

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026165.D
 Acq On : 30 Dec 2021 14:03
 Operator : JC/MD
 Sample : M5132-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

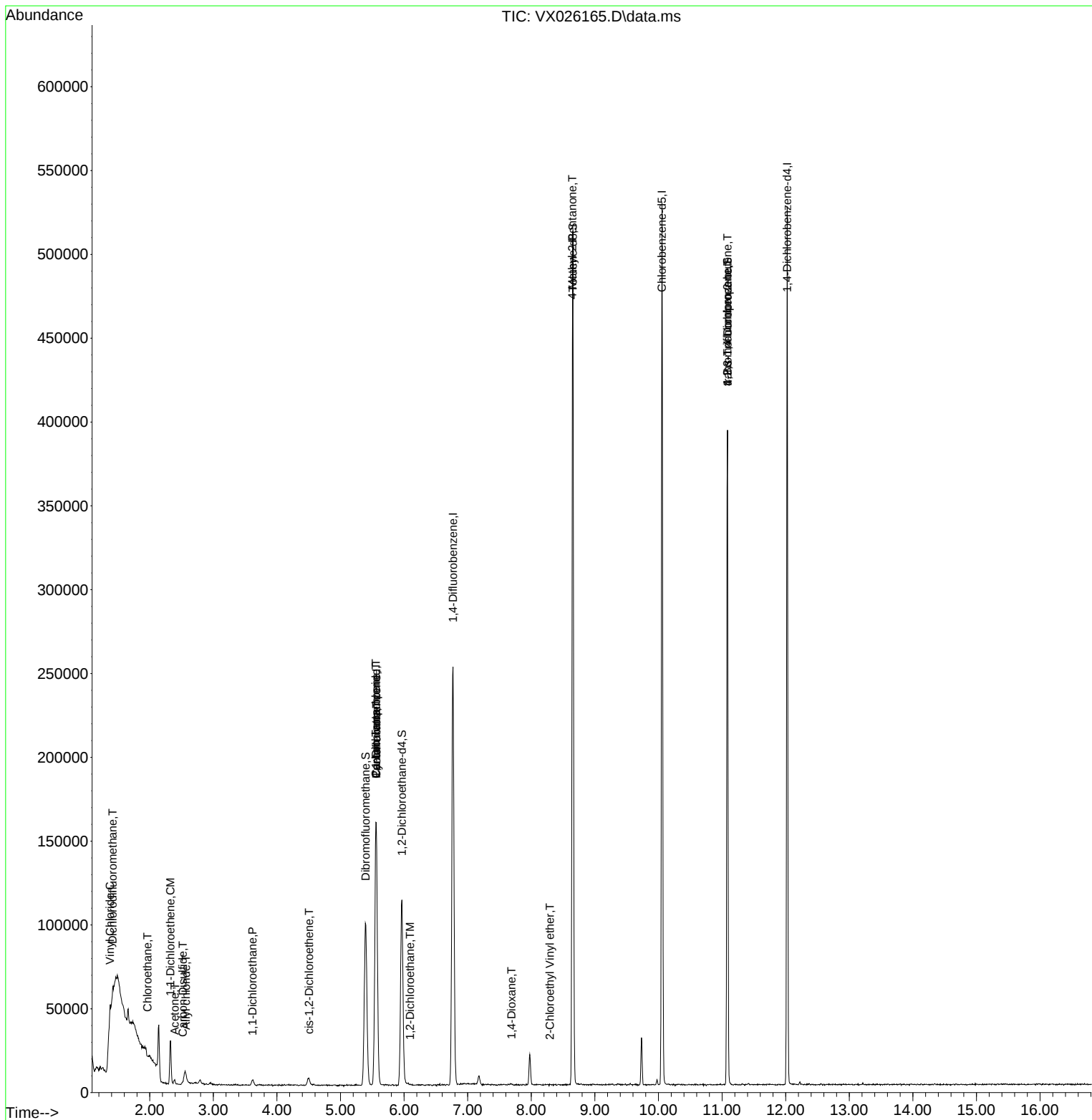
Quant Time: Dec 31 07:08:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	140383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104549	51.478	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.960%
35) Dibromofluoromethane	5.397	113	81216	51.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.400%
50) Toluene-d8	8.653	98	282394	48.324	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.640%
62) 4-Bromofluorobenzene	11.085	95	97124	46.688	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.416	85	691	0.469	ug/l	71
4) Vinyl Chloride	1.374	62	2825	1.564	ug/l #	1
6) Chloroethane	1.965	64	735	0.579	ug/l #	42
12) 1,1-Dichloroethene	2.325	96	7904	5.085	ug/l	80
14) Allyl chloride	2.569	41	1198	0.390	ug/l #	23
16) Acetone	2.392	43	3247	2.951	ug/l	99
17) Carbon Disulfide	2.520	76	2015	0.452	ug/l	99
20) Methylene Chloride	2.800	84	818	Below Cal	#	87
24) 1,1-Dichloroethane	3.617	63	3817	1.201	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	2728	1.414	ug/l	96
31) Cyclohexane	5.562	56	3890	1.345	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	12321	4.862	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15483	5.493	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	595	0.203	ug/l #	74
49) 1,4-Dioxane	7.690	88	414	9.782	ug/l #	70
51) 4-Methyl-2-Pentanone	8.647	43	1573	0.528	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.293	63	46	9.858	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	54399	24.672	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54399	71.378	ug/l #	10

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

Quant Time: Dec 31 07:08:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration

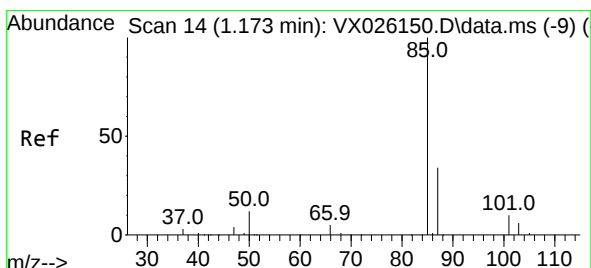
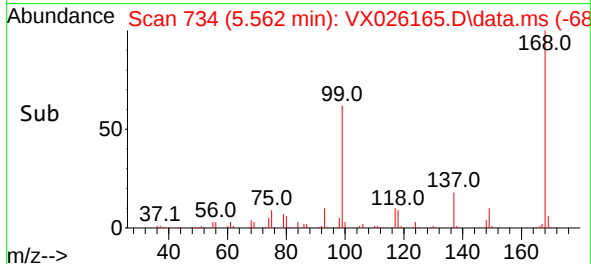
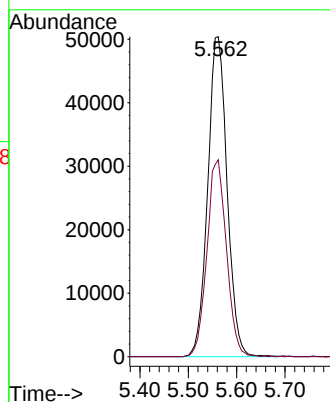
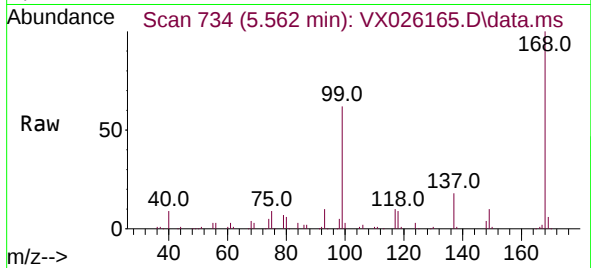




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

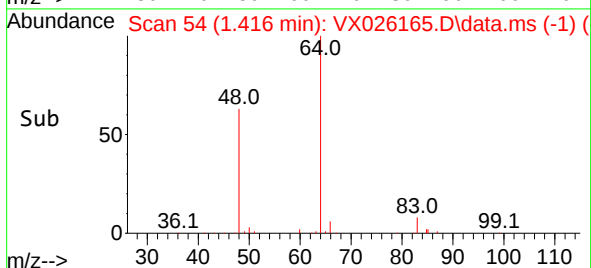
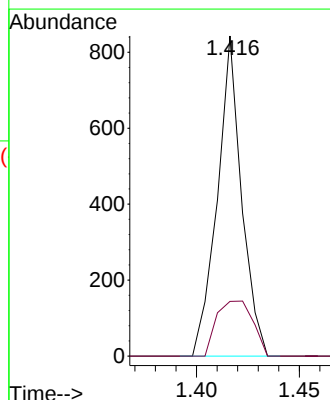
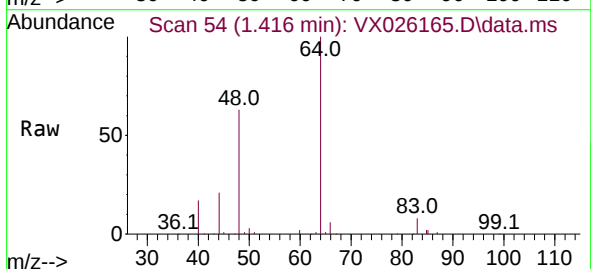
Instrument :
MSVOA_X
ClientSampleId :

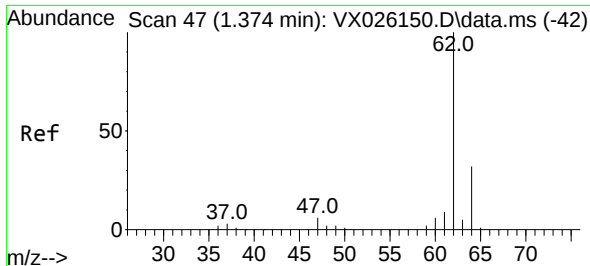
Tgt Ion:168 Resp: 140383
Ion Ratio Lower Upper
168 100
99 61.5 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 0.469 ug/l
RT: 1.416 min Scan# 54
Delta R.T. 0.243 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

Tgt Ion: 85 Resp: 691
Ion Ratio Lower Upper
85 100
87 17.1 17.0 50.9

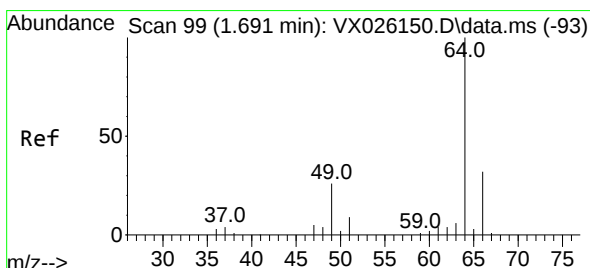
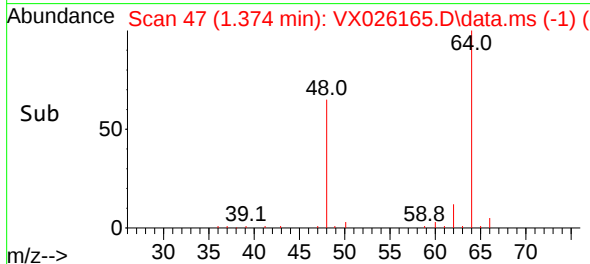
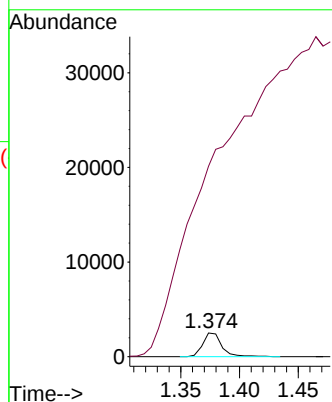
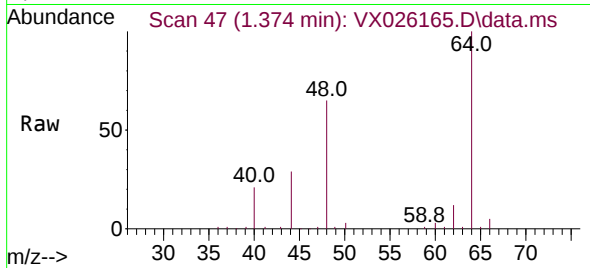




#4
 Vinyl Chloride
 Concen: 1.564 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX026165.D
 Acq: 30 Dec 2021 14:03

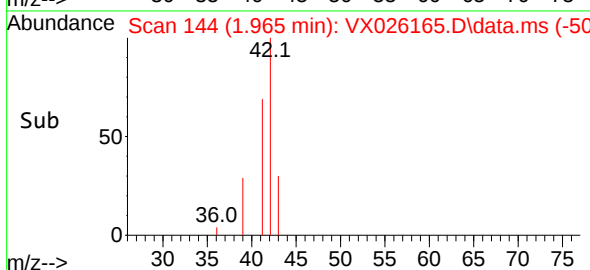
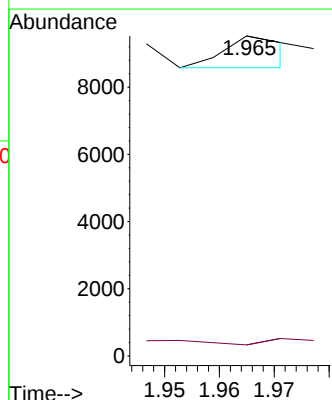
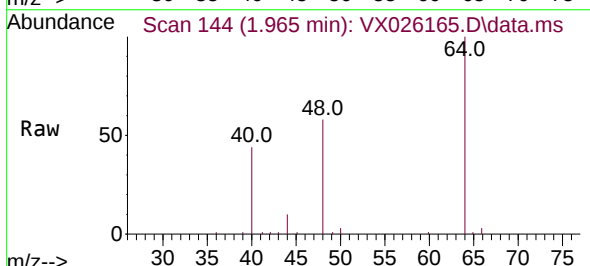
Instrument :
 MSVOA_X
 ClientSampleId :

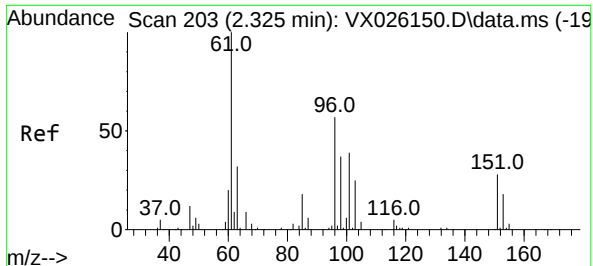
Tgt Ion: 62 Resp: 2825
 Ion Ratio Lower Upper
 62 100
 64 352.2 25.4 38.2#



#6
 Chloroethane
 Concen: 0.579 ug/l
 RT: 1.965 min Scan# 144
 Delta R.T. 0.274 min
 Lab File: VX026165.D
 Acq: 30 Dec 2021 14:03

Tgt Ion: 64 Resp: 735
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.9 38.9#





#12

1,1-Dichloroethene

Concen: 5.085 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

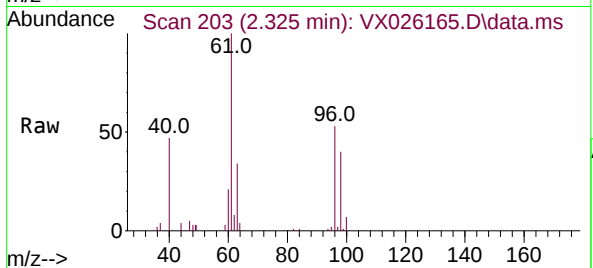
Lab File: VX026165.D

Acq: 30 Dec 2021 14:03

Instrument :

MSVOA_X

ClientSampleId :



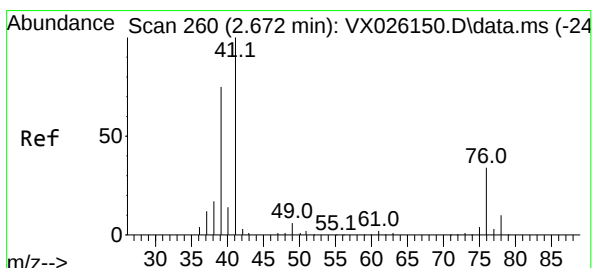
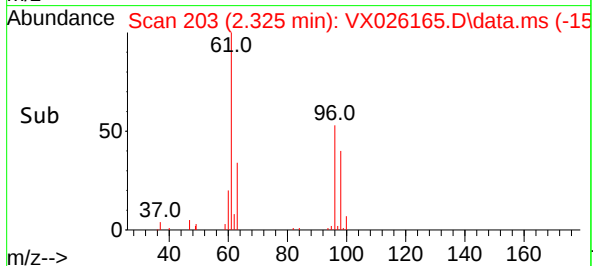
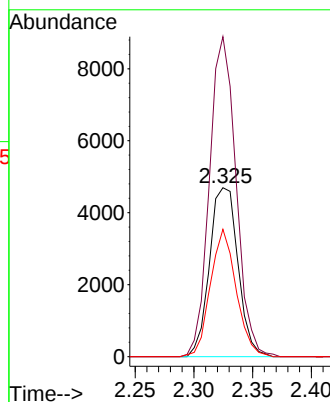
Tgt Ion: 96 Resp: 7904

Ion Ratio Lower Upper

96 100

61 189.4 127.5 191.3

98 75.4 52.0 78.0



#14

Allyl chloride

Concen: 0.390 ug/l

RT: 2.569 min Scan# 243

Delta R.T. -0.103 min

Lab File: VX026165.D

Acq: 30 Dec 2021 14:03

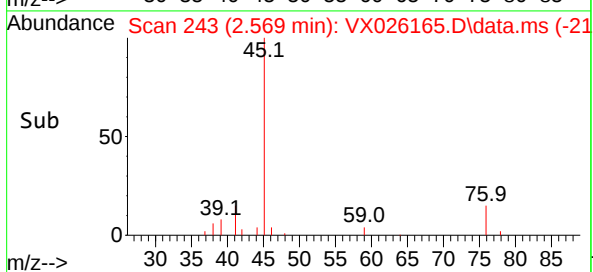
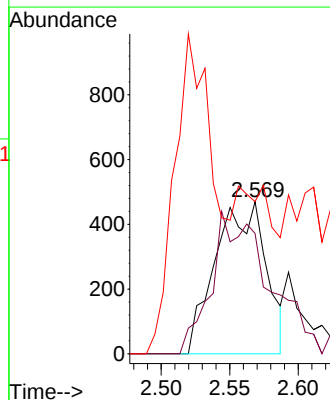
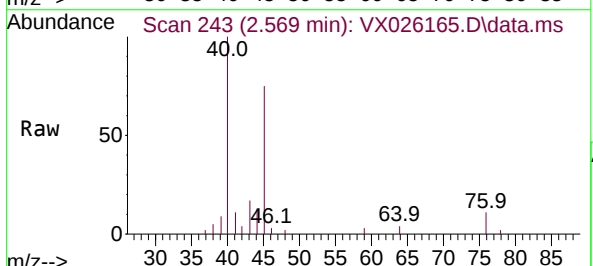
Tgt Ion: 41 Resp: 1198

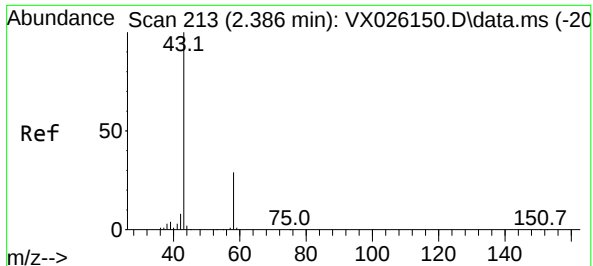
Ion Ratio Lower Upper

41 100

39 0.0 55.4 83.0#

76 0.0 27.6 41.4#

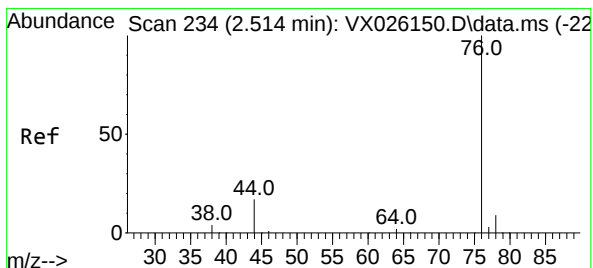
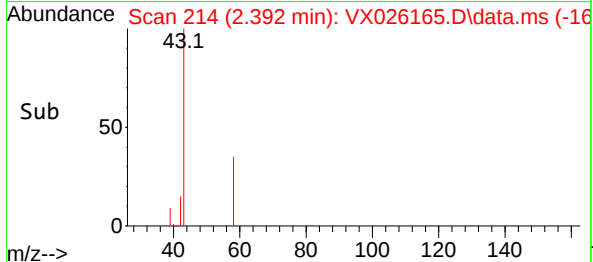
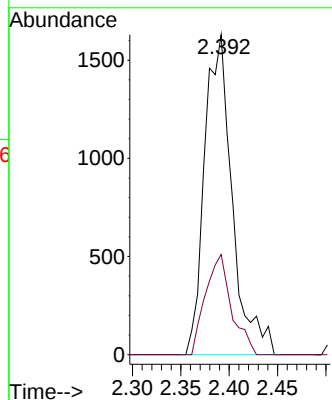
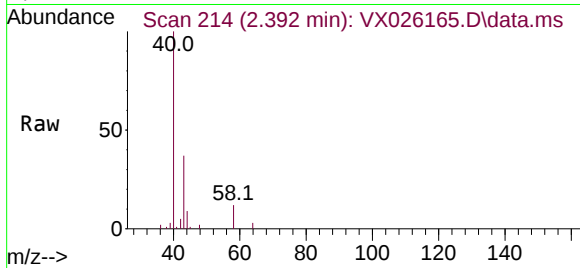




#16
Acetone
Concen: 2.951 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

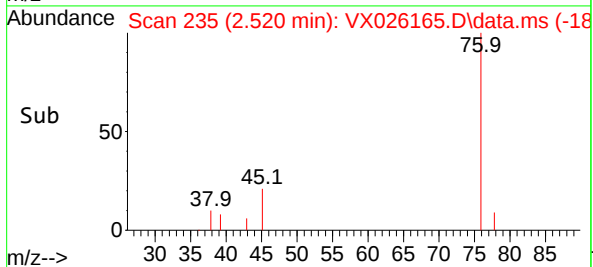
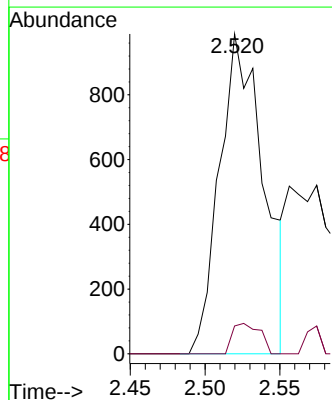
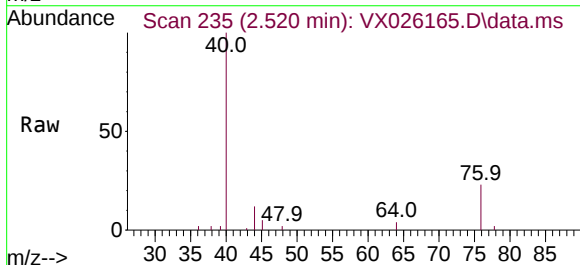
Instrument :
MSVOA_X
ClientSampleId :

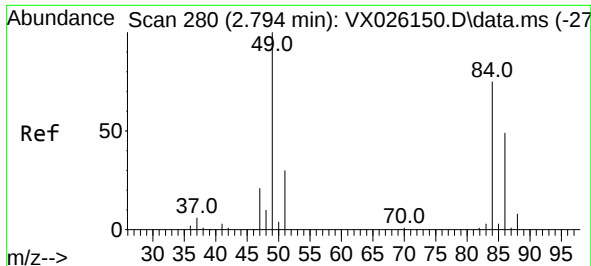
Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2



#17
Carbon Disulfide
Concen: 0.452 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

Tgt Ion: 76 Resp: 2015
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

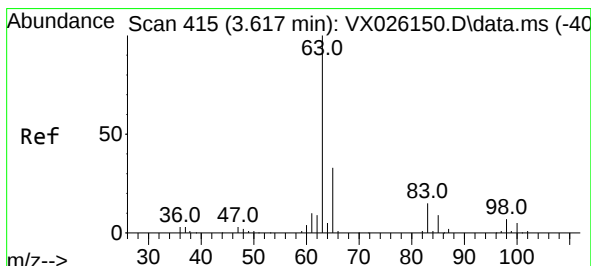
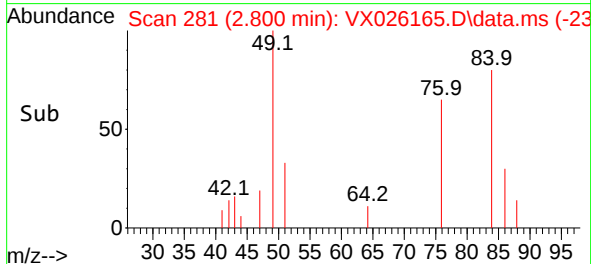
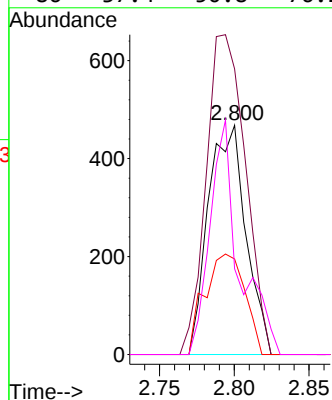
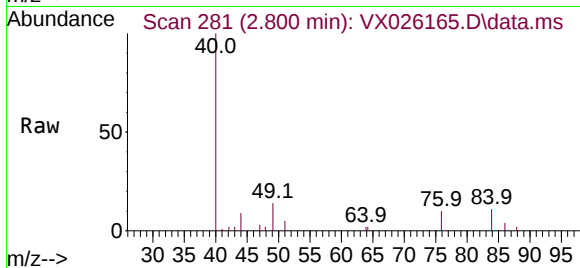




#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

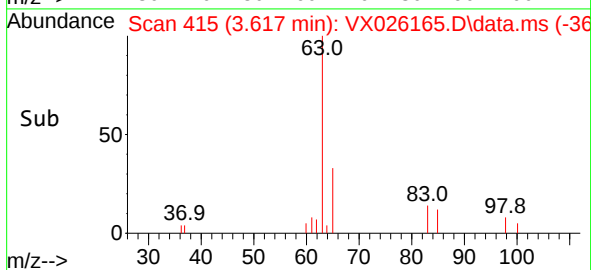
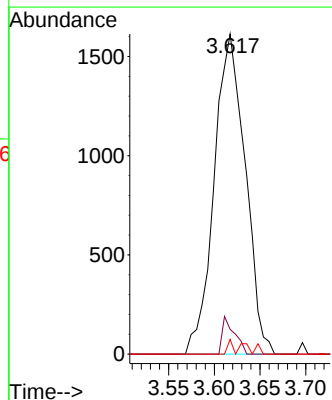
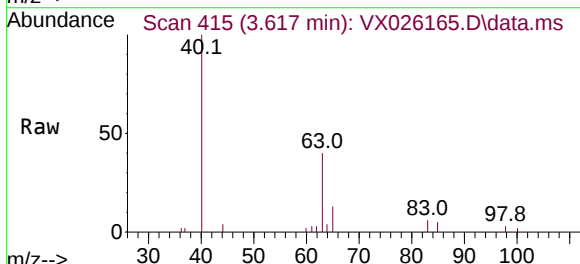
Instrument :
MSVOA_X
ClientSampleId :

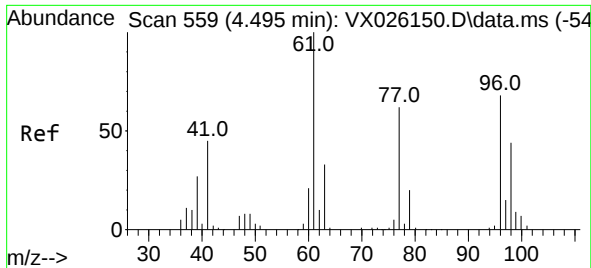
Tgt Ion: 84 Resp: 818
Ion Ratio Lower Upper
84 100
49 124.6 97.1 145.7
51 41.7 29.3 43.9
86 37.4 50.8 76.2#



#24
1,1-Dichloroethane
Concen: 1.201 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

Tgt Ion: 63 Resp: 3817
Ion Ratio Lower Upper
63 100
98 7.7 3.3 9.9
100 4.6 2.2 6.6

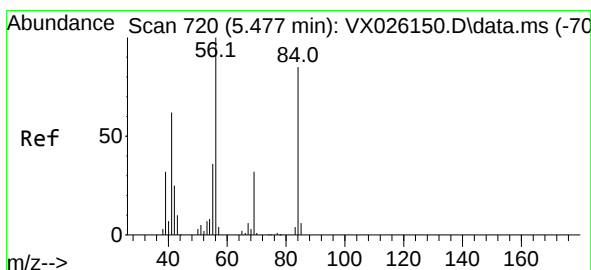
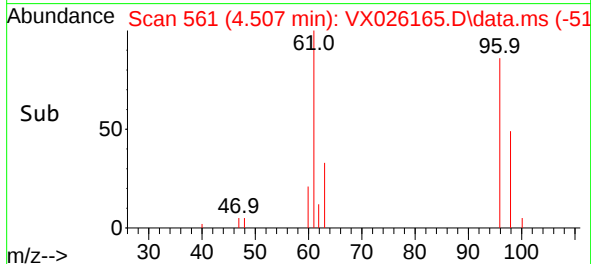
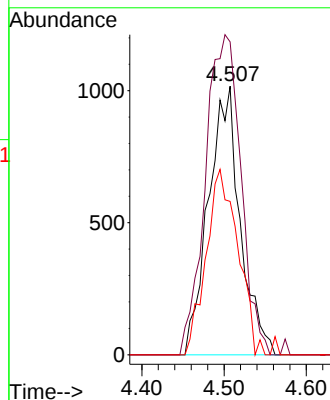
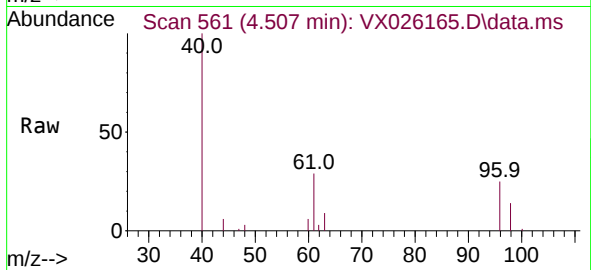




#27
 cis-1,2-Dichloroethene
 Concen: 1.414 ug/l
 RT: 4.507 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX026165.D
 Acq: 30 Dec 2021 14:03

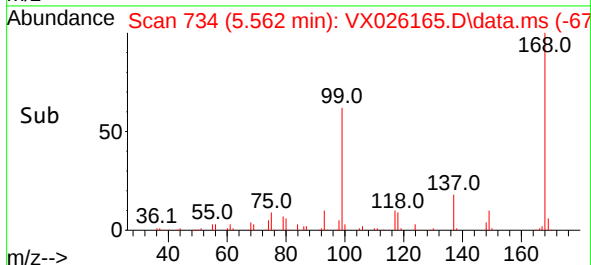
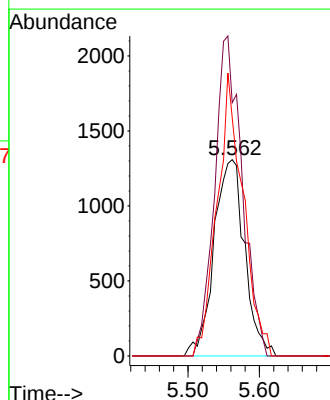
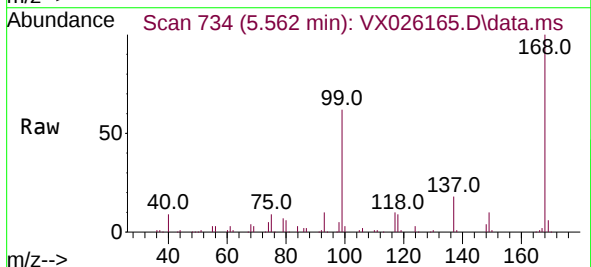
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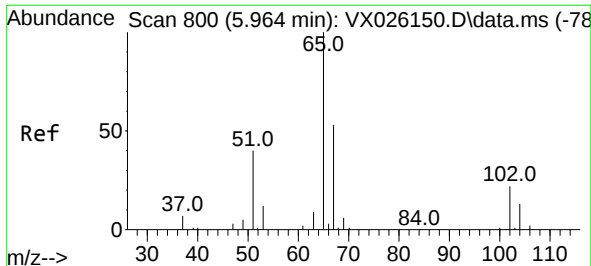
Tgt Ion: 96 Resp: 2728
 Ion Ratio Lower Upper
 96 100
 61 133.4 0.0 276.8
 98 69.1 0.0 130.6



#31
 Cyclohexane
 Concen: 1.345 ug/l
 RT: 5.562 min Scan# 734
 Delta R.T. 0.085 min
 Lab File: VX026165.D
 Acq: 30 Dec 2021 14:03

Tgt Ion: 56 Resp: 3890
 Ion Ratio Lower Upper
 56 100
 69 129.0 23.9 35.9#
 84 121.5 73.2 109.8#

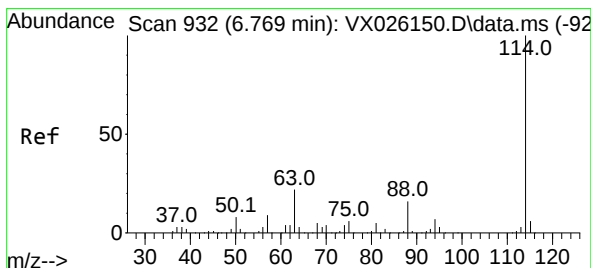
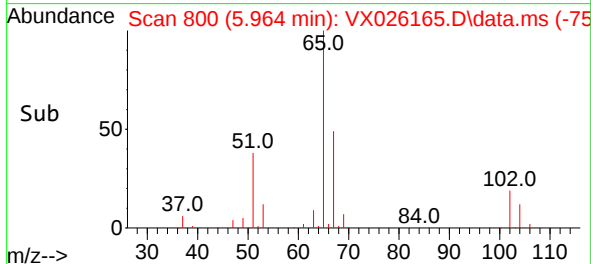
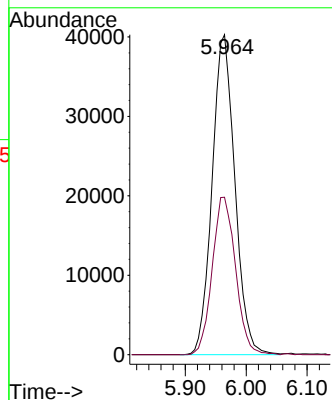
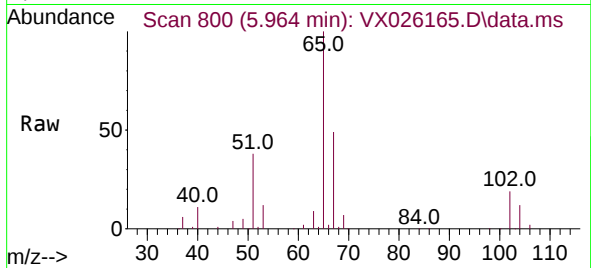




#33
 1,2-Dichloroethane-d4
 Concen: 51.478 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX026165.D
 Acq: 30 Dec 2021 14:03

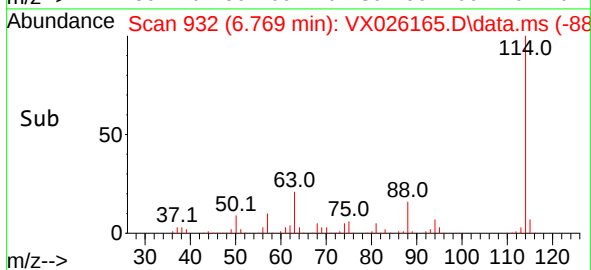
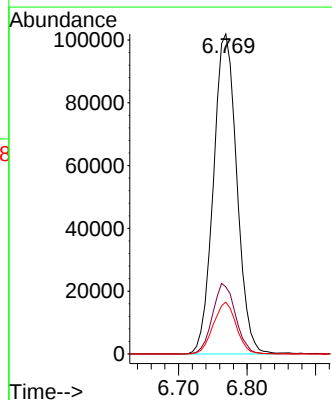
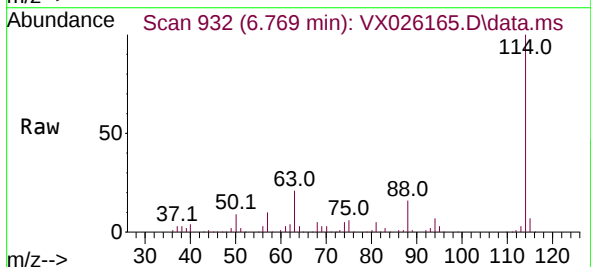
Instrument :
 MSVOA_X
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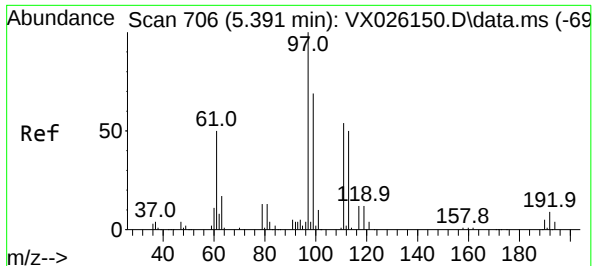
Tgt Ion: 65 Resp: 104549
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX026165.D
 Acq: 30 Dec 2021 14:03

Tgt Ion: 114 Resp: 241652
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.0
 88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.695 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

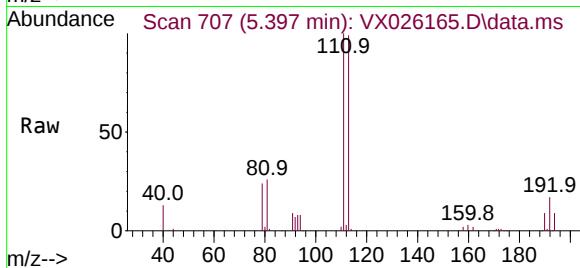
Lab File: VX026165.D

Acq: 30 Dec 2021 14:03

Instrument :

MSVOA_X

ClientSampleId :



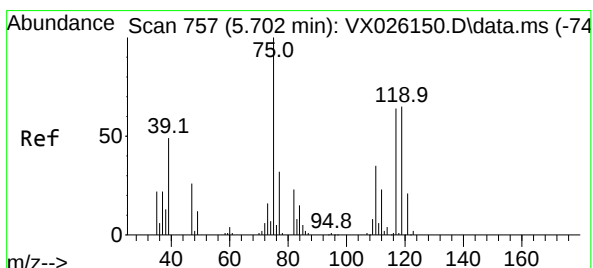
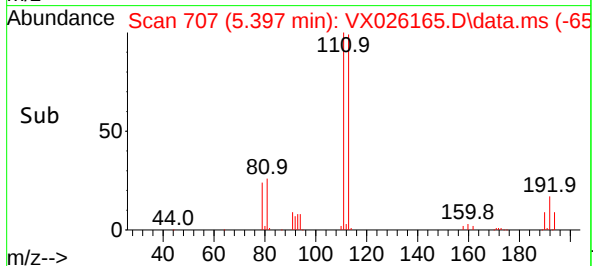
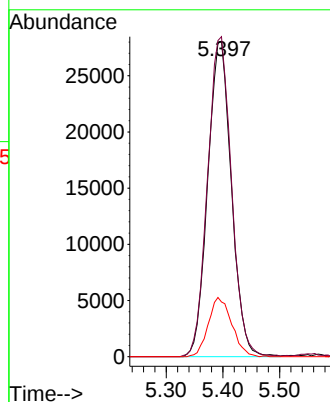
Tgt Ion:113 Resp: 81216

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 18.6 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026165.D

Acq: 30 Dec 2021 14:03

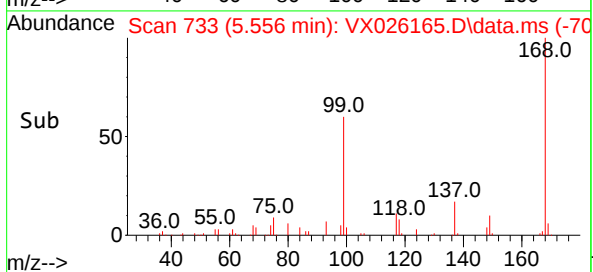
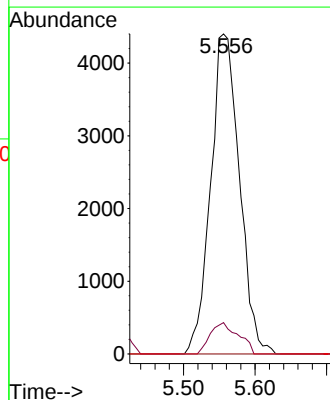
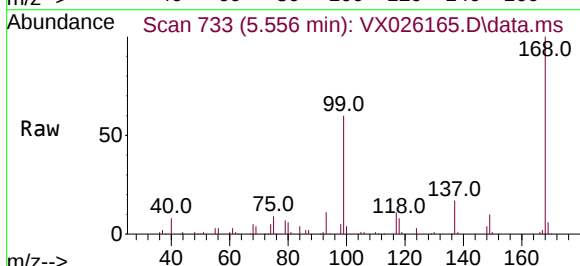
Tgt Ion: 75 Resp: 12321

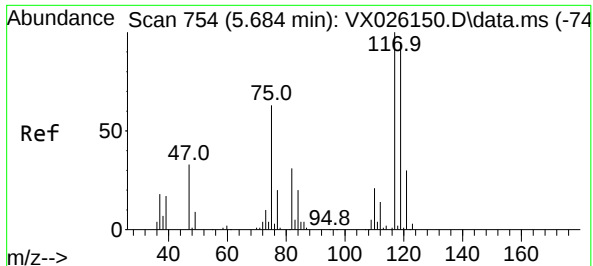
Ion Ratio Lower Upper

75 100

110 9.6 18.2 54.6#

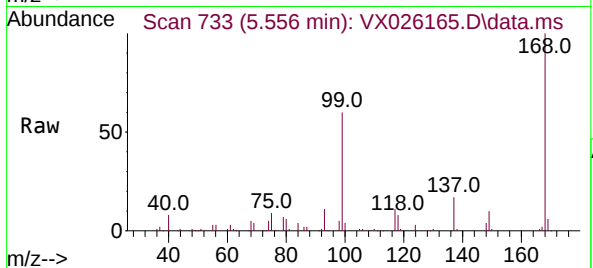
77 0.0 24.7 37.1#



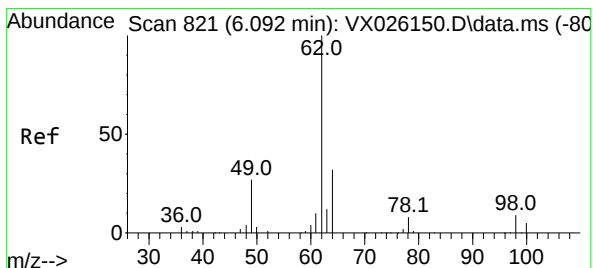
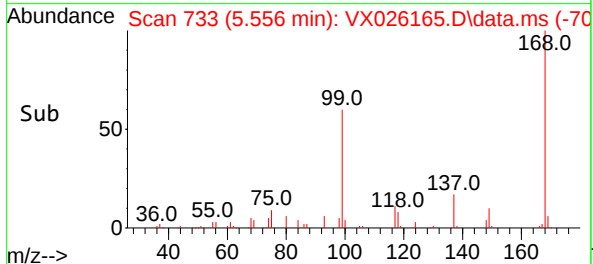
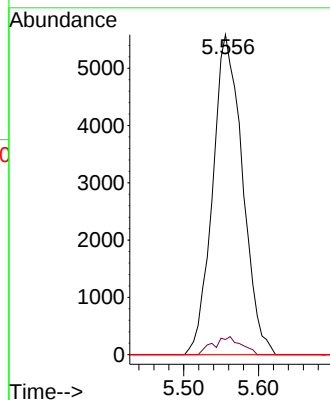


#38
Carbon Tetrachloride
Concen: 5.493 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

Instrument :
MSVOA_X
ClientSampleId :

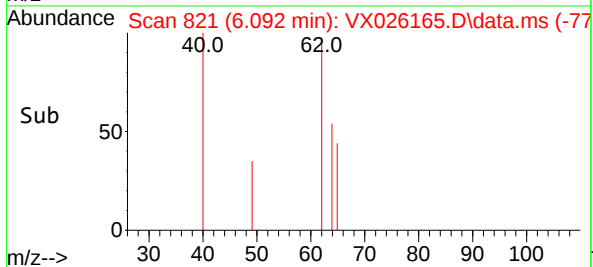
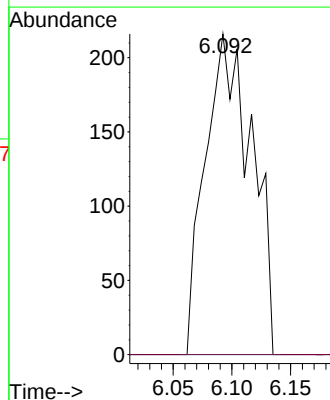
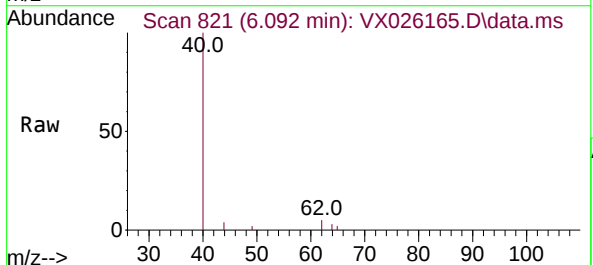


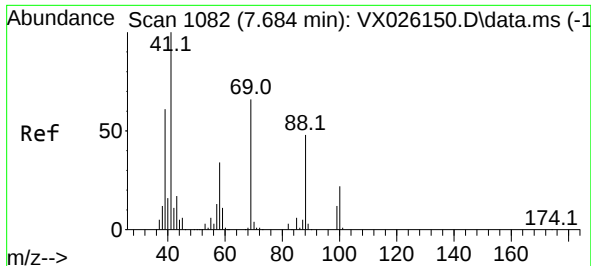
Tgt Ion:117 Resp: 15483
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 0.203 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

Tgt Ion: 62 Resp: 595
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.8





#49

1,4-Dioxane

Concen: 9.782 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.006 min

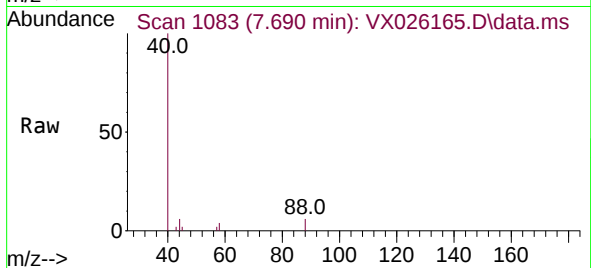
Lab File: VX026165.D

Acq: 30 Dec 2021 14:03

Instrument :

MSVOA_X

ClientSampleId :



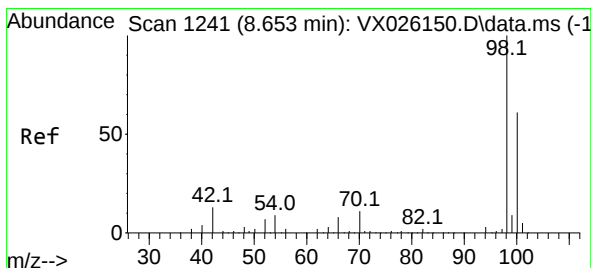
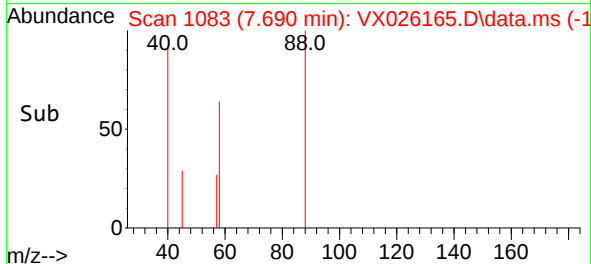
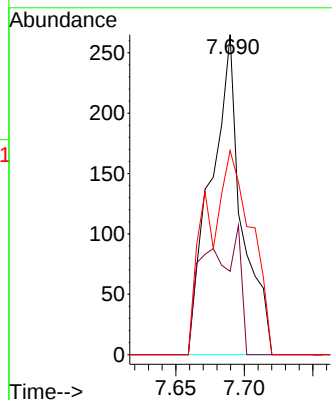
Tgt Ion: 88 Resp: 414

Ion Ratio Lower Upper

88 100

43 44.0 25.3 37.9#

58 91.3 51.8 77.6#



#50

Toluene-d8

Concen: 48.324 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026165.D

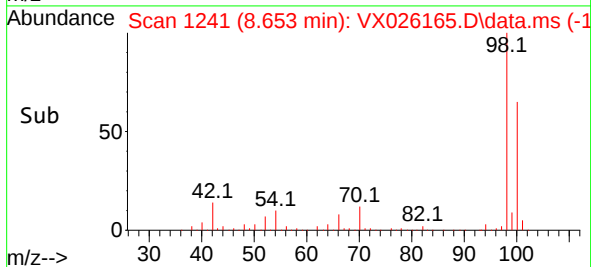
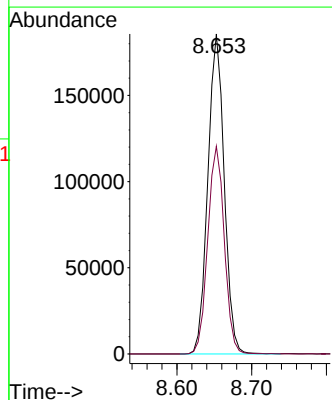
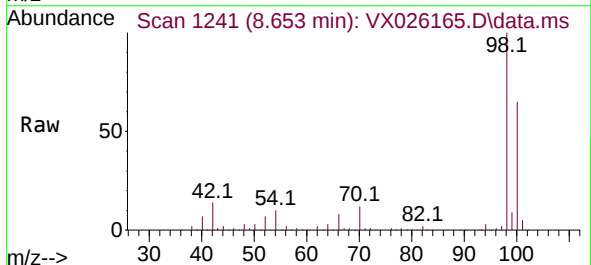
Acq: 30 Dec 2021 14:03

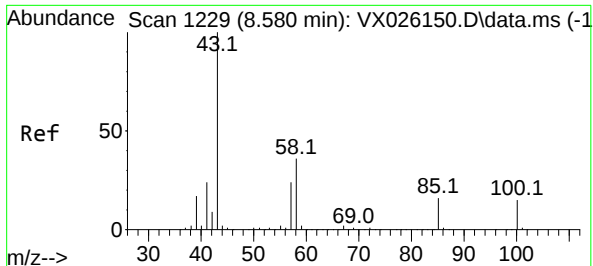
Tgt Ion: 98 Resp: 282394

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.528 ug/l

RT: 8.647 min Scan# 1182

Delta R.T. 0.067 min

Lab File: VX026165.D

Acq: 30 Dec 2021 14:03

Instrument :

MSVOA_X

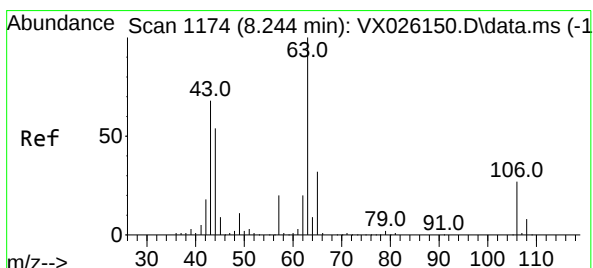
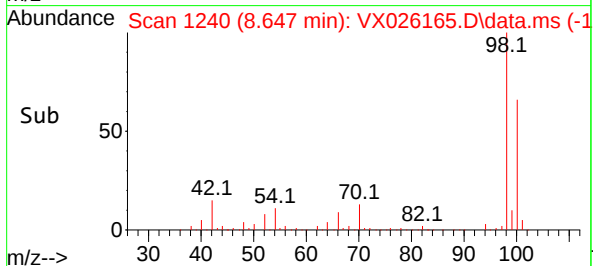
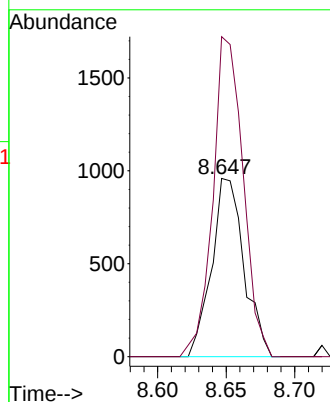
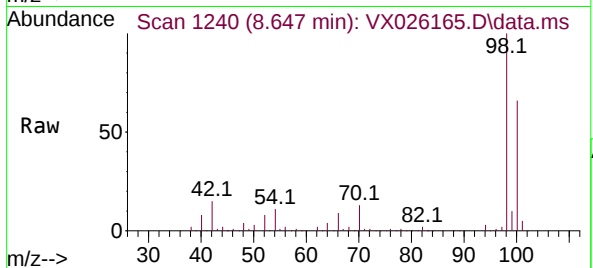
ClientSampleId :

Tgt Ion: 43 Resp: 1573

Ion Ratio Lower Upper

43 100

58 167.8 30.8 46.2#



#58

2-Chloroethyl Vinyl ether

Concen: 9.858 ug/l

RT: 8.293 min Scan# 1182

Delta R.T. 0.049 min

Lab File: VX026165.D

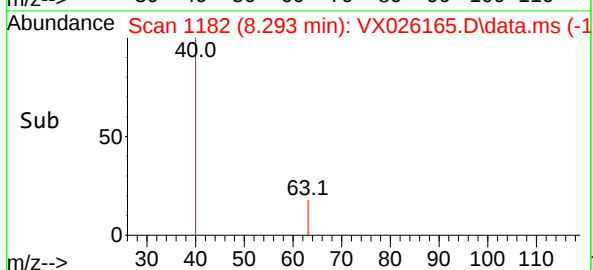
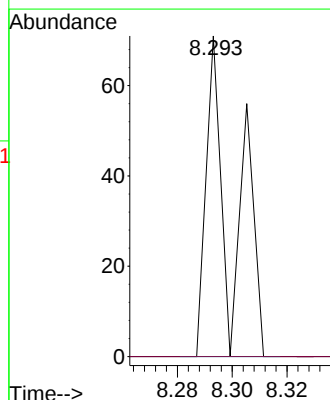
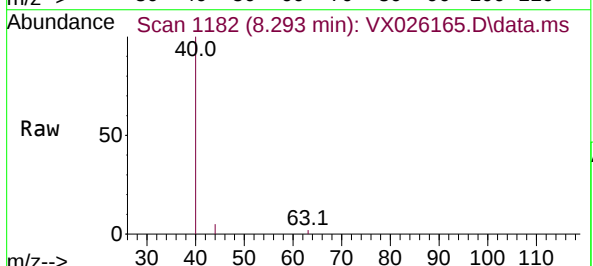
Acq: 30 Dec 2021 14:03

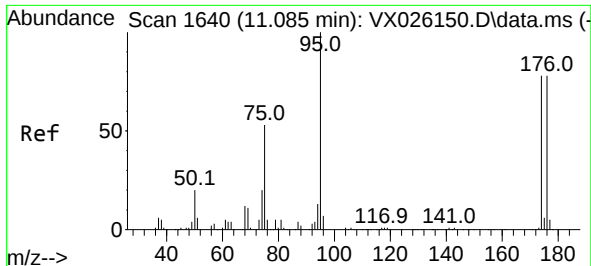
Tgt Ion: 63 Resp: 46

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#

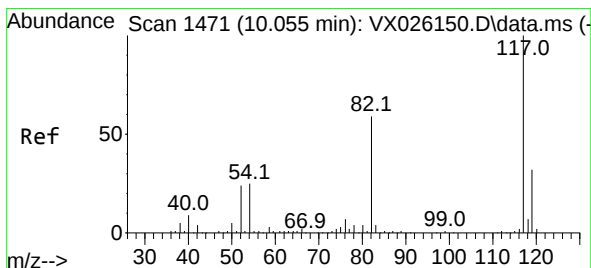
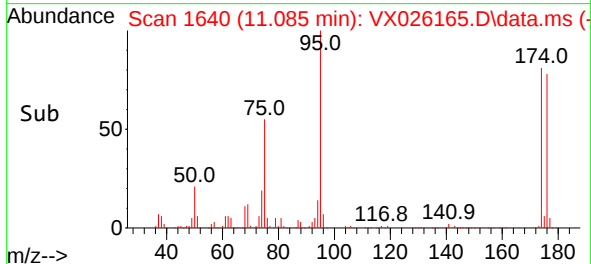
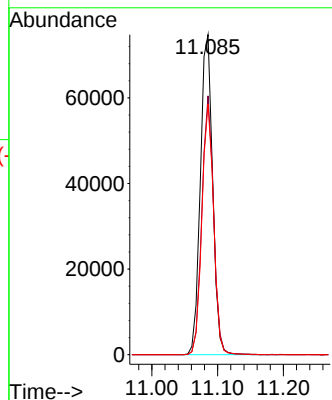
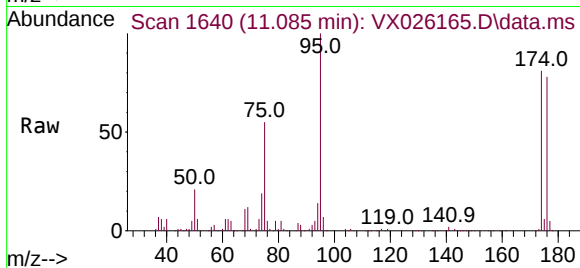




#62
4-Bromofluorobenzene
Concen: 46.688 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

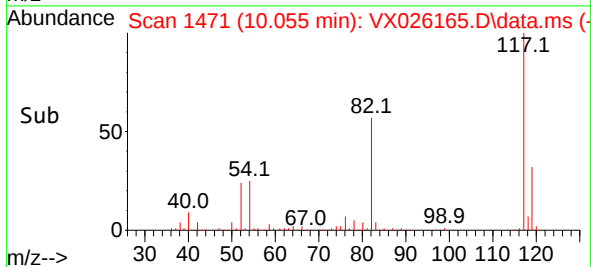
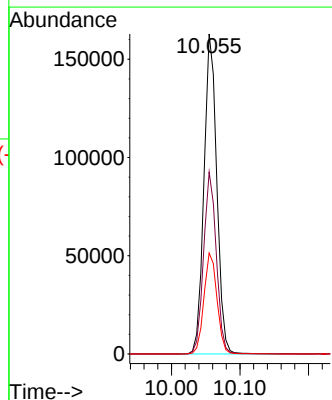
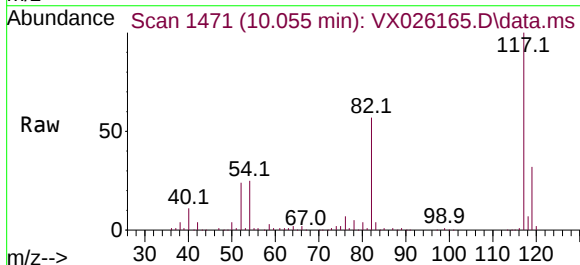
Instrument :
MSVOA_X
ClientSampleId :

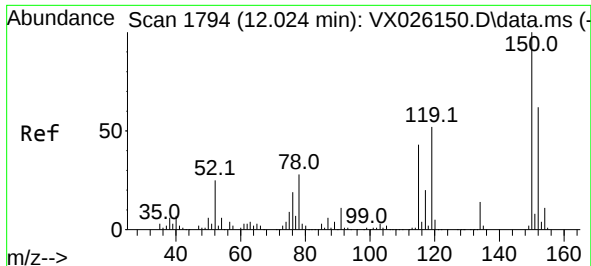
Tgt Ion: 95 Resp: 97124
Ion Ratio Lower Upper
95 100
174 77.0 0.0 157.4
176 75.0 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026165.D
Acq: 30 Dec 2021 14:03

Tgt Ion: 117 Resp: 212314
Ion Ratio Lower Upper
117 100
82 56.9 43.8 65.6
119 31.6 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026165.D

Acq: 30 Dec 2021 14:03

Instrument :

MSVOA_X

ClientSampleId :

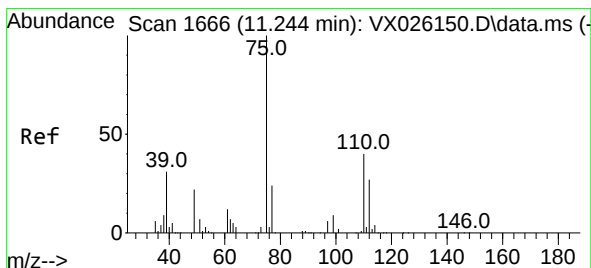
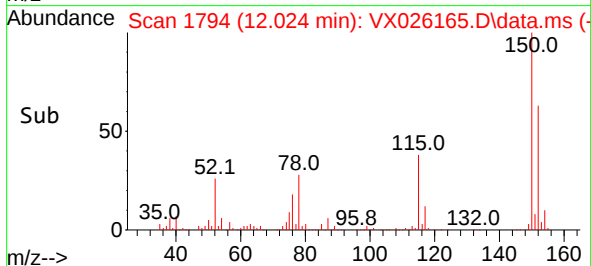
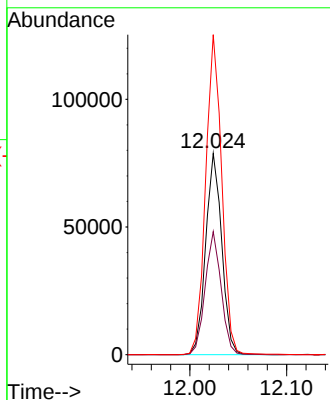
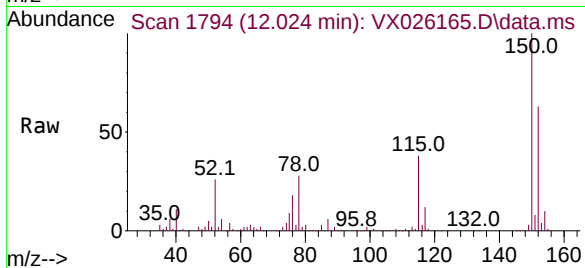
Tgt Ion:152 Resp: 91345

Ion Ratio Lower Upper

152 100

115 60.7 41.3 123.9

150 158.8 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 24.672 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX026165.D

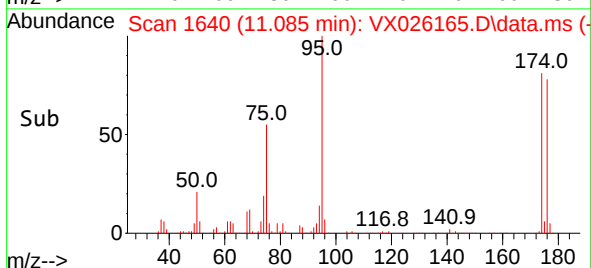
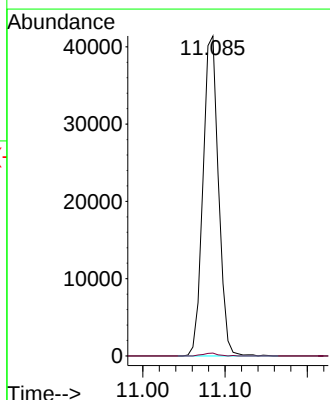
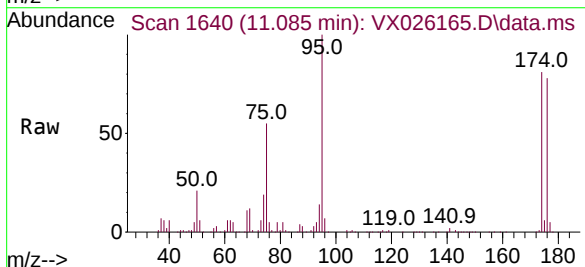
Acq: 30 Dec 2021 14:03

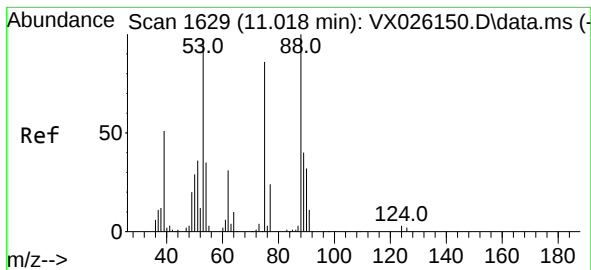
Tgt Ion: 75 Resp: 54399

Ion Ratio Lower Upper

75 100

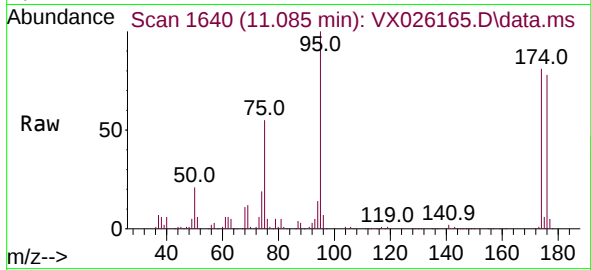
77 0.9 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.378 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX026165.D
 Acq: 30 Dec 2021 14:03

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 54399
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.5 38.3 57.5#

