

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052723\
 Data File : VW031264.D
 Acq On : 26 May 2023 22:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

Quant Time: May 27 01:49:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 27 01:45:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	125171	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	140789	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	78207	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	64427	4.644	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.535	69	57154	5.281	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.600%
11) 1,1-Dichloroethene-d2	2.063	65	28839	5.029	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.600%
20) 2-Butanone-d5	3.815	46	181124	60.662	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.320%
24) Chloroform-d	4.259	84	152046	5.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
26) 1,2-Dichloroethane-d4	4.950	65	72145	5.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	4.969	84	240610	4.092	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	5.995	67	78691	4.000	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.000%
41) Toluene-d8	7.249	98	228233	4.442	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	7.561	79	24976	3.948	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.034	63	109650	42.451	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.900%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	70080	5.047	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	11.567	152	83358	4.543	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	73392	5.449	ug/L	98
3) Chloromethane	1.217	50	76923	5.104	ug/L	100
5) Vinyl chloride	1.285	62	79559	5.459	ug/L	100
6) Bromomethane	1.494	94	40635	5.647	ug/L	98
8) Chloroethane	1.555	64	43056	5.605	ug/L	97
9) Trichlorofluoromethane	1.719	101	111611	5.570	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	60552	5.709	ug/L	97
12) 1,1-Dichloroethene	2.076	96	50468	5.957	ug/L #	69
13) Acetone	2.146	43	93245	39.738	ug/L	99
14) Carbon disulfide	2.246	76	136802	5.452	ug/L	99
15) Methyl Acetate	2.391	43	27012	5.779	ug/L	96
16) Methylene chloride	2.452	84	70158	4.798	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	136552	5.844	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	55626	5.889	ug/L	95
19) 1,1-Dichloroethane	3.121	63	137262	5.890	ug/L	99
21) 2-Butanone	3.902	43	158886	53.553	ug/L	93
22) cis-1,2-Dichloroethene	3.825	96	62682	5.775	ug/L	98
23) Bromochloromethane	4.156	128	31688	6.553	ug/L	91
25) Chloroform	4.288	83	152207	6.387	ug/L	93

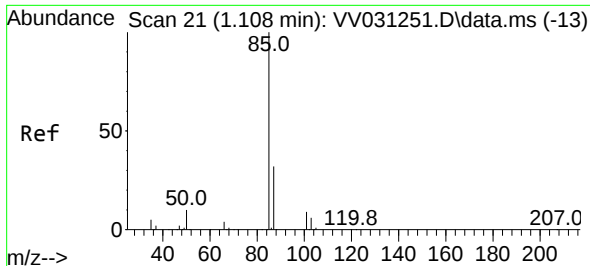
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052723\
 Data File : VW031264.D
 Acq On : 26 May 2023 22:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

Quant Time: May 27 01:49:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 27 01:45:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	74247	5.489	ug/L #	95
29) 1,1,1-Trichloroethane	4.523	97	127337	4.853	ug/L	98
30) Cyclohexane	4.590	56	86793	4.321	ug/L	99
31) Carbon tetrachloride	4.744	117	113013	4.995	ug/L	100
33) Benzene	5.021	78	235542	4.489	ug/L	100
34) Trichloroethene	5.841	95	58759	4.168	ug/L	98
35) Methylcyclohexane	6.059	83	76068	3.904	ug/L	99
37) 1,2-Dichloropropane	6.101	63	66543	4.329	ug/L	100
38) Bromodichloromethane	6.439	83	74622	3.873	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	72424	3.976	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	370230	49.173	ug/L	99
42) Toluene	7.323	91	259833	5.040	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	66293	4.195	ug/L	91
45) 1,1,2-Trichloroethane	7.776	97	44441	4.781	ug/L	95
47) Tetrachloroethene	7.911	164	49023	4.798	ug/L	95
48) 2-Hexanone	8.085	43	274601	46.971	ug/L	98
49) Dibromochloromethane	8.185	129	54155	4.849	ug/L	100
50) 1,2-Dibromoethane	8.288	107	38684	4.507	ug/L	97
51) Chlorobenzene	8.821	112	170801	5.037	ug/L	97
52) Ethylbenzene	8.953	91	272788	4.799	ug/L	99
53) m,p-Xylene	9.079	106	102113	4.861	ug/L	99
54) o-Xylene	9.484	106	96863	4.844	ug/L	97
55) Styrene	9.503	104	178243	5.055	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	62116	5.294	ug/L	95
59) Bromoform	9.673	173	34754	5.489	ug/L	98
60) Isopropylbenzene	9.873	105	274450	4.813	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	45765	5.354	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	210531	4.554	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	219638	4.640	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	140138	5.191	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	143737	5.204	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	133657	5.166	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	10150	5.635	ug/L	91
69) 1,3,5-Trichlorobenzene	12.590	180	98518	4.494	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	72944	4.163	ug/L	98
71) Naphthalene	13.448	128	89031	3.433	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	65651	4.356	ug/L	98

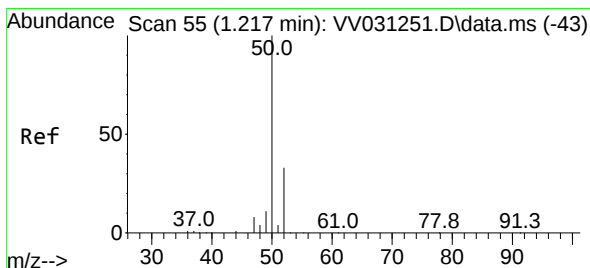
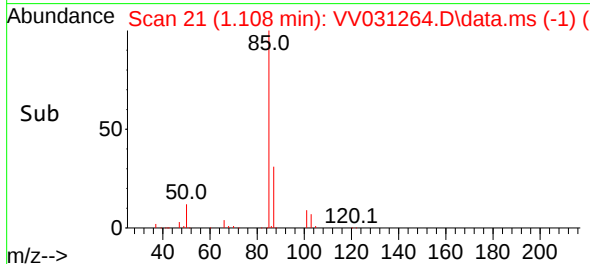
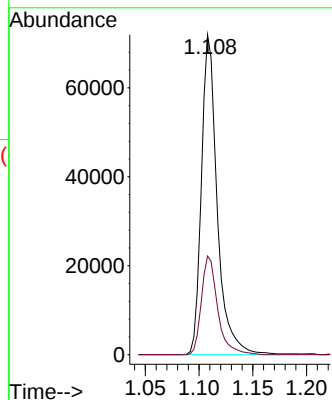
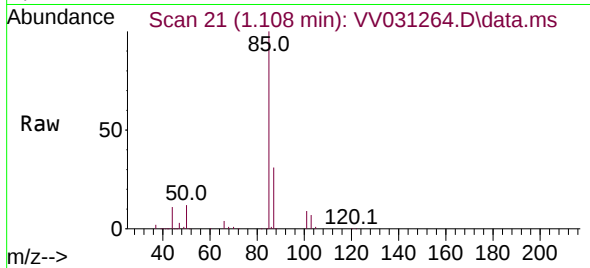
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.449 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

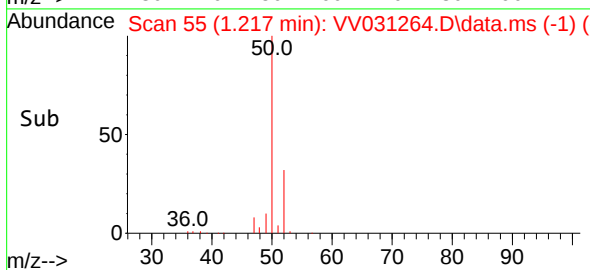
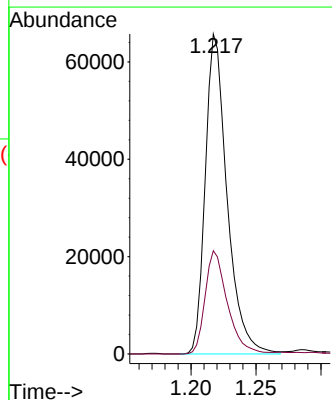
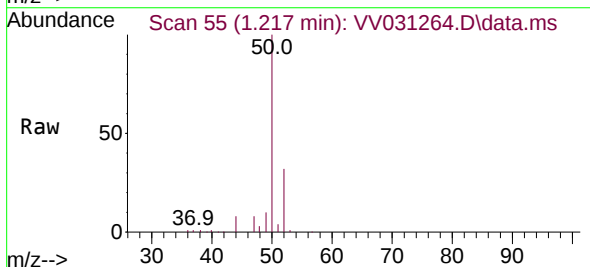
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

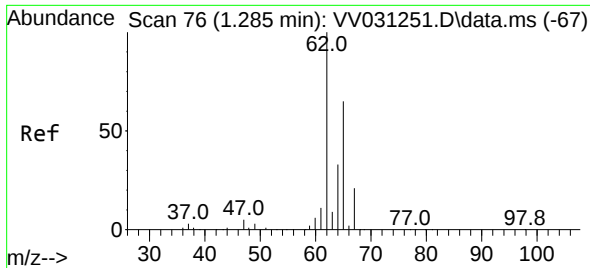
Tgt Ion: 85 Resp: 73392
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1



#3
Chloromethane
Concen: 5.104 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 50 Resp: 76923
Ion Ratio Lower Upper
50 100
52 32.3 22.7 42.1

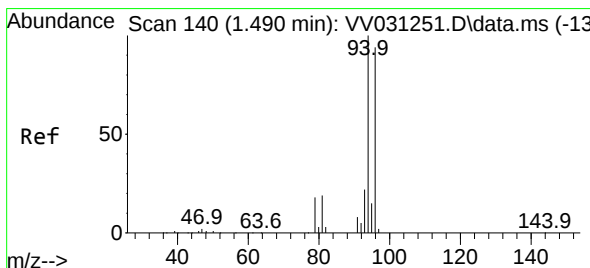
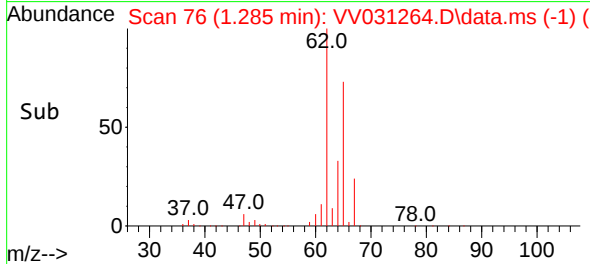
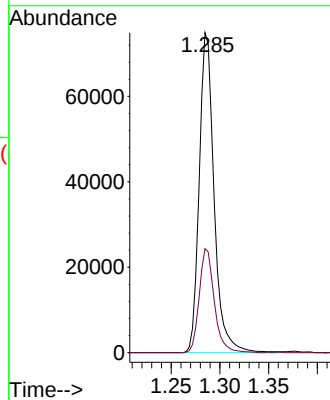
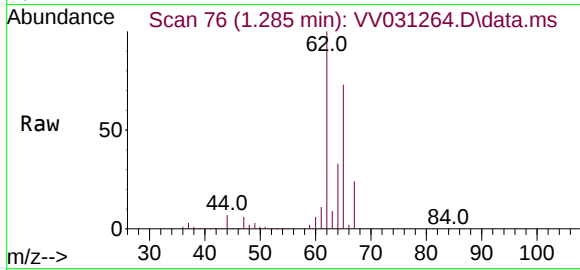




#5
 Vinyl chloride
 Concen: 5.459 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

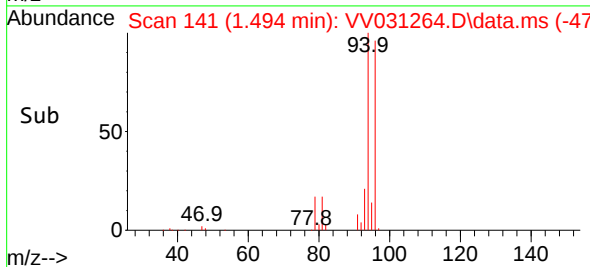
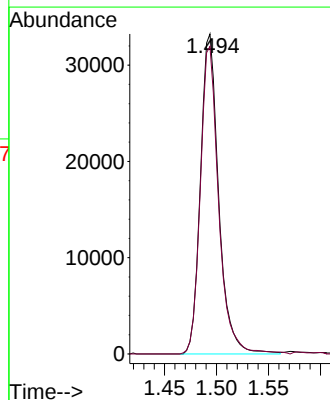
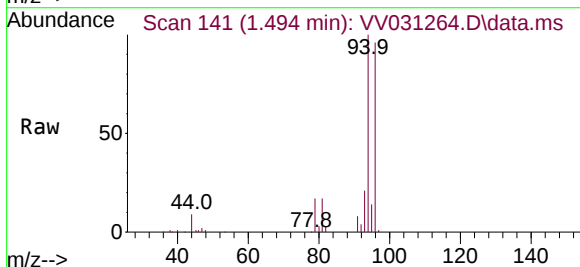
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

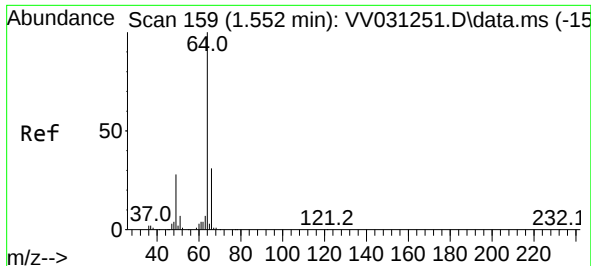
Tgt Ion: 62 Resp: 79559
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.7 42.3



#6
 Bromomethane
 Concen: 5.647 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

Tgt Ion: 94 Resp: 40635
 Ion Ratio Lower Upper
 94 100
 96 96.1 65.8 122.2

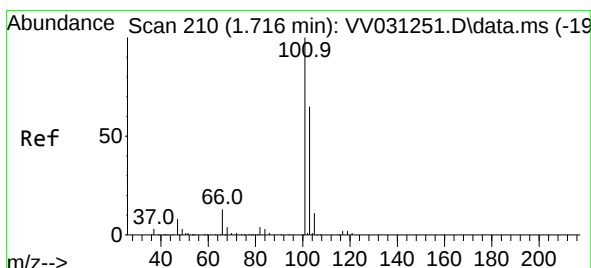
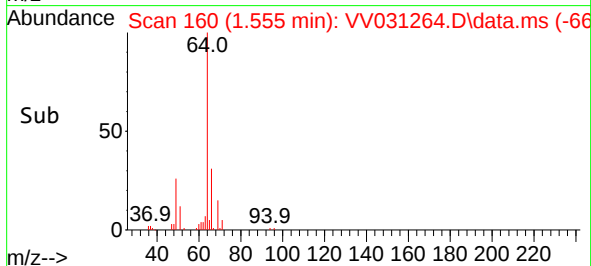
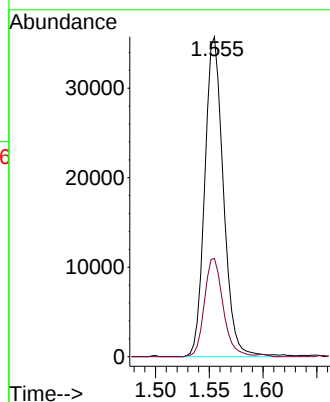
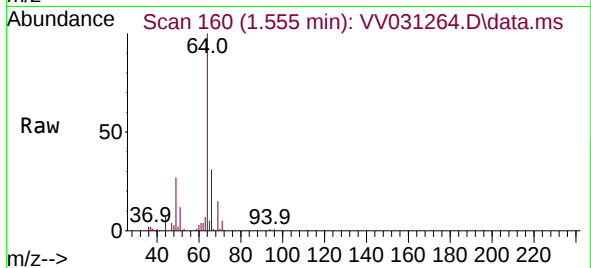




#8
Chloroethane
Concen: 5.605 ug/L
RT: 1.555 min Scan# 10
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

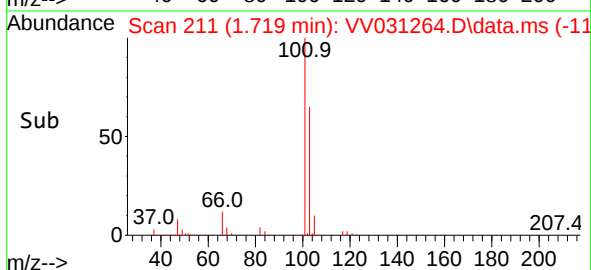
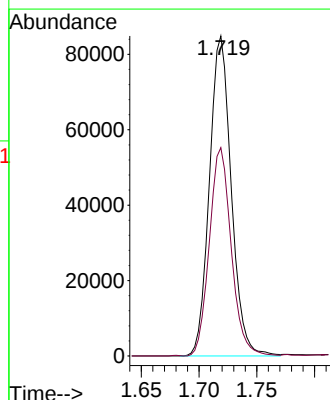
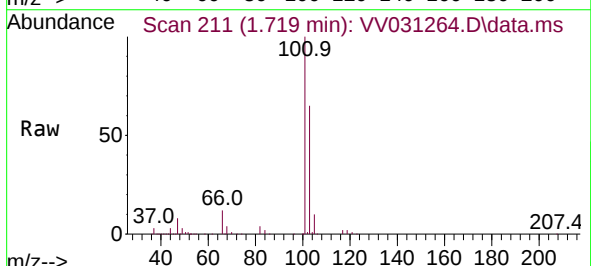
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

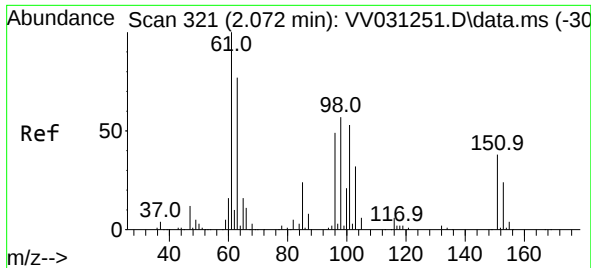
Tgt Ion: 64 Resp: 43056
Ion Ratio Lower Upper
64 100
66 30.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.570 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion:101 Resp: 111611
Ion Ratio Lower Upper
101 100
103 65.3 52.1 78.1

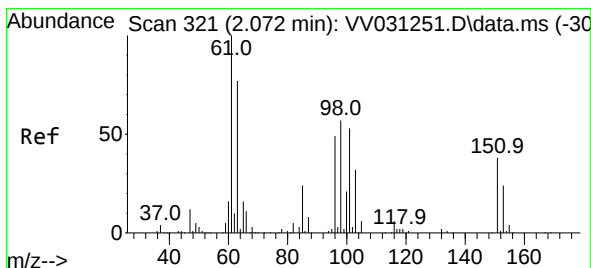
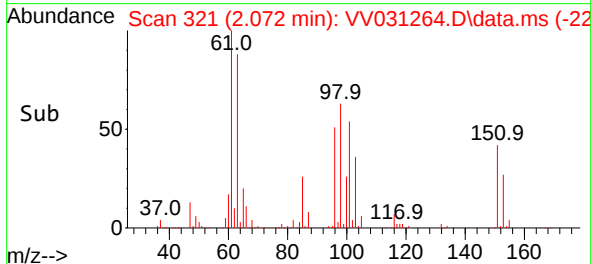
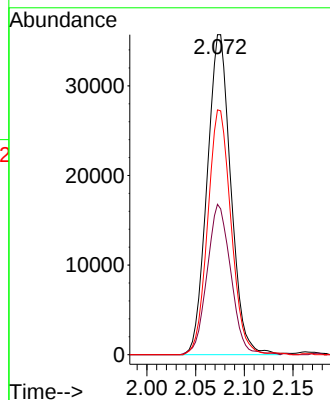
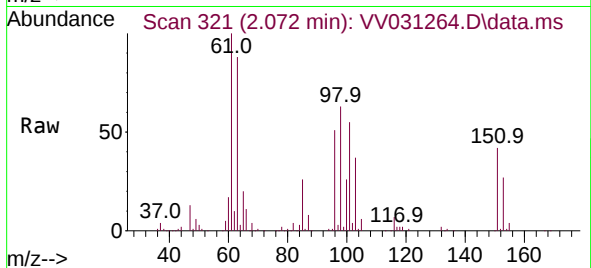




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.709 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

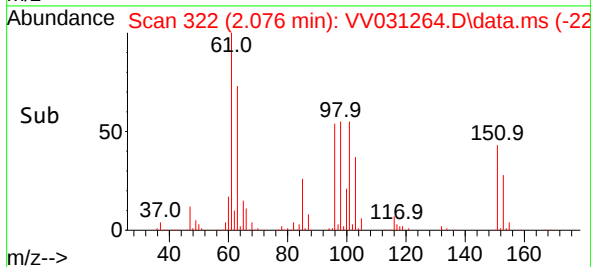
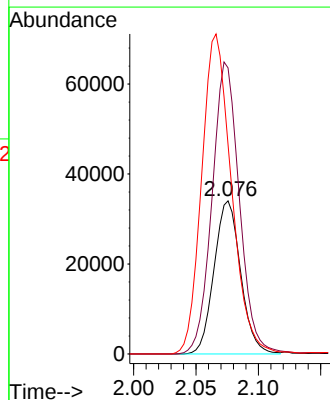
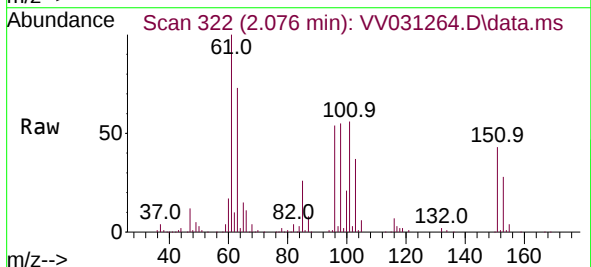
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

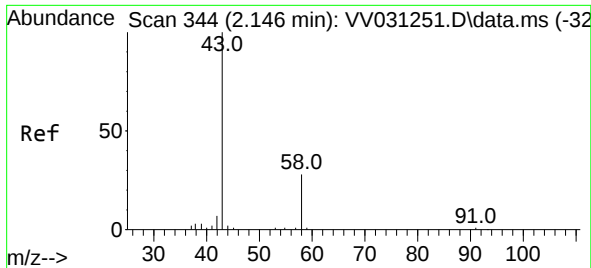
Tgt Ion:101 Resp: 60552
 Ion Ratio Lower Upper
 101 100
 85 46.9 37.6 56.4
 151 75.1 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 5.957 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

Tgt Ion: 96 Resp: 50468
 Ion Ratio Lower Upper
 96 100
 61 186.8 150.0 278.6
 63 136.7 143.5 266.5#





#13

Acetone

Concen: 39.738 ug/L

RT: 2.146 min Scan# 344

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

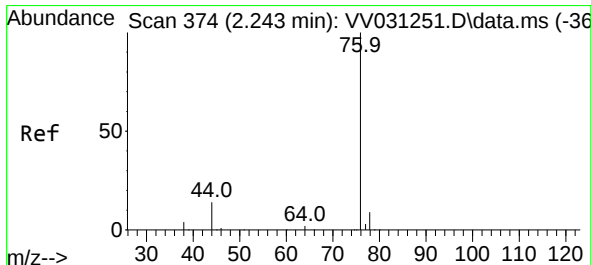
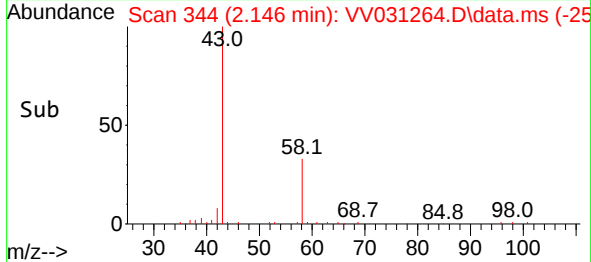
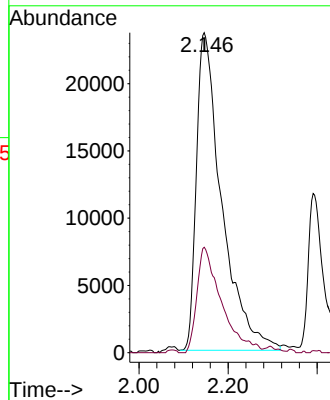
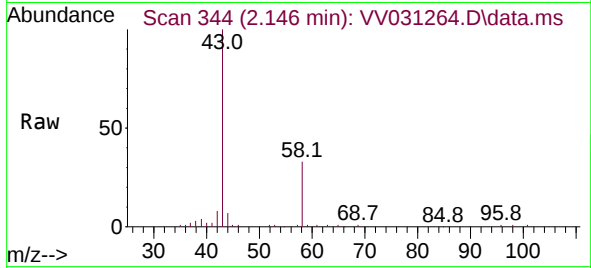
VSTD005360

Tgt Ion: 43 Resp: 93245

Ion Ratio Lower Upper

43 100

58 31.6 0.0 62.2



#14

Carbon disulfide

Concen: 5.452 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.003 min

Lab File: VV031264.D

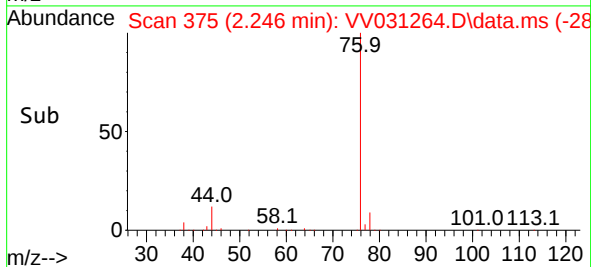
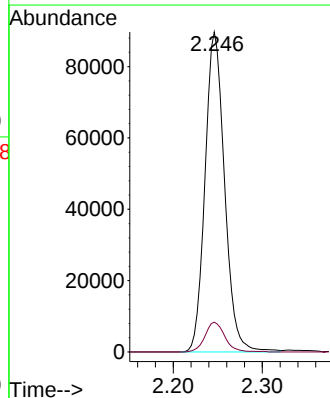
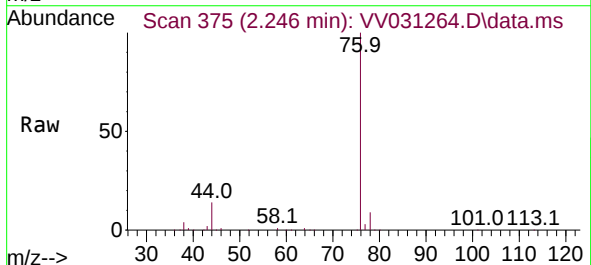
Acq: 26 May 2023 22:38

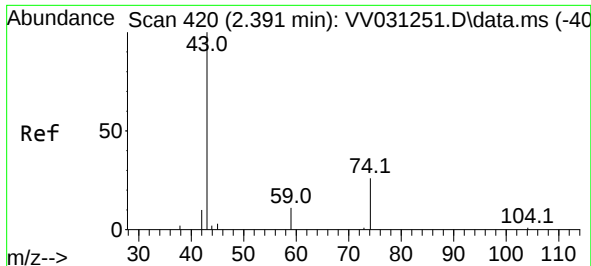
Tgt Ion: 76 Resp: 136802

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

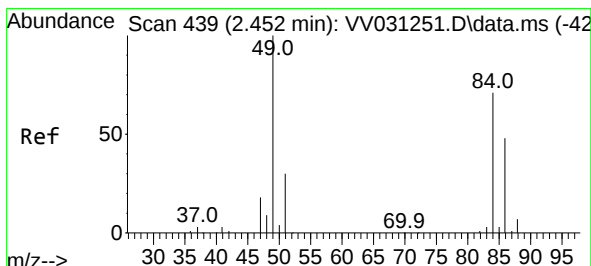
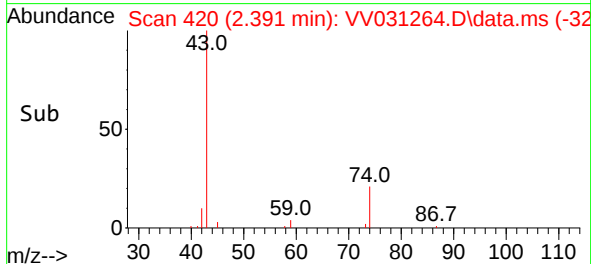
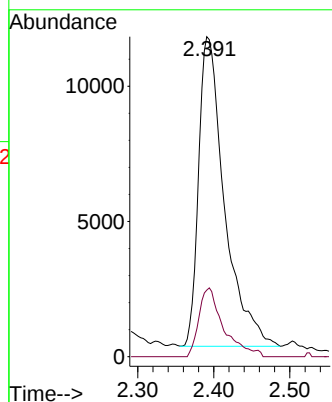
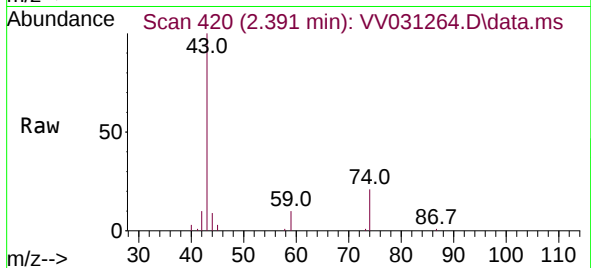




#15
Methyl Acetate
Concen: 5.779 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

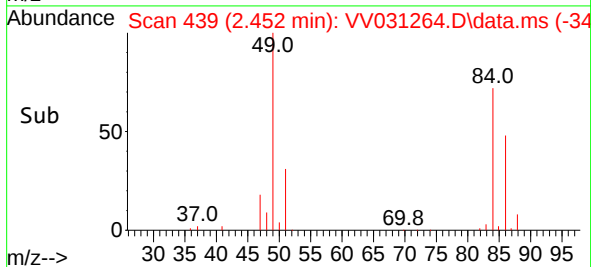
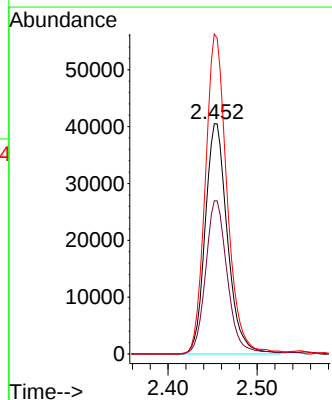
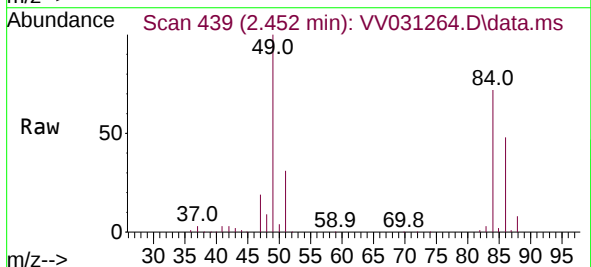
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

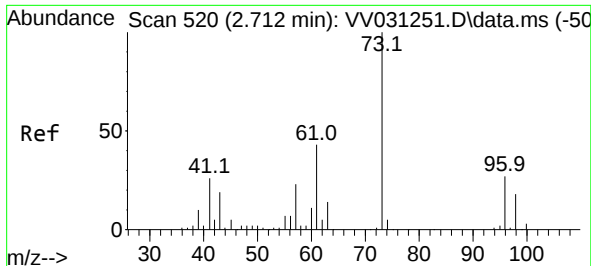
Tgt Ion: 43 Resp: 27012
Ion Ratio Lower Upper
43 100
74 21.1 15.5 23.3



#16
Methylene chloride
Concen: 4.798 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 84 Resp: 70158
Ion Ratio Lower Upper
84 100
86 66.5 46.8 86.8
49 139.0 98.8 183.4





#17

Methyl tert-butyl Ether

Concen: 5.844 ug/L

RT: 2.712 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

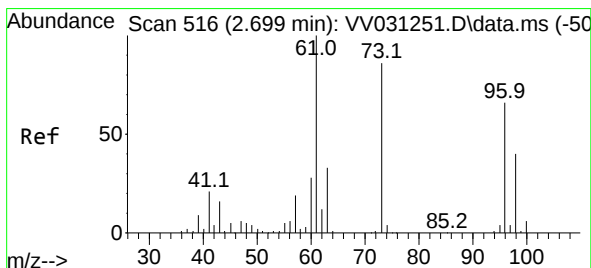
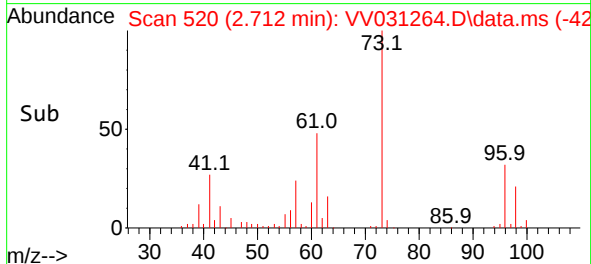
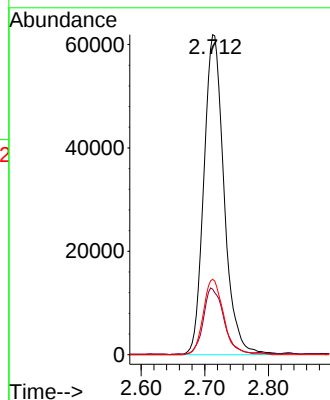
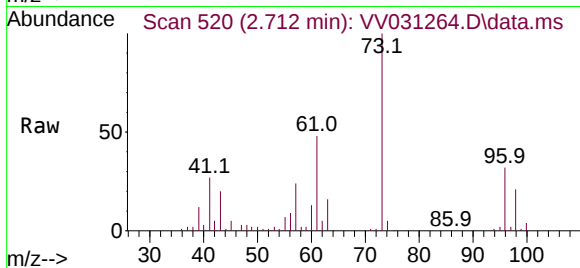
Tgt Ion: 73 Resp: 136552

Ion Ratio Lower Upper

73 100

43 20.7 17.0 25.6

57 23.6 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 5.889 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

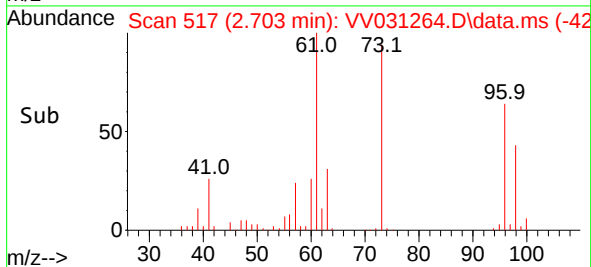
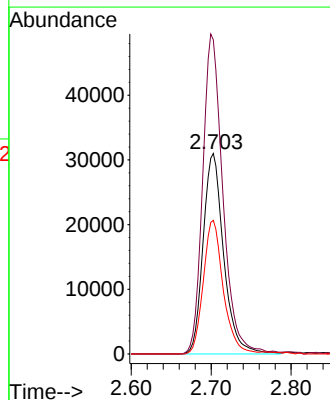
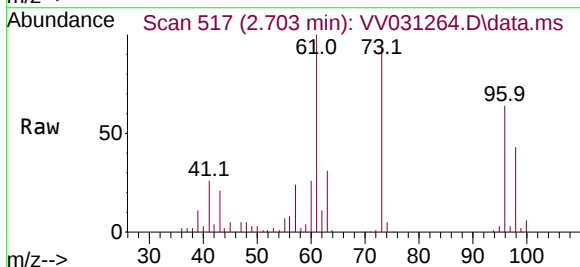
Tgt Ion: 96 Resp: 55626

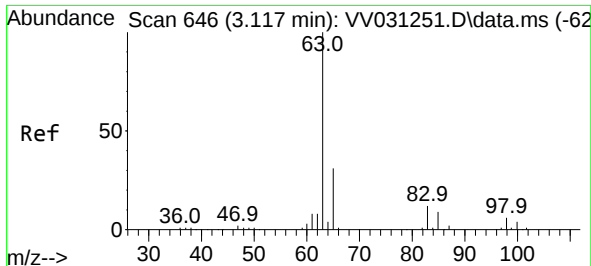
Ion Ratio Lower Upper

96 100

61 156.7 115.0 213.6

98 66.7 44.4 82.5





#19

1,1-Dichloroethane

Concen: 5.890 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

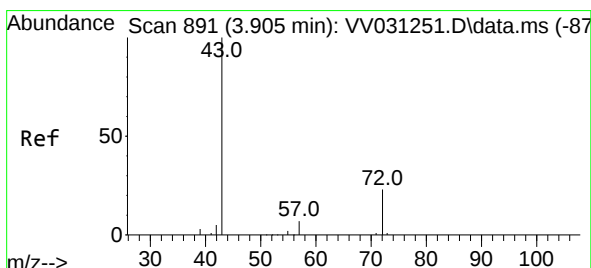
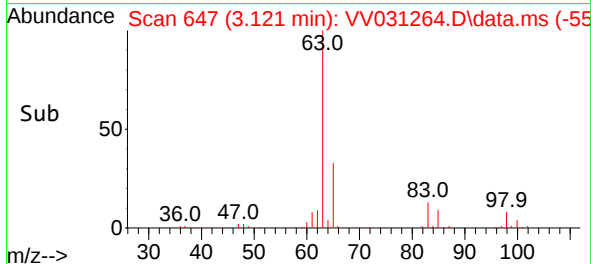
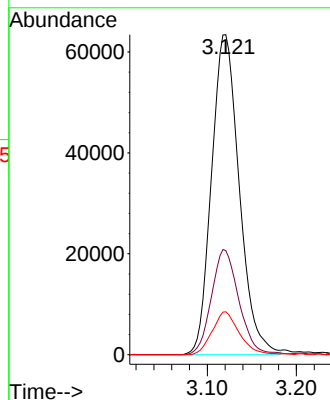
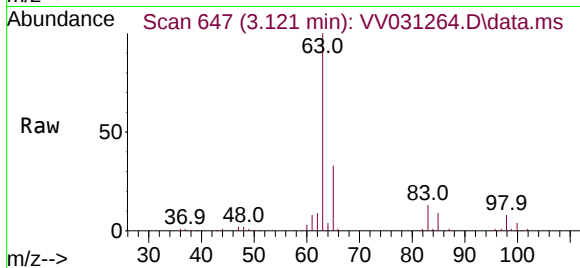
Tgt Ion: 63 Resp: 137262

Ion Ratio Lower Upper

63 100

65 32.5 22.4 41.6

83 13.4 9.0 16.6



#21

2-Butanone

Concen: 53.553 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV031264.D

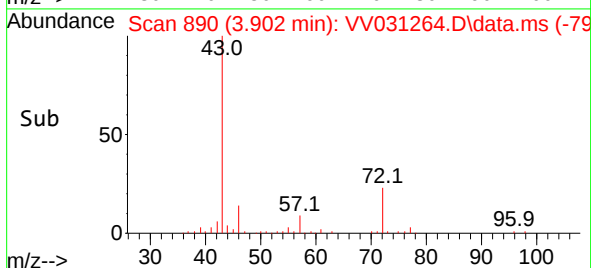
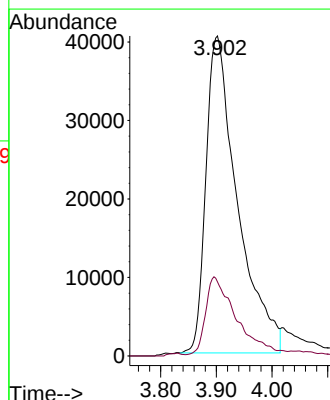
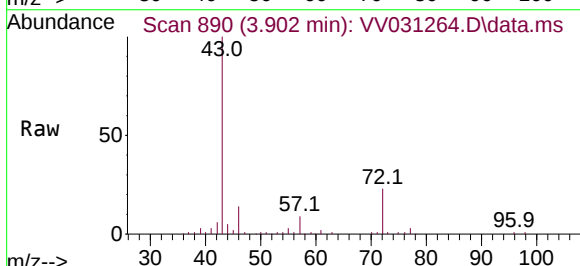
Acq: 26 May 2023 22:38

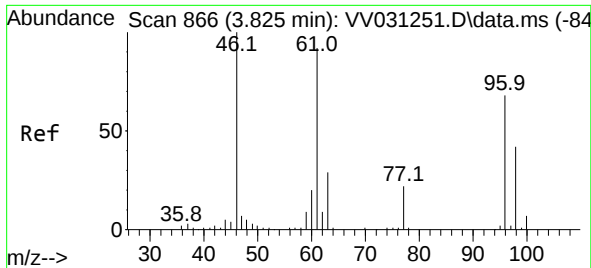
Tgt Ion: 43 Resp: 158886

Ion Ratio Lower Upper

43 100

72 24.0 10.3 30.9

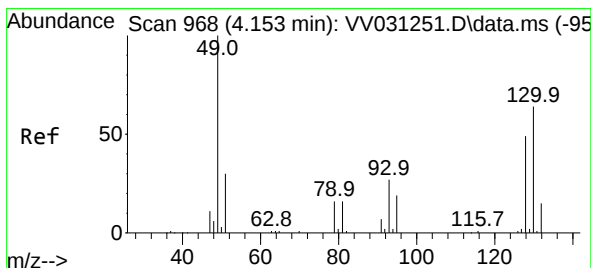
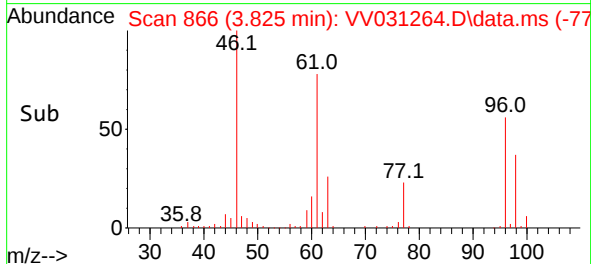
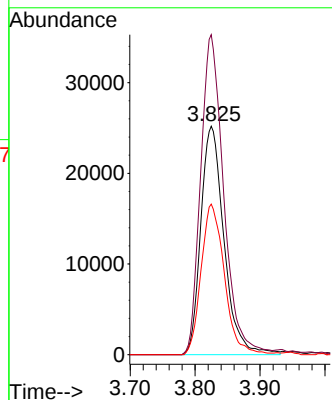
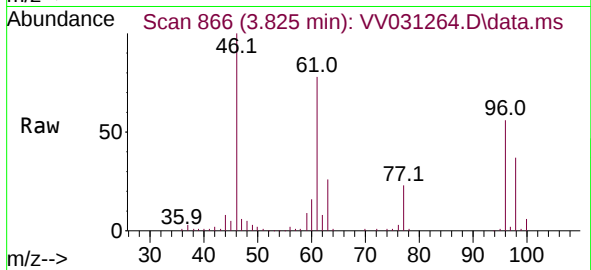




#22
 cis-1,2-Dichloroethene
 Concen: 5.775 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

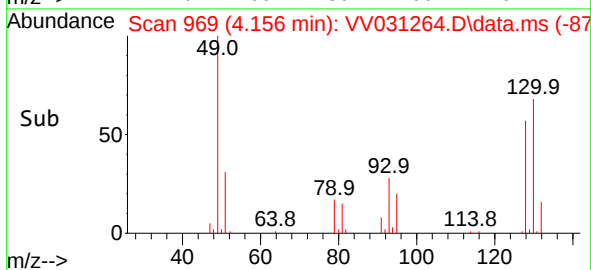
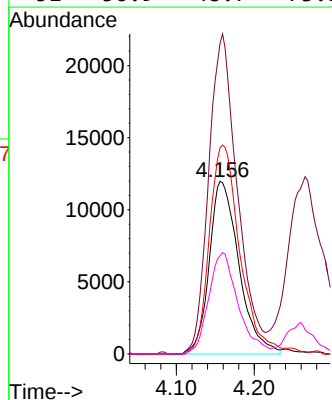
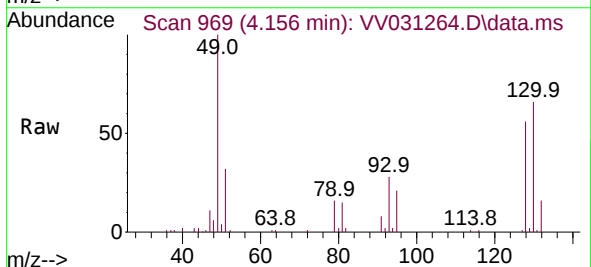
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

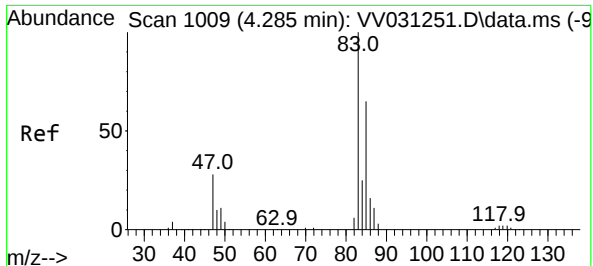
Tgt Ion: 96 Resp: 62682
 Ion Ratio Lower Upper
 96 100
 61 140.1 98.2 182.4
 98 65.9 42.8 79.6



#23
 Bromochloromethane
 Concen: 6.553 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.003 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

Tgt Ion: 128 Resp: 31688
 Ion Ratio Lower Upper
 128 100
 49 180.1 136.2 253.0
 130 119.4 92.0 170.9
 51 56.9 48.7 73.1

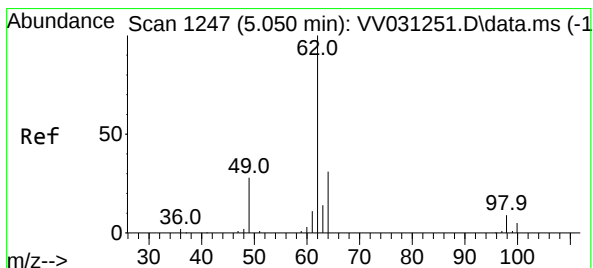
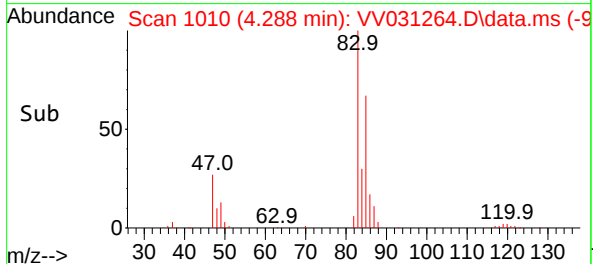
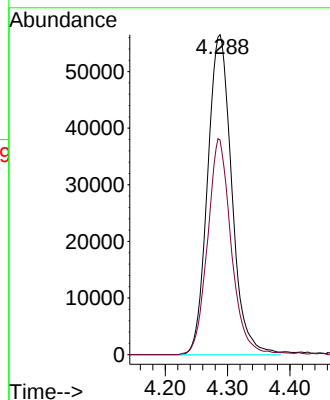
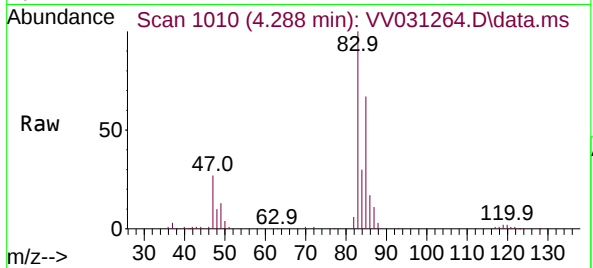




#25
Chloroform
Concen: 6.387 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

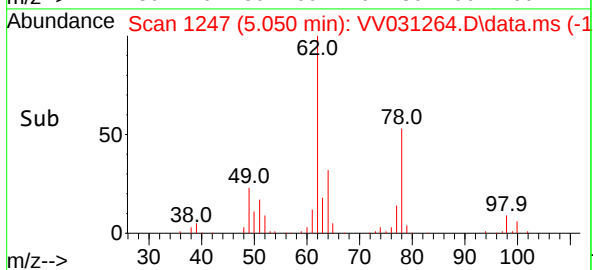
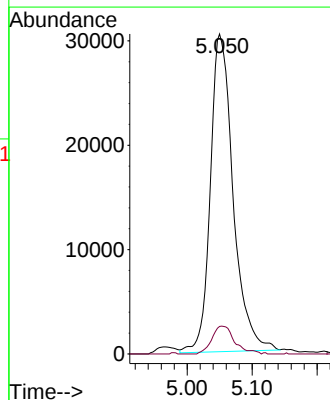
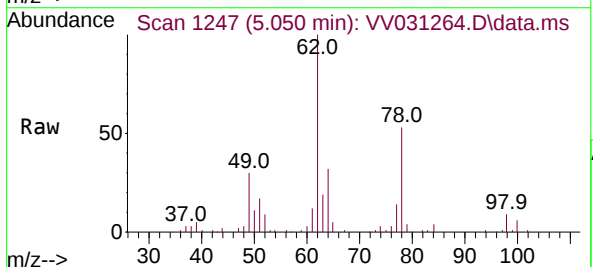
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

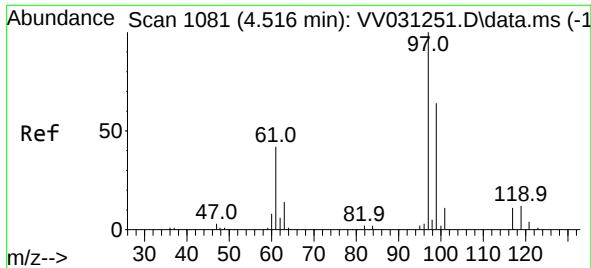
Tgt Ion: 83 Resp: 152207
Ion Ratio Lower Upper
83 100
85 67.1 43.4 80.6



#27
1,2-Dichloroethane
Concen: 5.489 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 62 Resp: 74247
Ion Ratio Lower Upper
62 100
98 8.6 5.4 8.2#

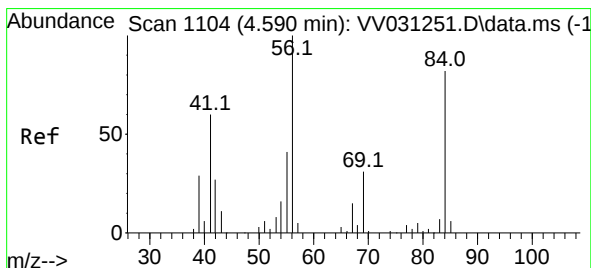
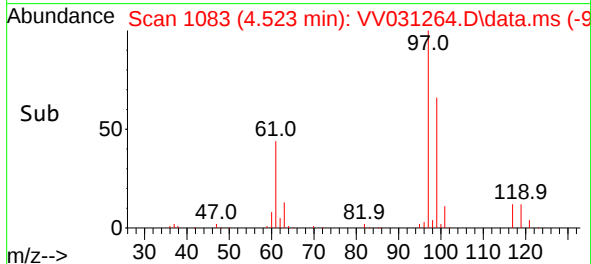
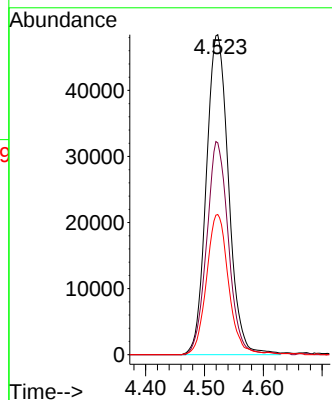
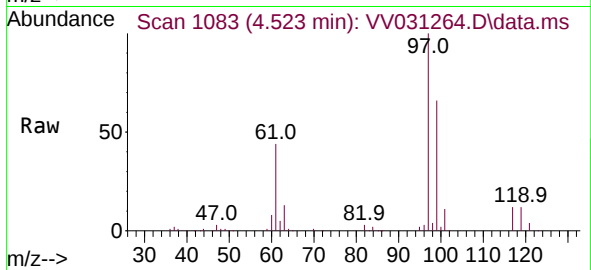




#29
1,1,1-Trichloroethane
Concen: 4.853 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.006 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

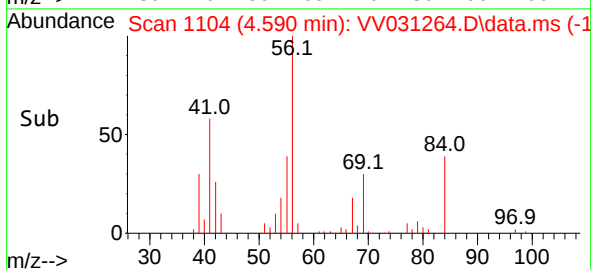
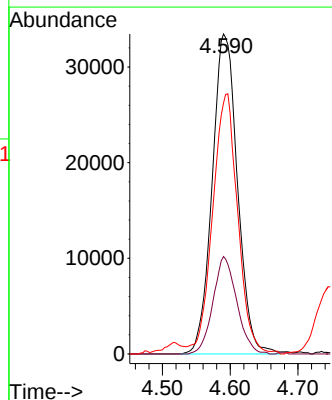
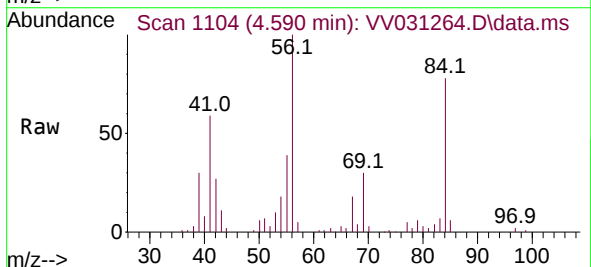
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

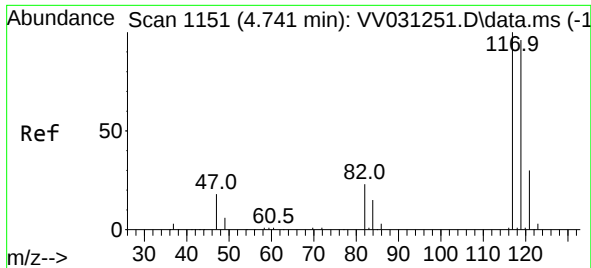
Tgt Ion: 97 Resp: 127337
Ion Ratio Lower Upper
97 100
99 64.8 50.6 75.8
61 43.2 35.5 53.3



#30
Cyclohexane
Concen: 4.321 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 56 Resp: 86793
Ion Ratio Lower Upper
56 100
69 28.6 24.0 36.0
84 78.6 62.5 93.7

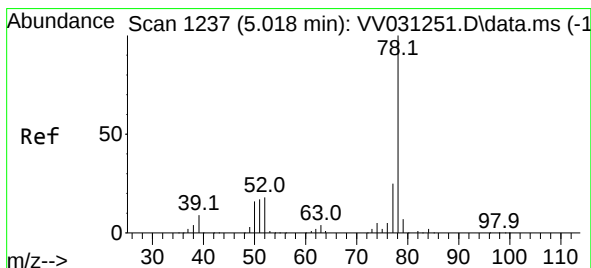
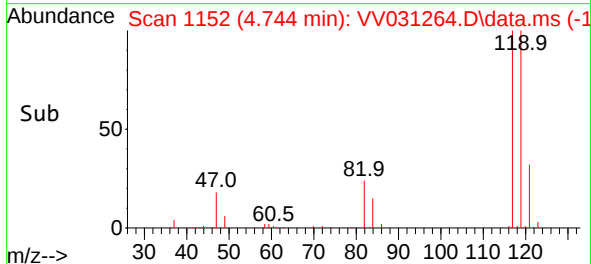
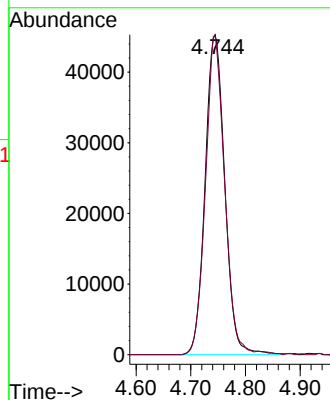
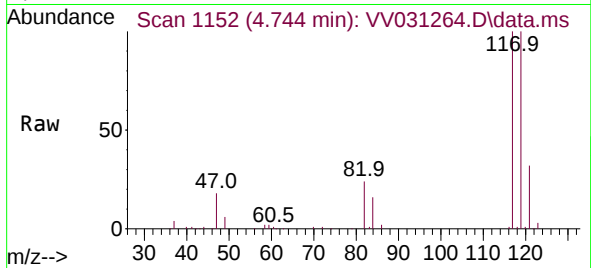




#31
Carbon tetrachloride
Concen: 4.995 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

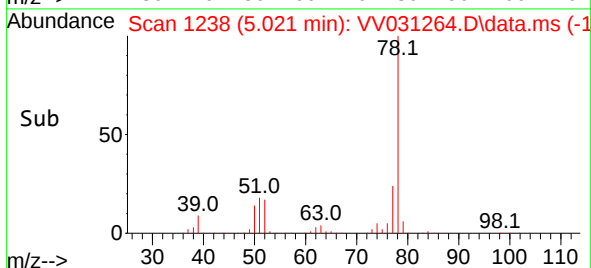
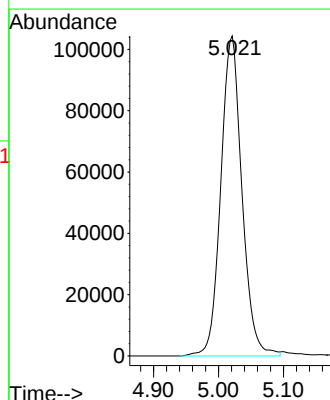
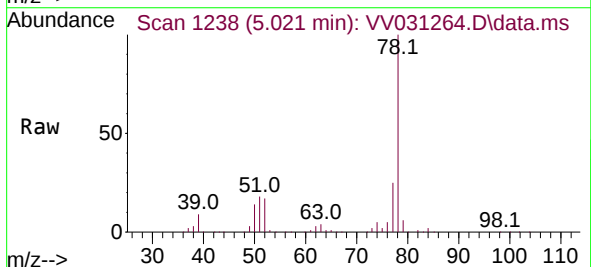
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

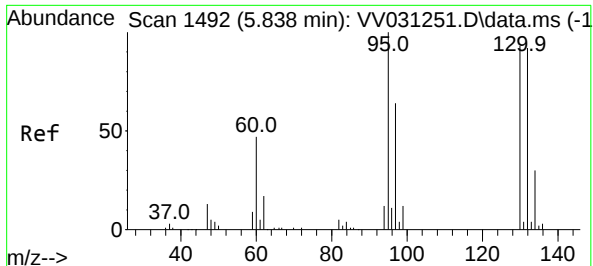
Tgt Ion:117 Resp: 113013
Ion Ratio Lower Upper
117 100
119 96.7 77.5 116.3



#33
Benzene
Concen: 4.489 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 78 Resp: 235542



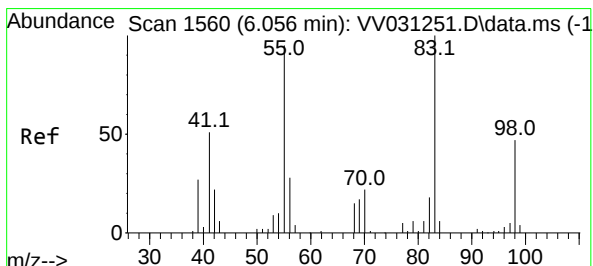
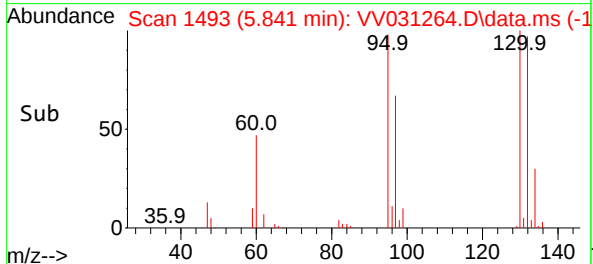
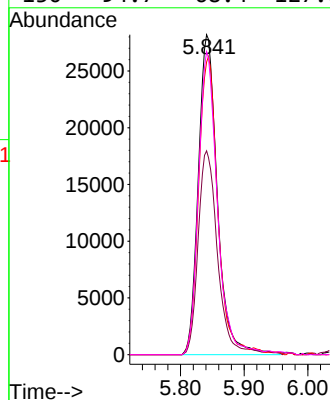
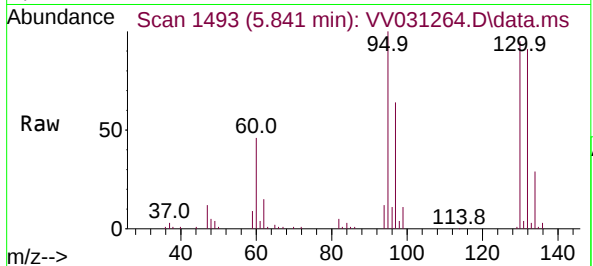


#34
Trichloroethene
Concen: 4.168 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

Tgt Ion: 95 Resp: 58759

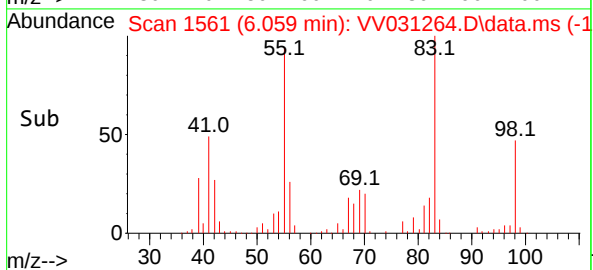
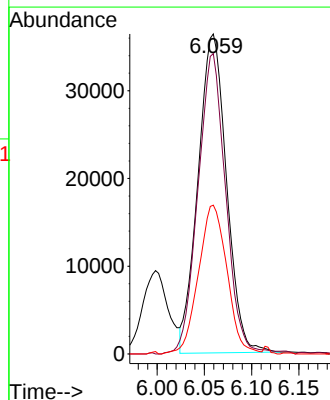
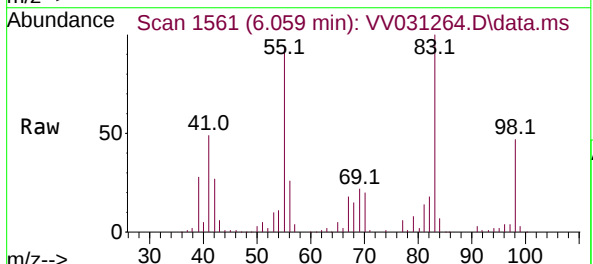
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.8	83.2
132	91.4	64.8	120.4
130	94.7	68.4	127.0

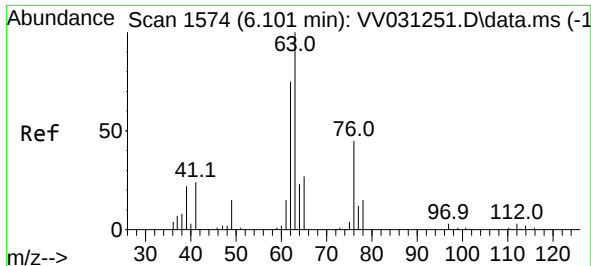


#35
Methylcyclohexane
Concen: 3.904 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 83 Resp: 76068

Ion	Ratio	Lower	Upper
83	100		
55	91.9	74.4	111.6
98	46.8	38.2	57.2





#37

1,2-Dichloropropane

Concen: 4.329 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

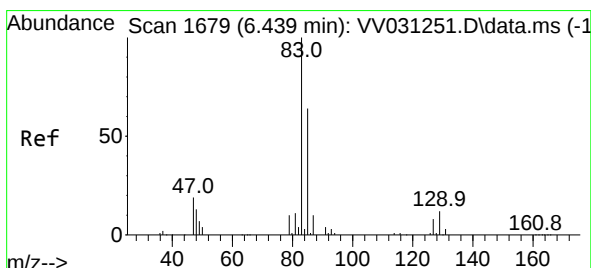
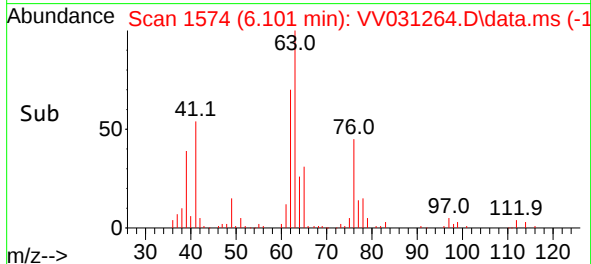
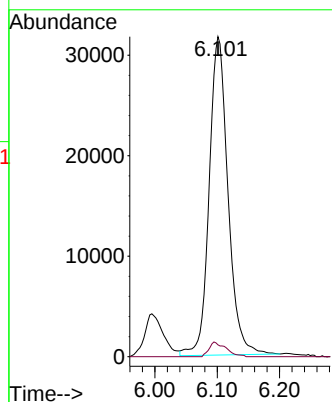
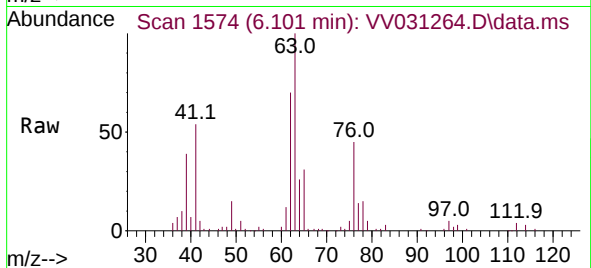
VSTD005360

Tgt Ion: 63 Resp: 66543

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 3.873 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

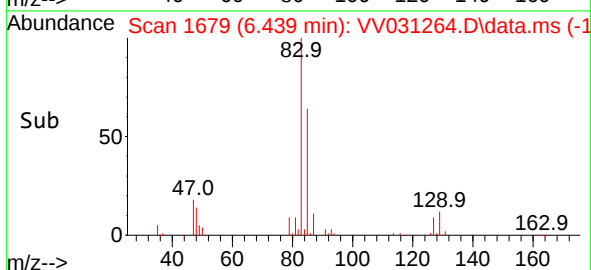
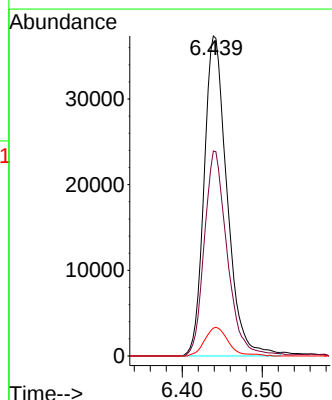
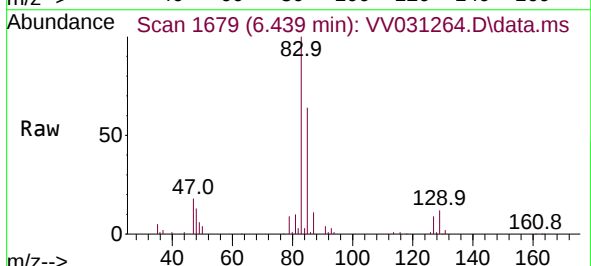
Tgt Ion: 83 Resp: 74622

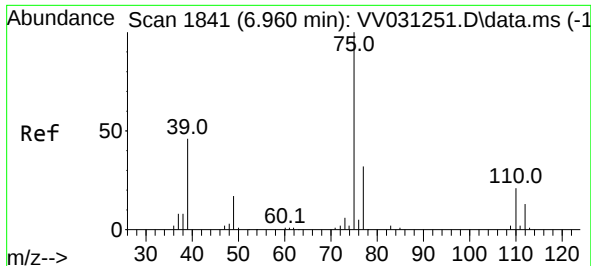
Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9

127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 3.976 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

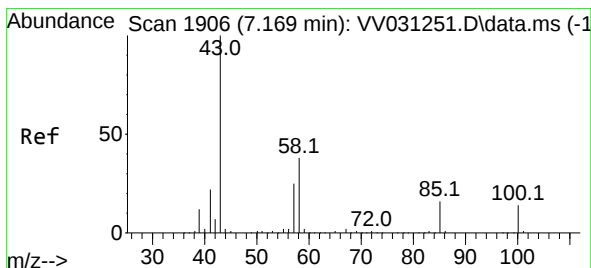
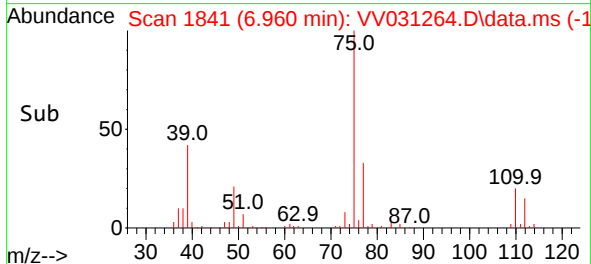
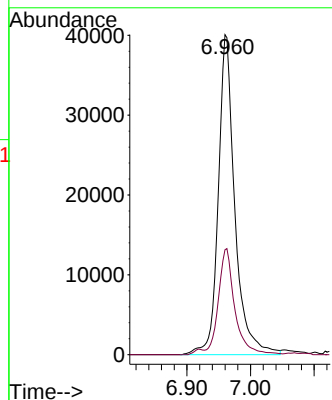
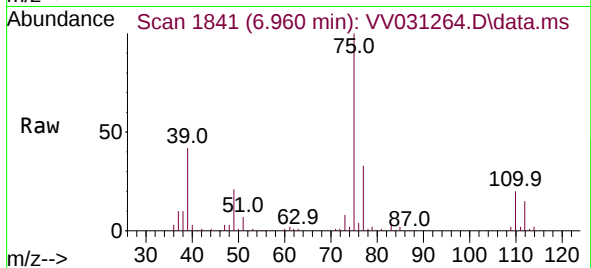
VSTD005360

Tgt Ion: 75 Resp: 72424

Ion Ratio Lower Upper

75 100

77 32.8 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 49.173 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

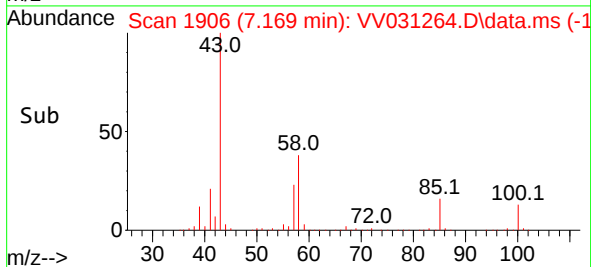
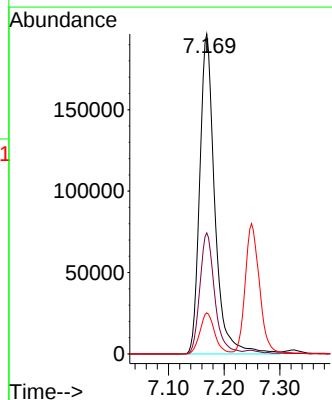
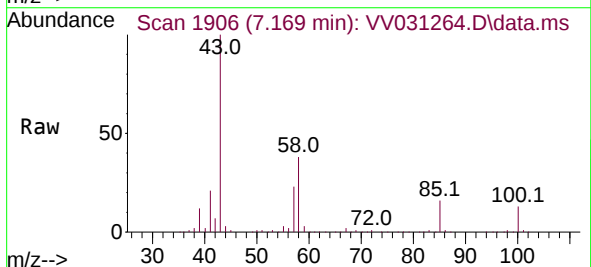
Tgt Ion: 43 Resp: 370230

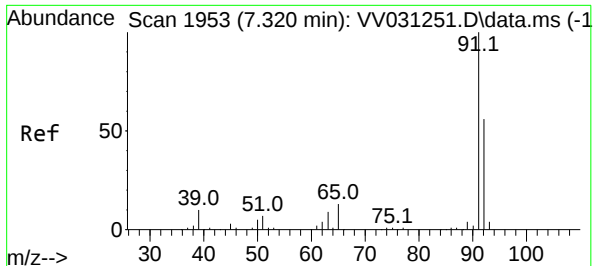
Ion Ratio Lower Upper

43 100

58 37.4 29.1 43.7

100 12.6 9.9 14.9





#42

Toluene

Concen: 5.040 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

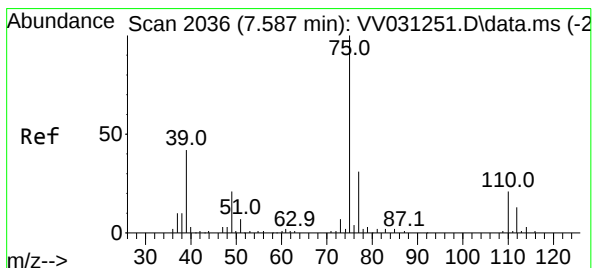
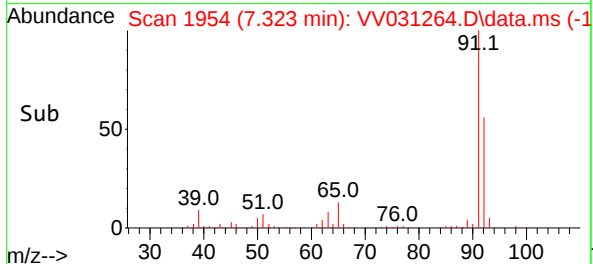
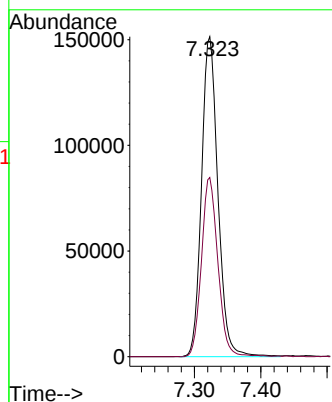
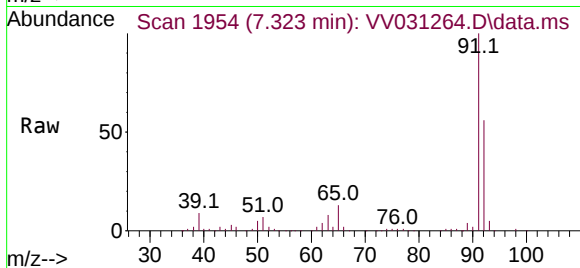
VSTD005360

Tgt Ion: 91 Resp: 259833

Ion Ratio Lower Upper

91 100

92 56.0 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 4.195 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031264.D

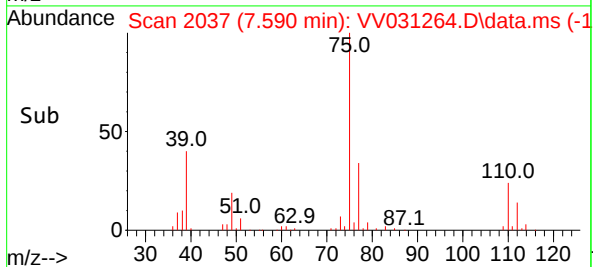
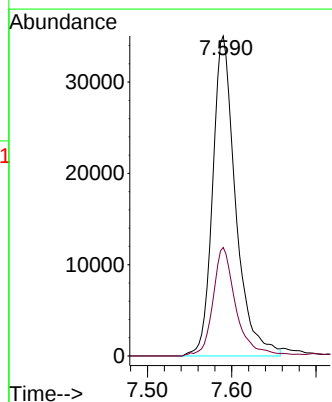
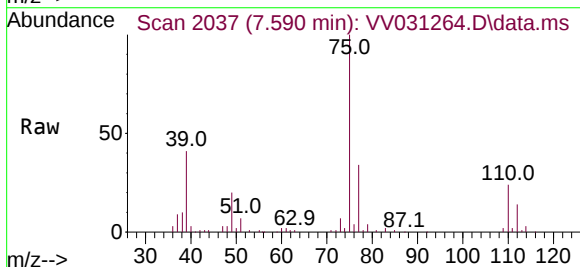
Acq: 26 May 2023 22:38

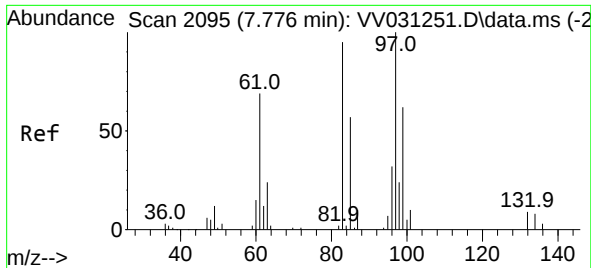
Tgt Ion: 75 Resp: 66293

Ion Ratio Lower Upper

75 100

77 33.9 20.4 38.0

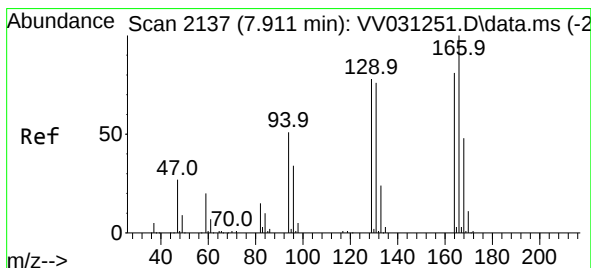
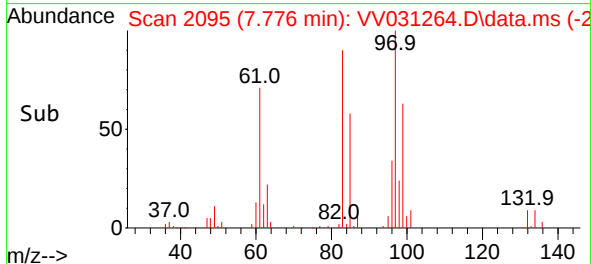
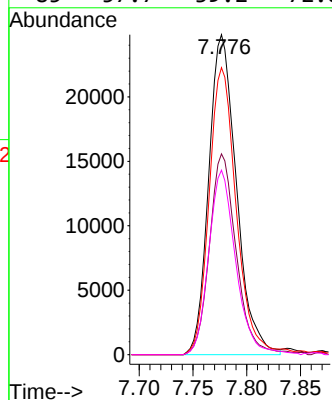
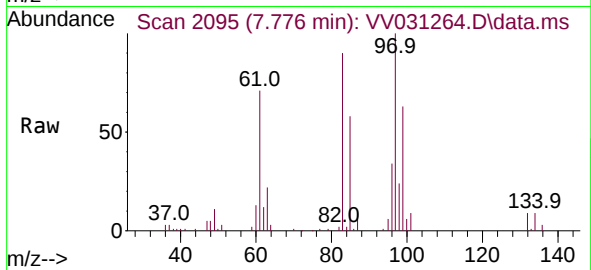




#45
1,1,2-Trichloroethane
Concen: 4.781 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

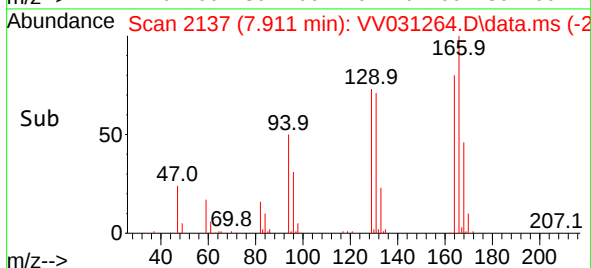
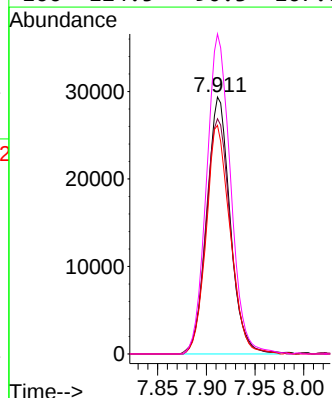
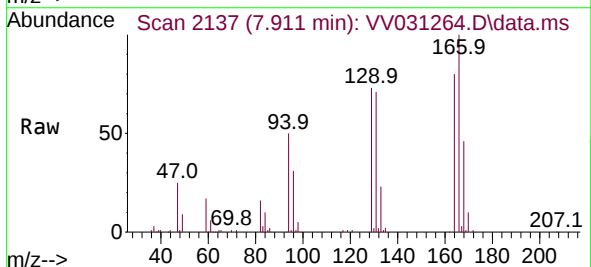
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

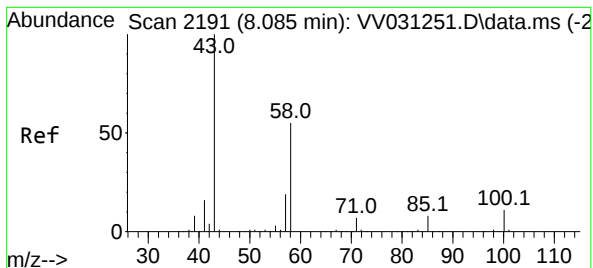
Tgt Ion: 97	Resp: 44441
Ion Ratio	Lower Upper
97 100	
99 62.7	41.2 76.4
83 89.7	58.2 108.0
85 57.7	39.2 72.8



#47
Tetrachloroethene
Concen: 4.798 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt	Ion:164	Resp:	49023
Ion	Ratio	Lower	Upper
164	100		
129	91.5	68.7	127.5
131	88.9	64.7	120.1
166	124.5	90.3	167.7





#48

2-Hexanone

Concen: 46.971 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

Tgt Ion: 43 Resp: 274601

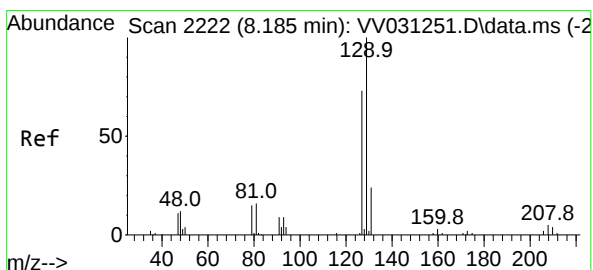
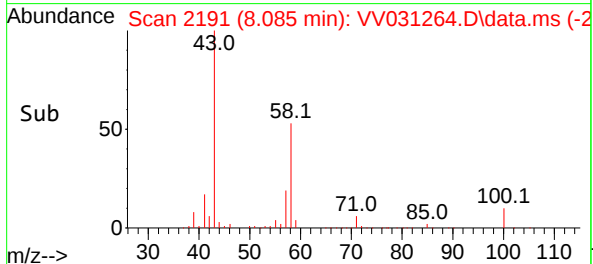
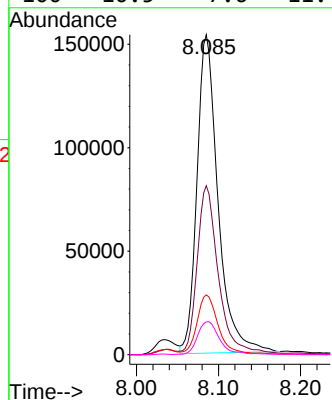
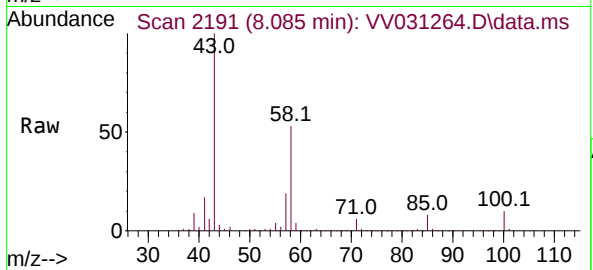
Ion Ratio Lower Upper

43 100

58 52.8 41.4 62.0

57 18.0 14.1 21.1

100 10.5 7.6 11.4



#49

Dibromochloromethane

Concen: 4.849 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV031264.D

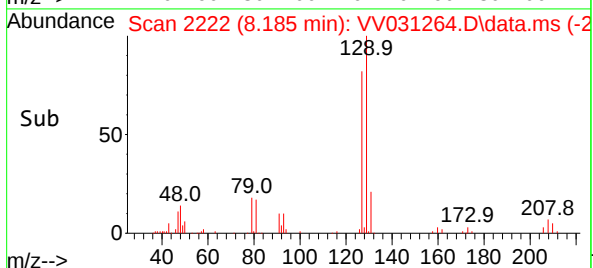
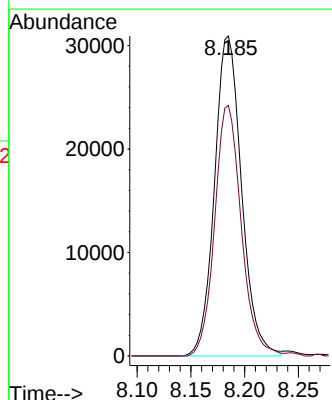
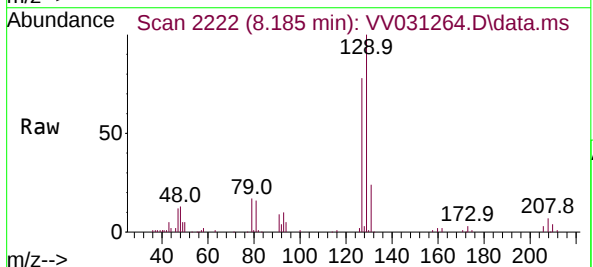
Acq: 26 May 2023 22:38

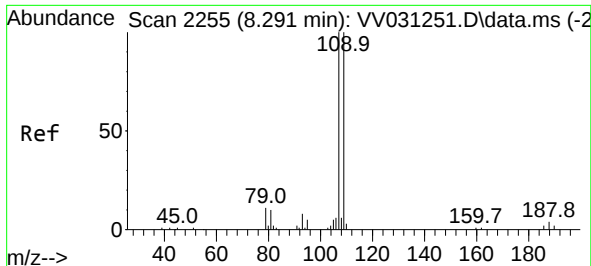
Tgt Ion: 129 Resp: 54155

Ion Ratio Lower Upper

129 100

127 78.3 55.0 102.2





#50

1,2-Dibromoethane

Concen: 4.507 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

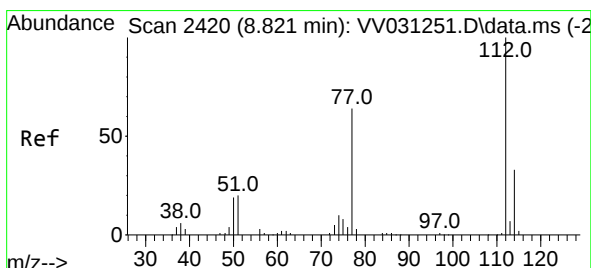
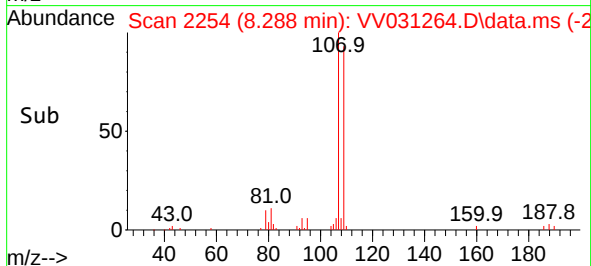
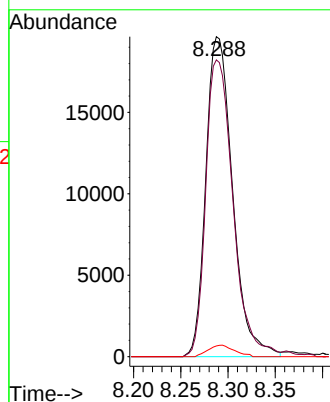
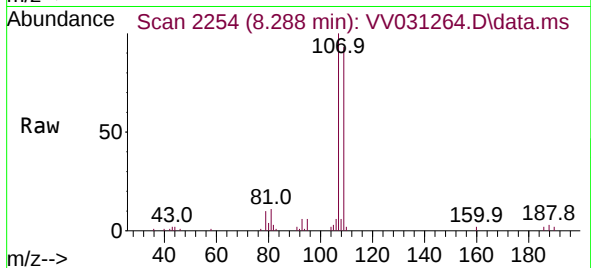
Tgt Ion:107 Resp: 38684

Ion Ratio Lower Upper

107 100

109 92.8 62.8 116.6

188 3.4 3.2 4.8



#51

Chlorobenzene

Concen: 5.037 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

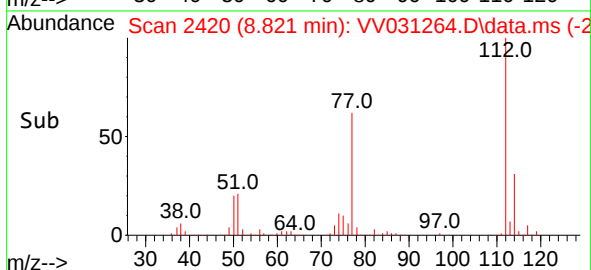
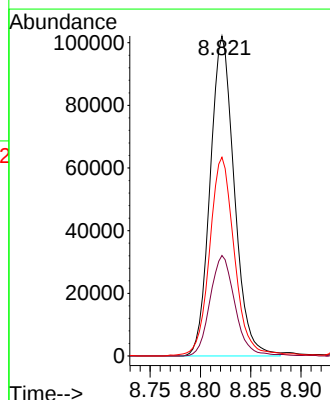
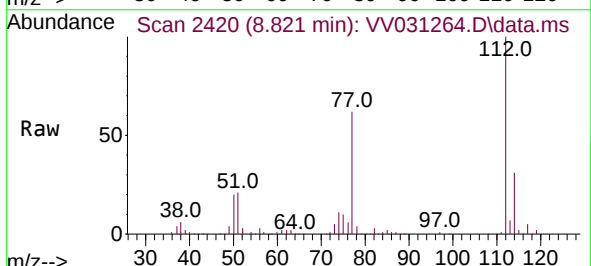
Tgt Ion:112 Resp: 170801

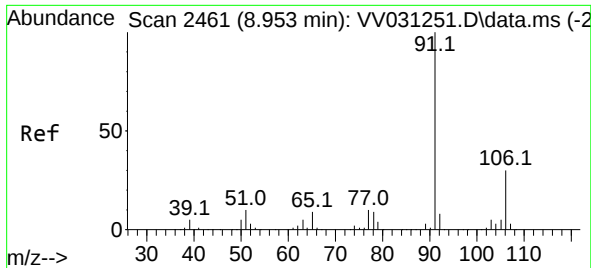
Ion Ratio Lower Upper

112 100

114 31.4 22.8 42.4

77 62.1 51.7 77.5

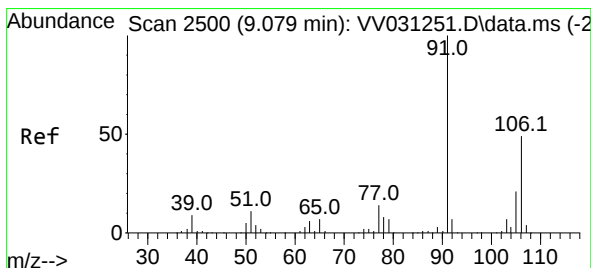
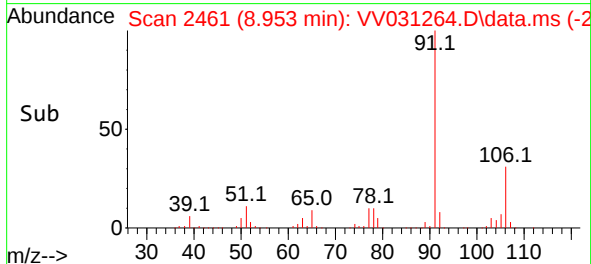
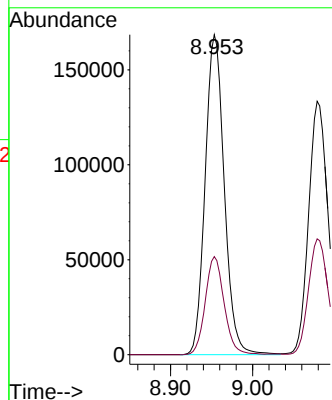
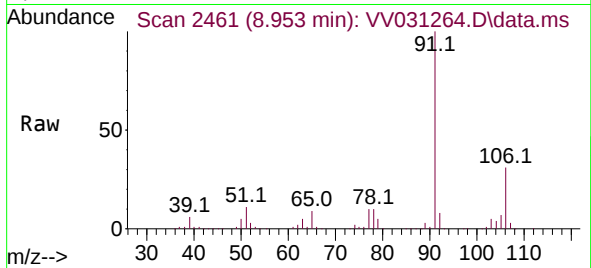




#52
Ethylbenzene
Concen: 4.799 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

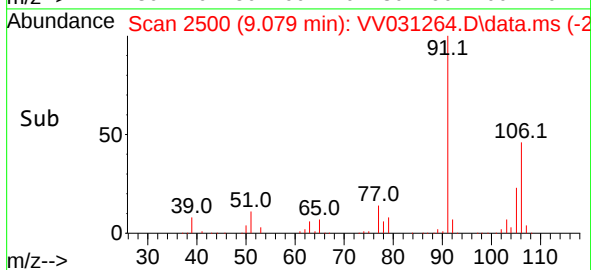
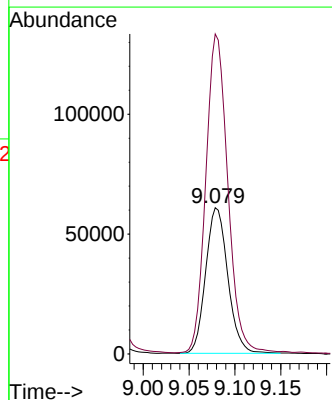
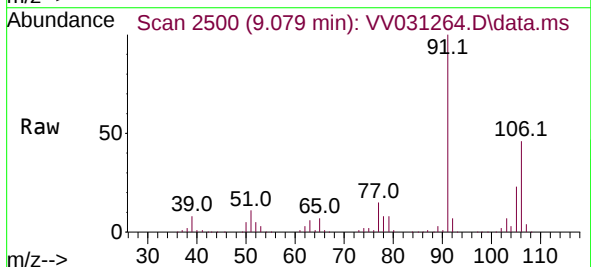
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

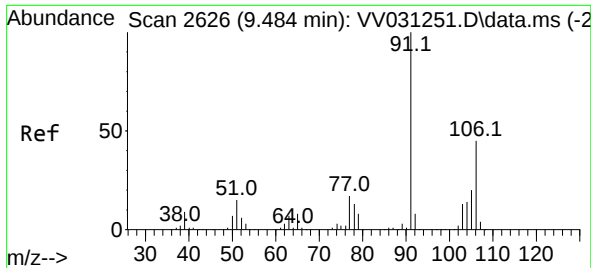
Tgt Ion: 91 Resp: 272788
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.1



#53
m,p-Xylene
Concen: 4.861 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 106 Resp: 102113
Ion Ratio Lower Upper
106 100
91 218.9 154.7 287.3

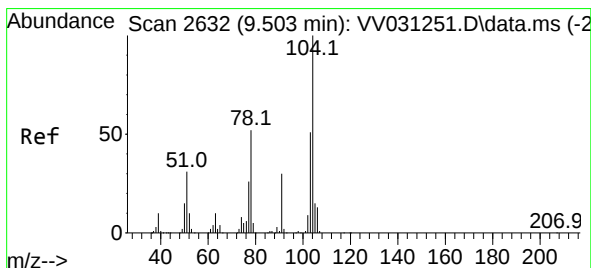
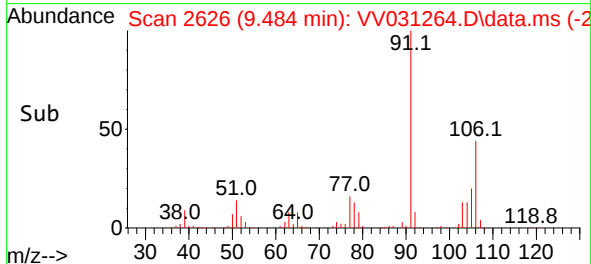
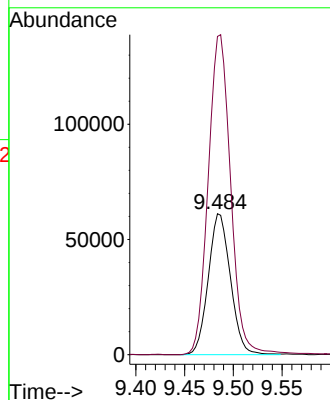
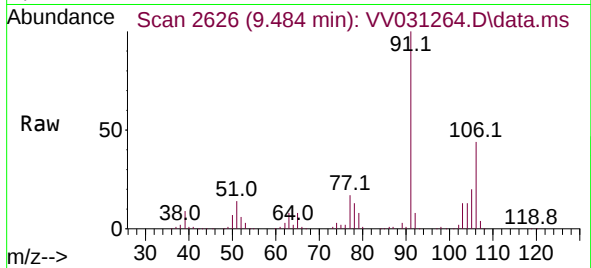




#54
o-Xylene
Concen: 4.844 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

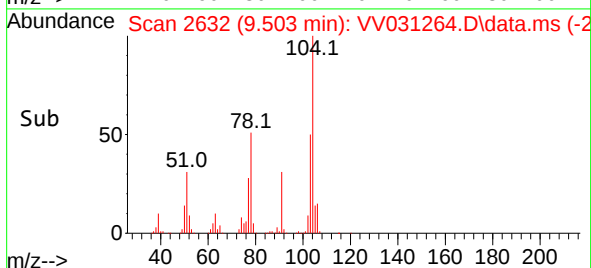
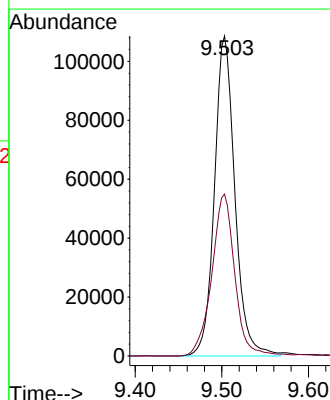
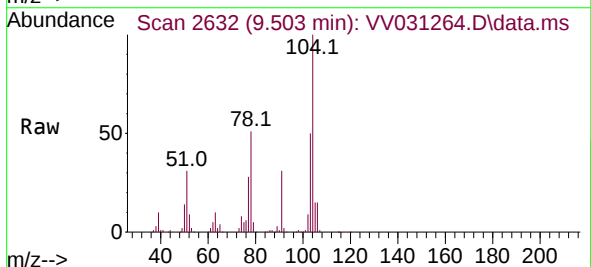
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

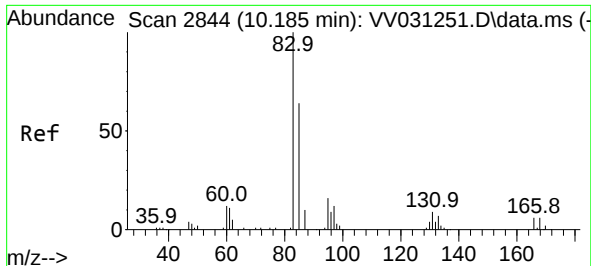
Tgt Ion:106 Resp: 96863
Ion Ratio Lower Upper
106 100
91 225.7 161.3 299.7



#55
Styrene
Concen: 5.055 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion:104 Resp: 178243
Ion Ratio Lower Upper
104 100
78 50.6 35.6 66.0

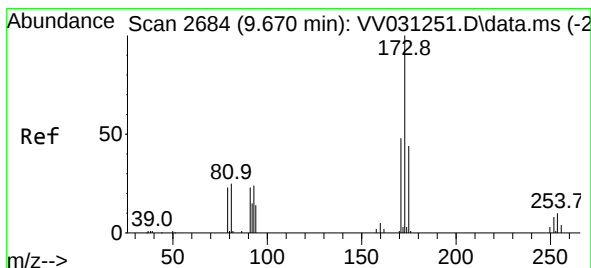
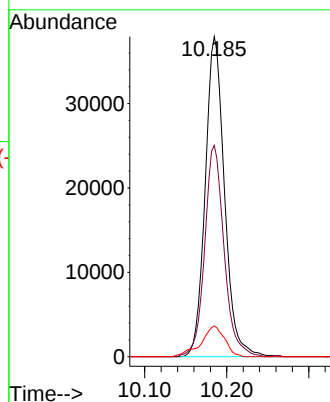
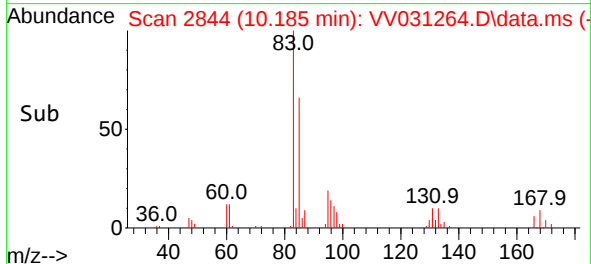
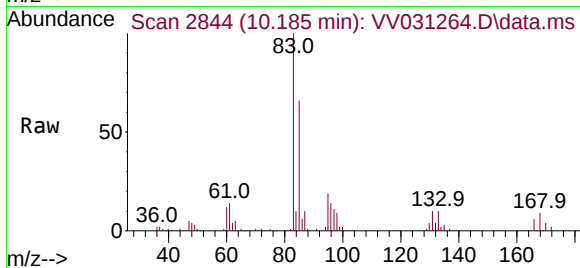




#57
1,1,2,2-Tetrachloroethane
Concen: 5.294 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

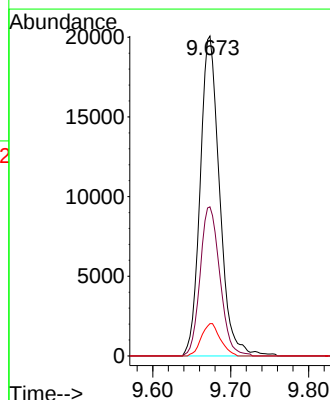
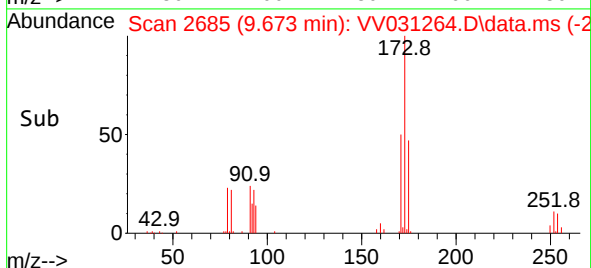
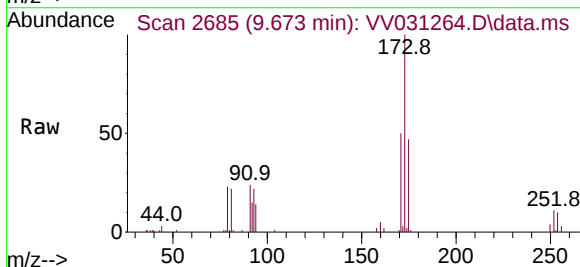
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

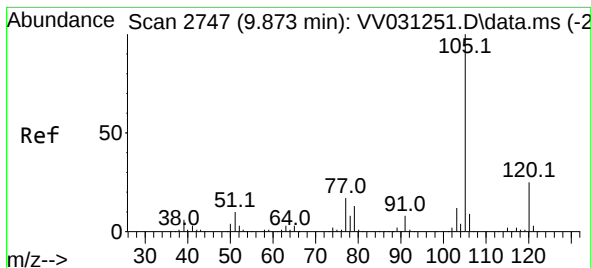
Tgt Ion: 83 Resp: 62116
Ion Ratio Lower Upper
83 100
85 66.0 43.0 80.0
131 9.6 7.6 11.4



#59
Bromoform
Concen: 5.489 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion: 173 Resp: 34754
Ion Ratio Lower Upper
173 100
175 47.3 39.0 58.4
254 9.9 7.9 11.9





#60

Isopropylbenzene

Concen: 4.813 ug/L

RT: 9.873 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

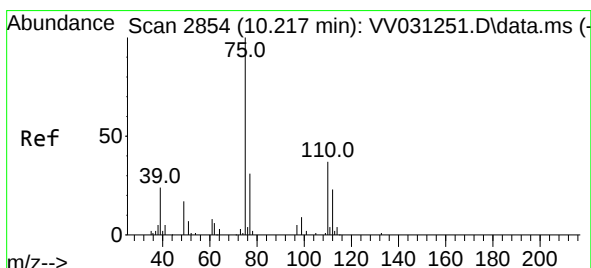
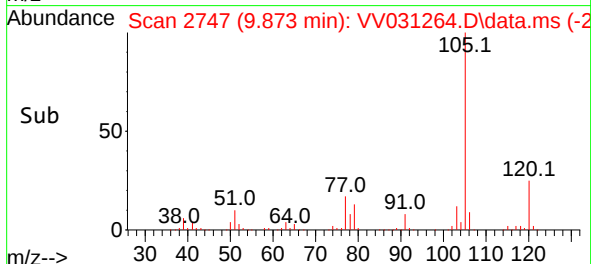
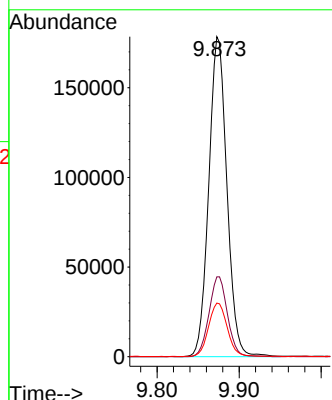
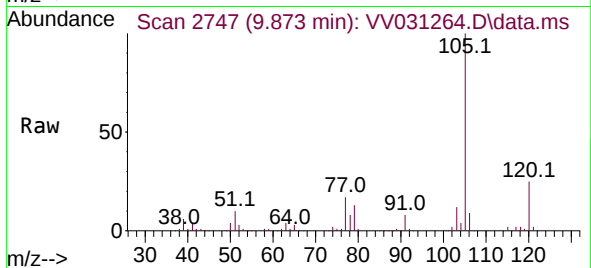
Tgt Ion:105 Resp: 274450

Ion Ratio Lower Upper

105 100

120 25.4 19.9 29.9

77 17.2 13.9 20.9



#61

1,2,3-Trichloropropane

Concen: 5.354 ug/L

RT: 10.217 min Scan# 2854

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

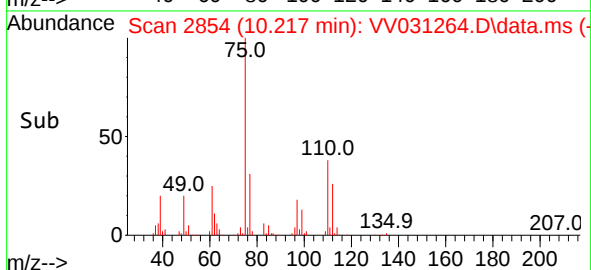
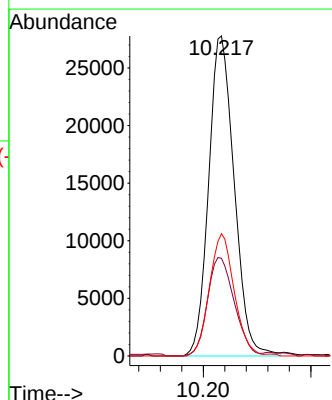
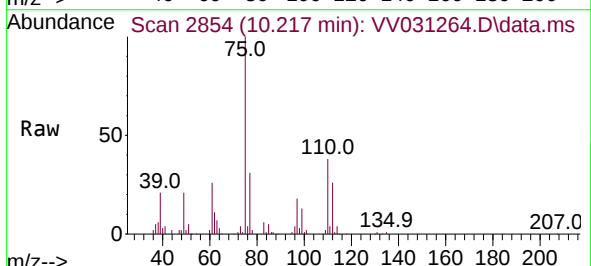
Tgt Ion: 75 Resp: 45765

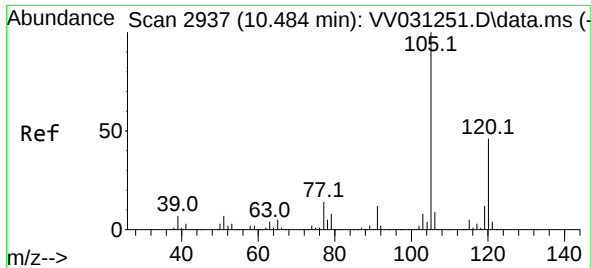
Ion Ratio Lower Upper

75 100

77 32.3 26.6 40.0

110 37.2 29.8 44.8

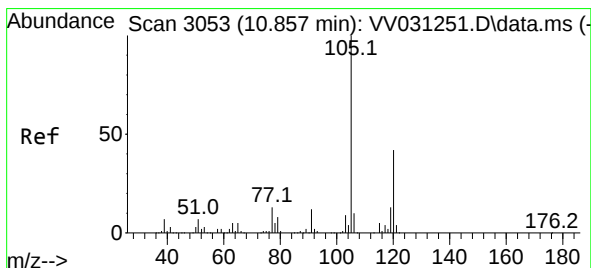
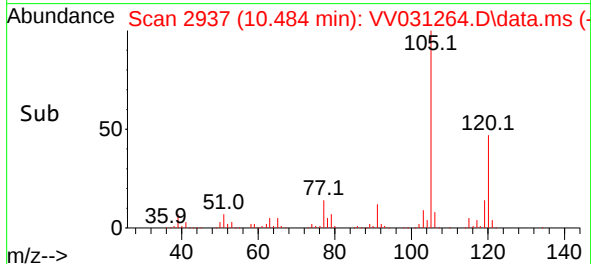
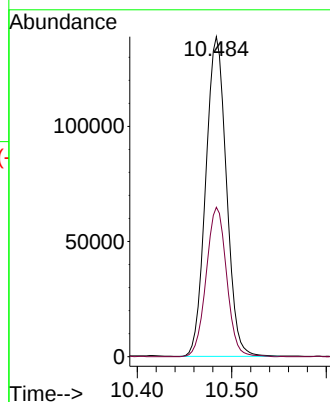
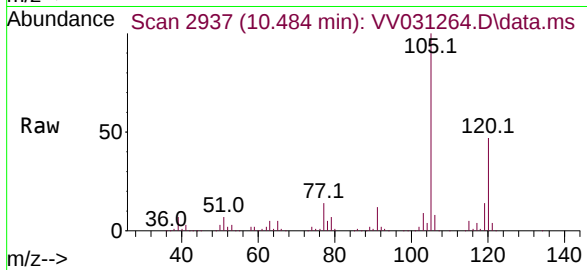




#62
 1,3,5-Trimethylbenzene
 Concen: 4.554 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

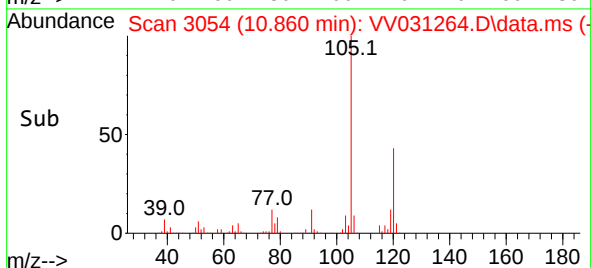
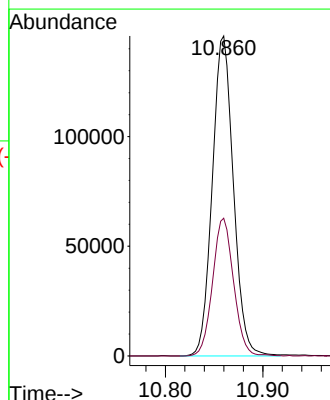
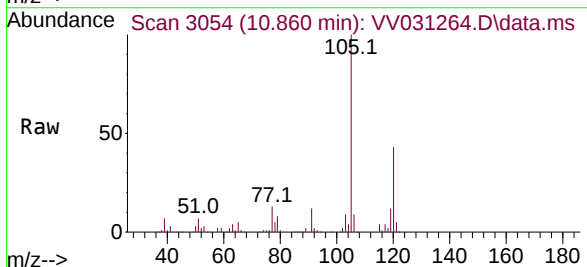
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

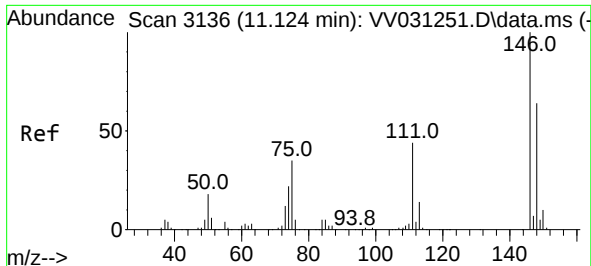
Tgt Ion:105 Resp: 210531
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.6 55.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.640 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031264.D
 Acq: 26 May 2023 22:38

Tgt Ion:105 Resp: 219638
 Ion Ratio Lower Upper
 105 100
 120 42.8 34.4 51.6

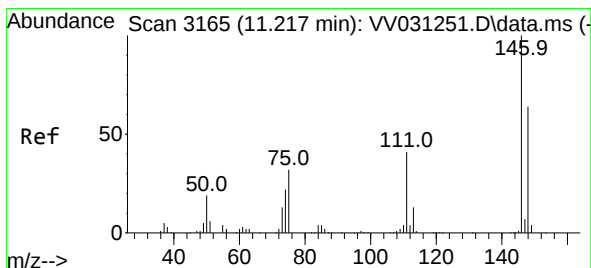
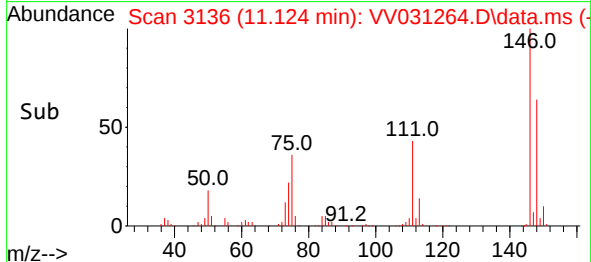
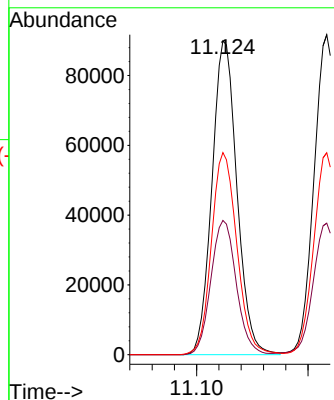
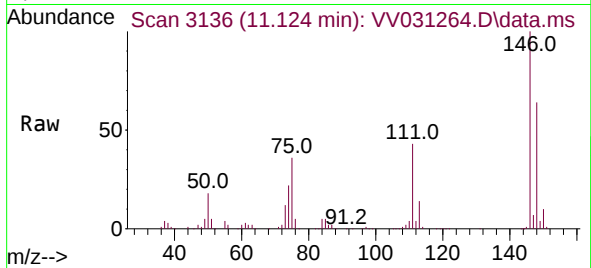




#64
1,3-Dichlorobenzene
Concen: 5.191 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

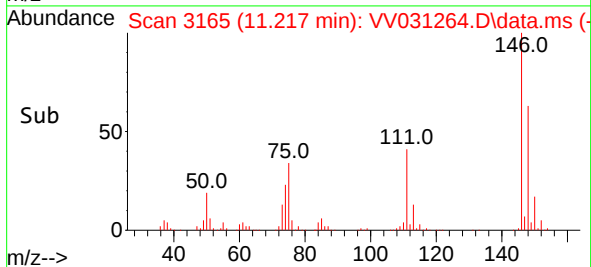
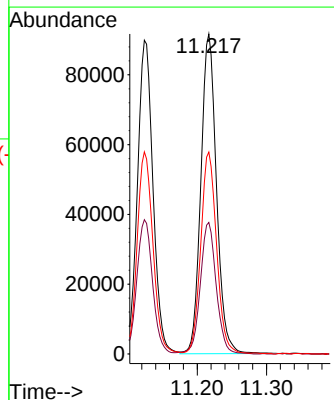
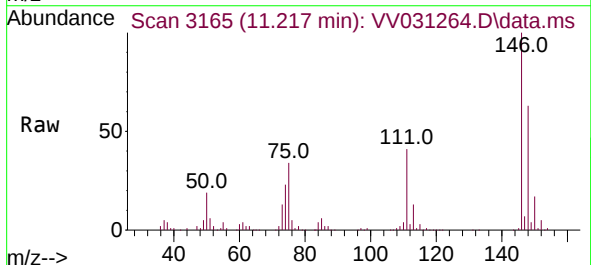
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

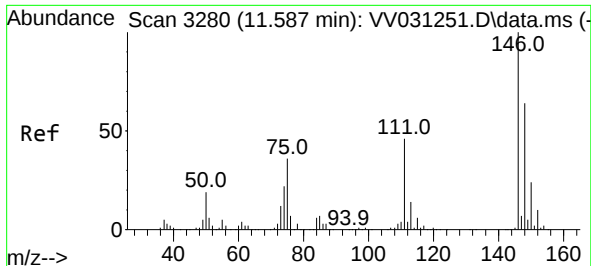
Tgt Ion:146 Resp: 140138
Ion Ratio Lower Upper
146 100
111 42.8 29.5 54.9
148 64.4 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.204 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031264.D
Acq: 26 May 2023 22:38

Tgt Ion:146 Resp: 143737
Ion Ratio Lower Upper
146 100
111 41.1 30.4 56.5
148 63.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.166 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

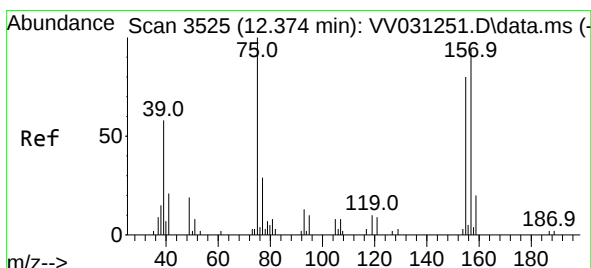
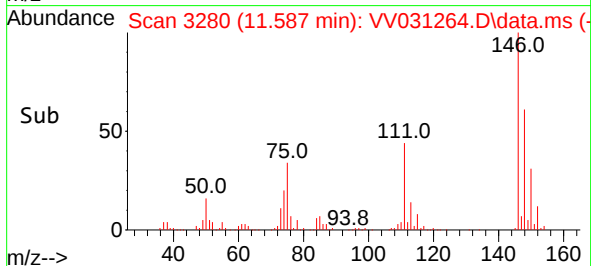
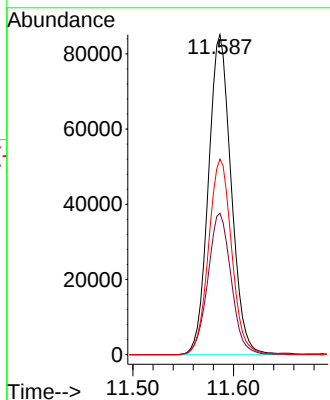
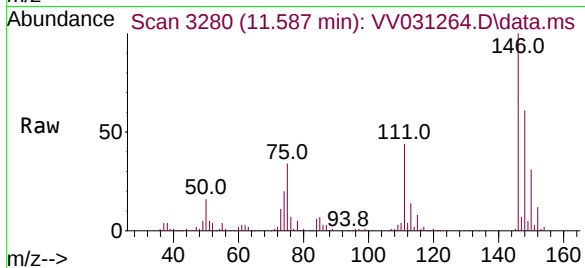
Tgt Ion:146 Resp: 133657

Ion Ratio Lower Upper

146 100

111 44.2 34.3 51.5

148 61.1 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.635 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

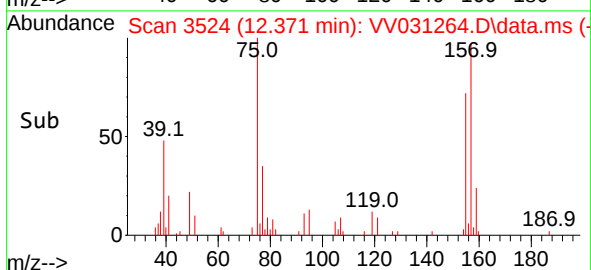
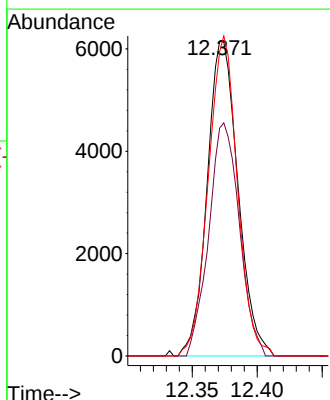
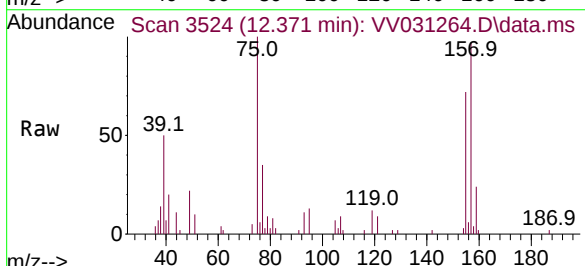
Tgt Ion: 75 Resp: 10150

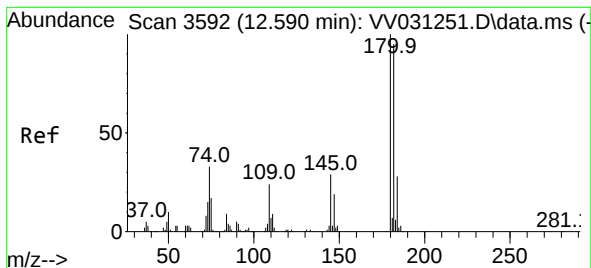
Ion Ratio Lower Upper

75 100

155 72.5 64.6 96.8

157 96.8 84.1 126.1





#69

1,3,5-Trichlorobenzene

Concen: 4.494 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

Tgt Ion:180 Resp: 98518

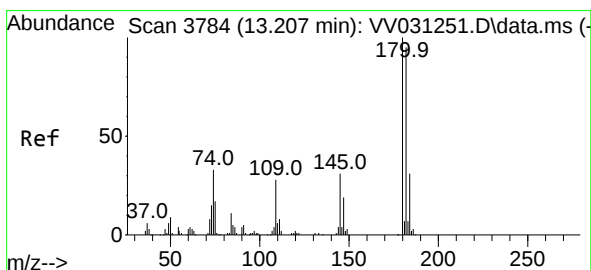
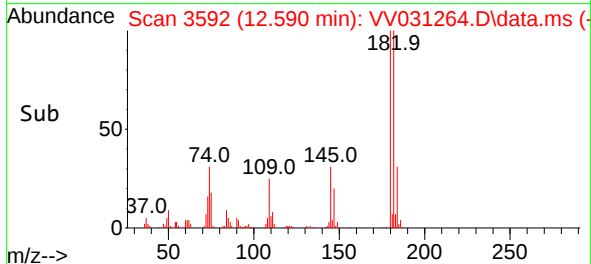
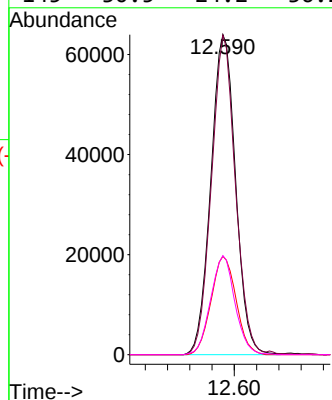
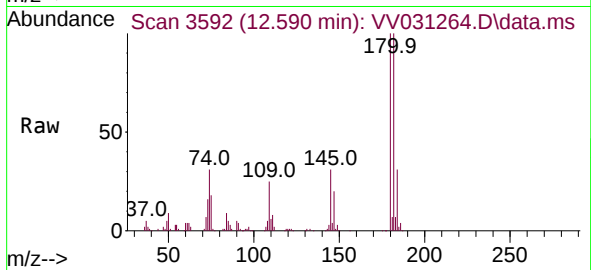
Ion Ratio Lower Upper

180 100

182 96.9 76.6 114.8

184 31.1 24.9 37.3

145 30.5 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 4.163 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.003 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

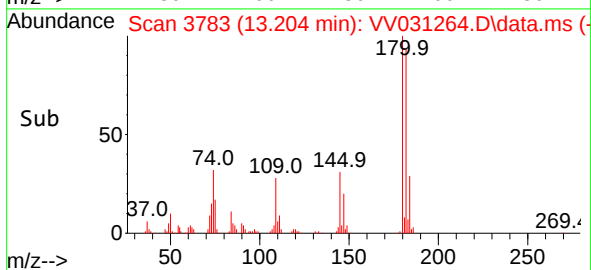
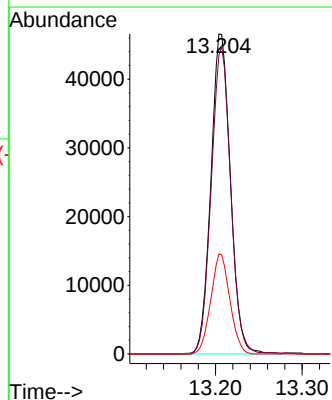
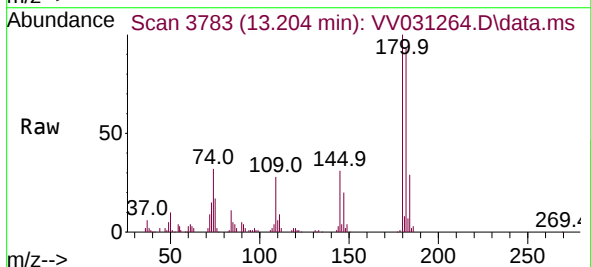
Tgt Ion:180 Resp: 72944

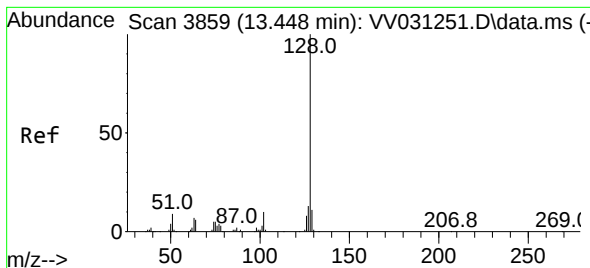
Ion Ratio Lower Upper

180 100

182 95.7 74.8 112.2

145 30.4 24.1 36.1





#71

Naphthalene

Concen: 3.433 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

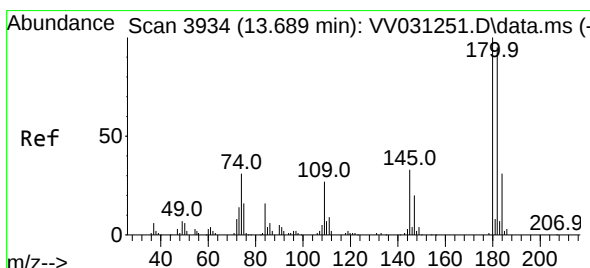
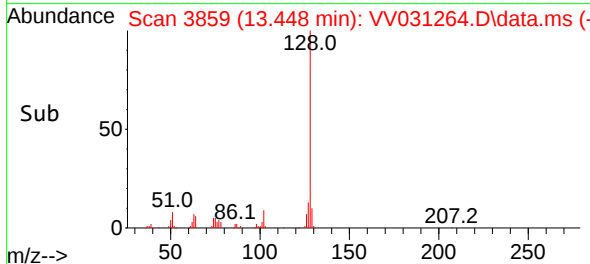
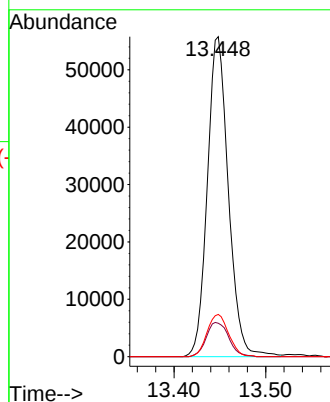
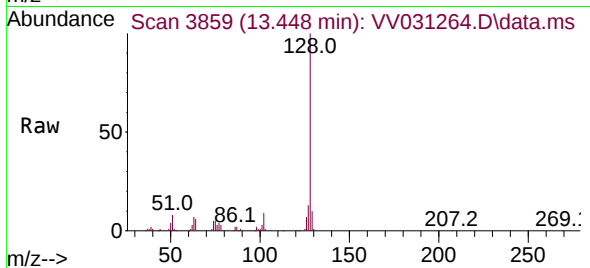
Tgt Ion:128 Resp: 89031

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

127 13.5 11.5 17.3



#72

1,2,3-Trichlorobenzene

Concen: 4.356 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV031264.D

Acq: 26 May 2023 22:38

Tgt Ion:180 Resp: 65651

Ion Ratio Lower Upper

180 100

182 95.1 77.6 116.4

145 33.0 26.9 40.3

