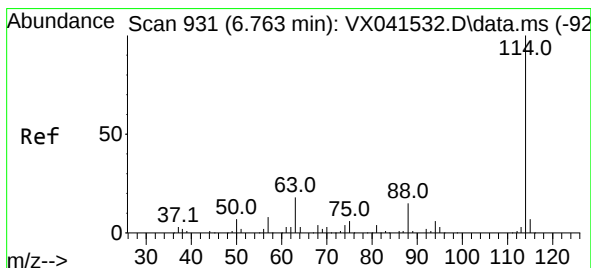
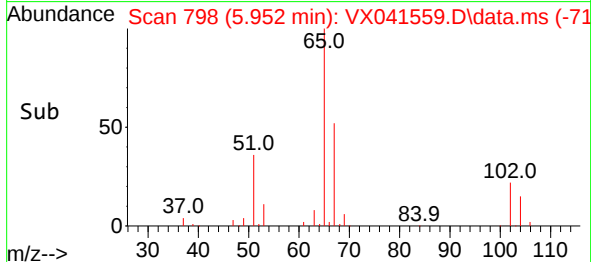
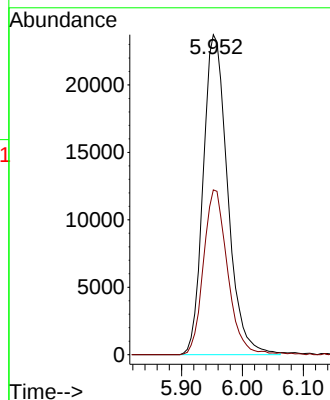
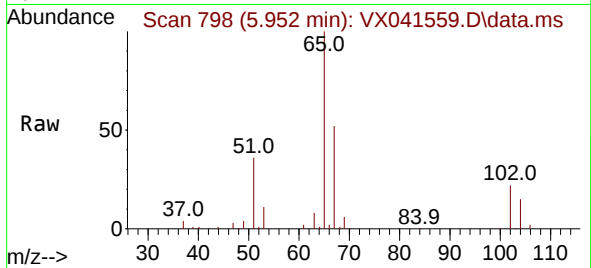
240514074-02

Tgt Ion: 65 Resp: 66048

Ion Ratio Lower Upper

65 100

67 50.3 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX041559.D

Acq: 16 May 2024 13:34

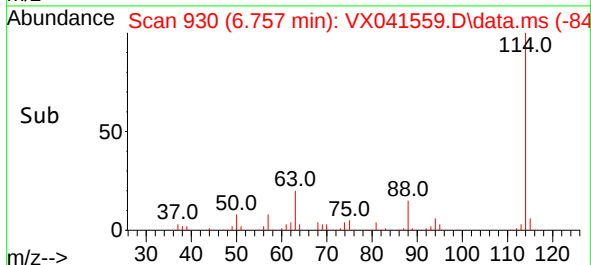
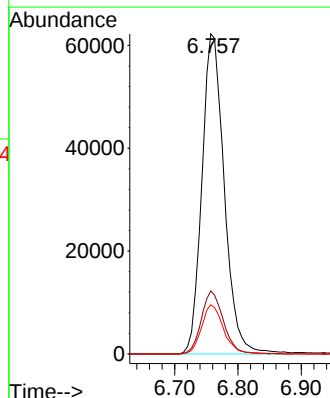
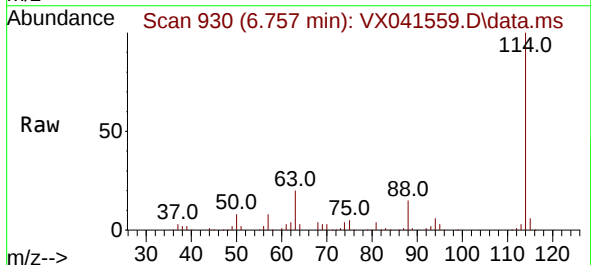
Tgt Ion: 114 Resp: 152912

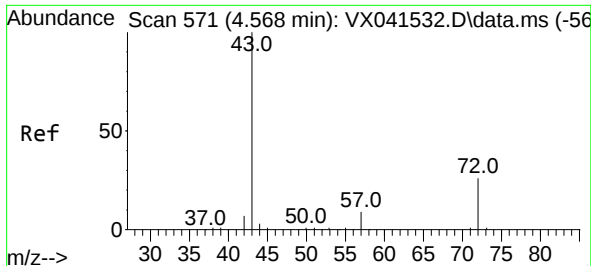
Ion Ratio Lower Upper

114 100

63 19.4 15.4 23.0

88 14.9 12.2 18.2

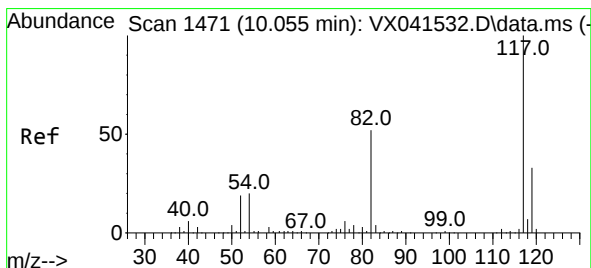
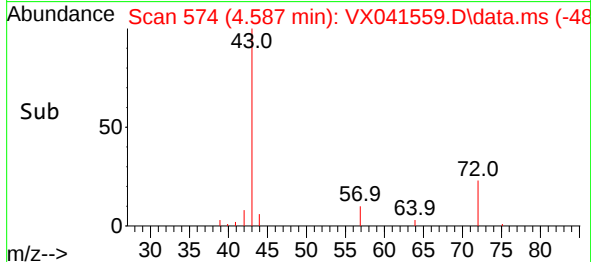
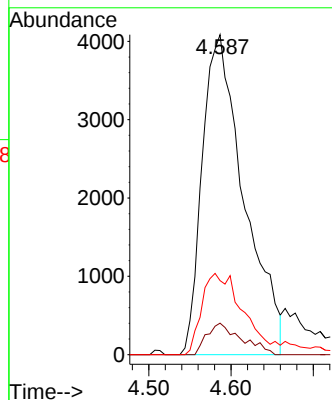
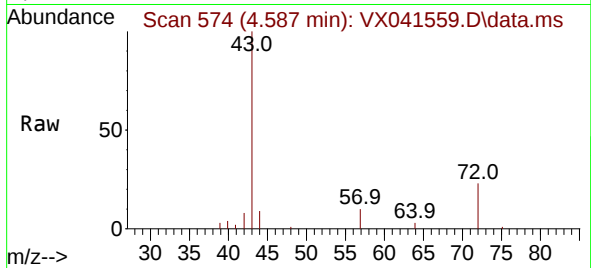




#30
2-Butanone
Concen: 10.752 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

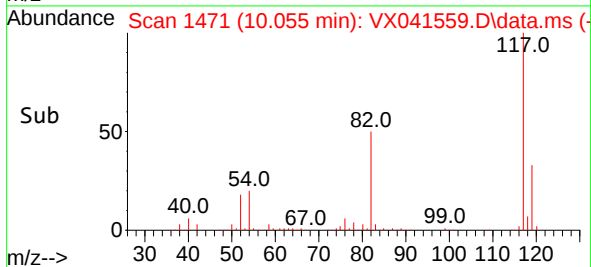
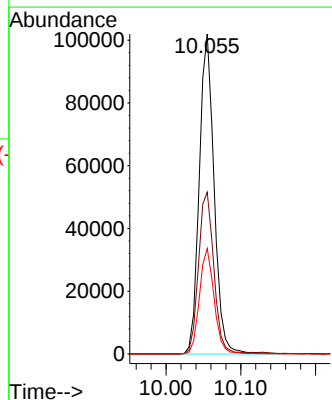
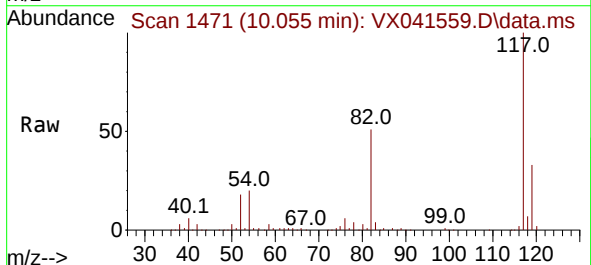
Instrument :
MSVOA_X
ClientSampleId :
240514074-02

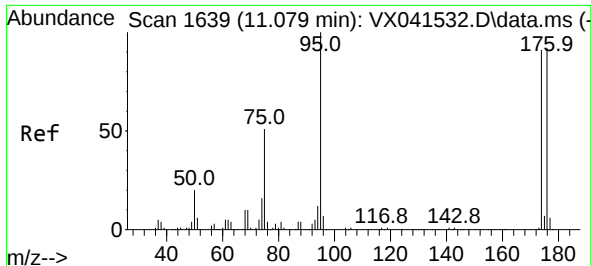
Tgt Ion: 43 Resp: 14435
Ion Ratio Lower Upper
43 100
57 8.1 6.6 10.0
72 14.1 20.7 31.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

Tgt Ion: 117 Resp: 140542
Ion Ratio Lower Upper
117 100
82 52.1 41.7 62.5
119 32.4 25.7 38.5

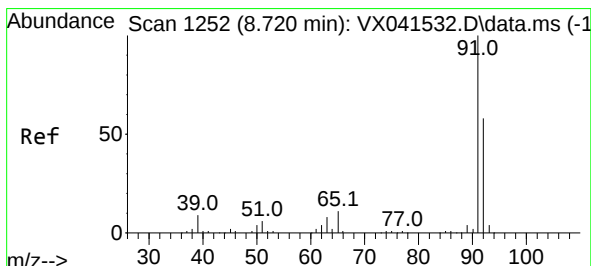
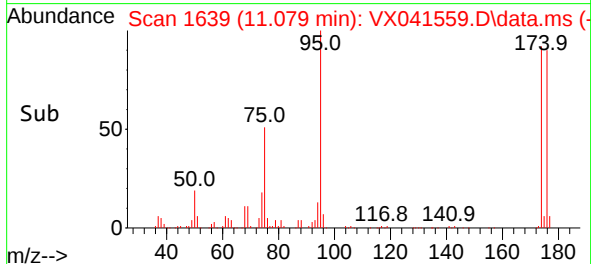
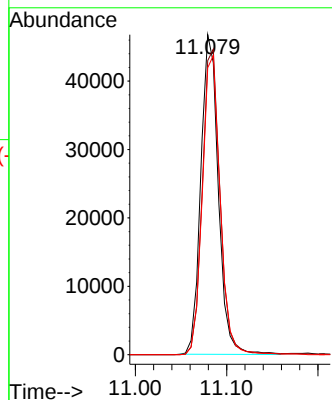
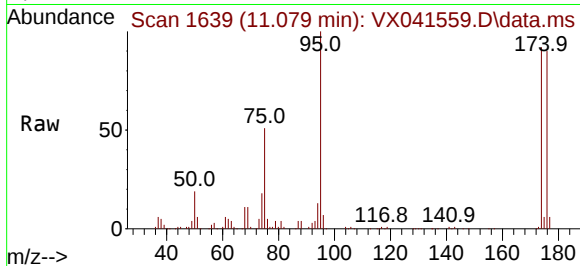




#60
4-Bromofluorobenzene
Concen: 28.295 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

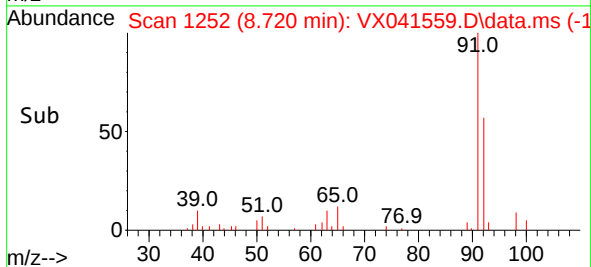
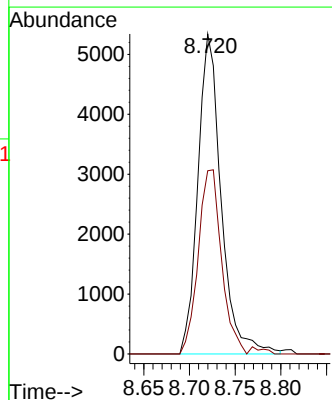
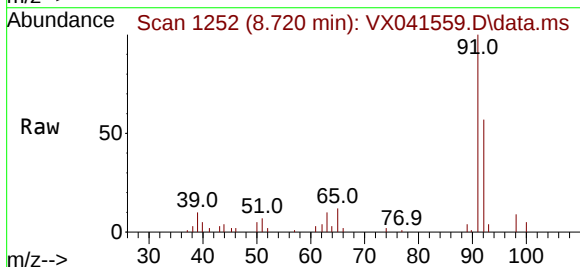
Instrument :
MSVOA_X
ClientSampleId :
240514074-02

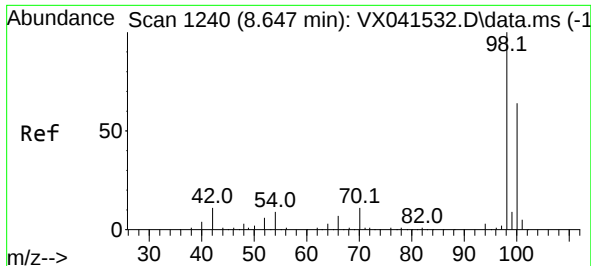
Tgt Ion: 95 Resp: 62078
Ion Ratio Lower Upper
95 100
174 96.4 76.6 115.0
176 95.3 75.4 113.0



#62
Toluene
Concen: 1.351 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

Tgt Ion: 91 Resp: 9446
Ion Ratio Lower Upper
91 100
92 57.6 47.0 70.6

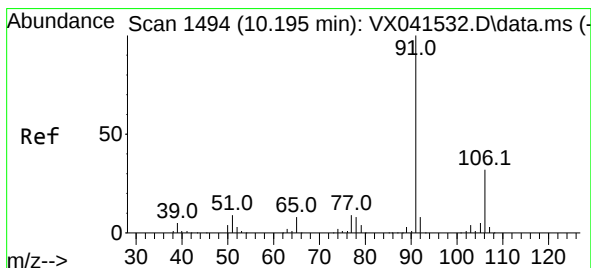
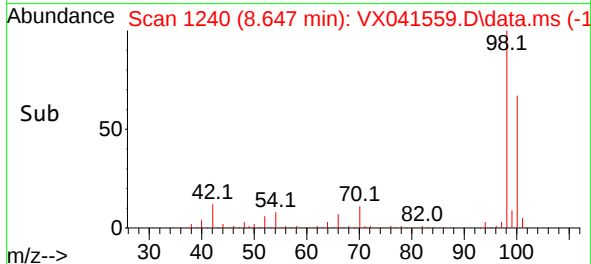
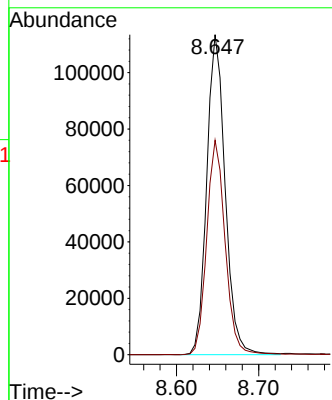
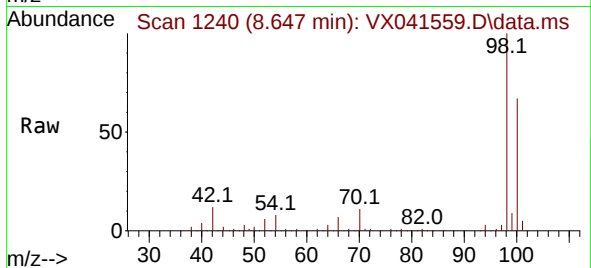




#63
Toluene-d8
Concen: 29.348 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

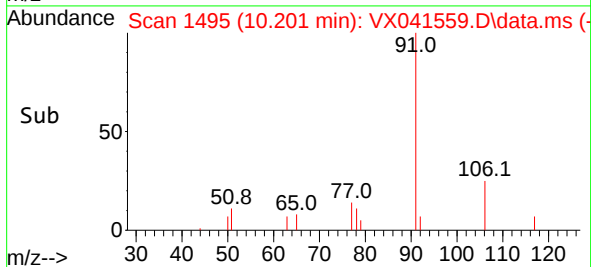
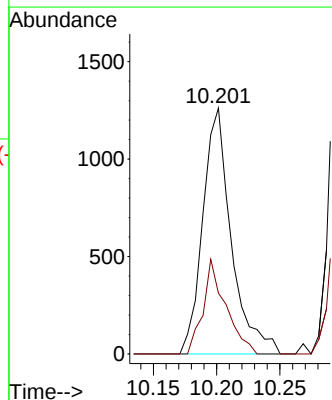
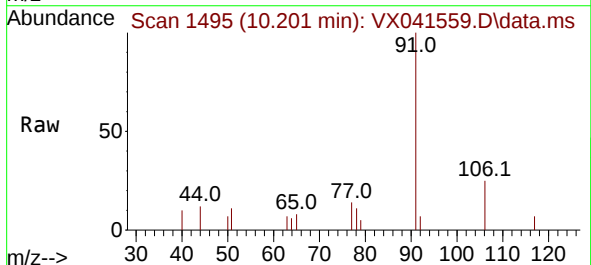
Instrument :
MSVOA_X
ClientSampleId :
240514074-02

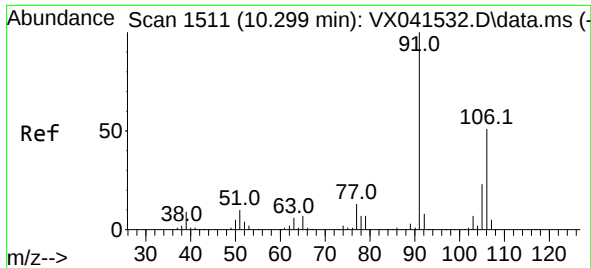
Tgt Ion: 98 Resp: 176807
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7



#66
Ethyl Benzene
Concen: 0.255 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

Tgt Ion: 91 Resp: 1983
Ion Ratio Lower Upper
91 100
106 24.7 25.9 38.9#

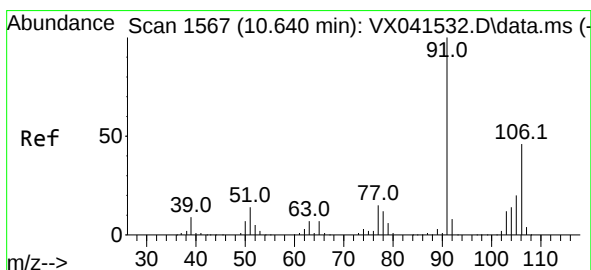
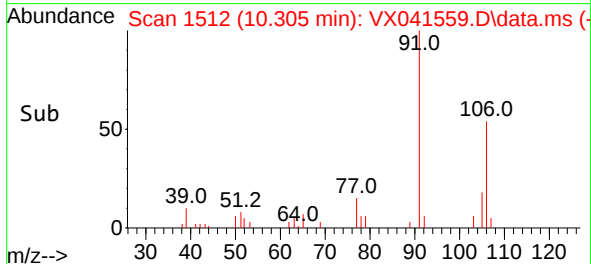
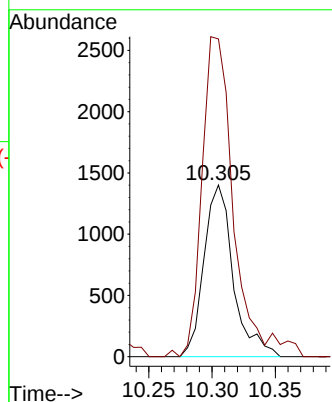
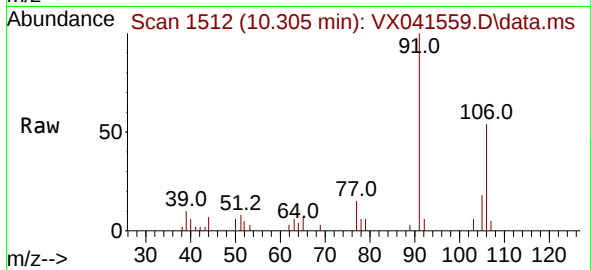




#67
m/p-Xylenes
Concen: 0.746 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

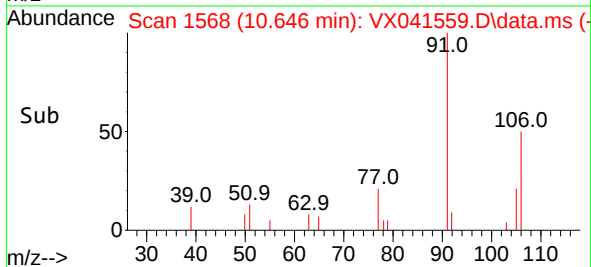
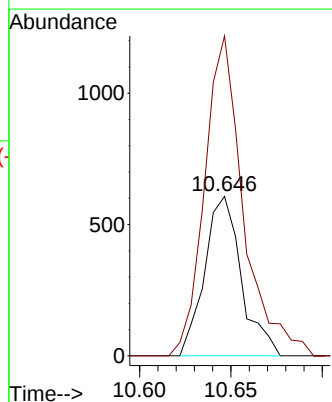
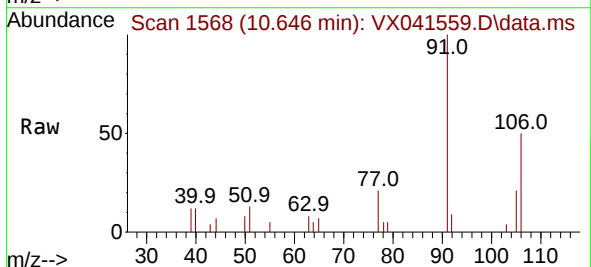
Instrument :
MSVOA_X
ClientSampleId :
240514074-02

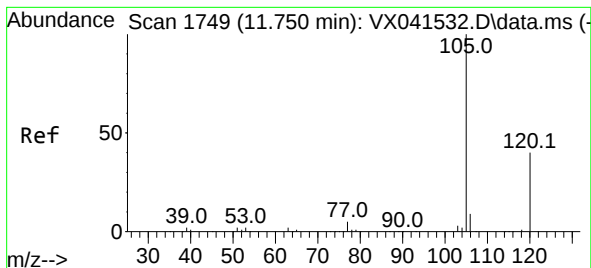
Tgt Ion:106 Resp: 2265
Ion Ratio Lower Upper
106 100
91 191.7 156.5 234.7



#68
o-Xylene
Concen: 0.278 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX041559.D
Acq: 16 May 2024 13:34

Tgt Ion:106 Resp: 849
Ion Ratio Lower Upper
106 100
91 212.4 105.2 315.6





#80

1,2,4-Trimethylbenzene

Concen: 0.506 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041559.D

Acq: 16 May 2024 13:34

Instrument :

MSVOA_X

ClientSampleId :

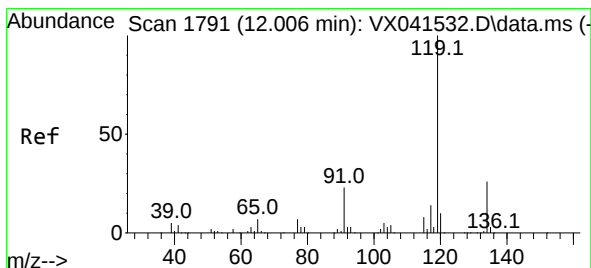
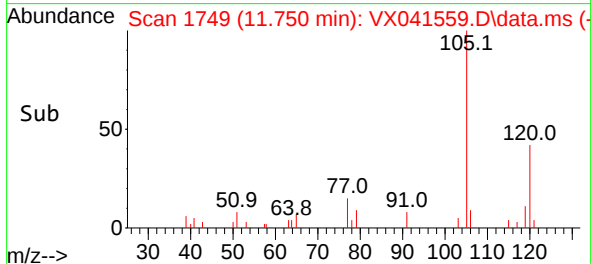
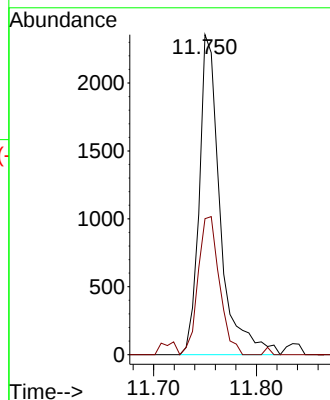
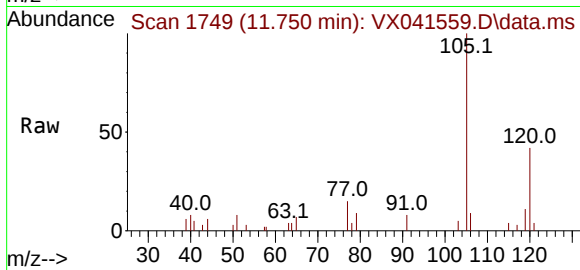
240514074-02

Tgt Ion:105 Resp: 3344

Ion Ratio Lower Upper

105 100

120 43.9 0.0 92.2



#82

p-Isopropyltoluene

Concen: 0.658 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX041559.D

Acq: 16 May 2024 13:34

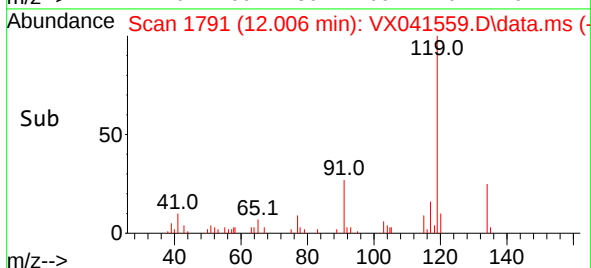
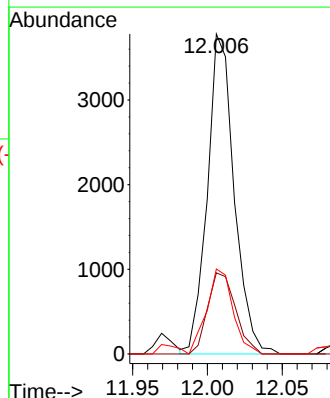
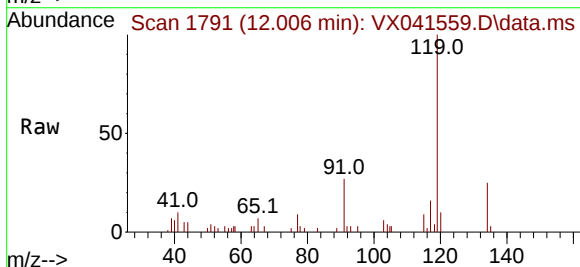
Tgt Ion:119 Resp: 4720

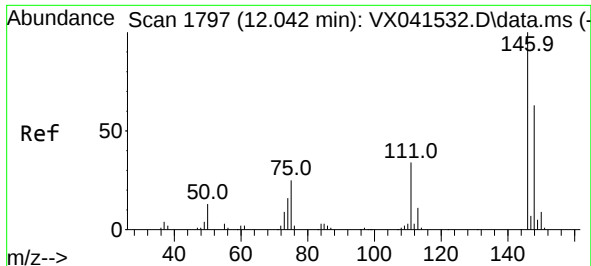
Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.4

91 25.9 0.0 44.8





#84

1,4-Dichlorobenzene

Concen: 0.465 ug/l

RT: 12.043 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041559.D

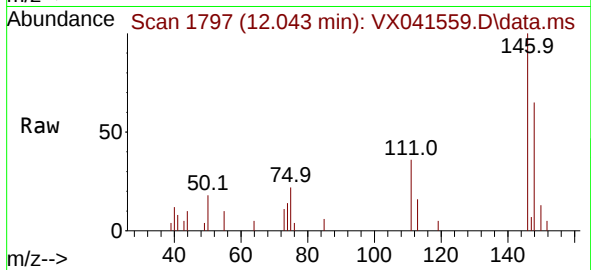
Acq: 16 May 2024 13:34

Instrument :

MSVOA_X

ClientSampleId :

240514074-02



Tgt Ion:146 Resp: 1914

Ion Ratio Lower Upper

146 100

111 36.8 17.8 53.5

148 71.0 31.9 95.5

