

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041223\
 Data File : VW030531.D
 Acq On : 12 Apr 2023 20:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

Quant Time: Apr 13 02:53:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 13 02:44:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	108644	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	106496	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63442	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	29358	4.080	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.536	69	26361	3.775	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.066	63	77848	4.559	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	3.835	46	82642	44.435	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.880%
24) Chloroform-d	4.262	84	78732	4.521	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	4.957	65	38575	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	4.973	84	134044	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	5.998	67	40233	4.282	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.252	98	133502	4.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	7.564	79	15682	4.433	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.037	63	67232	47.299	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.600%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	34325	4.635	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	50924	4.491	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	58401	4.228	ug/L	99
3) Chloromethane	1.214	50	73519	4.218	ug/L	100
5) Vinyl chloride	1.285	62	56933	4.481	ug/L	99
6) Bromomethane	1.491	94	17503	4.830	ug/L	99
8) Chloroethane	1.552	64	32922	4.523	ug/L	100
9) Trichlorofluoromethane	1.716	101	94279	5.090	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	48647	4.759	ug/L	99
12) 1,1-Dichloroethene	2.073	96	44774	4.932	ug/L	94
13) Acetone	2.159	43	76748	43.154	ug/L	83
14) Carbon disulfide	2.243	76	128969	4.313	ug/L	98
15) Methyl Acetate	2.394	43	19073	6.001	ug/L	# 88
16) Methylene chloride	2.452	84	49277	4.589	ug/L	97
17) Methyl tert-butyl Ether	2.716	73	98537	5.125	ug/L	98
18) trans-1,2-Dichloroethene	2.700	96	44574	4.661	ug/L	94
19) 1,1-Dichloroethane	3.121	63	86601	4.671	ug/L	97
21) 2-Butanone	3.909	43	115963	51.805	ug/L	96
22) cis-1,2-Dichloroethene	3.825	96	49915	5.201	ug/L	95
23) Bromochloromethane	4.159	128	22349	4.986	ug/L	96
25) Chloroform	4.291	83	92388	4.931	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041223\
 Data File : VW030531.D
 Acq On : 12 Apr 2023 20:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

Quant Time: Apr 13 02:53:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 13 02:44:31 2023
 Response via : Initial Calibration

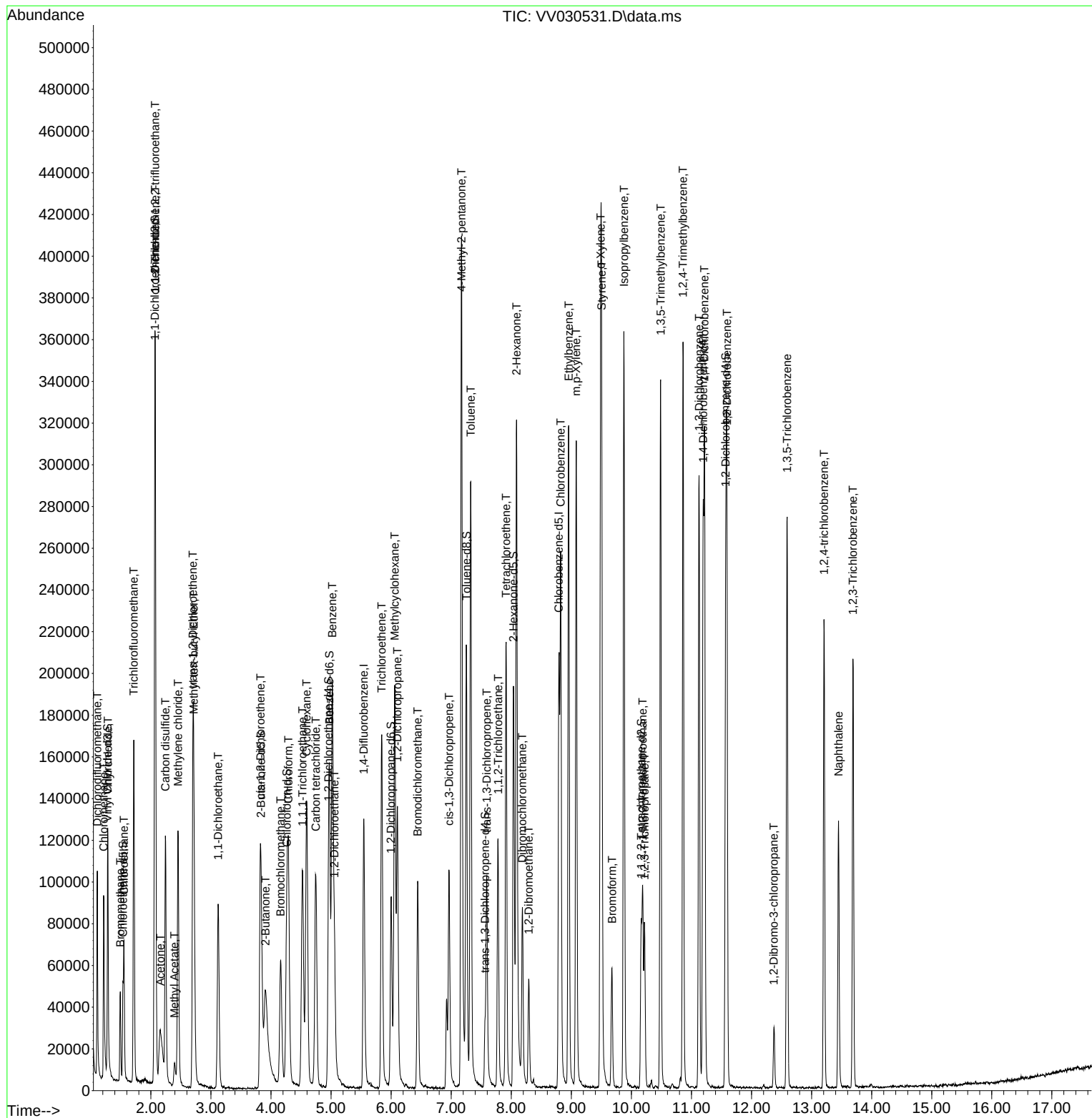
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	61628	5.440	ug/L	95
29) 1,1,1-Trichloroethane	4.526	97	86345	5.044	ug/L	100
30) Cyclohexane	4.593	56	68327	4.382	ug/L	99
31) Carbon tetrachloride	4.748	117	75825	4.882	ug/L	99
33) Benzene	5.021	78	184951	4.889	ug/L	100
34) Trichloroethene	5.841	95	59700	5.852	ug/L	97
35) Methylcyclohexane	6.060	83	69894	4.365	ug/L	99
37) 1,2-Dichloropropane	6.105	63	47423	4.884	ug/L	100
38) Bromodichloromethane	6.442	83	65852	5.178	ug/L	96
39) cis-1,3-Dichloropropene	6.963	75	62245	4.558	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	291380	56.943	ug/L	98
42) Toluene	7.326	91	204496	5.076	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	55376	4.766	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	35356	5.171	ug/L	98
47) Tetrachloroethene	7.915	164	48075	5.340	ug/L	96
48) 2-Hexanone	8.088	43	215386	56.203	ug/L	99
49) Dibromochloromethane	8.185	129	41746	5.129	ug/L	97
50) 1,2-Dibromoethane	8.291	107	32017	5.147	ug/L	93
51) Chlorobenzene	8.822	112	126653	4.910	ug/L	97
52) Ethylbenzene	8.957	91	212820	4.828	ug/L	99
53) m,p-Xylene	9.082	106	83195	4.931	ug/L	98
54) o-Xylene	9.487	106	80580	4.991	ug/L	99
55) Styrene	9.506	104	144653	5.275	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	42430	5.228	ug/L	99
59) Bromoform	9.677	173	25735	5.019	ug/L	99
60) Isopropylbenzene	9.876	105	217999	4.659	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	29898	5.271	ug/L	99
62) 1,3,5-Trimethylbenzene	10.487	105	174487	4.570	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	183147	4.707	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	114557	4.910	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	115862	4.929	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	103445	4.920	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	7067	5.009	ug/L	95
69) 1,3,5-Trichlorobenzene	12.593	180	84476	4.703	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	66408	4.788	ug/L	98
71) Naphthalene	13.448	128	99160	5.006	ug/L	99
72) 1,2,3-Trichlorobenzene	13.690	180	59538	4.955	ug/L	100

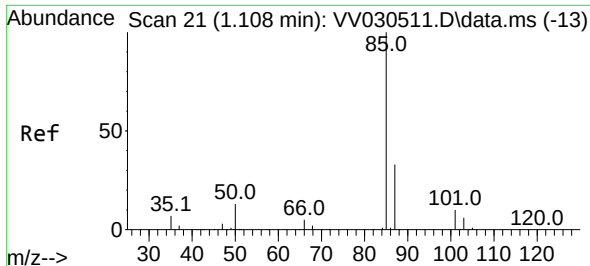
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041223\
Data File : VV030531.D
Acq On : 12 Apr 2023 20:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

Quant Time: Apr 13 02:53:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Apr 13 02:44:31 2023
Response via : Initial Calibration

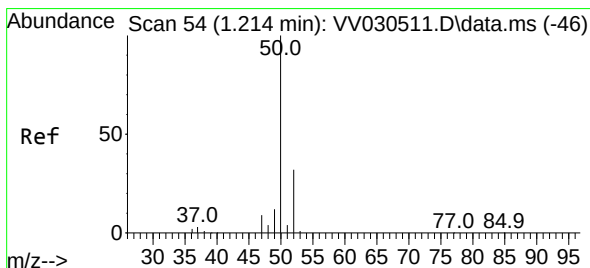
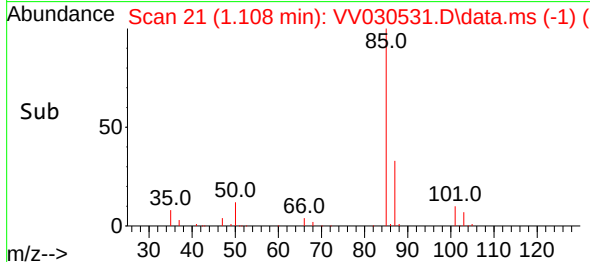
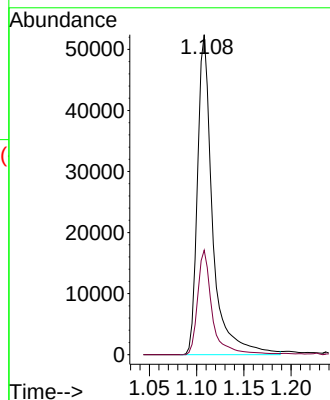
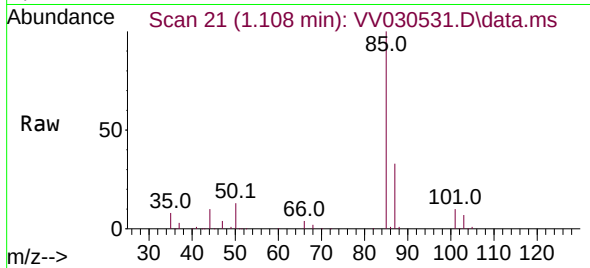




#2
 Dichlorodifluoromethane
 Concen: 4.228 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

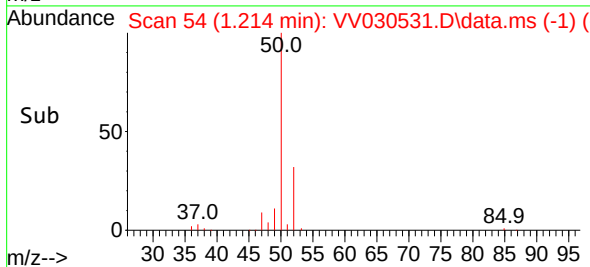
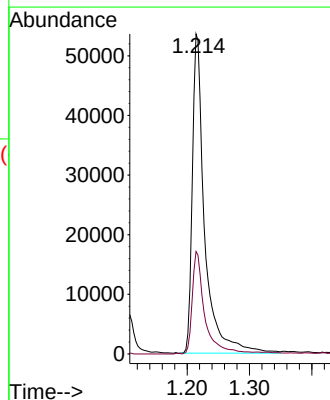
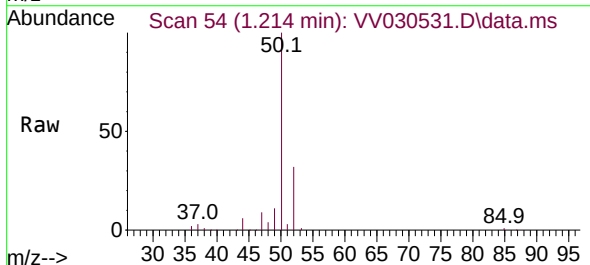
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

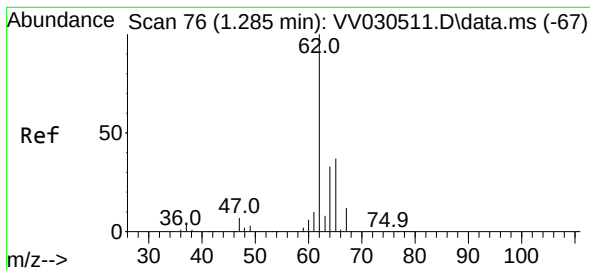
Tgt Ion: 85 Resp: 58401
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.6 38.4



#3
 Chloromethane
 Concen: 4.218 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

Tgt Ion: 50 Resp: 73519
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.3 41.5





#5

Vinyl chloride

Concen: 4.481 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

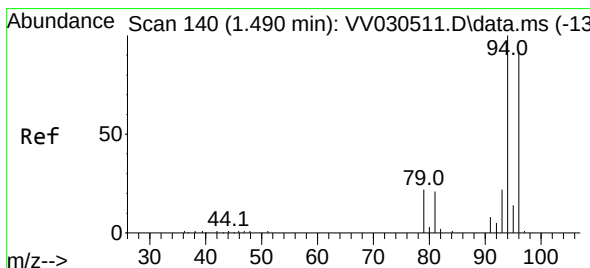
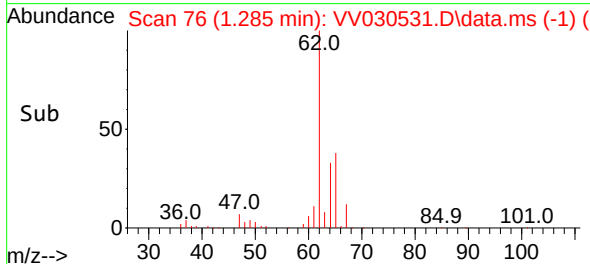
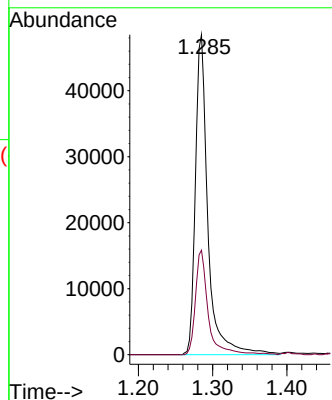
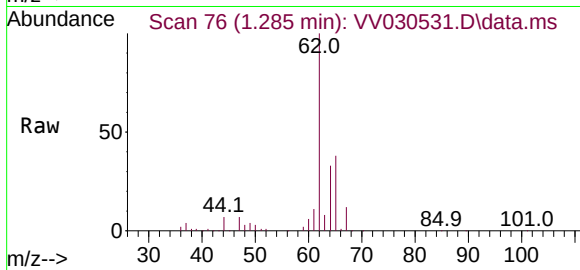
VSTD005331

Tgt Ion: 62 Resp: 56933

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.2



#6

Bromomethane

Concen: 4.830 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV030531.D

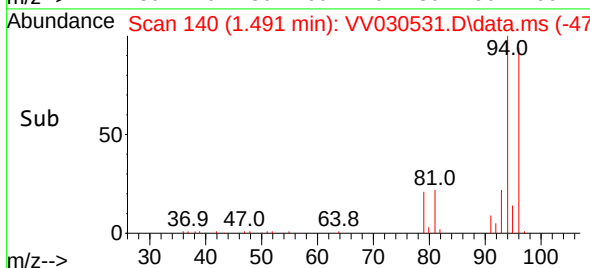
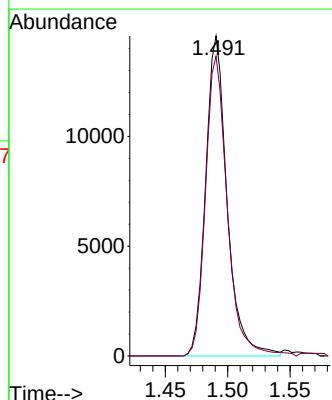
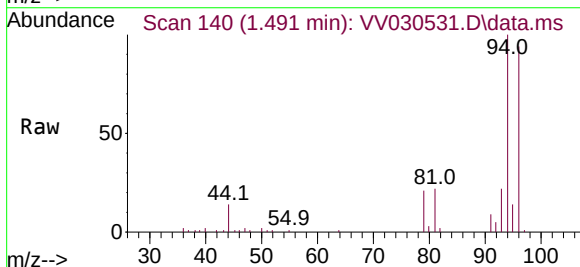
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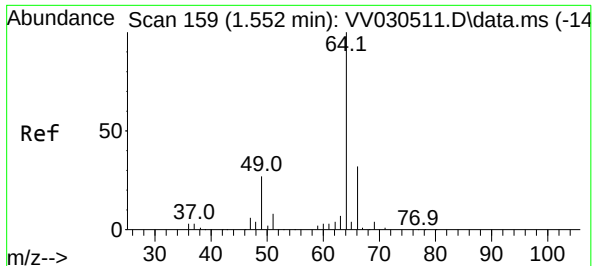
Tgt Ion: 94 Resp: 17503

Ion Ratio Lower Upper

94 100

96 93.6 66.1 122.7

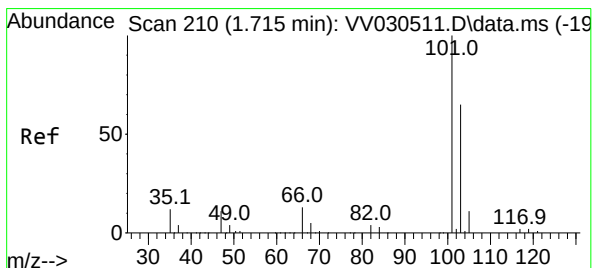
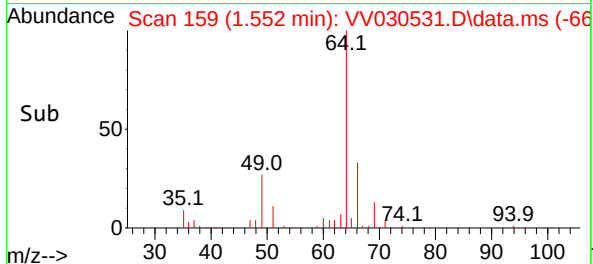
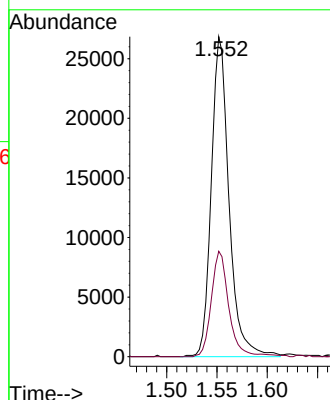
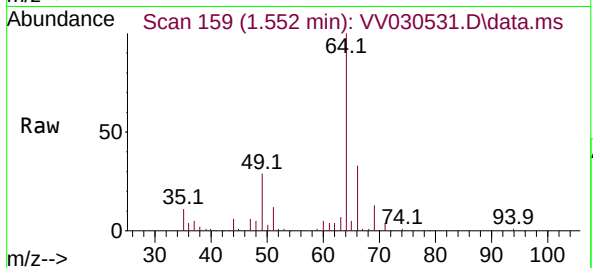




#8
Chloroethane
Concen: 4.523 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

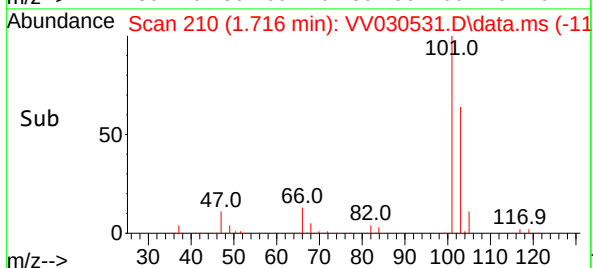
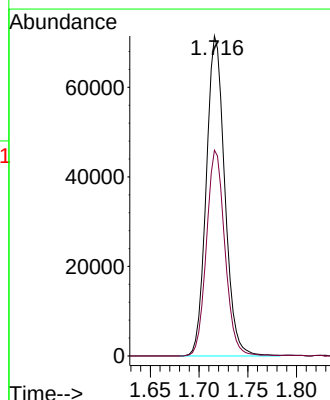
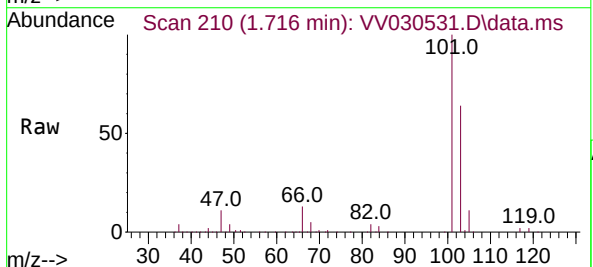
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

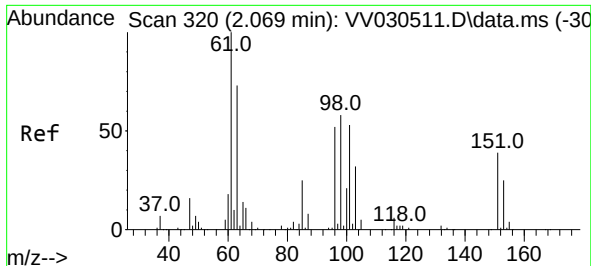
Tgt Ion: 64 Resp: 32922
Ion Ratio Lower Upper
64 100
66 33.0 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.090 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion:101 Resp: 94279
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

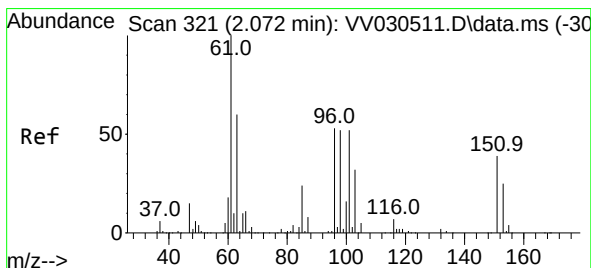
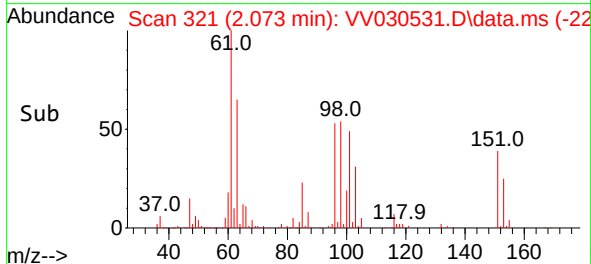
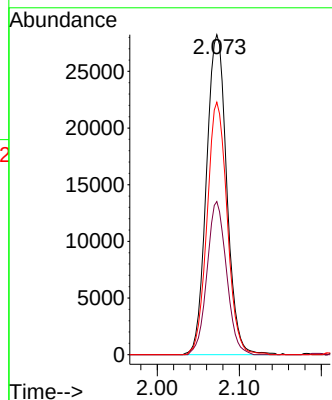
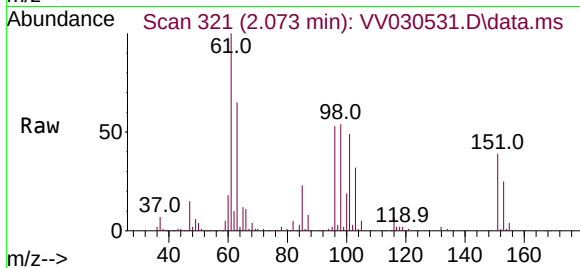




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.759 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

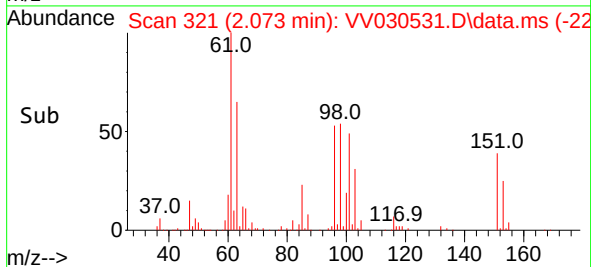
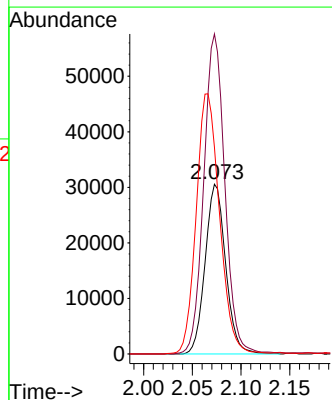
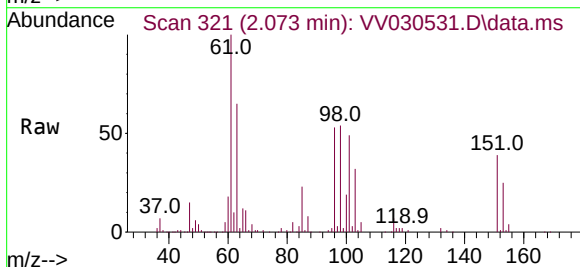
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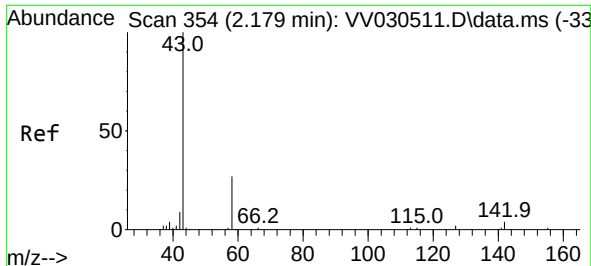
Tgt Ion:101 Resp: 48647
 Ion Ratio Lower Upper
 101 100
 85 45.9 38.1 57.1
 151 78.0 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.932 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

Tgt Ion: 96 Resp: 44774
 Ion Ratio Lower Upper
 96 100
 61 188.5 136.3 253.1
 63 121.8 92.1 171.1





#13

Acetone

Concen: 43.154 ug/L

RT: 2.159 min Scan# 34

Delta R.T. -0.019 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

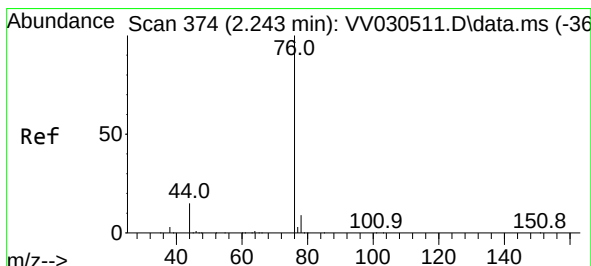
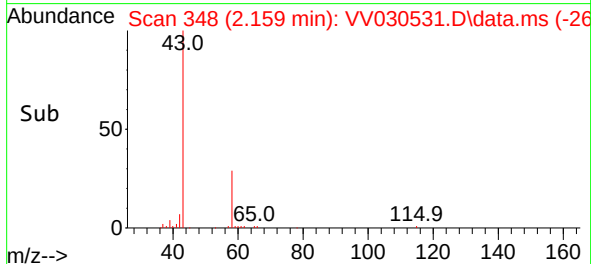
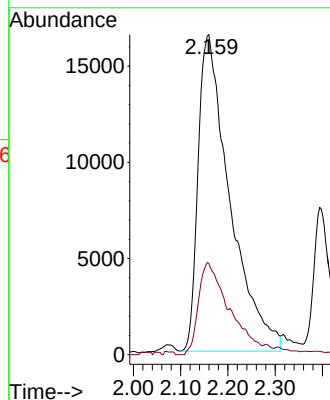
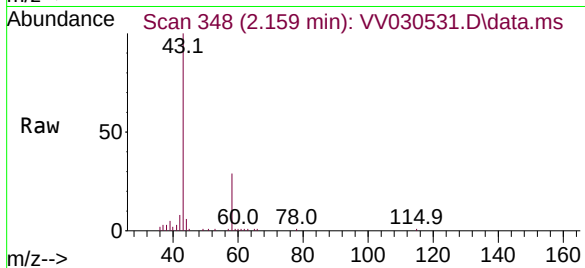
VSTD005331

Tgt Ion: 43 Resp: 76748

Ion Ratio Lower Upper

43 100

58 28.2 0.0 40.8



#14

Carbon disulfide

Concen: 4.313 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV030531.D

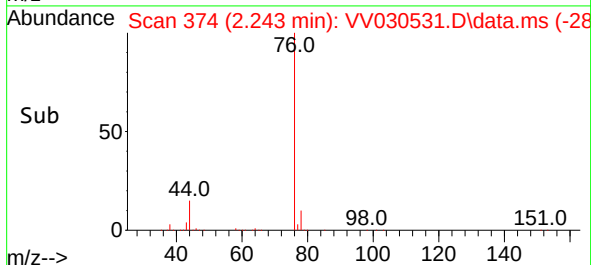
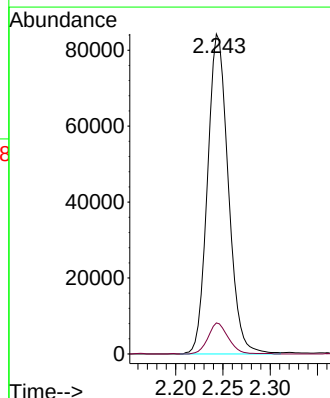
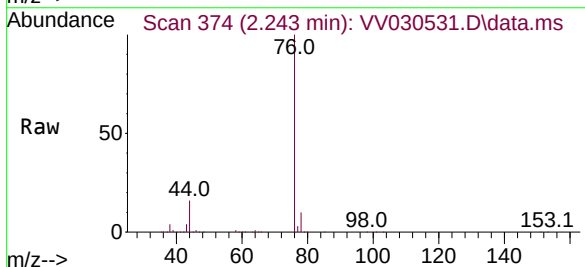
Acq: 12 Apr 2023 20:37

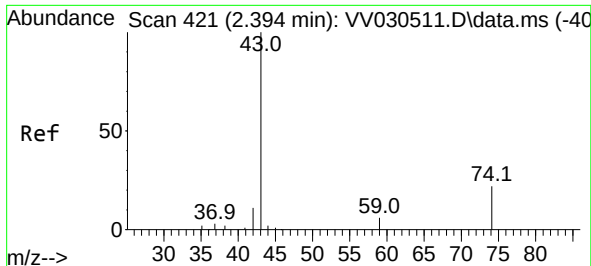
Tgt Ion: 76 Resp: 128969

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

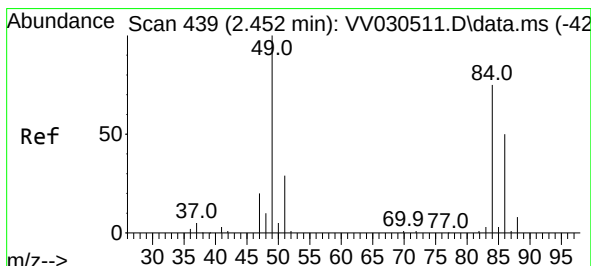
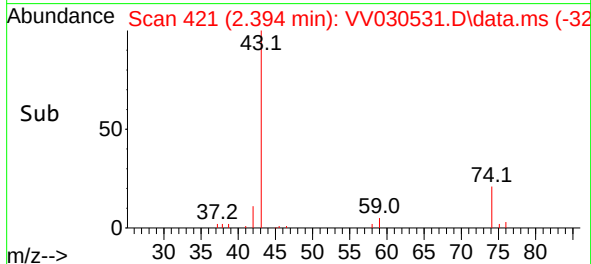
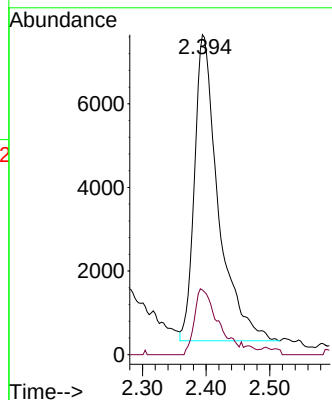
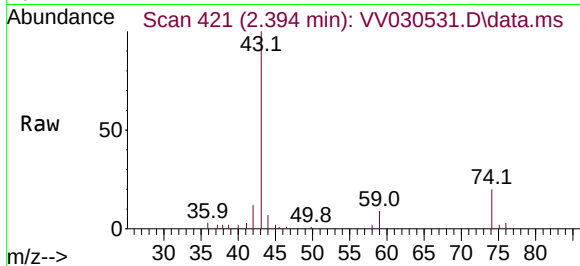




#15
Methyl Acetate
Concen: 6.001 ug/L
RT: 2.394 min Scan# 421
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

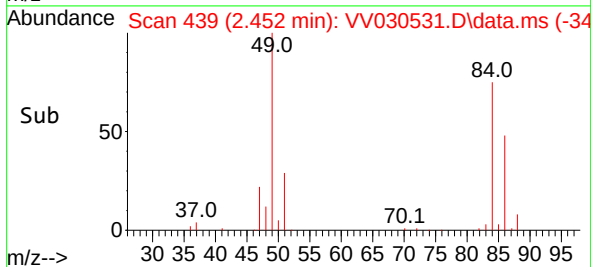
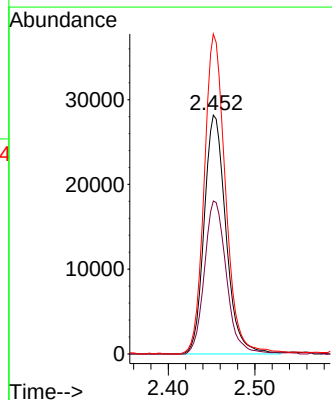
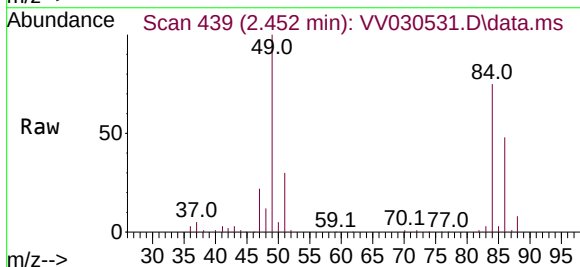
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

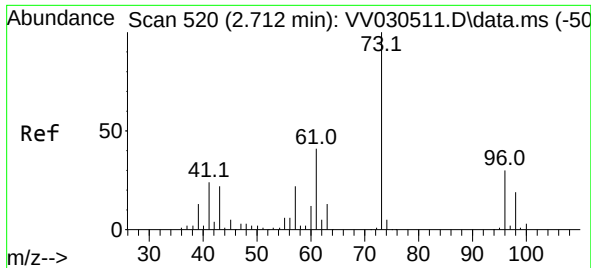
Tgt Ion: 43 Resp: 19073
Ion Ratio Lower Upper
43 100
74 21.1 22.1 33.1#



#16
Methylene chloride
Concen: 4.589 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 84 Resp: 49277
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.6
49 133.9 90.6 168.3

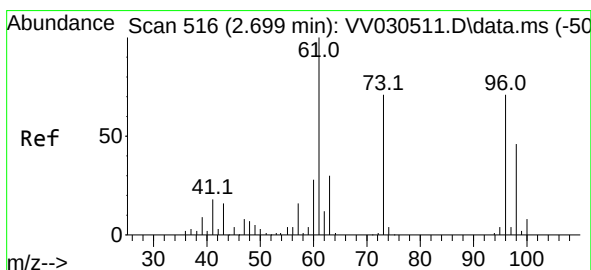
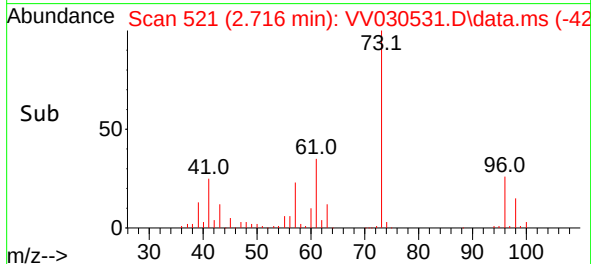
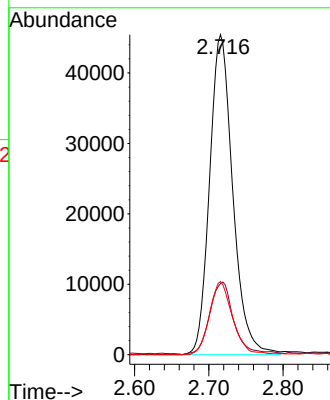
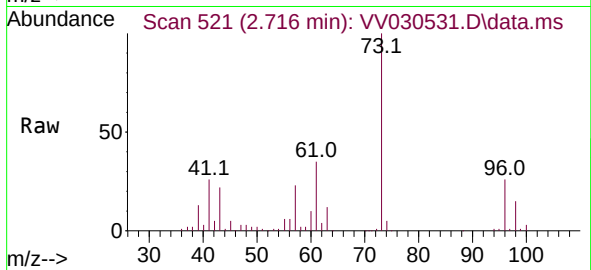




#17
Methyl tert-butyl Ether
Concen: 5.125 ug/L
RT: 2.716 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

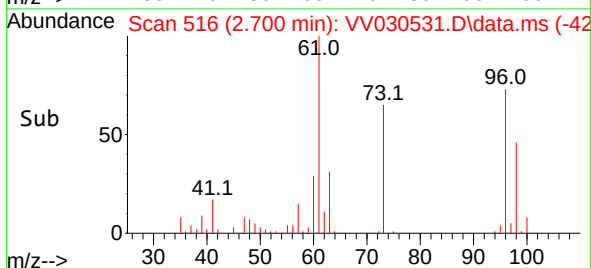
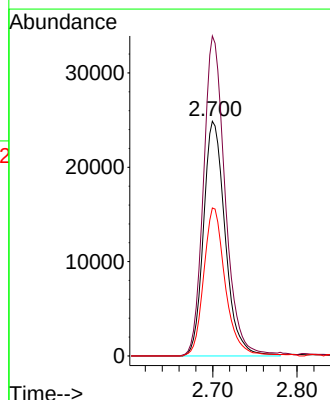
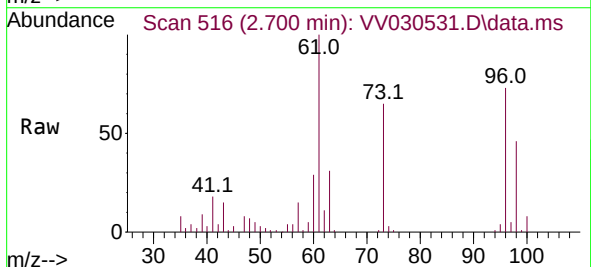
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

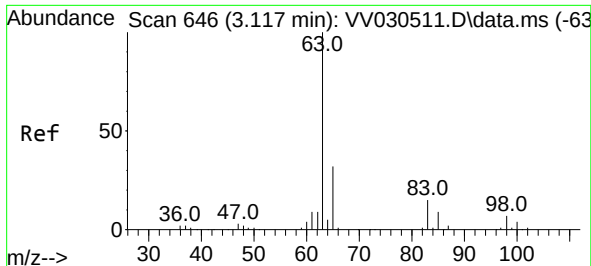
Tgt Ion: 73 Resp: 98537
Ion Ratio Lower Upper
73 100
43 23.4 17.4 26.2
57 22.7 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.661 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 96 Resp: 44574
Ion Ratio Lower Upper
96 100
61 136.3 101.7 188.9
98 63.1 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.671 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

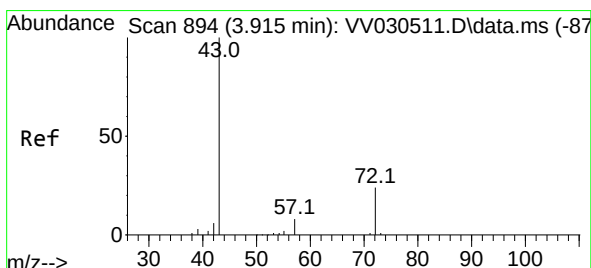
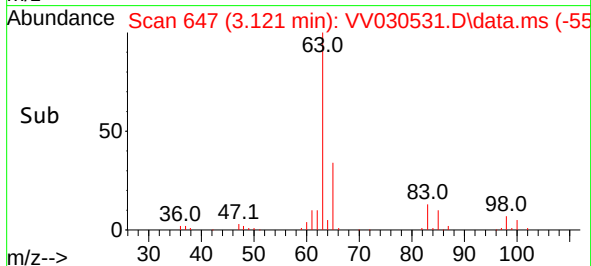
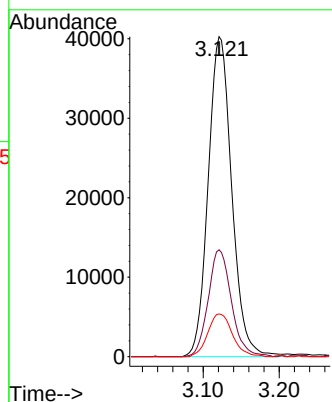
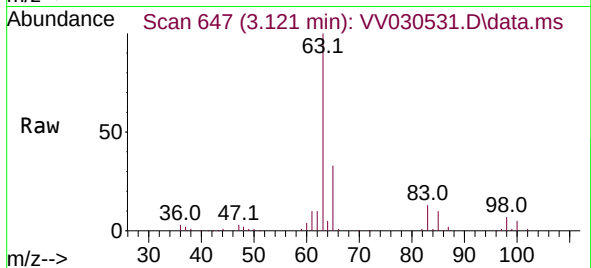
Tgt Ion: 63 Resp: 86601

Ion Ratio Lower Upper

63 100

65 33.4 21.7 40.3

83 13.4 9.1 16.9



#21

2-Butanone

Concen: 51.805 ug/L

RT: 3.909 min Scan# 892

Delta R.T. -0.006 min

Lab File: VV030531.D

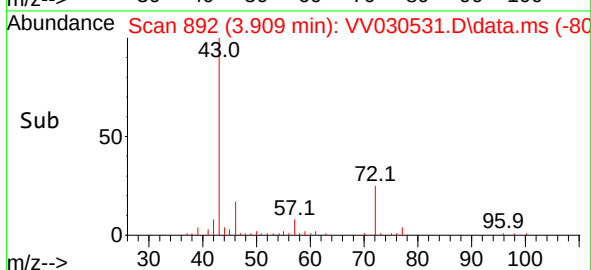
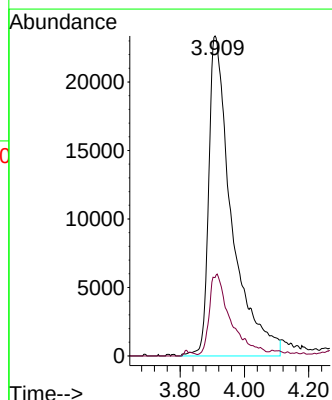
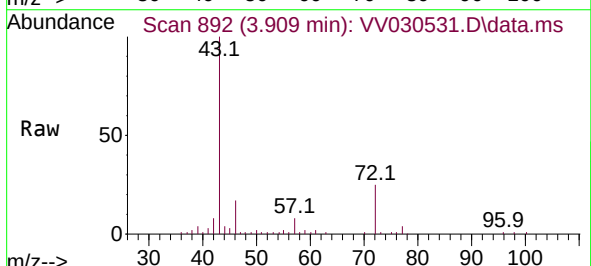
Acq: 12 Apr 2023 20:37

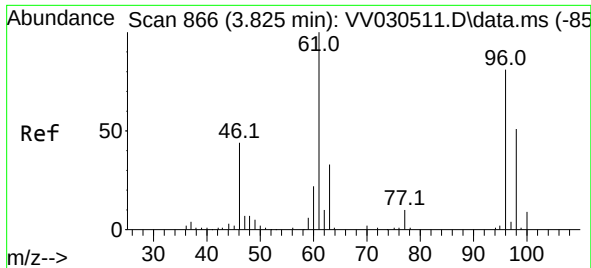
Tgt Ion: 43 Resp: 115963

Ion Ratio Lower Upper

43 100

72 20.5 11.2 33.5

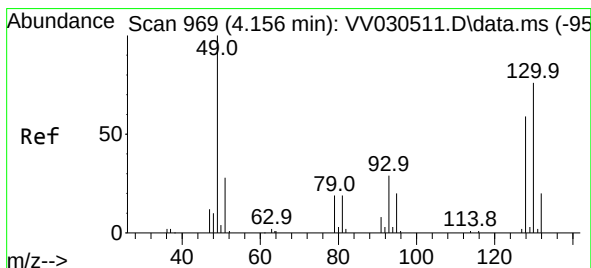
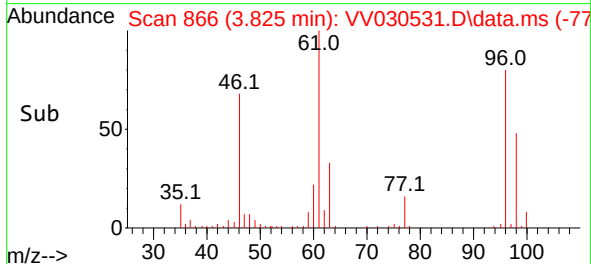
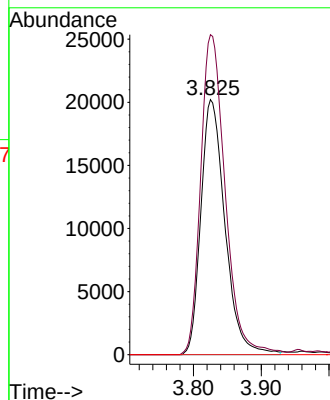
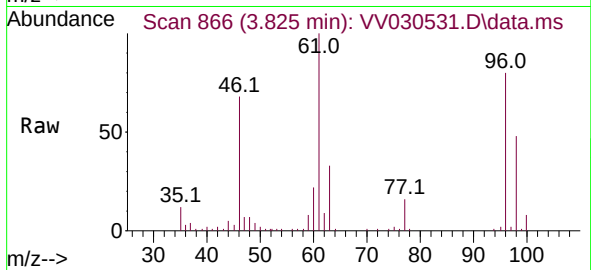




#22
 cis-1,2-Dichloroethene
 Concen: 5.201 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

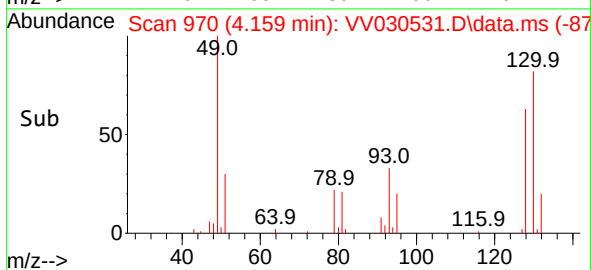
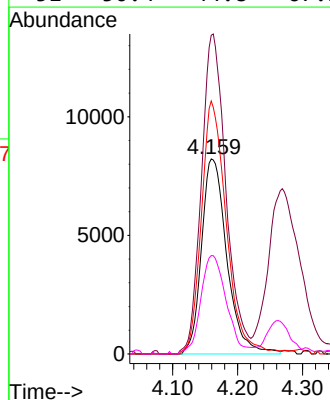
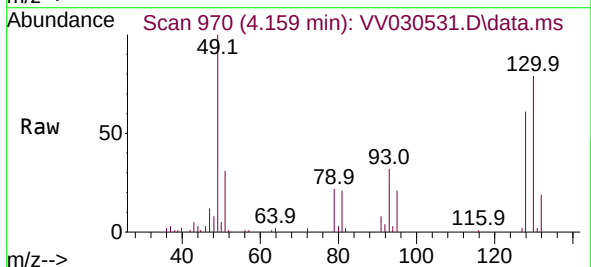
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

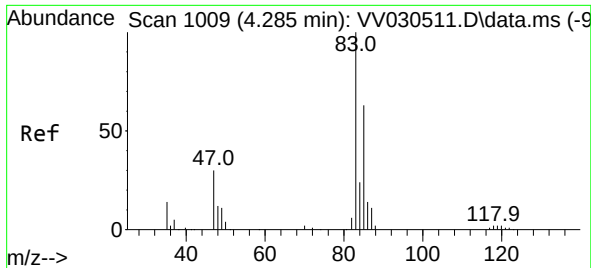
Tgt Ion: 96 Resp: 49915
 Ion Ratio Lower Upper
 96 100
 61 125.4 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.986 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.003 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

Tgt Ion: 128 Resp: 22349
 Ion Ratio Lower Upper
 128 100
 49 163.4 119.4 221.8
 130 129.7 89.2 165.8
 51 50.4 44.8 67.2

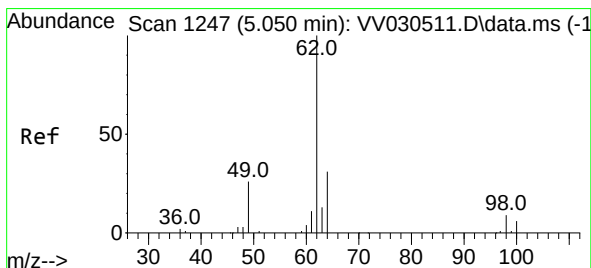
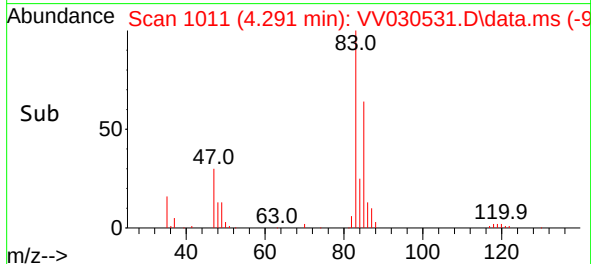
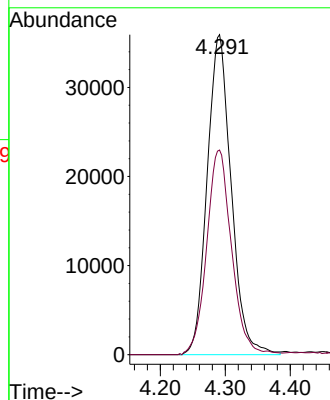
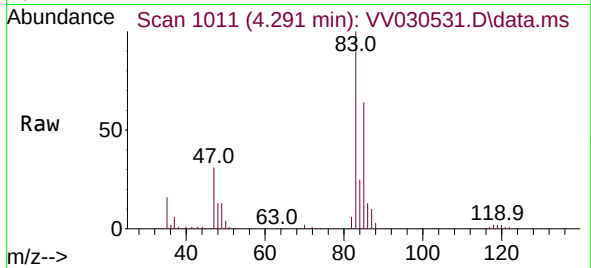




#25
Chloroform
Concen: 4.931 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.007 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

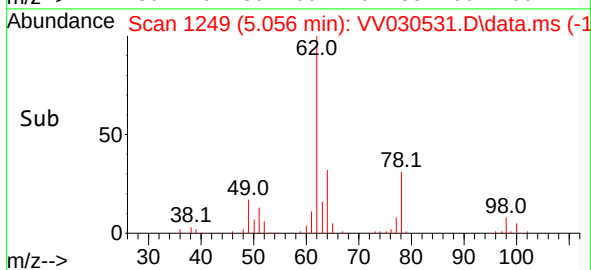
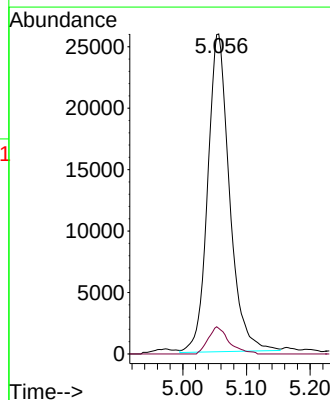
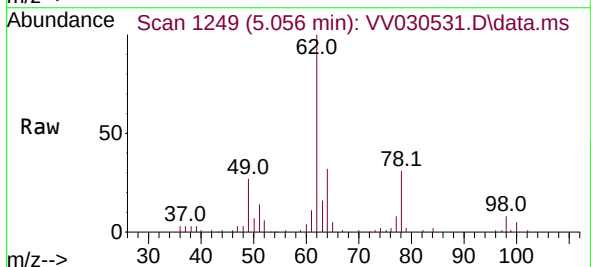
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

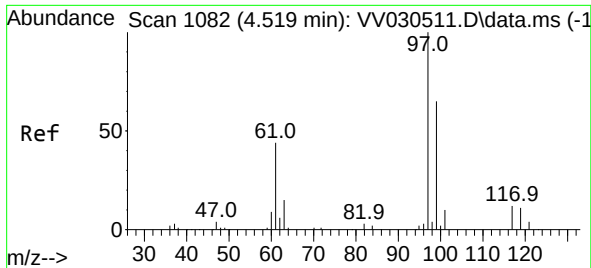
Tgt Ion: 83 Resp: 92388
Ion Ratio Lower Upper
83 100
85 63.9 47.6 88.4



#27
1,2-Dichloroethane
Concen: 5.440 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.007 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 62 Resp: 61628
Ion Ratio Lower Upper
62 100
98 8.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.044 ug/L

RT: 4.526 min Scan# 1104

Delta R.T. 0.007 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

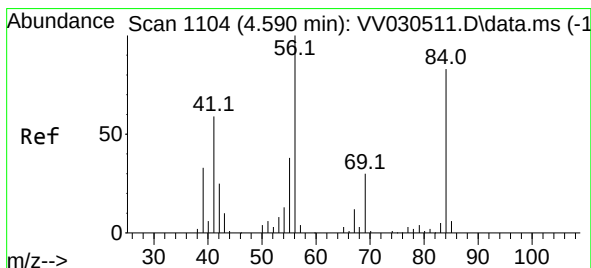
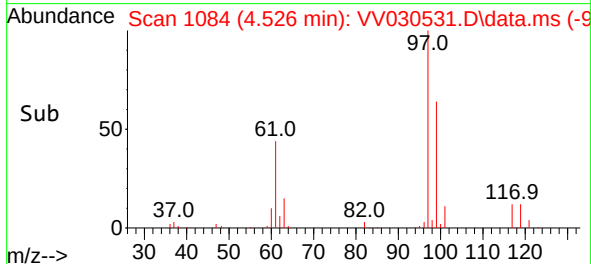
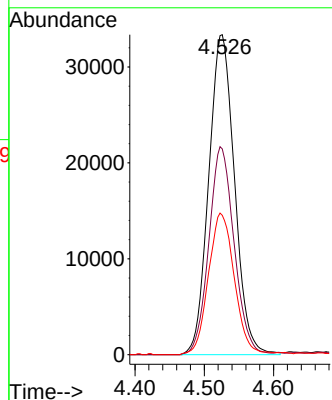
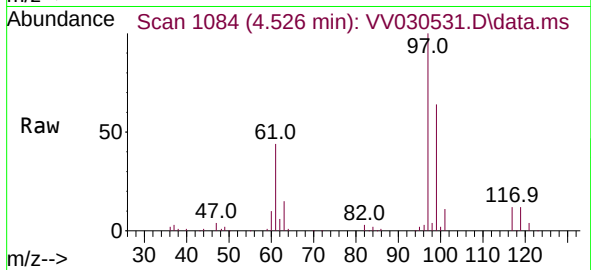
Tgt Ion: 97 Resp: 86345

Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 44.7 35.9 53.9



#30

Cyclohexane

Concen: 4.382 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

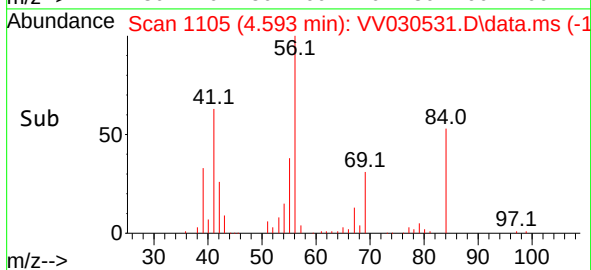
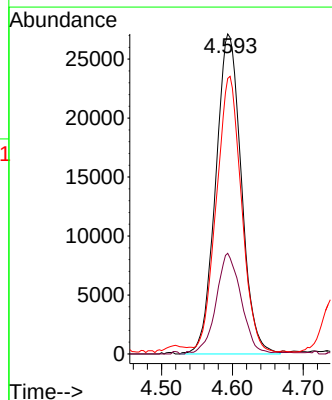
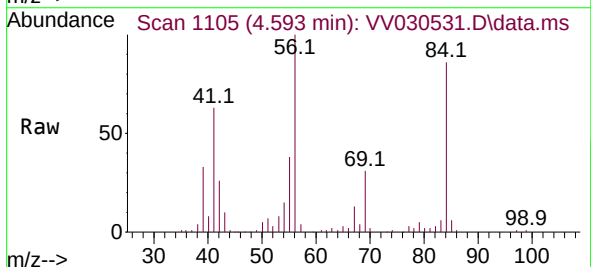
Tgt Ion: 56 Resp: 68327

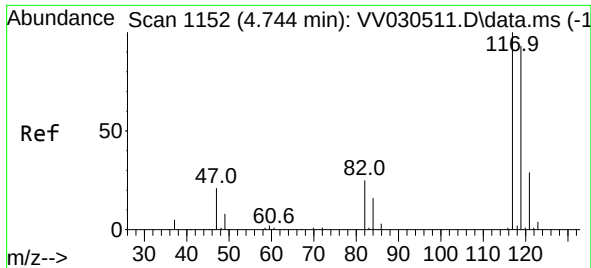
Ion Ratio Lower Upper

56 100

69 29.3 24.2 36.2

84 84.0 66.6 100.0

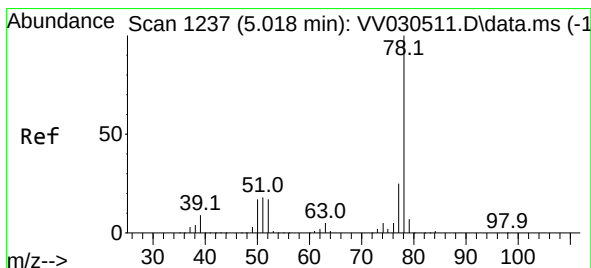
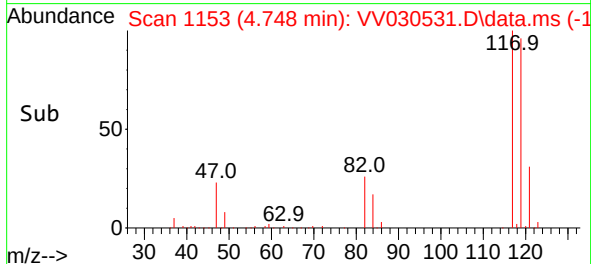
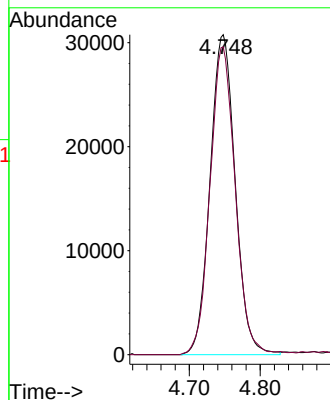
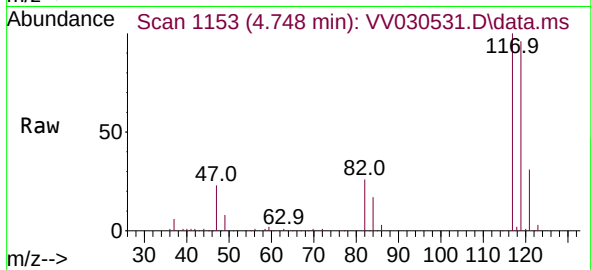




#31
Carbon tetrachloride
Concen: 4.882 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

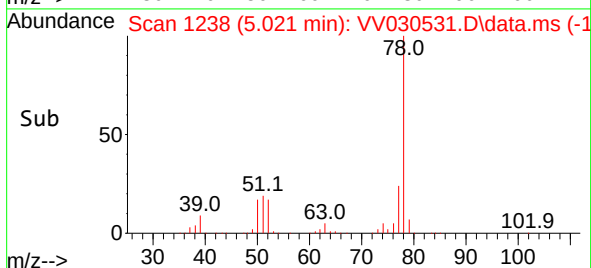
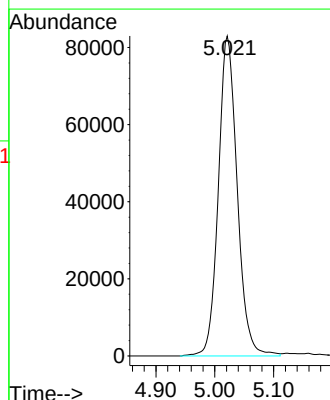
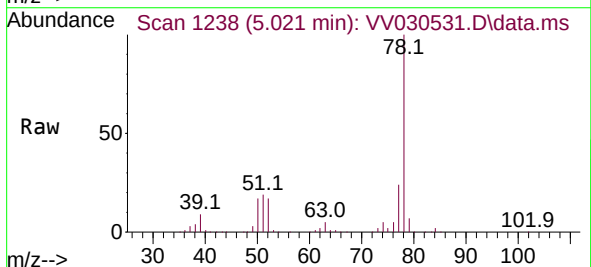
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

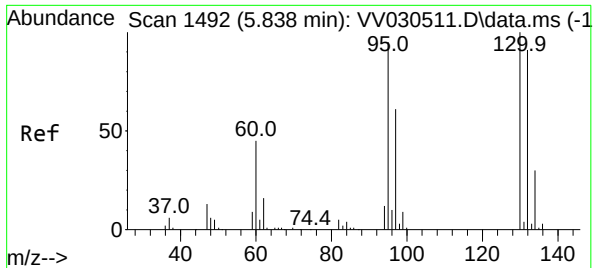
Tgt Ion:117 Resp: 75825
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.4



#33
Benzene
Concen: 4.889 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 78 Resp: 184951



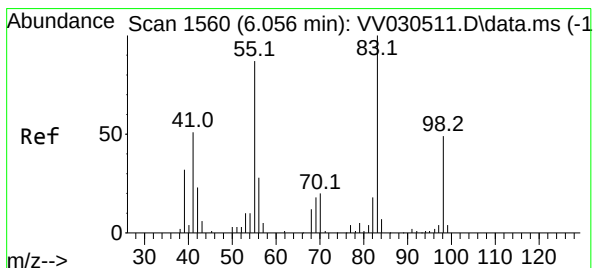
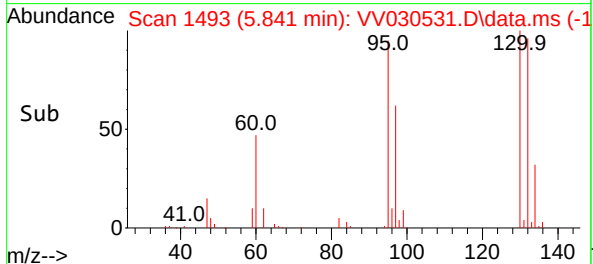
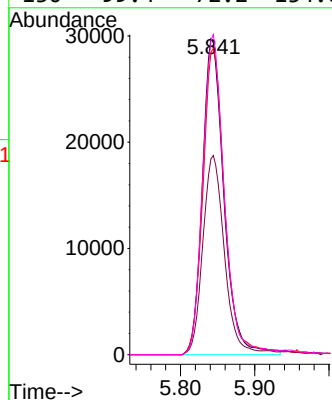
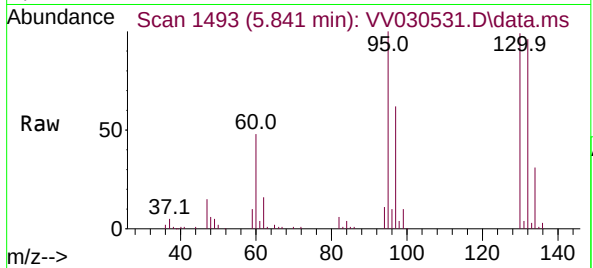


#34
Trichloroethene
Concen: 5.852 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

Tgt Ion: 95 Resp: 59700

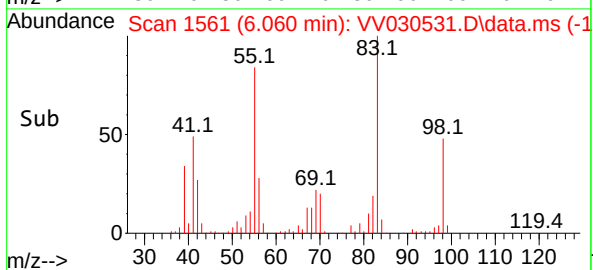
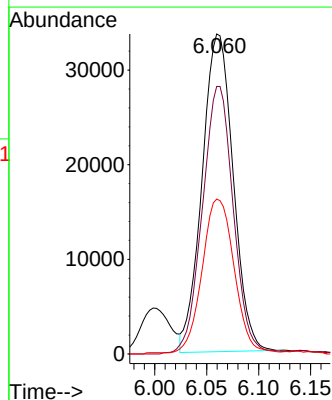
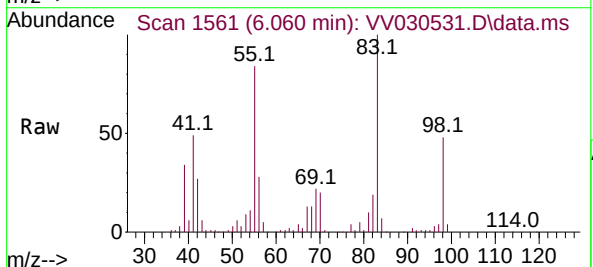
Ion	Ratio	Lower	Upper
95	100		
97	62.0	44.2	82.2
132	95.6	69.5	129.1
130	99.4	72.2	134.0

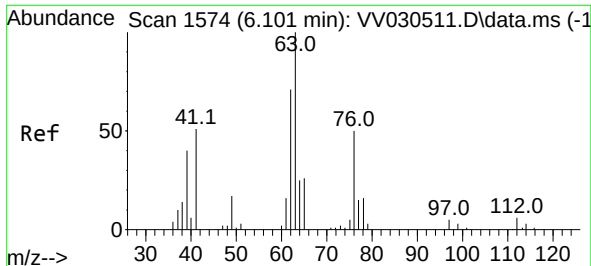


#35
Methylcyclohexane
Concen: 4.365 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 83 Resp: 69894

Ion	Ratio	Lower	Upper
83	100		
55	84.3	66.6	100.0
98	49.5	38.6	58.0





#37

1,2-Dichloropropane

Concen: 4.884 ug/L

RT: 6.105 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

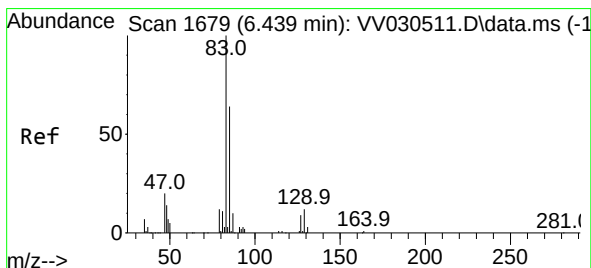
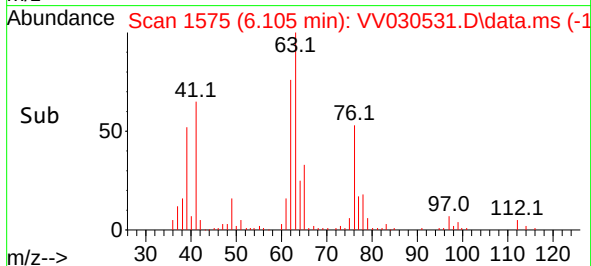
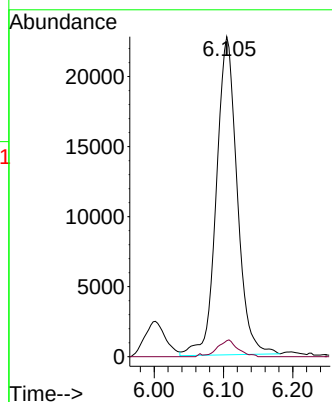
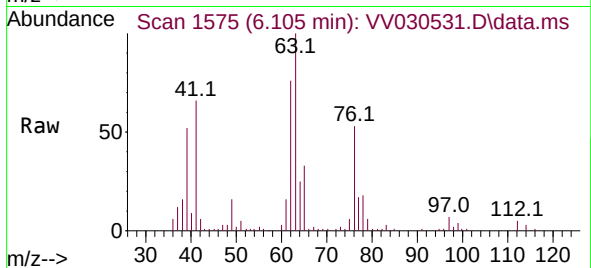
VSTD005331

Tgt Ion: 63 Resp: 47423

Ion Ratio Lower Upper

63 100

112 5.0 3.9 5.9



#38

Bromodichloromethane

Concen: 5.178 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

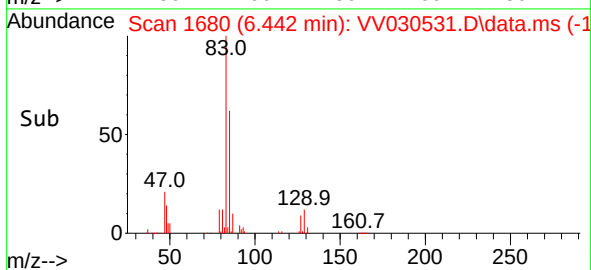
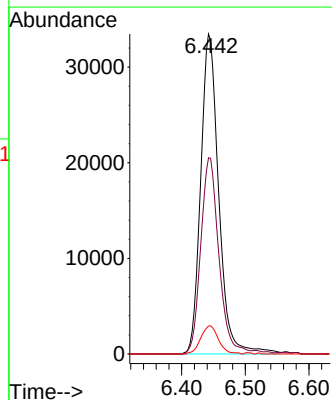
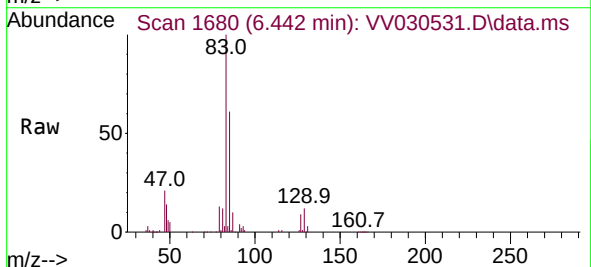
Tgt Ion: 83 Resp: 65852

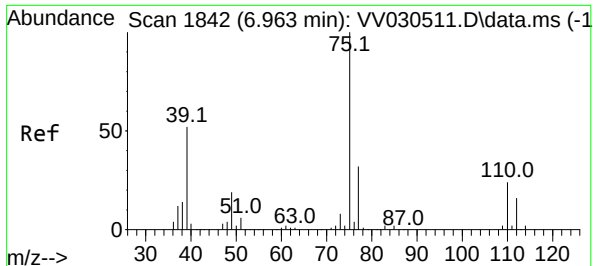
Ion Ratio Lower Upper

83 100

85 61.3 45.3 84.1

127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.558 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

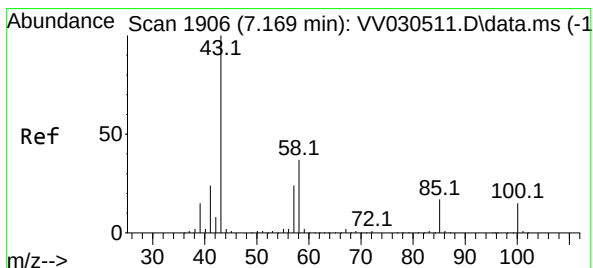
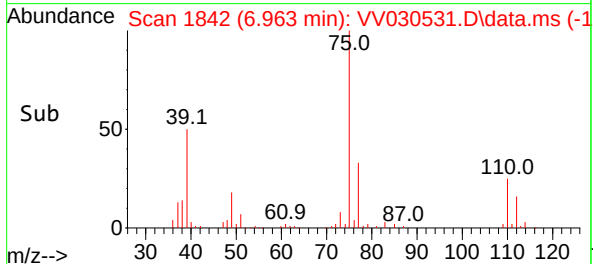
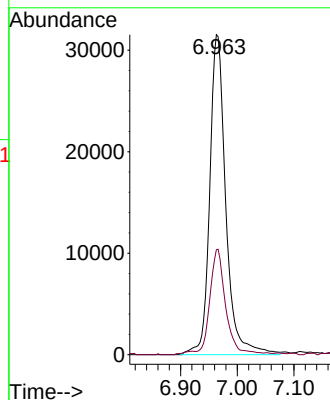
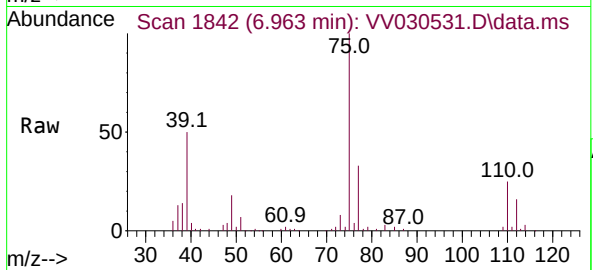
VSTD005331

Tgt Ion: 75 Resp: 62245

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 56.943 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

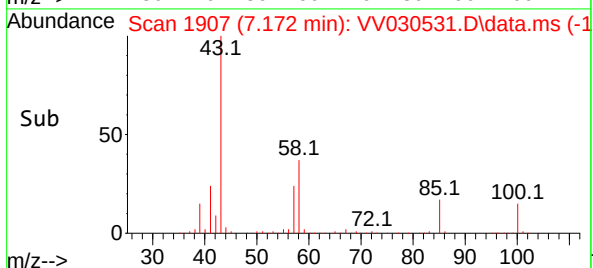
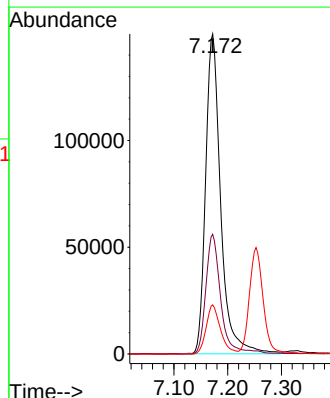
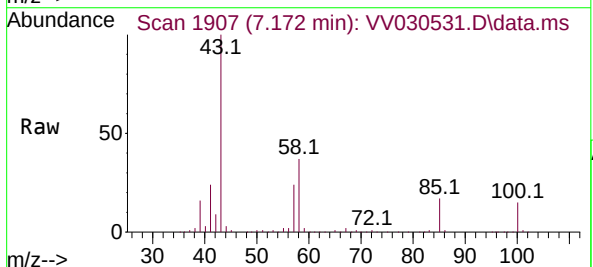
Tgt Ion: 43 Resp: 291380

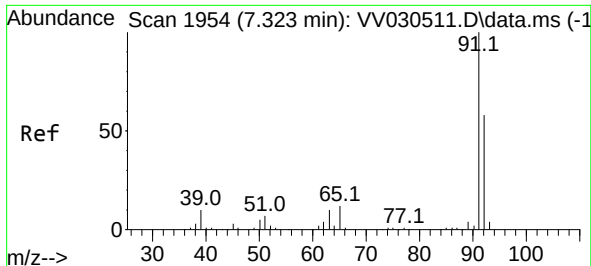
Ion Ratio Lower Upper

43 100

58 37.2 28.8 43.2

100 14.6 10.7 16.1





#42

Toluene

Concen: 5.076 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

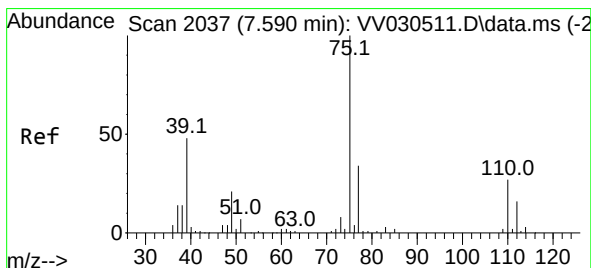
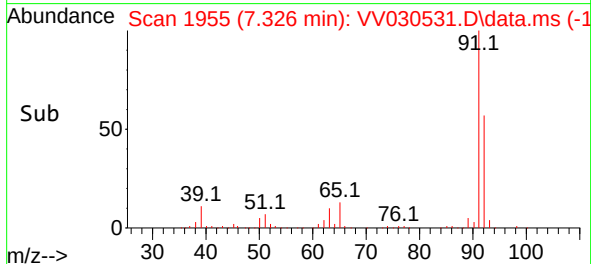
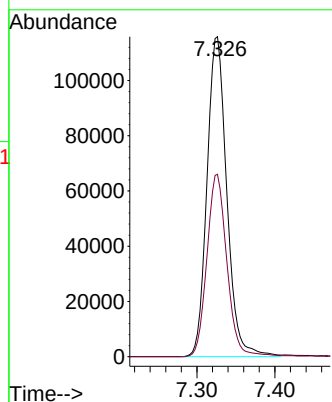
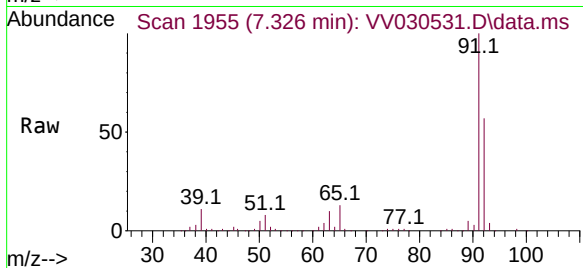
VSTD005331

Tgt Ion: 91 Resp: 204496

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.766 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030531.D

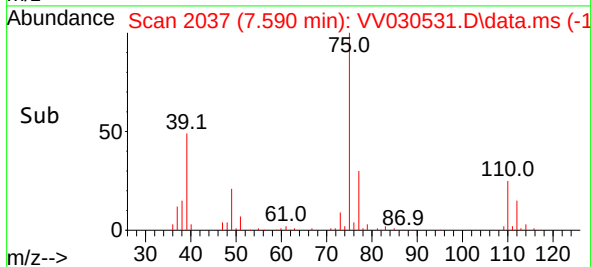
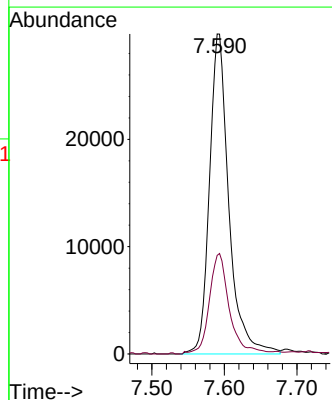
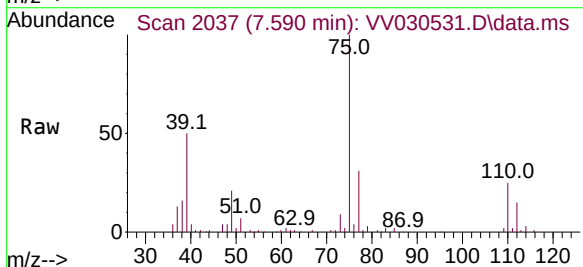
Acq: 12 Apr 2023 20:37

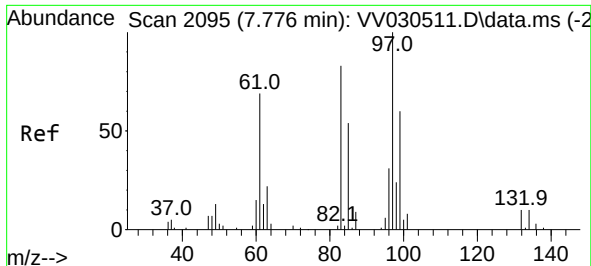
Tgt Ion: 75 Resp: 55376

Ion Ratio Lower Upper

75 100

77 30.8 21.2 39.4

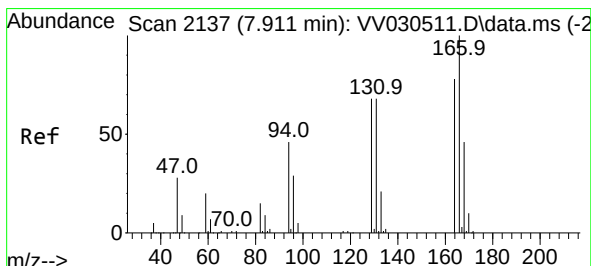
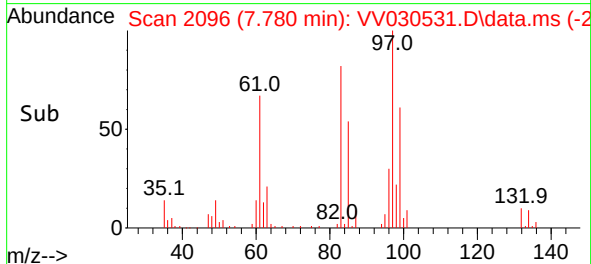
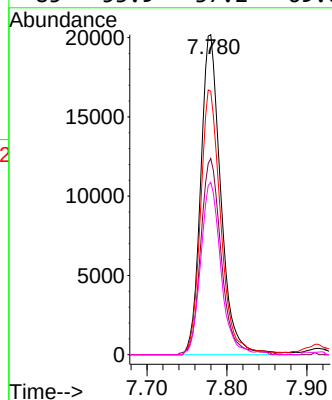
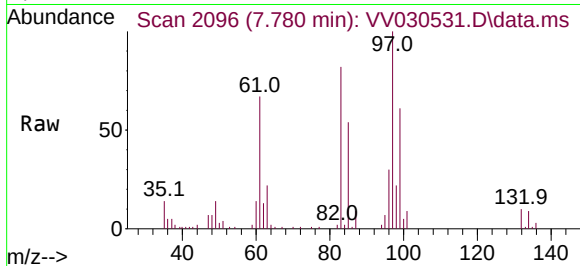




#45
1,1,2-Trichloroethane
Concen: 5.171 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

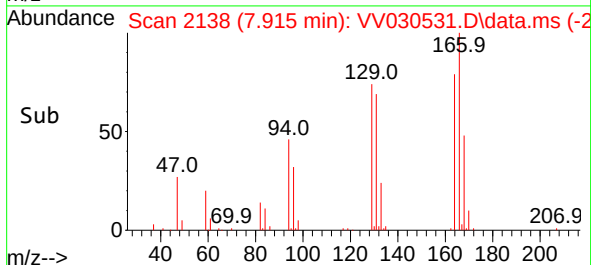
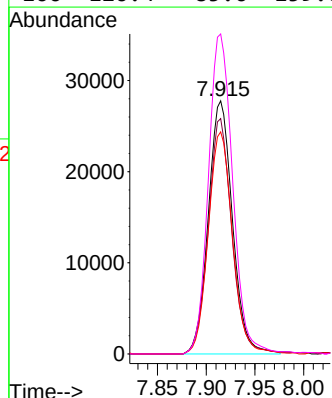
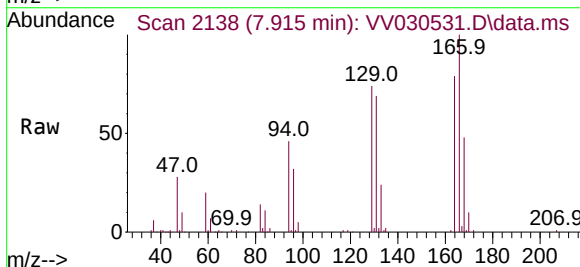
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

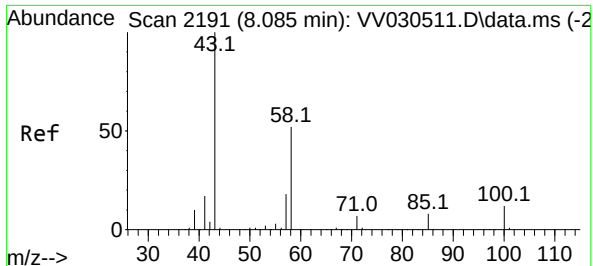
Tgt Ion:	97	Resp:	35356
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.0	81.8
83	82.3	58.8	109.2
85	53.9	37.2	69.0



#47
Tetrachloroethene
Concen: 5.340 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion:	164	Resp:	48075
Ion	Ratio	Lower	Upper
164	100		
129	93.0	60.8	112.8
131	87.8	61.7	114.7
166	126.4	85.6	159.0



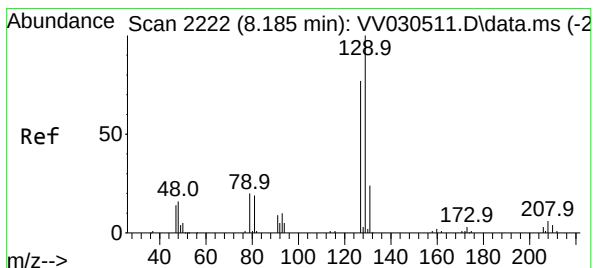
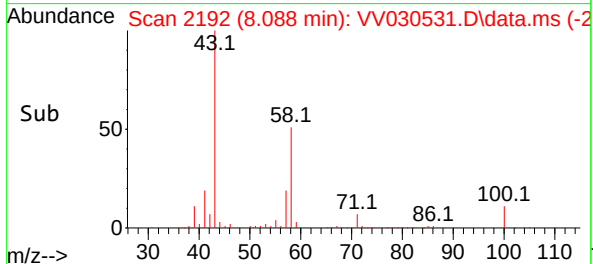
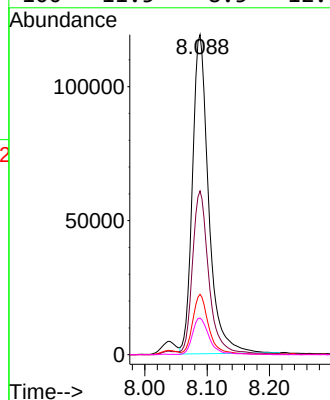
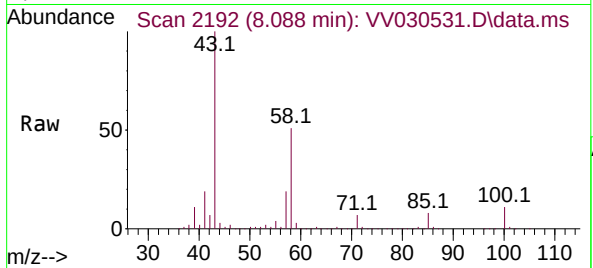


#48
2-Hexanone
Concen: 56.203 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

Tgt Ion: 43 Resp: 215386

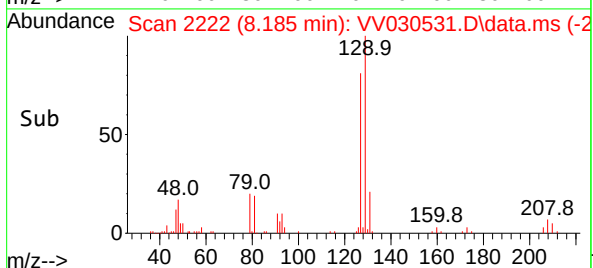
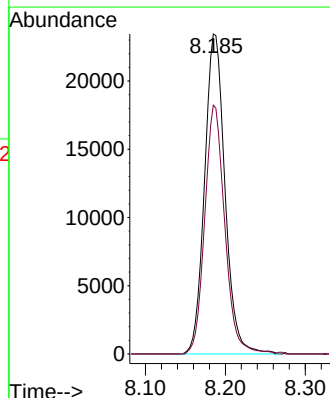
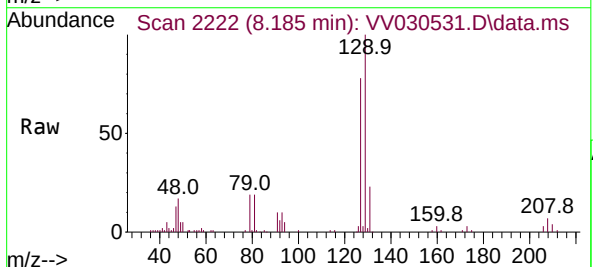
Ion	Ratio	Lower	Upper
43	100		
58	50.7	40.3	60.5
57	18.6	14.6	22.0
100	11.5	8.5	12.7

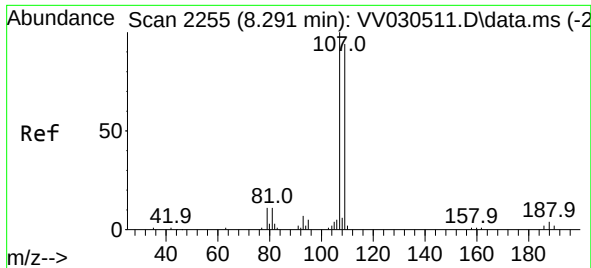


#49
Dibromochloromethane
Concen: 5.129 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 129 Resp: 41746

Ion	Ratio	Lower	Upper
129	100		
127	77.8	52.7	97.9



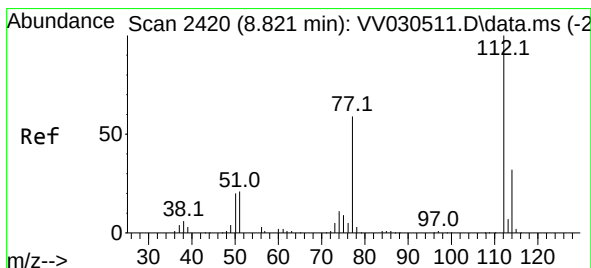
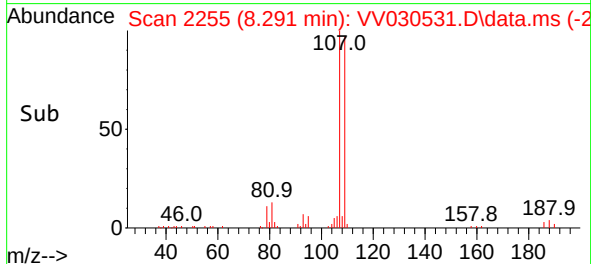
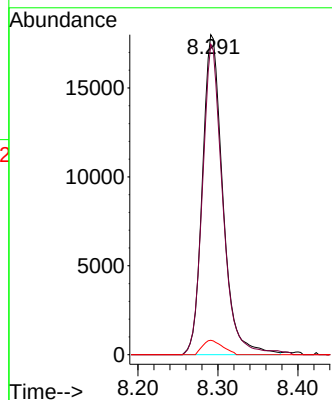
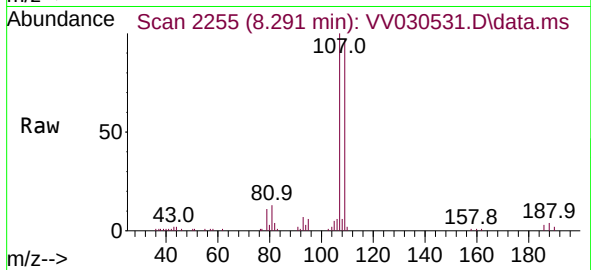


#50
1,2-Dibromoethane
Concen: 5.147 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

Tgt Ion:107 Resp: 32017

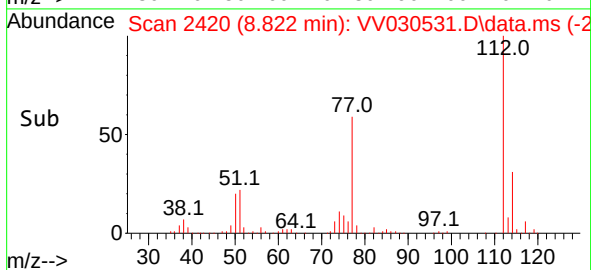
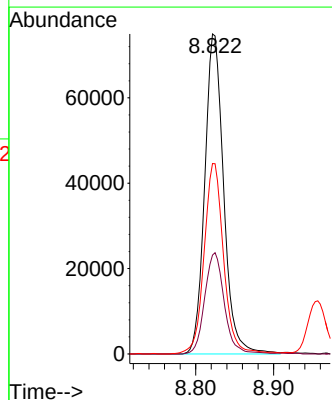
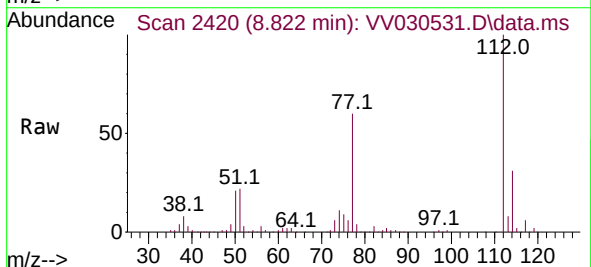
Ion	Ratio	Lower	Upper
107	100		
109	97.1	62.9	116.9
188	4.5	3.0	4.6

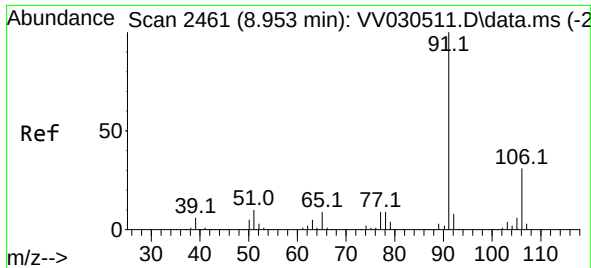


#51
Chlorobenzene
Concen: 4.910 ug/L
RT: 8.822 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion:112 Resp: 126653

Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.4	41.6
77	59.5	45.9	68.9

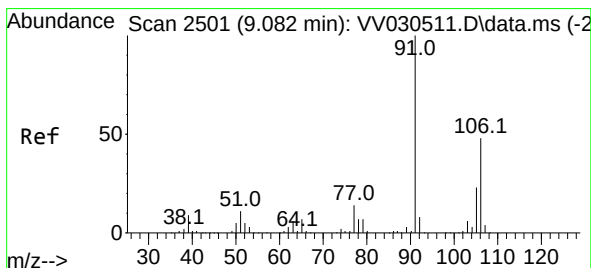
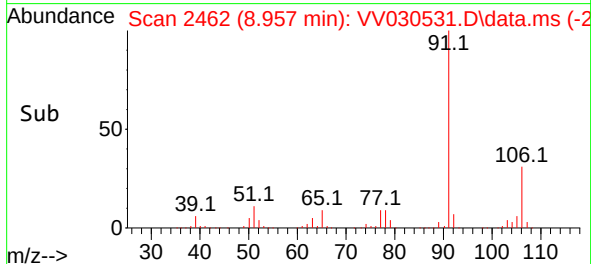
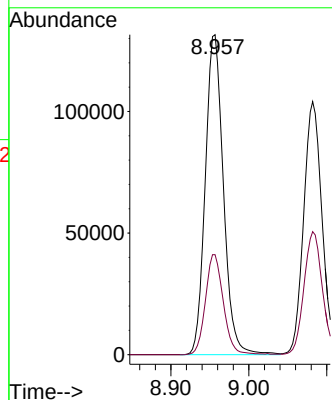
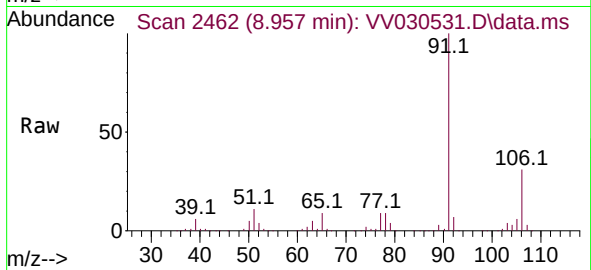




#52
Ethylbenzene
Concen: 4.828 ug/L
RT: 8.957 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

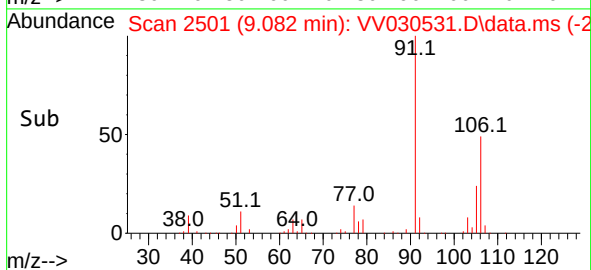
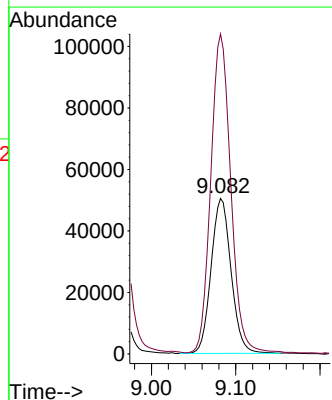
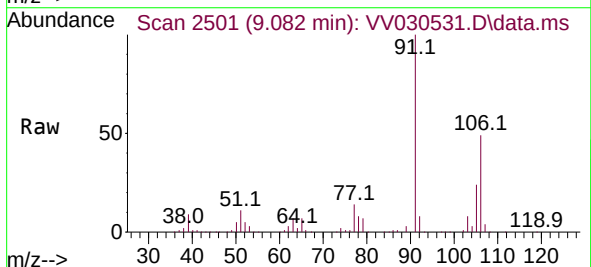
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

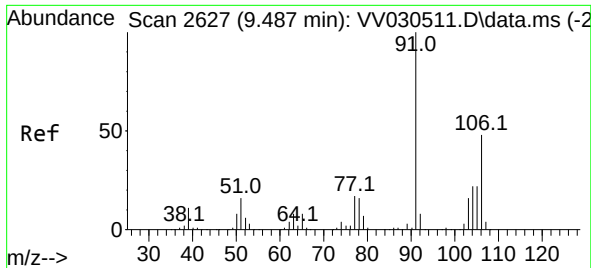
Tgt Ion: 91 Resp: 212820
Ion Ratio Lower Upper
91 100
106 31.2 22.2 41.2



#53
m,p-Xylene
Concen: 4.931 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 106 Resp: 83195
Ion Ratio Lower Upper
106 100
91 205.7 142.4 264.4

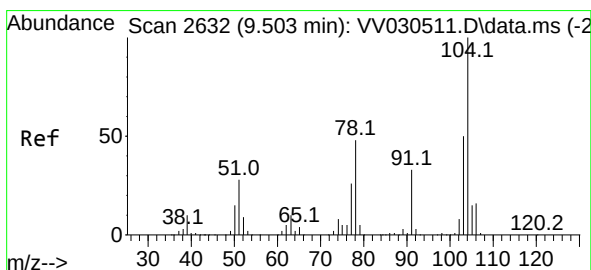
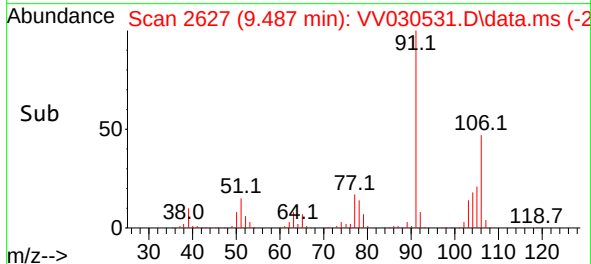
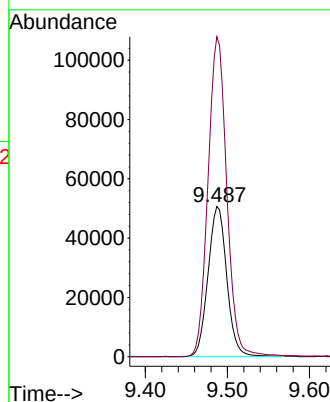
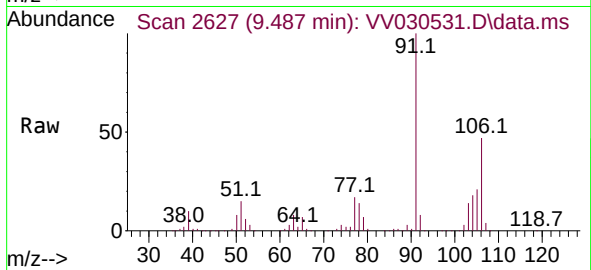




#54
o-Xylene
Concen: 4.991 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

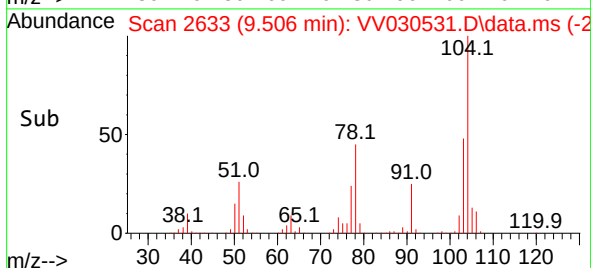
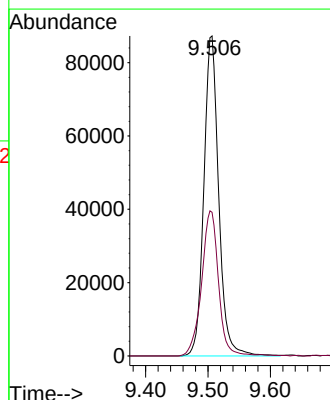
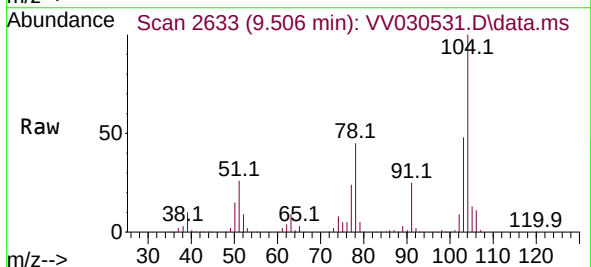
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

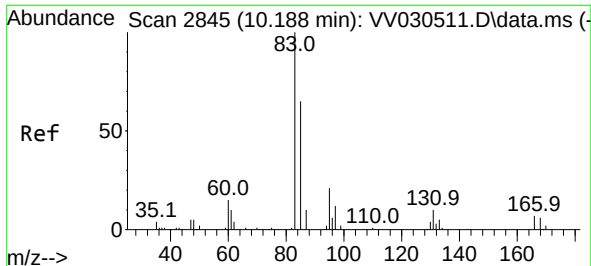
Tgt Ion:106 Resp: 80580
Ion Ratio Lower Upper
106 100
91 213.0 149.8 278.2



#55
Styrene
Concen: 5.275 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion:104 Resp: 144653
Ion Ratio Lower Upper
104 100
78 44.9 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.228 ug/L

RT: 10.188 min Scan# 2845

Delta R.T. 0.000 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

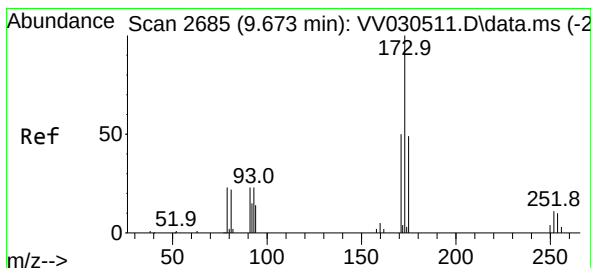
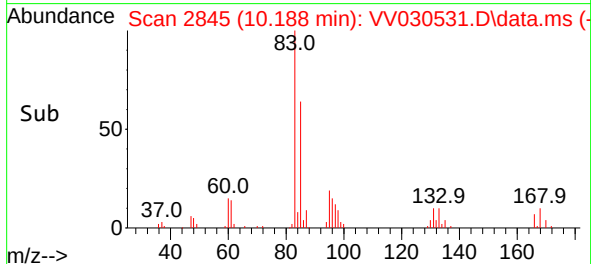
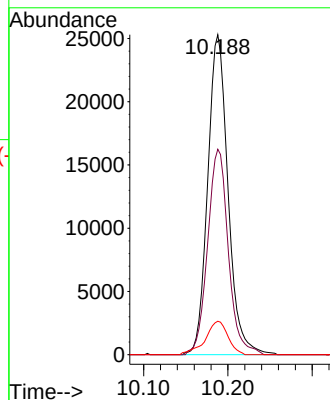
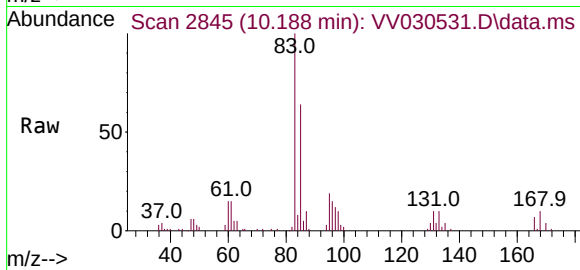
Tgt Ion: 83 Resp: 42430

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

131 10.5 8.2 12.4



#59

Bromoform

Concen: 5.019 ug/L

RT: 9.677 min Scan# 2686

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

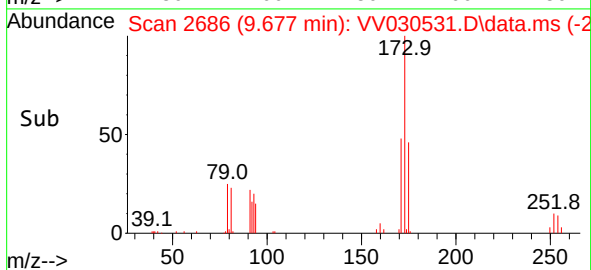
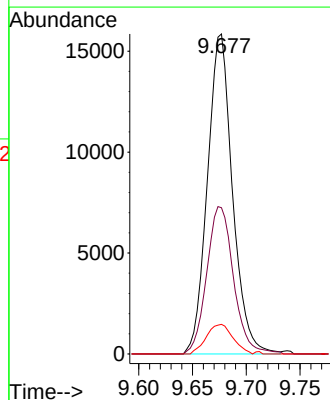
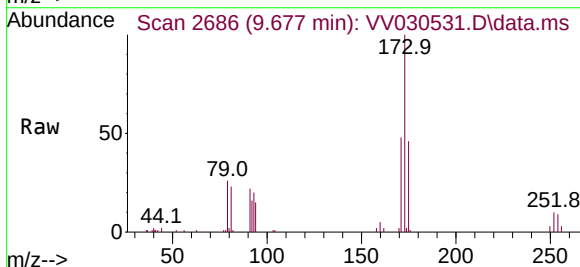
Tgt Ion: 173 Resp: 25735

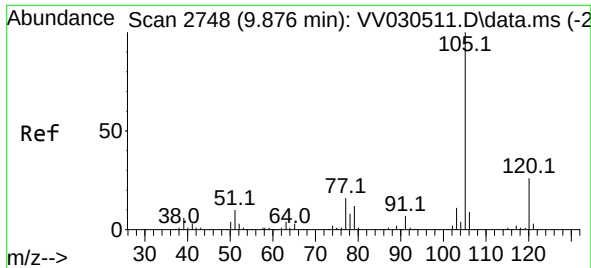
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 9.8 8.2 12.4

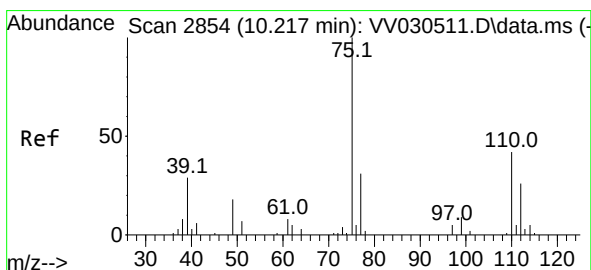
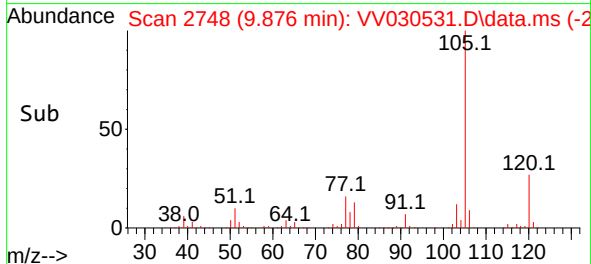
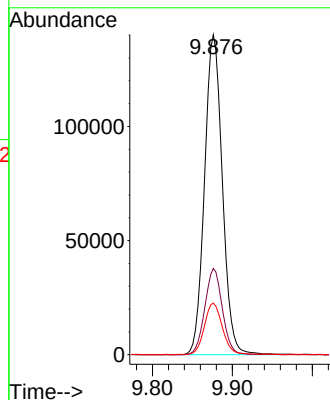
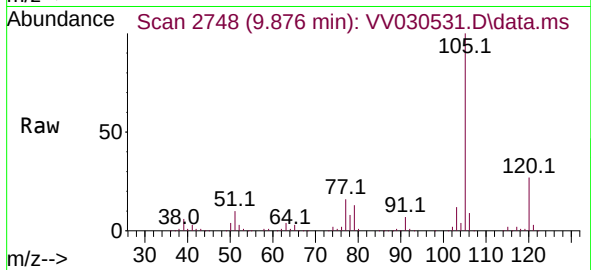




#60
Isopropylbenzene
Concen: 4.659 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

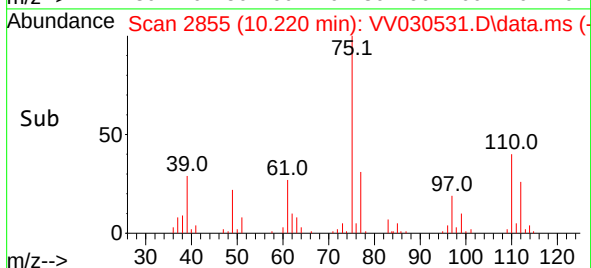
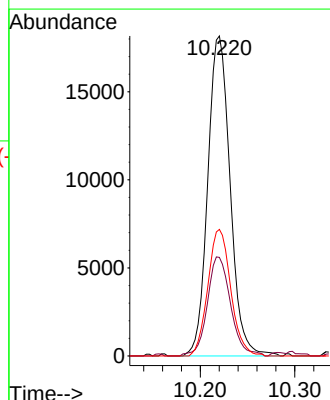
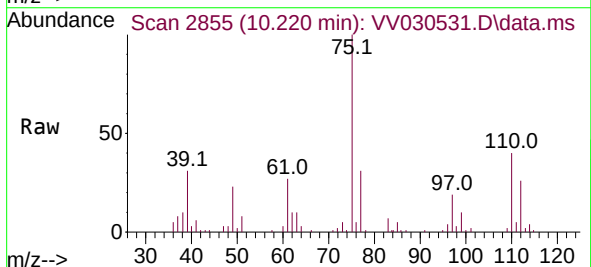
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

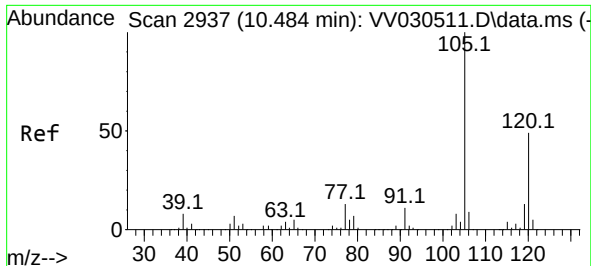
Tgt Ion:105 Resp: 217999
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 16.5 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 5.271 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion: 75 Resp: 29898
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 40.5 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.570 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

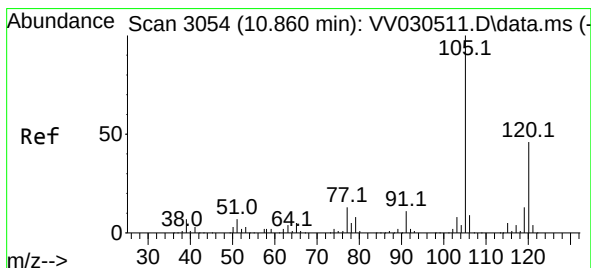
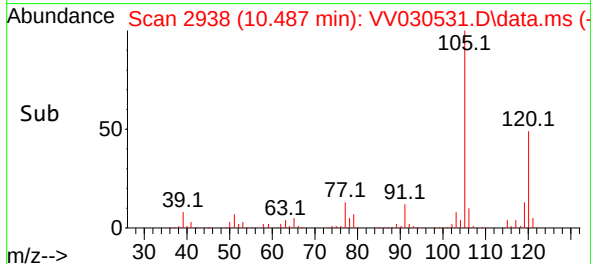
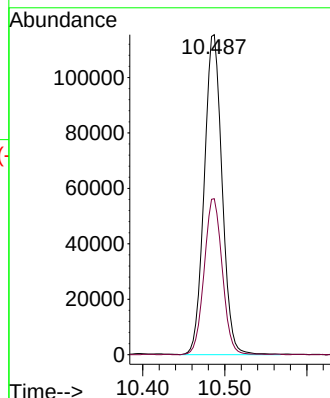
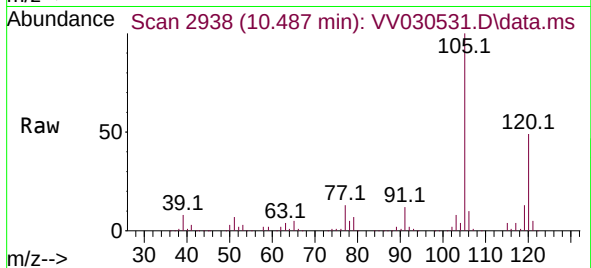
VSTD005331

Tgt Ion:105 Resp: 174487

Ion Ratio Lower Upper

105 100

120 49.5 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.707 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030531.D

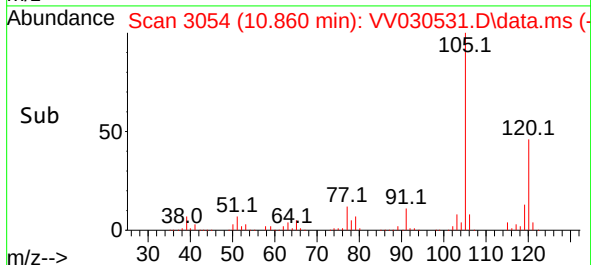
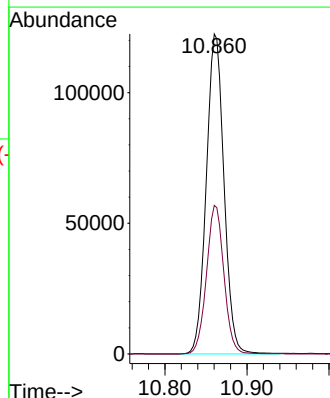
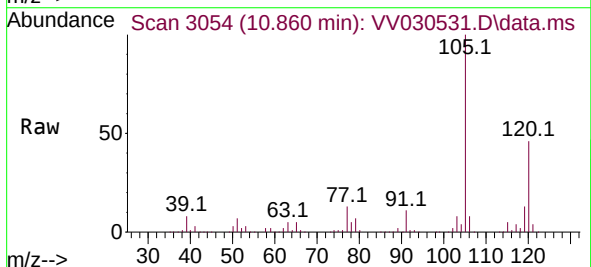
Acq: 12 Apr 2023 20:37

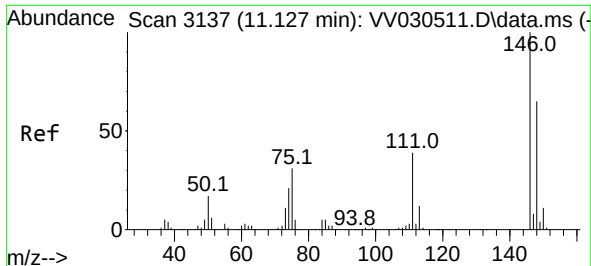
Tgt Ion:105 Resp: 183147

Ion Ratio Lower Upper

105 100

120 45.7 36.8 55.2

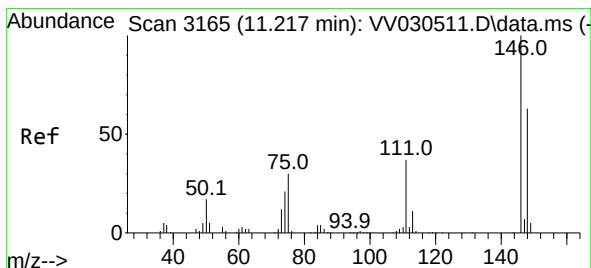
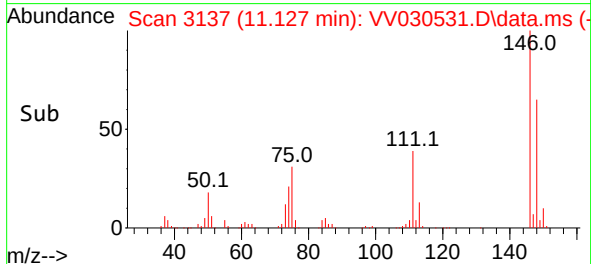
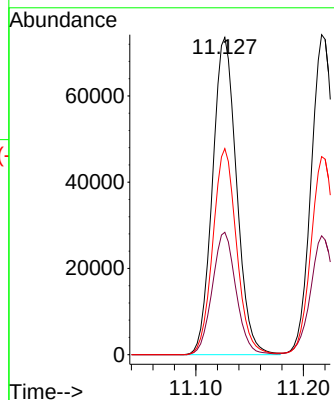
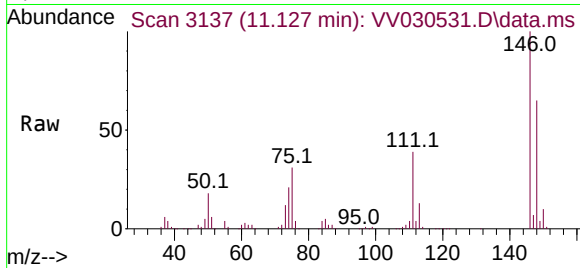




#64
 1,3-Dichlorobenzene
 Concen: 4.910 ug/L
 RT: 11.127 min Scan# 3137
 Delta R.T. 0.000 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

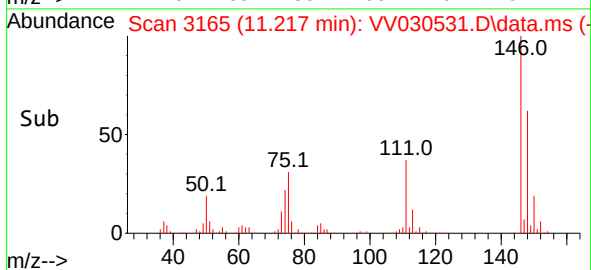
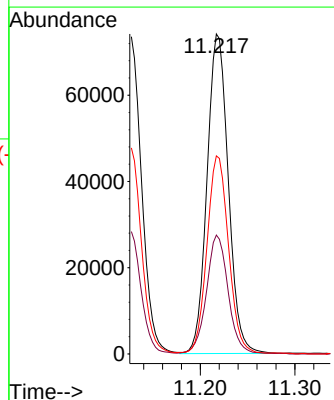
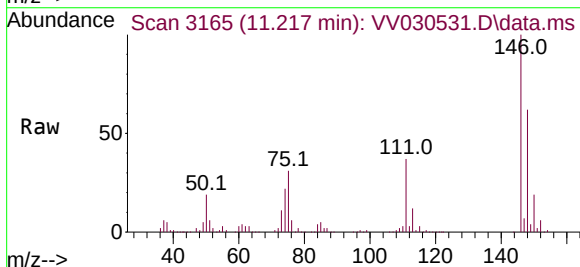
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

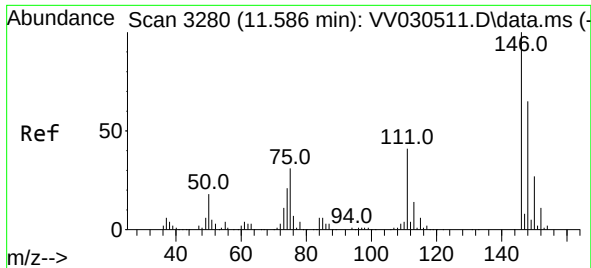
Tgt Ion:146 Resp: 114557
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.0 50.2
 148 65.0 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 4.929 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VV030531.D
 Acq: 12 Apr 2023 20:37

Tgt Ion:146 Resp: 115862
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.0 48.4
 148 61.9 45.2 84.0

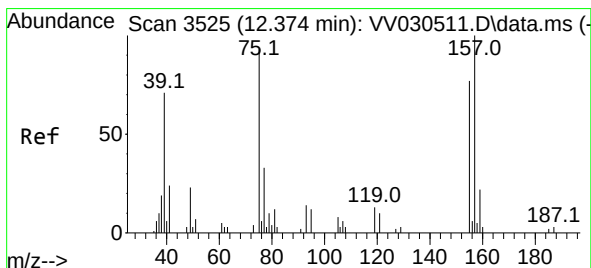
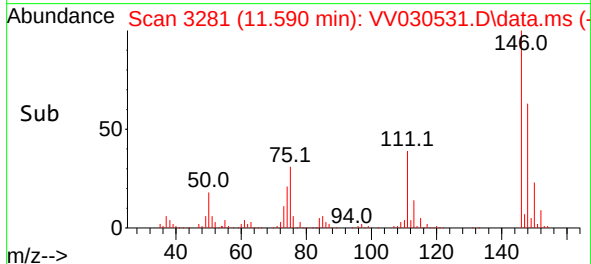
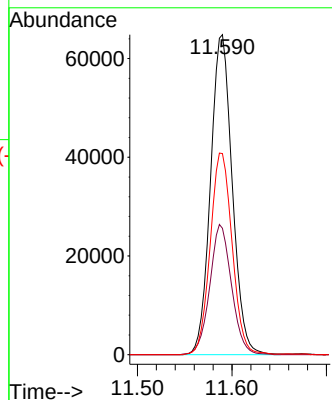
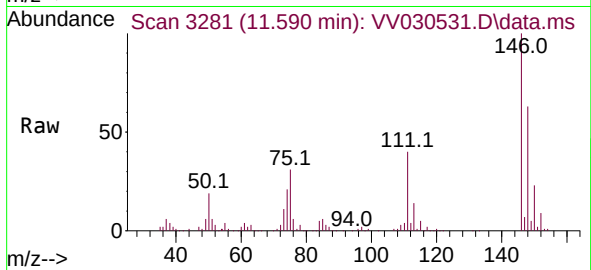




#67
1,2-Dichlorobenzene
Concen: 4.920 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

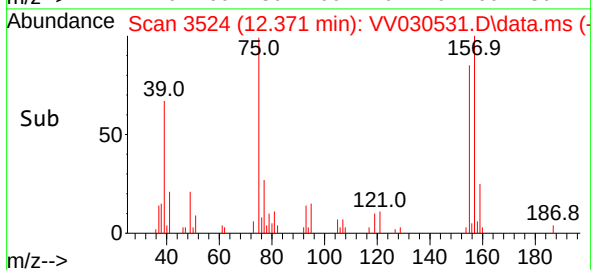
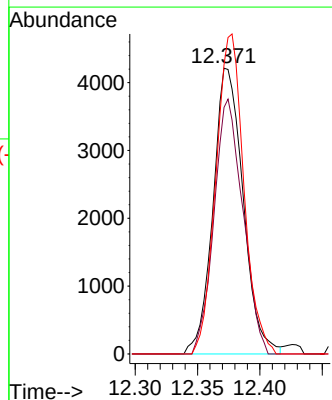
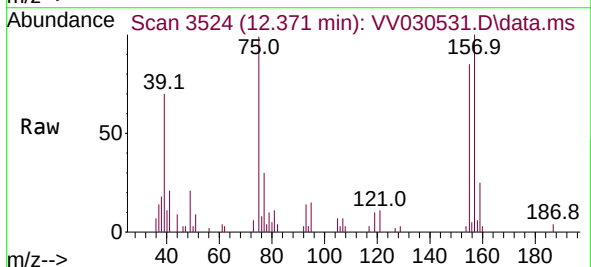
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

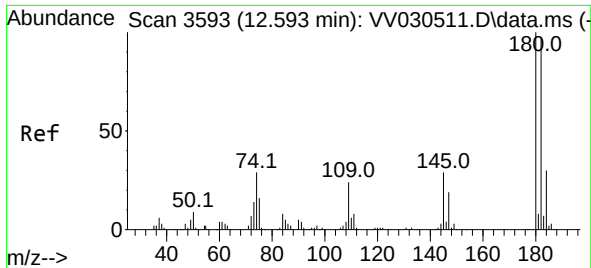
Tgt Ion:146 Resp: 103445
Ion Ratio Lower Upper
146 100
111 39.5 33.1 49.7
148 62.8 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 5.009 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.003 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

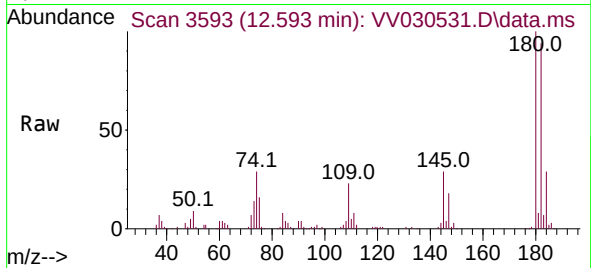
Tgt Ion: 75 Resp: 7067
Ion Ratio Lower Upper
75 100
155 86.3 64.6 96.8
157 101.3 83.8 125.6



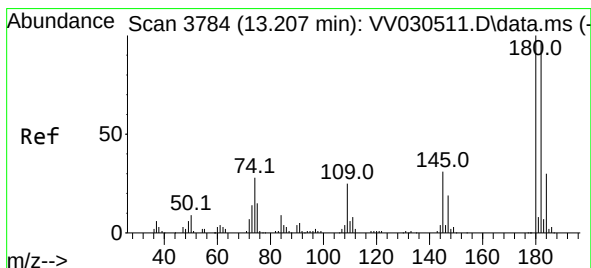
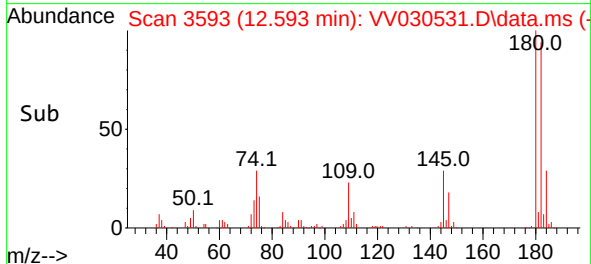
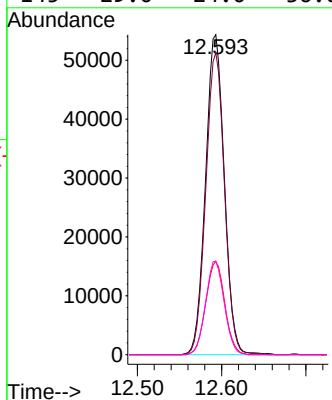


#69
1,3,5-Trichlorobenzene
Concen: 4.703 ug/L
RT: 12.593 min Scan# 3593
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

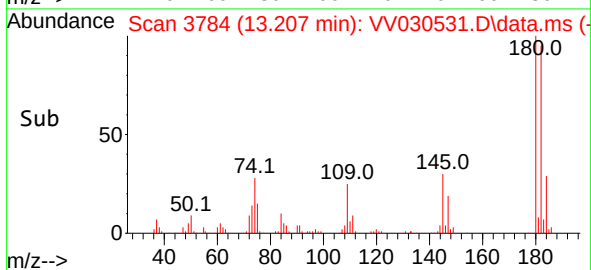
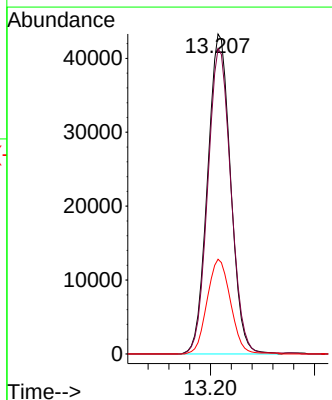
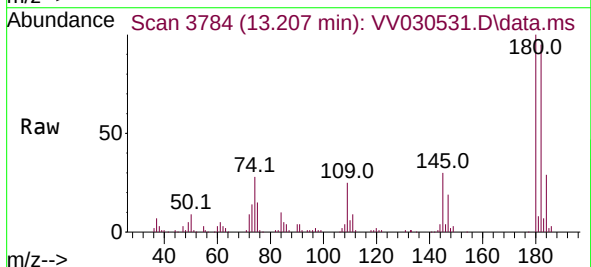


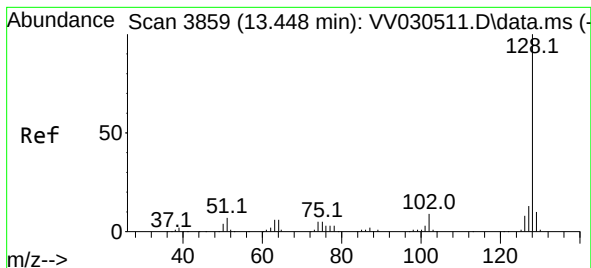
Tgt Ion:180 Resp: 84476
Ion Ratio Lower Upper
180 100
182 93.6 76.5 114.7
184 29.4 24.0 36.0
145 29.0 24.0 36.0



#70
1,2,4-trichlorobenzene
Concen: 4.788 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.000 min
Lab File: VV030531.D
Acq: 12 Apr 2023 20:37

Tgt Ion:180 Resp: 66408
Ion Ratio Lower Upper
180 100
182 96.1 75.3 112.9
145 30.1 23.8 35.6





#71

Naphthalene

Concen: 5.006 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

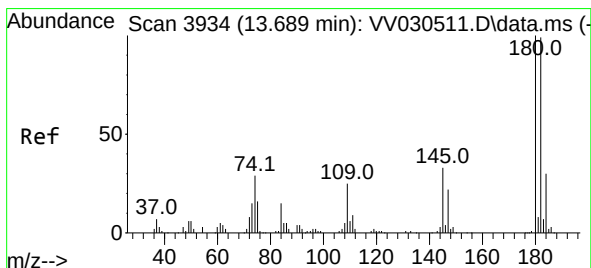
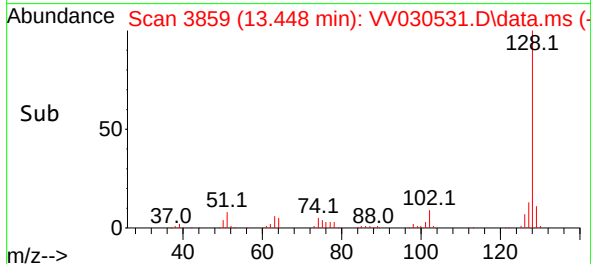
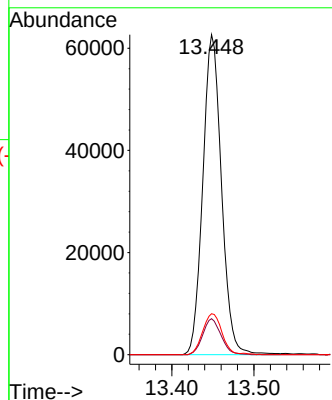
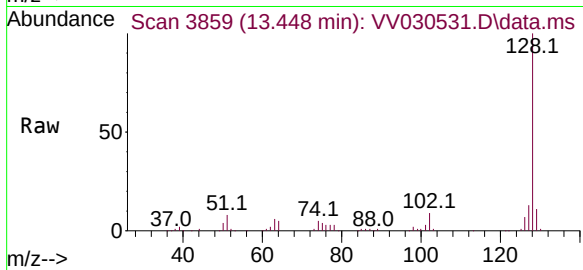
Tgt Ion:128 Resp: 99160

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.1 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.955 ug/L

RT: 13.690 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030531.D

Acq: 12 Apr 2023 20:37

Tgt Ion:180 Resp: 59538

Ion Ratio Lower Upper

180 100

182 96.2 76.6 115.0

145 31.2 25.0 37.4

