

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026205.D
 Acq On : 31 Dec 2021 06:21
 Operator : JC/MD
 Sample : PB141758ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758ZHE#06

Quant Time: Dec 31 21:37:18 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)

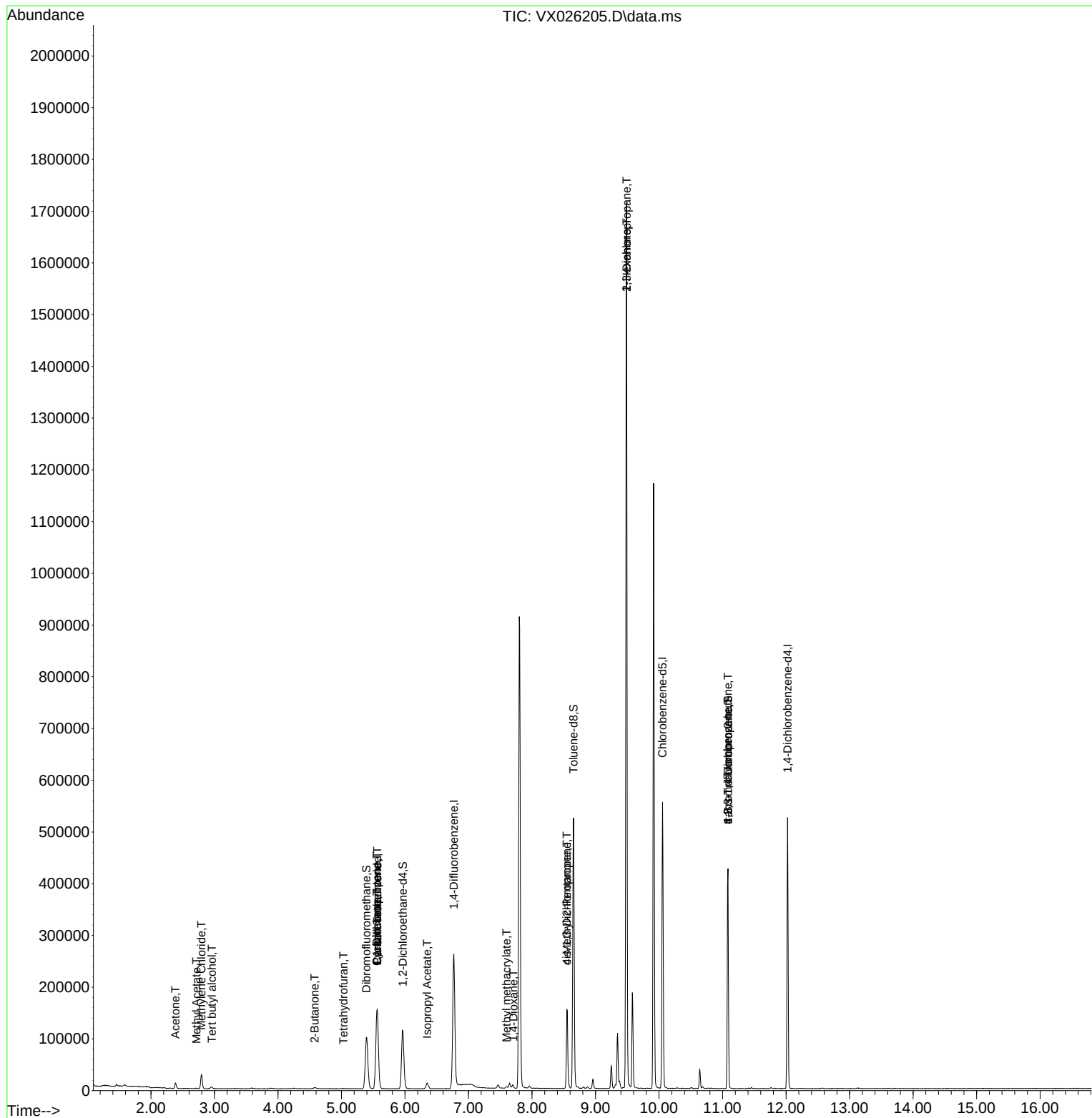
Internal Standards						
1) Pentafluorobenzene	5.562	168	138169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	240844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108882	54.471	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.940%	
35) Dibromofluoromethane	5.391	113	83004	53.010	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.020%	
50) Toluene-d8	8.653	98	292472	50.217	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.440%	
62) 4-Bromofluorobenzene	11.085	95	103218	49.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	2266	5.676	ug/l #	73
16) Acetone	2.385	43	11545	10.660	ug/l	92
18) Methyl Acetate	2.715	43	1632	0.465	ug/l #	71
20) Methylene Chloride	2.794	84	11391	5.741	ug/l	89
25) 2-Butanone	4.574	43	3258	2.160	ug/l	93
29) Tetrahydrofuran	5.031	42	284	0.299	ug/l #	58
31) Cyclohexane	5.556	56	3682	1.293	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	12151	4.811	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14924	5.312	ug/l #	16
43) Isopropyl Acetate	6.348	43	15346	3.216	ug/l	94
48) Methyl methacrylate	7.598	41	4781	2.089	ug/l #	12
49) 1,4-Dioxane	7.708	88	20	0.474	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55509	18.690	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	21639	7.359	ug/l #	73
57) 1,3-Dichloropropane	9.488	76	13675	4.378	ug/l #	42
59) 2-Hexanone	9.488	43	210846	93.723	ug/l #	49
76) 1,2,3-Trichloropropane	11.085	75	57900	24.755	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57900	71.618	ug/l #	10

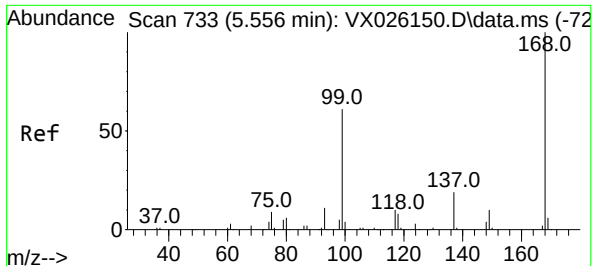
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

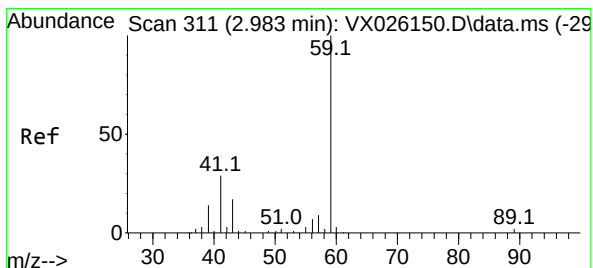
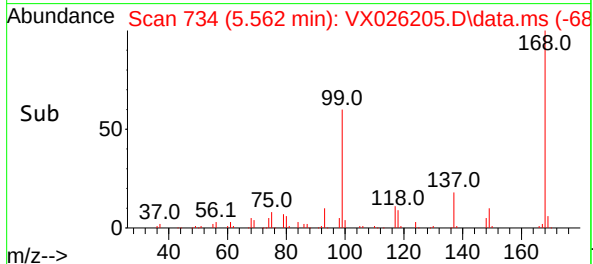
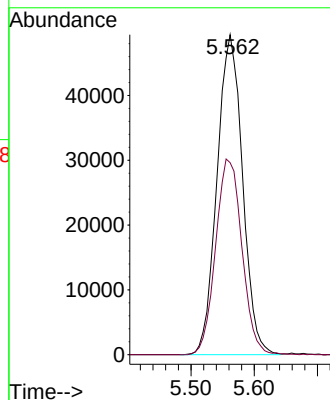
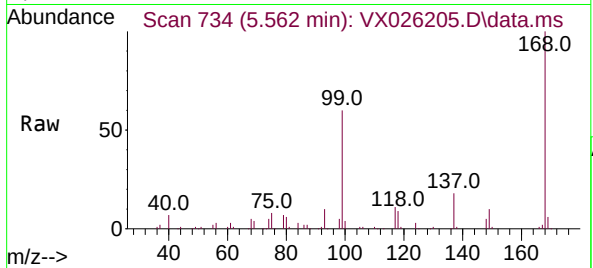




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

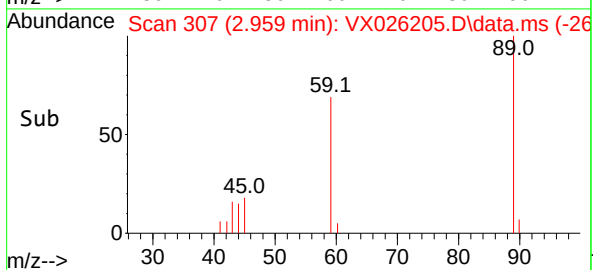
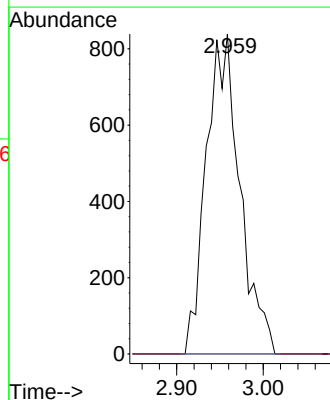
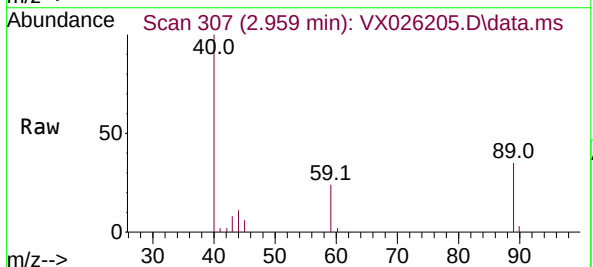
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

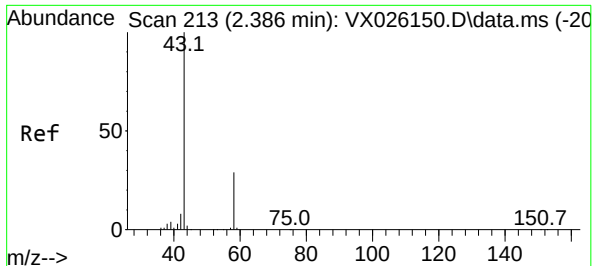
Tgt Ion:168 Resp: 138169
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.8



#11
Tert butyl alcohol
Concen: 5.676 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Tgt Ion: 59 Resp: 2266
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

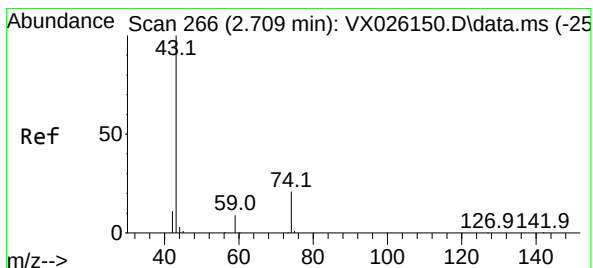
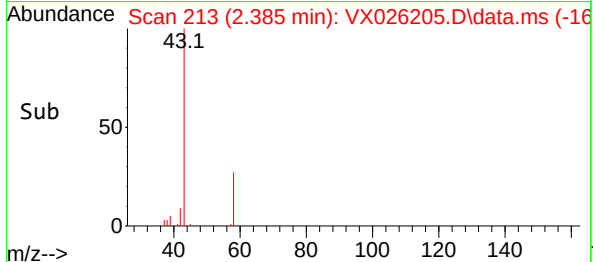
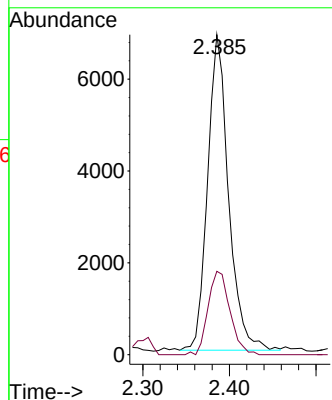
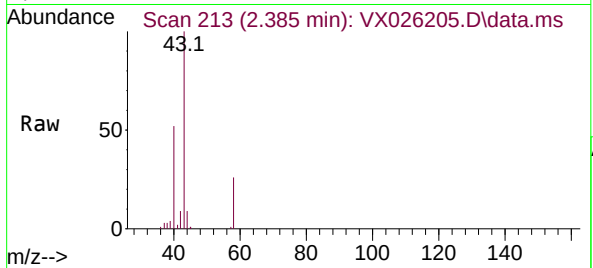




#16
Acetone
Concen: 10.660 ug/l
RT: 2.385 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

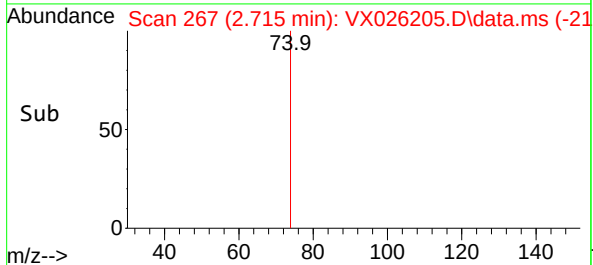
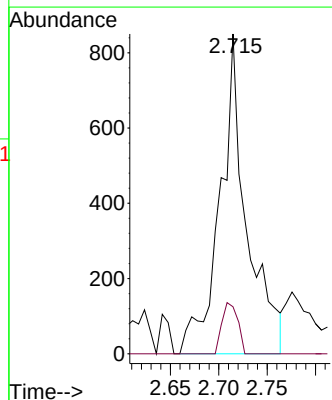
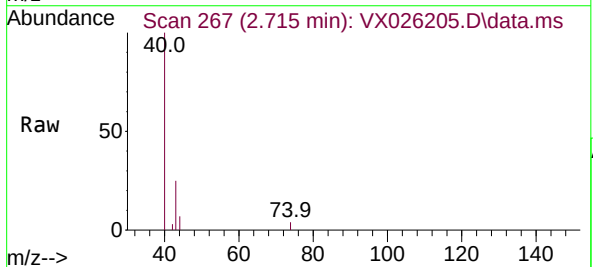
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

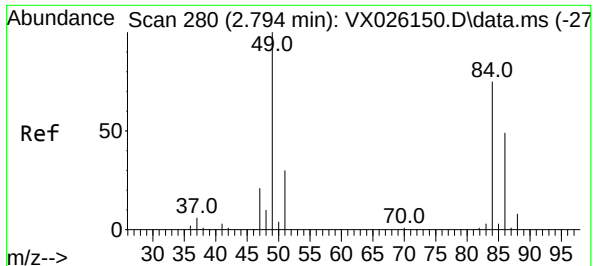
Tgt Ion: 43 Resp: 11545
Ion Ratio Lower Upper
43 100
58 26.4 24.8 37.2



#18
Methyl Acetate
Concen: 0.465 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

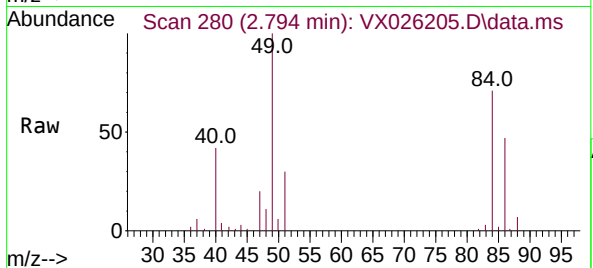
Tgt Ion: 43 Resp: 1632
Ion Ratio Lower Upper
43 100
74 9.4 19.1 28.7#



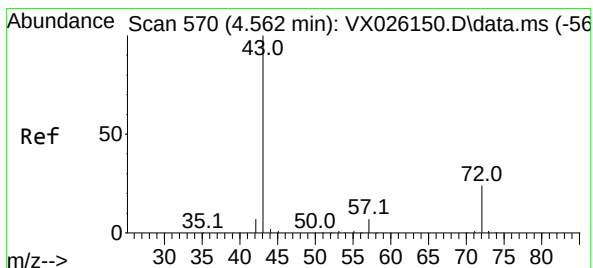
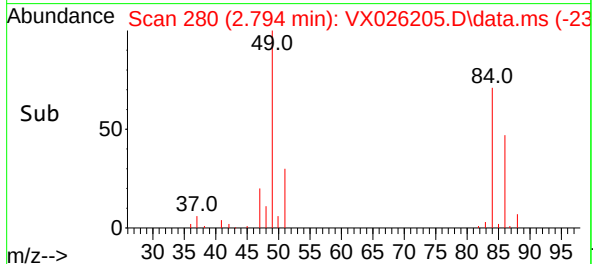
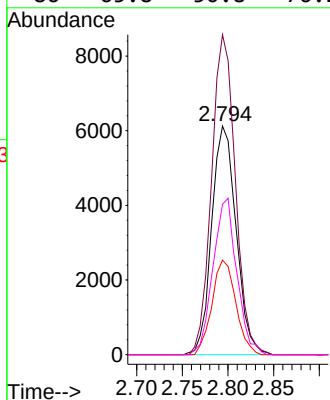


#20
Methylene Chloride
Concen: 5.741 ug/l
RT: 2.794 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

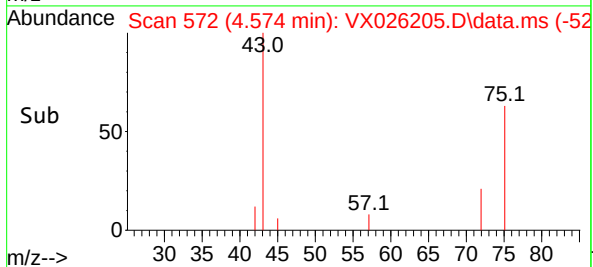
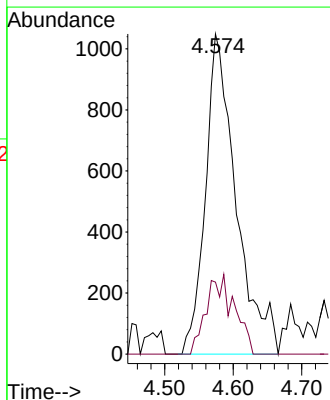
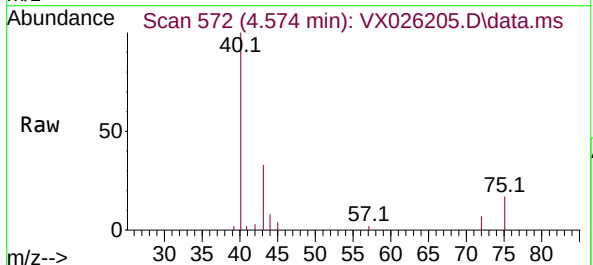


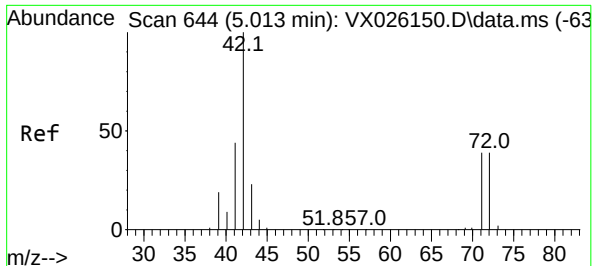
Tgt Ion:	84	Resp:	11391
Ion	Ratio	Lower	Upper
84	100		
49	139.9	97.1	145.7
51	41.3	29.3	43.9
86	65.8	50.8	76.2



#25
2-Butanone
Concen: 2.160 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Tgt Ion:	43	Resp:	3258
Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.299 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX026205.D

Acq: 31 Dec 2021 06:21

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#06

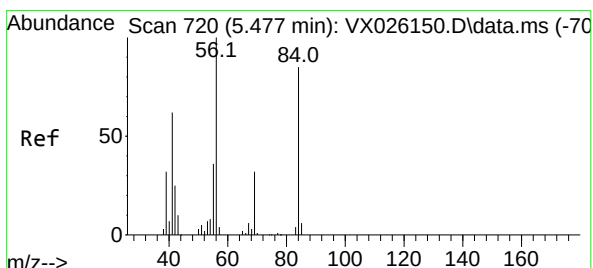
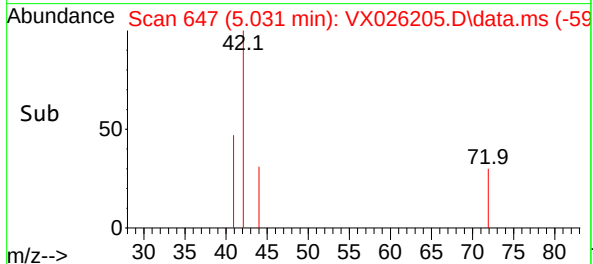
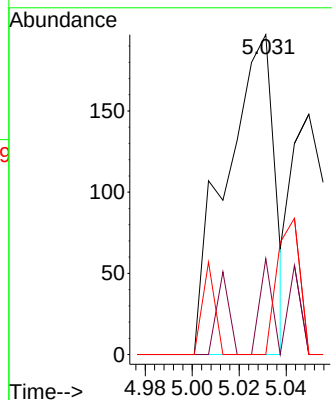
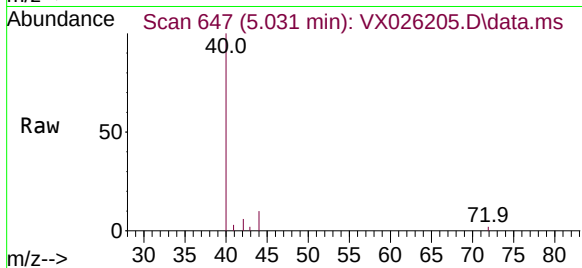
Tgt Ion: 42 Resp: 284

Ion Ratio Lower Upper

42 100

72 14.8 37.0 55.6#

71 19.7 34.1 51.1#



#31

Cyclohexane

Concen: 1.293 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026205.D

Acq: 31 Dec 2021 06:21

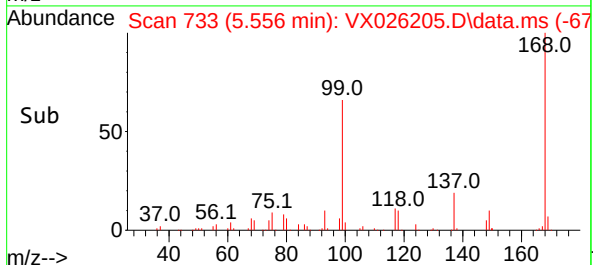
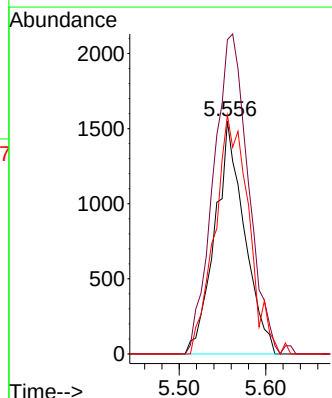
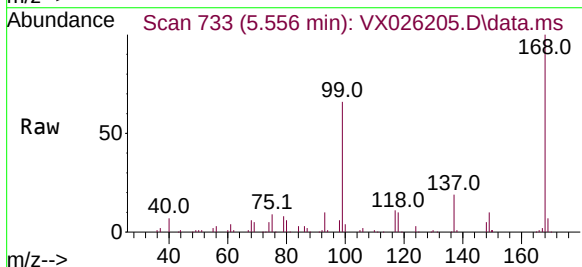
Tgt Ion: 56 Resp: 3682

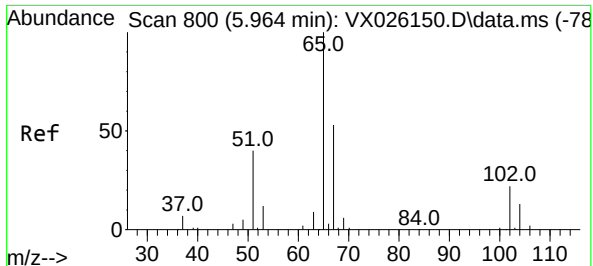
Ion Ratio Lower Upper

56 100

69 134.9 23.9 35.9#

84 102.5 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 54.471 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026205.D

Acq: 31 Dec 2021 06:21

Instrument :

MSVOA_X

ClientSampleId :

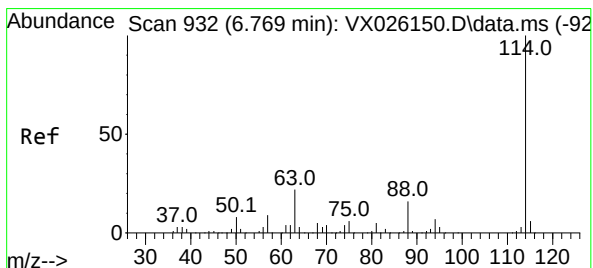
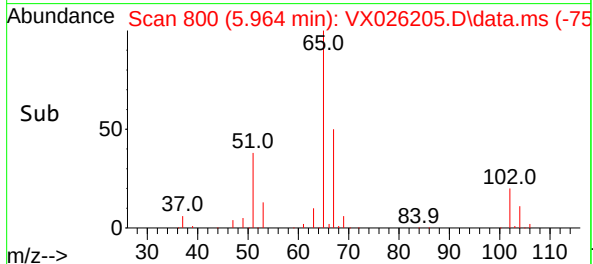
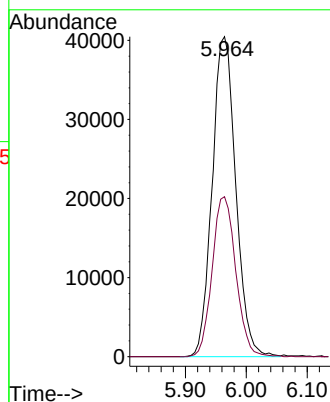
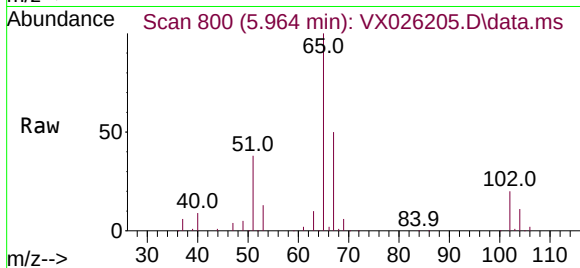
PB141758ZHE#06

Tgt Ion: 65 Resp: 108882

Ion Ratio Lower Upper

65 100

67 50.1 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: VX026205.D

Acq: 31 Dec 2021 06:21

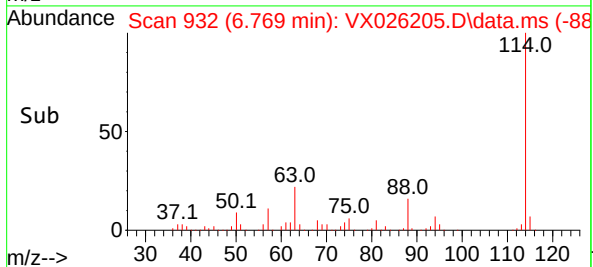
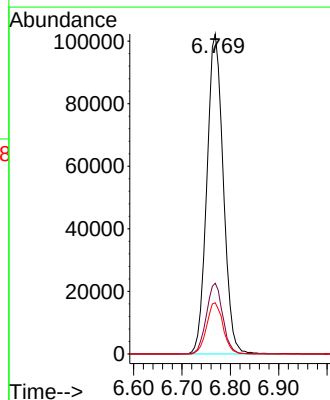
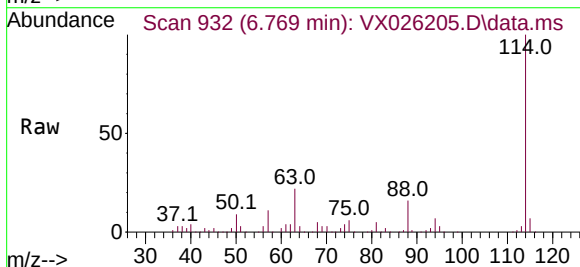
Tgt Ion: 114 Resp: 240844

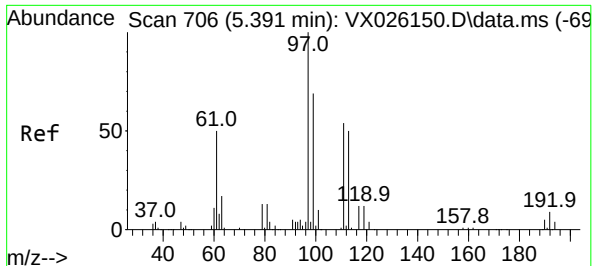
Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.0

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.010 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026205.D

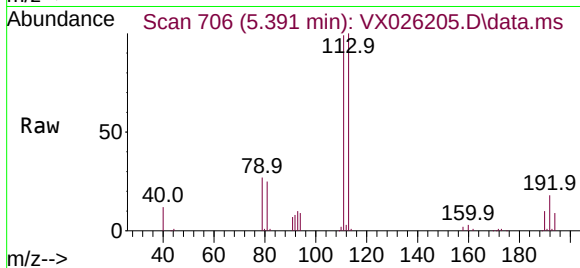
Acq: 31 Dec 2021 06:21

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#06



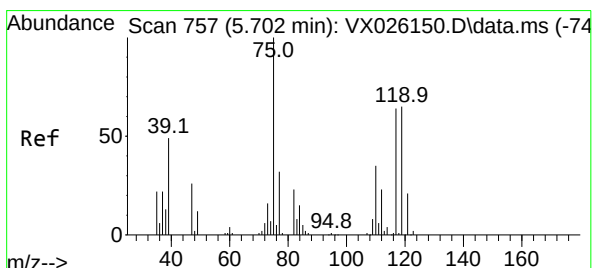
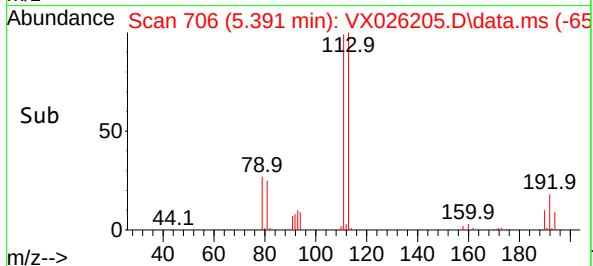
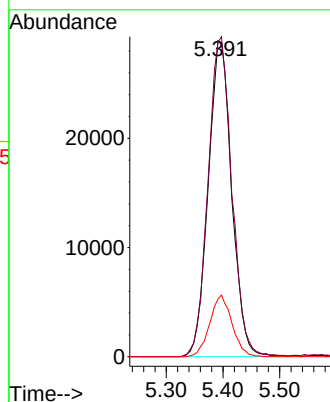
Tgt Ion:113 Resp: 83004

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026205.D

Acq: 31 Dec 2021 06:21

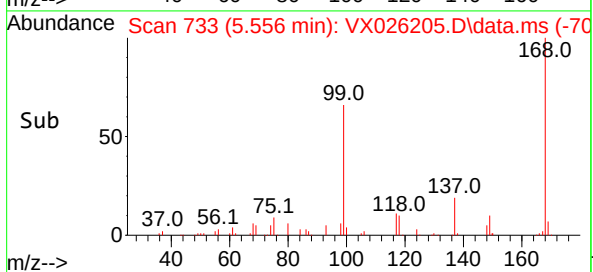
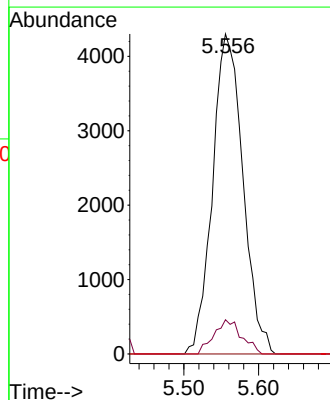
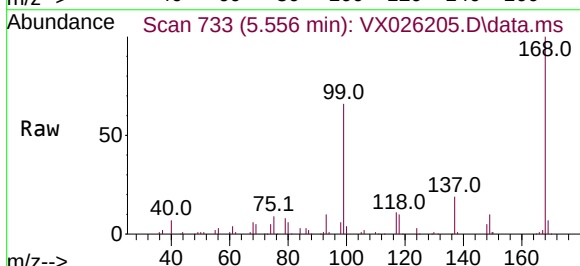
Tgt Ion: 75 Resp: 12151

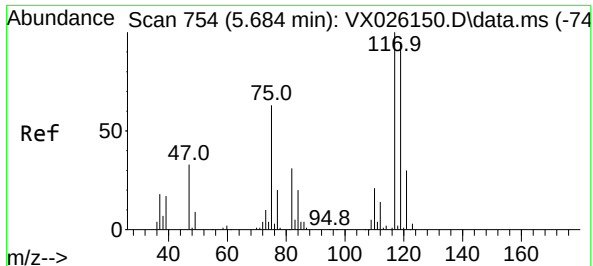
Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

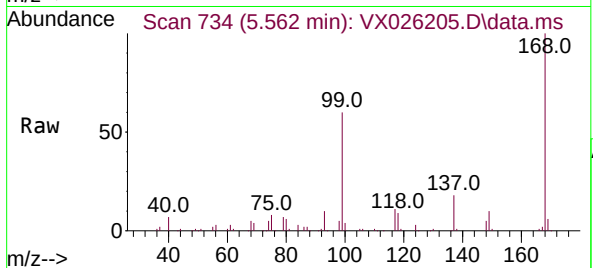
77 0.0 24.7 37.1#



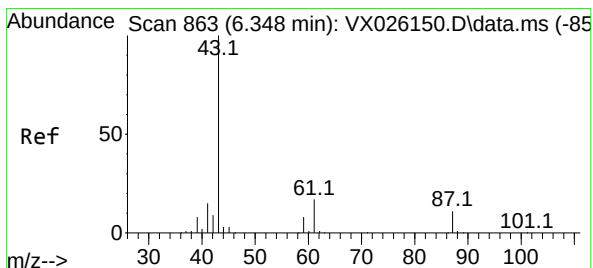
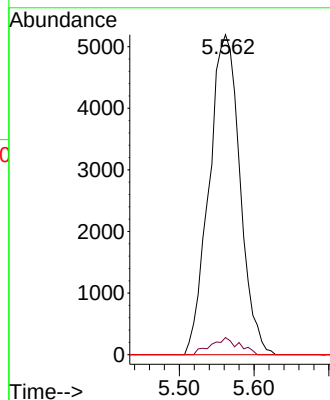
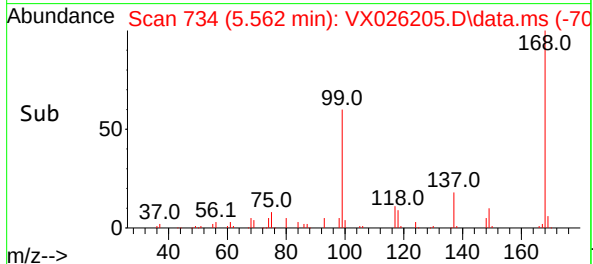


#38
Carbon Tetrachloride
Concen: 5.312 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

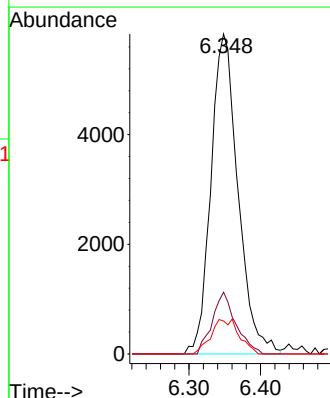
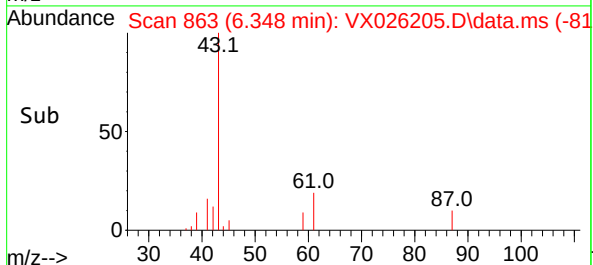
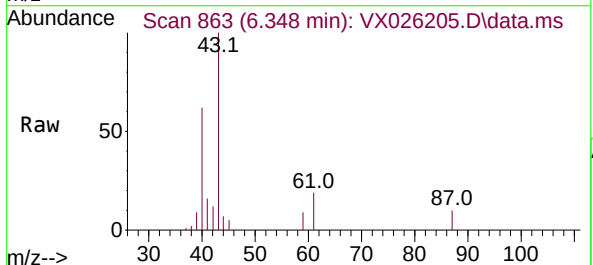


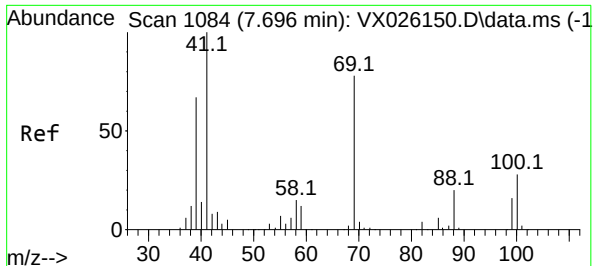
Tgt Ion:117 Resp: 14924
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.216 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Tgt Ion: 43 Resp: 15346
Ion Ratio Lower Upper
43 100
61 16.8 15.7 23.5
87 11.2 11.2 16.8

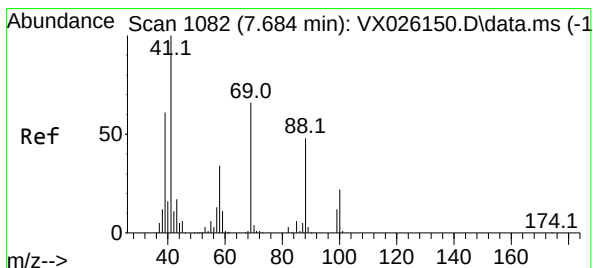
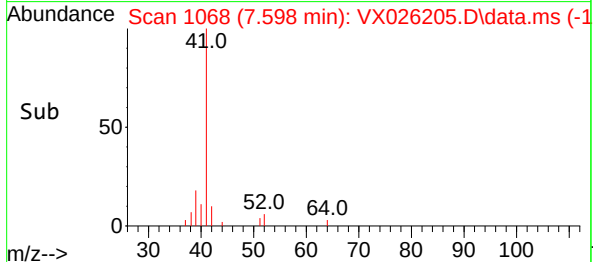
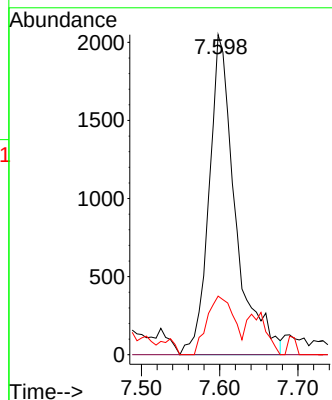
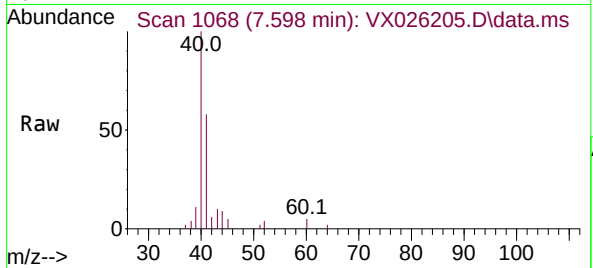




#48
Methyl methacrylate
Concen: 2.089 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

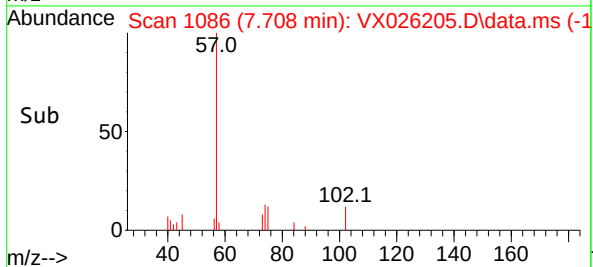
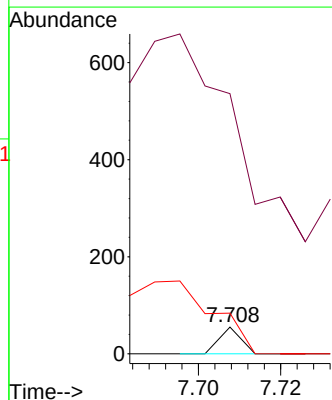
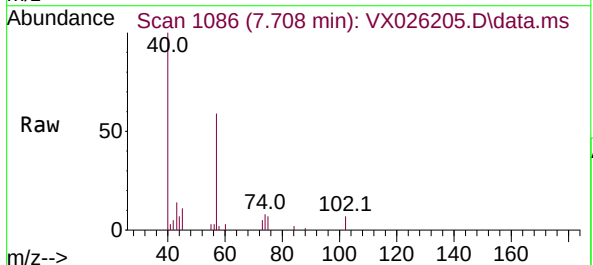
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

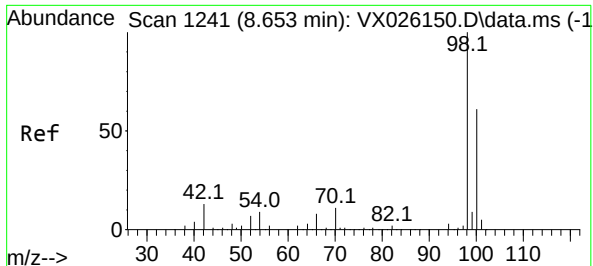
Tgt Ion: 41 Resp: 4781
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 0.474 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.024 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 1070.0 51.8 77.6#

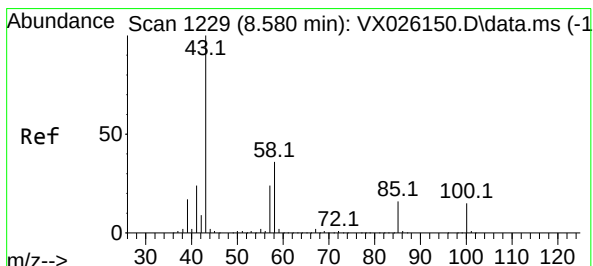
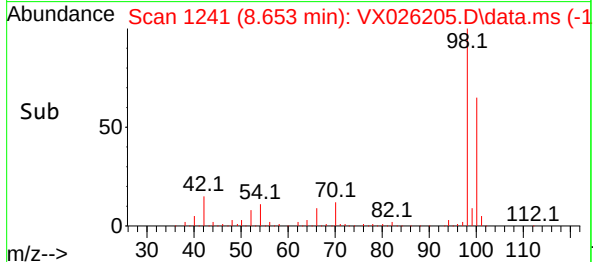
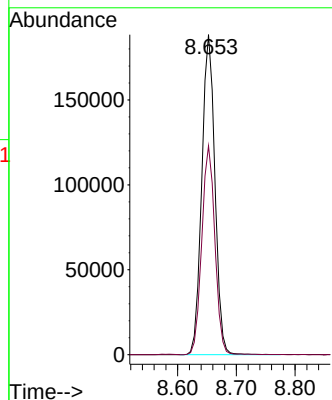
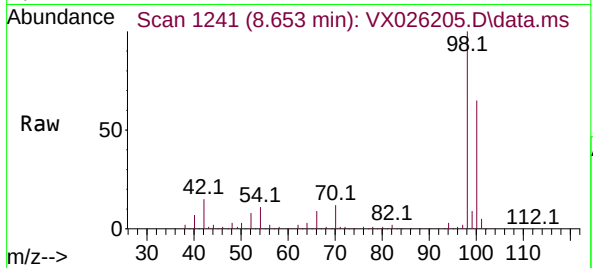




#50
Toluene-d8
Concen: 50.217 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

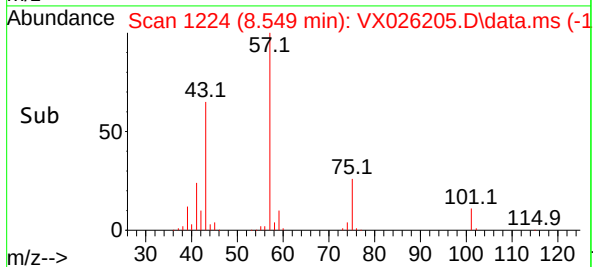
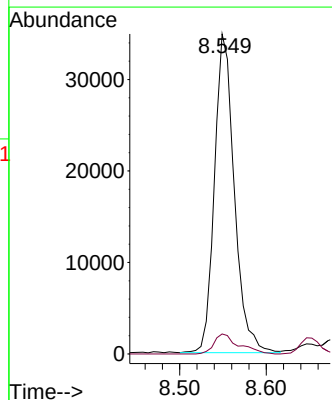
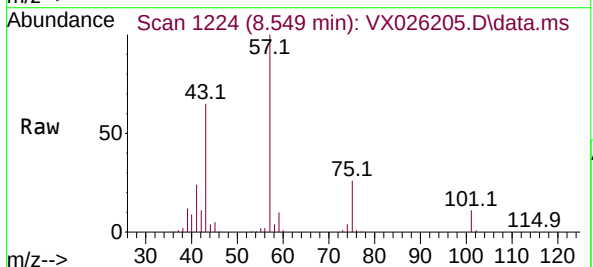
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

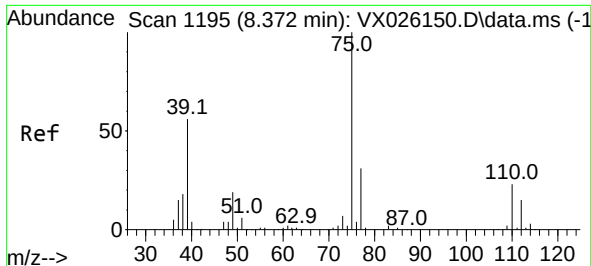
Tgt Ion: 98 Resp: 292472
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.690 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Tgt Ion: 43 Resp: 55509
Ion Ratio Lower Upper
43 100
58 7.8 30.8 46.2#

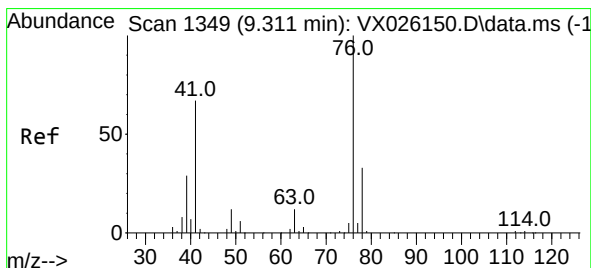
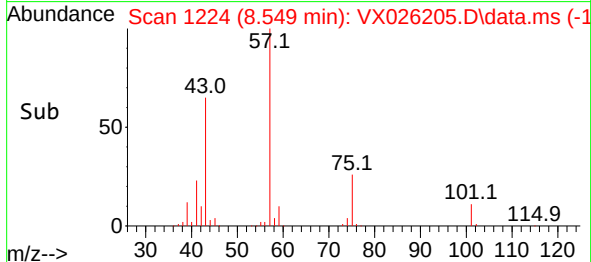
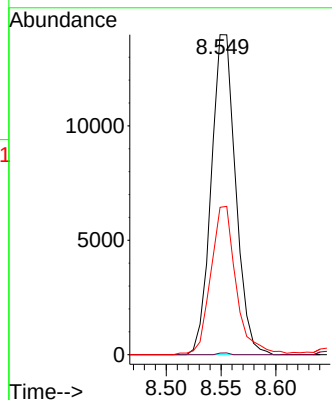
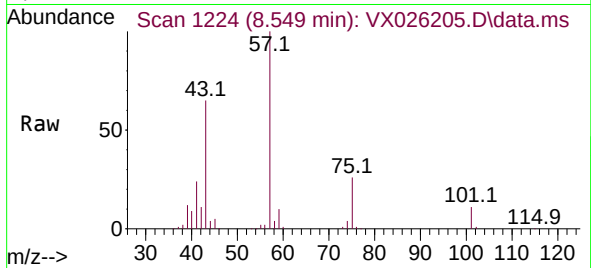




#54
 cis-1,3-Dichloropropene
 Concen: 7.359 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX026205.D
 Acq: 31 Dec 2021 06:21

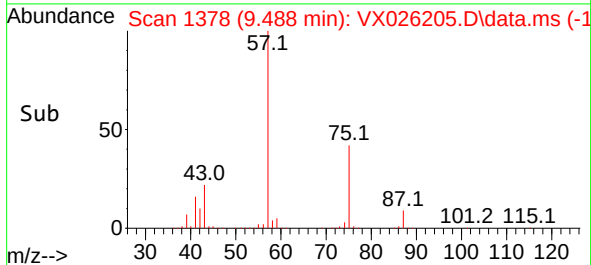
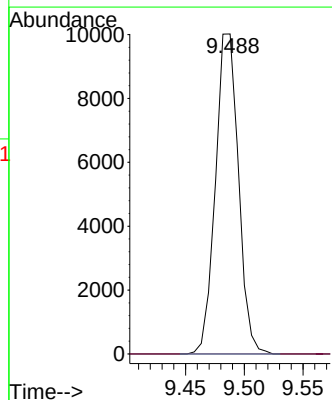
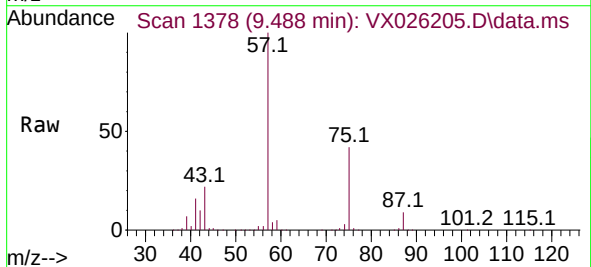
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758ZHE#06

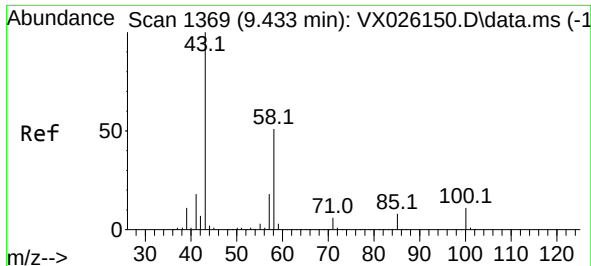
Tgt Ion: 75 Resp: 21639
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 45.6 41.4 62.0



#57
 1,3-Dichloropropane
 Concen: 4.378 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026205.D
 Acq: 31 Dec 2021 06:21

Tgt Ion: 76 Resp: 13675
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

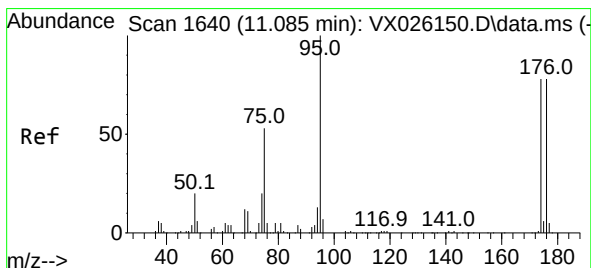
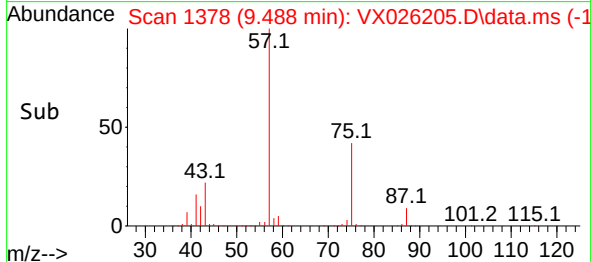
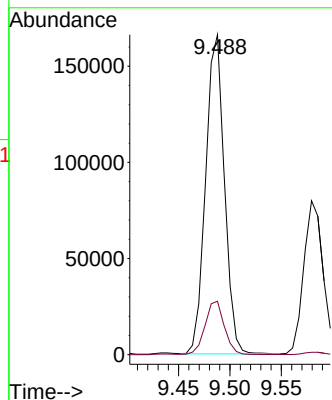
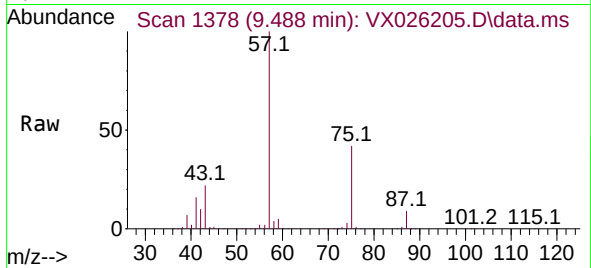




#59
2-Hexanone
Concen: 93.723 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

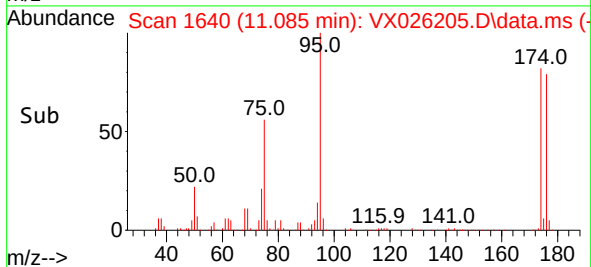
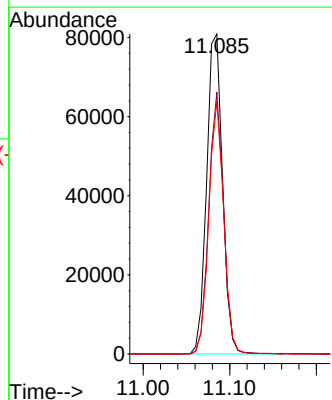
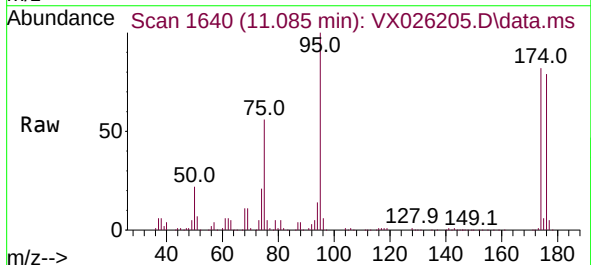
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

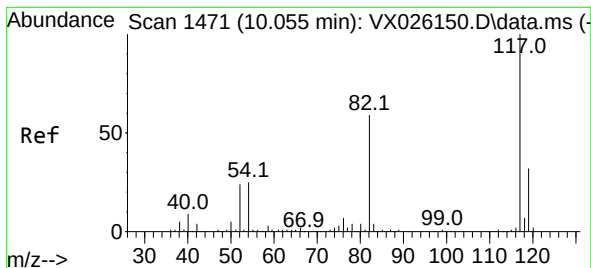
Tgt Ion: 43 Resp: 210846
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 49.783 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Tgt Ion: 95 Resp: 103218
Ion Ratio Lower Upper
95 100
174 76.4 0.0 157.4
176 74.0 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: VX026205.D

Acq: 31 Dec 2021 06:21

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#06

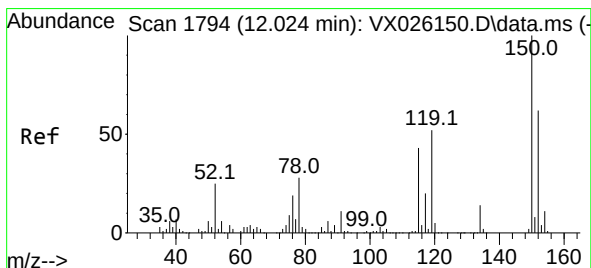
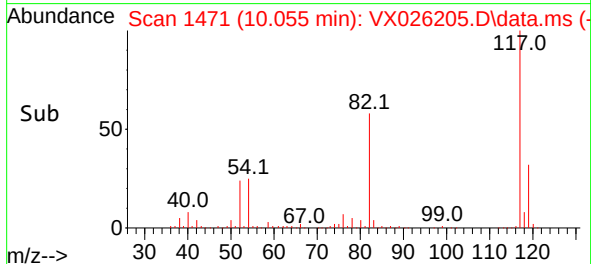
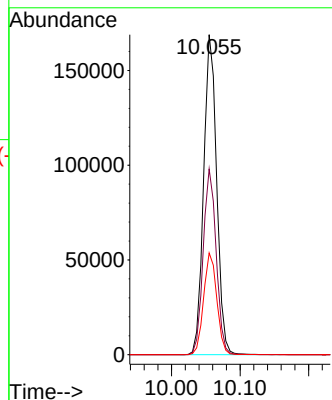
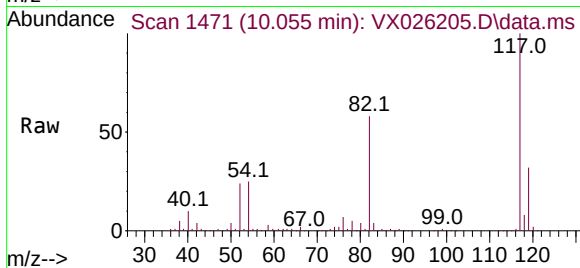
Tgt Ion:117 Resp: 223582

Ion Ratio Lower Upper

117 100

82 58.0 43.8 65.6

119 31.8 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX026205.D

Acq: 31 Dec 2021 06:21

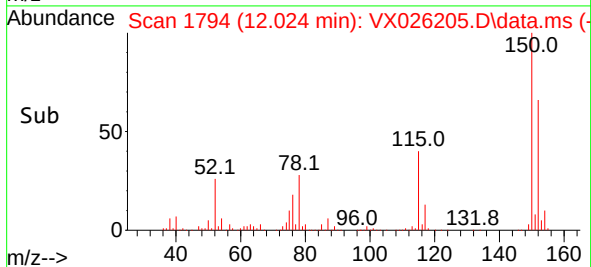
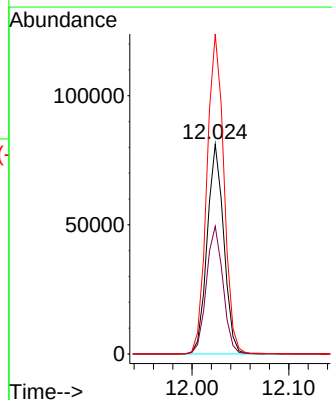
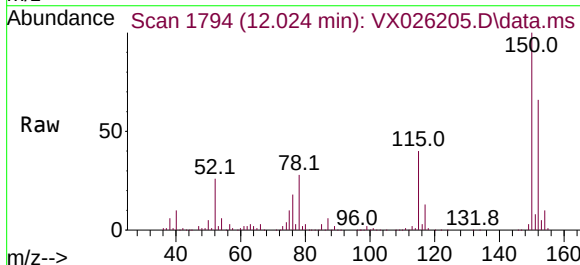
Tgt Ion:152 Resp: 96898

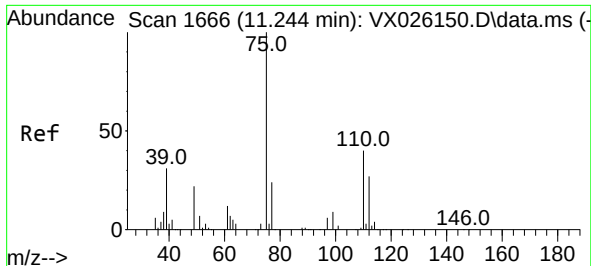
Ion Ratio Lower Upper

152 100

115 61.1 41.3 123.9

150 156.8 0.0 351.8

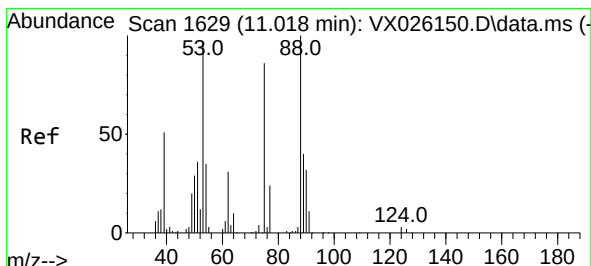
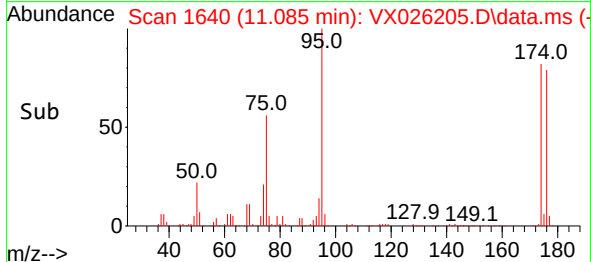
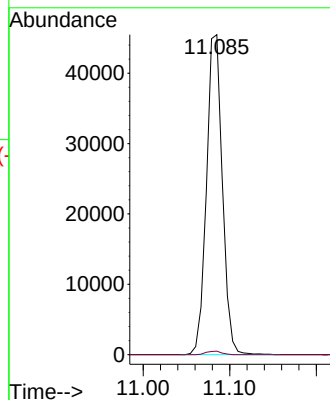
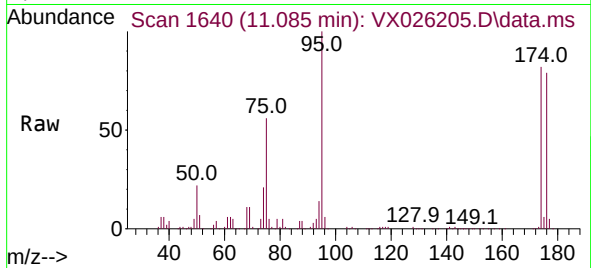




#76
1,2,3-Trichloropropane
Concen: 24.755 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#06

Tgt Ion: 75 Resp: 57900
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.618 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX026205.D
Acq: 31 Dec 2021 06:21

Tgt Ion: 75 Resp: 57900
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

