

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020922\
 Data File : VX026904.D
 Acq On : 10 Feb 2022 06:01
 Operator : JC/MD
 Sample : N1447-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 10 07:31:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

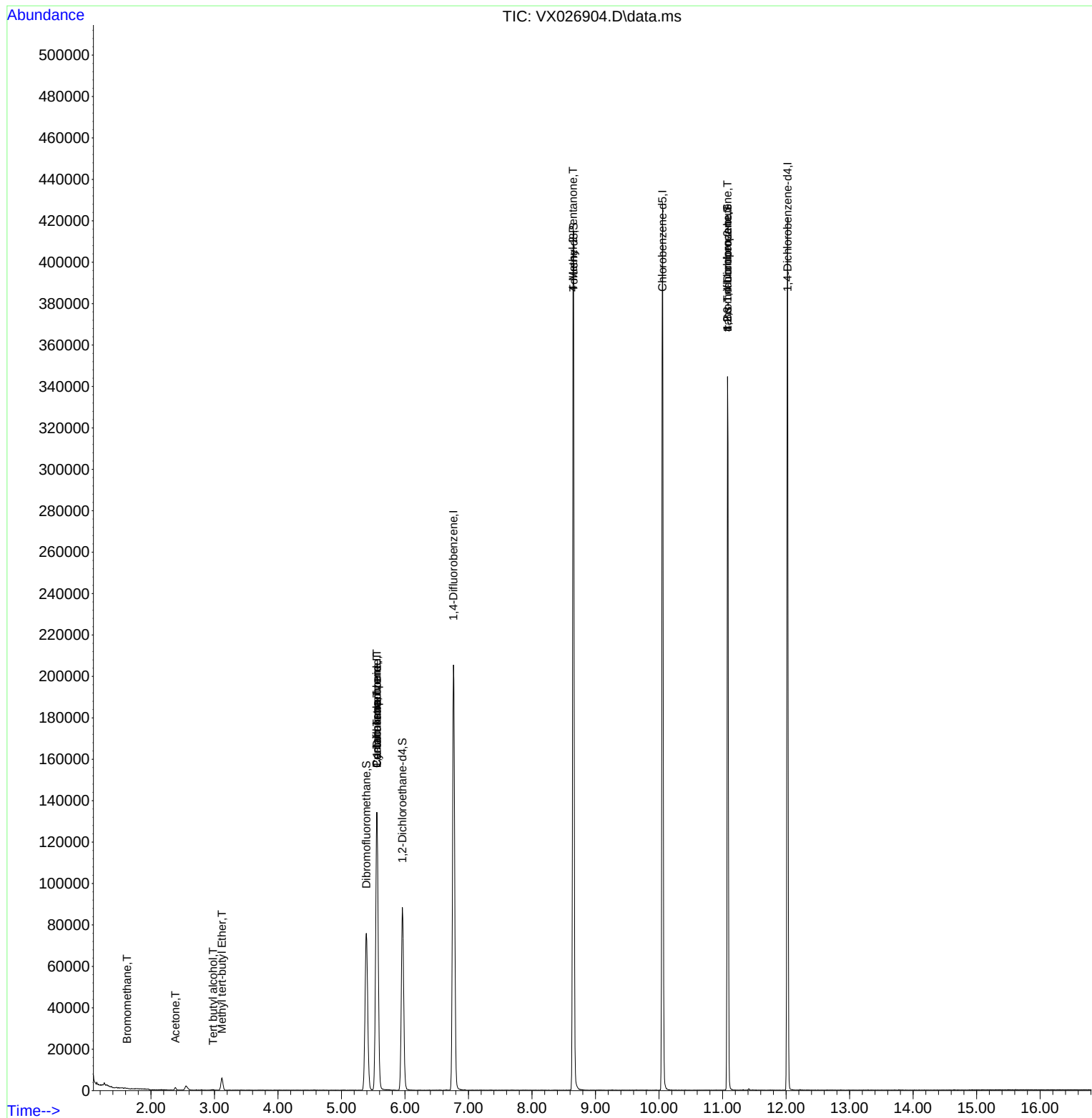
Internal Standards						
1) Pentafluorobenzene	5.556	168	125296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213347	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84104	55.918	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.840%	
35) Dibromofluoromethane	5.391	113	67366	52.999	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.000%	
50) Toluene-d8	8.653	98	252277	54.070	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.140%	
62) 4-Bromofluorobenzene	11.079	95	95182	57.944	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	118	0.210	ug/l	94
11) Tert butyl alcohol	2.977	59	428	1.575	ug/l #	75
16) Acetone	2.386	43	1456	2.204	ug/l #	83
19) Methyl tert-butyl Ether	3.117	73	6533	1.439	ug/l	97
31) Cyclohexane	5.556	56	2556	1.070	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	10028	5.001	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13215	6.285	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1070	0.504	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	47606	25.506	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	47606	77.729	ug/l #	3

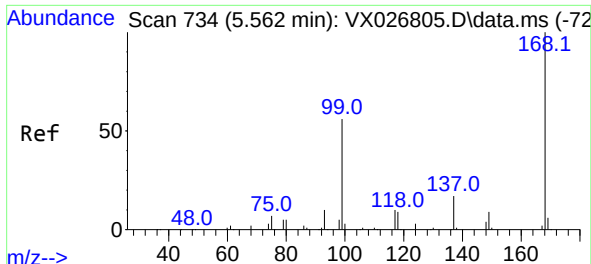
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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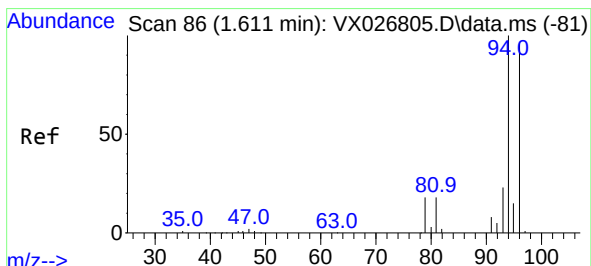
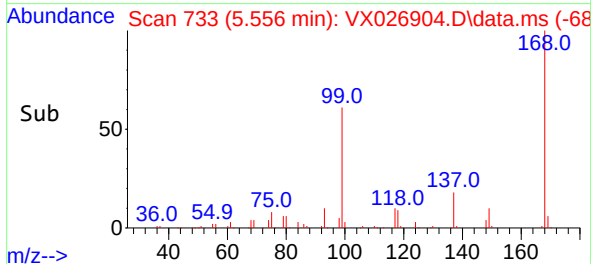
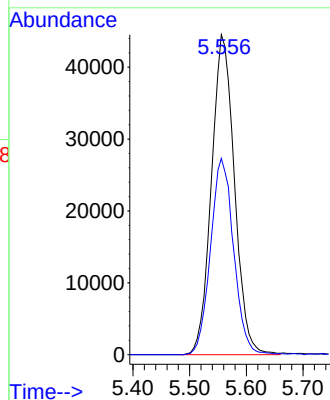
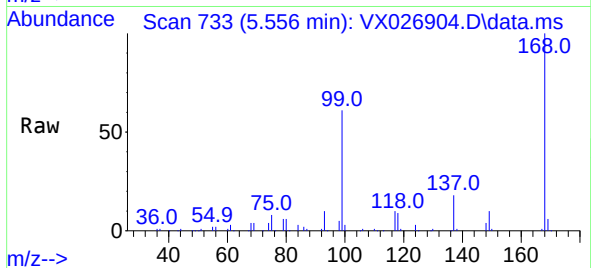




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

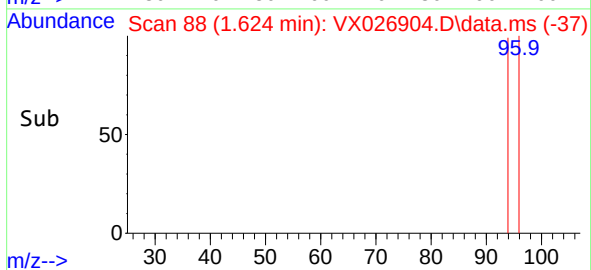
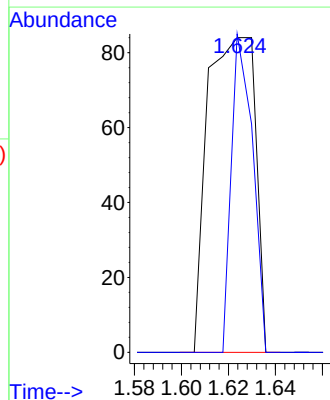
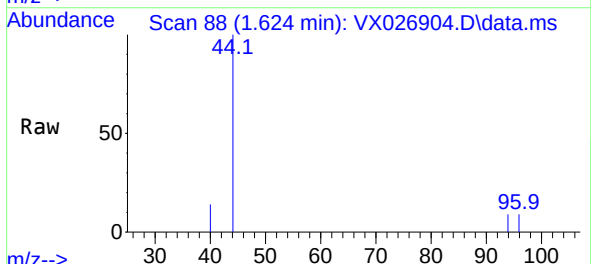
Instrument :
MSVOA_X
ClientSampleId :

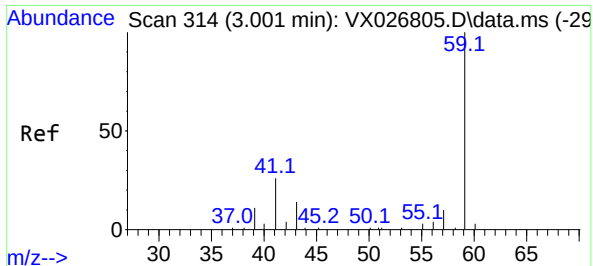
Tgt Ion:168 Resp: 125296
Ion Ratio Lower Upper
168 100
99 61.4 50.3 75.5



#5
Bromomethane
Concen: 0.210 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 101.2 75.9 113.9





#11

Tert butyl alcohol

Concen: 1.575 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.024 min

Lab File: VX026904.D

Acq: 10 Feb 2022 06:01

Instrument :

MSVOA_X

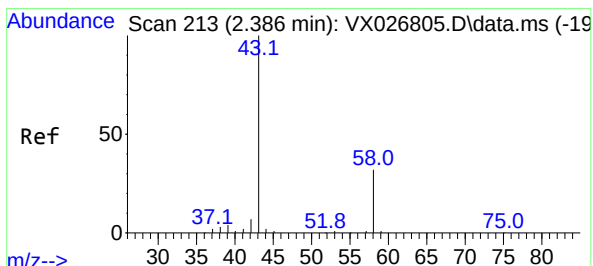
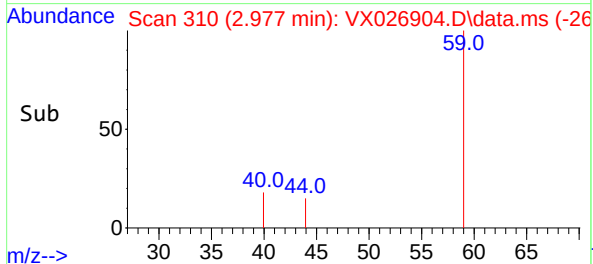
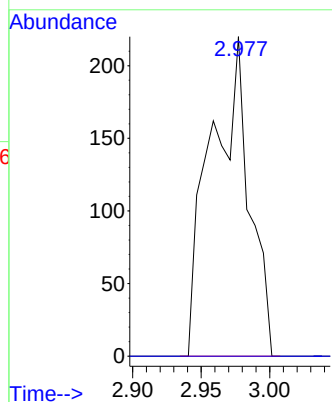
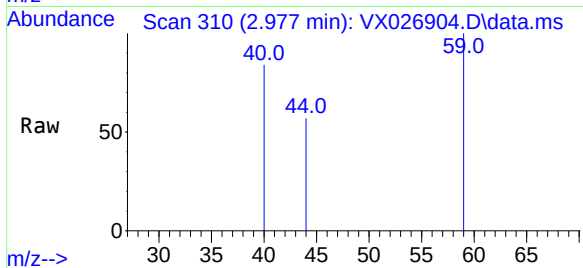
ClientSampleId :

Tgt Ion: 59 Resp: 428

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 2.204 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX026904.D

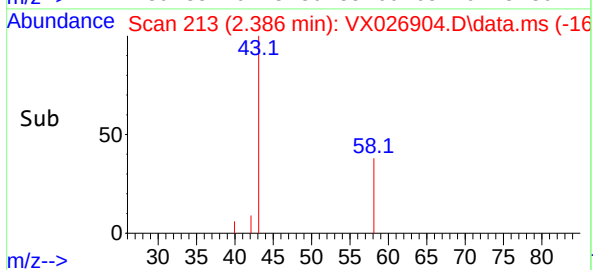
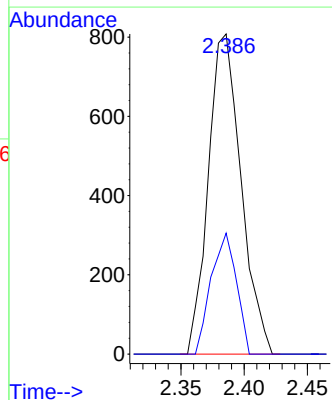
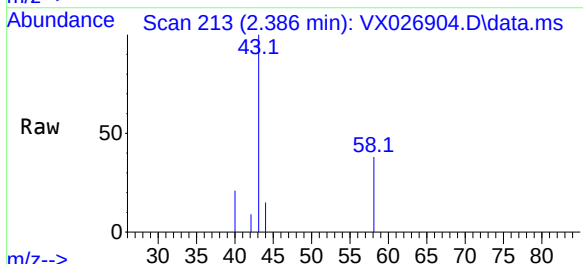
Acq: 10 Feb 2022 06:01

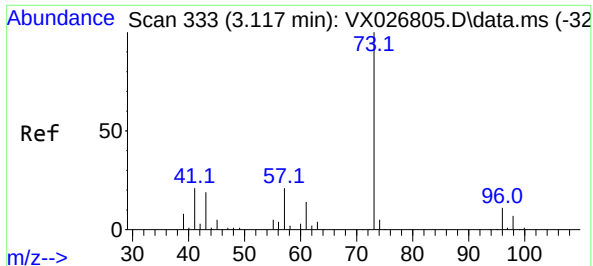
Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

43 100

58 37.7 23.0 34.6#





#19

Methyl tert-butyl Ether

Concen: 1.439 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX026904.D

Acq: 10 Feb 2022 06:01

Instrument :

MSVOA_X

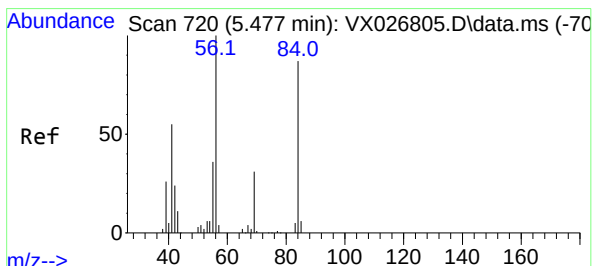
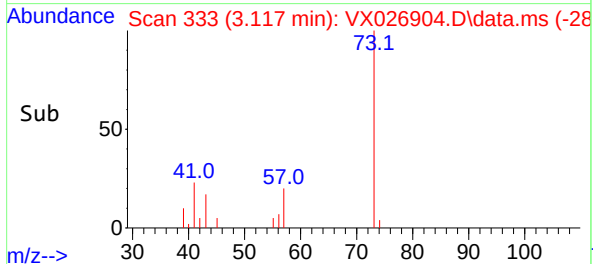
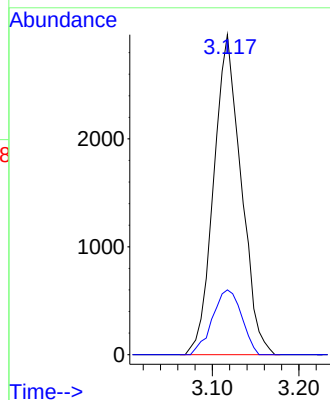
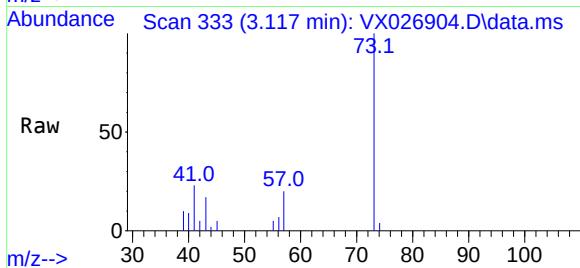
ClientSampleId :

Tgt Ion: 73 Resp: 6533

Ion Ratio Lower Upper

73 100

57 20.2 17.4 26.2



#31

Cyclohexane

Concen: 1.070 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026904.D

Acq: 10 Feb 2022 06:01

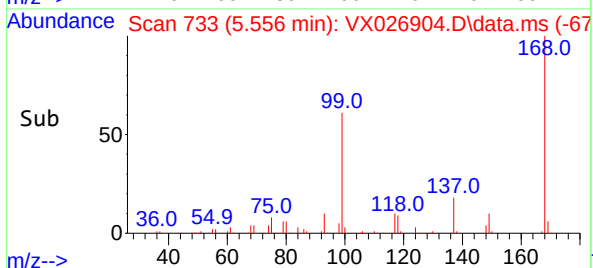
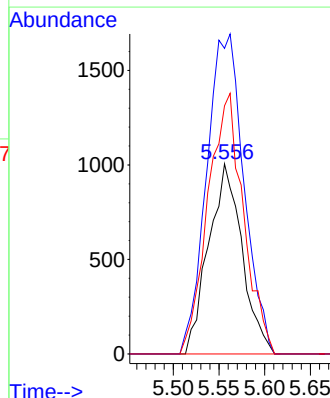
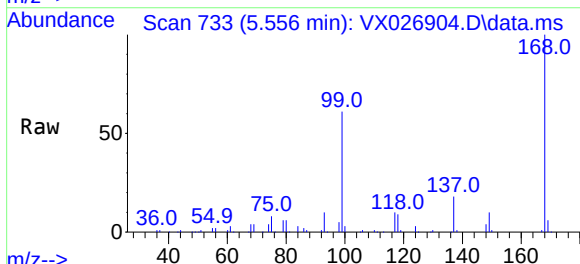
Tgt Ion: 56 Resp: 2556

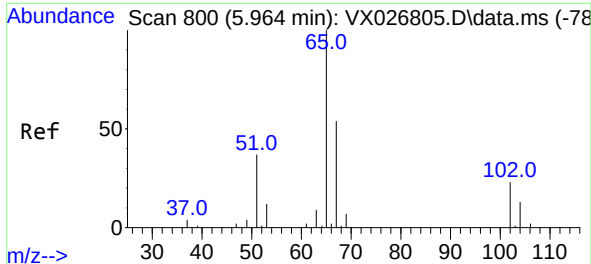
Ion Ratio Lower Upper

56 100

69 160.7 25.8 38.6#

84 130.5 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 55.918 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026904.D

Acq: 10 Feb 2022 06:01

Instrument :

MSVOA_X

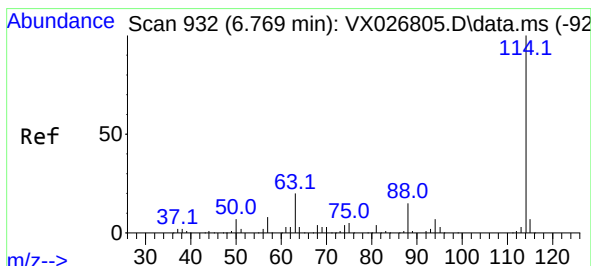
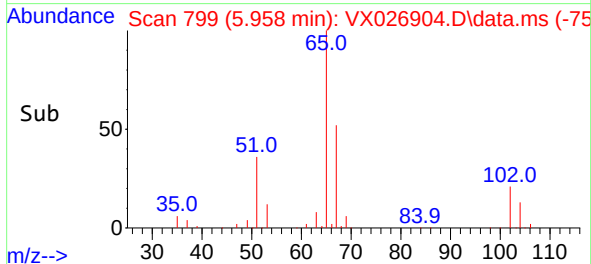
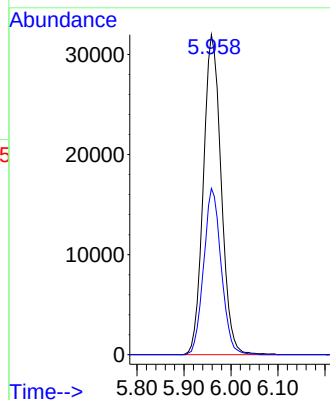
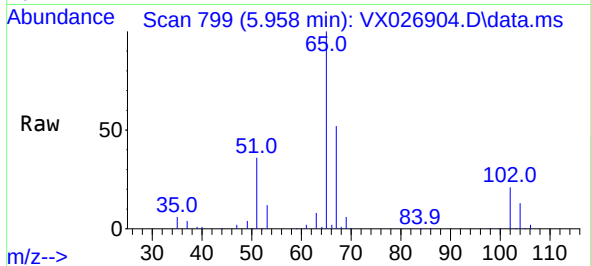
ClientSampleId :

Tgt Ion: 65 Resp: 84104

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026904.D

Acq: 10 Feb 2022 06:01

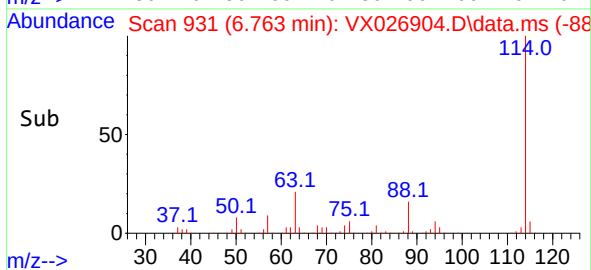
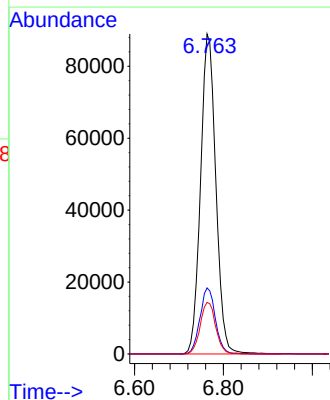
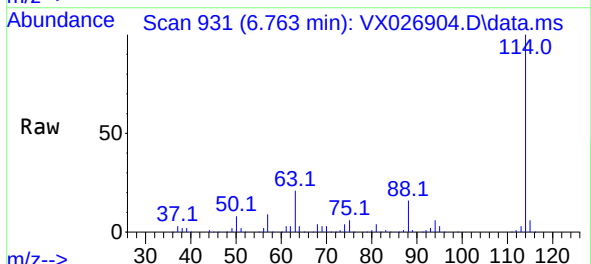
Tgt Ion: 114 Resp: 213347

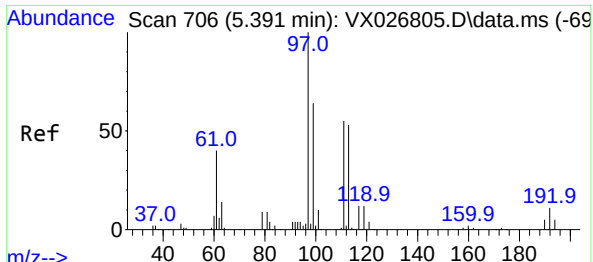
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

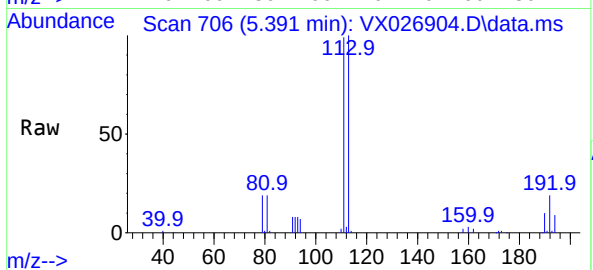
88 16.1 0.0 33.0



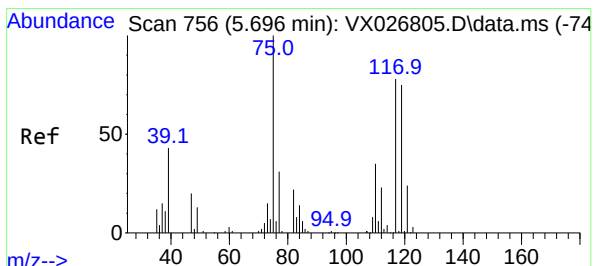
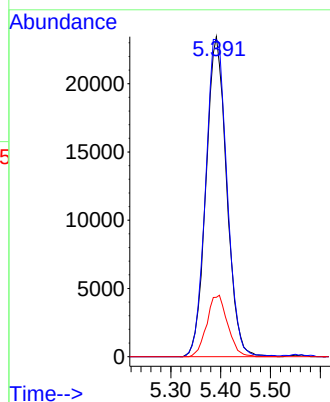
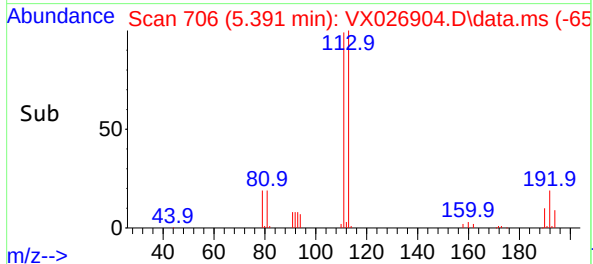


#35
Dibromofluoromethane
Concen: 52.999 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

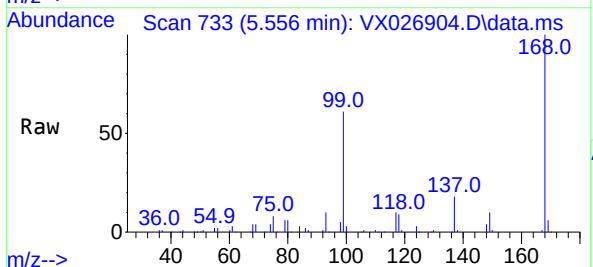
Instrument :
MSVOA_X
ClientSampleId :



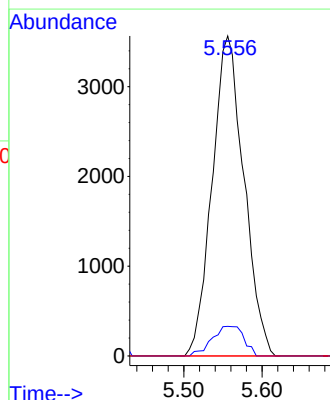
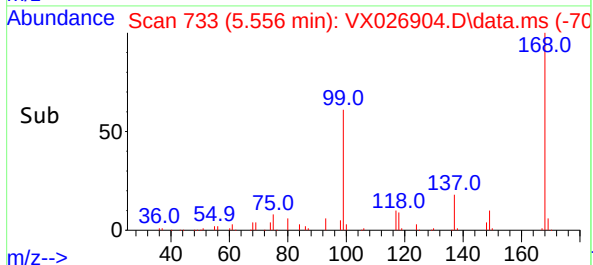
Tgt Ion:113 Resp: 67366
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 19.3 15.0 22.4

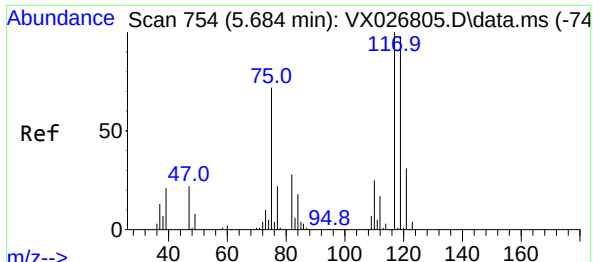


#36
1,1-Dichloropropene
Concen: 5.001 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01



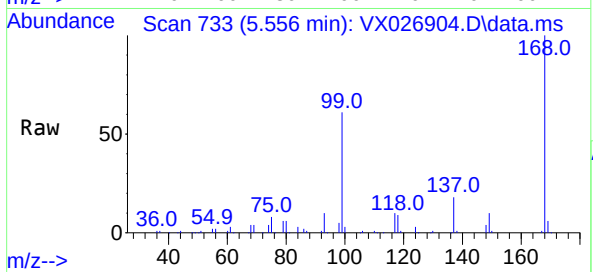
Tgt Ion: 75 Resp: 10028
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.6#
77 0.0 24.6 36.8#



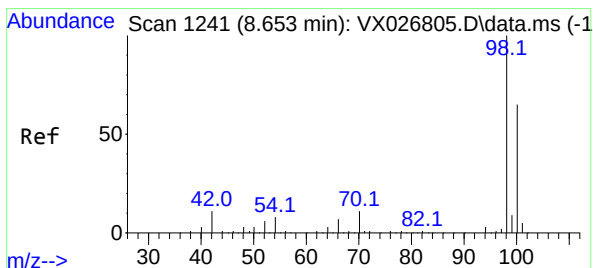
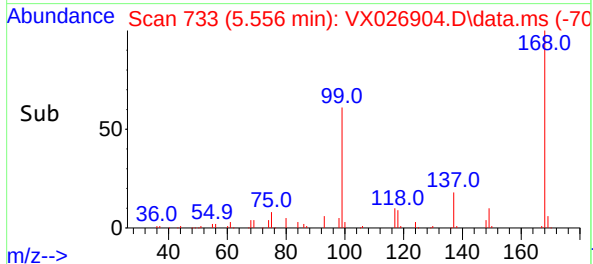
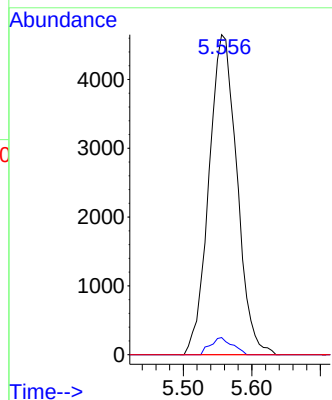


#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

Instrument :
MSVOA_X
ClientSampleId :

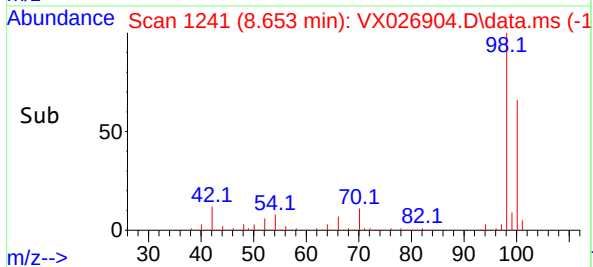
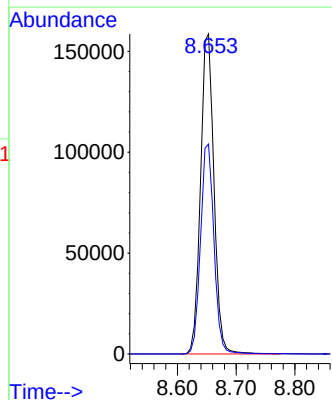
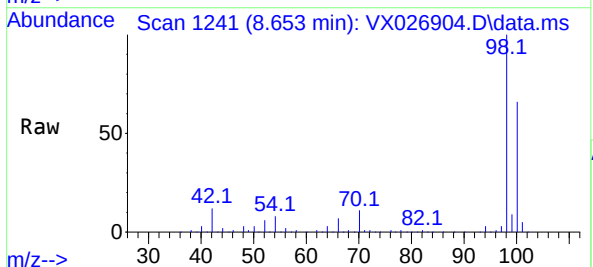


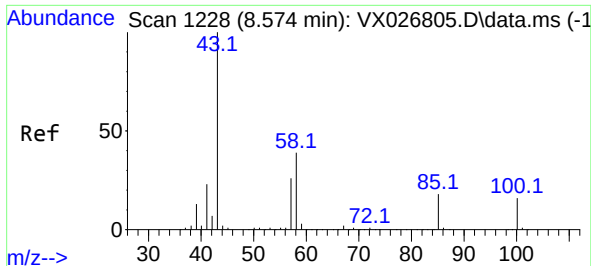
Tgt Ion:117 Resp: 13215
Ion Ratio Lower Upper
117 100
119 5.3 74.7 112.1#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 54.070 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

Tgt Ion: 98 Resp: 252277
Ion Ratio Lower Upper
98 100
100 65.7 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 0.504 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX026904.D

Acq: 10 Feb 2022 06:01

Instrument :

MSVOA_X

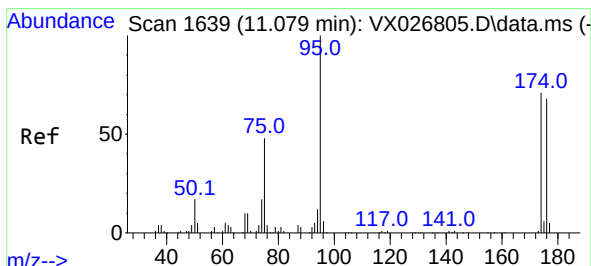
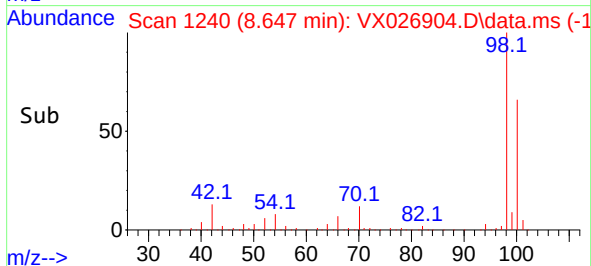
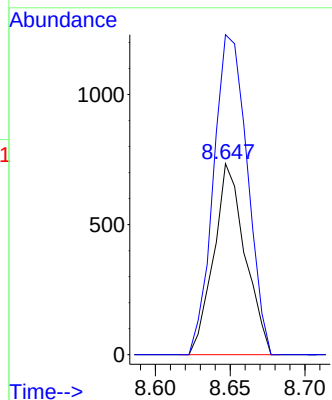
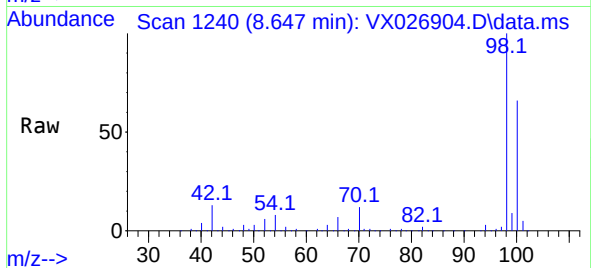
ClientSampleId :

Tgt Ion: 43 Resp: 1070

Ion Ratio Lower Upper

43 100

58 180.7 30.5 45.7#



#62

4-Bromofluorobenzene

Concen: 57.944 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026904.D

Acq: 10 Feb 2022 06:01

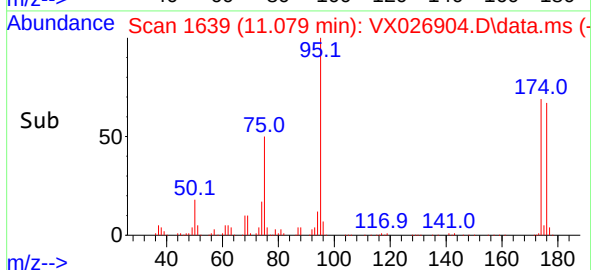
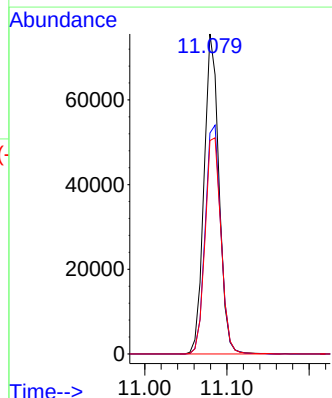
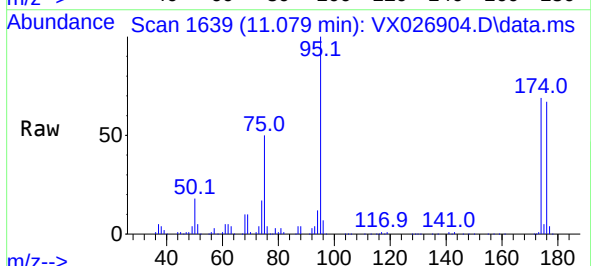
Tgt Ion: 95 Resp: 95182

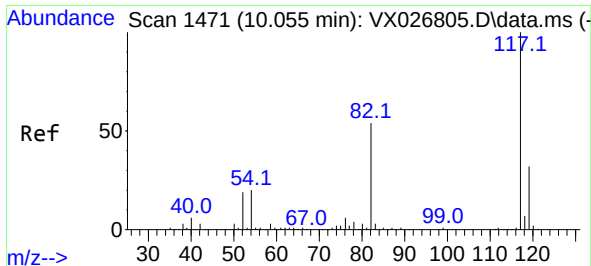
Ion Ratio Lower Upper

95 100

174 74.6 0.0 148.6

176 72.1 0.0 141.4

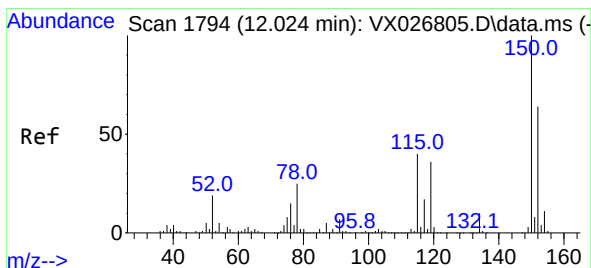
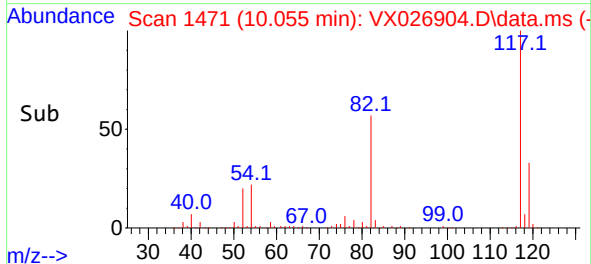
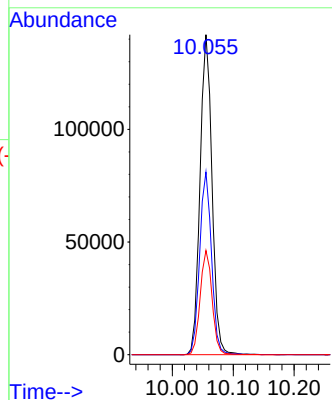
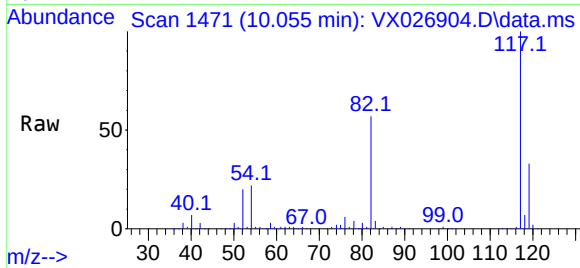




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

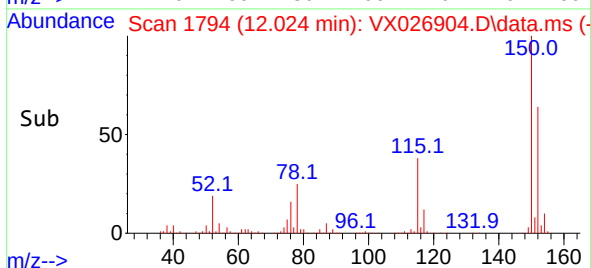
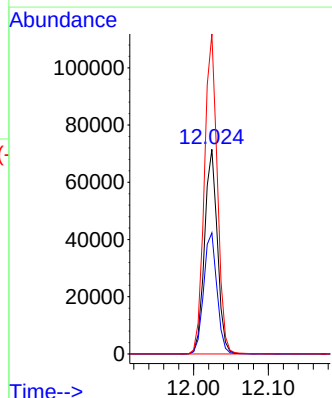
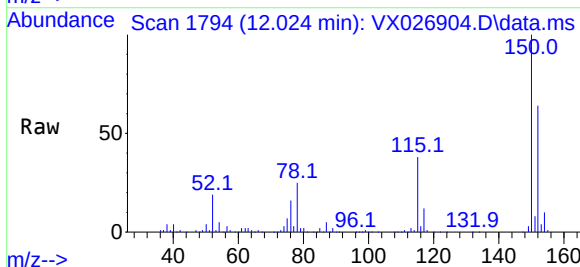
Instrument :
MSVOA_X
ClientSampleId :

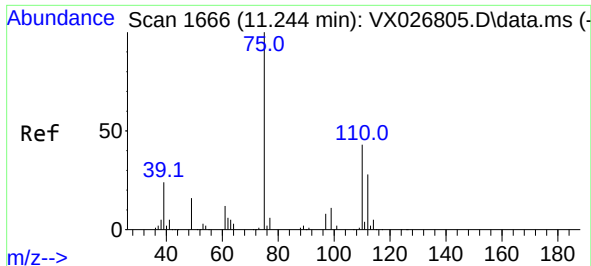
Tgt Ion:117 Resp: 193852
Ion Ratio Lower Upper
117 100
82 57.0 45.2 67.8
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

Tgt Ion:152 Resp: 85265
Ion Ratio Lower Upper
152 100
115 61.1 44.2 132.6
150 158.1 0.0 348.2

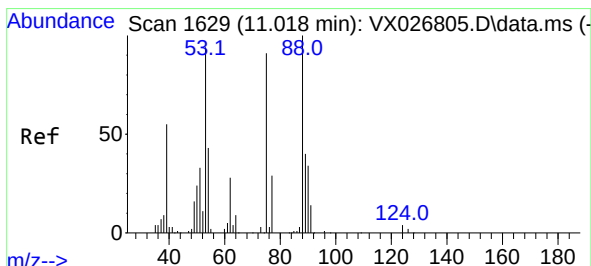
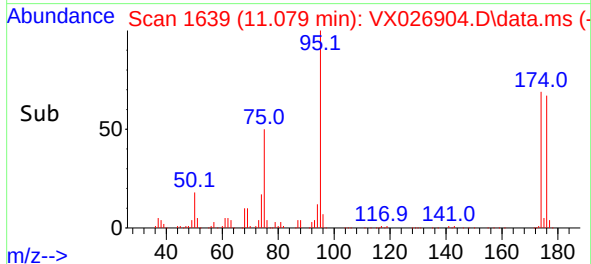
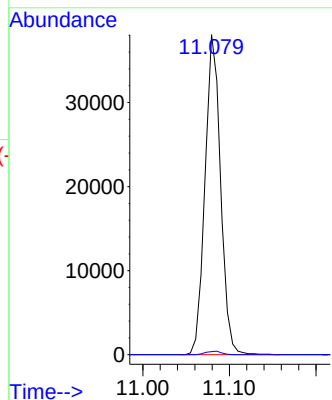
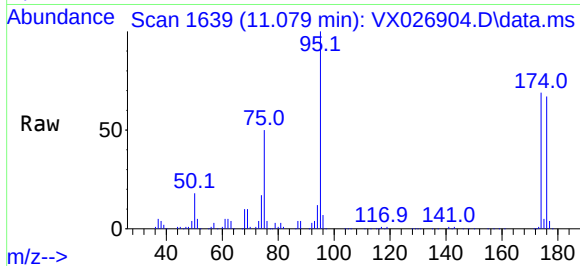




#76
1,2,3-Trichloropropane
Concen: 25.506 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 47606
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.729 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026904.D
Acq: 10 Feb 2022 06:01

Tgt Ion: 75 Resp: 47606
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

