

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033439.D
 Acq On : 15 Dec 2022 14:04
 Operator : JC/MD
 Sample : PB149669TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149669TB

Quant Time: Dec 16 01:02:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

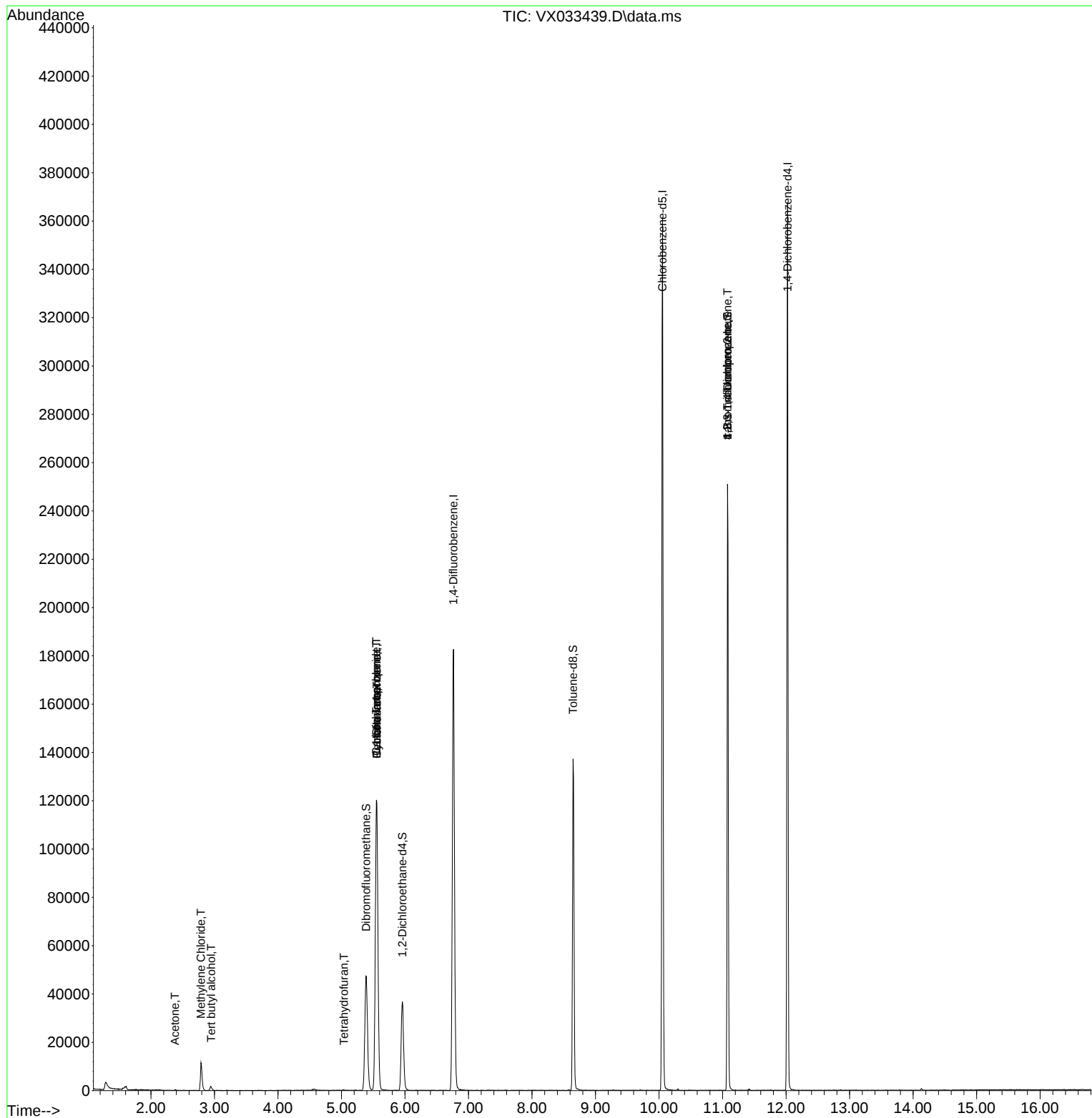
Internal Standards						
1) Pentafluorobenzene	5.556	168	117880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38125	50.414	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.820%	
35) Dibromofluoromethane	5.385	113	42223	49.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.480%	
50) Toluene-d8	8.647	98	84528	47.603	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.200%	
62) 4-Bromofluorobenzene	11.079	95	64652	47.618	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	997	4.312	ug/l #	72
16) Acetone	2.380	43	390	0.697	ug/l	95
20) Methylene Chloride	2.788	84	5621	4.504	ug/l	90
29) Tetrahydrofuran	5.038	42	261	0.502	ug/l #	51
31) Cyclohexane	5.556	56	2322	1.292	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	8803	5.319	ug/l #	49
38) Carbon Tetrachloride	5.550	117	11589	6.250	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	33969	21.864	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33969	68.013	ug/l #	6

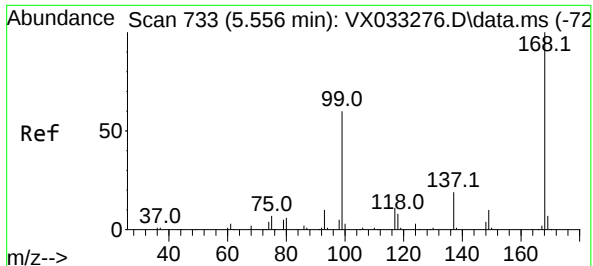
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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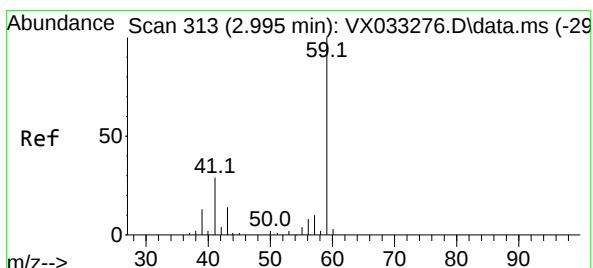
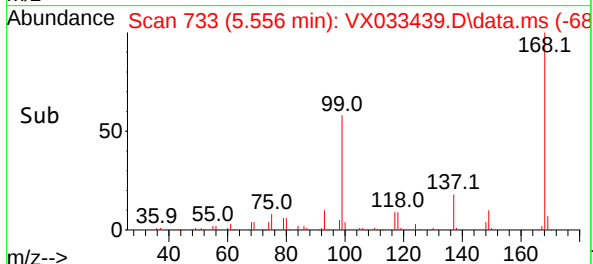
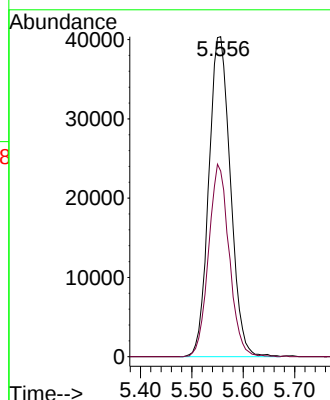
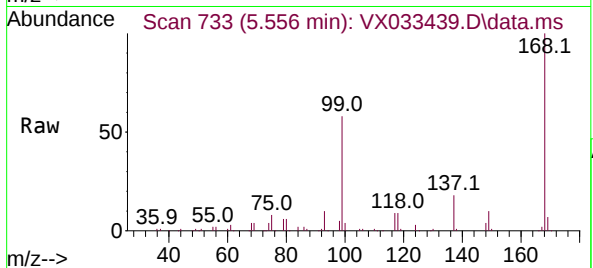




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

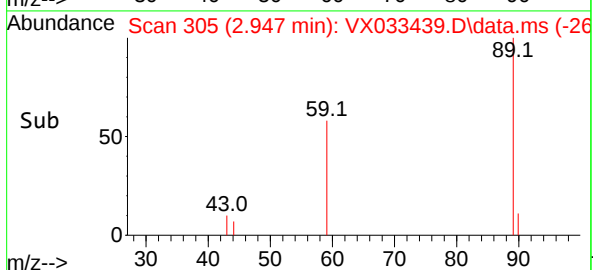
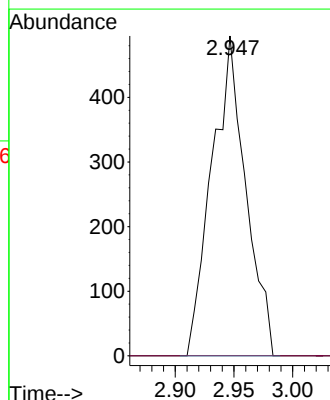
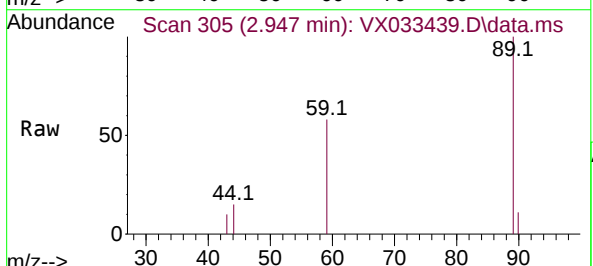
Instrument :
MSVOA_X
ClientSampleId :
PB149669TB

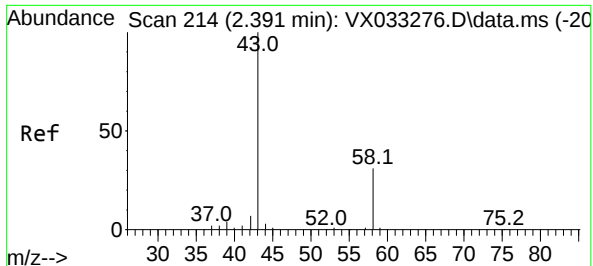
Tgt Ion:168 Resp: 117880
Ion Ratio Lower Upper
168 100
99 58.0 46.1 69.1



#11
Tert butyl alcohol
Concen: 4.312 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

Tgt Ion: 59 Resp: 997
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

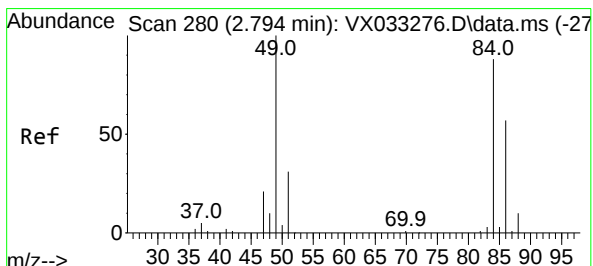
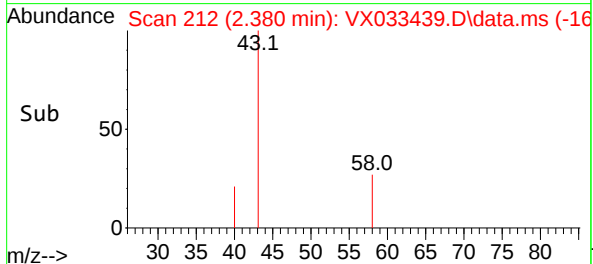
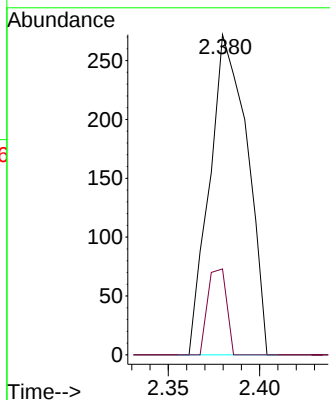
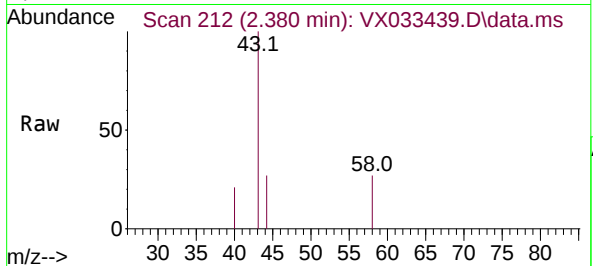




#16
Acetone
Concen: 0.697 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

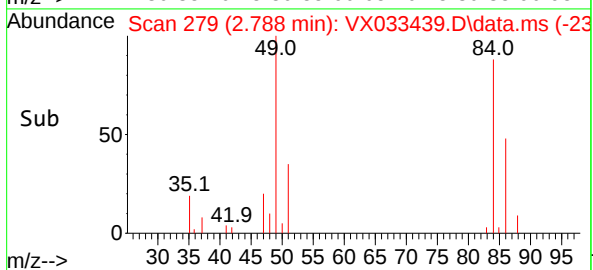
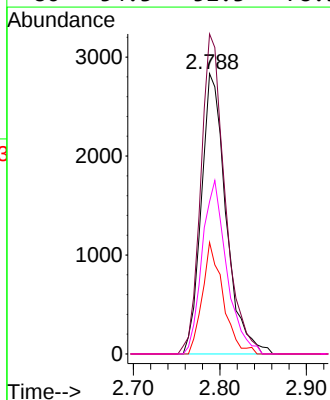
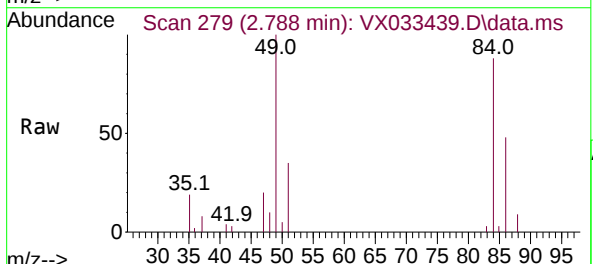
Instrument :
MSVOA_X
ClientSampleId :
PB149669TB

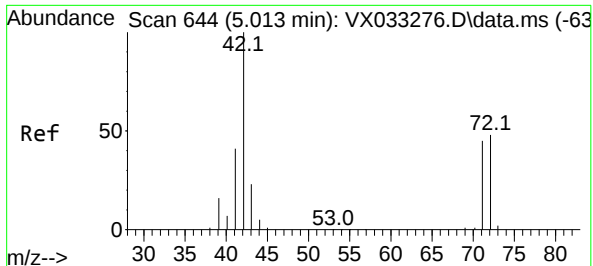
Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
58 26.8 23.8 35.8



#20
Methylene Chloride
Concen: 4.504 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

Tgt Ion: 84 Resp: 5621
Ion Ratio Lower Upper
84 100
49 114.2 101.0 151.6
51 39.8 31.1 46.7
86 54.3 52.3 78.5





#29

Tetrahydrofuran

Concen: 0.502 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX033439.D

Acq: 15 Dec 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

PB149669TB

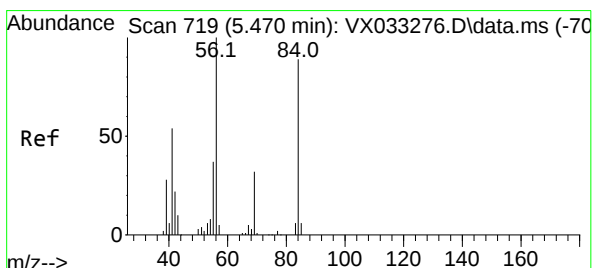
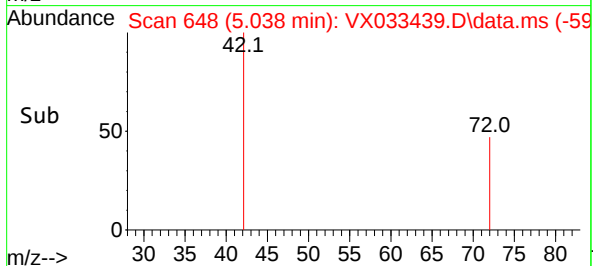
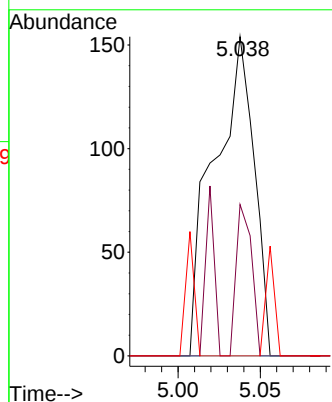
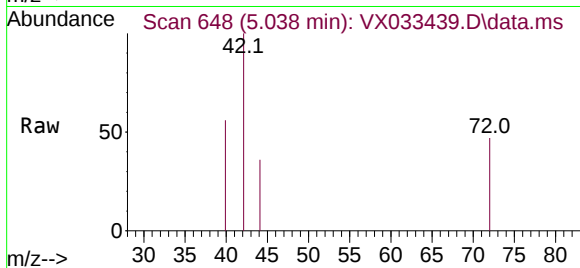
Tgt Ion: 42 Resp: 261

Ion Ratio Lower Upper

42 100

72 18.4 37.6 56.4#

71 7.3 34.7 52.1#



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033439.D

Acq: 15 Dec 2022 14:04

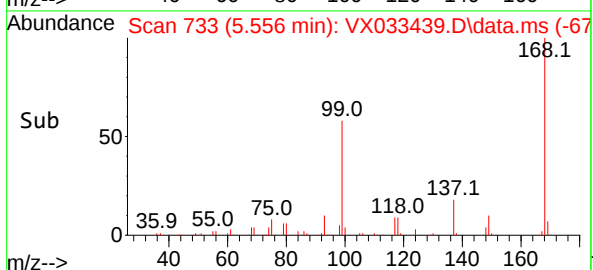
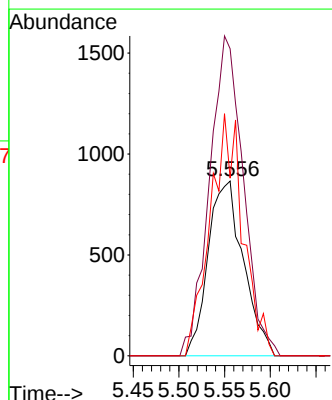
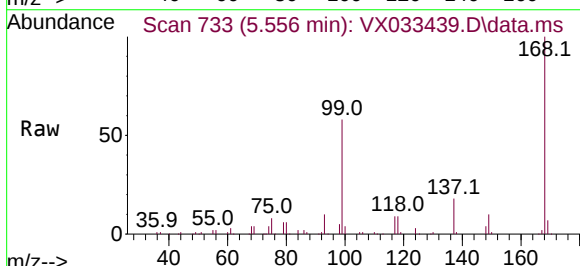
Tgt Ion: 56 Resp: 2322

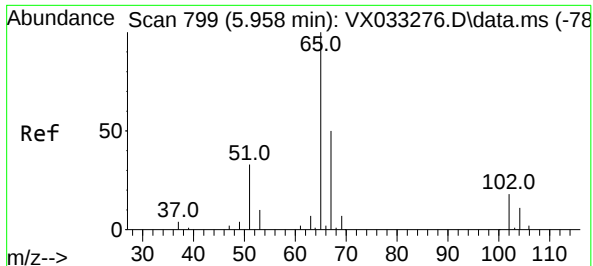
Ion Ratio Lower Upper

56 100

69 175.8 24.1 36.1#

84 101.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 50.414 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033439.D

Acq: 15 Dec 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

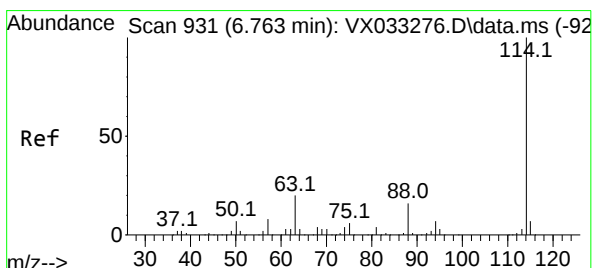
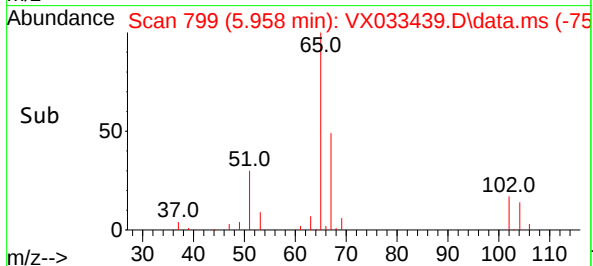
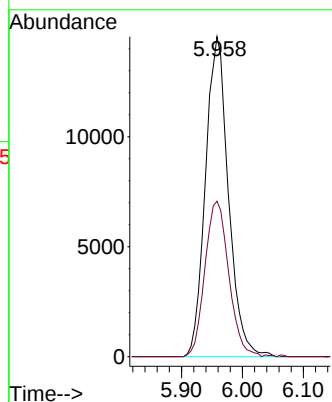
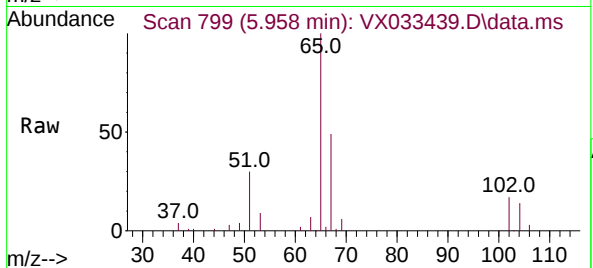
PB149669TB

Tgt Ion: 65 Resp: 38125

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033439.D

Acq: 15 Dec 2022 14:04

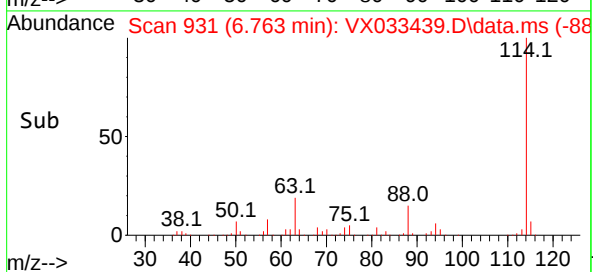
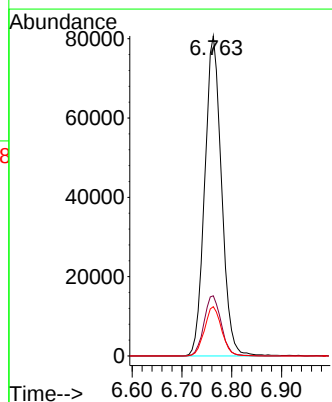
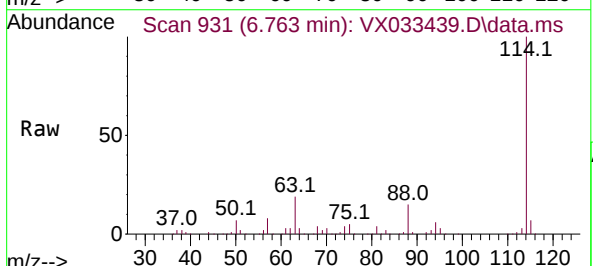
Tgt Ion: 114 Resp: 188719

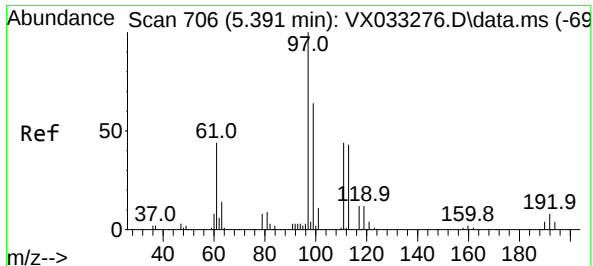
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.743 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033439.D

Acq: 15 Dec 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

PB149669TB

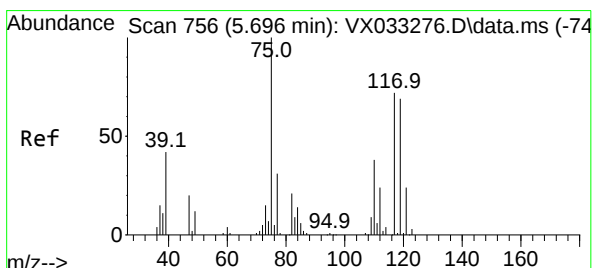
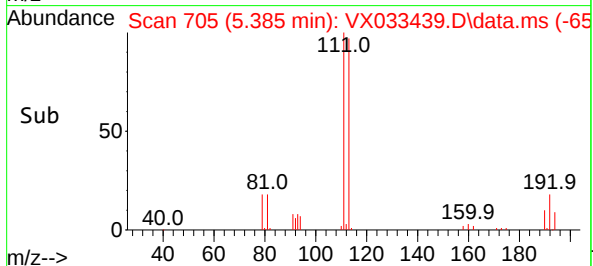
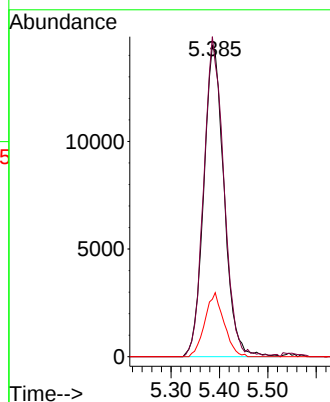
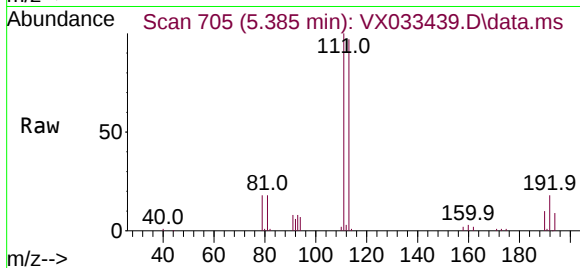
Tgt Ion:113 Resp: 42223

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 19.4 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.319 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033439.D

Acq: 15 Dec 2022 14:04

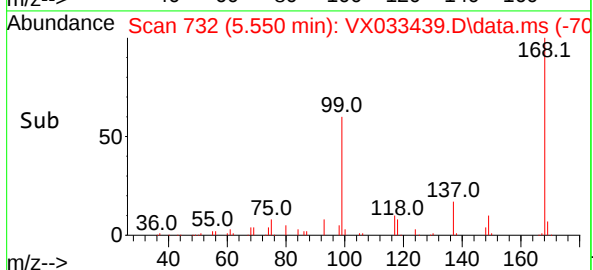
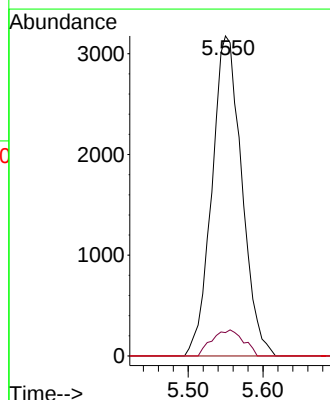
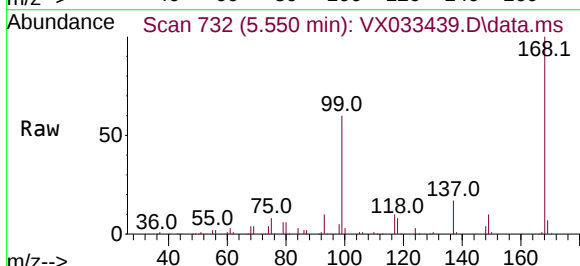
Tgt Ion: 75 Resp: 8803

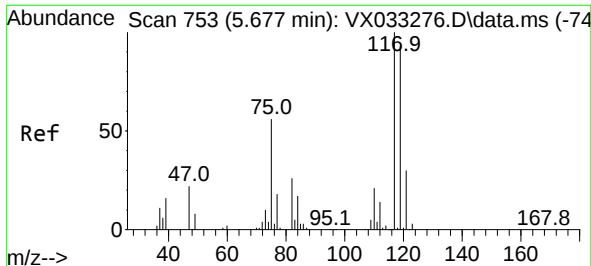
Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.5 36.7#

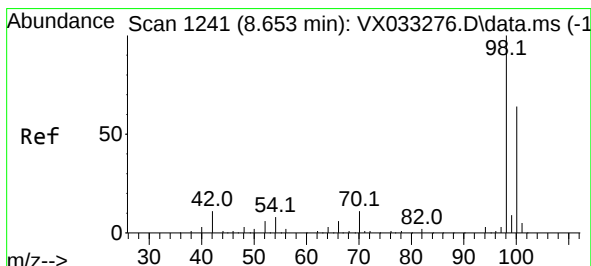
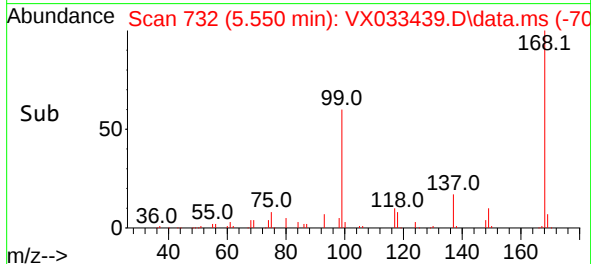
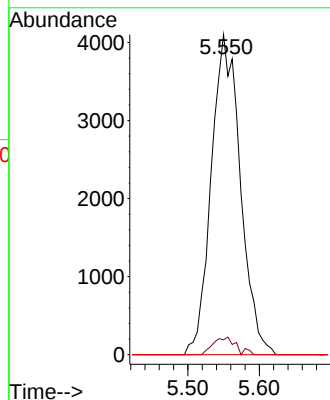
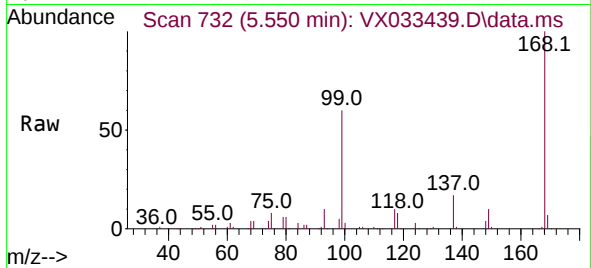




#38
Carbon Tetrachloride
Concen: 6.250 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

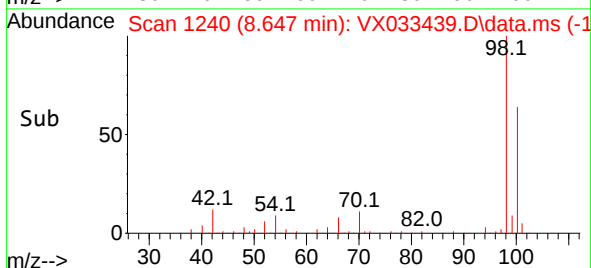
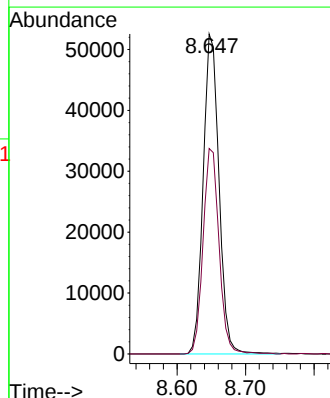
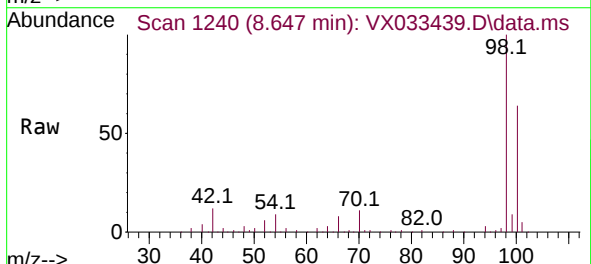
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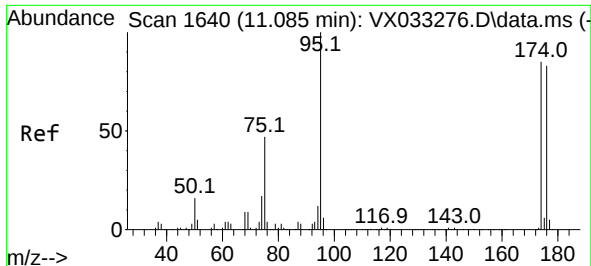
Tgt Ion:117 Resp: 11589
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.603 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

Tgt Ion: 98 Resp: 84528
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3

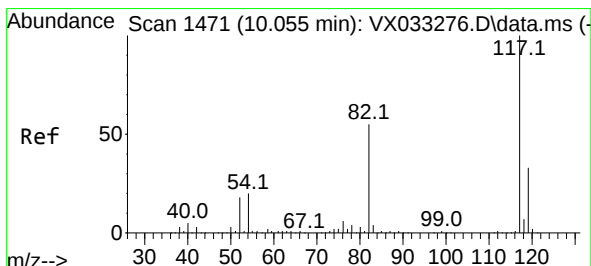
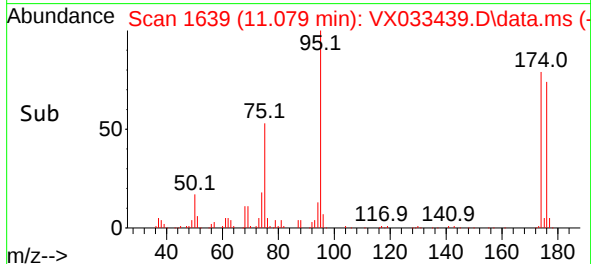
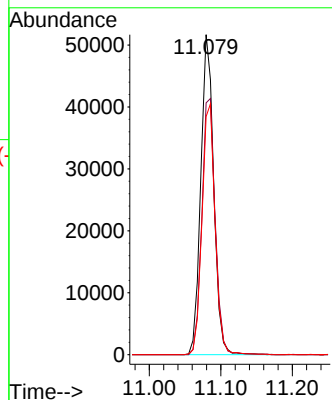
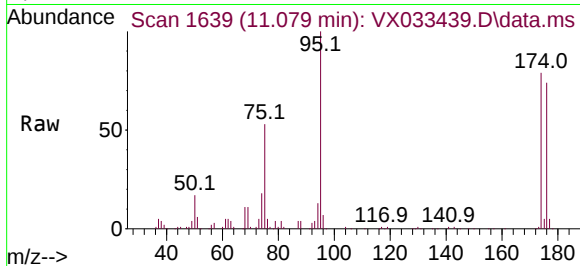




#62
4-Bromofluorobenzene
Concen: 47.618 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

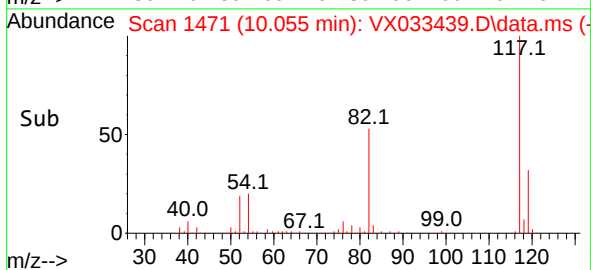
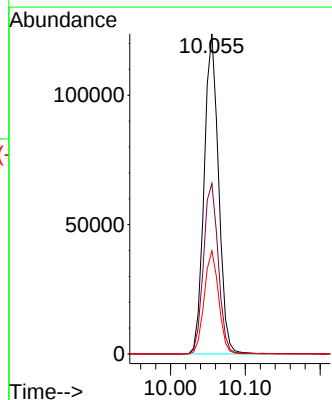
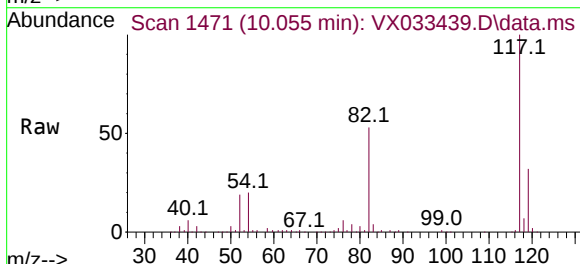
Instrument :
MSVOA_X
ClientSampleId :
PB149669TB

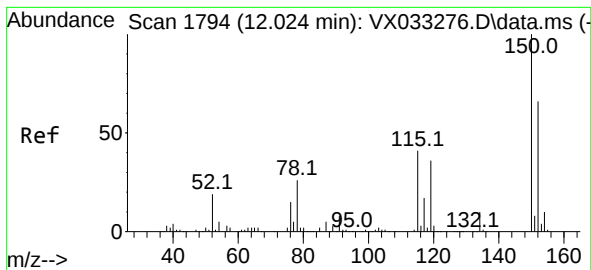
Tgt Ion: 95 Resp: 64652
Ion Ratio Lower Upper
95 100
174 83.1 0.0 164.0
176 79.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

Tgt Ion: 117 Resp: 166006
Ion Ratio Lower Upper
117 100
82 53.2 44.3 66.5
119 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033439.D

Acq: 15 Dec 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

PB149669TB

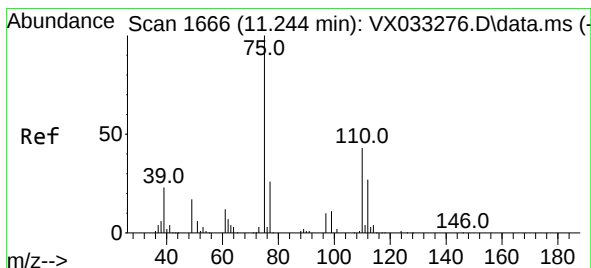
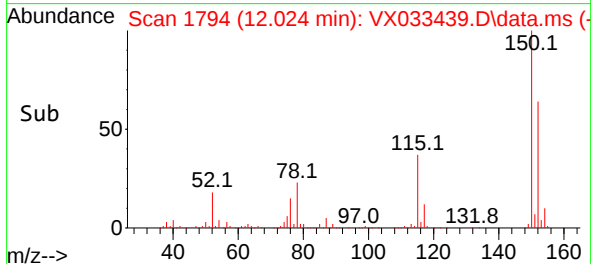
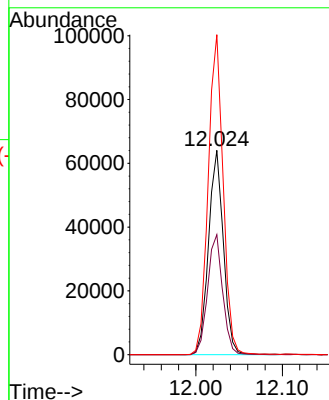
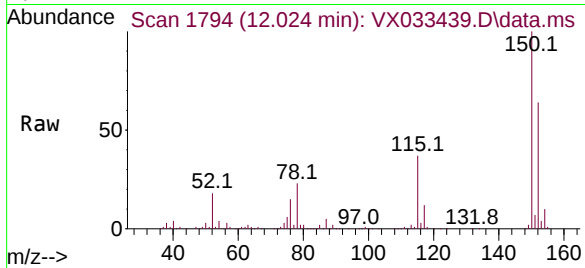
Tgt Ion:152 Resp: 76364

Ion Ratio Lower Upper

152 100

115 59.6 44.0 132.0

150 157.2 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 21.864 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX033439.D

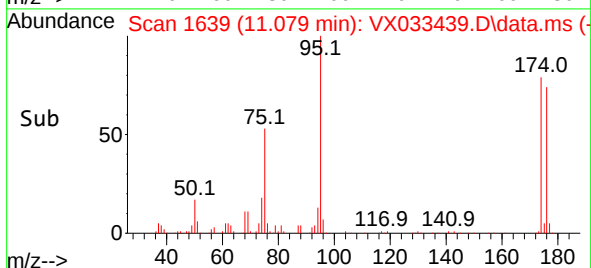
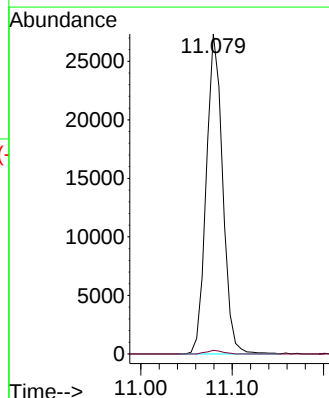
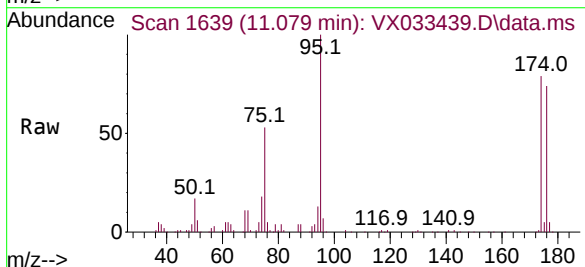
Acq: 15 Dec 2022 14:04

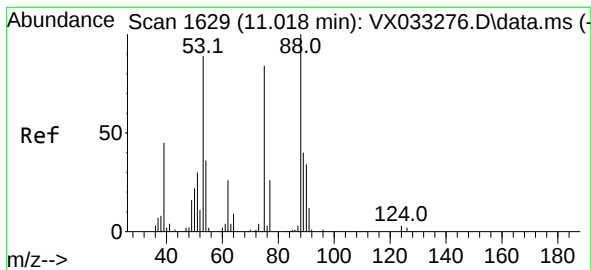
Tgt Ion: 75 Resp: 33969

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.013 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033439.D
Acq: 15 Dec 2022 14:04

Instrument :
MSVOA_X
ClientSampleId :
PB149669TB

Tgt Ion: 75 Resp: 33969
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

