

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021722\
 Data File : VX027081.D
 Acq On : 17 Feb 2022 16:32
 Operator : JC/MD
 Sample : PB142725TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142725TB

Quant Time: Feb 18 03:51:56 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)

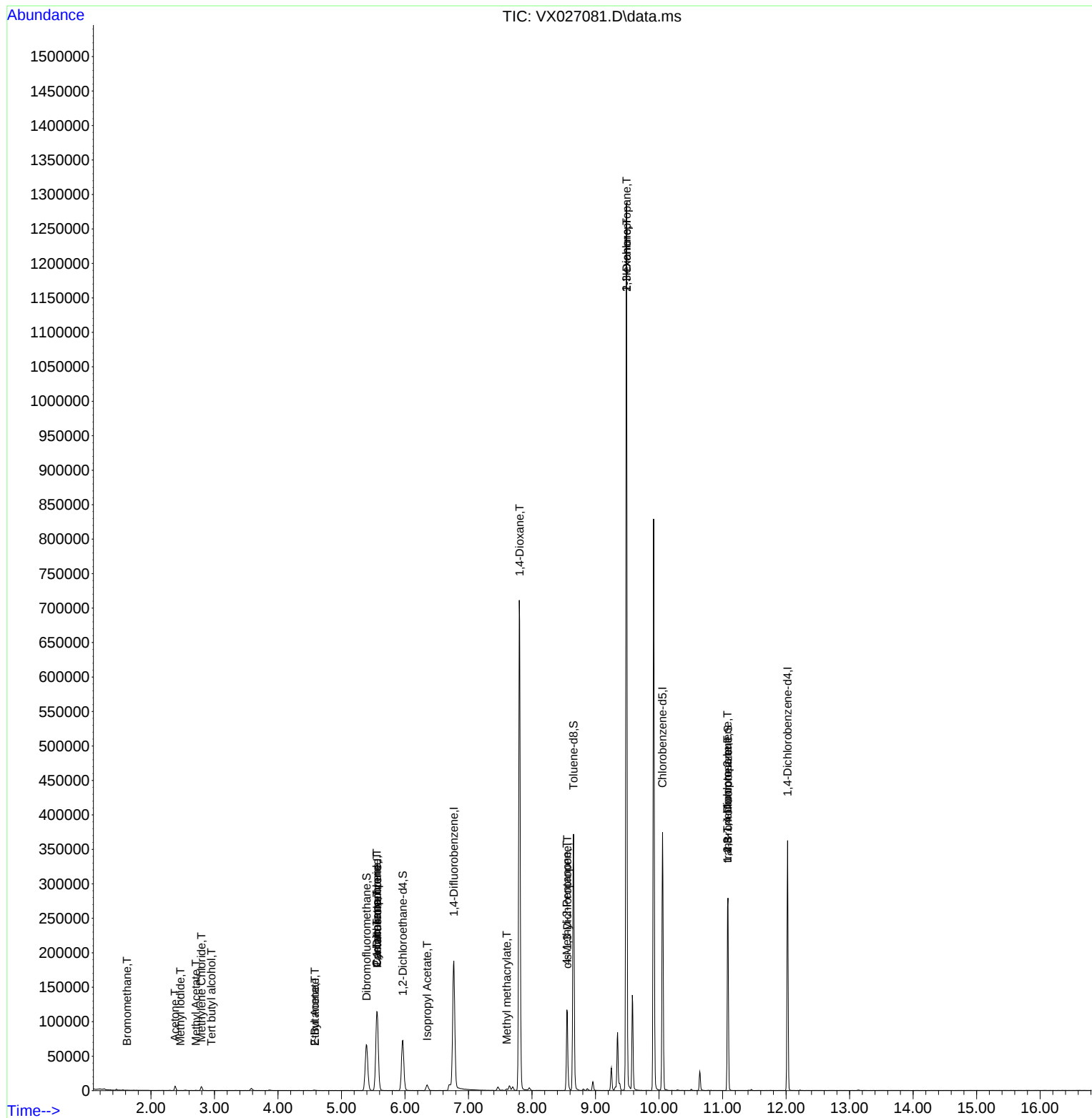
Internal Standards						
1) Pentafluorobenzene	5.562	168	110617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	188748	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	70583	53.156	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.320%			
35) Dibromofluoromethane	5.397	113	58753	52.247	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	8.653	98	216871	52.539	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.080%			
62) 4-Bromofluorobenzene	11.085	95	77256	53.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.320%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	171	0.344	ug/l	94
10) Methyl Iodide	2.465	142	32	2.273	ug/l #	37
11) Tert butyl alcohol	2.953	59	101	0.421	ug/l #	75
16) Acetone	2.380	43	6753	11.579	ug/l	94
18) Methyl Acetate	2.709	43	549	0.327	ug/l #	84
20) Methylene Chloride	2.794	84	2566	2.031	ug/l	95
25) 2-Butanone	4.580	43	1429	1.521	ug/l #	80
31) Cyclohexane	5.556	56	2068	0.980	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8250	4.650	ug/l #	52
37) Ethyl Acetate	4.580	43	1429	0.709	ug/l #	69
38) Carbon Tetrachloride	5.556	117	11368	6.111	ug/l #	16
43) Isopropyl Acetate	6.348	43	11134	3.589	ug/l	99
48) Methyl methacrylate	7.604	41	3218	2.094	ug/l #	16
49) 1,4-Dioxane	7.805	88	88	3.323	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	40604	21.601	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	19220	10.041	ug/l #	55
57) 1,3-Dichloropropane	9.488	76	11350	5.334	ug/l #	43
59) 2-Hexanone	9.488	43	153266	111.472	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	37802	23.893	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	37802	73.030	ug/l #	3

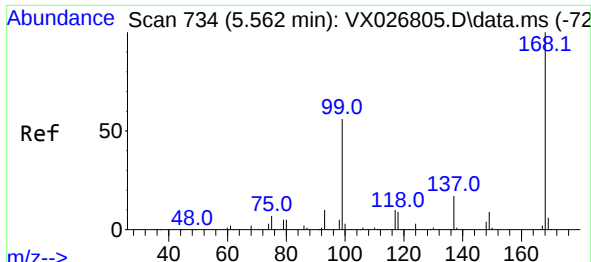
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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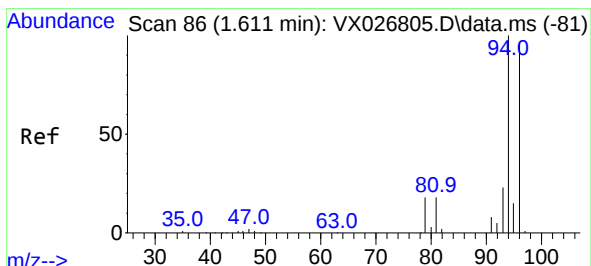
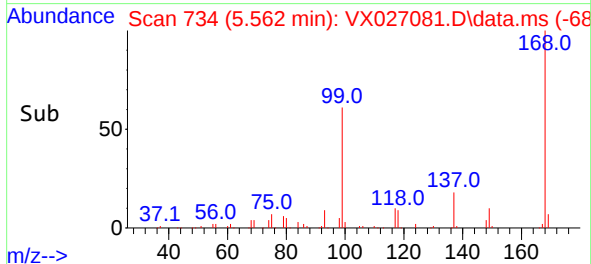
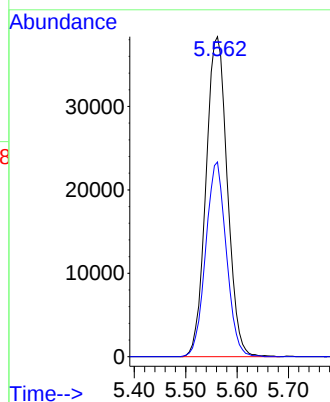
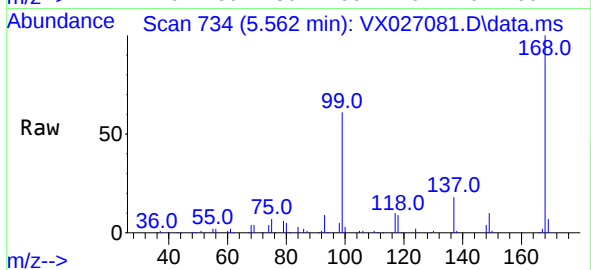




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

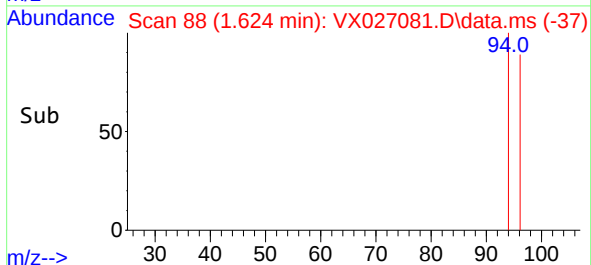
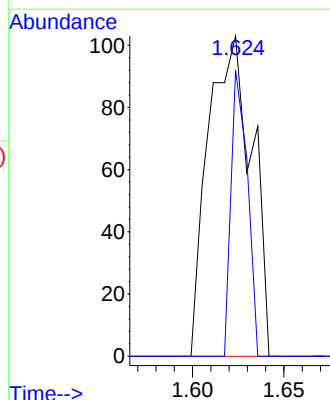
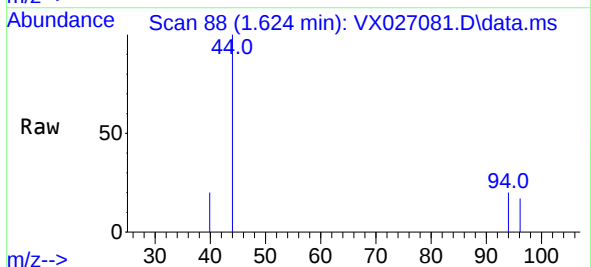
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

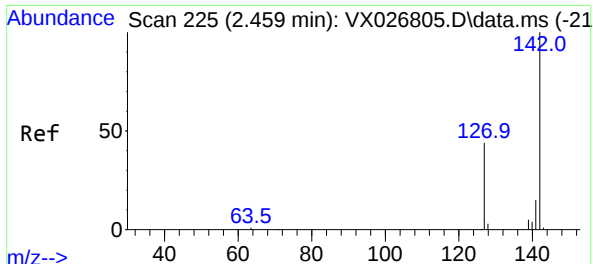
Tgt Ion:168 Resp: 110617
Ion Ratio Lower Upper
168 100
99 60.9 50.3 75.5



#5
Bromomethane
Concen: 0.344 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 94 Resp: 171
Ion Ratio Lower Upper
94 100
96 89.3 75.9 113.9

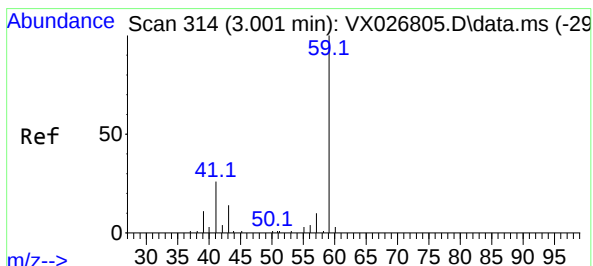
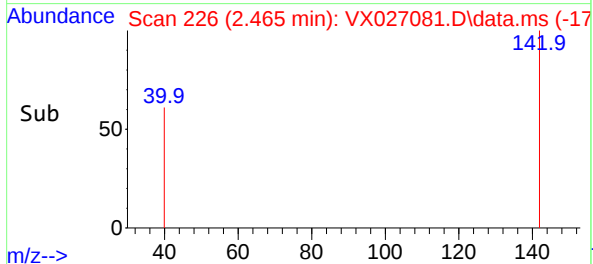
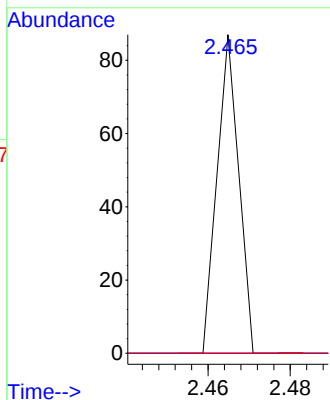
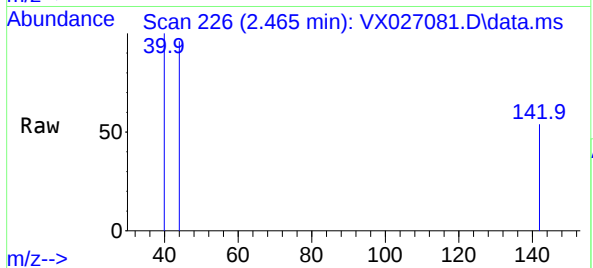




#10
Methyl Iodide
Concen: 2.273 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

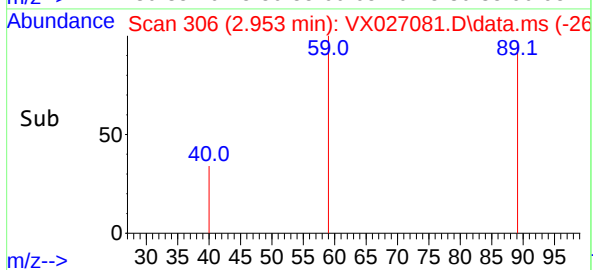
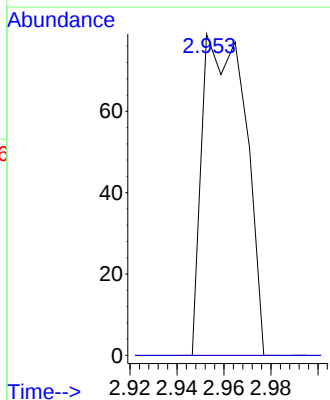
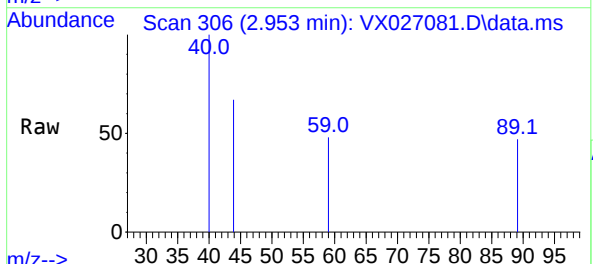
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

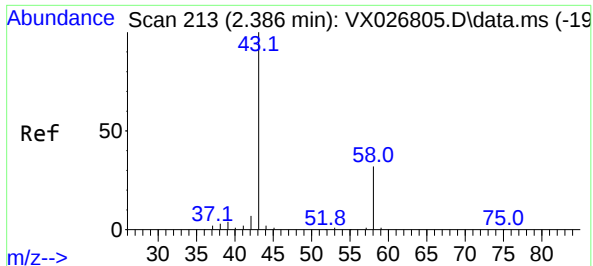
Tgt Ion:142 Resp: 32
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.421 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.048 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

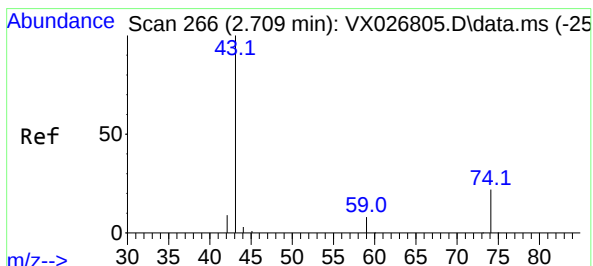
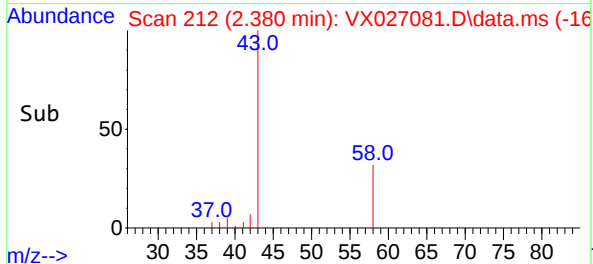
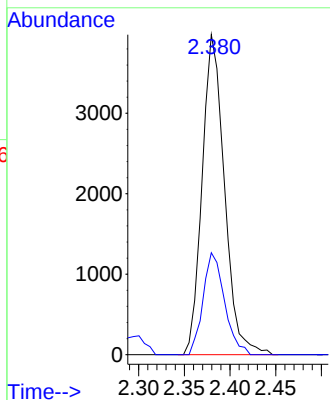
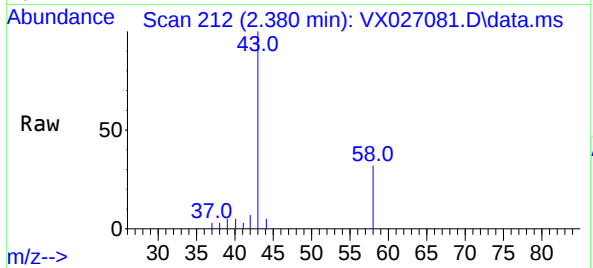




#16
Acetone
Concen: 11.579 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

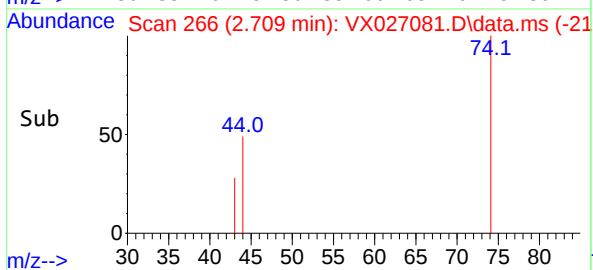
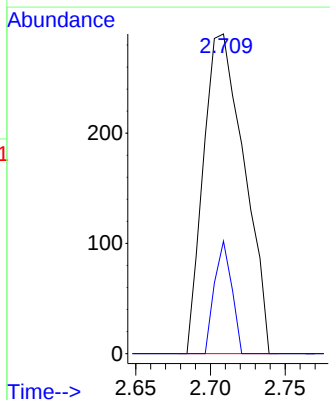
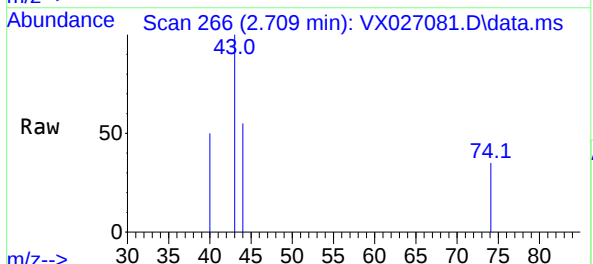
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

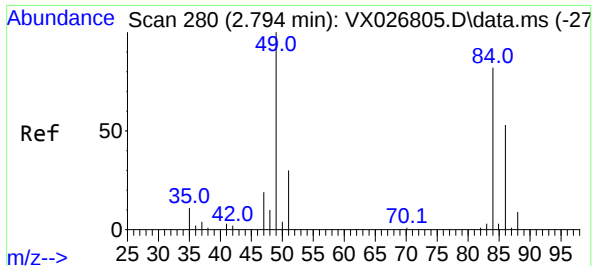
Tgt Ion: 43 Resp: 6753
Ion Ratio Lower Upper
43 100
58 31.8 23.0 34.6



#18
Methyl Acetate
Concen: 0.327 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
74 14.9 18.3 27.5#



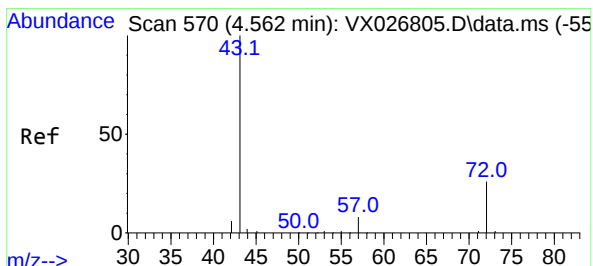
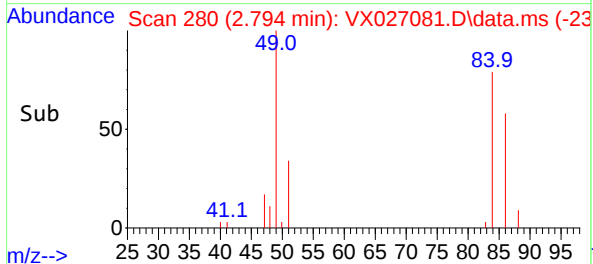
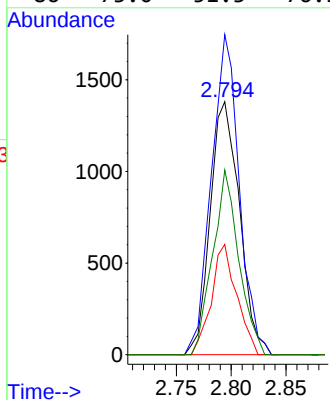
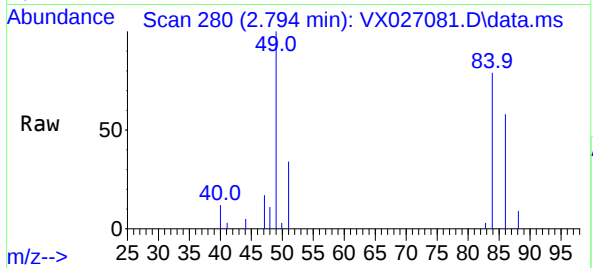


#20
Methylene Chloride
Concen: 2.031 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

Tgt Ion: 84 Resp: 2566

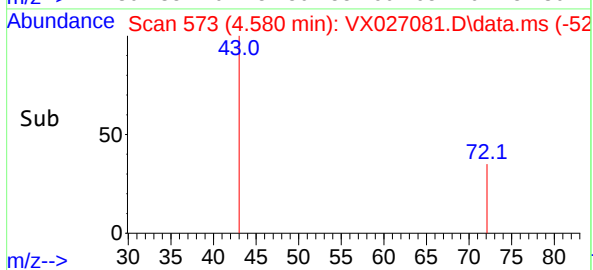
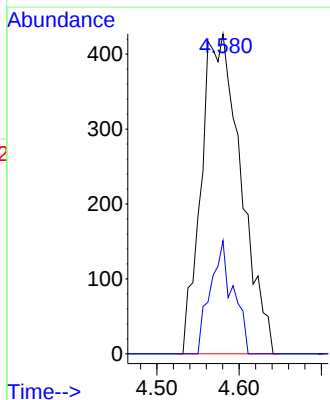
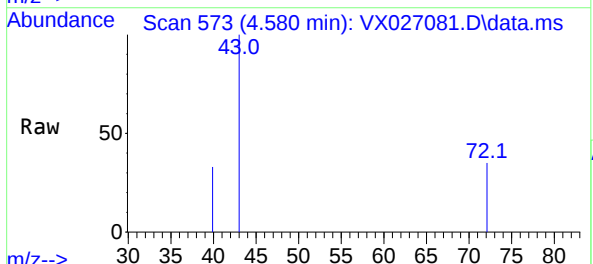
Ion	Ratio	Lower	Upper
84	100		
49	126.5	101.5	152.3
51	43.6	31.2	46.8
86	73.0	51.3	76.9

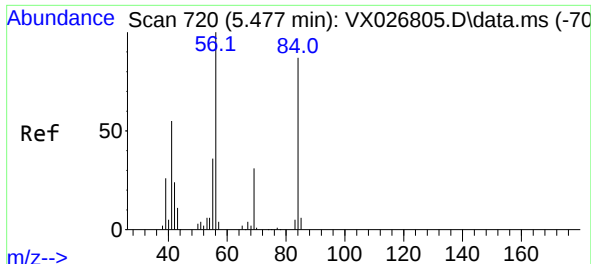


#25
2-Butanone
Concen: 1.521 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 43 Resp: 1429

Ion	Ratio	Lower	Upper
43	100		
72	35.4	20.4	30.6

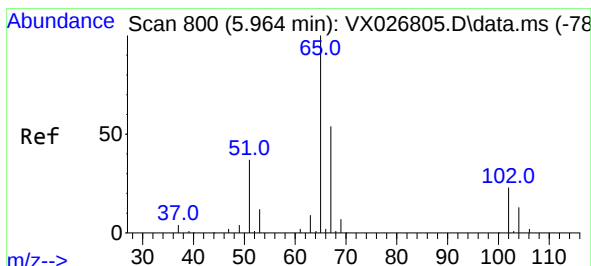
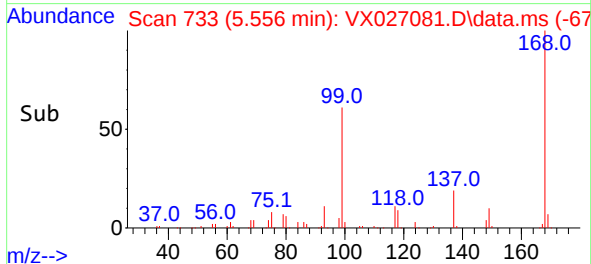
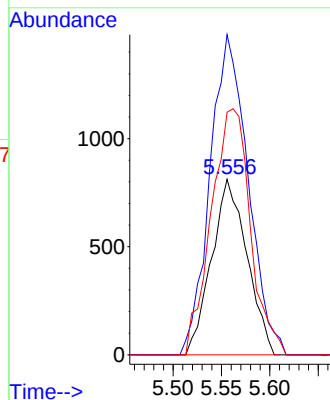
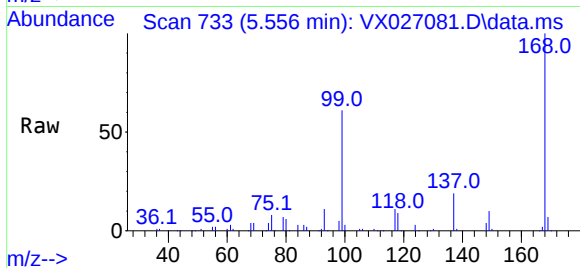




#31
Cyclohexane
Concen: 0.980 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

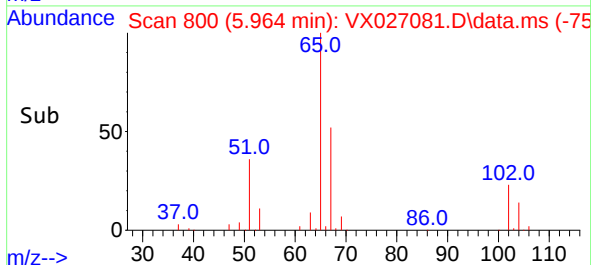
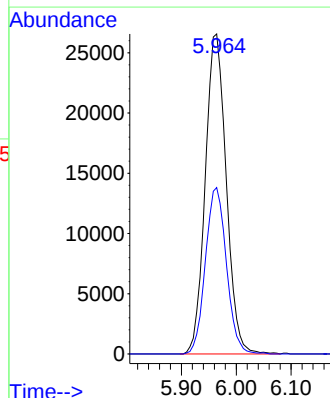
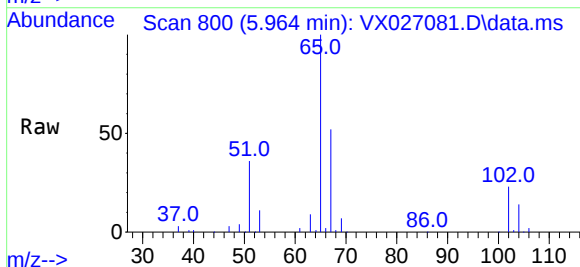
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

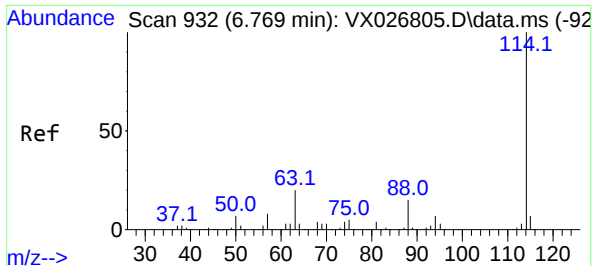
Tgt Ion: 56 Resp: 2068
Ion Ratio Lower Upper
56 100
69 182.4 25.8 38.6#
84 138.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.156 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 65 Resp: 70583
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX027081.D

Acq: 17 Feb 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

PB142725TB

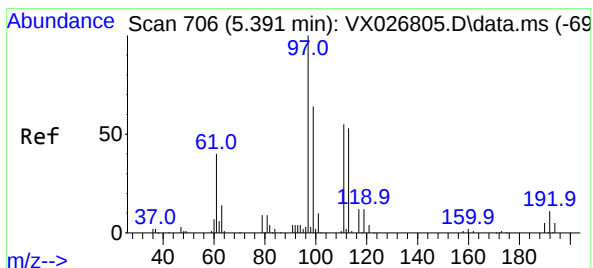
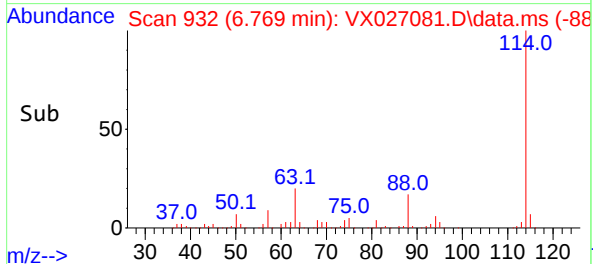
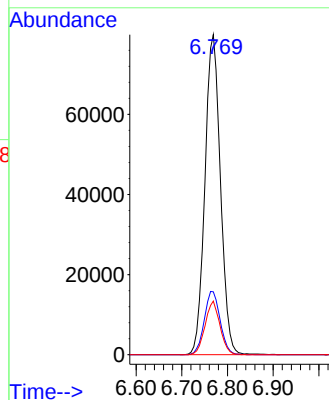
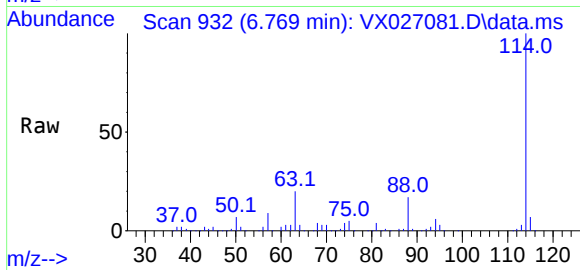
Tgt Ion:114 Resp: 188748

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

88 16.7 0.0 33.0



#35

Dibromofluoromethane

Concen: 52.247 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX027081.D

Acq: 17 Feb 2022 16:32

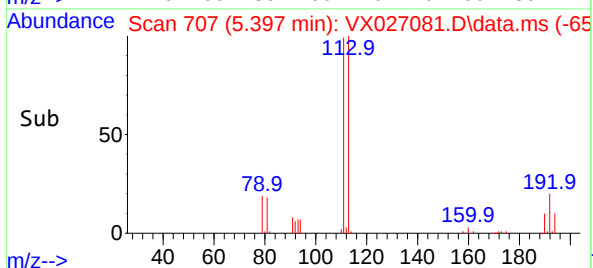
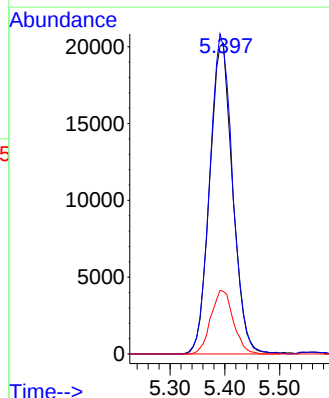
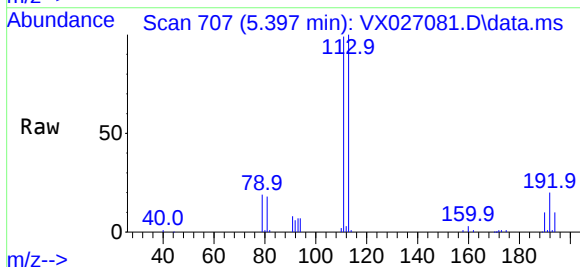
Tgt Ion:113 Resp: 58753

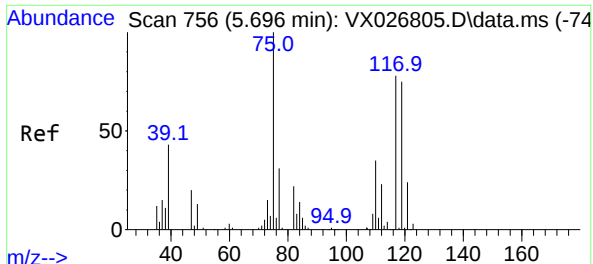
Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

192 20.0 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX027081.D

Acq: 17 Feb 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

PB142725TB

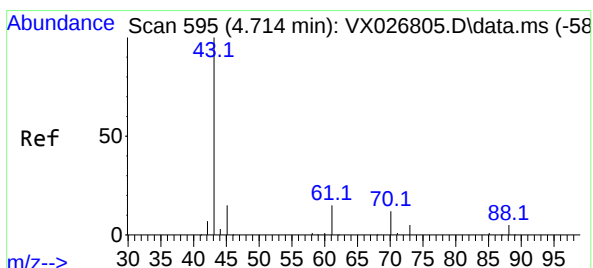
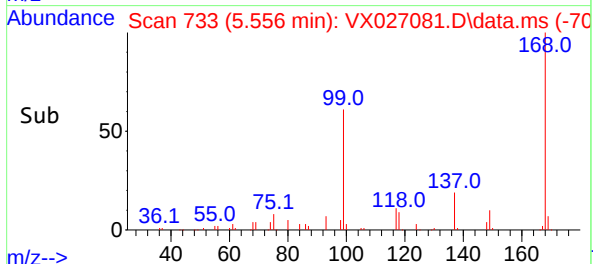
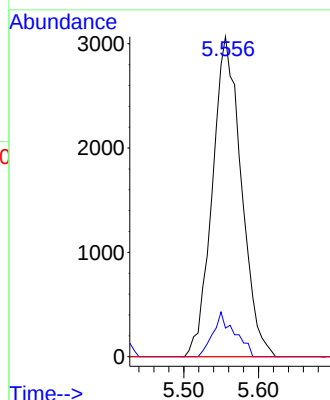
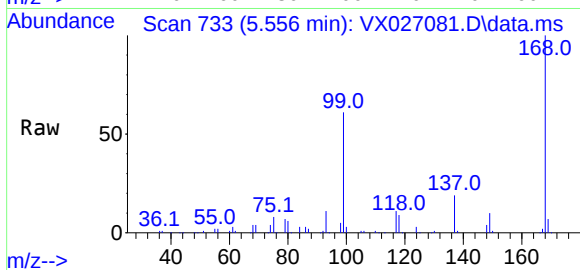
Tgt Ion: 75 Resp: 8250

Ion Ratio Lower Upper

75 100

110 10.4 17.2 51.6#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.709 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.134 min

Lab File: VX027081.D

Acq: 17 Feb 2022 16:32

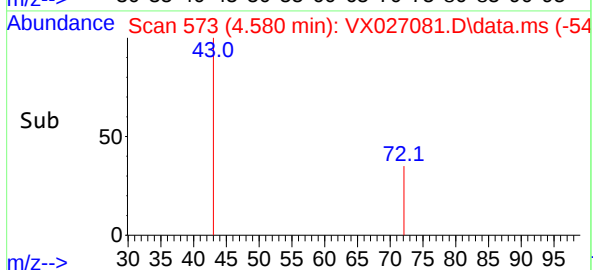
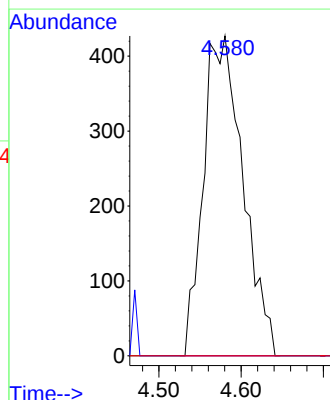
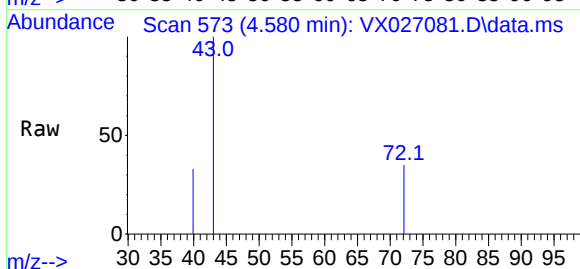
Tgt Ion: 43 Resp: 1429

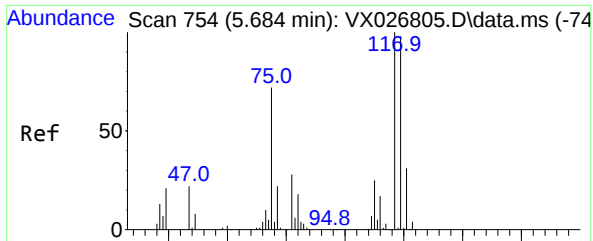
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

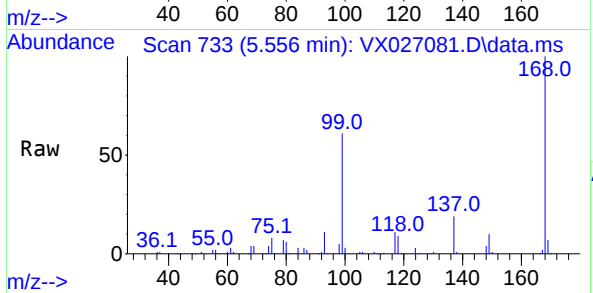
70 0.0 8.5 12.7#



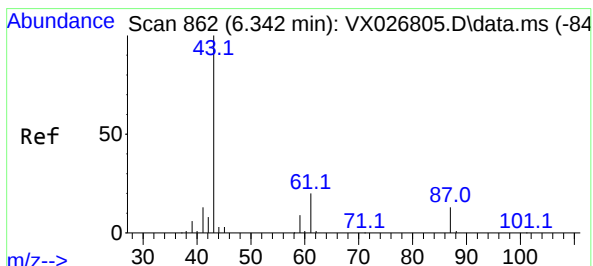
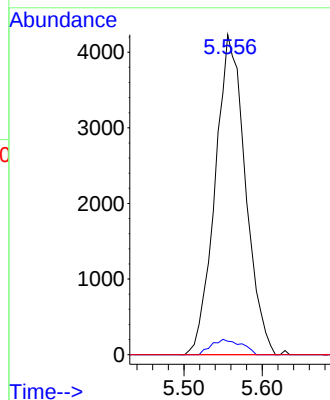
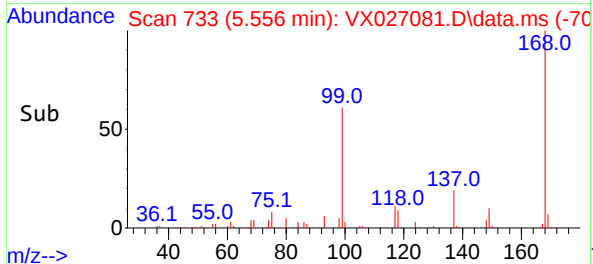


#38
Carbon Tetrachloride
Concen: 6.111 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

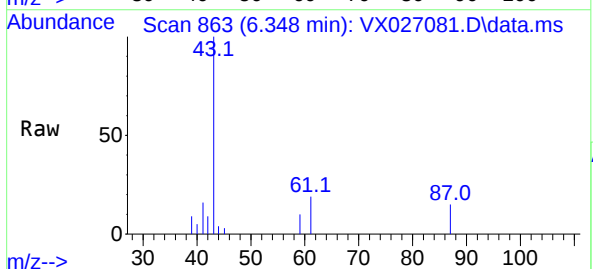
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB



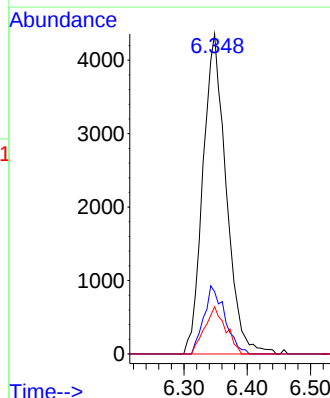
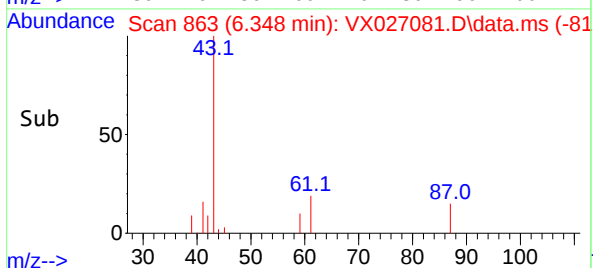
Tgt Ion:117 Resp: 11368
Ion Ratio Lower Upper
117 100
119 4.2 74.7 112.1#
121 0.0 25.4 38.0#

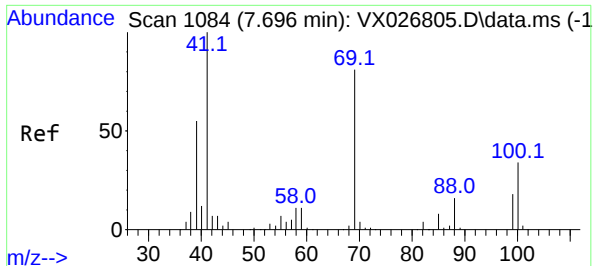


#43
Isopropyl Acetate
Concen: 3.589 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32



Tgt Ion: 43 Resp: 11134
Ion Ratio Lower Upper
43 100
61 19.2 15.4 23.0
87 13.3 10.2 15.2





#48

Methyl methacrylate

Concen: 2.094 ug/l

RT: 7.604 min Scan# 1102

Delta R.T. -0.091 min

Lab File: VX027081.D

Acq: 17 Feb 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

PB142725TB

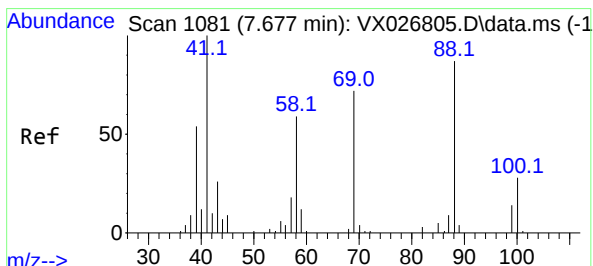
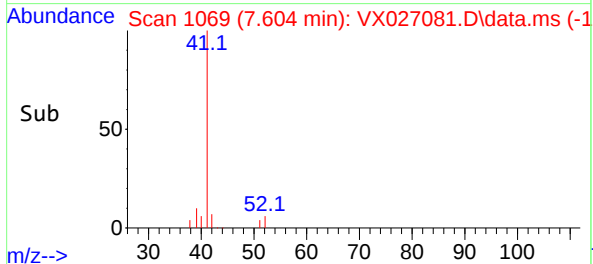
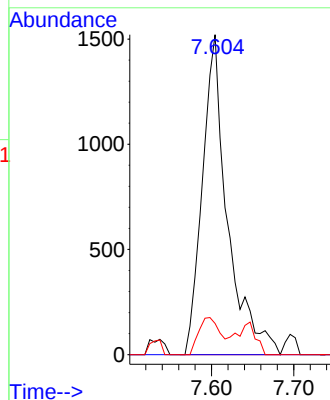
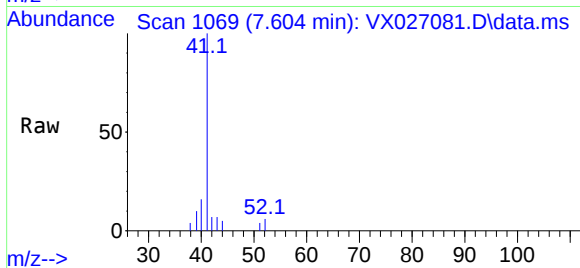
Tgt Ion: 41 Resp: 3218

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 0.0 45.4 68.0#



#49

1,4-Dioxane

Concen: 3.323 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.128 min

Lab File: VX027081.D

Acq: 17 Feb 2022 16:32

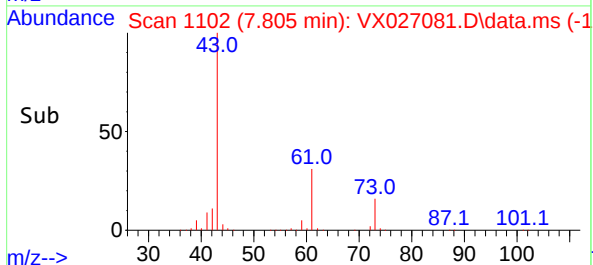
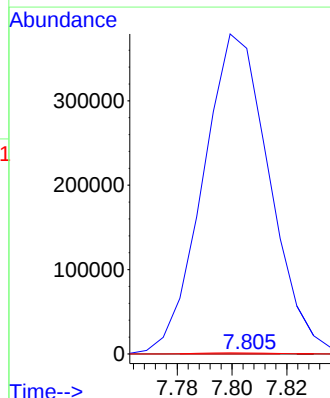
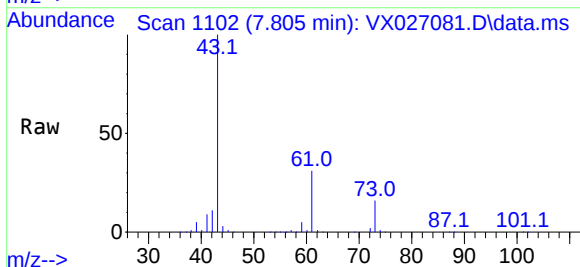
Tgt Ion: 88 Resp: 88

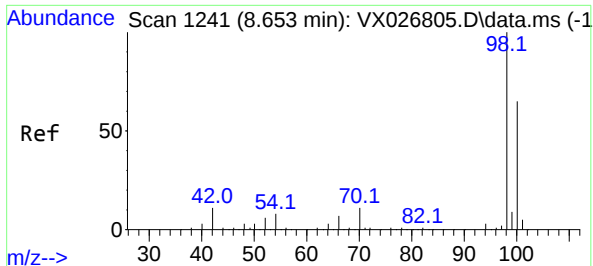
Ion Ratio Lower Upper

88 100

43 735387.5 29.9 44.9#

58 2760.2 57.8 86.6#

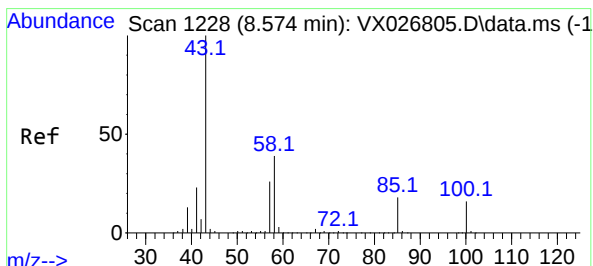
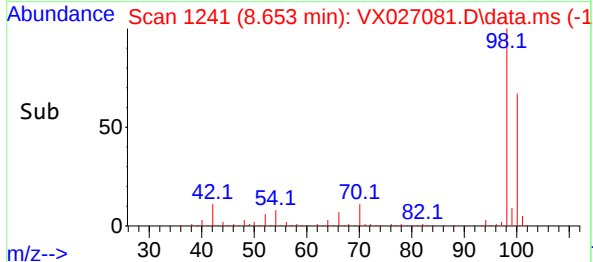
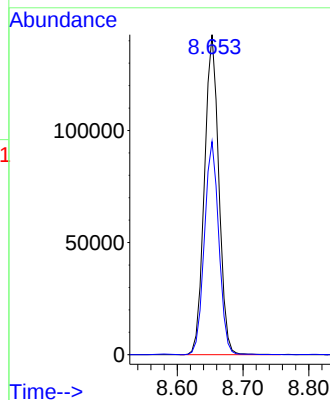
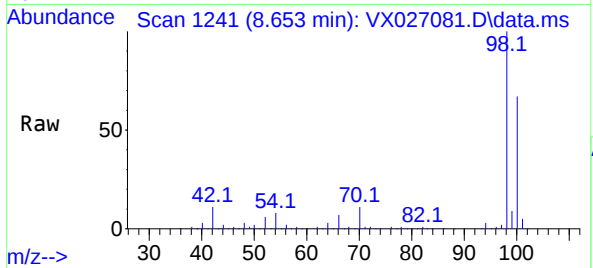




#50
Toluene-d8
Concen: 52.539 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

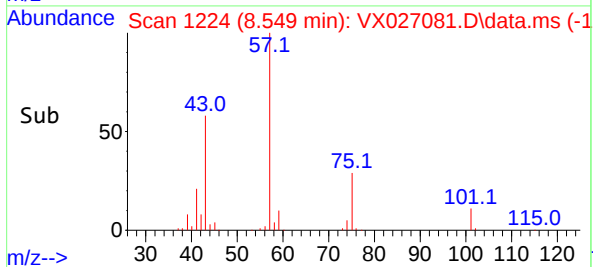
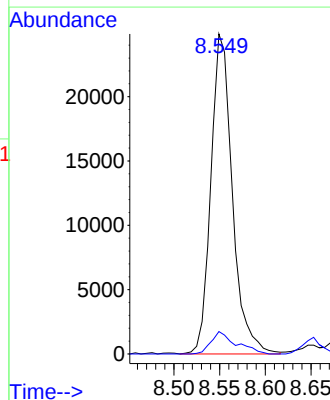
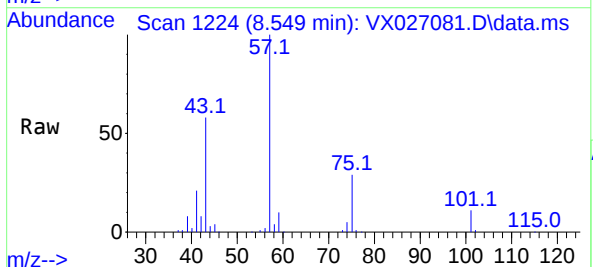
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

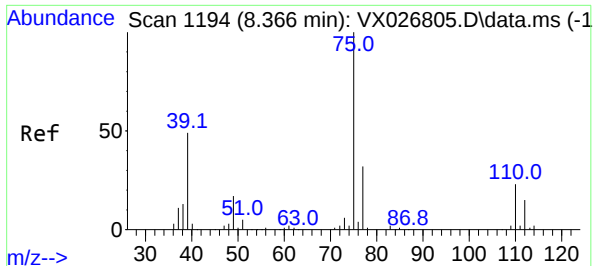
Tgt Ion: 98 Resp: 216871
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 21.601 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 43 Resp: 40604
Ion Ratio Lower Upper
43 100
58 8.2 30.5 45.7#





#54

cis-1,3-Dichloropropene

Concen: 10.041 ug/l

RT: 8.555 min Scan# 1194

Delta R.T. 0.189 min

Lab File: VX027081.D

Acq: 17 Feb 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

PB142725TB

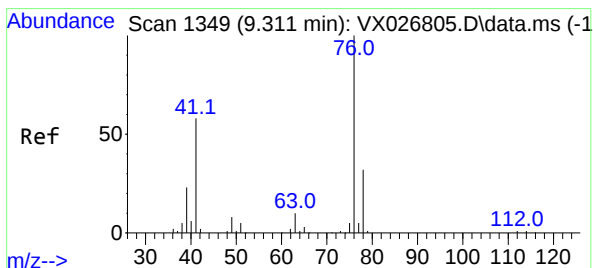
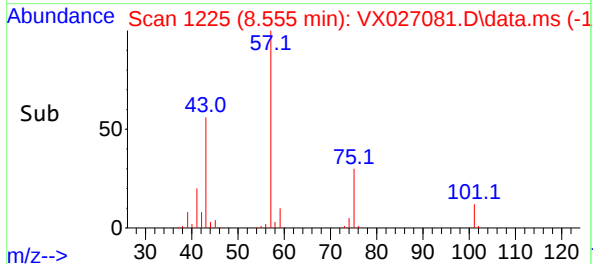
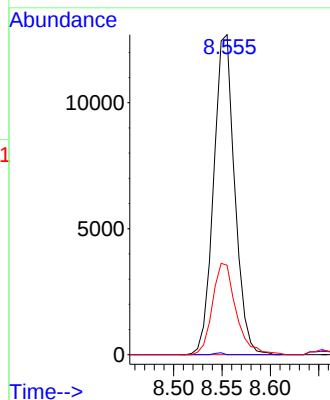
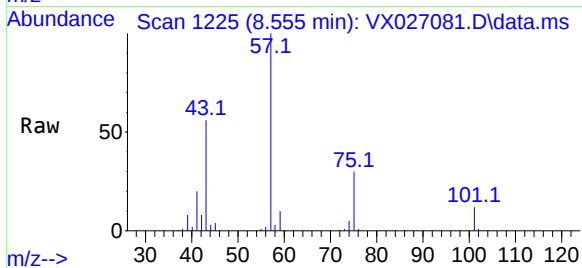
Tgt Ion: 75 Resp: 19220

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 27.9 43.5 65.3#



#57

1,3-Dichloropropane

Concen: 5.334 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX027081.D

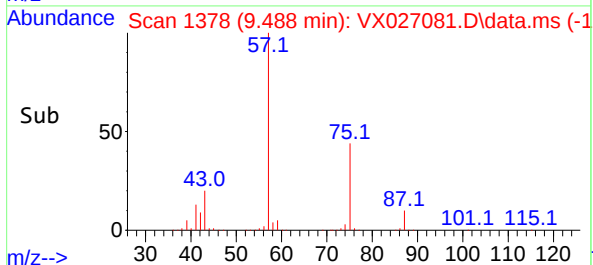
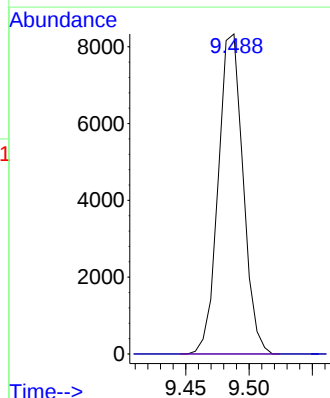
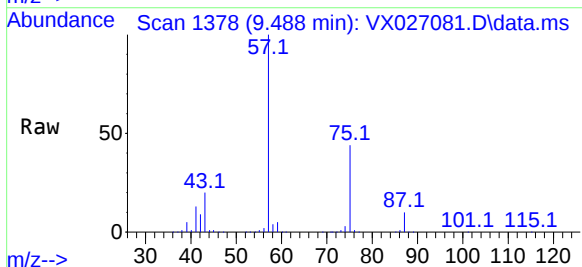
Acq: 17 Feb 2022 16:32

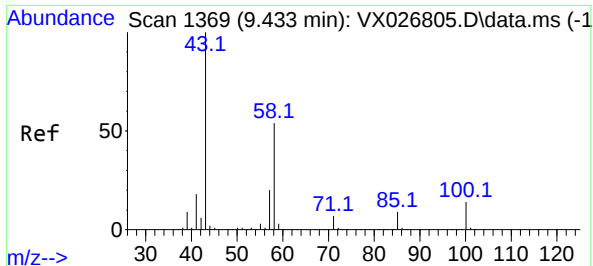
Tgt Ion: 76 Resp: 11350

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#

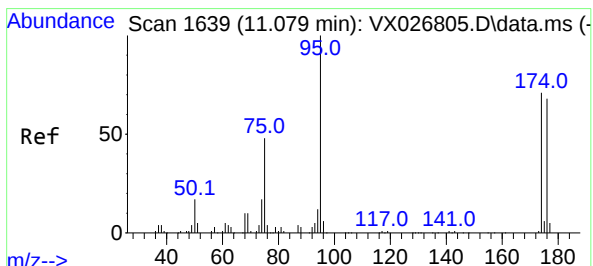
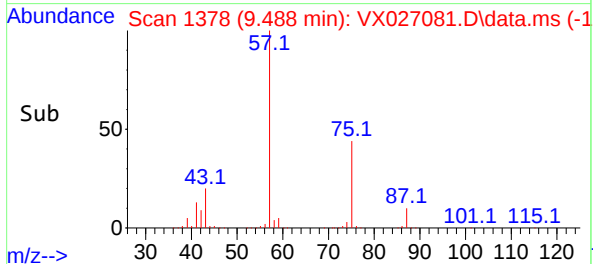
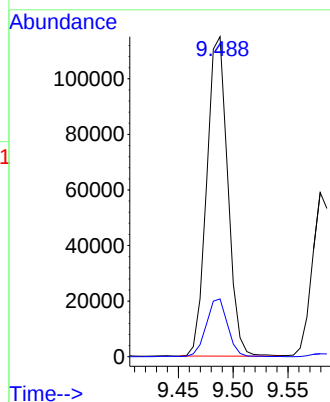
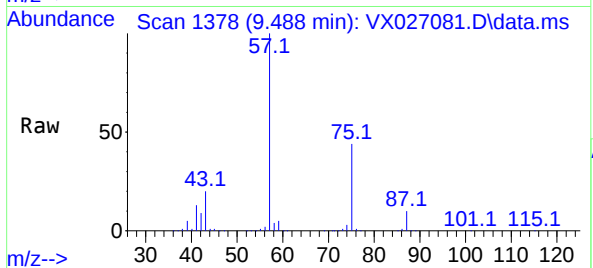




#59
2-Hexanone
Concen: 111.472 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

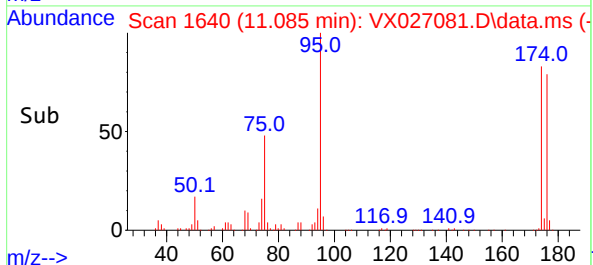
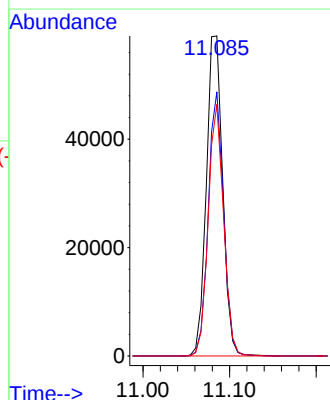
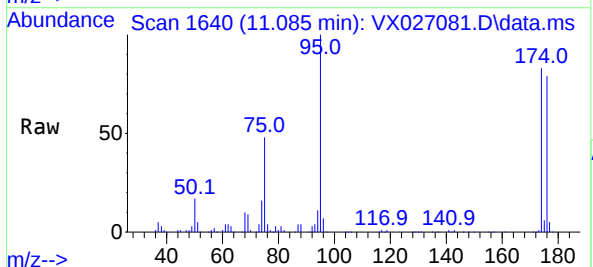
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

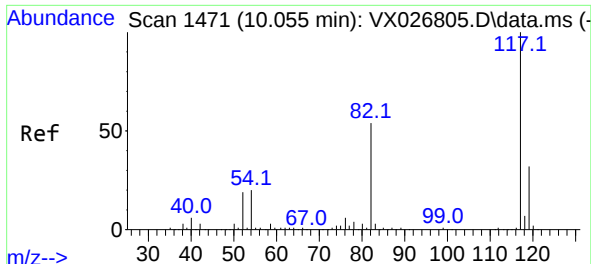
Tgt Ion: 43 Resp: 153266
Ion Ratio Lower Upper
43 100
58 18.5 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 53.160 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 95 Resp: 77256
Ion Ratio Lower Upper
95 100
174 77.6 0.0 148.6
176 74.1 0.0 141.4

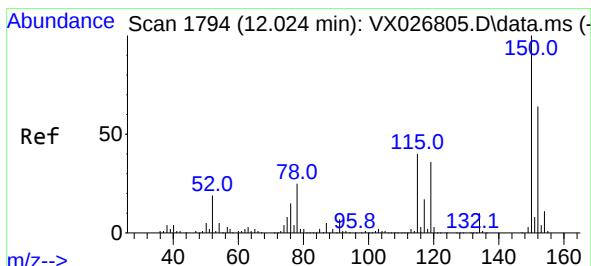
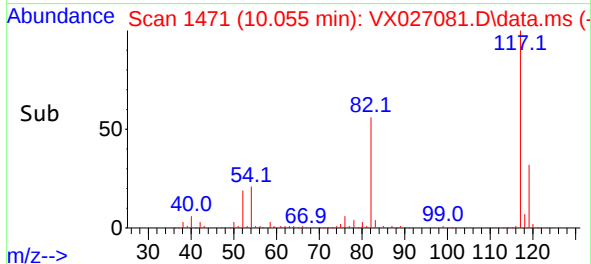
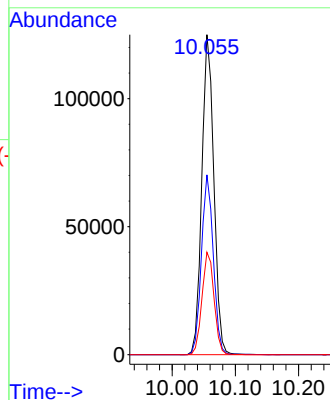
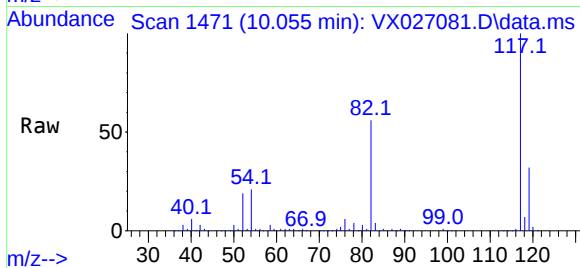




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

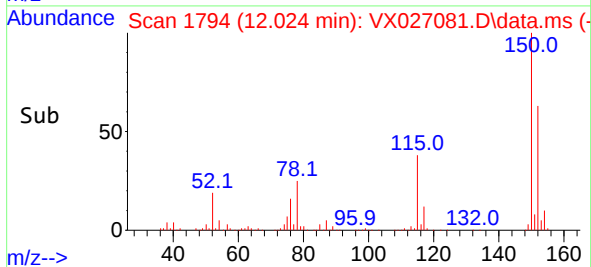
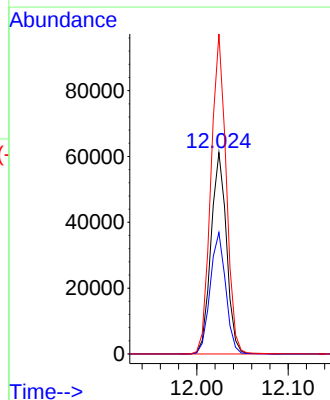
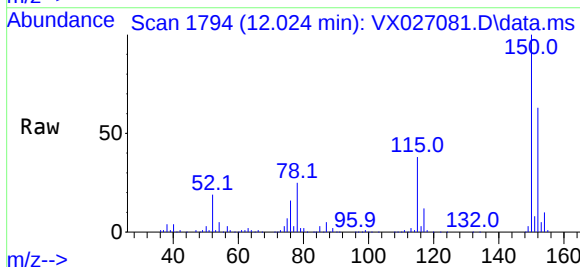
Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

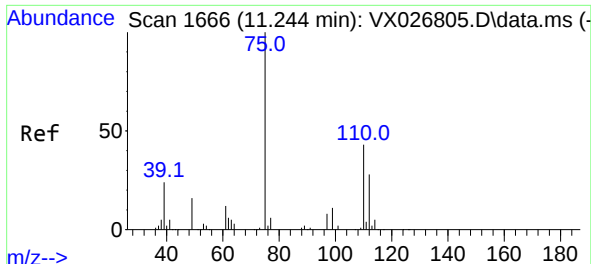
Tgt Ion:117 Resp: 165333
Ion Ratio Lower Upper
117 100
82 56.2 45.2 67.8
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion:152 Resp: 72274
Ion Ratio Lower Upper
152 100
115 60.2 44.2 132.6
150 156.3 0.0 348.2

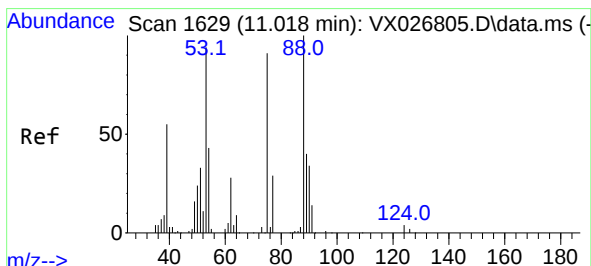
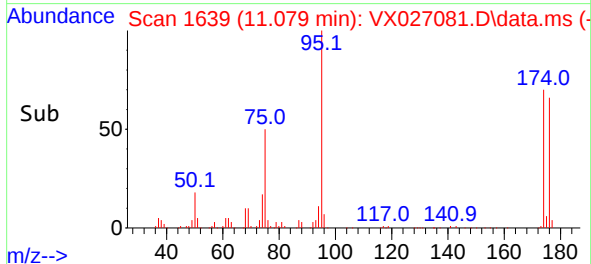
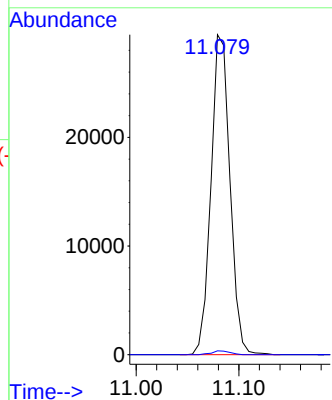
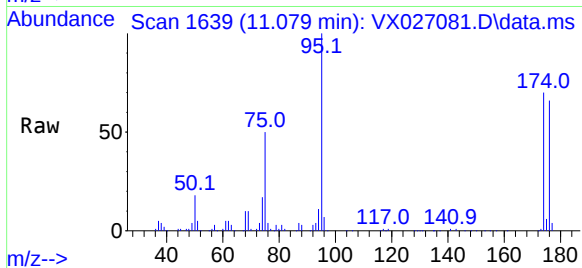




#76
1,2,3-Trichloropropane
Concen: 23.893 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Instrument :
MSVOA_X
ClientSampleId :
PB142725TB

Tgt Ion: 75 Resp: 37802
Ion Ratio Lower Upper
75 100
77 1.2 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.030 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027081.D
Acq: 17 Feb 2022 16:32

Tgt Ion: 75 Resp: 37802
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

