

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051723\
 Data File : VW031064.D
 Acq On : 17 May 2023 09:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

Quant Time: May 18 02:40:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 17 01:41:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	143801	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	139456	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	85302	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	40499	3.418	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.400%
7) Chloroethane-d5	1.535	69	41409	4.284	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.063	65	23697	3.779	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	3.834	46	104140	49.568	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.140%
24) Chloroform-d	4.255	84	109327	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	4.953	65	57133	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.966	84	181378	4.437	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	5.995	67	52272	4.398	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.249	98	170972	4.392	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	7.558	79	20704	4.647	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.033	63	77695	49.770	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.540%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	42521	4.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	65592	4.125	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	52654	4.635	ug/L	100
3) Chloromethane	1.217	50	56738	4.256	ug/L	98
5) Vinyl chloride	1.285	62	51863	4.648	ug/L	98
6) Bromomethane	1.490	94	25092	4.721	ug/L	100
8) Chloroethane	1.555	64	32636	4.805	ug/L	95
9) Trichlorofluoromethane	1.715	101	105958	5.147	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	55606	5.291	ug/L	98
12) 1,1-Dichloroethene	2.072	96	49318	5.096	ug/L	90
13) Acetone	2.166	43	94856	52.856	ug/L	97
14) Carbon disulfide	2.246	76	103001	4.068	ug/L	98
15) Methyl Acetate	2.394	43	13784	3.775	ug/L #	75
16) Methylene chloride	2.455	84	49748	4.544	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	95466	5.182	ug/L	97
18) trans-1,2-Dichloroethene	2.699	96	43497	4.921	ug/L	98
19) 1,1-Dichloroethane	3.117	63	90584	5.307	ug/L	99
21) 2-Butanone	3.921	43	97705	49.503	ug/L	86
22) cis-1,2-Dichloroethene	3.821	96	47080	5.048	ug/L	100
23) Bromochloromethane	4.159	128	23682	5.393	ug/L	94
25) Chloroform	4.284	83	104100	5.684	ug/L	95

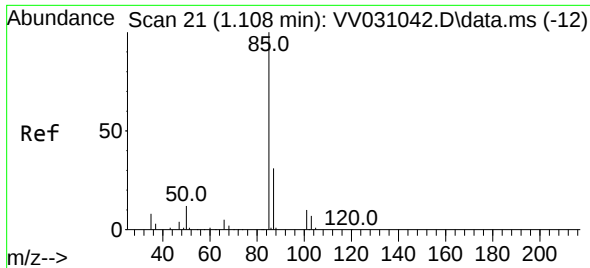
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051723\
 Data File : VV031064.D
 Acq On : 17 May 2023 09:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

Quant Time: May 18 02:40:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 17 01:41:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	61987	5.393	ug/L	96
29) 1,1,1-Trichloroethane	4.522	97	97835	5.583	ug/L	98
30) Cyclohexane	4.590	56	61787	4.668	ug/L	98
31) Carbon tetrachloride	4.741	117	88810	5.642	ug/L	98
33) Benzene	5.018	78	187967	5.358	ug/L	100
34) Trichloroethene	5.837	95	48809	5.220	ug/L	98
35) Methylcyclohexane	6.059	83	68901	4.755	ug/L	99
37) 1,2-Dichloropropane	6.101	63	47134	5.665	ug/L	98
38) Bromodichloromethane	6.439	83	68940	5.661	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	59058	4.739	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	249477	57.869	ug/L	97
42) Toluene	7.320	91	214192	5.672	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	58239	5.485	ug/L	95
45) 1,1,2-Trichloroethane	7.776	97	34823	5.641	ug/L	98
47) Tetrachloroethene	7.911	164	47187	5.290	ug/L	95
48) 2-Hexanone	8.085	43	198820	60.129	ug/L	99
49) Dibromochloromethane	8.181	129	45649	5.877	ug/L	97
50) 1,2-Dibromoethane	8.291	107	31403	5.703	ug/L	99
51) Chlorobenzene	8.821	112	138760	5.419	ug/L	99
52) Ethylbenzene	8.953	91	221725	5.385	ug/L	99
53) m,p-Xylene	9.078	106	88268	5.372	ug/L	99
54) o-Xylene	9.484	106	83933	5.367	ug/L	97
55) Styrene	9.503	104	147026	5.572	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	40459	5.863	ug/L	98
59) Bromoform	9.670	173	28098	5.596	ug/L	96
60) Isopropylbenzene	9.873	105	234738	5.104	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	29118	5.434	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	189304	5.056	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	191530	5.049	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	126330	5.349	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	124238	5.214	ug/L	96
67) 1,2-Dichlorobenzene	11.586	146	111402	5.245	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.371	75	6496	4.776	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.590	180	96914	5.182	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	73949	5.146	ug/L	99
71) Naphthalene	13.448	128	89538	4.345	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	61158	5.027	ug/L	100

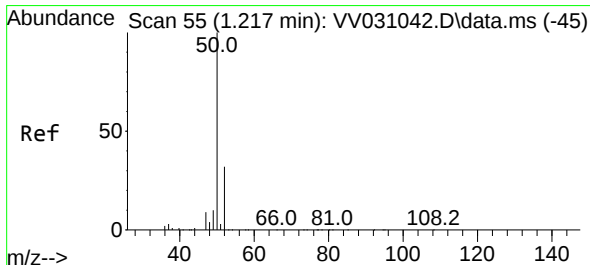
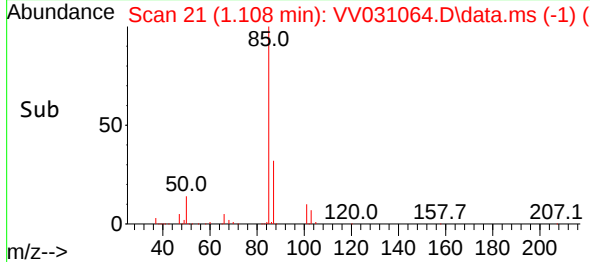
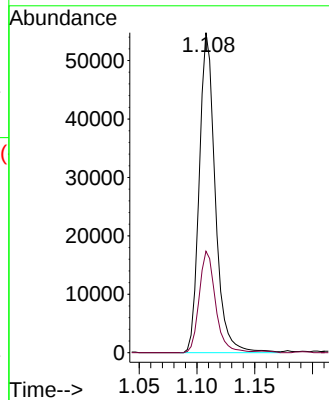
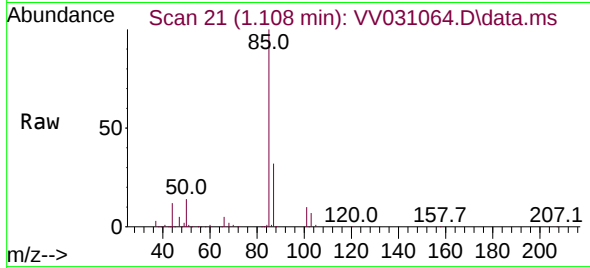
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.635 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031064.D
 Acq: 17 May 2023 09:40

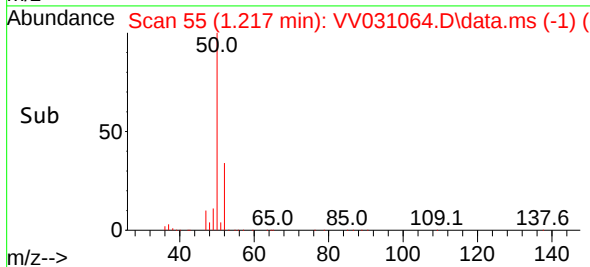
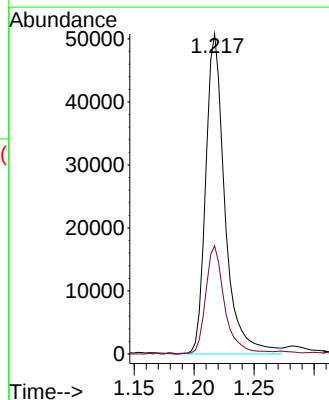
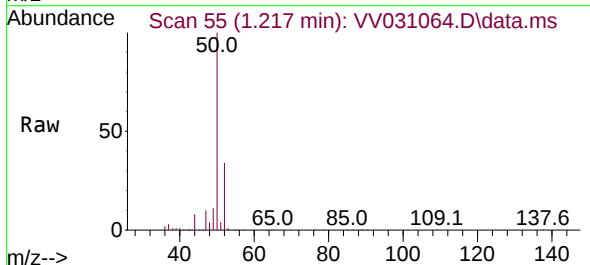
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

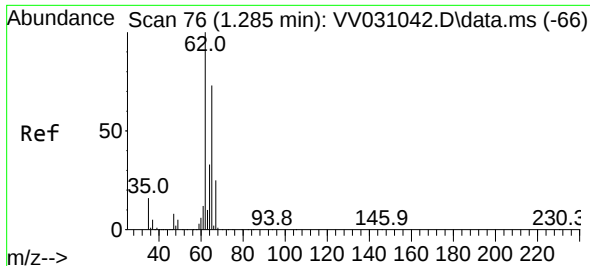
Tgt Ion: 85 Resp: 52654
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6



#3
 Chloromethane
 Concen: 4.256 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031064.D
 Acq: 17 May 2023 09:40

Tgt Ion: 50 Resp: 56738
 Ion Ratio Lower Upper
 50 100
 52 33.8 22.8 42.4

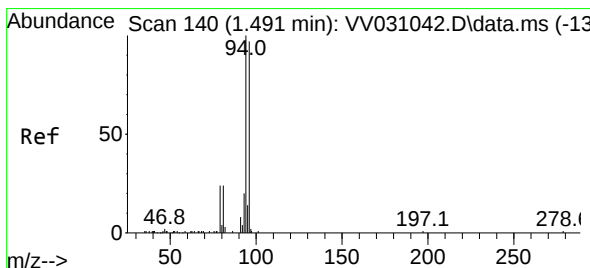
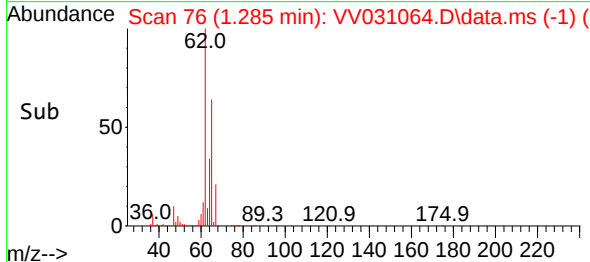
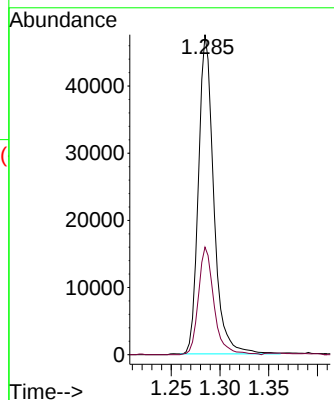
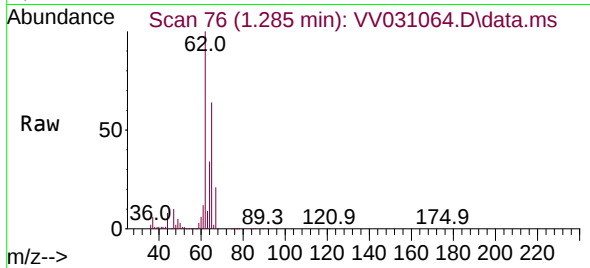




#5
 Vinyl chloride
 Concen: 4.648 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031064.D
 Acq: 17 May 2023 09:40

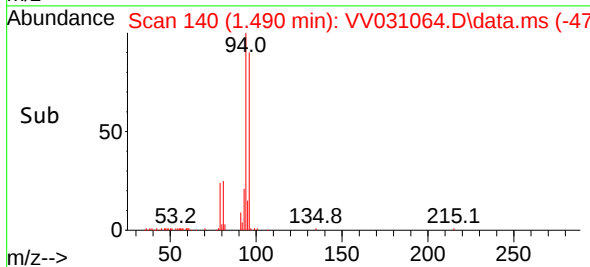
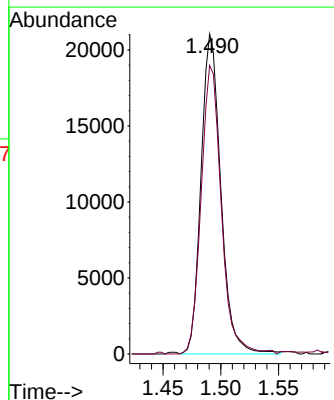
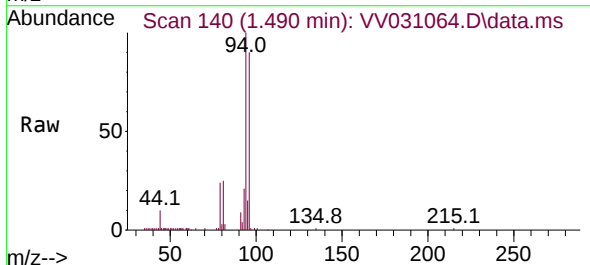
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

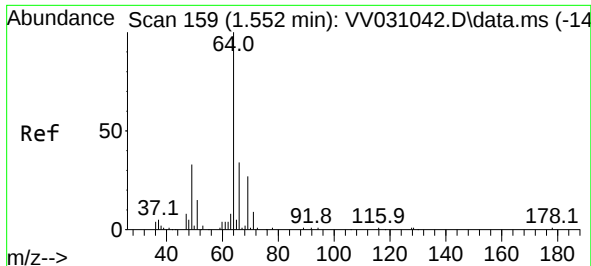
Tgt Ion: 62 Resp: 51863
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.8 42.4



#6
 Bromomethane
 Concen: 4.721 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031064.D
 Acq: 17 May 2023 09:40

Tgt Ion: 94 Resp: 25092
 Ion Ratio Lower Upper
 94 100
 96 90.2 63.4 117.8

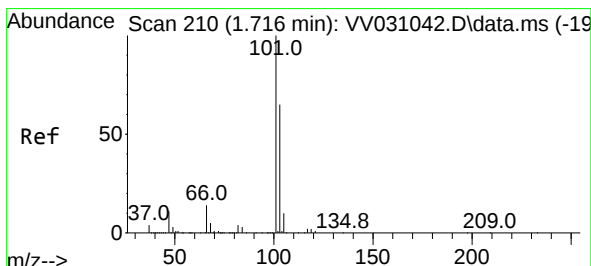
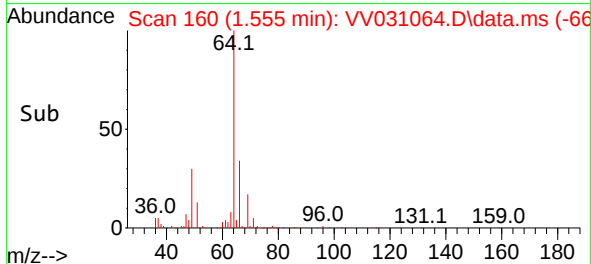
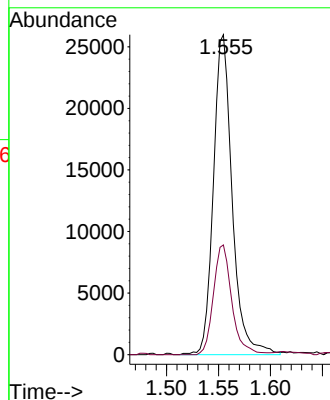
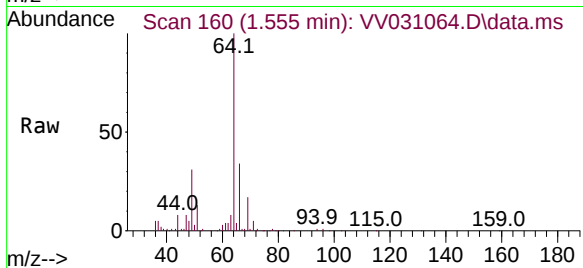




#8
Chloroethane
Concen: 4.805 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

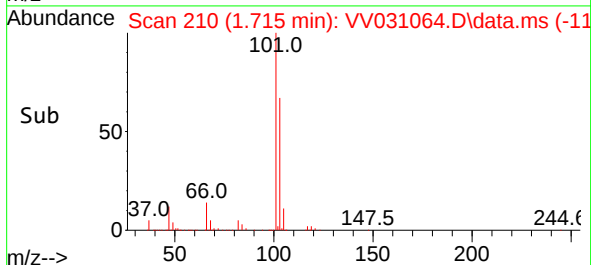
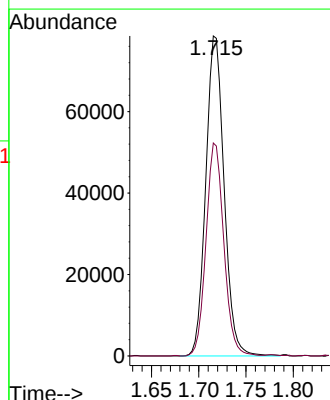
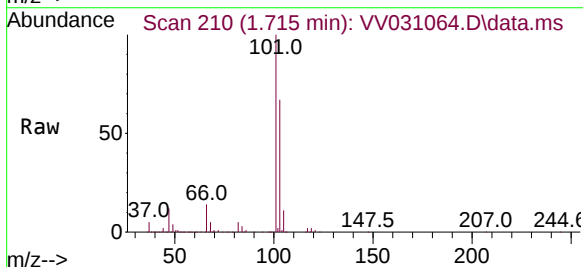
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

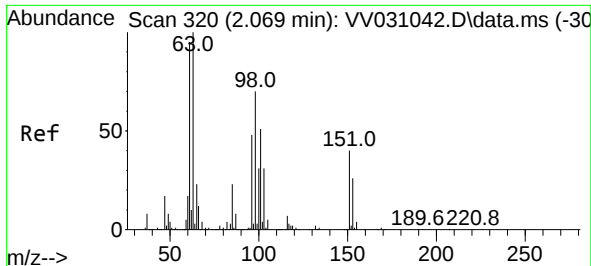
Tgt Ion: 64 Resp: 32636
Ion Ratio Lower Upper
64 100
66 34.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.147 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion:101 Resp: 105958
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

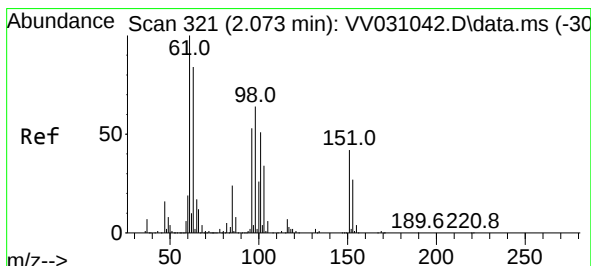
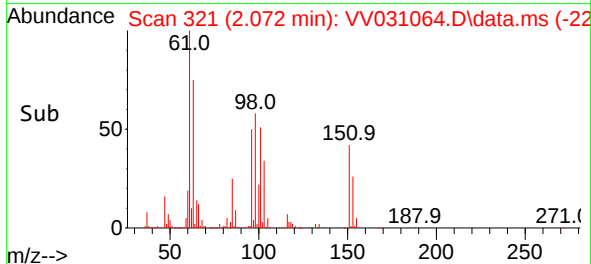
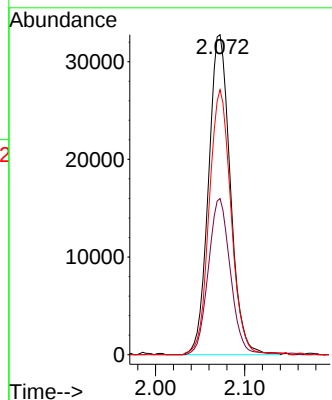
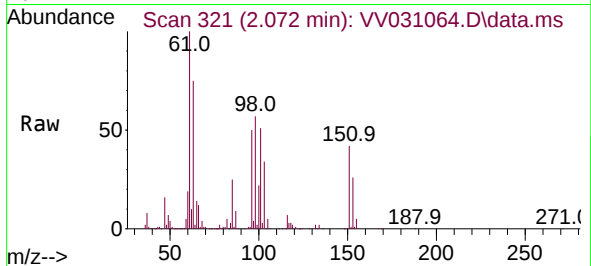




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.291 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

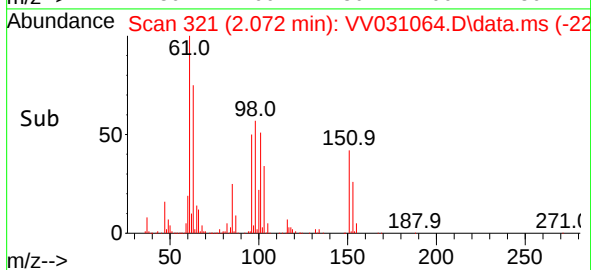
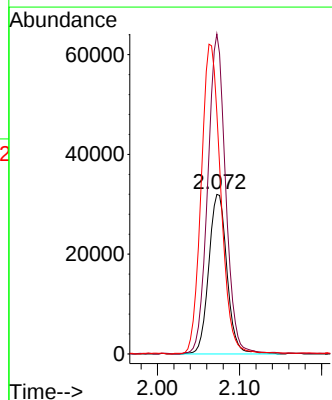
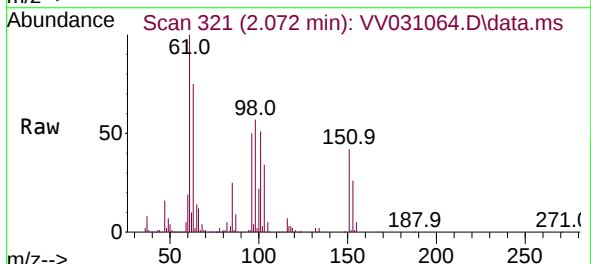
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

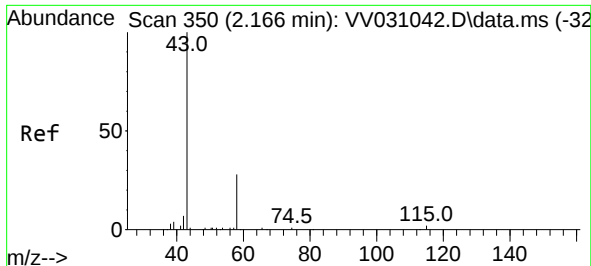
Tgt Ion:101 Resp: 55606
Ion Ratio Lower Upper
101 100
85 49.2 38.7 58.1
151 83.1 65.1 97.7



#12
1,1-Dichloroethene
Concen: 5.096 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 96 Resp: 49318
Ion Ratio Lower Upper
96 100
61 200.6 135.6 251.8
63 151.3 121.1 224.9





#13

Acetone

Concen: 52.856 ug/L

RT: 2.166 min Scan# 350

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

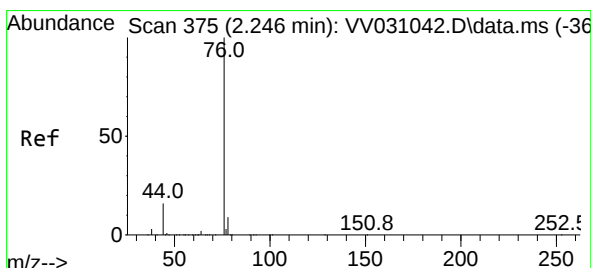
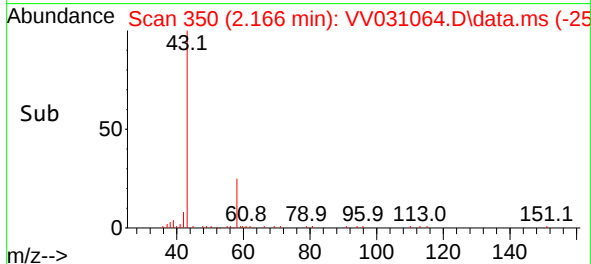
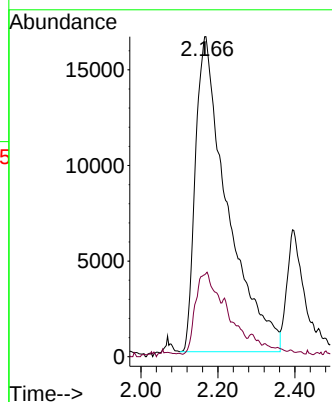
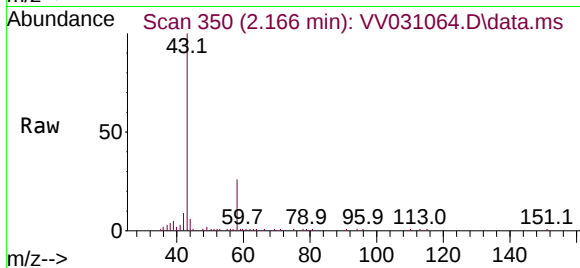
VSTD005353

Tgt Ion: 43 Resp: 94856

Ion Ratio Lower Upper

43 100

58 17.0 0.0 37.0



#14

Carbon disulfide

Concen: 4.068 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031064.D

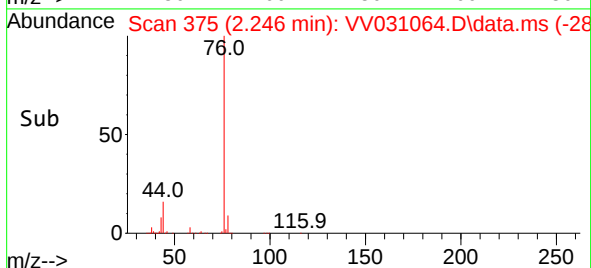
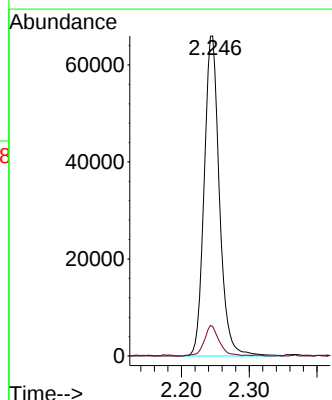
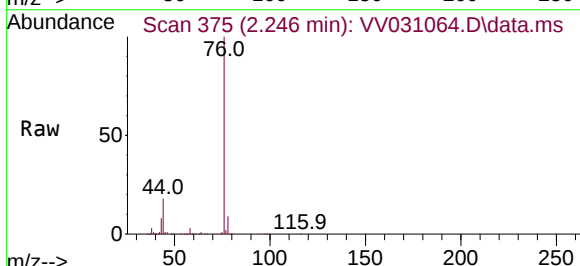
Acq: 17 May 2023 09:40

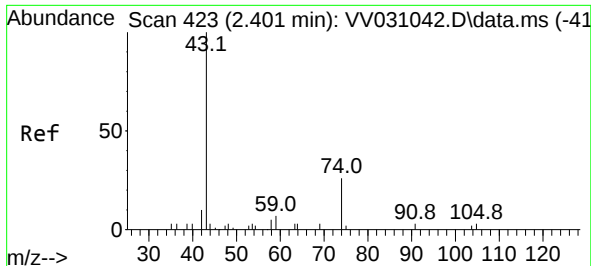
Tgt Ion: 76 Resp: 103001

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

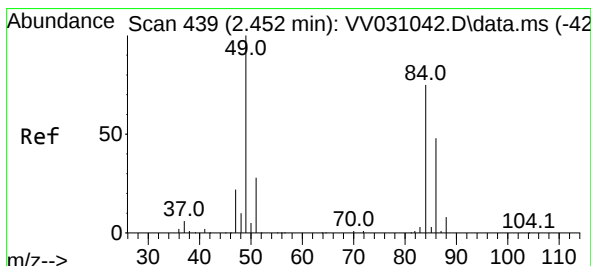
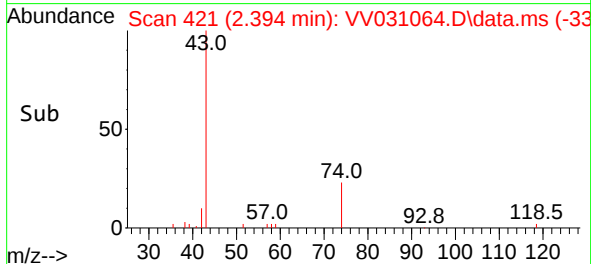
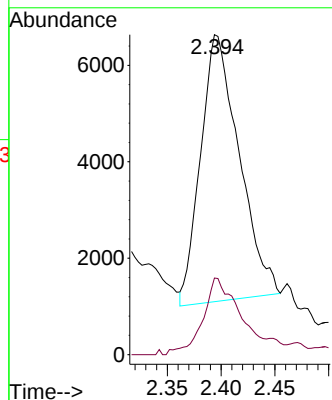
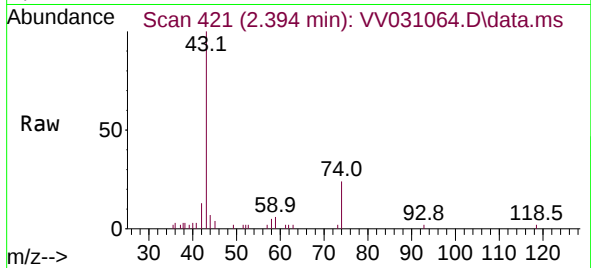




#15
Methyl Acetate
Concen: 3.775 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.007 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

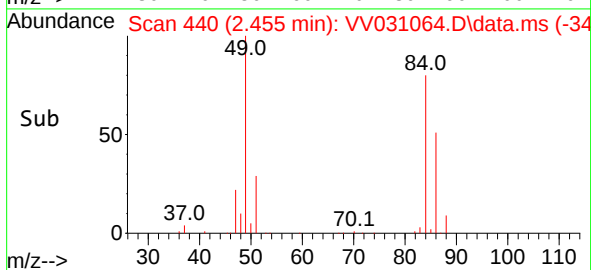
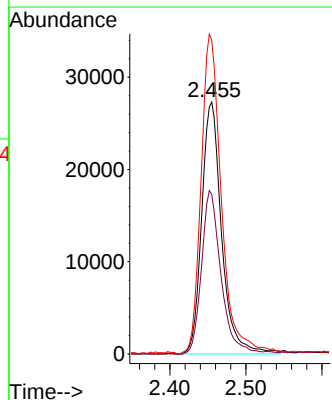
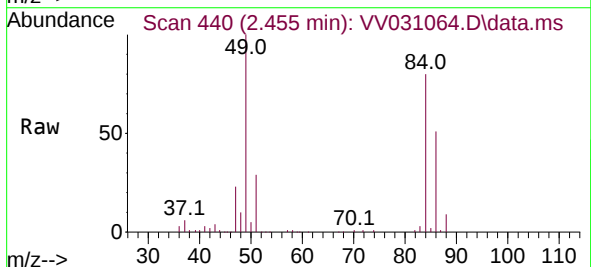
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

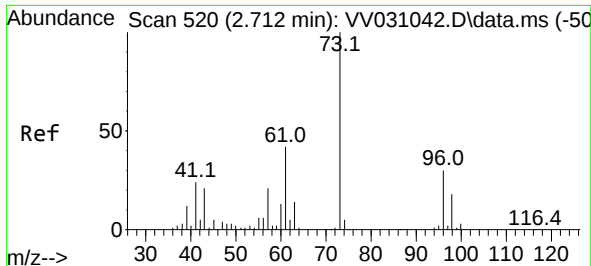
Tgt Ion: 43 Resp: 13784
Ion Ratio Lower Upper
43 100
74 30.0 15.0 22.6#



#16
Methylene chloride
Concen: 4.544 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 84 Resp: 49748
Ion Ratio Lower Upper
84 100
86 63.4 46.1 85.5
49 124.6 94.3 175.1

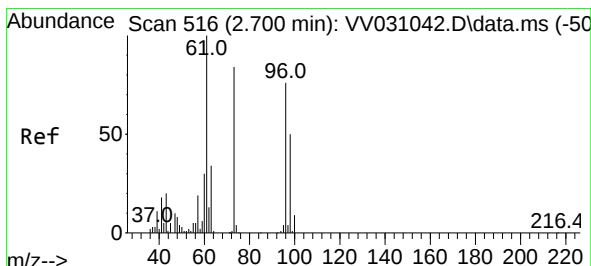
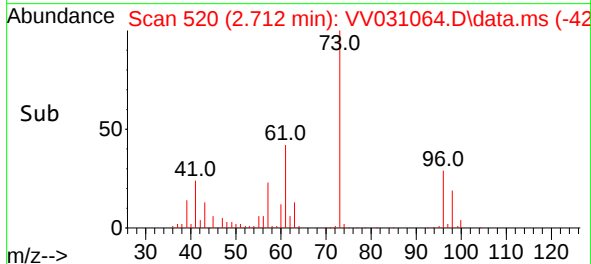
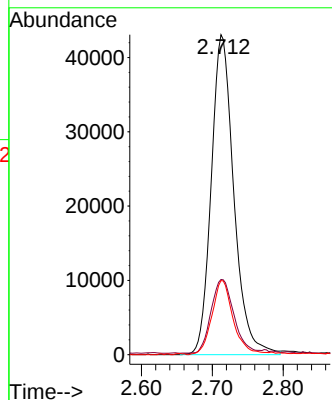
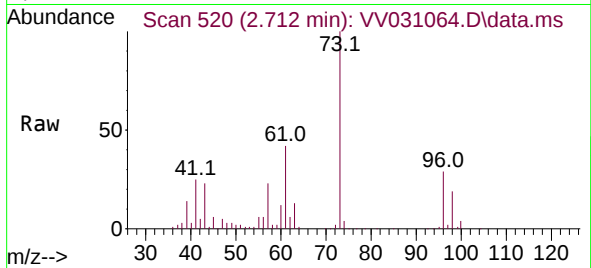




#17
Methyl tert-butyl Ether
Concen: 5.182 ug/L
RT: 2.712 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

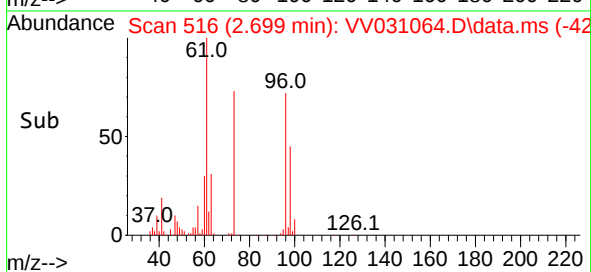
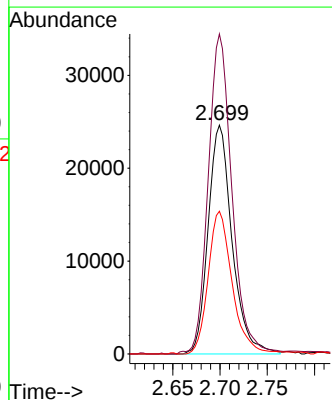
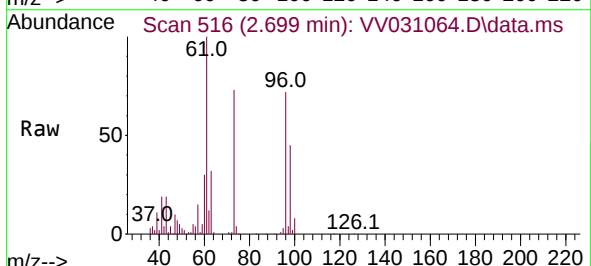
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

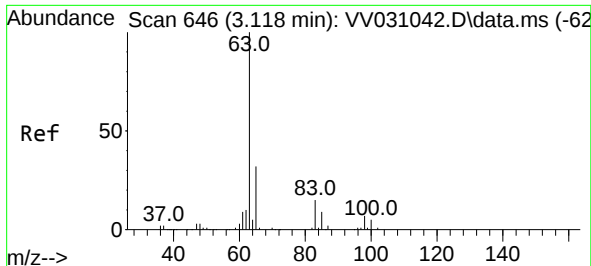
Tgt Ion: 73 Resp: 95466
Ion Ratio Lower Upper
73 100
43 23.1 19.9 29.9
57 21.9 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.921 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 96 Resp: 43497
Ion Ratio Lower Upper
96 100
61 139.8 98.9 183.7
98 62.4 46.0 85.4

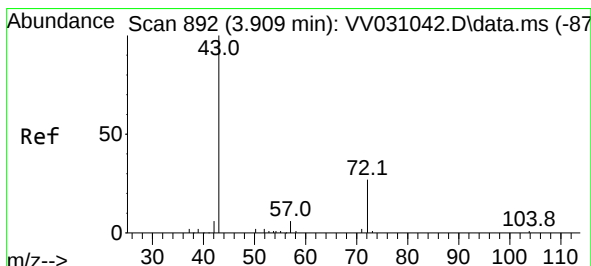
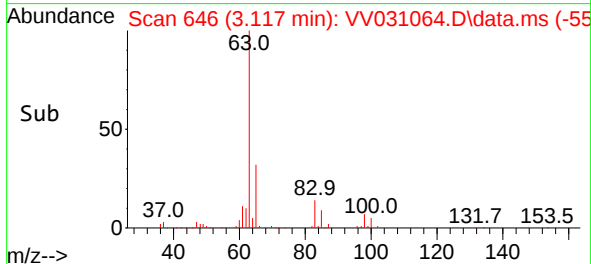
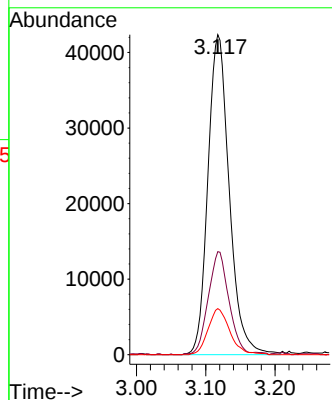
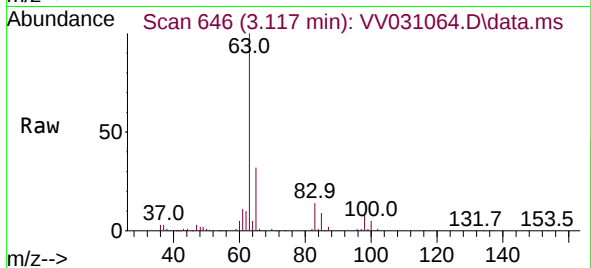




#19
1,1-Dichloroethane
Concen: 5.307 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

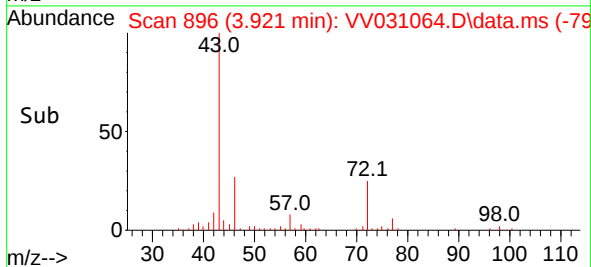
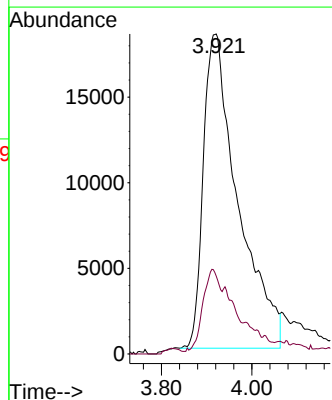
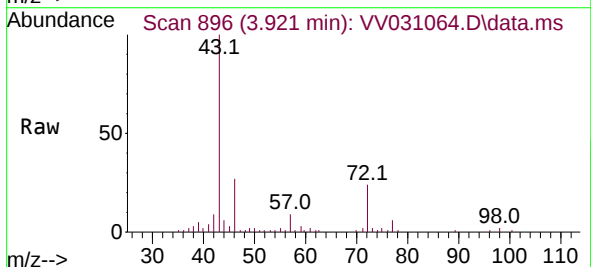
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

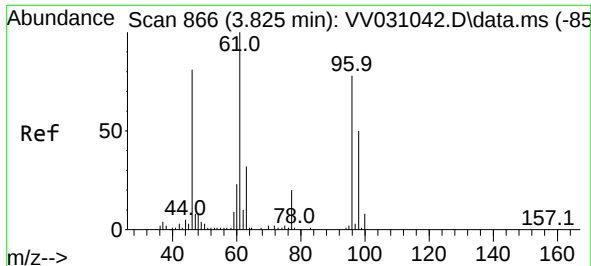
Tgt Ion: 63 Resp: 90584
Ion Ratio Lower Upper
63 100
65 32.2 21.8 40.6
83 14.4 10.2 19.0



#21
2-Butanone
Concen: 49.503 ug/L
RT: 3.921 min Scan# 896
Delta R.T. 0.013 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 43 Resp: 97705
Ion Ratio Lower Upper
43 100
72 12.9 9.6 28.6

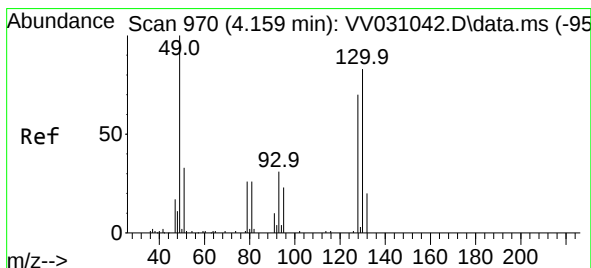
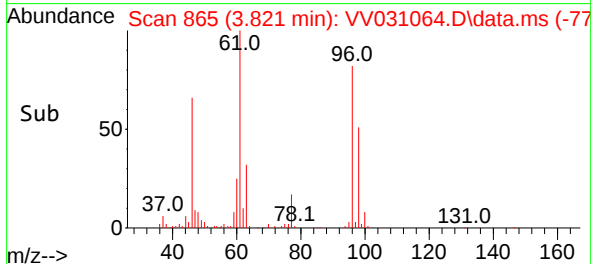
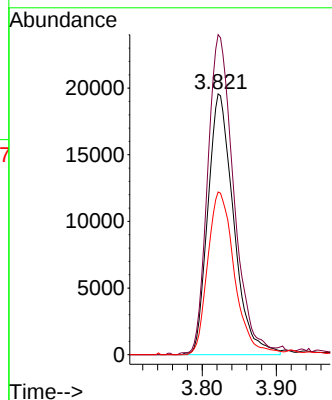
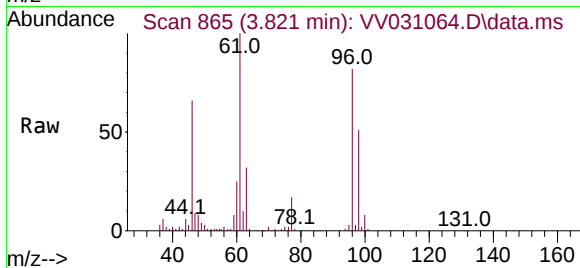




#22
 cis-1,2-Dichloroethene
 Concen: 5.048 ug/L
 RT: 3.821 min Scan# 865
 Delta R.T. -0.004 min
 Lab File: VV031064.D
 Acq: 17 May 2023 09:40

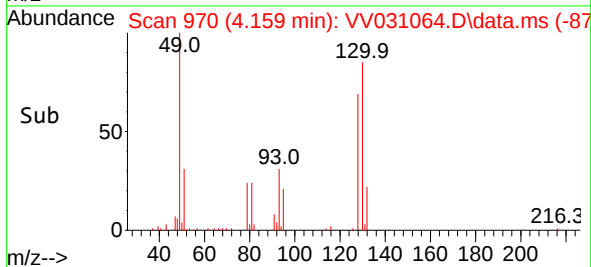
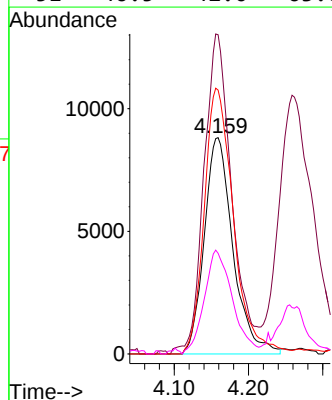
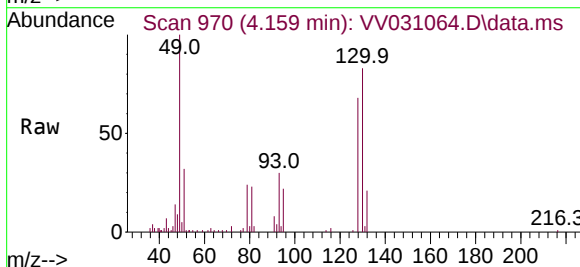
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

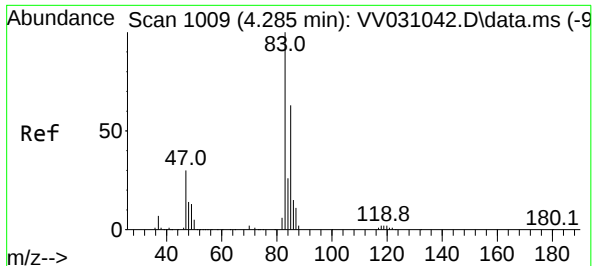
Tgt Ion: 96 Resp: 47080
 Ion Ratio Lower Upper
 96 100
 61 122.7 86.0 159.6
 98 62.4 43.2 80.2



#23
 Bromochloromethane
 Concen: 5.393 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.000 min
 Lab File: VV031064.D
 Acq: 17 May 2023 09:40

Tgt Ion:128 Resp: 23682
 Ion Ratio Lower Upper
 128 100
 49 147.5 104.7 194.5
 130 122.0 93.4 173.4
 51 46.5 42.0 63.0

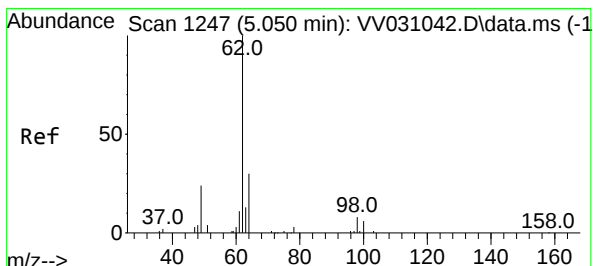
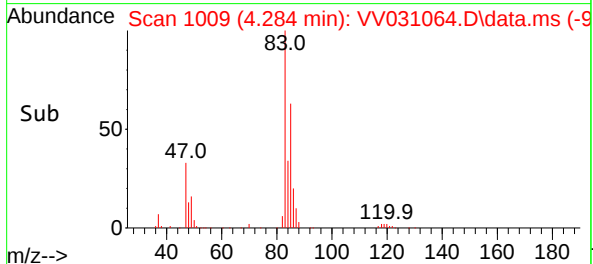
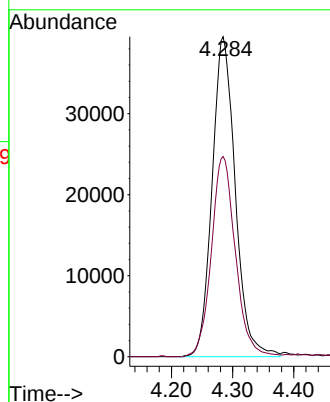
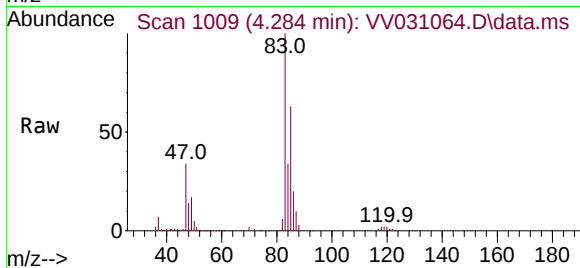




#25
Chloroform
Concen: 5.684 ug/L
RT: 4.284 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

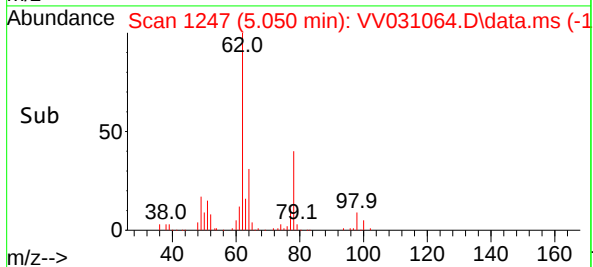
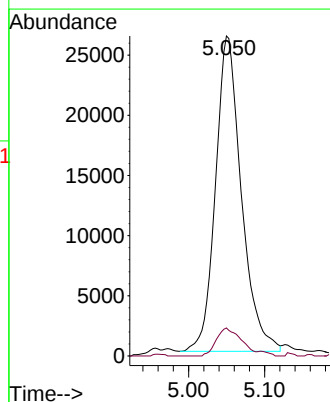
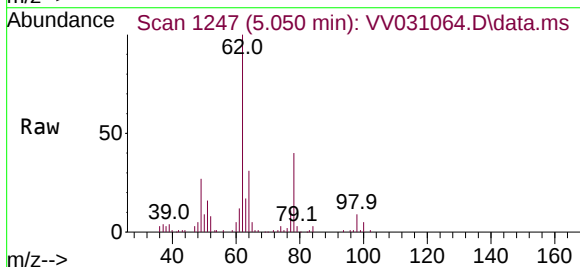
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

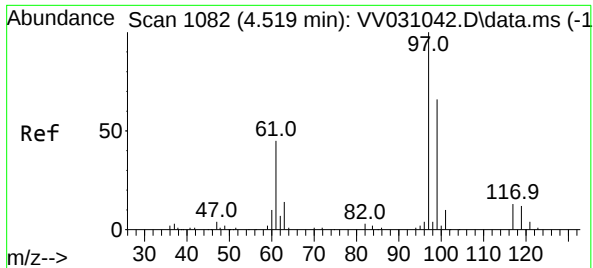
Tgt Ion: 83 Resp: 104100
Ion Ratio Lower Upper
83 100
85 62.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.393 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 62 Resp: 61987
Ion Ratio Lower Upper
62 100
98 8.8 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 5.583 ug/L

RT: 4.522 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

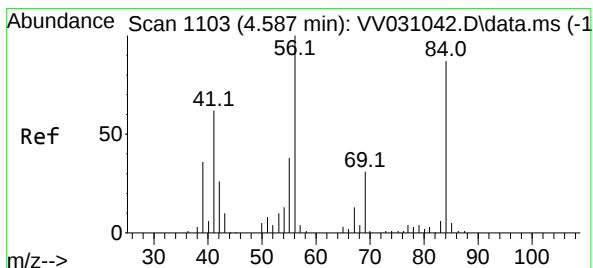
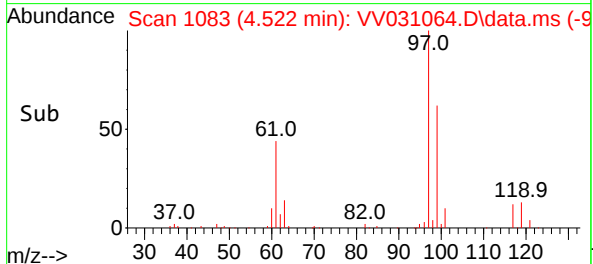
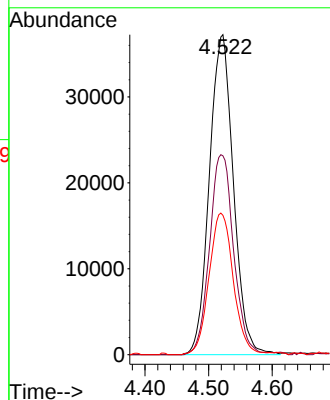
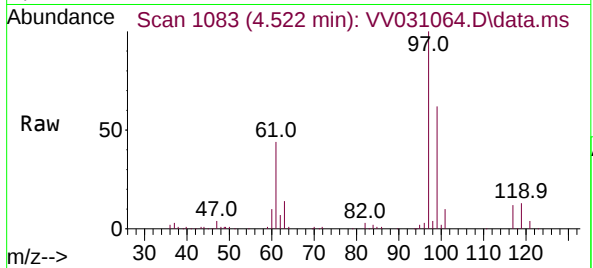
Tgt Ion: 97 Resp: 97835

Ion Ratio Lower Upper

97 100

99 62.6 51.4 77.2

61 44.8 37.4 56.0



#30

Cyclohexane

Concen: 4.668 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

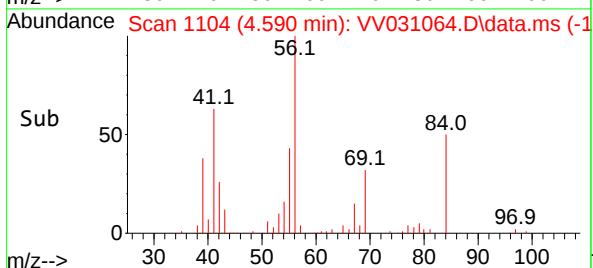
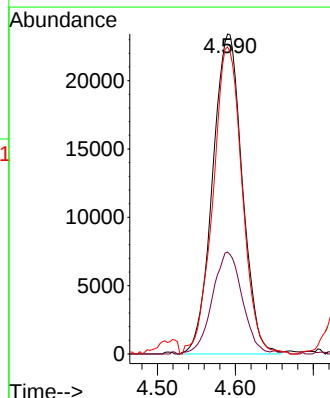
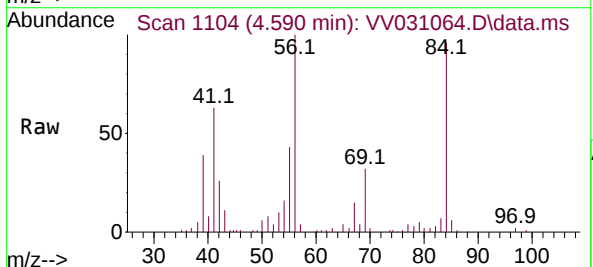
Tgt Ion: 56 Resp: 61787

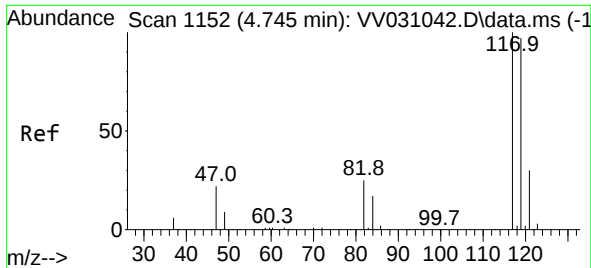
Ion Ratio Lower Upper

56 100

69 32.1 25.0 37.6

84 94.5 74.2 111.2

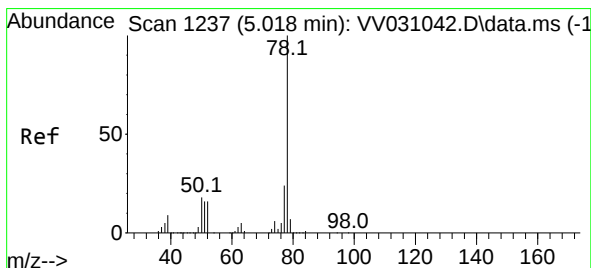
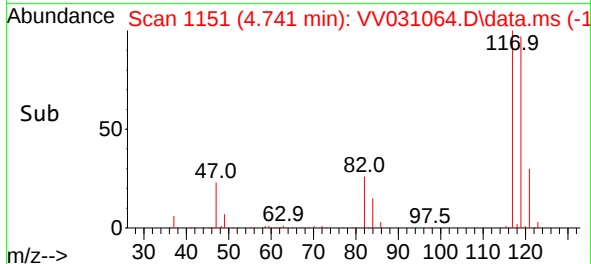
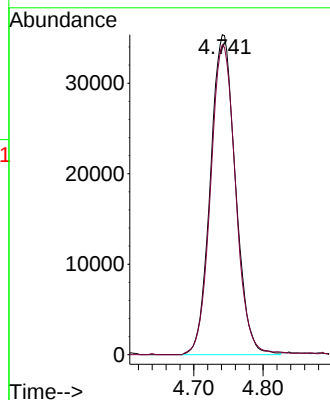
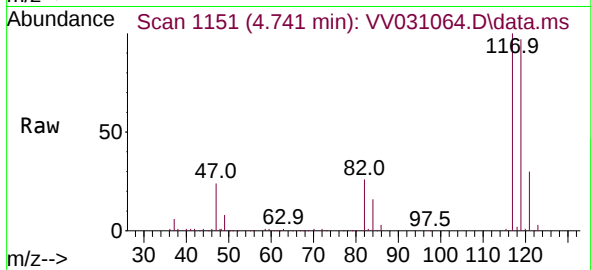




#31
Carbon tetrachloride
Concen: 5.642 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.004 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

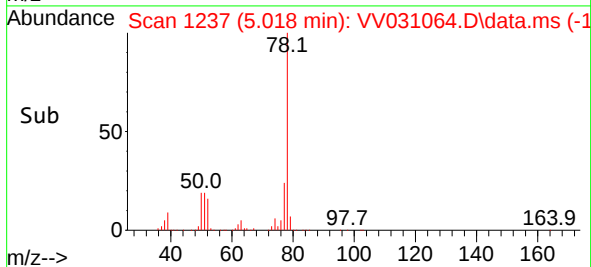
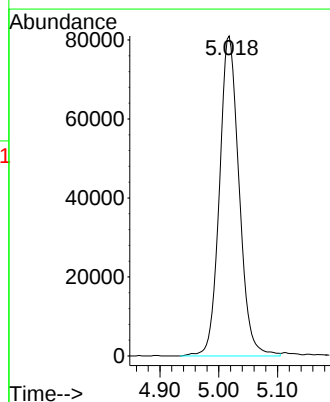
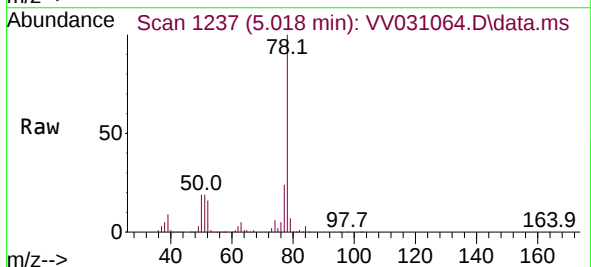
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

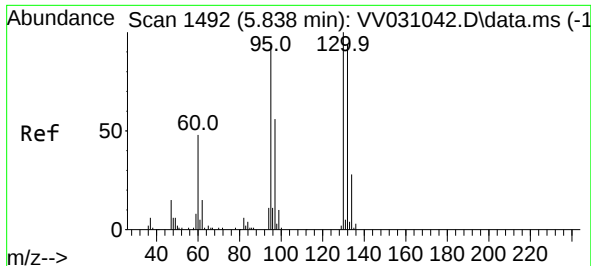
Tgt Ion:117 Resp: 88810
Ion Ratio Lower Upper
117 100
119 96.3 78.4 117.6



#33
Benzene
Concen: 5.358 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 78 Resp: 187967

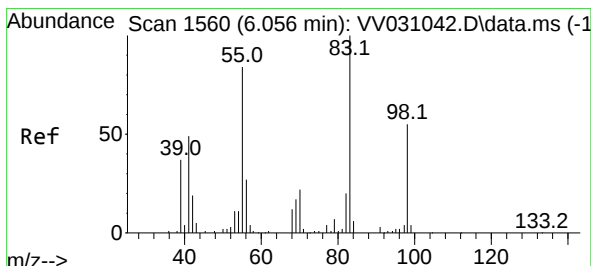
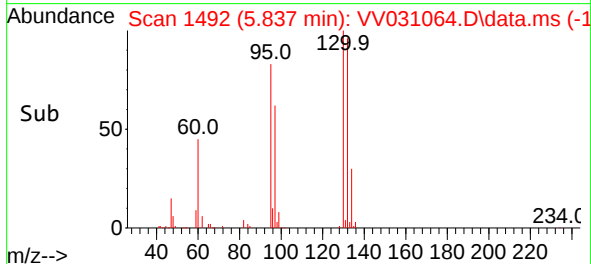
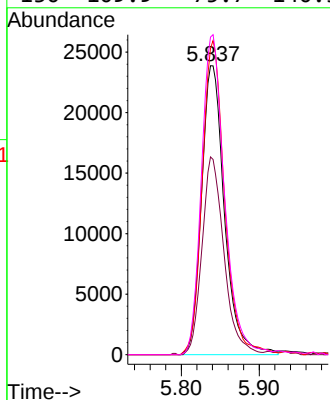
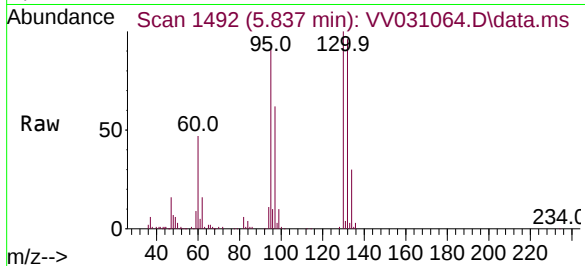




#34
Trichloroethene
Concen: 5.220 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

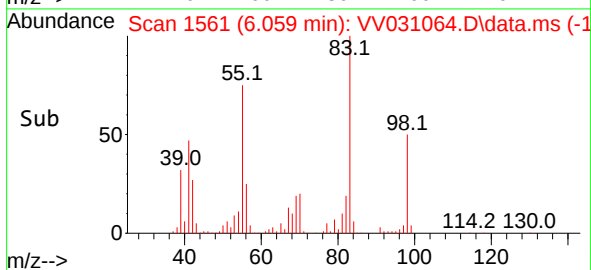
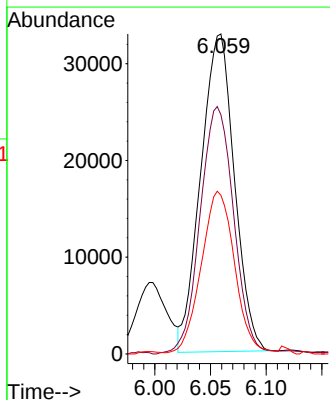
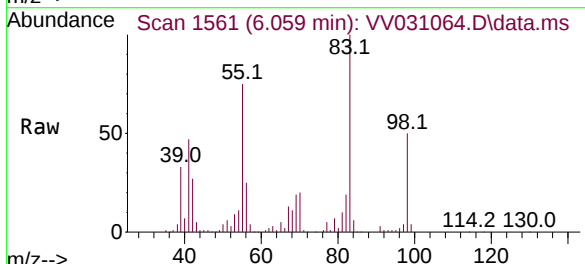
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

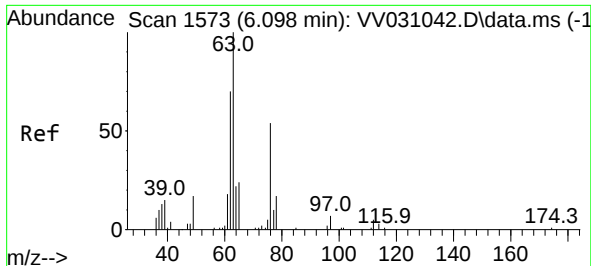
Tgt Ion:	95	Resp:	48809
Ion	Ratio	Lower	Upper
95	100		
97	68.4	46.2	85.8
132	106.0	72.7	135.1
130	109.9	75.7	140.5



#35
Methylcyclohexane
Concen: 4.755 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion:	83	Resp:	68901
Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.9	94.3
98	50.1	40.5	60.7





#37

1,2-Dichloropropane

Concen: 5.665 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

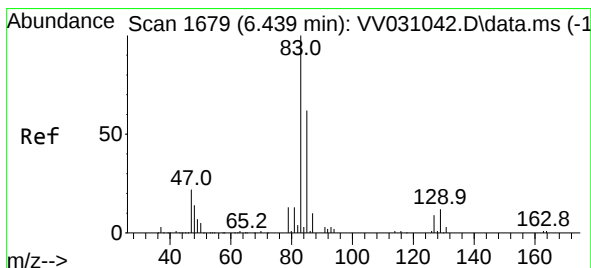
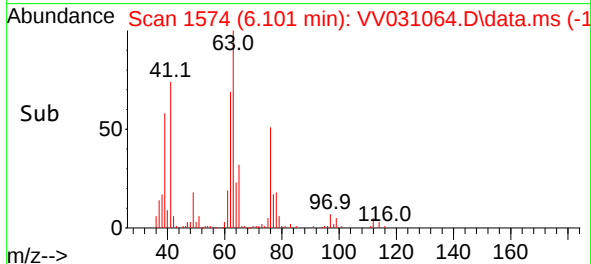
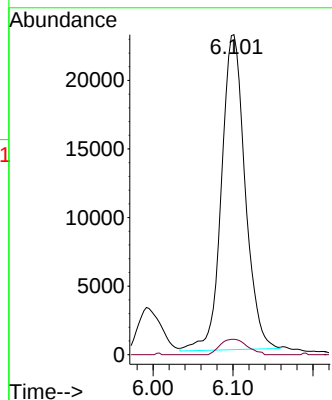
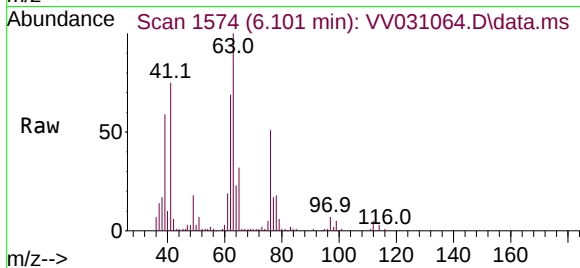
VSTD005353

Tgt Ion: 63 Resp: 47134

Ion Ratio Lower Upper

63 100

112 5.6 3.8 5.8



#38

Bromodichloromethane

Concen: 5.661 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

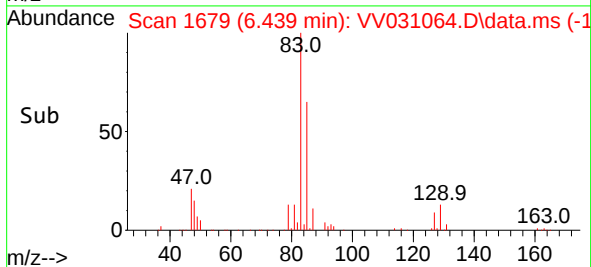
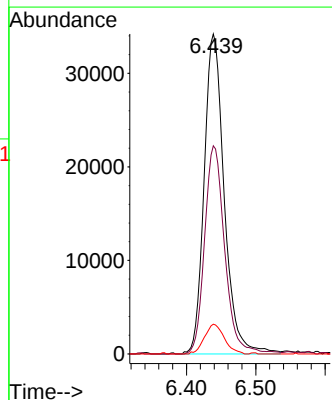
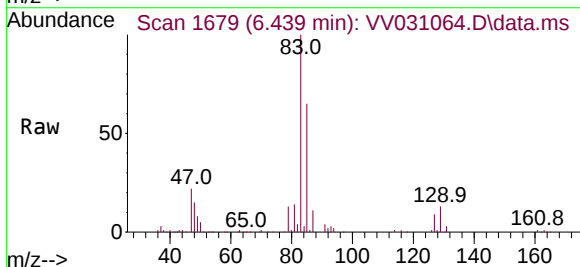
Tgt Ion: 83 Resp: 68940

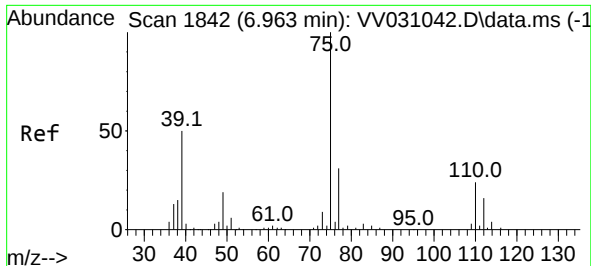
Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.4

127 9.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.739 ug/L

RT: 6.960 min Scan# 1842

Delta R.T. -0.003 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

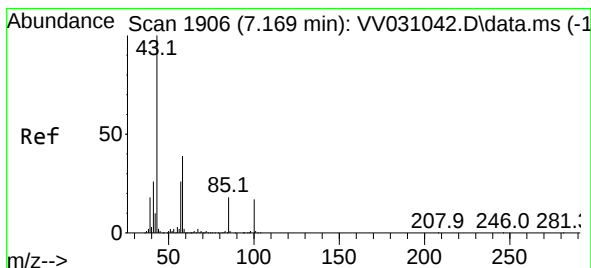
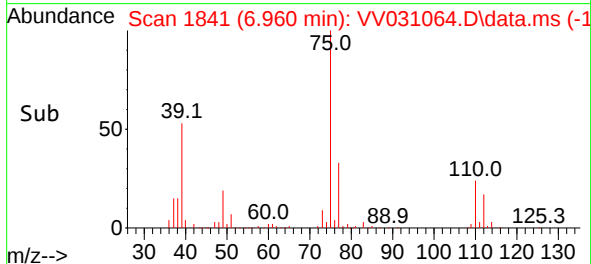
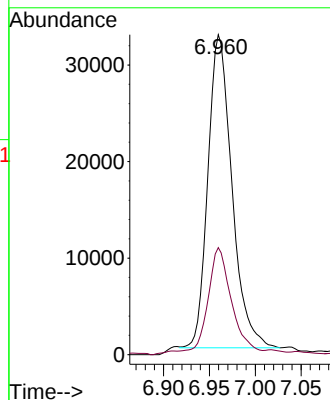
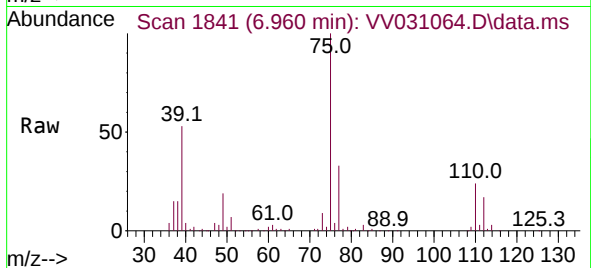
VSTD005353

Tgt Ion: 75 Resp: 59058

Ion Ratio Lower Upper

75 100

77 33.5 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 57.869 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

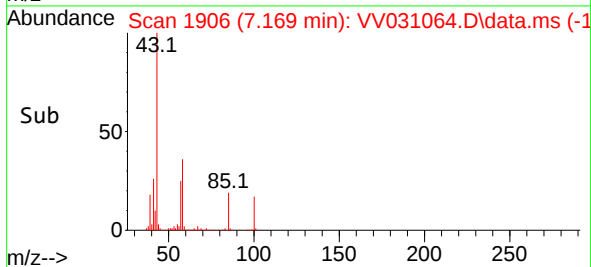
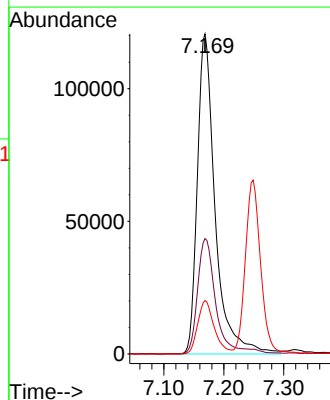
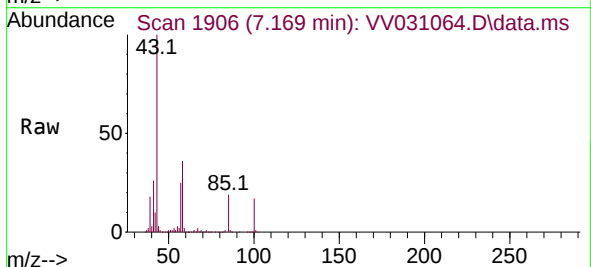
Tgt Ion: 43 Resp: 249477

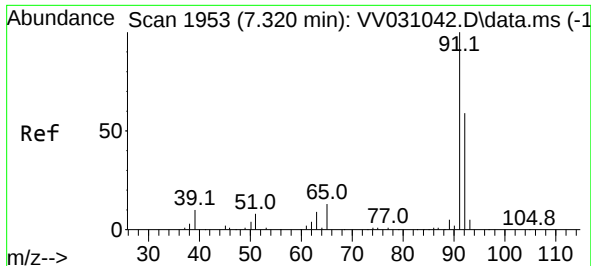
Ion Ratio Lower Upper

43 100

58 37.3 28.3 42.5

100 15.5 11.8 17.8

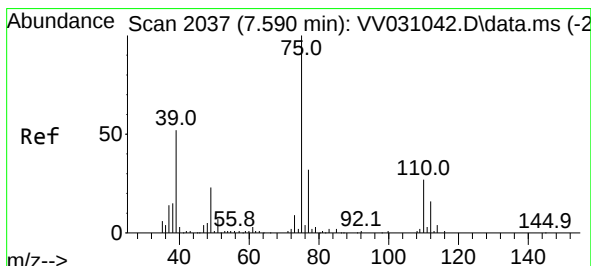
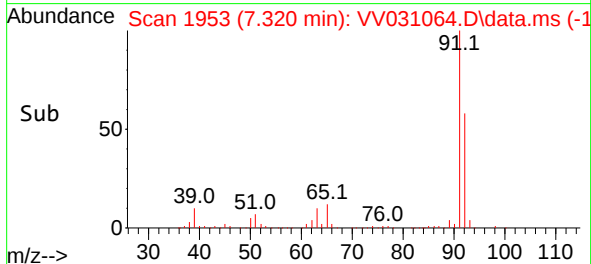
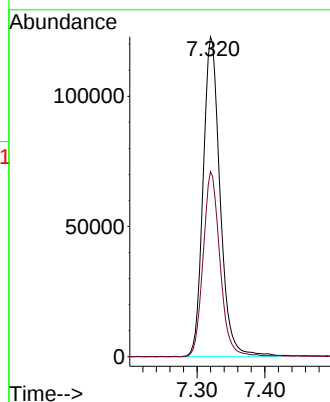
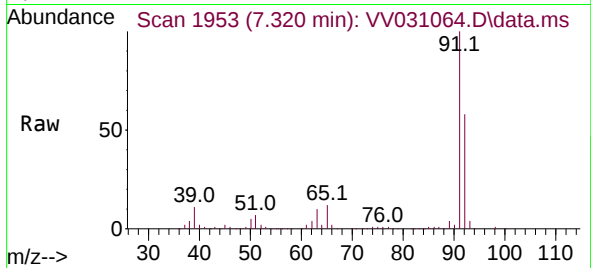




#42
Toluene
Concen: 5.672 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

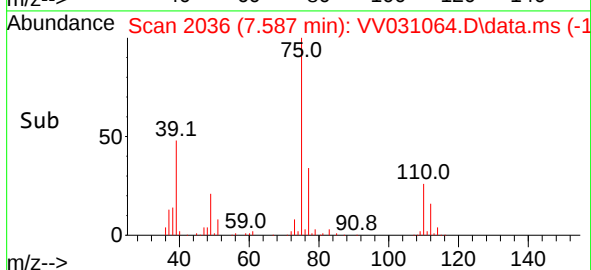
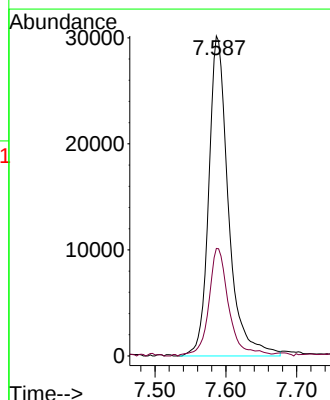
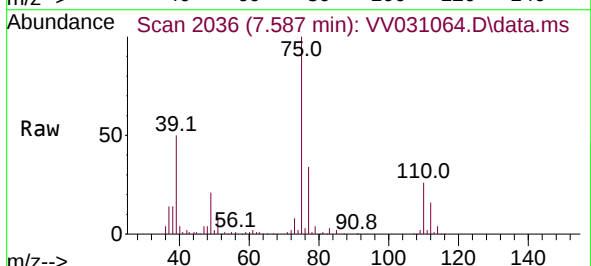
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

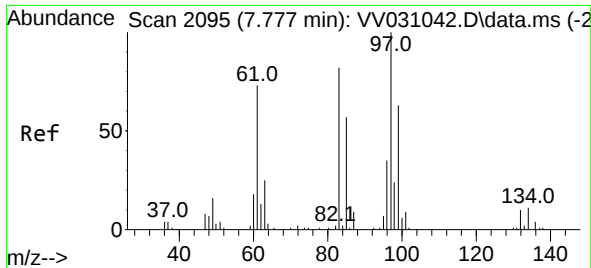
Tgt Ion: 91 Resp: 214192
Ion Ratio Lower Upper
91 100
92 57.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 5.485 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.003 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 75 Resp: 58239
Ion Ratio Lower Upper
75 100
77 33.6 21.6 40.0

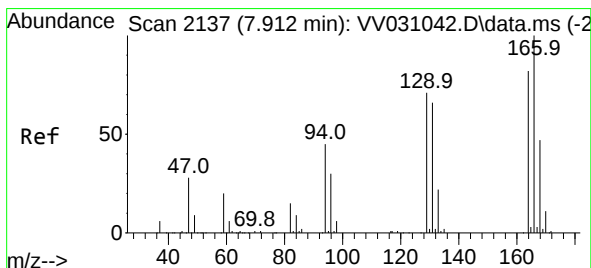
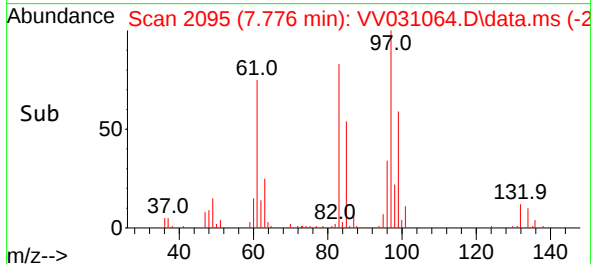
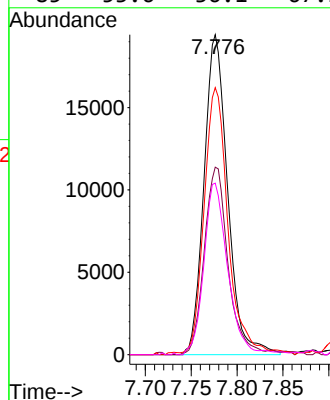
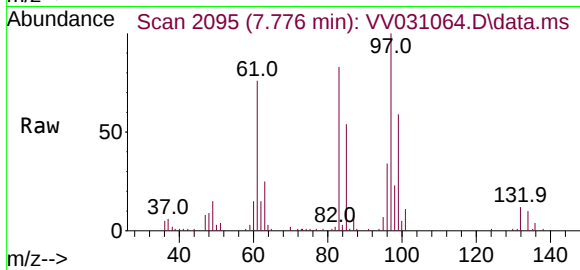




#45
1,1,2-Trichloroethane
Concen: 5.641 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

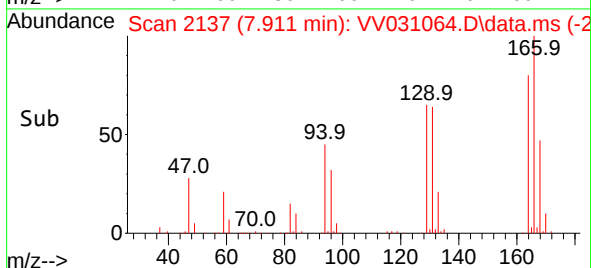
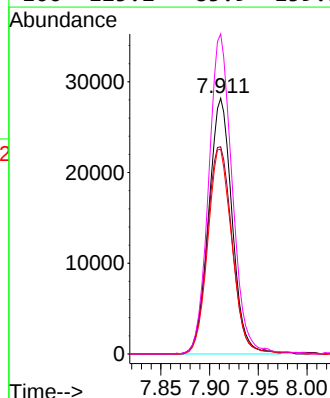
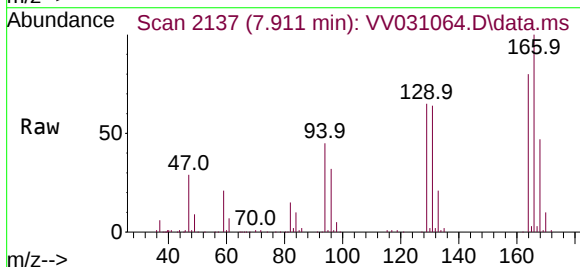
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

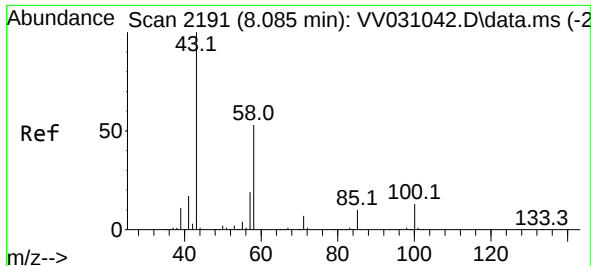
Tgt Ion: 97	Resp: 34823
Ion Ratio	Lower Upper
97 100	
99 58.6	42.8 79.6
83 83.4	57.5 106.7
85 53.6	36.1 67.1



#47
Tetrachloroethene
Concen: 5.290 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt	Ion:164	Resp:	47187
Ion	Ratio	Lower	Upper
164	100		
129	81.1	60.5	112.3
131	80.1	60.8	112.8
166	125.2	85.9	159.5



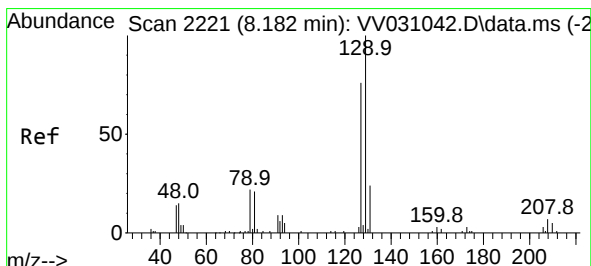
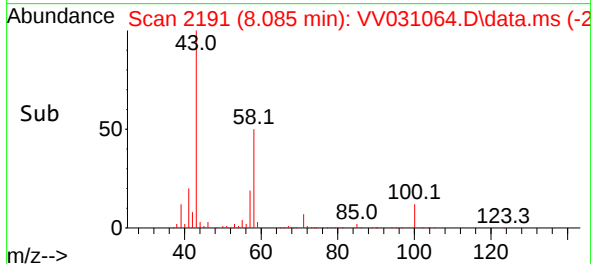
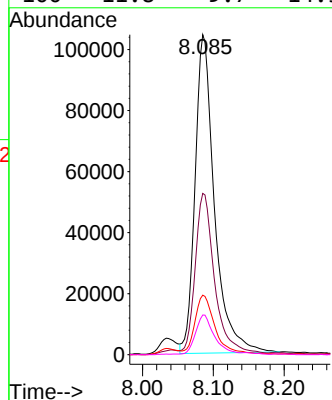
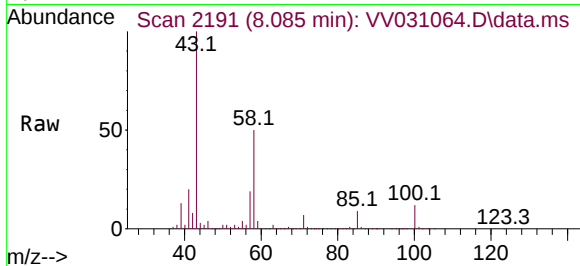


#48
2-Hexanone
Concen: 60.129 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

Tgt Ion: 43 Resp: 198820

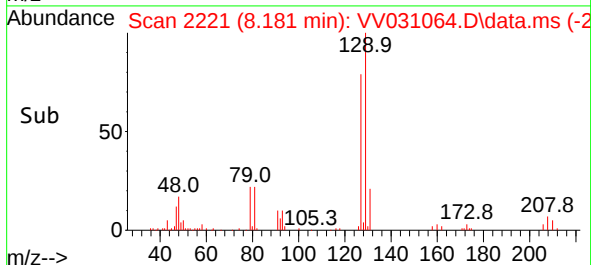
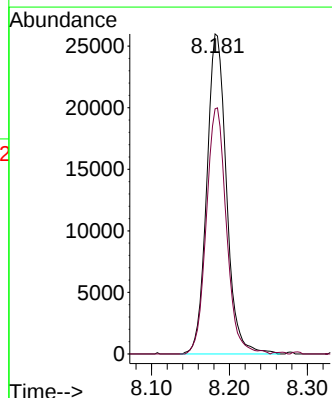
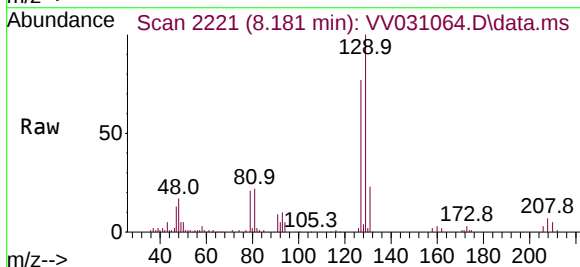
Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.9	59.9
57	19.2	14.1	21.1
100	11.8	9.7	14.5

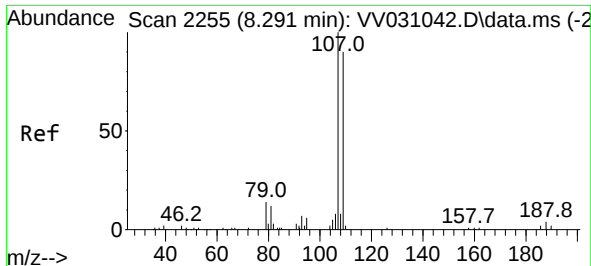


#49
Dibromochloromethane
Concen: 5.877 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 129 Resp: 45649

Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.3	102.7





#50

1,2-Dibromoethane

Concen: 5.703 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

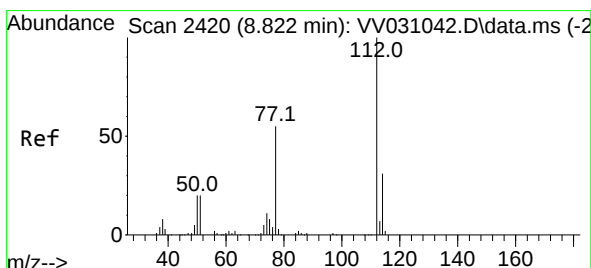
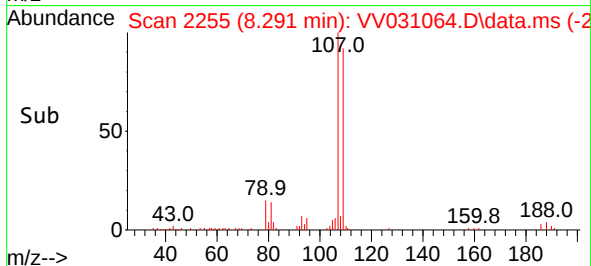
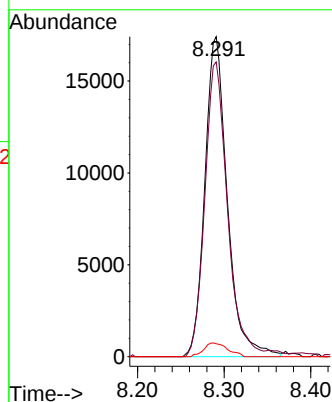
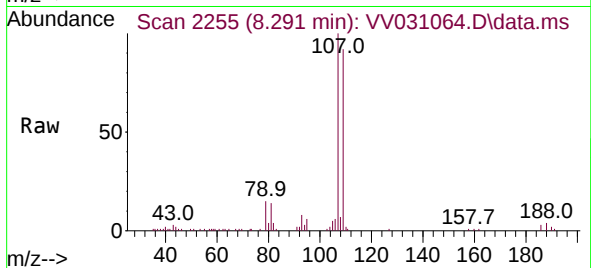
Tgt Ion:107 Resp: 31403

Ion Ratio Lower Upper

107 100

109 92.1 64.9 120.5

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 5.419 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

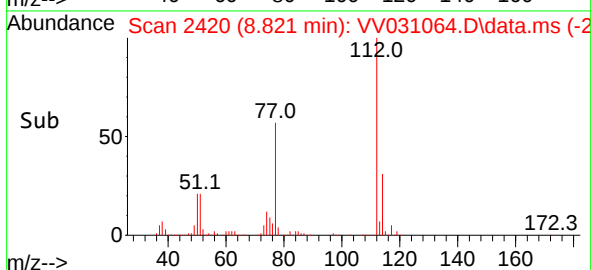
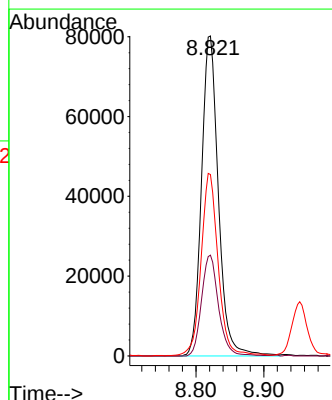
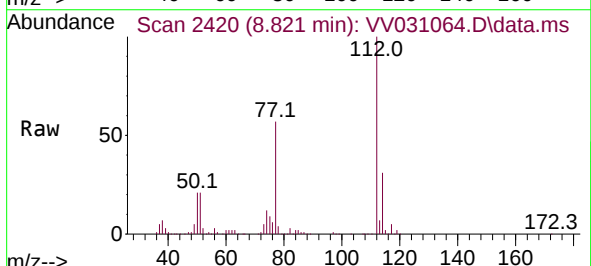
Tgt Ion:112 Resp: 138760

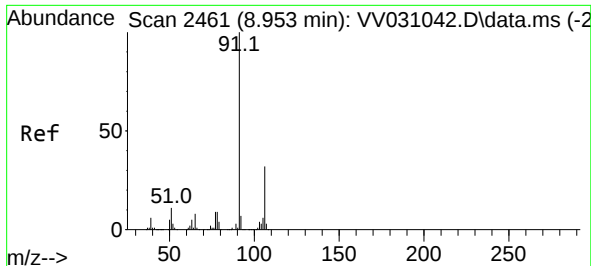
Ion Ratio Lower Upper

112 100

114 31.5 22.5 41.9

77 56.7 45.3 67.9





#52

Ethylbenzene

Concen: 5.385 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

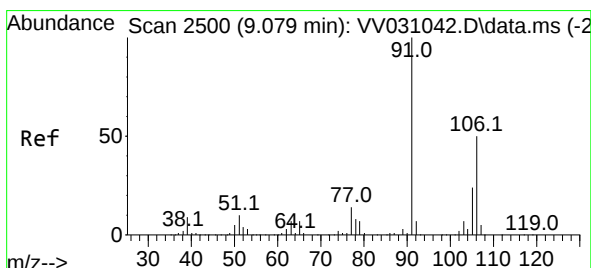
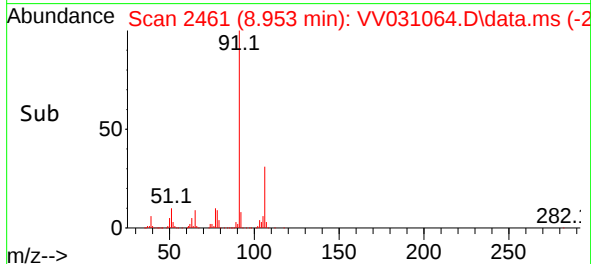
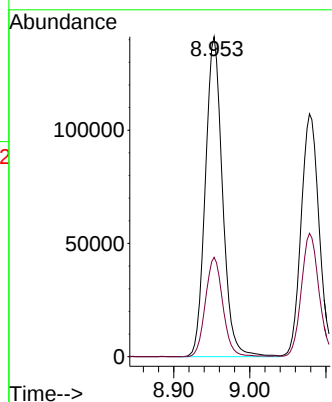
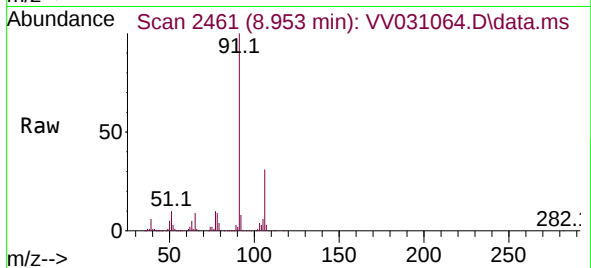
VSTD005353

Tgt Ion: 91 Resp: 221725

Ion Ratio Lower Upper

91 100

106 31.1 21.4 39.8



#53

m,p-Xylene

Concen: 5.372 ug/L

RT: 9.078 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031064.D

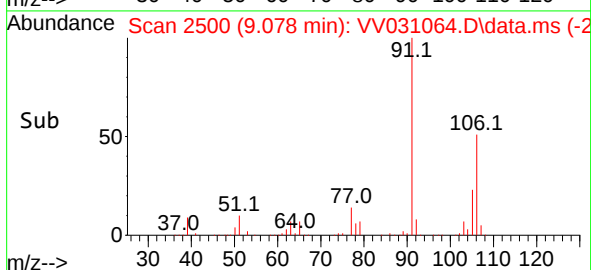
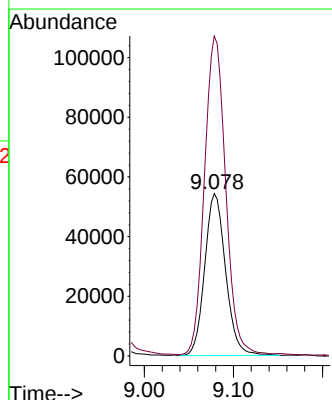
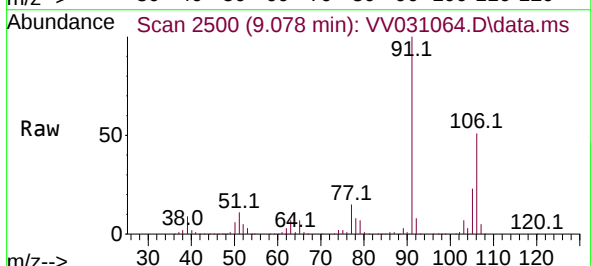
Acq: 17 May 2023 09:40

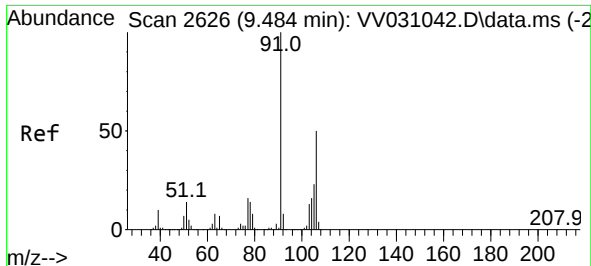
Tgt Ion: 106 Resp: 88268

Ion Ratio Lower Upper

106 100

91 197.0 138.7 257.5

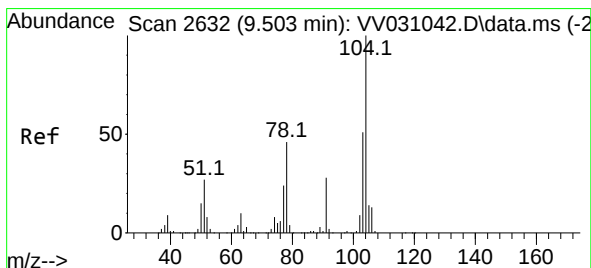
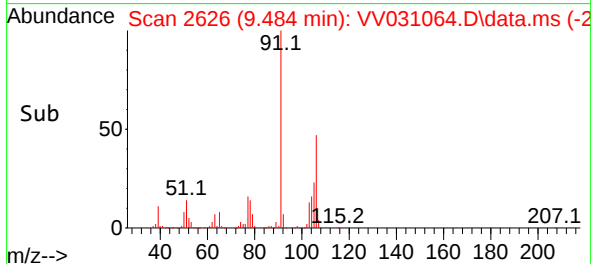
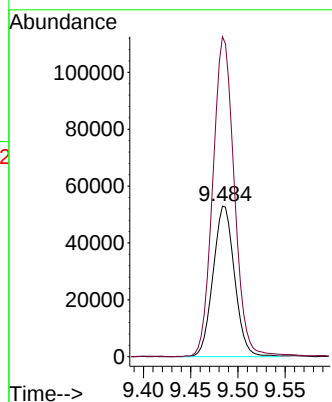
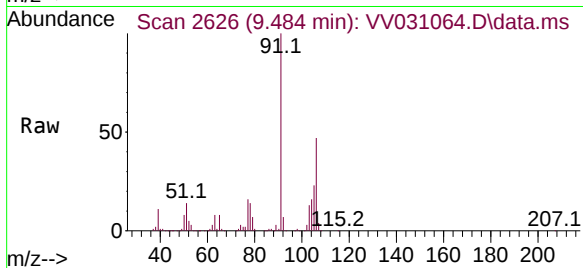




#54
o-Xylene
Concen: 5.367 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

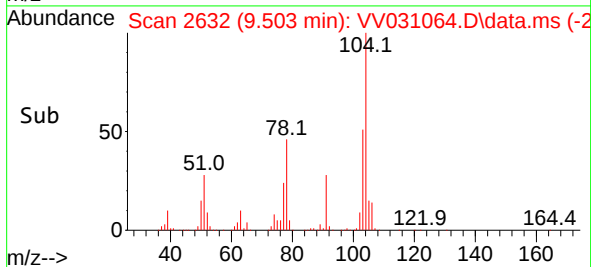
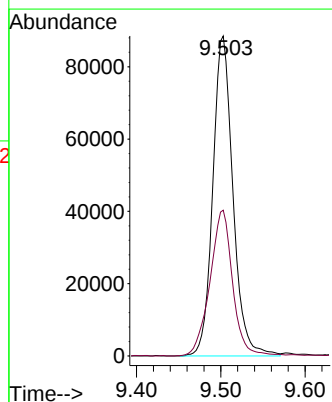
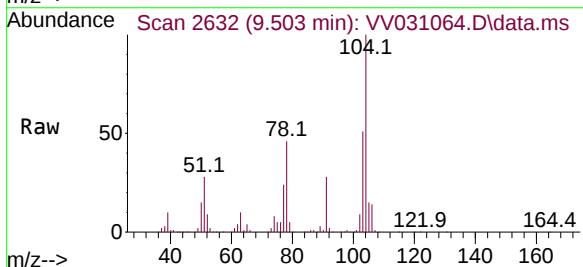
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

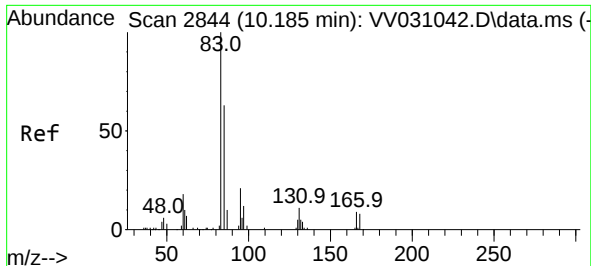
Tgt Ion:106 Resp: 83933
Ion Ratio Lower Upper
106 100
91 212.6 145.1 269.5



#55
Styrene
Concen: 5.572 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion:104 Resp: 147026
Ion Ratio Lower Upper
104 100
78 45.5 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.863 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

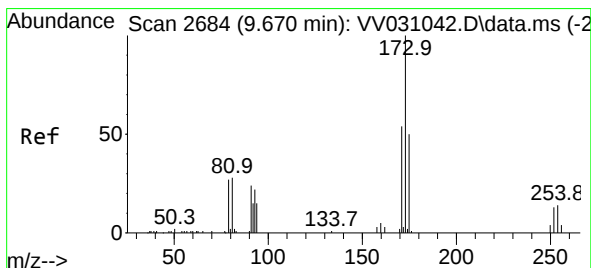
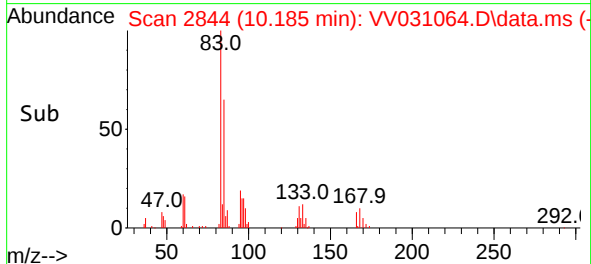
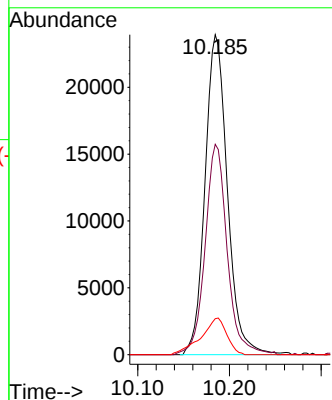
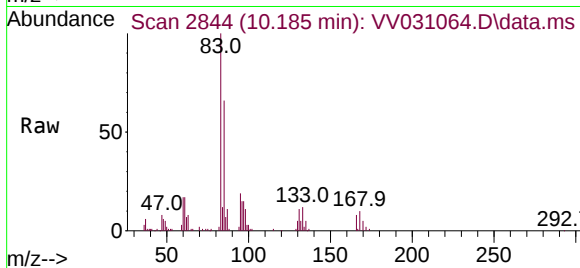
Tgt Ion: 83 Resp: 40459

Ion Ratio Lower Upper

83 100

85 65.8 45.2 84.0

131 11.3 8.3 12.5



#59

Bromoform

Concen: 5.596 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

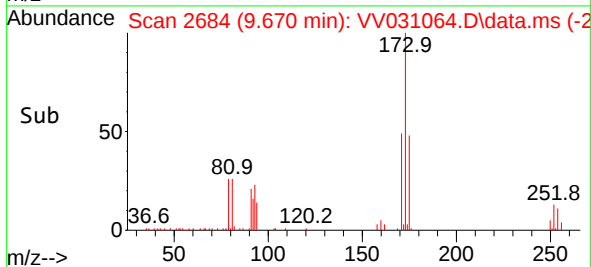
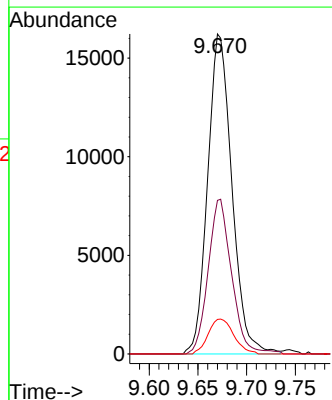
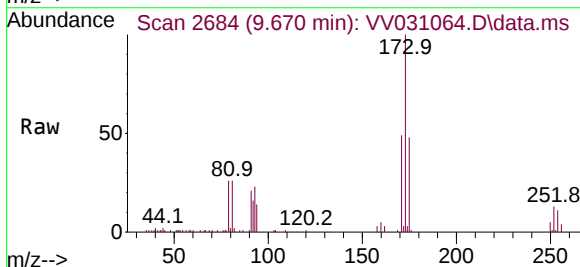
Tgt Ion: 173 Resp: 28098

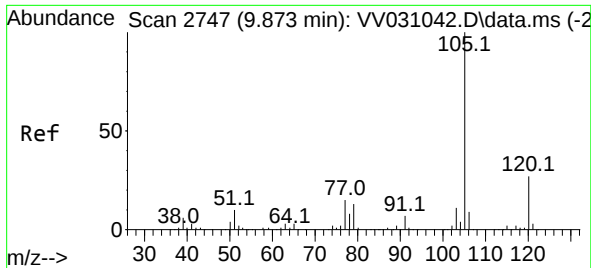
Ion Ratio Lower Upper

173 100

175 46.7 39.9 59.9

254 11.5 9.7 14.5

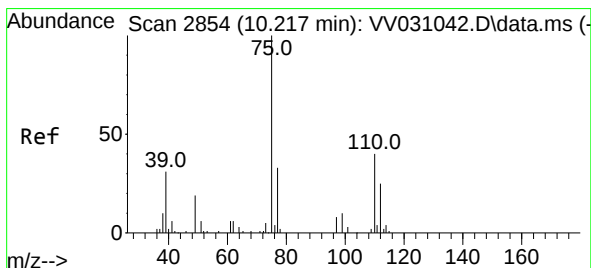
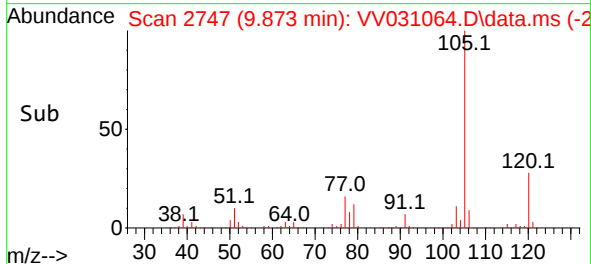
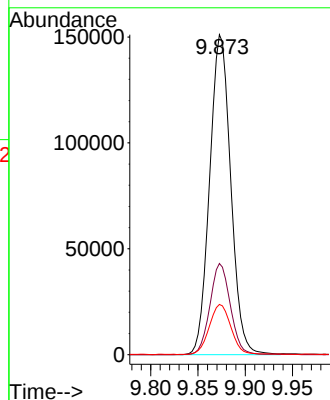
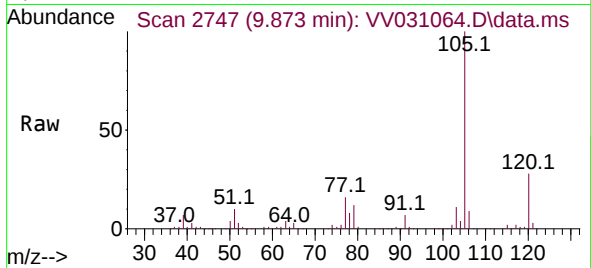




#60
Isopropylbenzene
Concen: 5.104 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

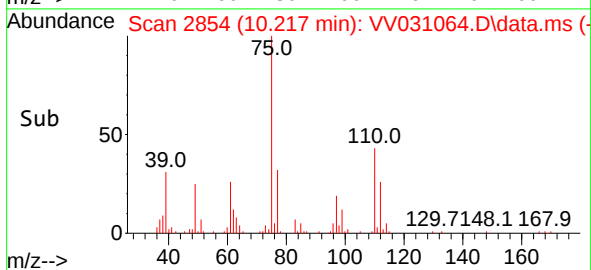
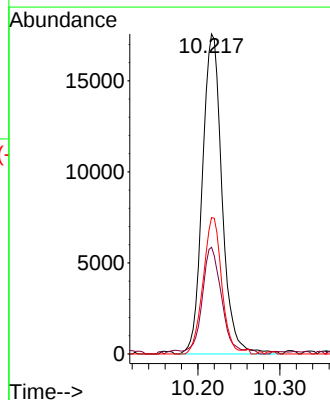
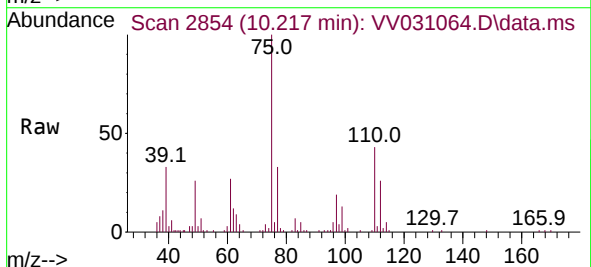
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

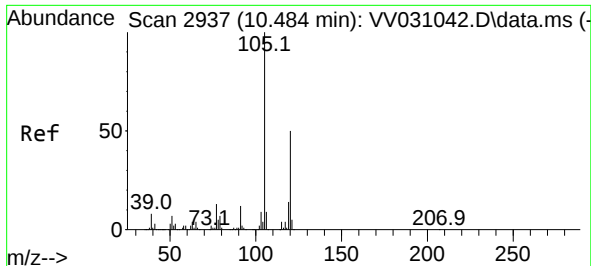
Tgt Ion:105 Resp: 234738
Ion Ratio Lower Upper
105 100
120 27.6 22.2 33.4
77 16.0 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.434 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 75 Resp: 29118
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9
110 40.4 34.0 51.0

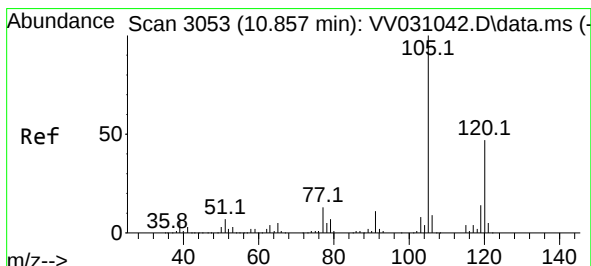
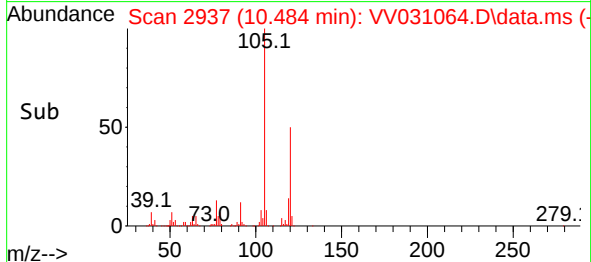
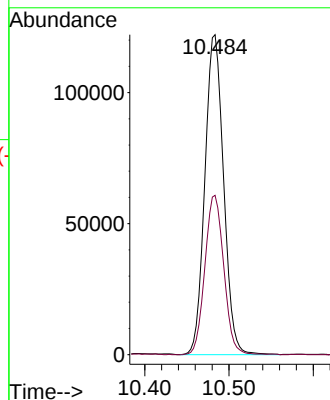
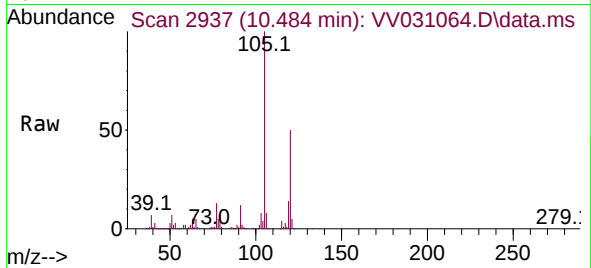




#62
1,3,5-Trimethylbenzene
Concen: 5.056 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

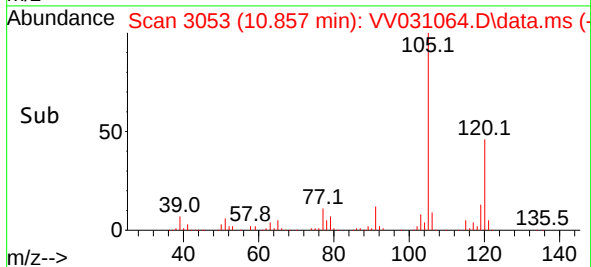
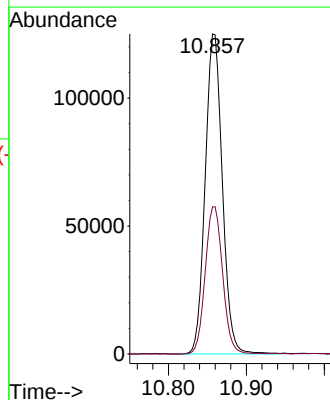
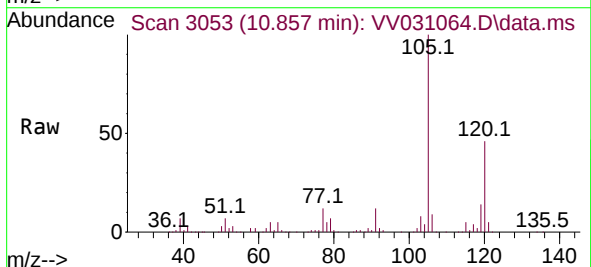
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

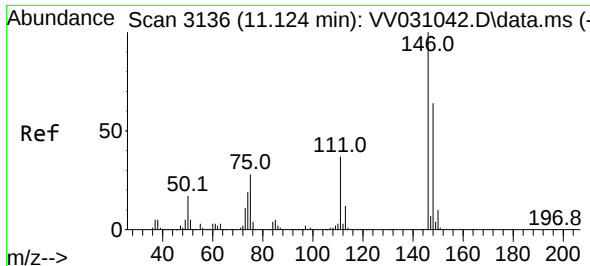
Tgt Ion:105 Resp: 189304
Ion Ratio Lower Upper
105 100
120 50.2 40.2 60.4



#63
1,2,4-Trimethylbenzene
Concen: 5.049 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion:105 Resp: 191530
Ion Ratio Lower Upper
105 100
120 46.8 37.9 56.9

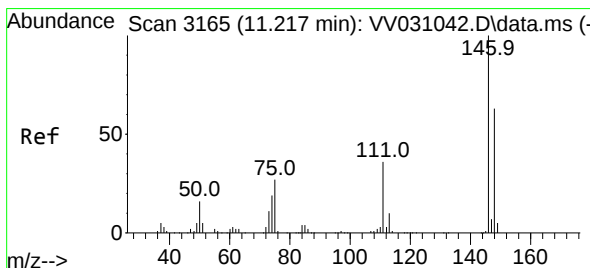
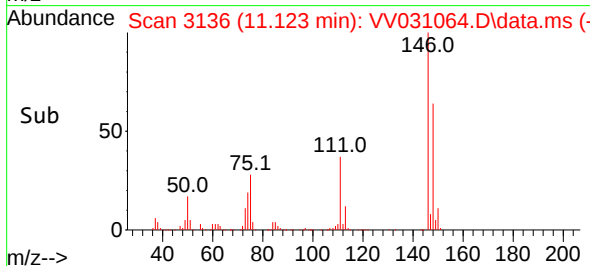
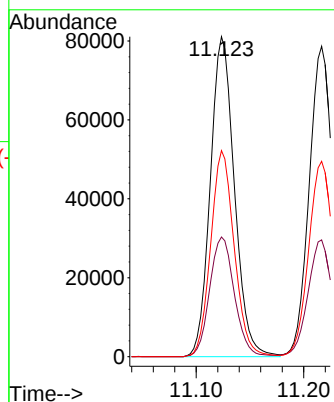
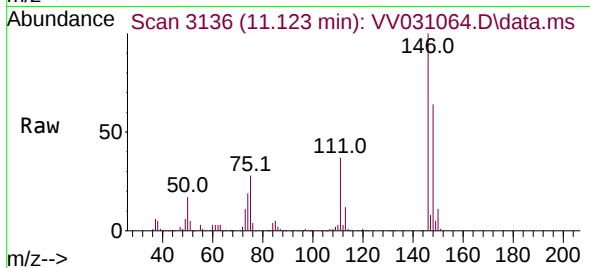




#64
1,3-Dichlorobenzene
Concen: 5.349 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

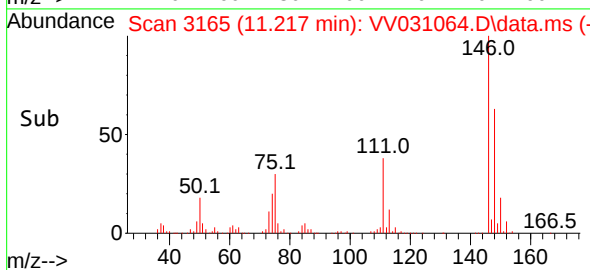
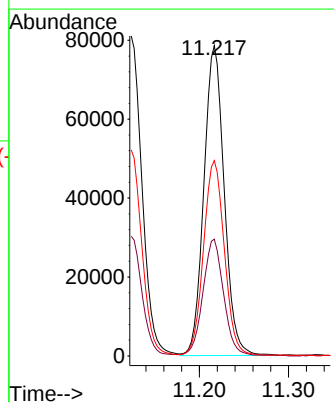
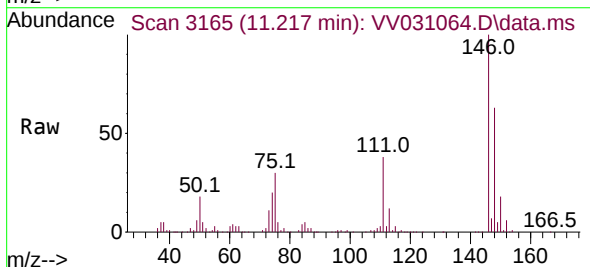
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

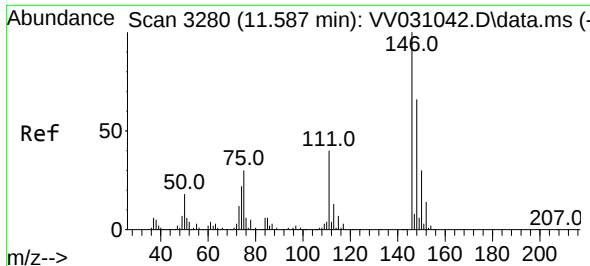
Tgt Ion:146 Resp: 126330
Ion Ratio Lower Upper
146 100
111 37.4 26.5 49.3
148 64.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.214 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion:146 Resp: 124238
Ion Ratio Lower Upper
146 100
111 37.6 23.9 44.5
148 62.9 42.8 79.6

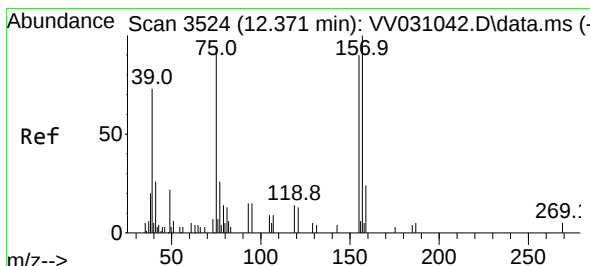
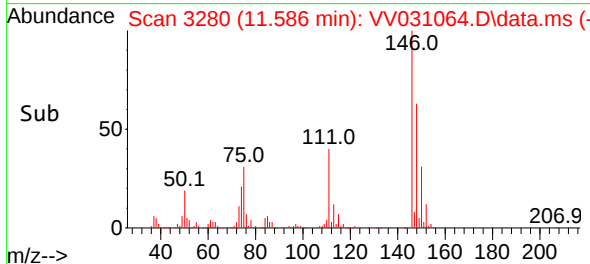
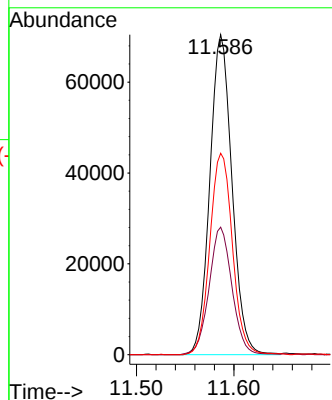
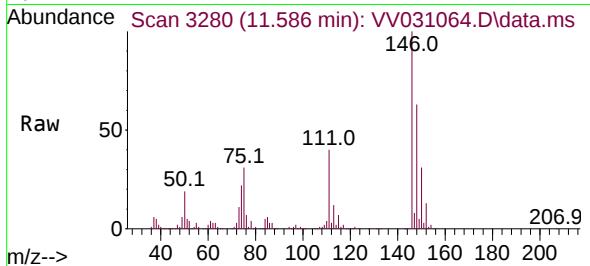




#67
1,2-Dichlorobenzene
Concen: 5.245 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

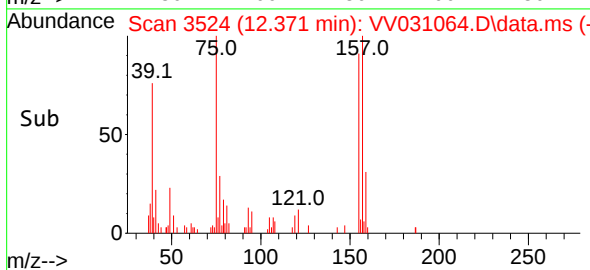
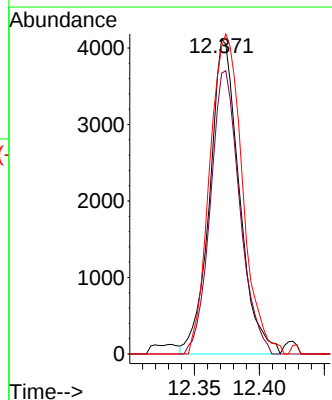
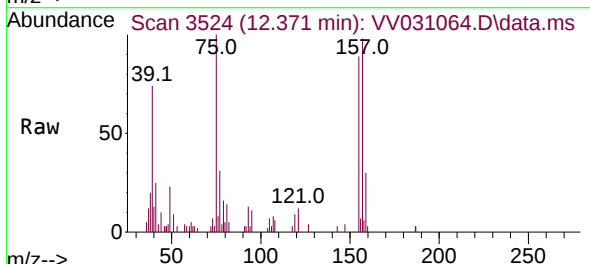
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

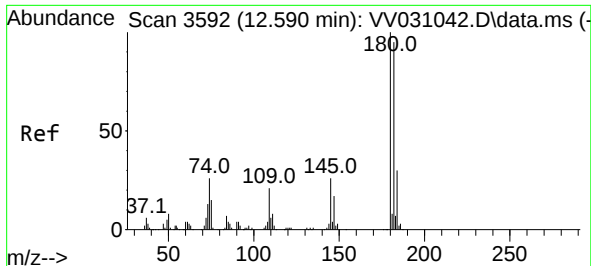
Tgt Ion:146 Resp: 111402
Ion Ratio Lower Upper
146 100
111 39.9 34.0 51.0
148 63.0 53.8 80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.776 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031064.D
Acq: 17 May 2023 09:40

Tgt Ion: 75 Resp: 6496
Ion Ratio Lower Upper
75 100
155 89.2 56.2 84.4#
157 97.5 83.1 124.7





#69

1,3,5-Trichlorobenzene

Concen: 5.182 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

Tgt Ion:180 Resp: 96914

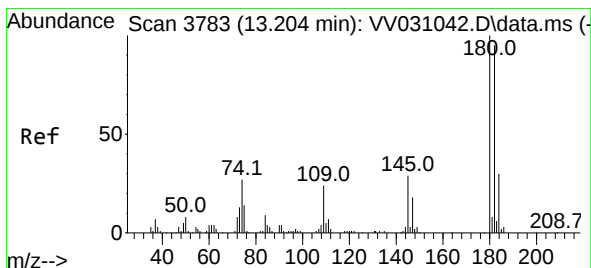
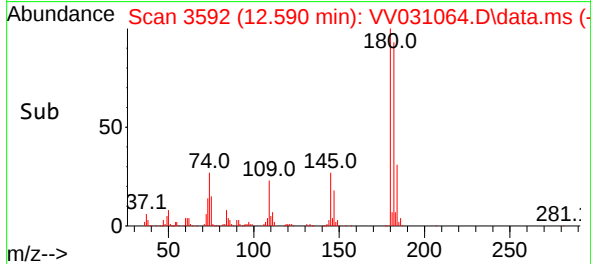
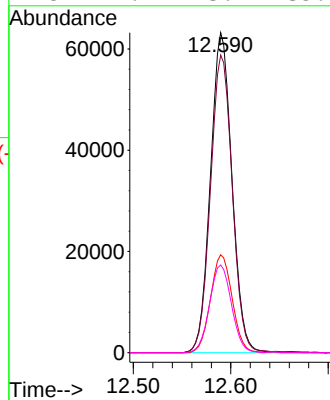
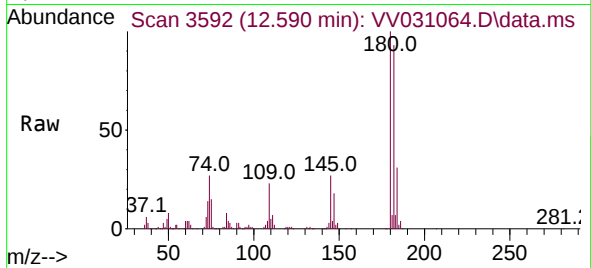
Ion Ratio Lower Upper

180 100

182 94.3 75.1 112.7

184 30.8 24.1 36.1

145 27.9 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 5.146 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

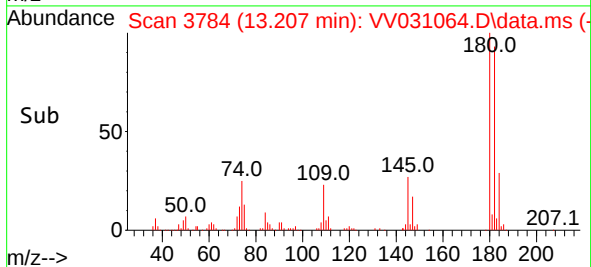
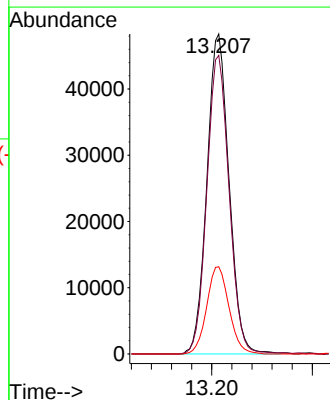
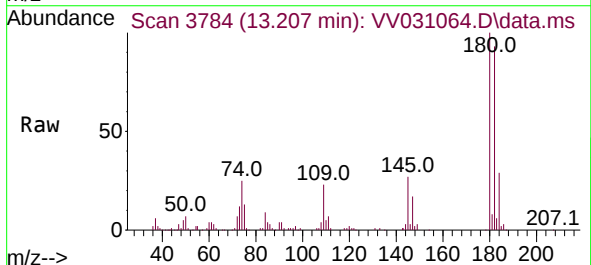
Tgt Ion:180 Resp: 73949

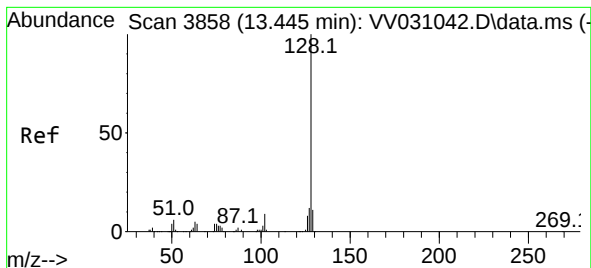
Ion Ratio Lower Upper

180 100

182 93.8 76.0 114.0

145 27.4 22.9 34.3





#71

Naphthalene

Concen: 4.345 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

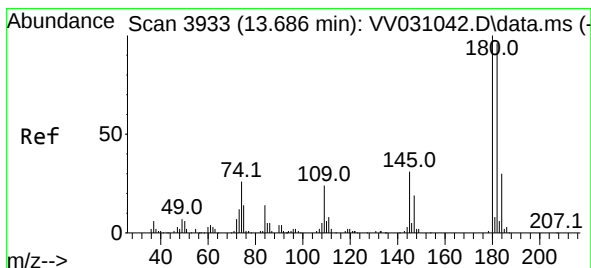
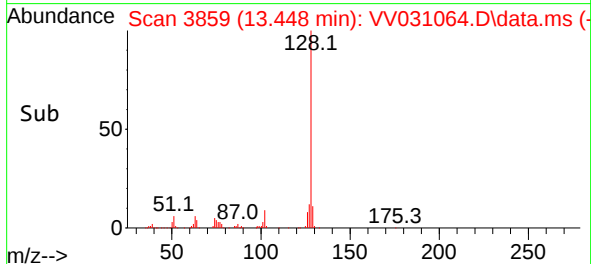
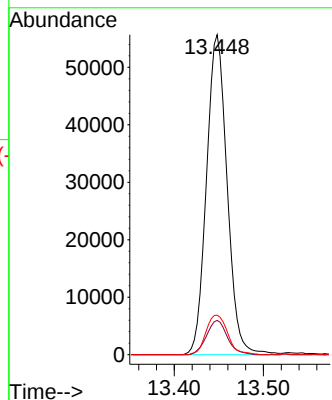
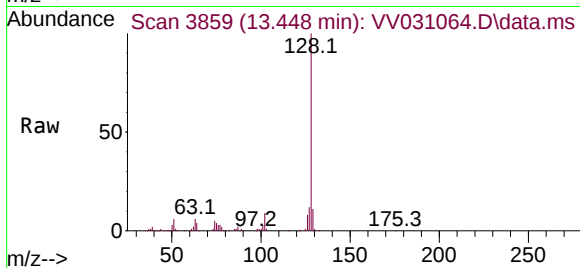
Tgt Ion:128 Resp: 89538

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.0 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 5.027 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031064.D

Acq: 17 May 2023 09:40

Tgt Ion:180 Resp: 61158

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

145 29.8 24.7 37.1

