

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051623\
 Data File : VW031042.D
 Acq On : 16 May 2023 10:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005351

Quant Time: May 17 01:33:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:40:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	144063	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	140423	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	81572	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	42162	3.552	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.000%
7) Chloroethane-d5	1.536	69	40299	4.162	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.063	65	25862	4.117	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	3.828	46	95469	45.358	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.720%
24) Chloroform-d	4.256	84	107658	4.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	4.950	65	54419	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	4.966	84	182346	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	5.995	67	50751	4.240	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.800%
41) Toluene-d8	7.249	98	169966	4.336	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	7.558	79	19543	4.356	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.037	63	68955	43.867	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.740%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	40597	4.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	65241	4.291	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	47647	4.187	ug/L	98
3) Chloromethane	1.217	50	51437	3.851	ug/L	99
5) Vinyl chloride	1.285	62	47129	4.216	ug/L	98
6) Bromomethane	1.491	94	21750	4.085	ug/L	93
8) Chloroethane	1.552	64	27442	4.033	ug/L	96
9) Trichlorofluoromethane	1.716	101	91937	4.458	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	48187	4.577	ug/L	99
12) 1,1-Dichloroethene	2.073	96	42166	4.349	ug/L	94
13) Acetone	2.166	43	67921	37.778	ug/L	81
14) Carbon disulfide	2.246	76	91036	3.589	ug/L	98
15) Methyl Acetate	2.401	43	15105	4.130	ug/L	100
16) Methylene chloride	2.452	84	41060	3.744	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	86117	4.666	ug/L	97
18) trans-1,2-Dichloroethene	2.700	96	38150	4.308	ug/L	94
19) 1,1-Dichloroethane	3.118	63	79446	4.646	ug/L	99
21) 2-Butanone	3.909	43	79975	40.446	ug/L	85
22) cis-1,2-Dichloroethene	3.825	96	41447	4.436	ug/L	95
23) Bromochloromethane	4.159	128	19680	4.474	ug/L	93
25) Chloroform	4.285	83	90265	4.920	ug/L	96

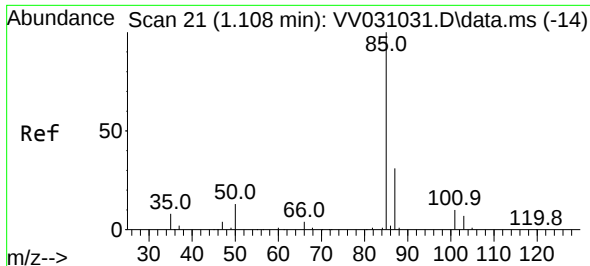
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 Data File : VV031042.D
 Acq On : 16 May 2023 10:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005351

Quant Time: May 17 01:33:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:40:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	54791	4.758	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	84191	4.771	ug/L	99
30) Cyclohexane	4.587	56	52538	3.942	ug/L	98
31) Carbon tetrachloride	4.745	117	75125	4.740	ug/L	99
33) Benzene	5.018	78	165004	4.671	ug/L	100
34) Trichloroethene	5.838	95	42412	4.504	ug/L	97
35) Methylcyclohexane	6.056	83	59178	4.056	ug/L	98
37) 1,2-Dichloropropane	6.098	63	40408	4.823	ug/L #	95
38) Bromodichloromethane	6.439	83	59224	4.830	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	58035	4.625	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	213836	49.260	ug/L	98
42) Toluene	7.320	91	181920	4.784	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	50066	4.683	ug/L	97
45) 1,1,2-Trichloroethane	7.777	97	30588	4.920	ug/L	97
47) Tetrachloroethene	7.912	164	41439	4.613	ug/L	97
48) 2-Hexanone	8.085	43	171481	51.504	ug/L	99
49) Dibromochloromethane	8.182	129	39583	5.061	ug/L	96
50) 1,2-Dibromoethane	8.291	107	27694	4.995	ug/L	99
51) Chlorobenzene	8.822	112	120819	4.686	ug/L	98
52) Ethylbenzene	8.953	91	190346	4.591	ug/L	98
53) m,p-Xylene	9.079	106	74286	4.490	ug/L	97
54) o-Xylene	9.484	106	73156	4.646	ug/L	96
55) Styrene	9.503	104	125855	4.737	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	33195	4.777	ug/L	99
59) Bromoform	9.670	173	23054	4.801	ug/L	99
60) Isopropylbenzene	9.873	105	198842	4.521	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	23879	4.660	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	157350	4.395	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	158617	4.372	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	106624	4.721	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	108352	4.755	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	94628	4.659	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	5541	4.260	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.590	180	83690	4.680	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	61774	4.495	ug/L	99
71) Naphthalene	13.445	128	80888	4.105	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	52576	4.519	ug/L	99

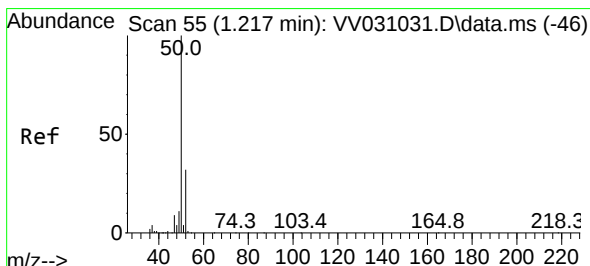
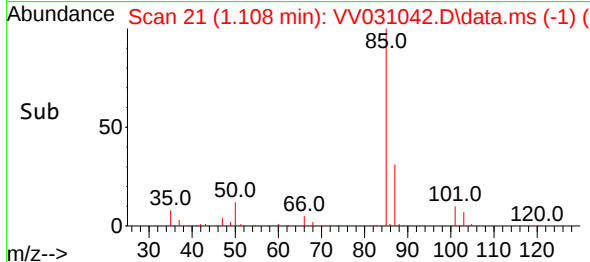
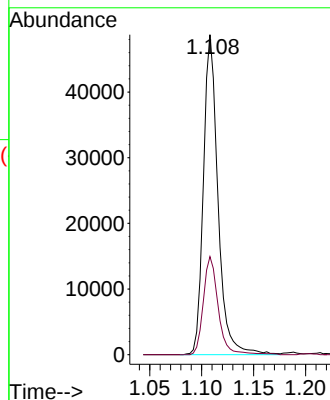
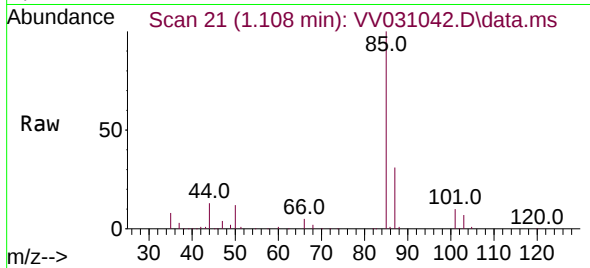
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.187 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

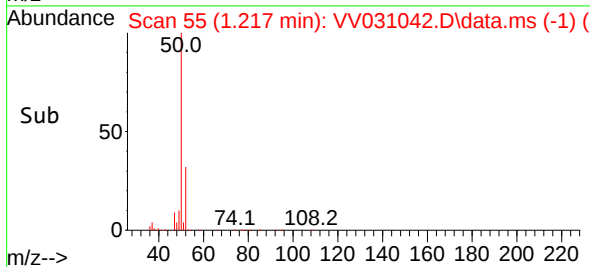
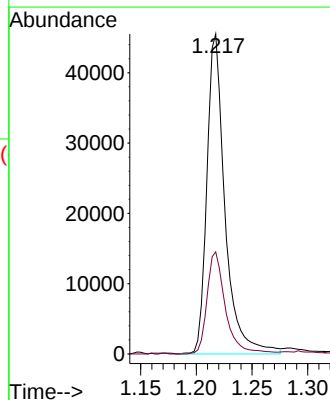
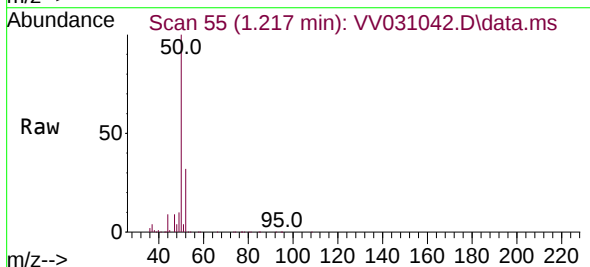
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005351

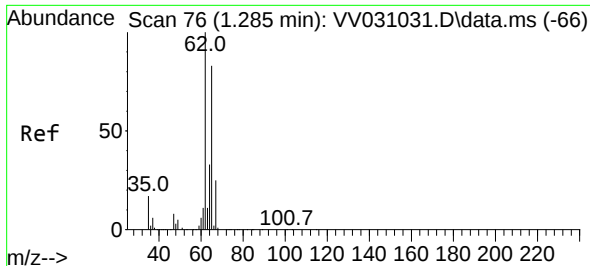
Tgt Ion: 85 Resp: 47647
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.8 38.6



#3
 Chloromethane
 Concen: 3.851 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

Tgt Ion: 50 Resp: 51437
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.8 42.4

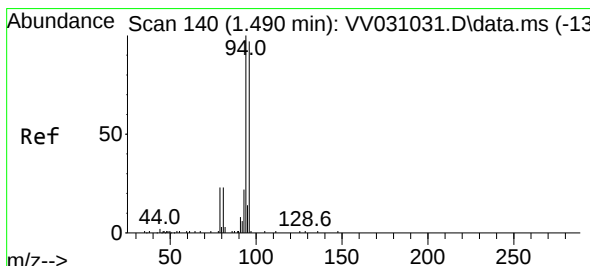
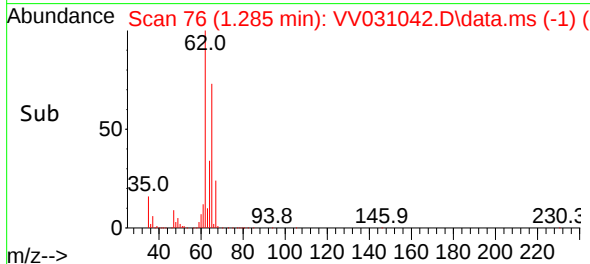
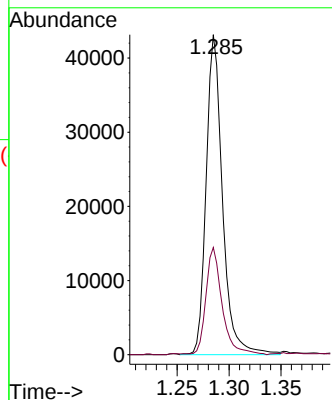
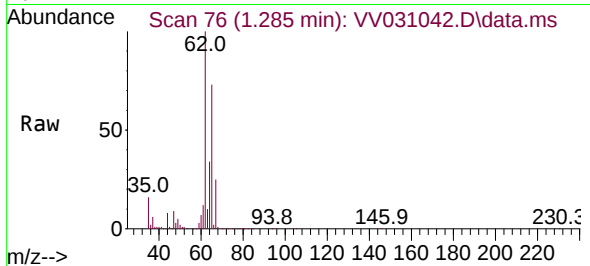




#5
 Vinyl chloride
 Concen: 4.216 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

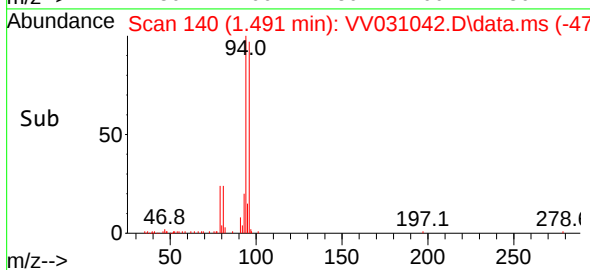
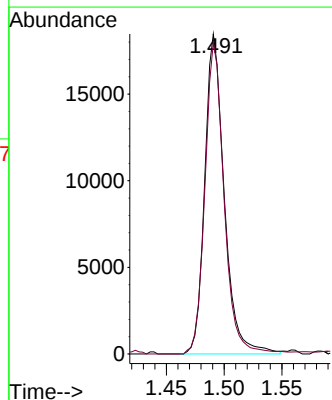
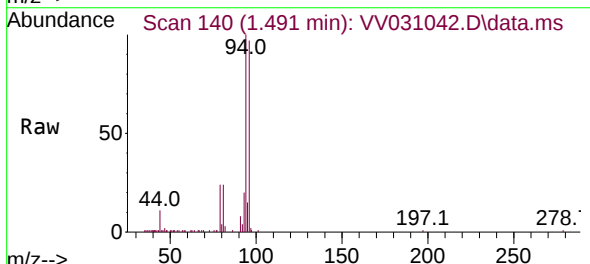
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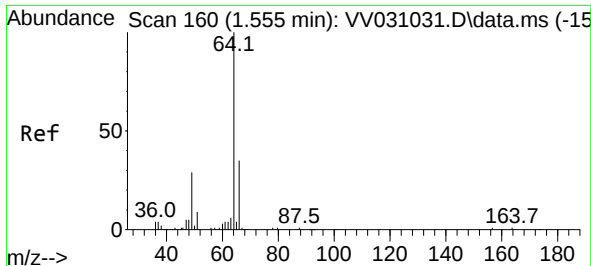
Tgt Ion: 62 Resp: 47129
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.8 42.4



#6
 Bromomethane
 Concen: 4.085 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

Tgt Ion: 94 Resp: 21750
 Ion Ratio Lower Upper
 94 100
 96 97.2 63.4 117.8

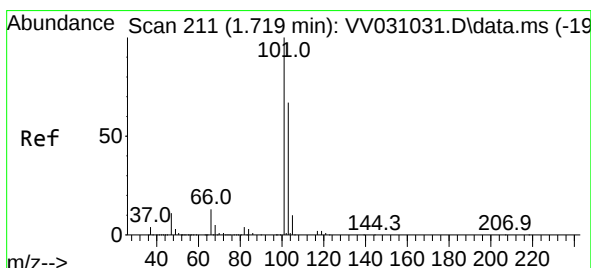
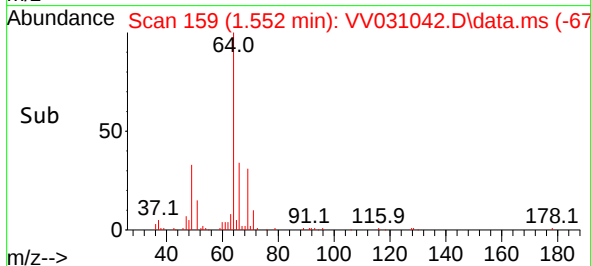
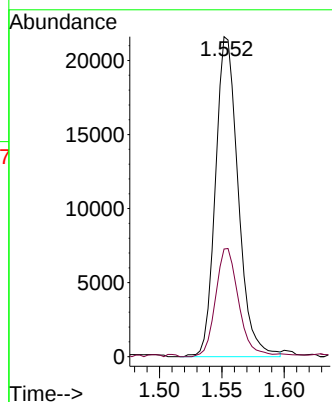
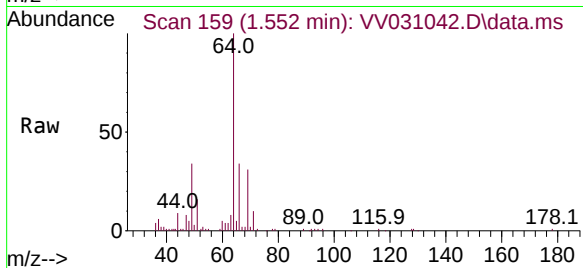




#8
Chloroethane
Concen: 4.033 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

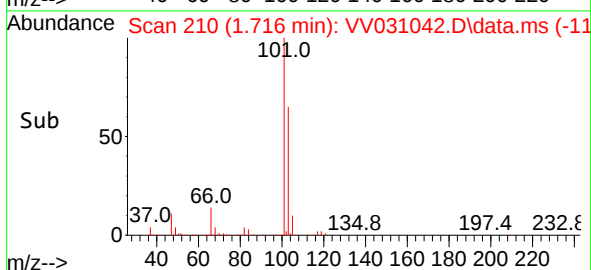
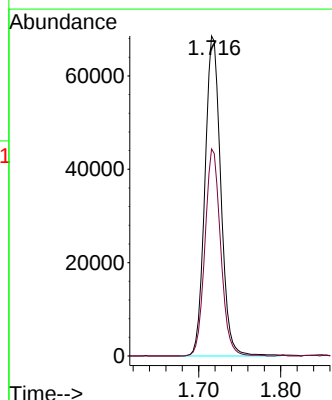
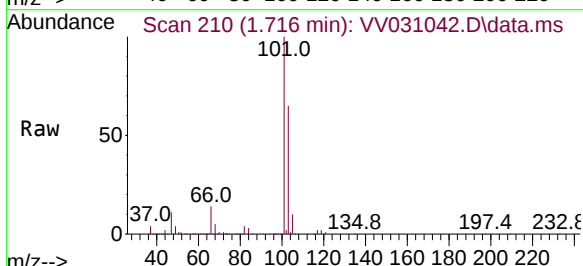
Instrument :
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ClientSampleId :
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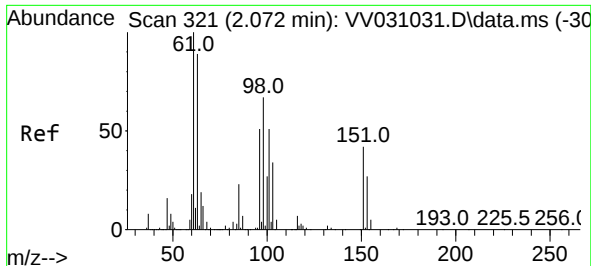
Tgt Ion: 64 Resp: 27442
Ion Ratio Lower Upper
64 100
66 33.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.458 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion:101 Resp: 91937
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8

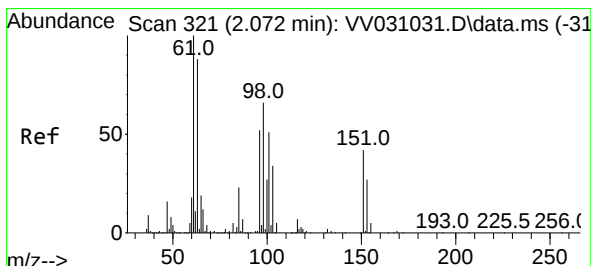
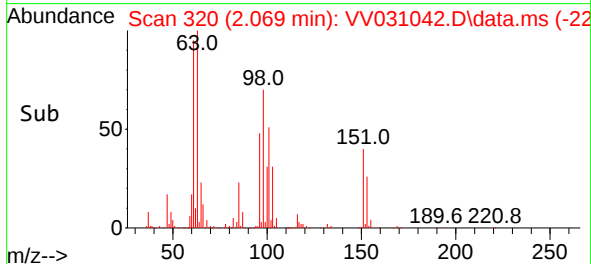
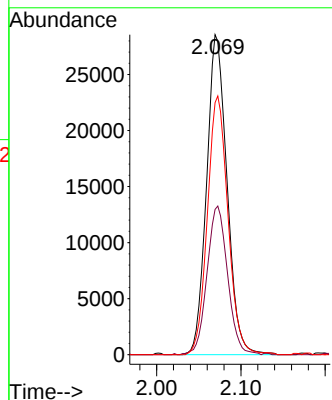
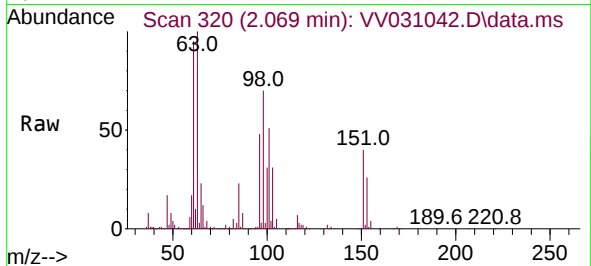




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.577 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

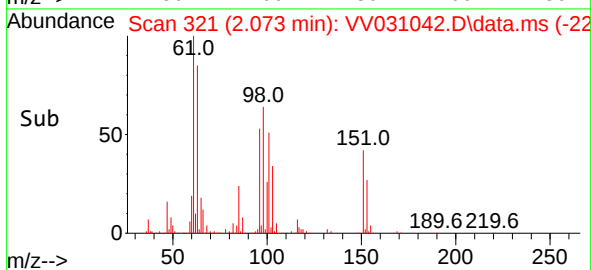
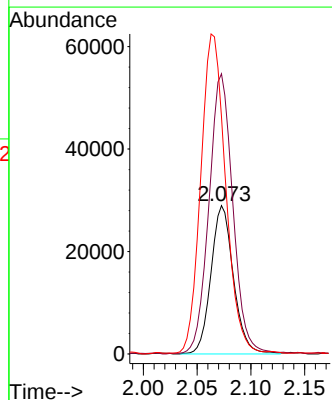
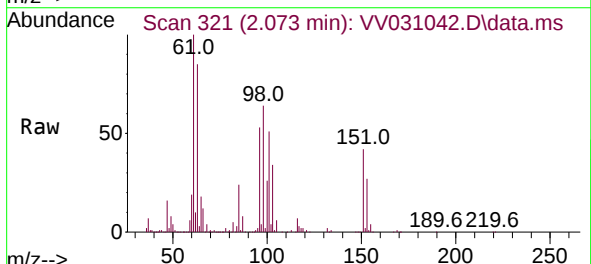
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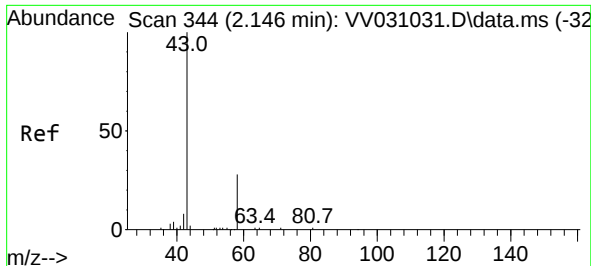
Tgt Ion:101 Resp: 48187
 Ion Ratio Lower Upper
 101 100
 85 46.8 38.7 58.1
 151 81.8 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 4.349 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

Tgt Ion: 96 Resp: 42166
 Ion Ratio Lower Upper
 96 100
 61 188.8 135.6 251.8
 63 159.9 121.1 224.9





#13

Acetone

Concen: 37.778 ug/L

RT: 2.166 min Scan# 31

Delta R.T. 0.019 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

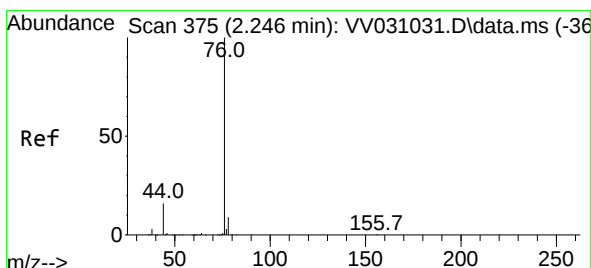
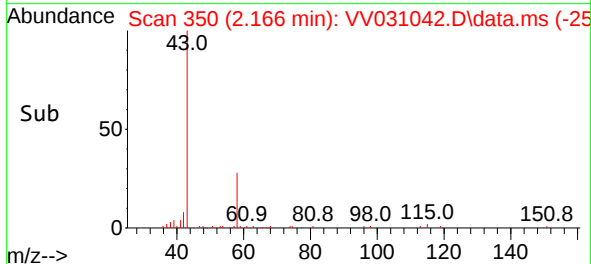
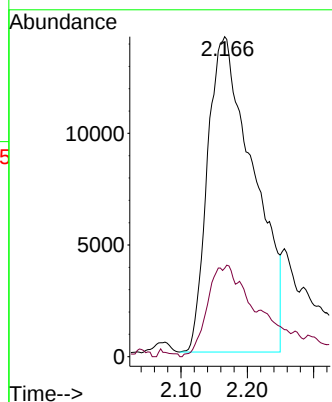
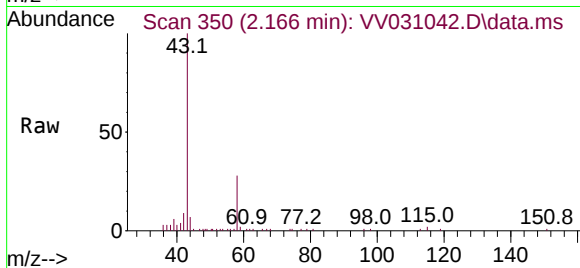
VSTD005351

Tgt Ion: 43 Resp: 67921

Ion Ratio Lower Upper

43 100

58 10.1 0.0 37.0



#14

Carbon disulfide

Concen: 3.589 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031042.D

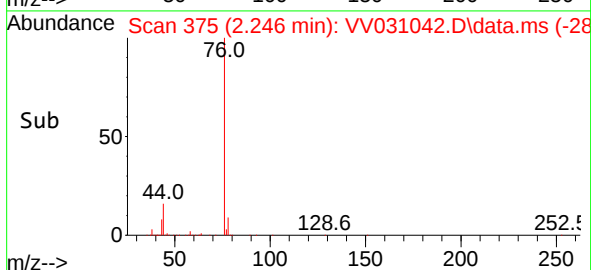
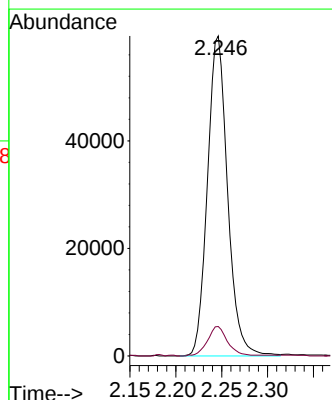
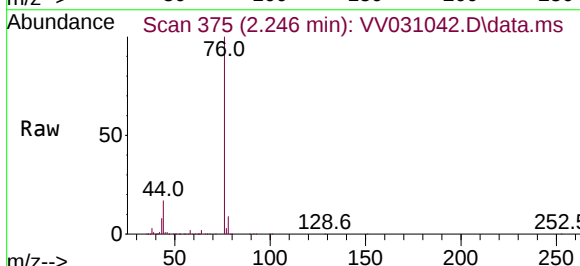
Acq: 16 May 2023 10:20

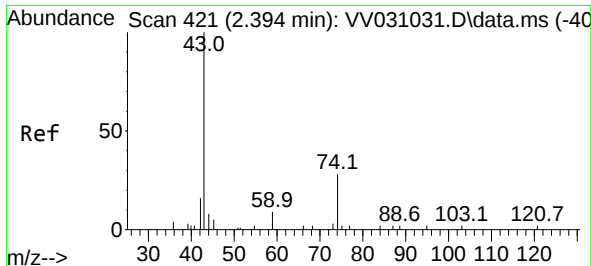
Tgt Ion: 76 Resp: 91036

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

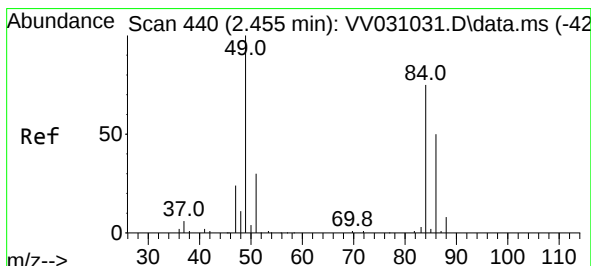
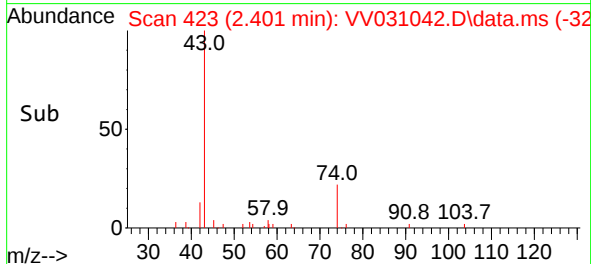
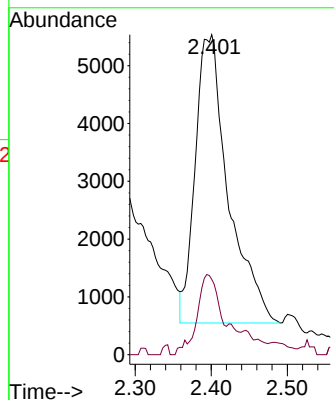
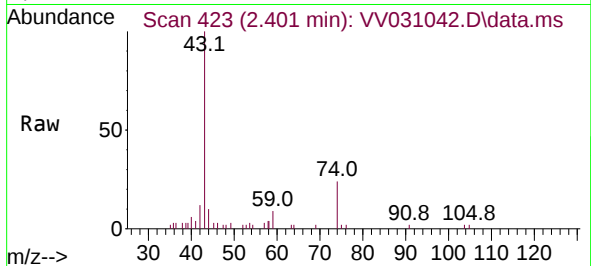




#15
Methyl Acetate
Concen: 4.130 ug/L
RT: 2.401 min Scan# 431
Delta R.T. 0.007 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

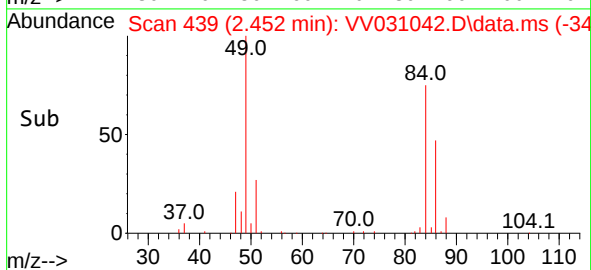
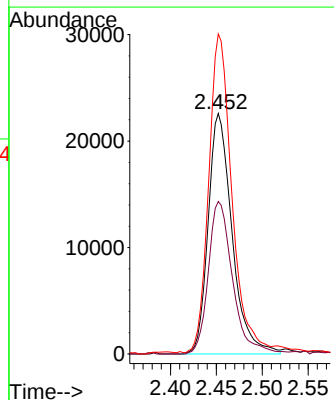
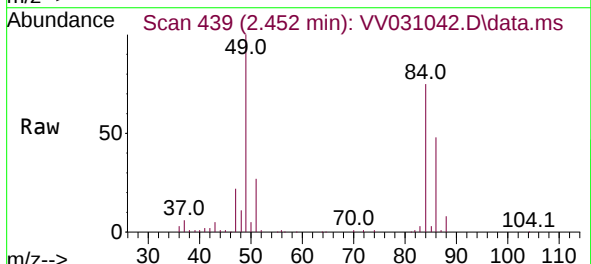
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

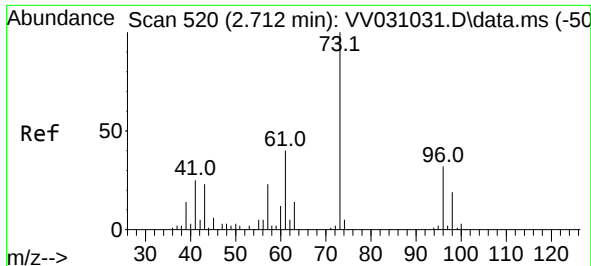
Tgt Ion: 43 Resp: 15105
Ion Ratio Lower Upper
43 100
74 18.7 15.0 22.6



#16
Methylene chloride
Concen: 3.744 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion: 84 Resp: 41060
Ion Ratio Lower Upper
84 100
86 63.4 46.1 85.5
49 133.0 94.3 175.1





#17

Methyl tert-butyl Ether

Concen: 4.666 ug/L

RT: 2.712 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005351

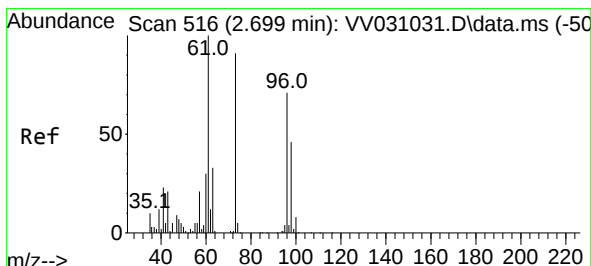
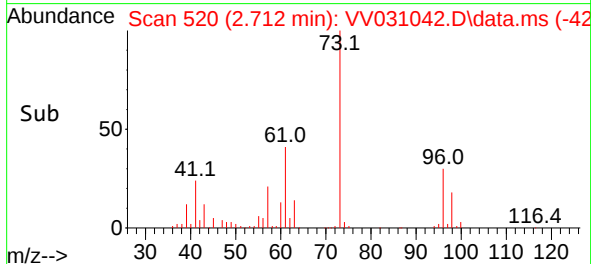
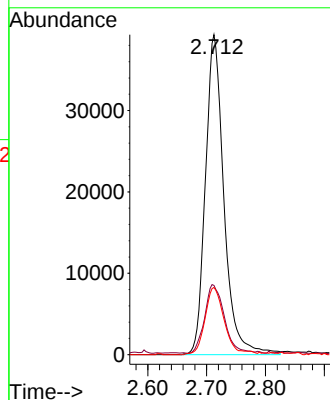
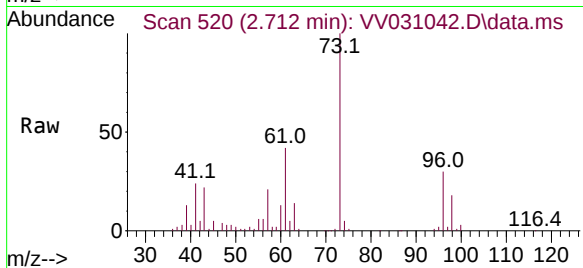
Tgt Ion: 73 Resp: 86117

Ion Ratio Lower Upper

73 100

43 22.7 19.9 29.9

57 22.0 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.308 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

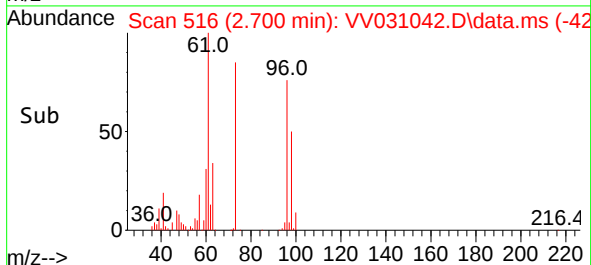
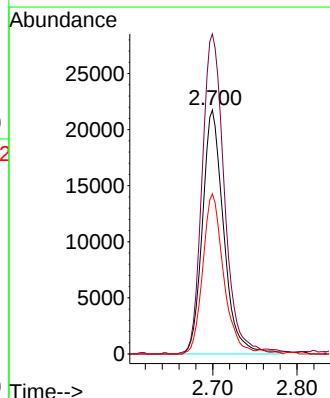
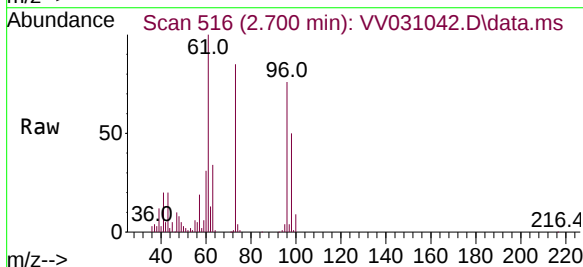
Tgt Ion: 96 Resp: 38150

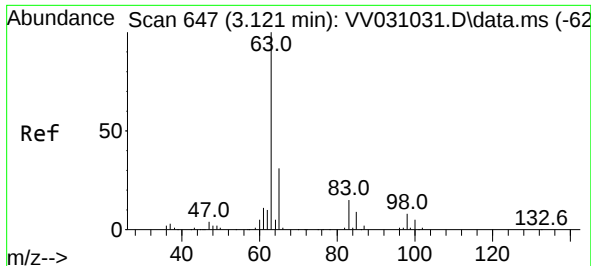
Ion Ratio Lower Upper

96 100

61 131.2 98.9 183.7

98 65.6 46.0 85.4





#19

1,1-Dichloroethane

Concen: 4.646 ug/L

RT: 3.118 min Scan# 647

Delta R.T. -0.003 min

Lab File: VV031042.D

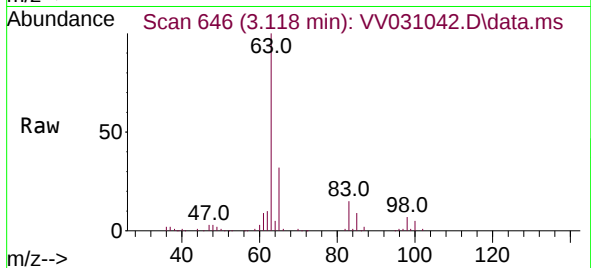
Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005351



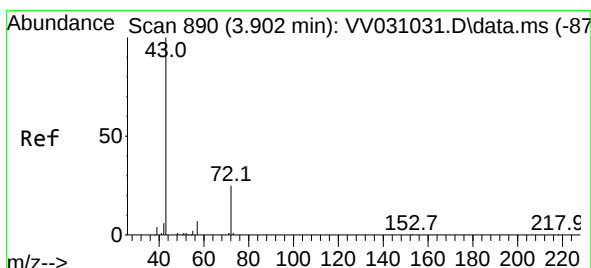
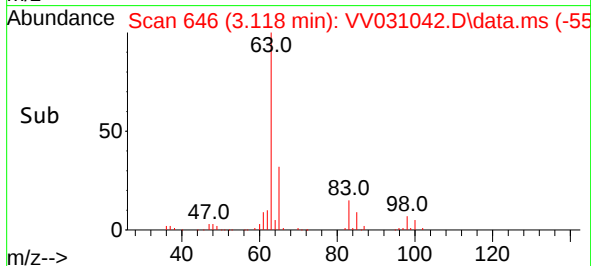
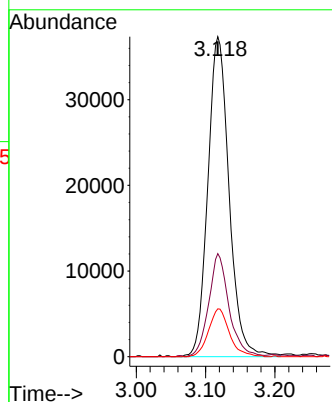
Tgt Ion: 63 Resp: 79446

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.6

83 14.9 10.2 19.0



#21

2-Butanone

Concen: 40.446 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.007 min

Lab File: VV031042.D

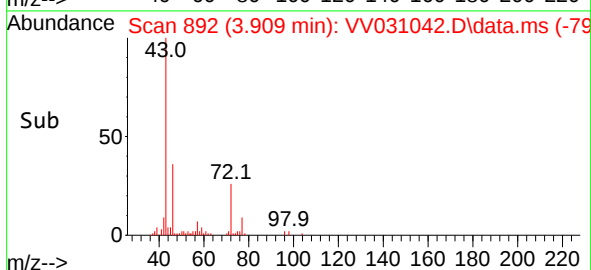
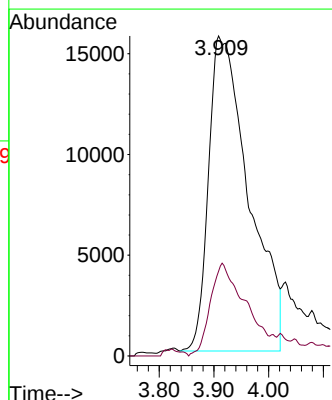
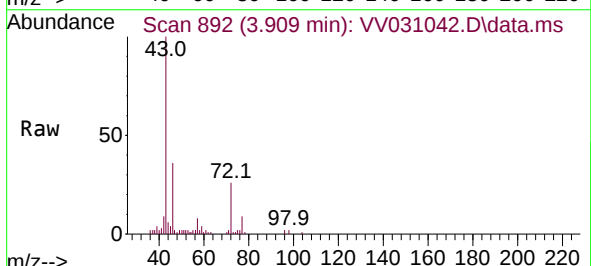
Acq: 16 May 2023 10:20

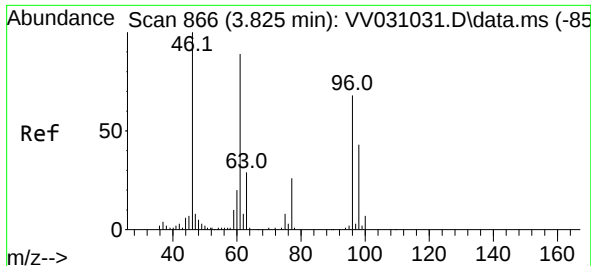
Tgt Ion: 43 Resp: 79975

Ion Ratio Lower Upper

43 100

72 25.7 9.6 28.6

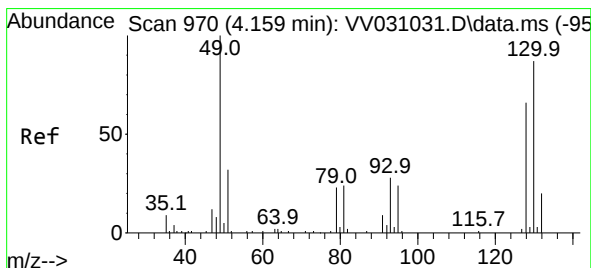
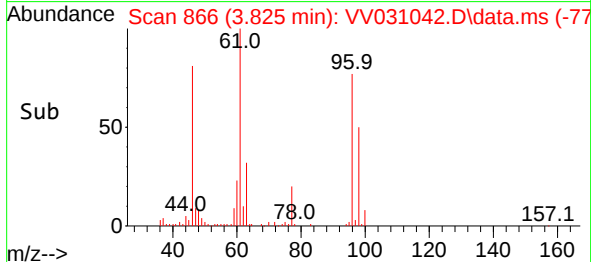
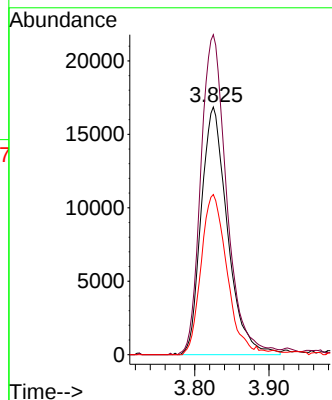
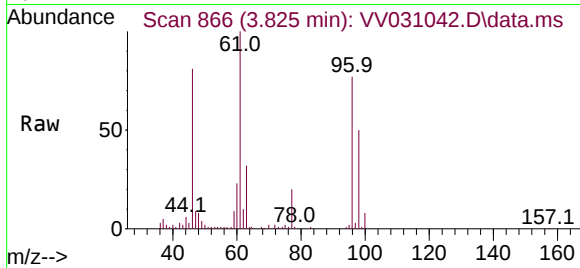




#22
 cis-1,2-Dichloroethene
 Concen: 4.436 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

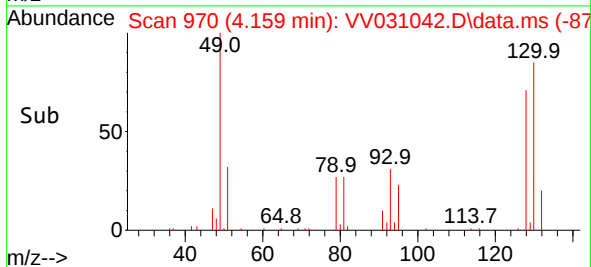
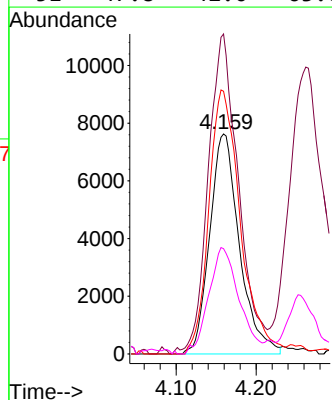
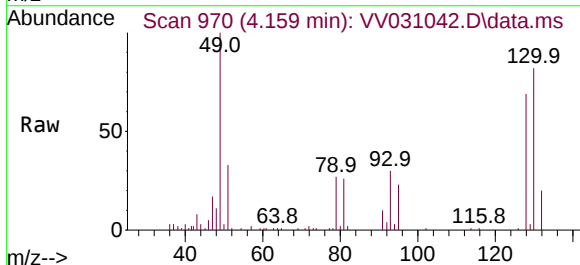
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005351

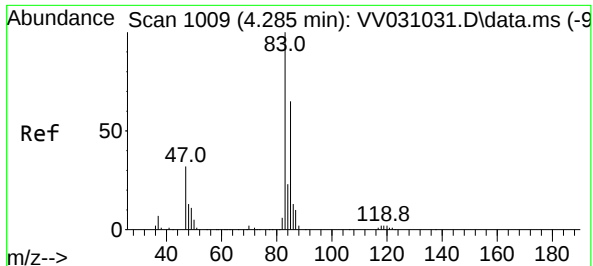
Tgt Ion: 96 Resp: 41447
 Ion Ratio Lower Upper
 96 100
 61 129.2 86.0 159.6
 98 64.7 43.2 80.2



#23
 Bromochloromethane
 Concen: 4.474 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

Tgt Ion: 128 Resp: 19680
 Ion Ratio Lower Upper
 128 100
 49 145.4 104.7 194.5
 130 119.4 93.4 173.4
 51 47.8 42.0 63.0

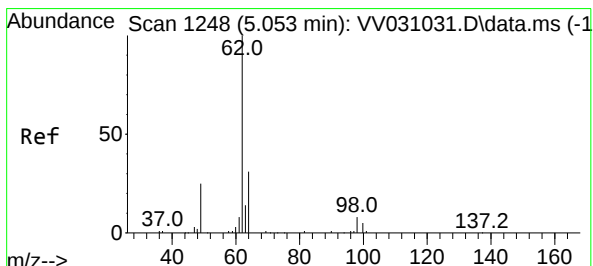
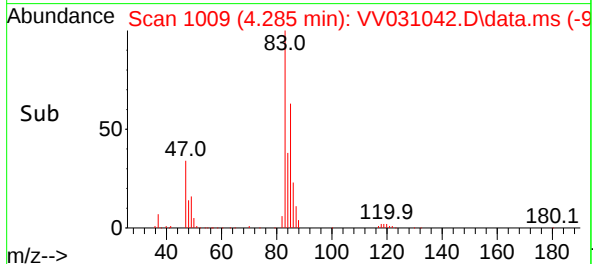
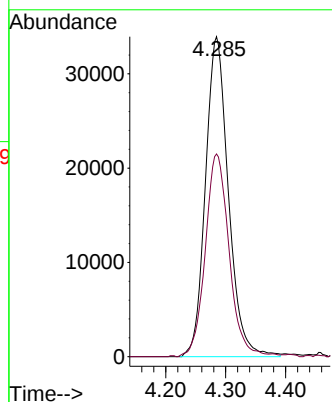
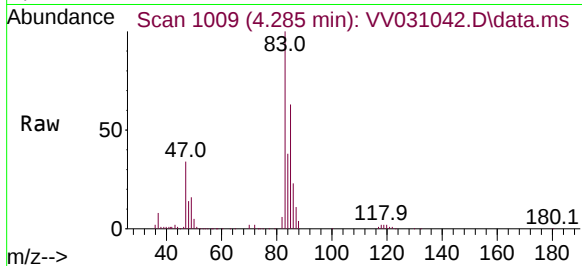




#25
Chloroform
Concen: 4.920 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

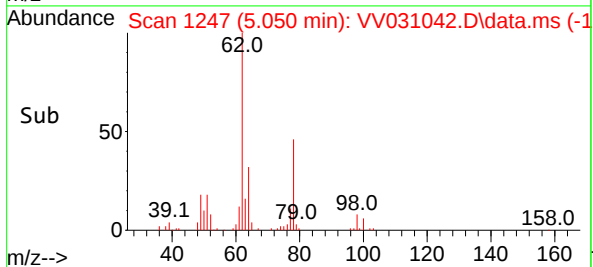
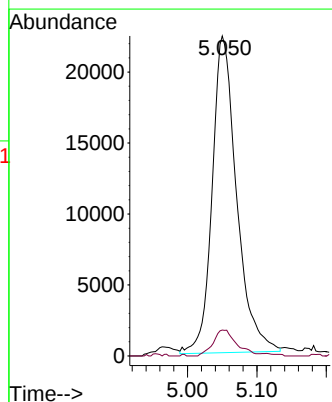
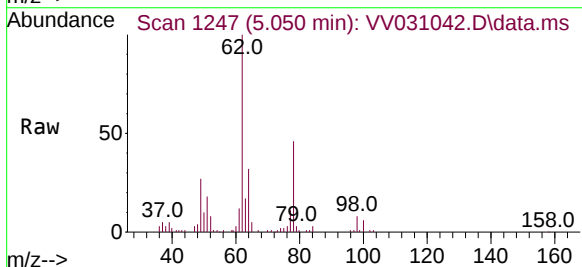
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

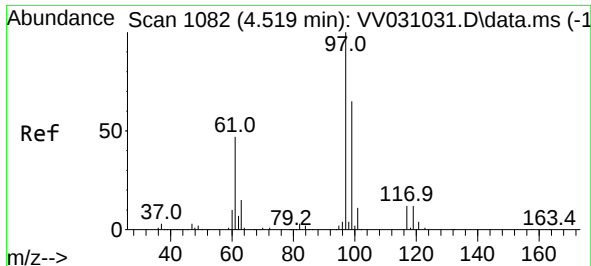
Tgt Ion: 83 Resp: 90265
Ion Ratio Lower Upper
83 100
85 63.4 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.758 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion: 62 Resp: 54791
Ion Ratio Lower Upper
62 100
98 8.1 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 4.771 ug/L

RT: 4.519 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005351

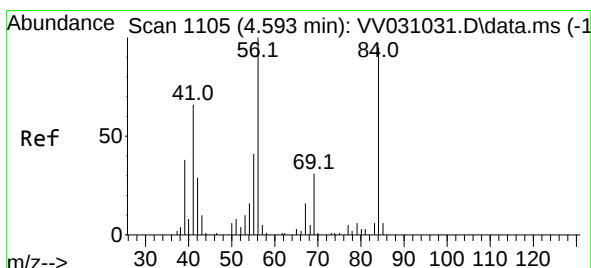
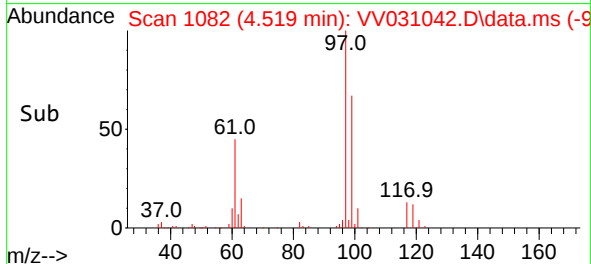
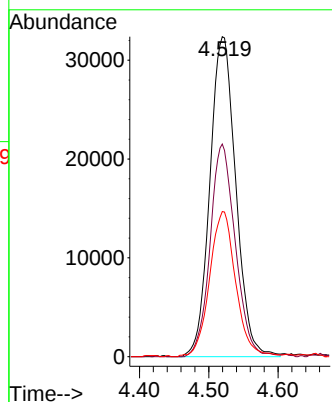
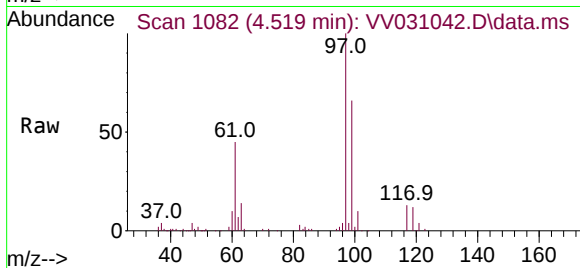
Tgt Ion: 97 Resp: 84191

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

61 45.7 37.4 56.0



#30

Cyclohexane

Concen: 3.942 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

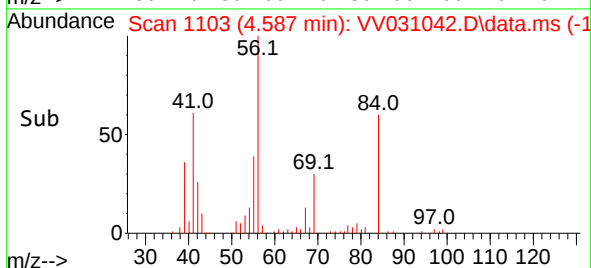
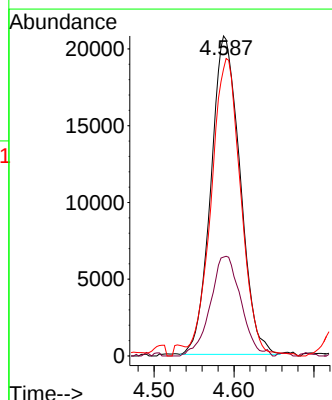
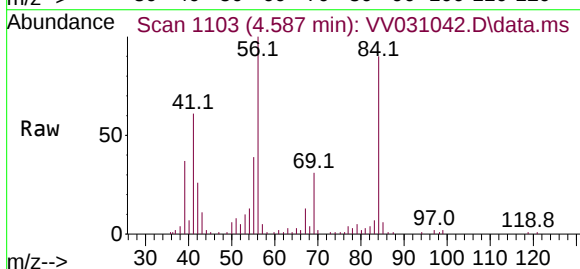
Tgt Ion: 56 Resp: 52538

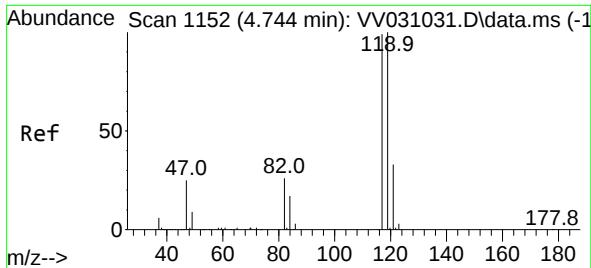
Ion Ratio Lower Upper

56 100

69 32.8 25.0 37.6

84 94.5 74.2 111.2

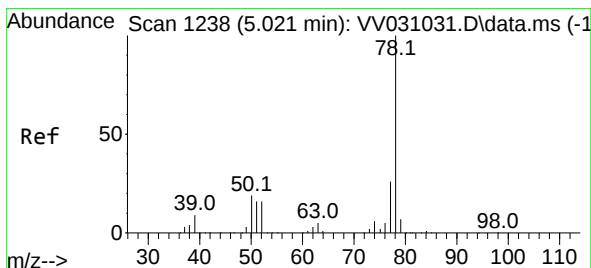
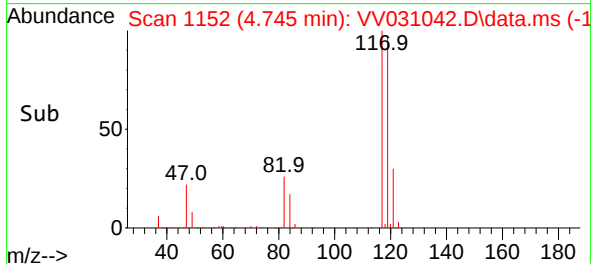
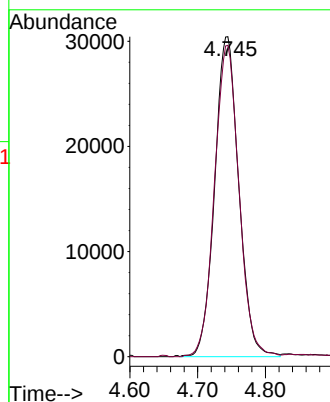
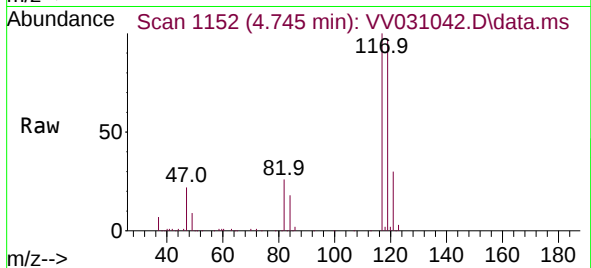




#31
Carbon tetrachloride
Concen: 4.740 ug/L
RT: 4.745 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

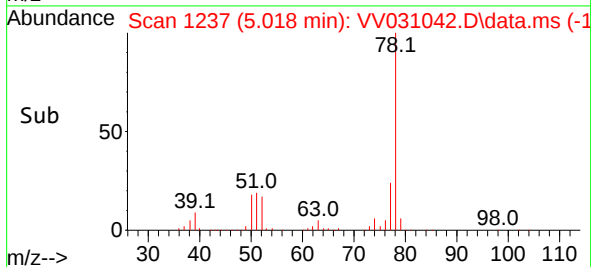
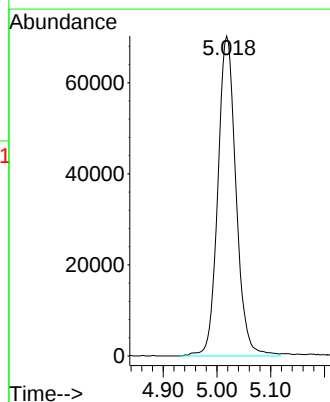
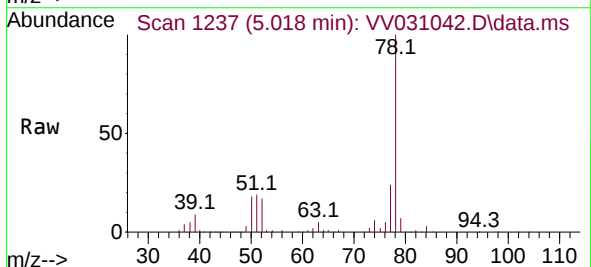
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

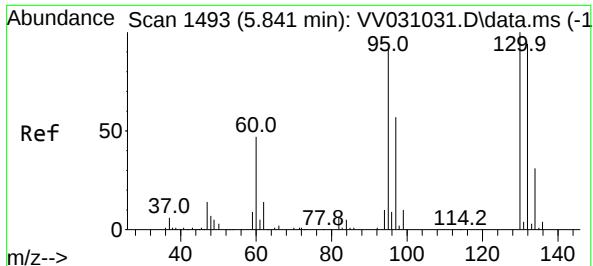
Tgt Ion:117 Resp: 75125
Ion Ratio Lower Upper
117 100
119 98.9 78.4 117.6



#33
Benzene
Concen: 4.671 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion: 78 Resp: 165004



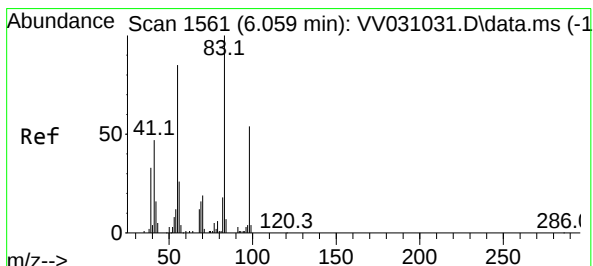
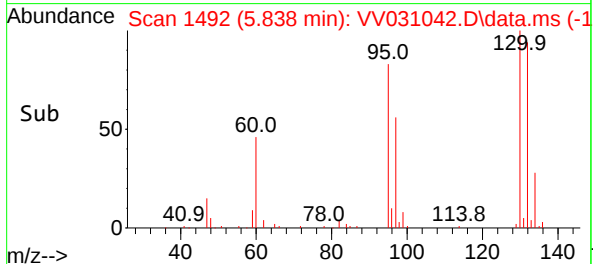
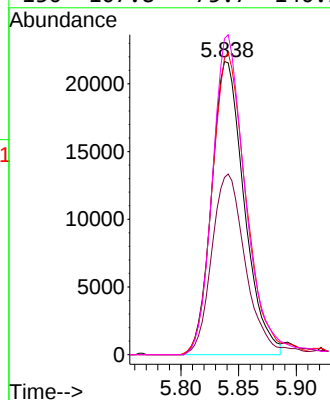
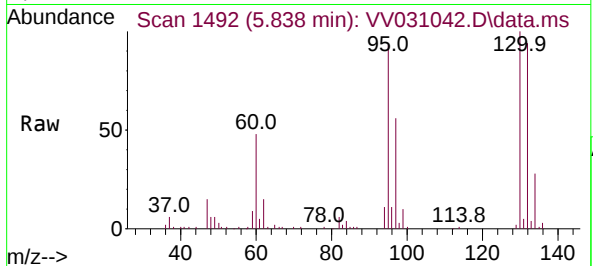


#34
Trichloroethene
Concen: 4.504 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

Tgt Ion: 95 Resp: 42412

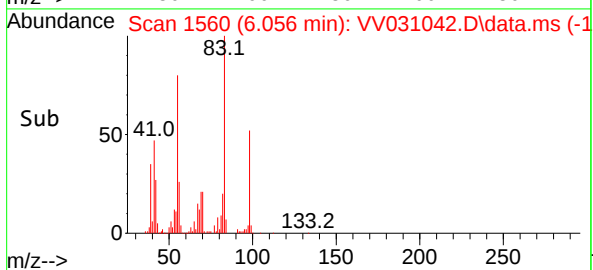
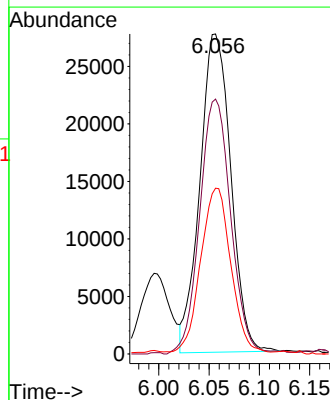
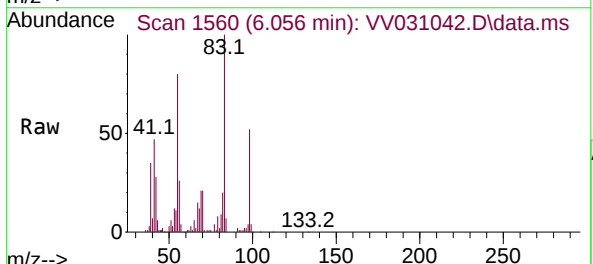
Ion	Ratio	Lower	Upper
95	100		
97	60.5	46.2	85.8
132	101.2	72.7	135.1
130	107.8	75.7	140.5

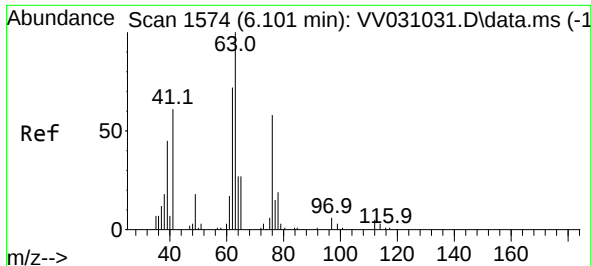


#35
Methylcyclohexane
Concen: 4.056 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion: 83 Resp: 59178

Ion	Ratio	Lower	Upper
83	100		
55	80.9	62.9	94.3
98	49.7	40.5	60.7





#37

1,2-Dichloropropane

Concen: 4.823 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

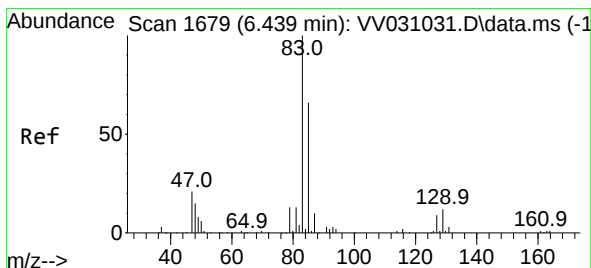
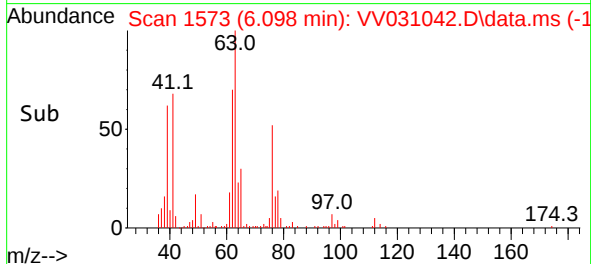
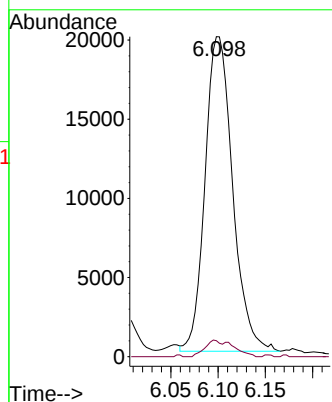
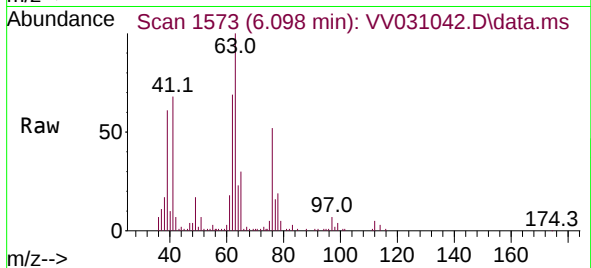
VSTD005351

Tgt Ion: 63 Resp: 40408

Ion Ratio Lower Upper

63 100

112 3.2 3.8 5.8#



#38

Bromodichloromethane

Concen: 4.830 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

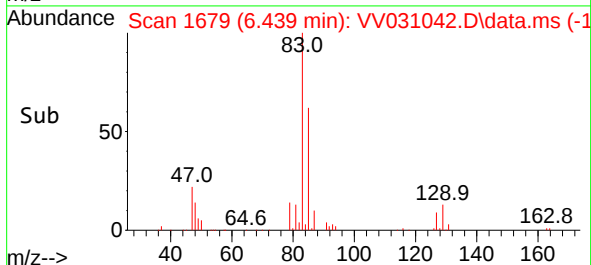
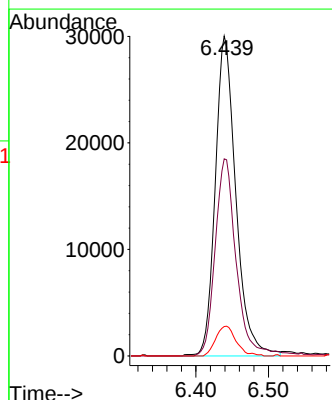
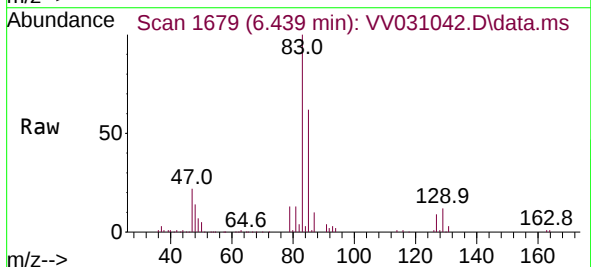
Tgt Ion: 83 Resp: 59224

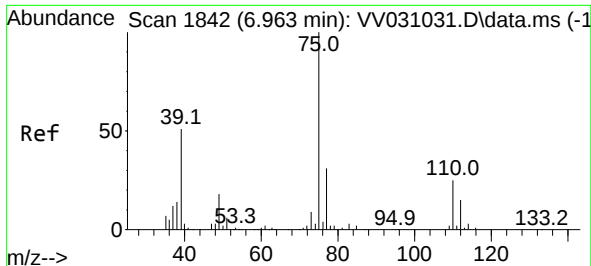
Ion Ratio Lower Upper

83 100

85 61.6 44.4 82.4

127 9.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.625 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

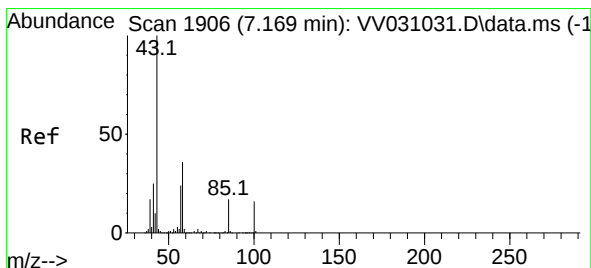
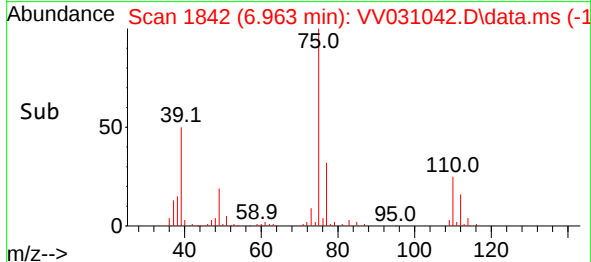
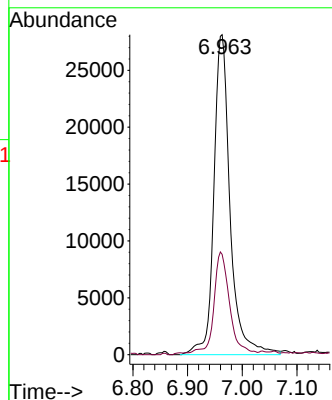
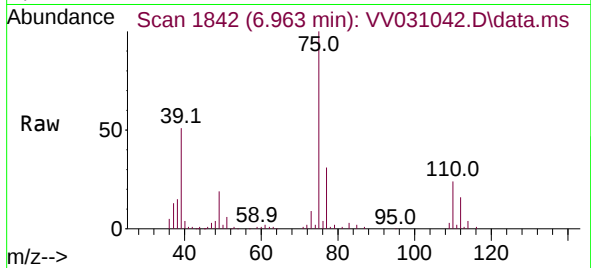
VSTD005351

Tgt Ion: 75 Resp: 58035

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 49.260 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

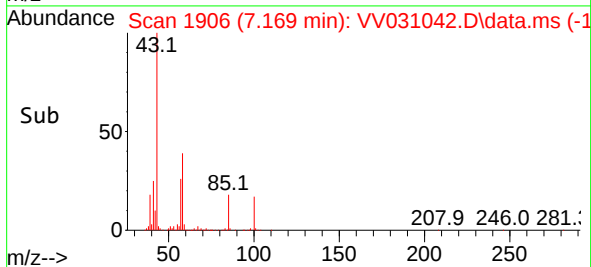
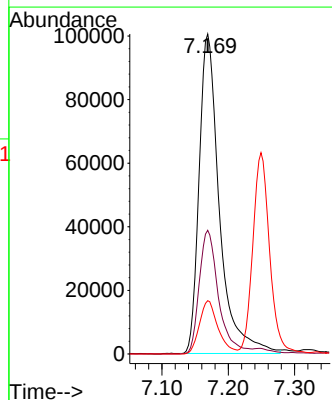
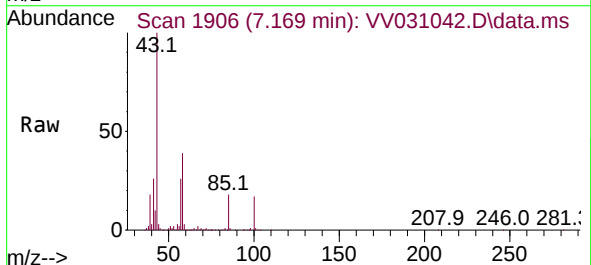
Tgt Ion: 43 Resp: 213836

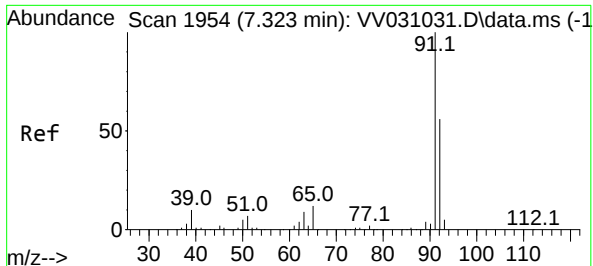
Ion Ratio Lower Upper

43 100

58 36.9 28.3 42.5

100 15.3 11.8 17.8





#42

Toluene

Concen: 4.784 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

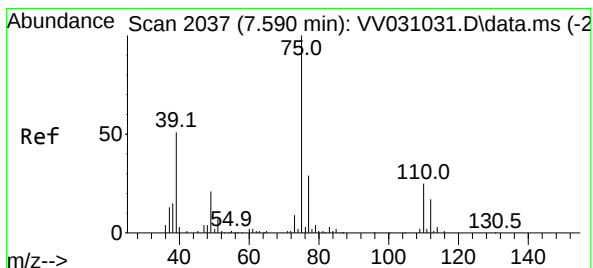
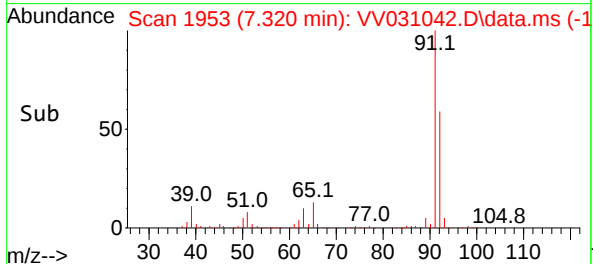
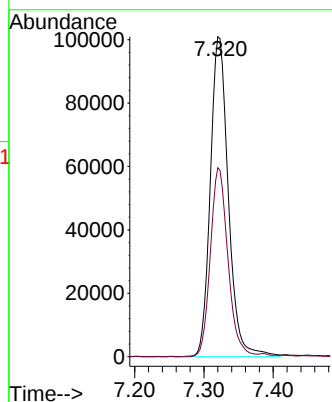
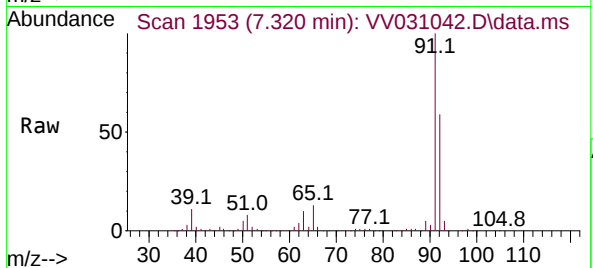
VSTD005351

Tgt Ion: 91 Resp: 181920

Ion Ratio Lower Upper

91 100

92 59.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.683 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV031042.D

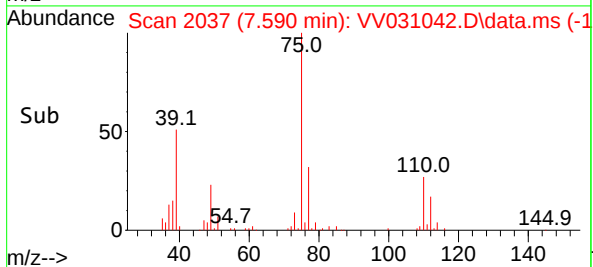
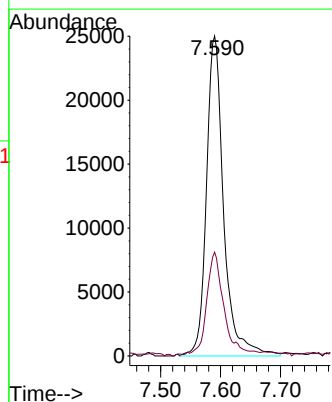
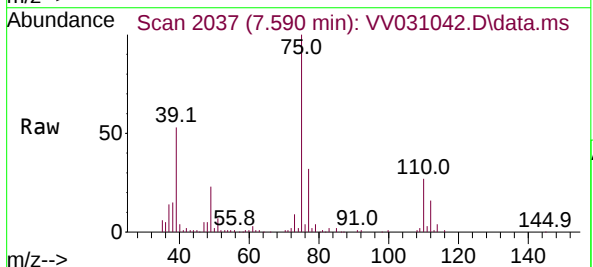
Acq: 16 May 2023 10:20

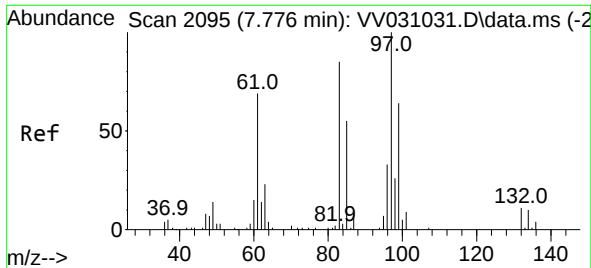
Tgt Ion: 75 Resp: 50066

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.0

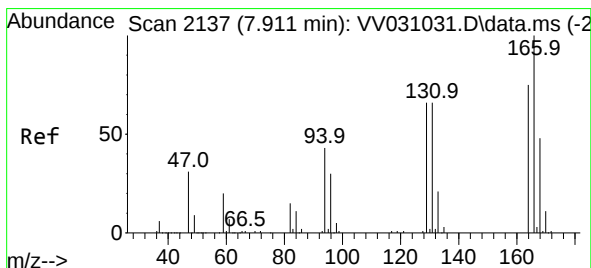
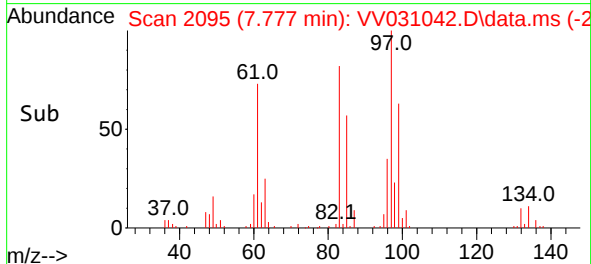
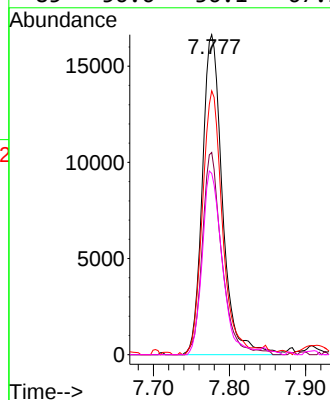
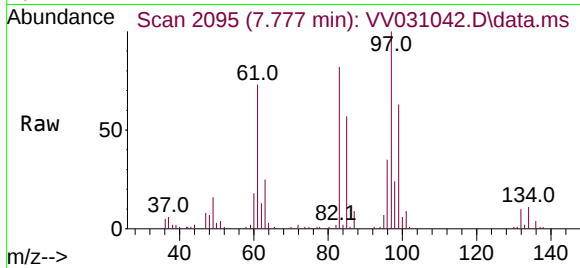




#45
1,1,2-Trichloroethane
Concen: 4.920 ug/L
RT: 7.777 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

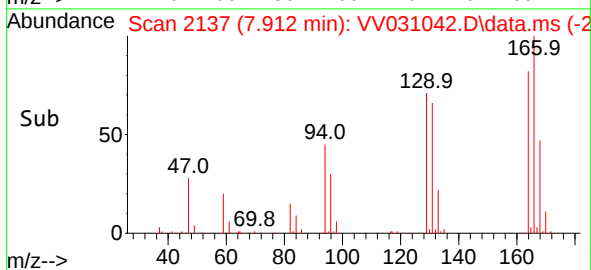
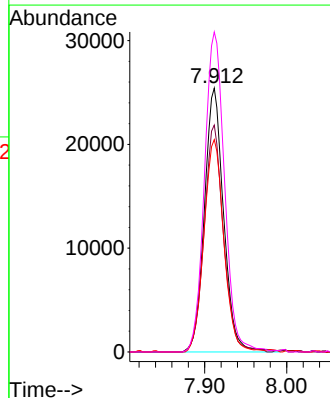
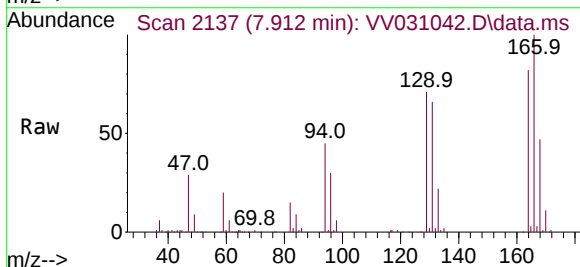
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

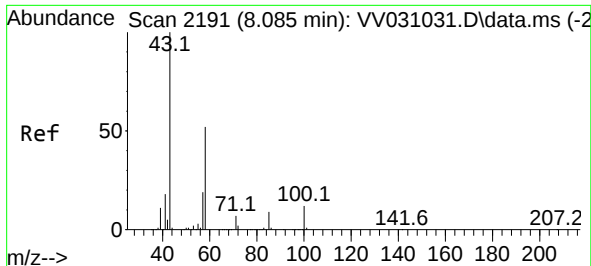
Tgt Ion: 97	Resp: 30588
Ion Ratio	Lower Upper
97 100	
99 63.2	42.8 79.6
83 82.5	57.5 106.7
85 56.6	36.1 67.1



#47
Tetrachloroethene
Concen: 4.613 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt	Ion:164	Resp:	41439
Ion	Ratio	Lower	Upper
164	100		
129	86.0	60.5	112.3
131	80.5	60.8	112.8
166	121.3	85.9	159.5

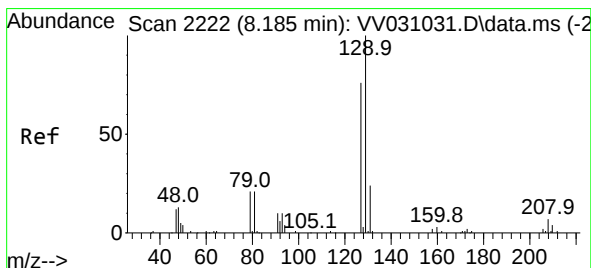
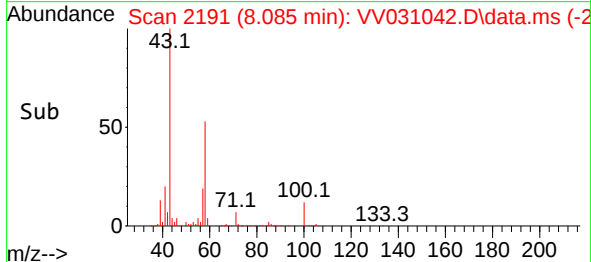
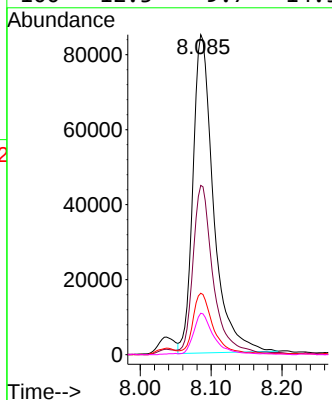
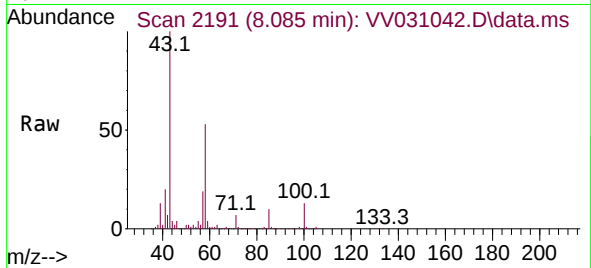




#48
2-Hexanone
Concen: 51.504 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

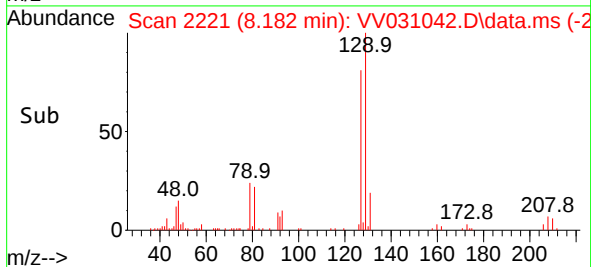
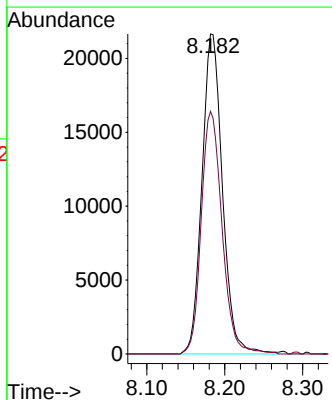
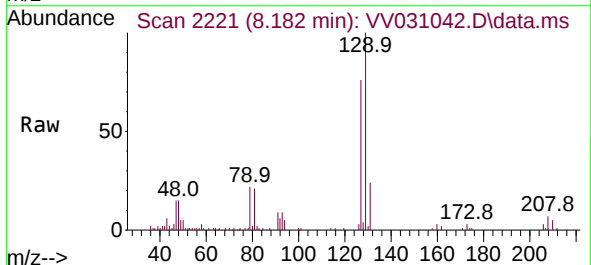
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

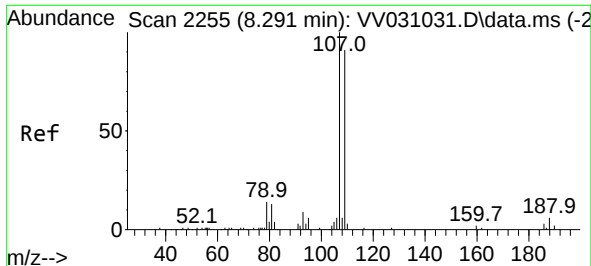
Tgt Ion: 43 Resp: 171481
Ion Ratio Lower Upper
43 100
58 50.7 39.9 59.9
57 18.8 14.1 21.1
100 12.3 9.7 14.5



#49
Dibromochloromethane
Concen: 5.061 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.003 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion: 129 Resp: 39583
Ion Ratio Lower Upper
129 100
127 75.8 55.3 102.7





#50

1,2-Dibromoethane

Concen: 4.995 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005351

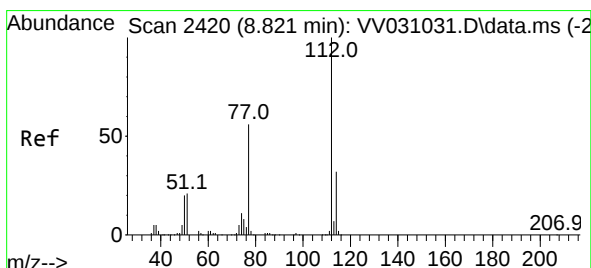
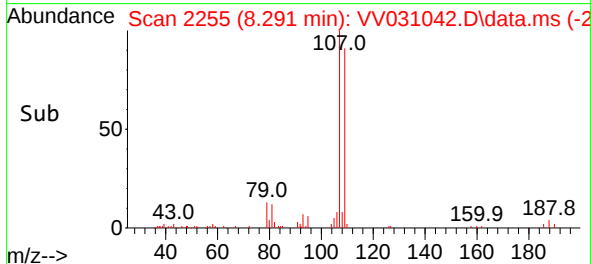
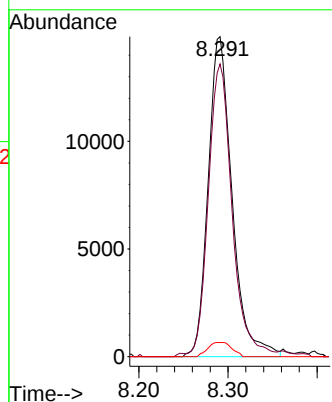
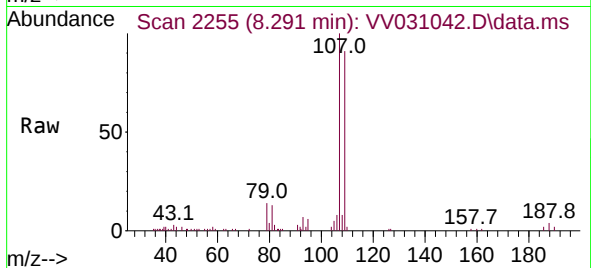
Tgt Ion:107 Resp: 27694

Ion Ratio Lower Upper

107 100

109 91.5 64.9 120.5

188 4.4 3.2 4.8



#51

Chlorobenzene

Concen: 4.686 ug/L

RT: 8.822 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

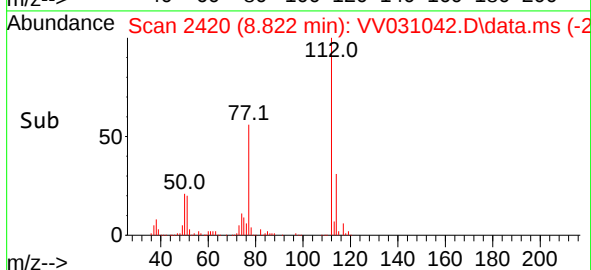
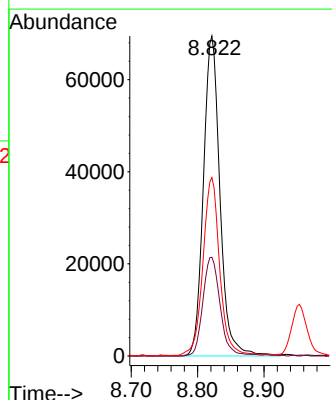
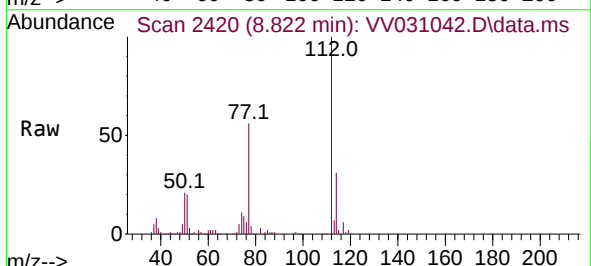
Tgt Ion:112 Resp: 120819

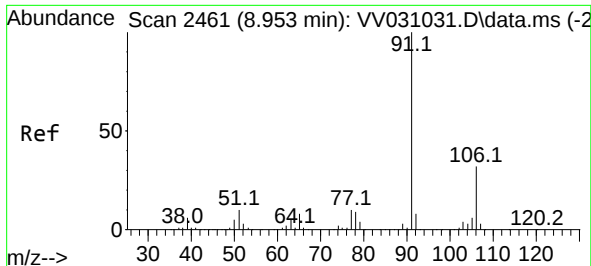
Ion Ratio Lower Upper

112 100

114 30.8 22.5 41.9

77 55.7 45.3 67.9





#52

Ethylbenzene

Concen: 4.591 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

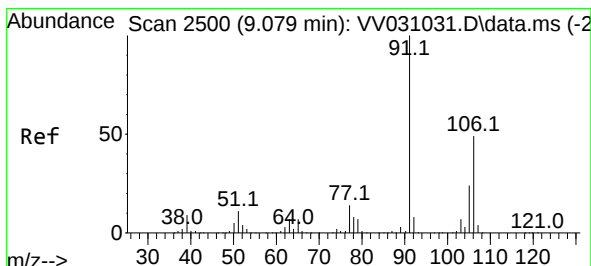
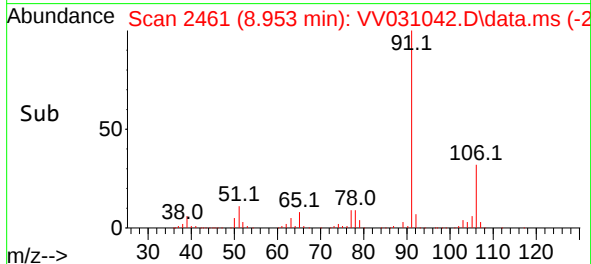
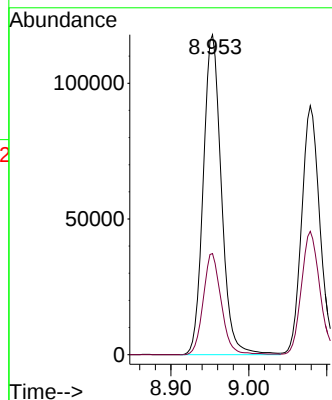
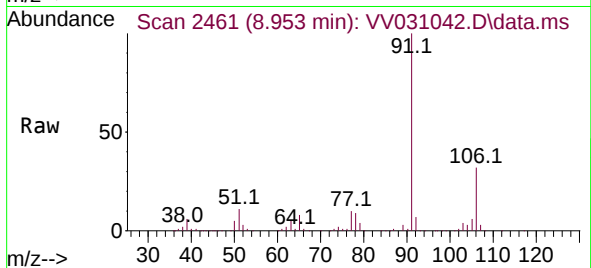
VSTD005351

Tgt Ion: 91 Resp: 190346

Ion Ratio Lower Upper

91 100

106 31.6 21.4 39.8



#53

m,p-Xylene

Concen: 4.490 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031042.D

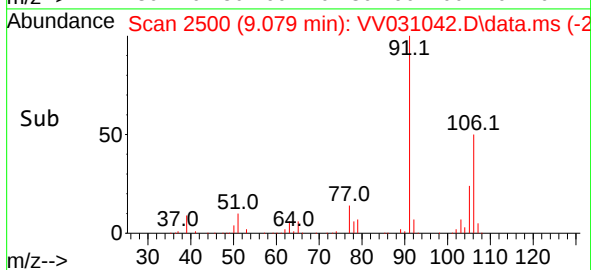
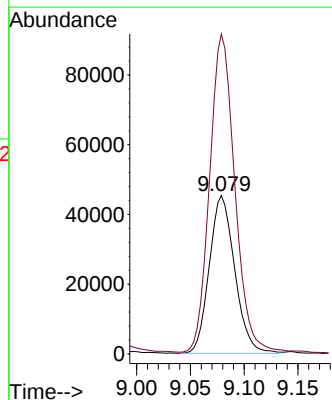
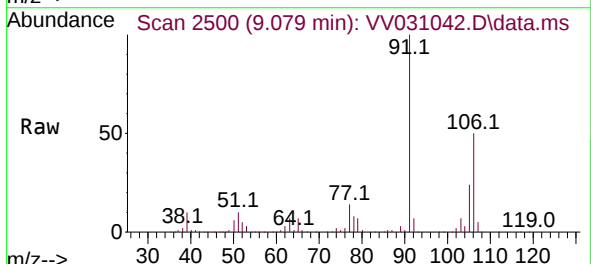
Acq: 16 May 2023 10:20

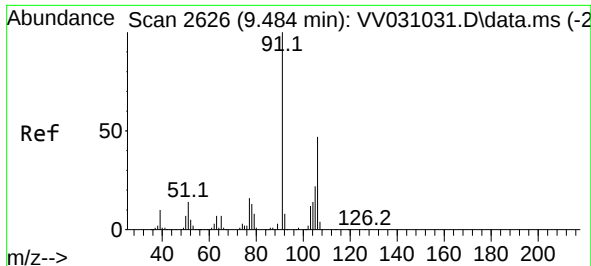
Tgt Ion: 106 Resp: 74286

Ion Ratio Lower Upper

106 100

91 202.0 138.7 257.5

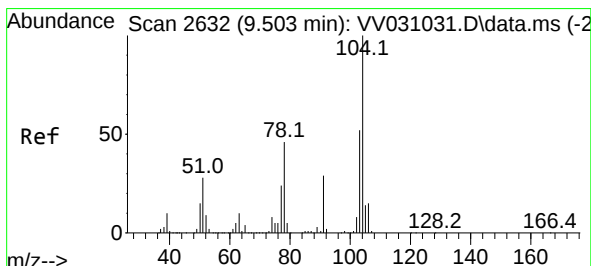
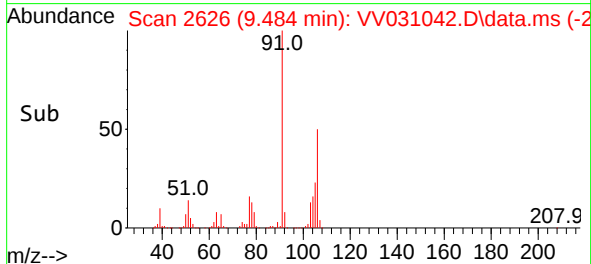
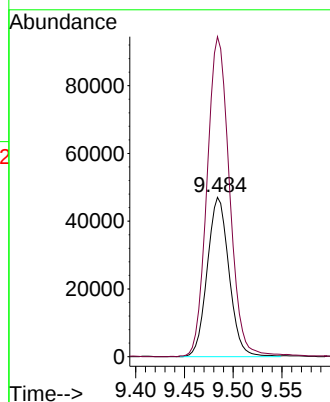
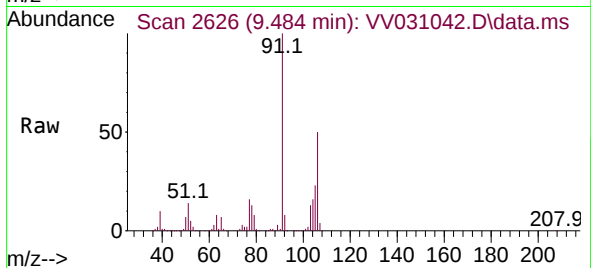




#54
o-Xylene
Concen: 4.646 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

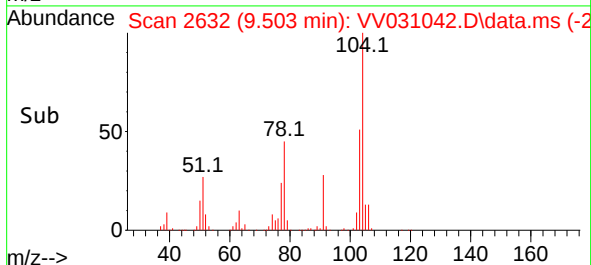
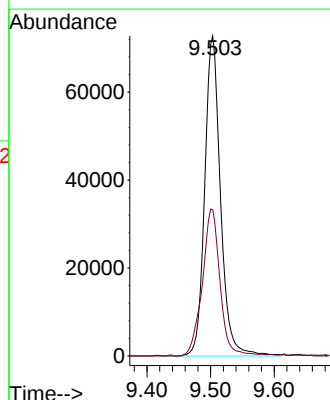
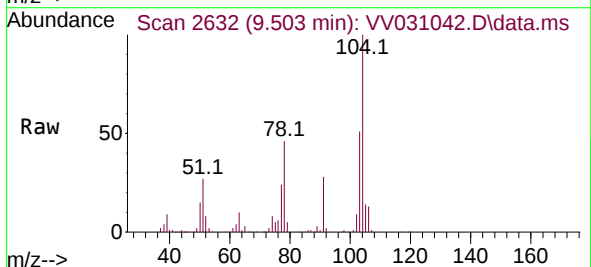
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

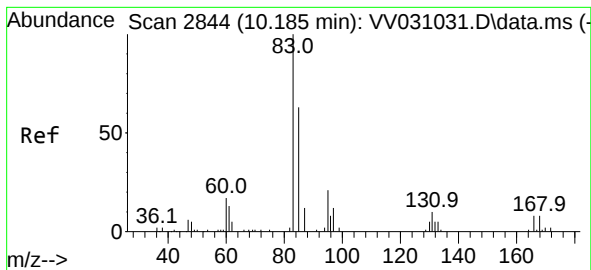
Tgt Ion:106 Resp: 73156
Ion Ratio Lower Upper
106 100
91 200.8 145.1 269.5



#55
Styrene
Concen: 4.737 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion:104 Resp: 125855
Ion Ratio Lower Upper
104 100
78 45.7 31.4 58.2

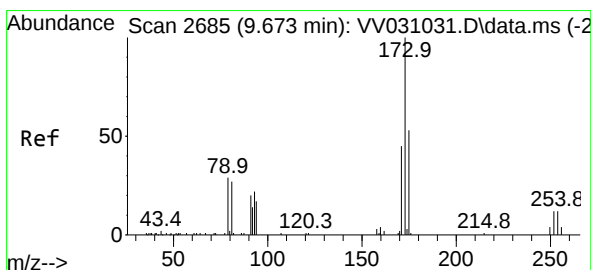
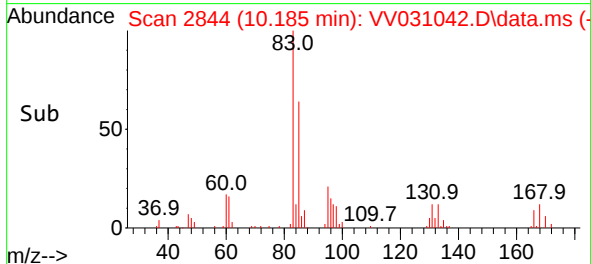
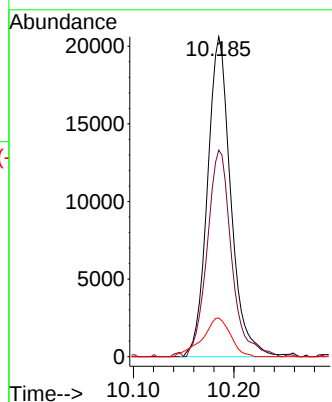
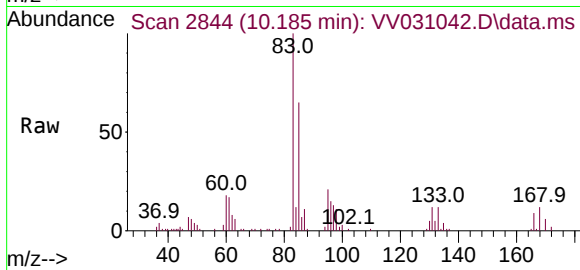




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.777 ug/L
 RT: 10.185 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

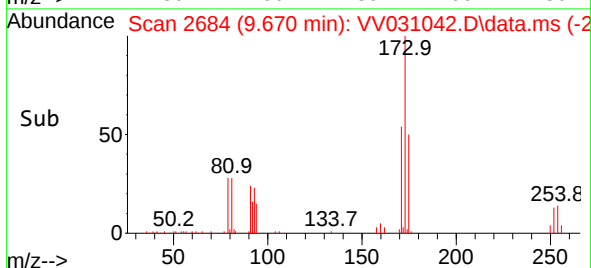
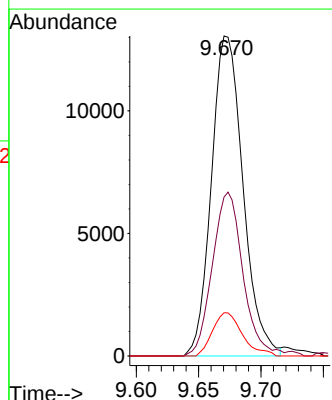
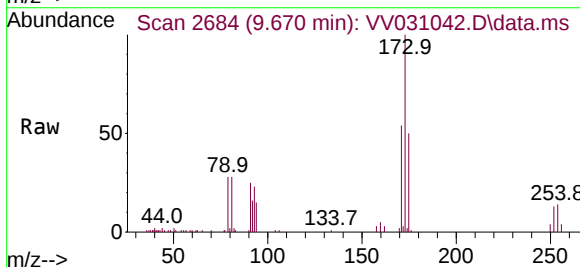
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005351

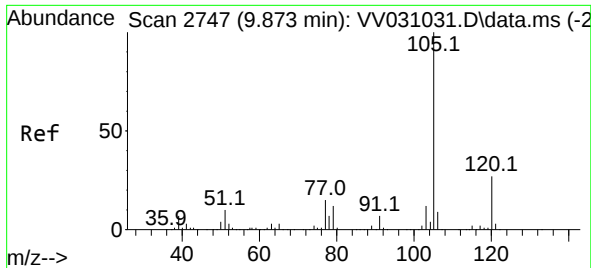
Tgt Ion: 83 Resp: 33195
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.2 84.0
 131 12.1 8.3 12.5



#59
 Bromoform
 Concen: 4.801 ug/L
 RT: 9.670 min Scan# 2684
 Delta R.T. -0.003 min
 Lab File: VV031042.D
 Acq: 16 May 2023 10:20

Tgt Ion: 173 Resp: 23054
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.9 59.9
 254 12.8 9.7 14.5

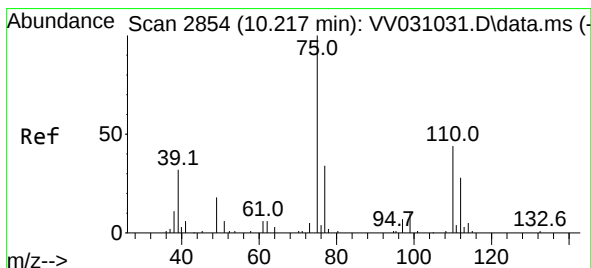
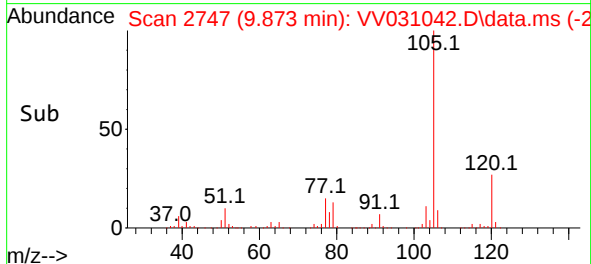
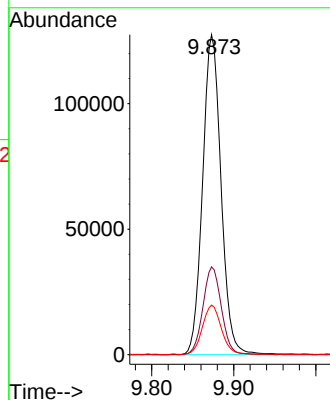
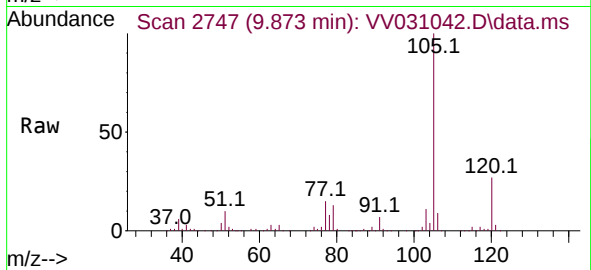




#60
Isopropylbenzene
Concen: 4.521 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

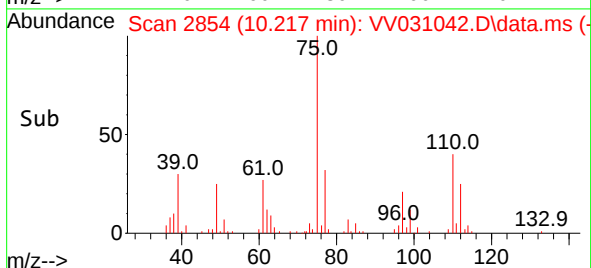
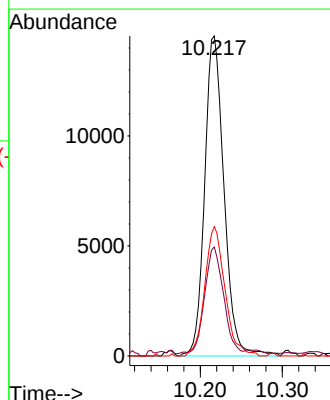
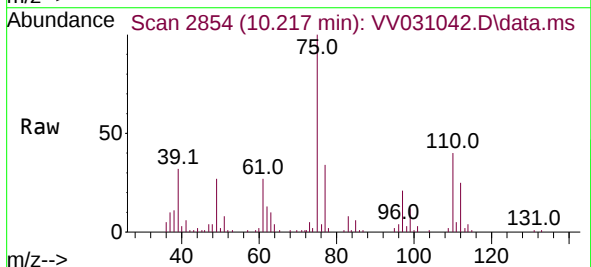
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

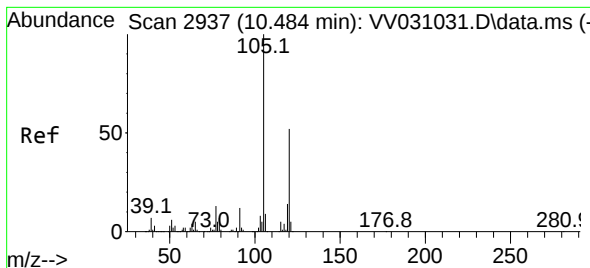
Tgt Ion:105 Resp: 198842
Ion Ratio Lower Upper
105 100
120 27.5 22.2 33.4
77 15.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.660 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion: 75 Resp: 23879
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
110 42.0 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 4.395 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

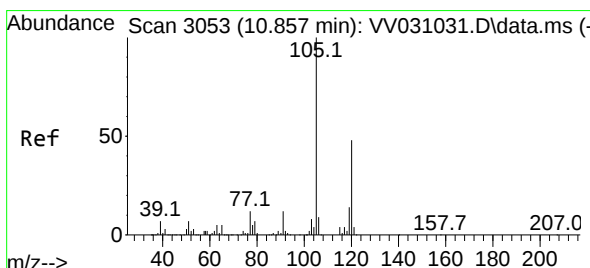
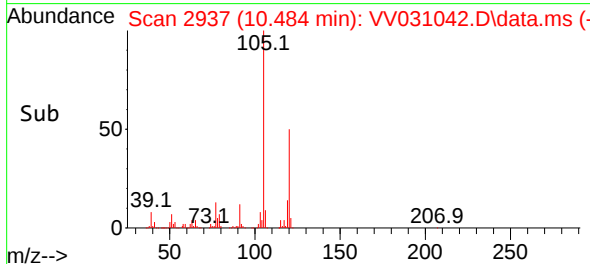
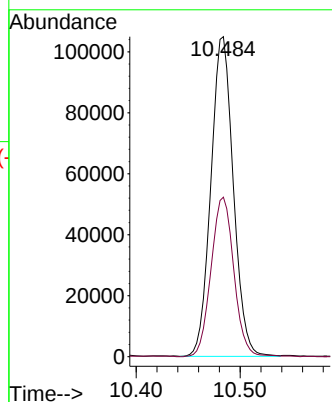
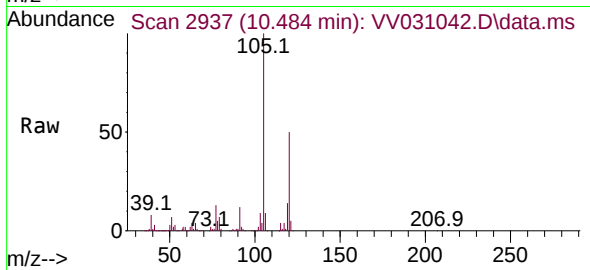
VSTD005351

Tgt Ion:105 Resp: 157350

Ion Ratio Lower Upper

105 100

120 50.7 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.372 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031042.D

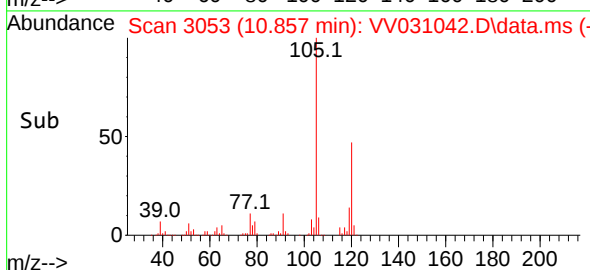
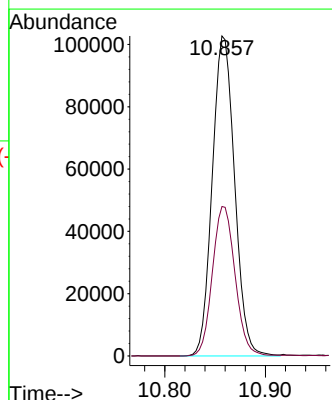
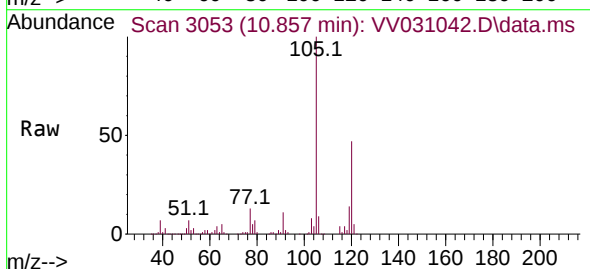
Acq: 16 May 2023 10:20

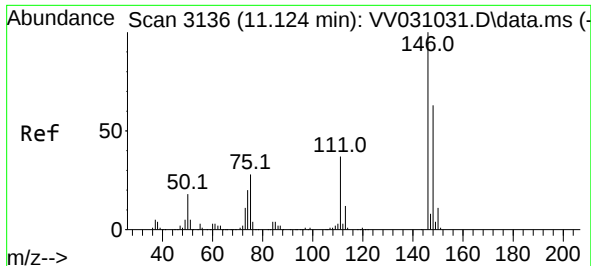
Tgt Ion:105 Resp: 158617

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

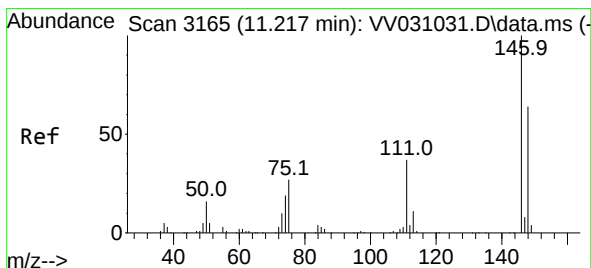
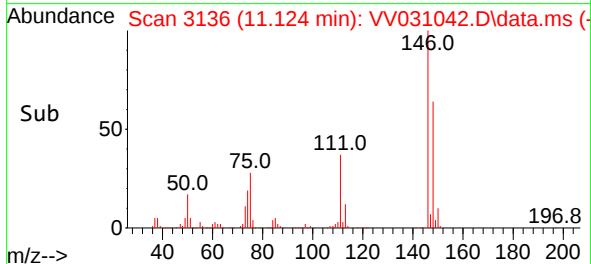
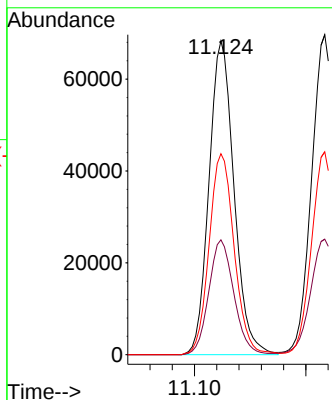
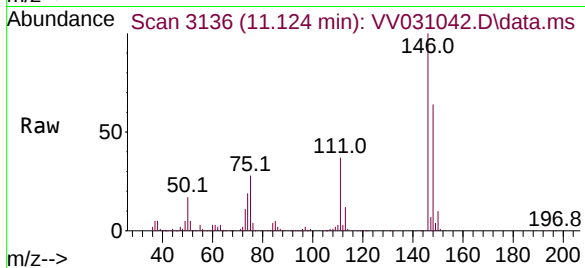




#64
1,3-Dichlorobenzene
Concen: 4.721 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

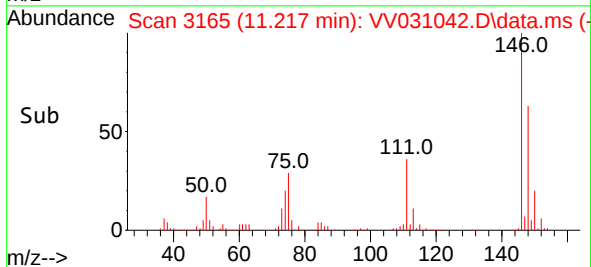
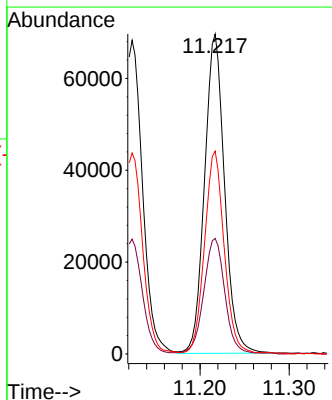
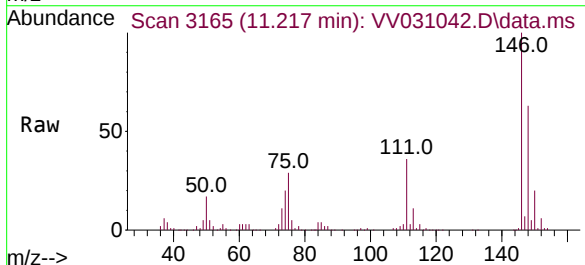
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

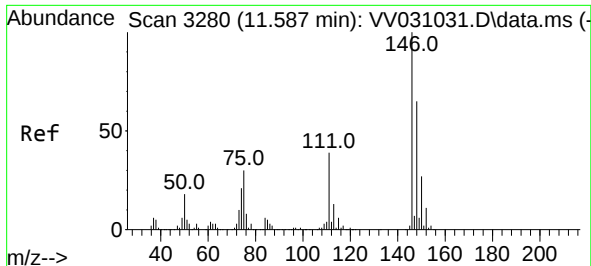
Tgt Ion:146 Resp: 106624
Ion Ratio Lower Upper
146 100
111 36.7 26.5 49.3
148 64.1 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.755 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion:146 Resp: 108352
Ion Ratio Lower Upper
146 100
111 36.1 23.9 44.5
148 63.4 42.8 79.6

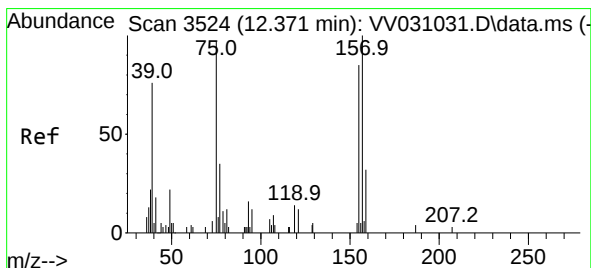
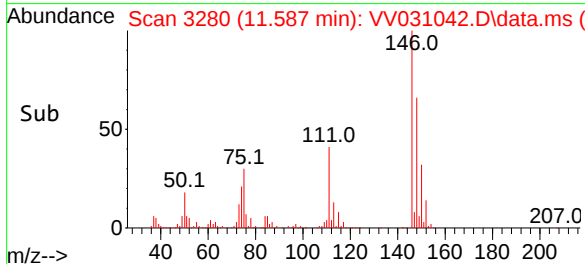
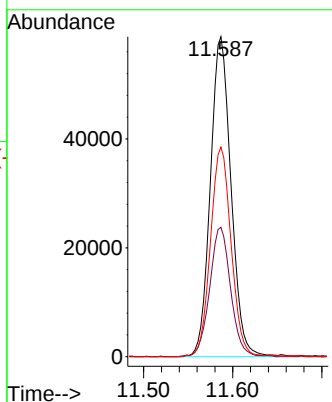
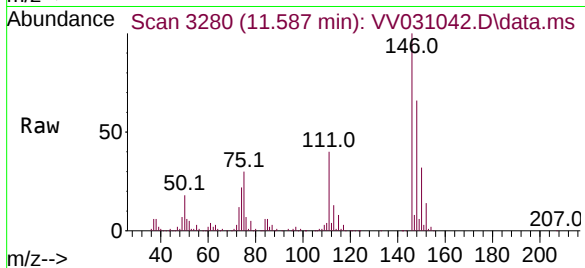




#67
1,2-Dichlorobenzene
Concen: 4.659 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

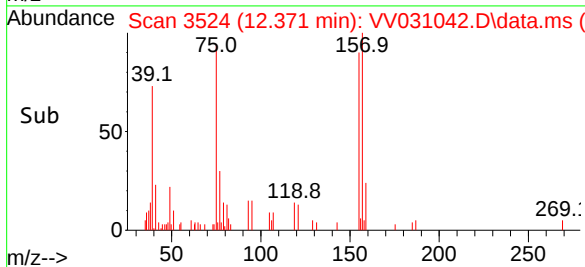
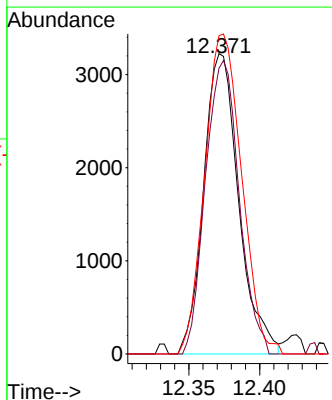
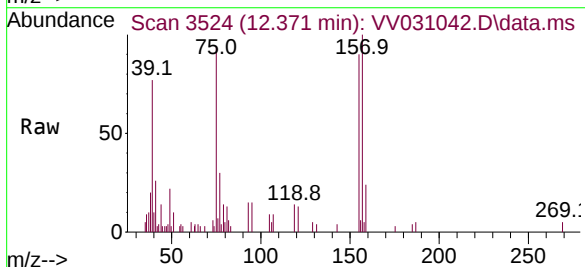
Instrument :
MSVOA_V
ClientSampleId :
VSTD005351

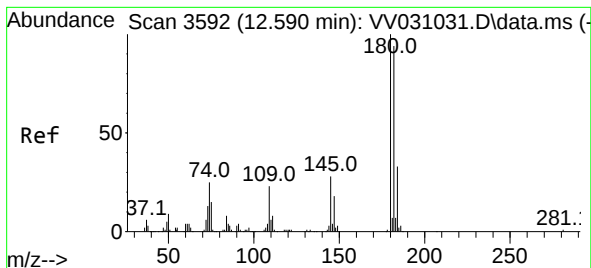
Tgt Ion:146 Resp: 94628
Ion Ratio Lower Upper
146 100
111 40.4 34.0 51.0
148 65.6 53.8 80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.260 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031042.D
Acq: 16 May 2023 10:20

Tgt Ion: 75 Resp: 5541
Ion Ratio Lower Upper
75 100
155 95.2 56.2 84.4#
157 106.0 83.1 124.7





#69

1,3,5-Trichlorobenzene

Concen: 4.680 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005351

Tgt Ion:180 Resp: 83690

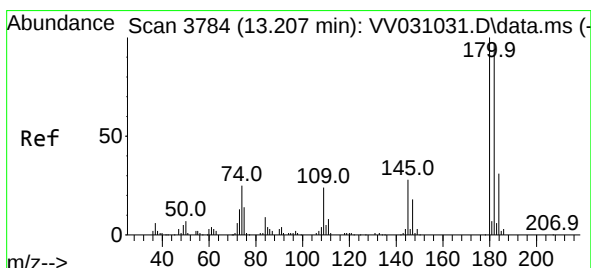
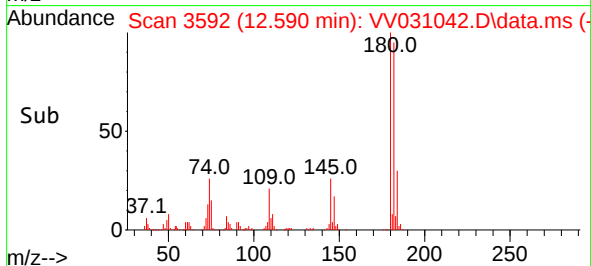
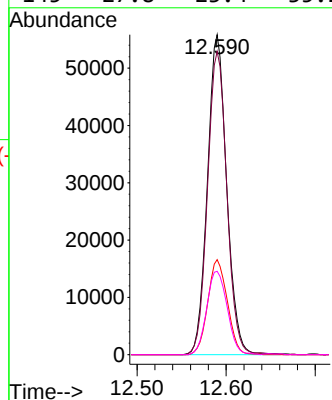
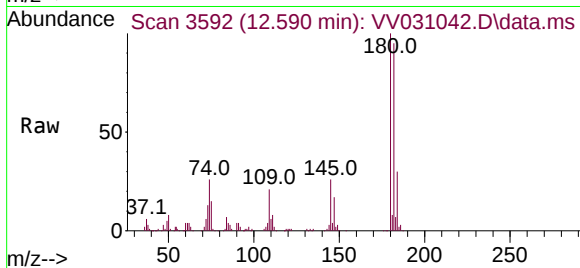
Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

184 30.2 24.1 36.1

145 27.8 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.495 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.003 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

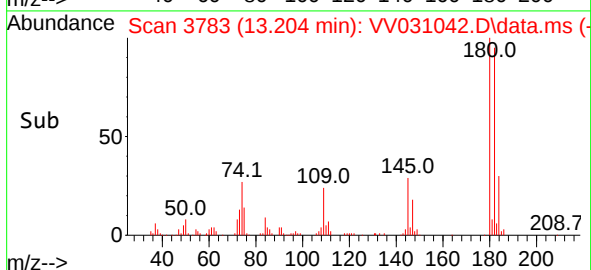
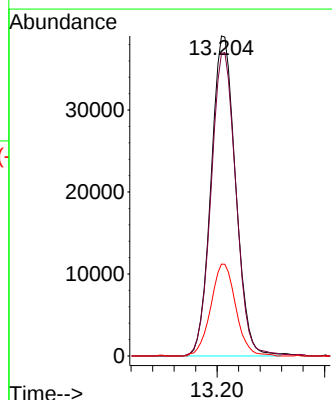
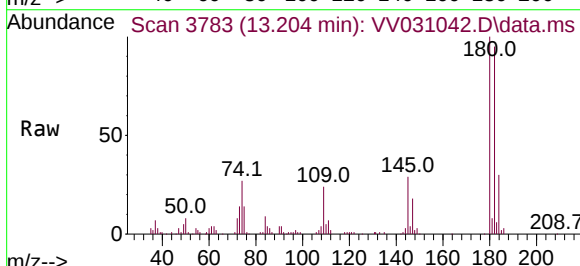
Tgt Ion:180 Resp: 61774

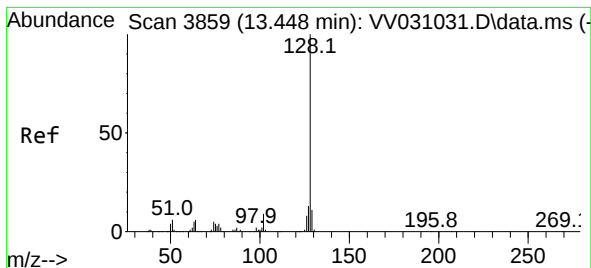
Ion Ratio Lower Upper

180 100

182 96.2 76.0 114.0

145 29.3 22.9 34.3





#71

Naphthalene

Concen: 4.105 ug/L

RT: 13.445 min Scan# 3859

Delta R.T. -0.003 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005351

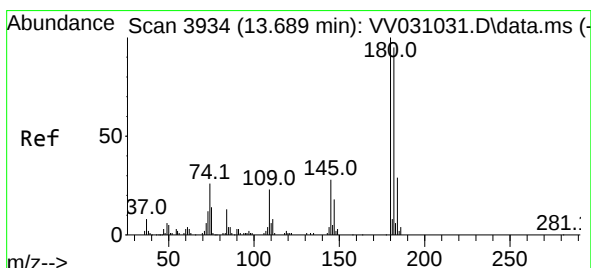
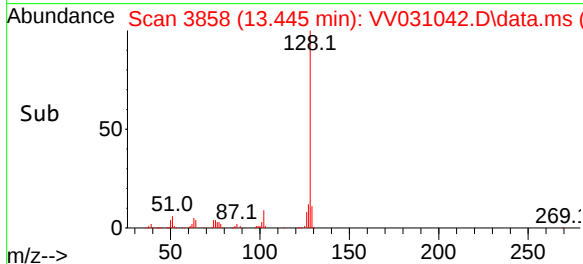
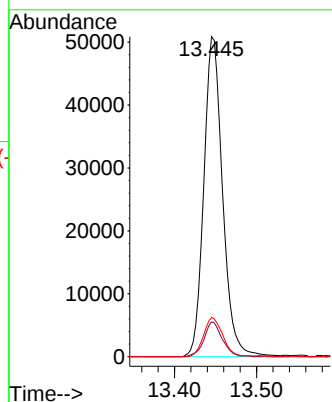
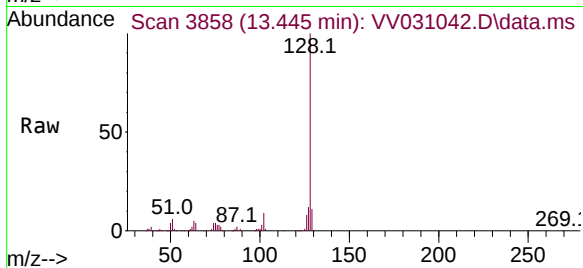
Tgt Ion:128 Resp: 80888

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 12.6 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.519 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.003 min

Lab File: VV031042.D

Acq: 16 May 2023 10:20

Tgt Ion:180 Resp: 52576

Ion Ratio Lower Upper

180 100

182 96.1 77.3 115.9

145 30.2 24.7 37.1

