

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032123\
 Data File : VW030288.D
 Acq On : 21 Mar 2023 19:48
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005311

Quant Time: Mar 22 06:09:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 22 06:04:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	121091	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	115031	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	66052	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	43643	5.570	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.400%
7) Chloroethane-d5	1.539	69	39281	5.341	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.800%
11) 1,1-Dichloroethene-d2	2.066	63	92291	5.729	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.600%
20) 2-Butanone-d5	3.818	46	79917	55.322	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.640%
24) Chloroform-d	4.262	84	88795	5.548	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.000%
26) 1,2-Dichloroethane-d4	4.953	65	44158	6.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.200%#
32) Benzene-d6	4.970	84	160786	5.195	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	5.998	67	43969	4.722	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.252	98	158453	5.401	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
43) trans-1,3-Dichloroprop...	7.561	79	17768	5.577	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.600%
46) 2-Hexanone-d5	8.034	63	68365	51.870	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.740%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	32627	4.925	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	11.571	152	58368	5.223	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	41031	4.165	ug/L	100
3) Chloromethane	1.217	50	55137	3.551	ug/L	99
5) Vinyl chloride	1.285	62	43738	4.239	ug/L	100
6) Bromomethane	1.494	94	11810	6.377	ug/L	96
8) Chloroethane	1.555	64	27424	4.362	ug/L	99
9) Trichlorofluoromethane	1.719	101	80855	5.462	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	42397	4.618	ug/L	94
12) 1,1-Dichloroethene	2.076	96	35945	4.423	ug/L #	76
13) Acetone	2.147	43	58113	54.428	ug/L	65
14) Carbon disulfide	2.246	76	70585	3.246	ug/L	99
15) Methyl Acetate	2.391	43	11441	4.588	ug/L	100
16) Methylene chloride	2.455	84	36519	3.678	ug/L	96
17) Methyl tert-butyl Ether	2.716	73	79330	4.992	ug/L #	95
18) trans-1,2-Dichloroethene	2.700	96	31956	4.134	ug/L	94
19) 1,1-Dichloroethane	3.121	63	66081	4.589	ug/L	98
21) 2-Butanone	3.902	43	73157	50.948	ug/L	95
22) cis-1,2-Dichloroethene	3.828	96	37863	4.431	ug/L	98
23) Bromochloromethane	4.163	128	17285	4.734	ug/L	94
25) Chloroform	4.288	83	75750	5.056	ug/L	100

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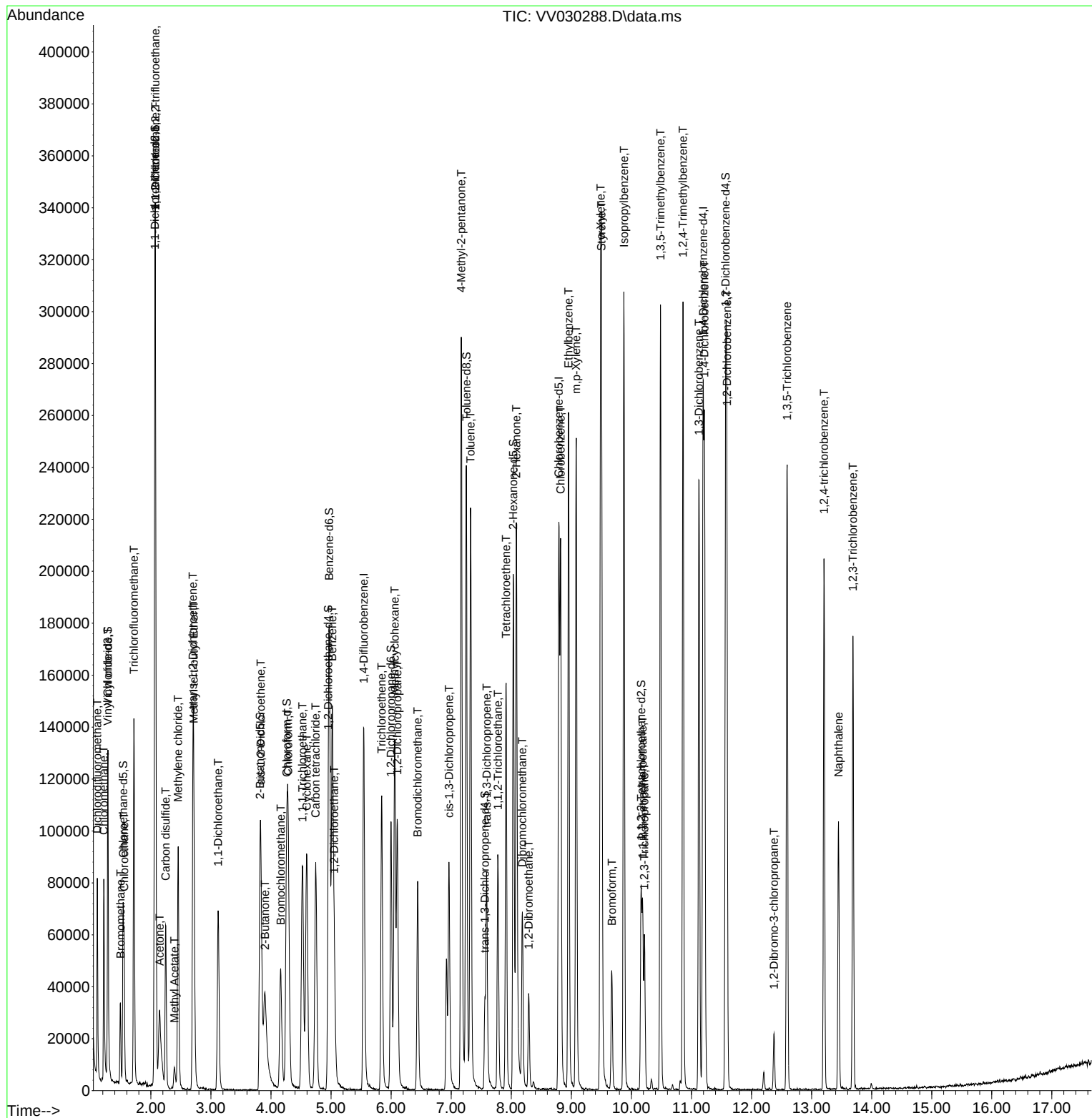
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	47990	6.124	ug/L #	91
29) 1,1,1-Trichloroethane	4.526	97	72667	5.378	ug/L	96
30) Cyclohexane	4.597	56	45510	3.898	ug/L	97
31) Carbon tetrachloride	4.745	117	63826	5.255	ug/L	98
33) Benzene	5.021	78	141989	4.520	ug/L	100
34) Trichloroethene	5.841	95	37061	4.210	ug/L	99
35) Methylcyclohexane	6.060	83	52169	3.916	ug/L	97
37) 1,2-Dichloropropane	6.101	63	35574	4.451	ug/L	99
38) Bromodichloromethane	6.442	83	51846	5.081	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	52184	4.460	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	192094	58.245	ug/L	91
42) Toluene	7.323	91	161585	4.749	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	45549	4.987	ug/L	100
45) 1,1,2-Trichloroethane	7.777	97	27246	4.764	ug/L	96
47) Tetrachloroethene	7.915	164	34951	4.625	ug/L	96
48) 2-Hexanone	8.085	43	137536	58.252	ug/L	93
49) Dibromochloromethane	8.185	129	33539	5.012	ug/L	99
50) 1,2-Dibromoethane	8.291	107	23232	4.354	ug/L	93
51) Chlorobenzene	8.822	112	106659	4.648	ug/L	99
52) Ethylbenzene	8.953	91	178515	4.821	ug/L	99
53) m,p-Xylene	9.082	106	69988	4.918	ug/L	99
54) o-Xylene	9.487	106	66752	4.910	ug/L	99
55) Styrene	9.503	104	119312	5.278	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	29838	4.664	ug/L	99
59) Bromoform	9.674	173	21147	5.342	ug/L	98
60) Isopropylbenzene	9.876	105	187689	4.938	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	21839	4.940	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	155552	4.983	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	160517	5.026	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	94570	4.779	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	94393	4.728	ug/L	97
67) 1,2-Dichlorobenzene	11.590	146	85712	4.905	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	5446	5.516	ug/L	86
69) 1,3,5-Trichlorobenzene	12.593	180	75625	4.649	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	60935	4.624	ug/L	96
71) Naphthalene	13.448	128	82112	4.768	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	49935	4.603	ug/L	97

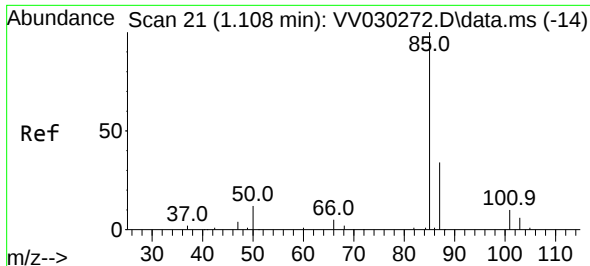
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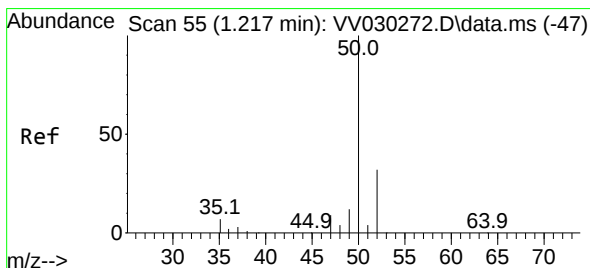
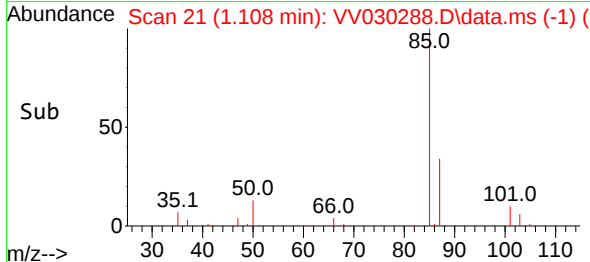
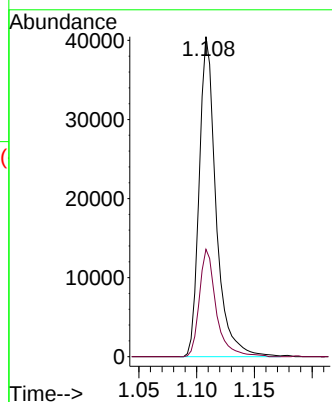
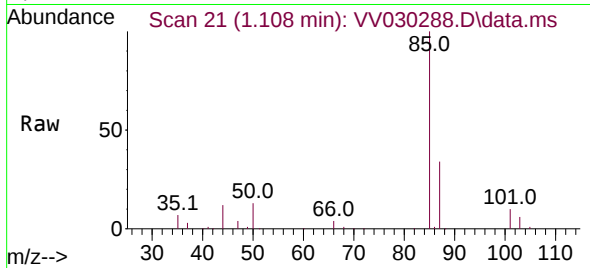




#2
 Dichlorodifluoromethane
 Concen: 4.165 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

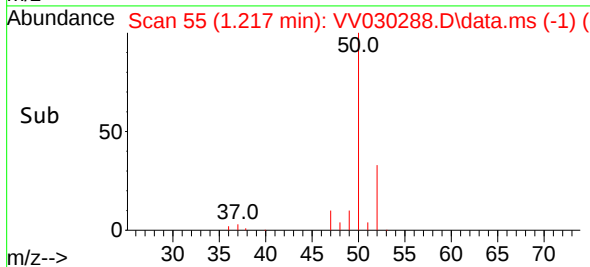
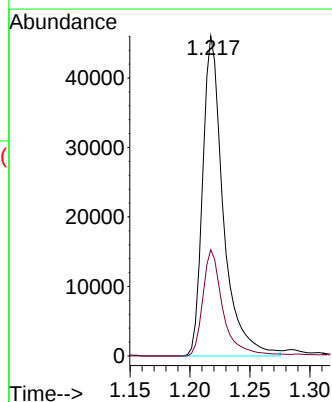
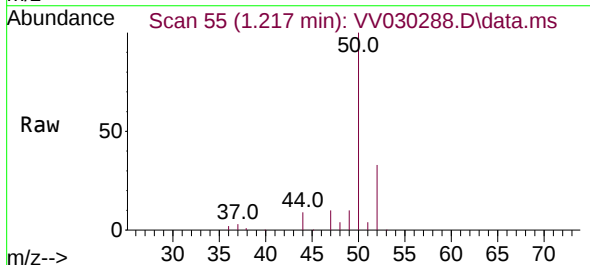
Instrument :
 MSVOA_V
 ClientSampleId :
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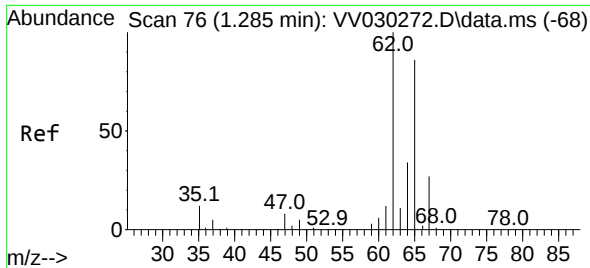
Tgt Ion: 85 Resp: 41031
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.6 39.8



#3
 Chloromethane
 Concen: 3.551 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

Tgt Ion: 50 Resp: 55137
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.6 43.8

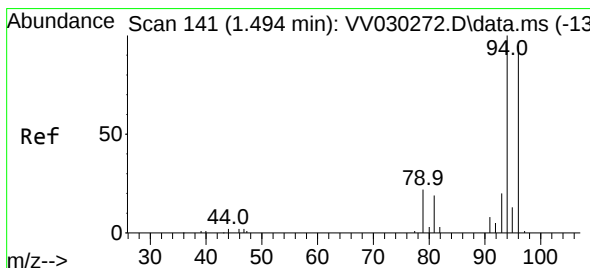
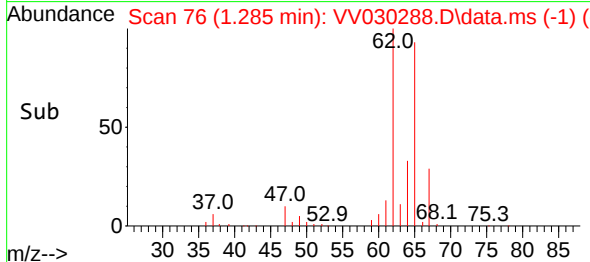
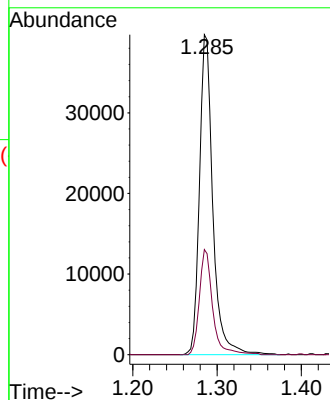
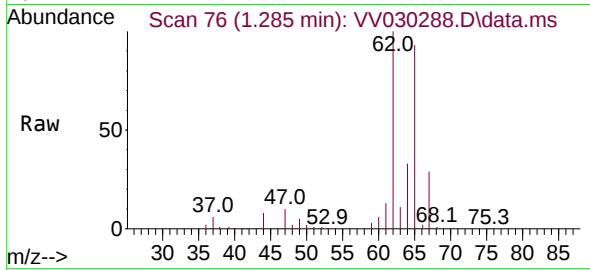




#5
 Vinyl chloride
 Concen: 4.239 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

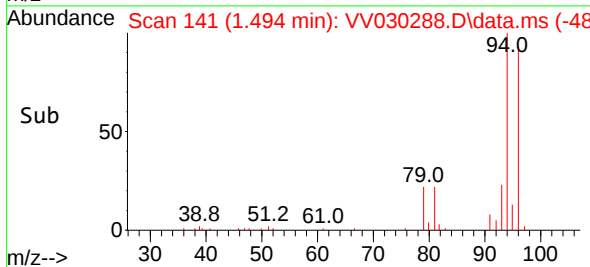
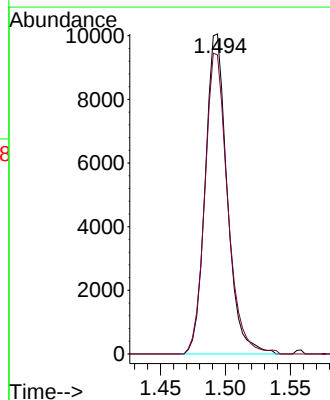
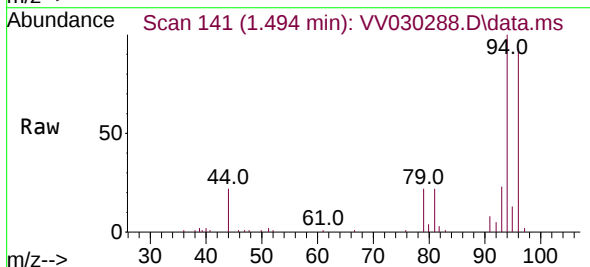
Instrument :
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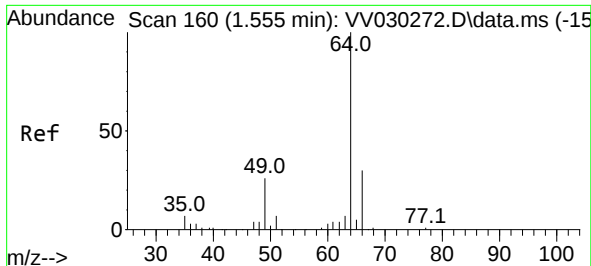
Tgt Ion: 62 Resp: 43738
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.1 42.9



#6
 Bromomethane
 Concen: 6.377 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

Tgt Ion: 94 Resp: 11810
 Ion Ratio Lower Upper
 94 100
 96 93.4 68.4 127.0

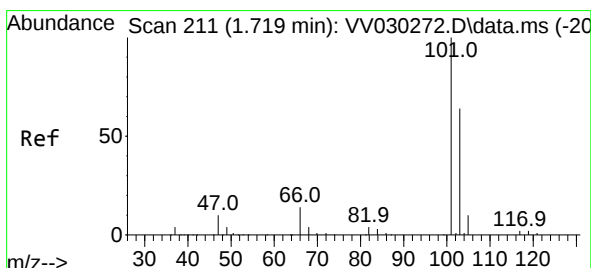
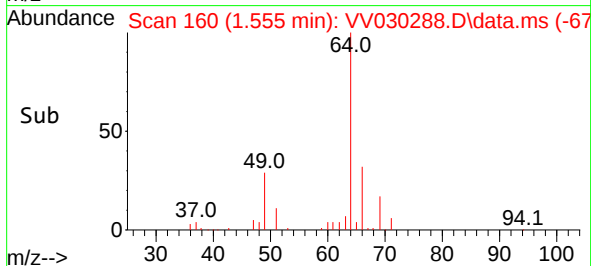
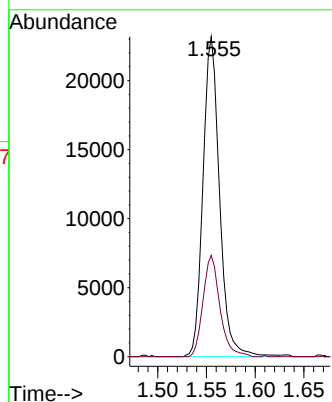
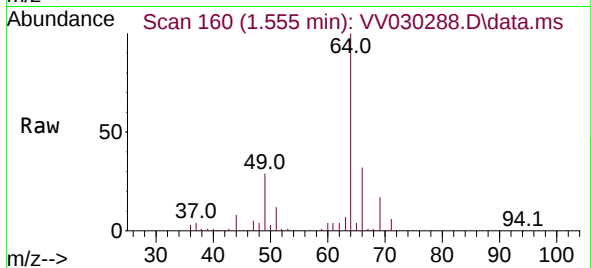




#8
Chloroethane
Concen: 4.362 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

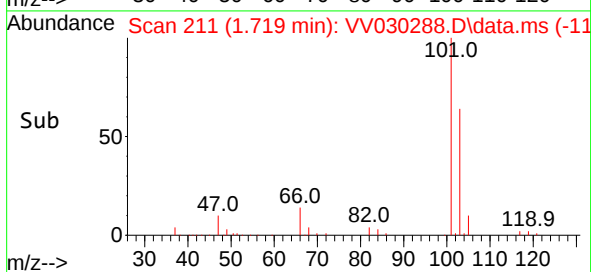
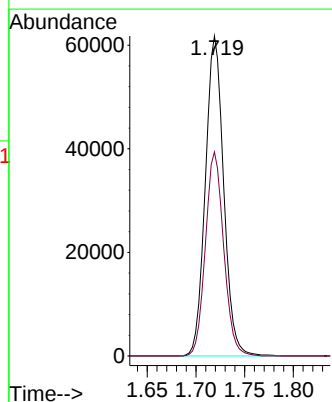
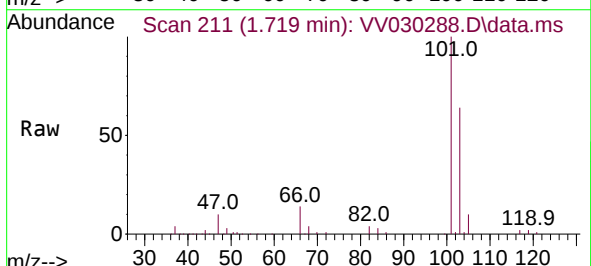
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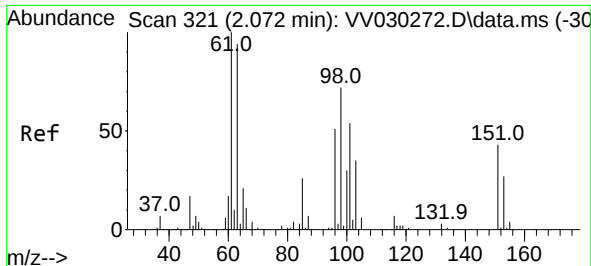
Tgt Ion: 64 Resp: 27424
Ion Ratio Lower Upper
64 100
66 31.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.462 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion:101 Resp: 80855
Ion Ratio Lower Upper
101 100
103 63.5 52.7 79.1

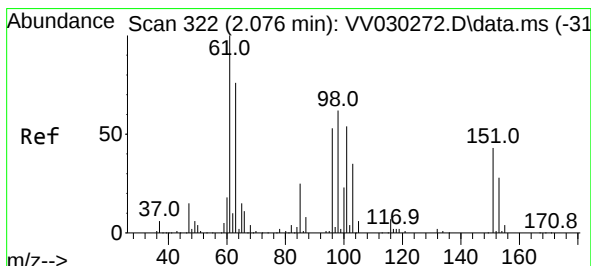
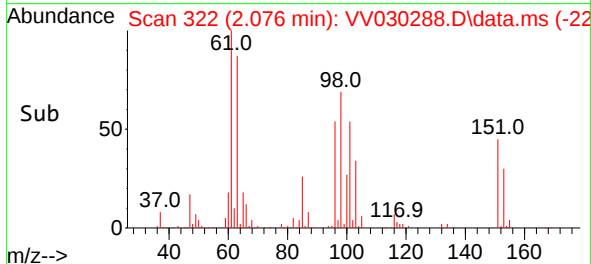
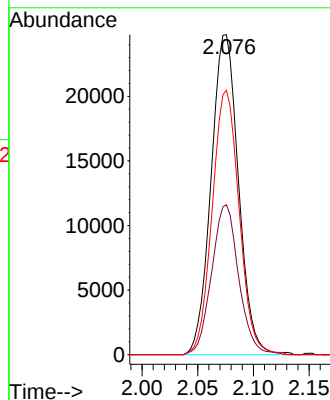
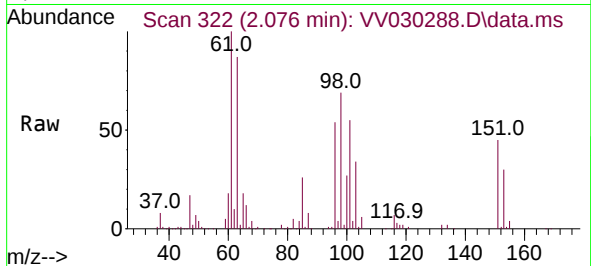




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.618 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

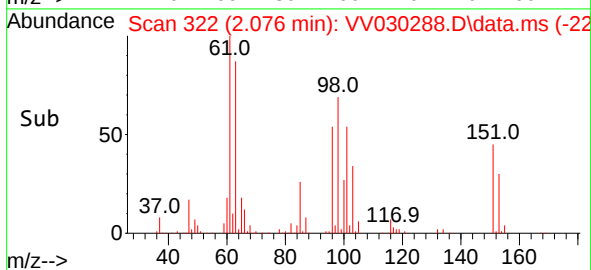
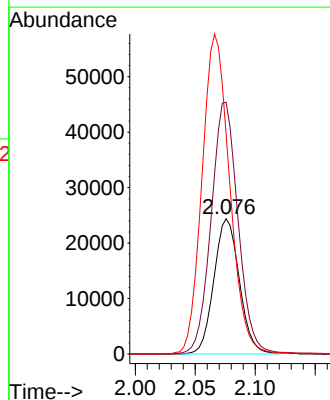
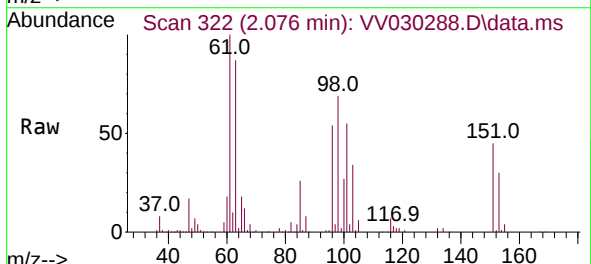
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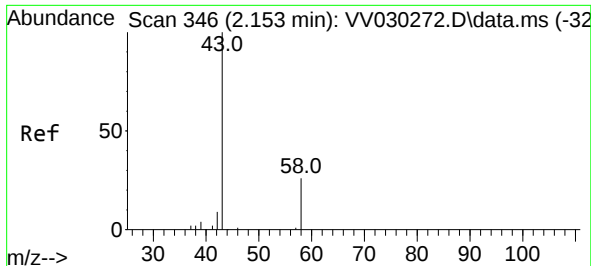
Tgt Ion:101 Resp: 42397
 Ion Ratio Lower Upper
 101 100
 85 46.2 33.5 50.3
 151 81.3 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.423 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

Tgt Ion: 96 Resp: 35945
 Ion Ratio Lower Upper
 96 100
 61 186.2 115.6 214.6
 63 162.5 85.6 159.0#





#13

Acetone

Concen: 54.428 ug/L

RT: 2.147 min Scan# 34

Delta R.T. -0.006 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

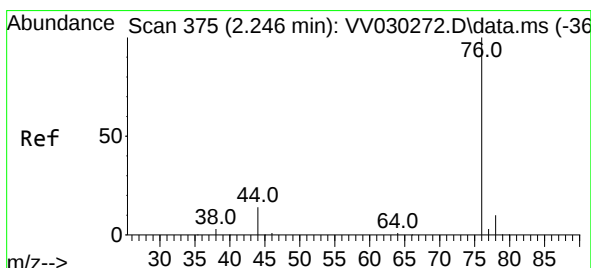
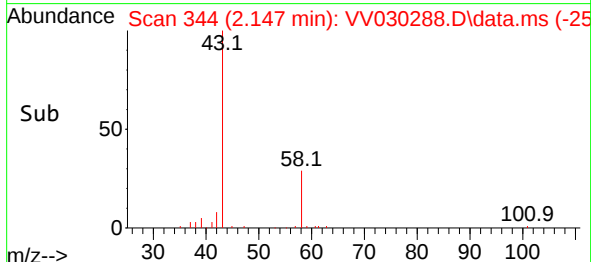
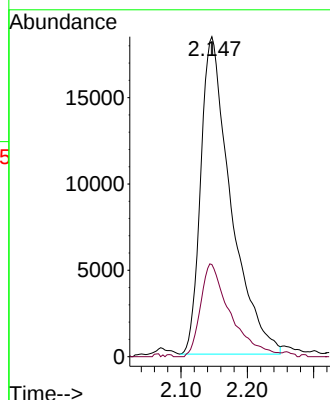
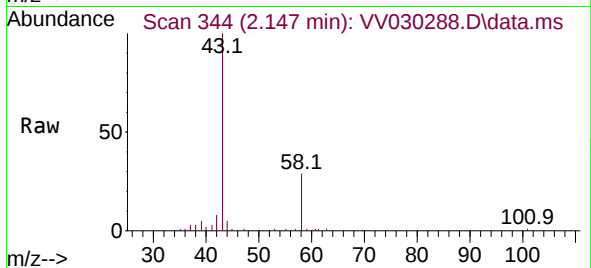
VSTD005311

Tgt Ion: 43 Resp: 58113

Ion Ratio Lower Upper

43 100

58 29.0 0.0 29.4



#14

Carbon disulfide

Concen: 3.246 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

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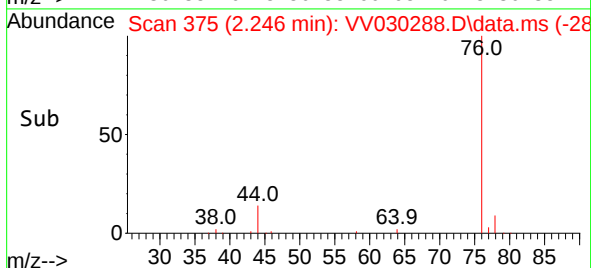
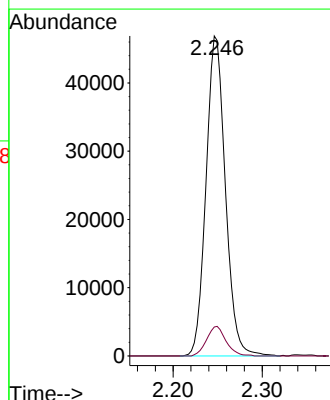
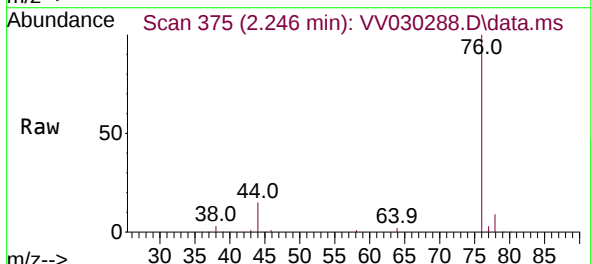
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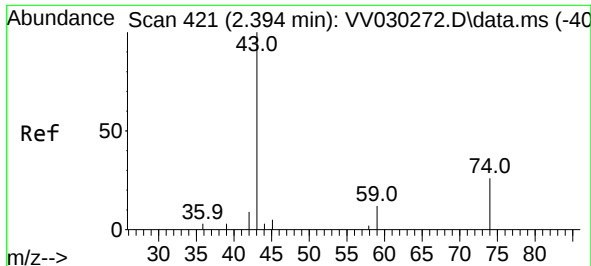
Tgt Ion: 76 Resp: 70585

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

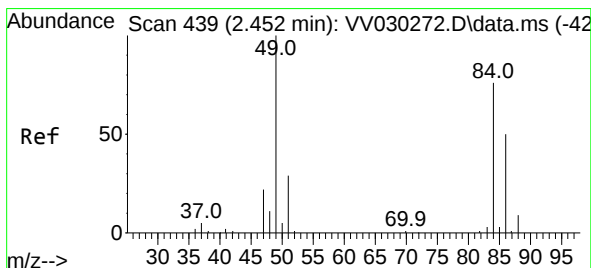
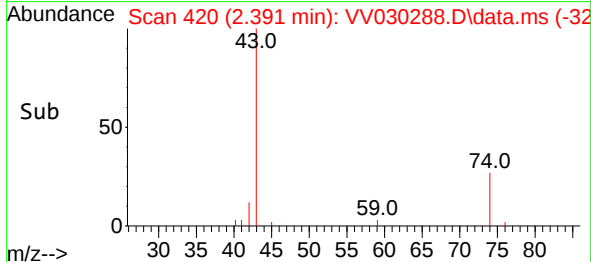
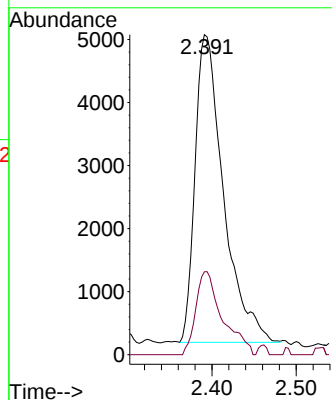
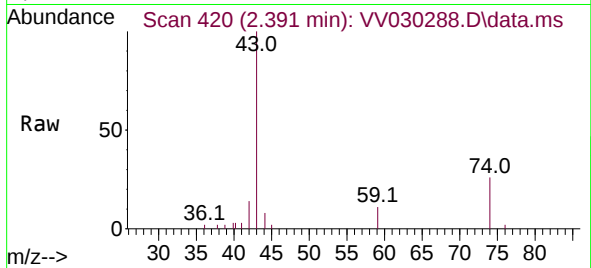




#15
Methyl Acetate
Concen: 4.588 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

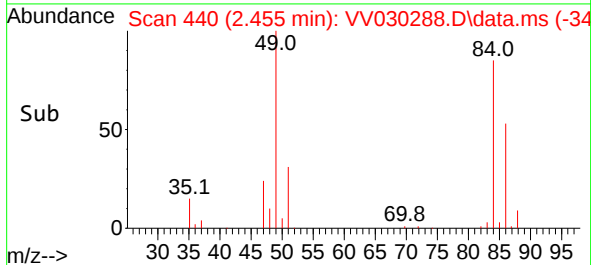
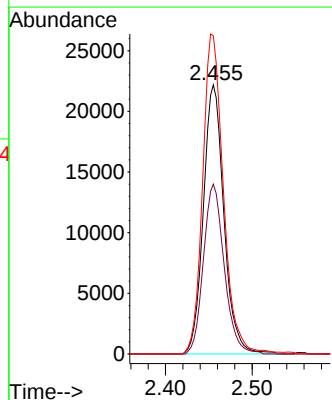
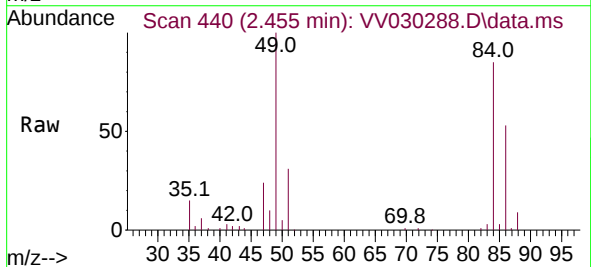
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

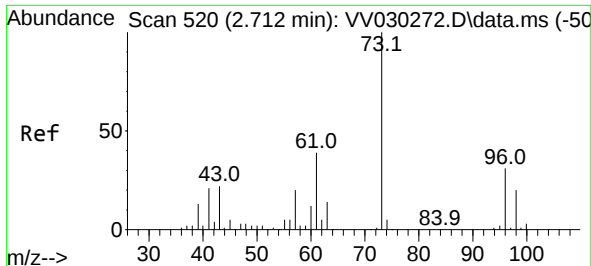
Tgt Ion: 43 Resp: 11441
Ion Ratio Lower Upper
43 100
74 25.2 20.1 30.1



#16
Methylene chloride
Concen: 3.678 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 84 Resp: 36519
Ion Ratio Lower Upper
84 100
86 63.1 44.7 83.1
49 118.3 78.8 146.3

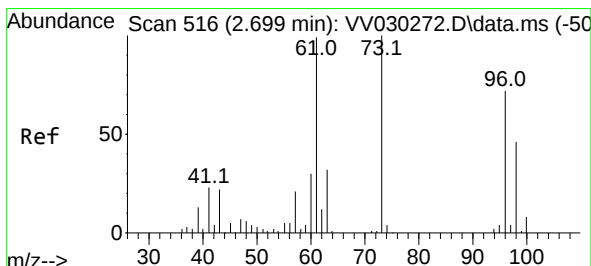
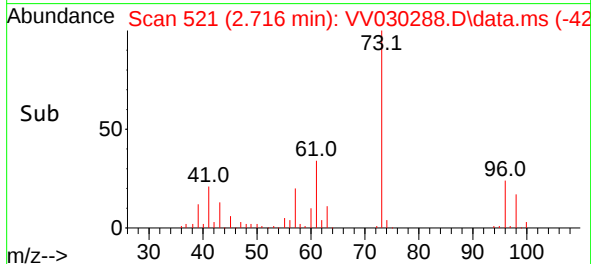
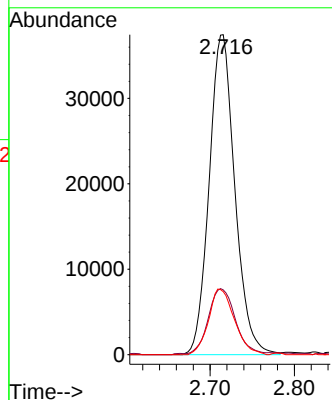
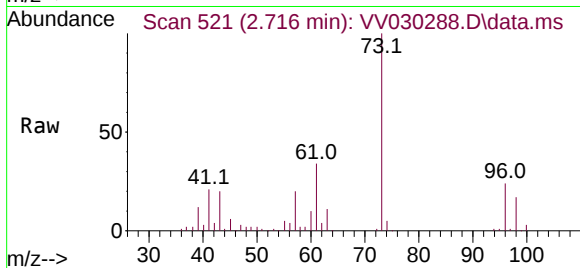




#17
Methyl tert-butyl Ether
Concen: 4.992 ug/L
RT: 2.716 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

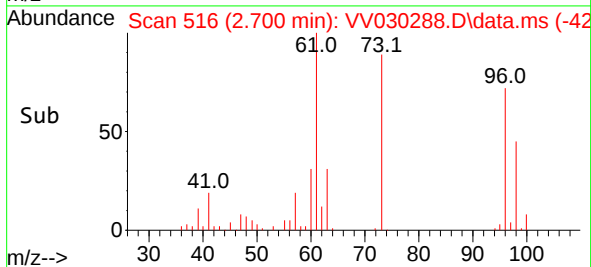
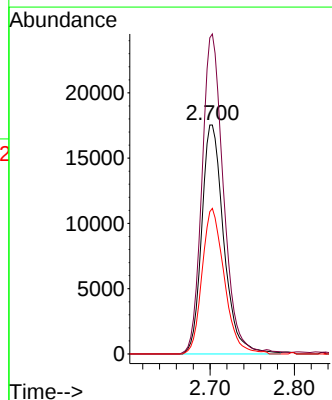
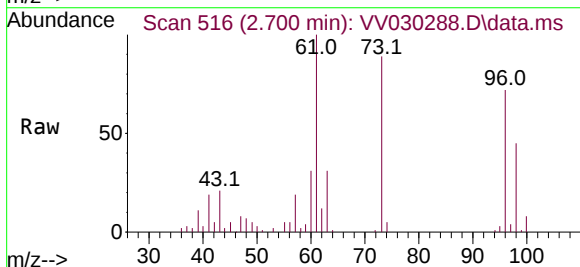
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

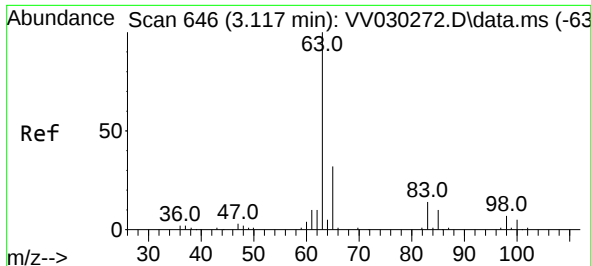
Tgt Ion: 73 Resp: 79330
Ion Ratio Lower Upper
73 100
43 21.2 13.4 20.2#
57 20.7 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.134 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 96 Resp: 31956
Ion Ratio Lower Upper
96 100
61 138.0 91.0 169.0
98 62.1 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.589 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005311

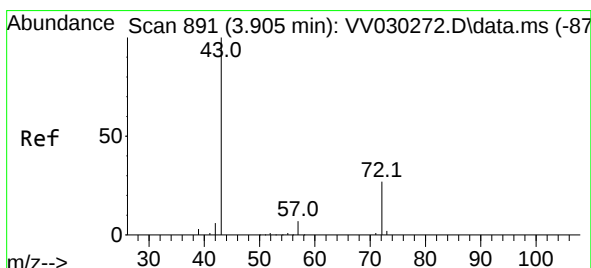
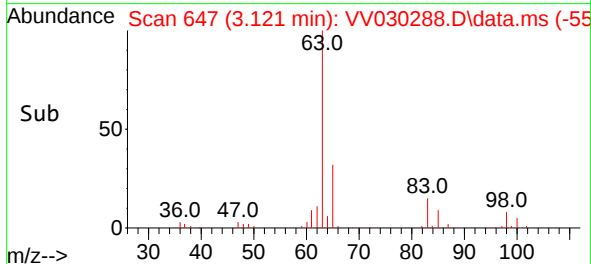
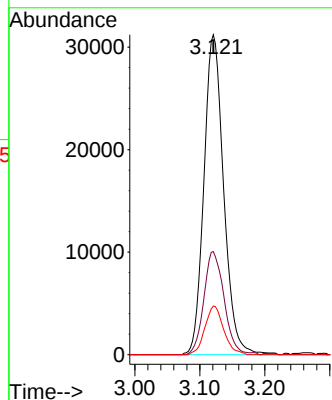
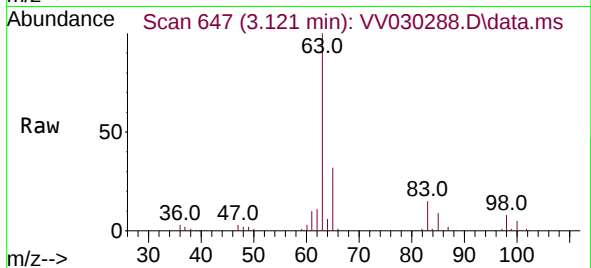
Tgt Ion: 63 Resp: 66081

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.8

83 15.2 9.6 17.8



#21

2-Butanone

Concen: 50.948 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV030288.D

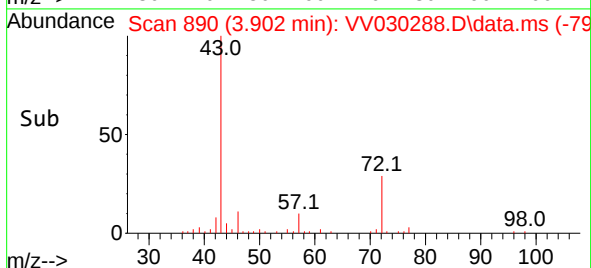
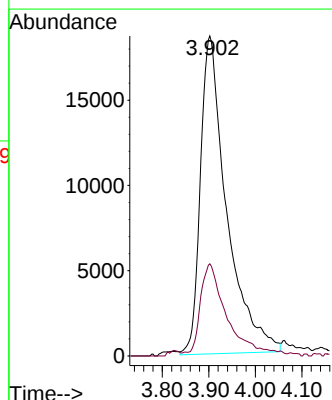
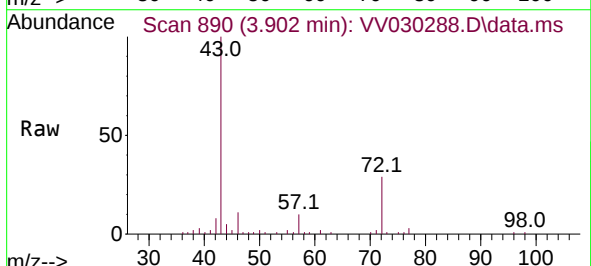
Acq: 21 Mar 2023 19:48

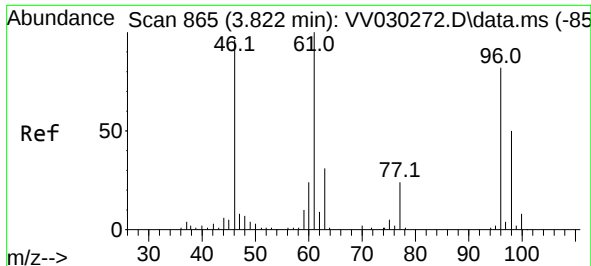
Tgt Ion: 43 Resp: 73157

Ion Ratio Lower Upper

43 100

72 27.4 15.1 45.3



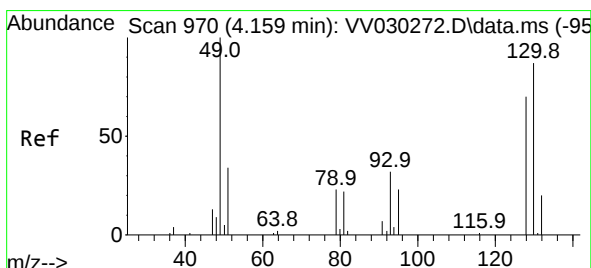
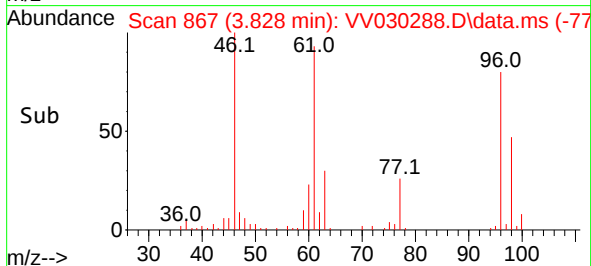
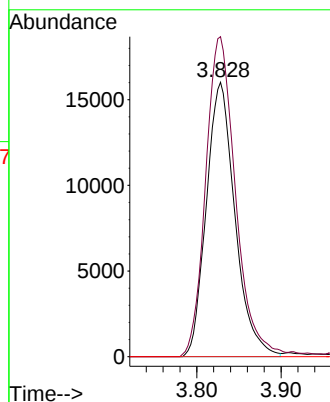
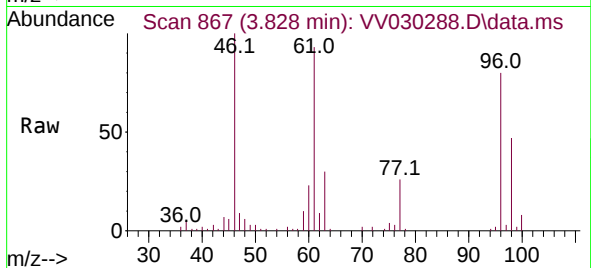


#22
 cis-1,2-Dichloroethene
 Concen: 4.431 ug/L
 RT: 3.828 min Scan# 865
 Delta R.T. 0.007 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005311

Tgt Ion: 96 Resp: 37863

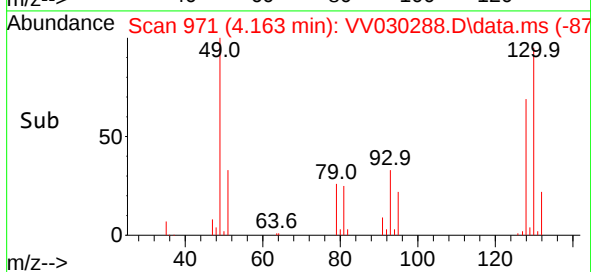
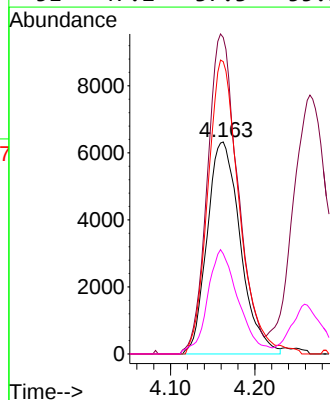
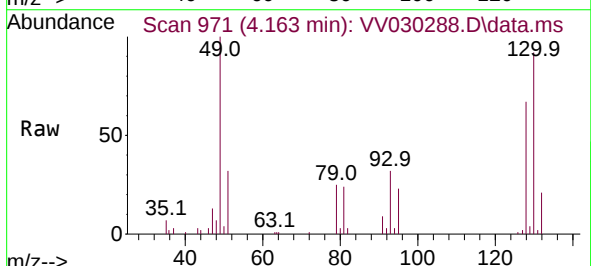
Ion	Ratio	Lower	Upper
96	100		
61	116.6	83.4	154.8
68	0.0	0.0	0.0

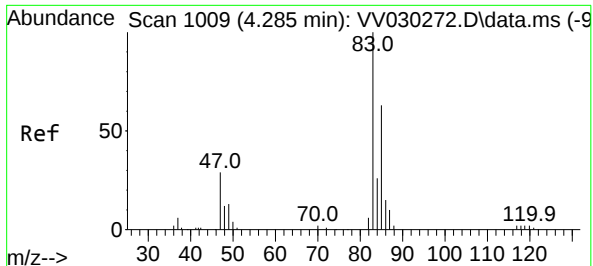


#23
 Bromochloromethane
 Concen: 4.734 ug/L
 RT: 4.163 min Scan# 971
 Delta R.T. 0.003 min
 Lab File: VV030288.D
 Acq: 21 Mar 2023 19:48

Tgt Ion: 128 Resp: 17285

Ion	Ratio	Lower	Upper
128	100		
49	149.3	99.5	184.9
130	137.8	90.5	168.1
51	47.2	37.3	55.9





#25

Chloroform

Concen: 5.056 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

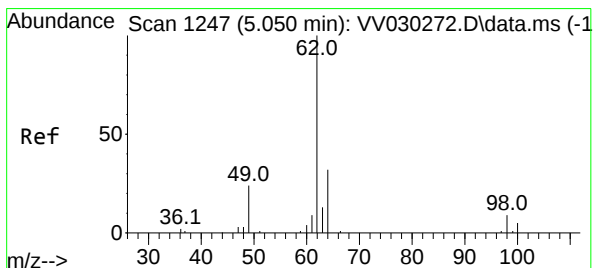
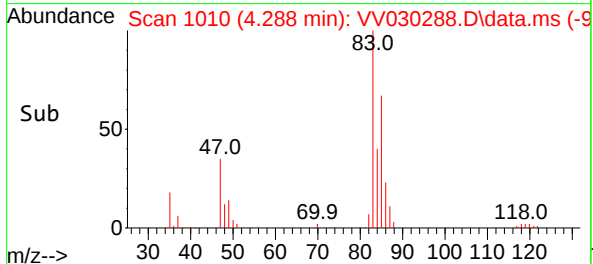
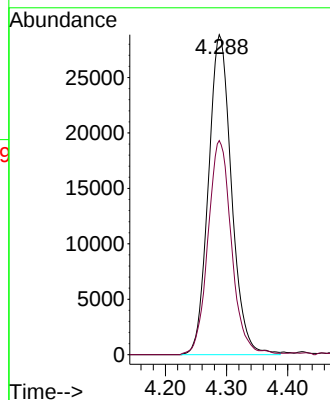
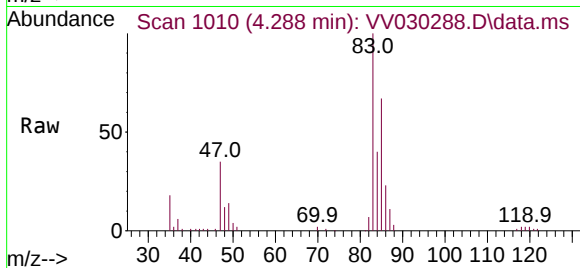
VSTD005311

Tgt Ion: 83 Resp: 75750

Ion Ratio Lower Upper

83 100

85 66.9 46.5 86.5



#27

1,2-Dichloroethane

Concen: 6.124 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030288.D

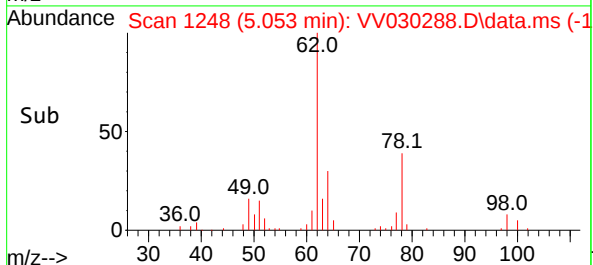
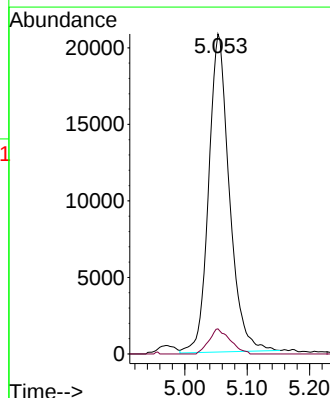
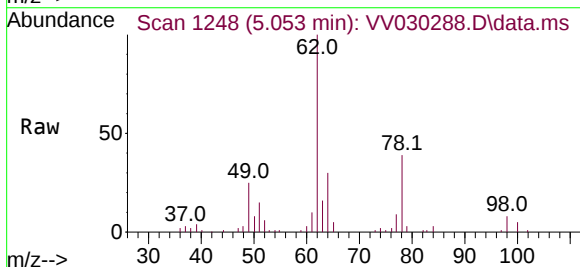
Acq: 21 Mar 2023 19:48

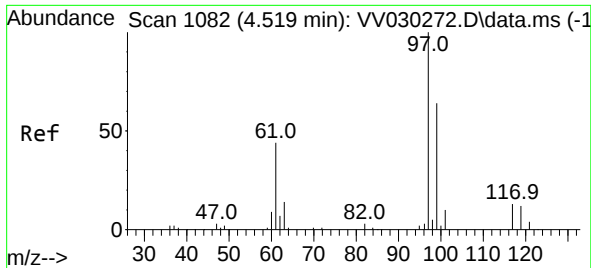
Tgt Ion: 62 Resp: 47990

Ion Ratio Lower Upper

62 100

98 7.8 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 5.378 ug/L

RT: 4.526 min Scan# 1106

Delta R.T. 0.007 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005311

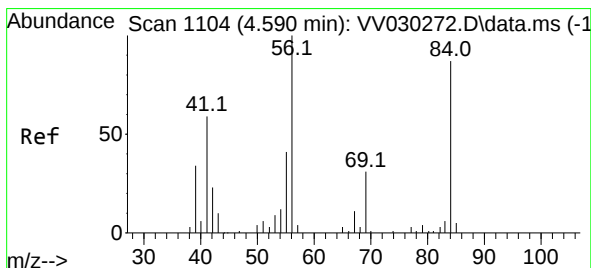
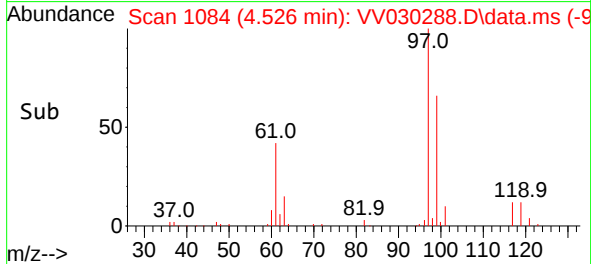
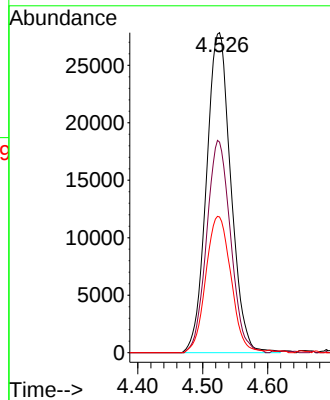
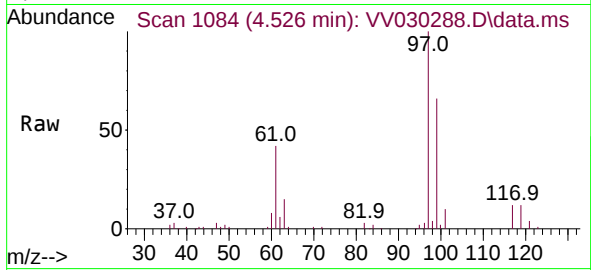
Tgt Ion: 97 Resp: 72667

Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 43.9 31.5 47.3



#30

Cyclohexane

Concen: 3.898 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. 0.007 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

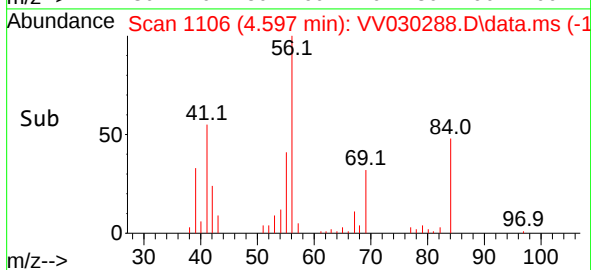
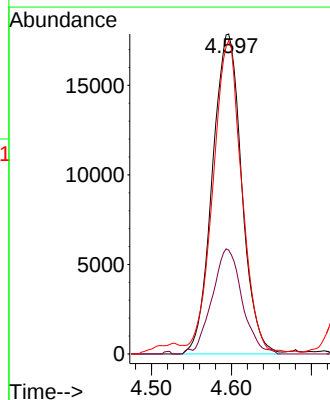
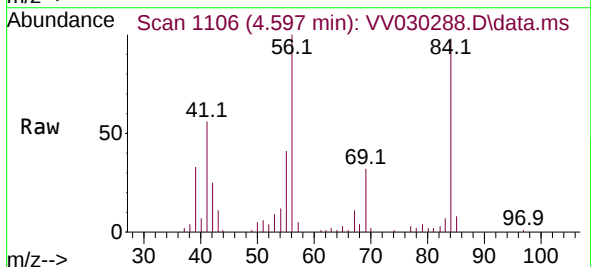
Tgt Ion: 56 Resp: 45510

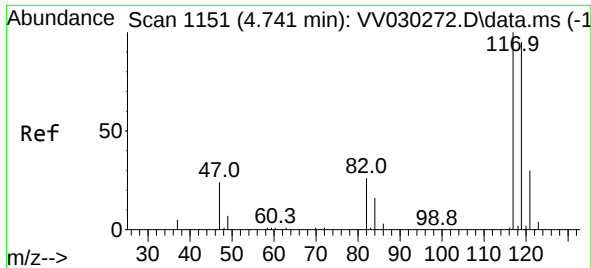
Ion Ratio Lower Upper

56 100

69 33.6 25.1 37.7

84 95.2 74.6 111.8

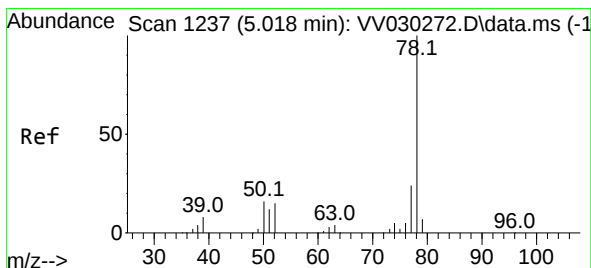
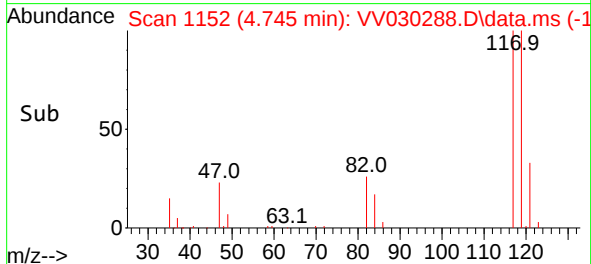
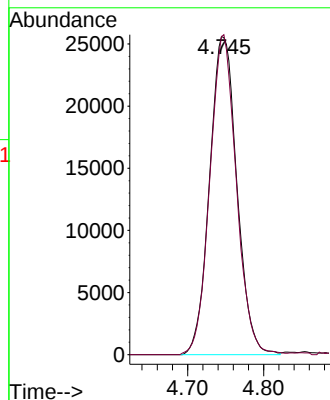
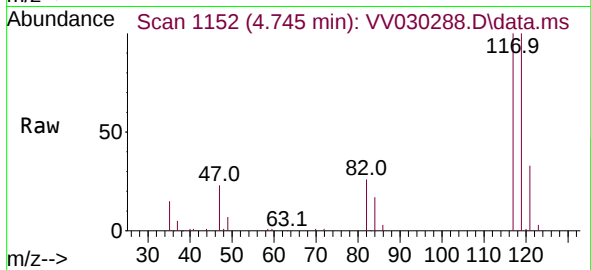




#31
Carbon tetrachloride
Concen: 5.255 ug/L
RT: 4.745 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

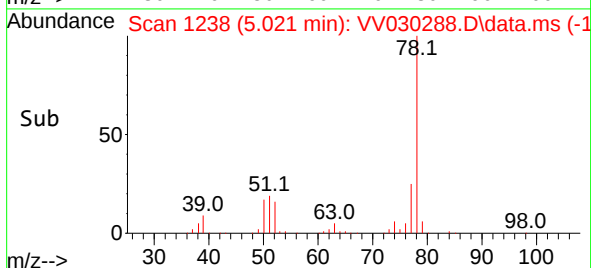
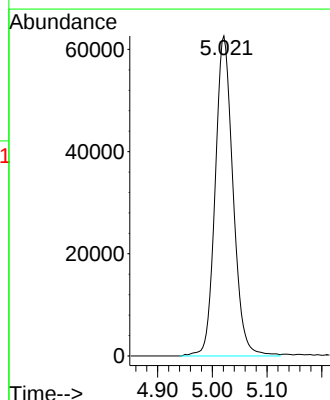
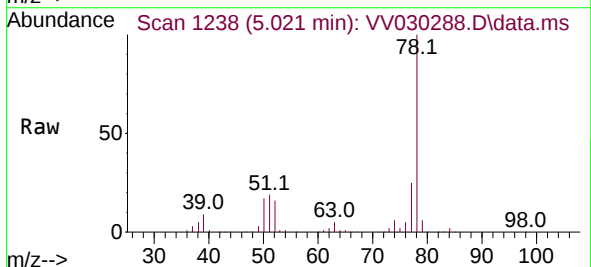
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

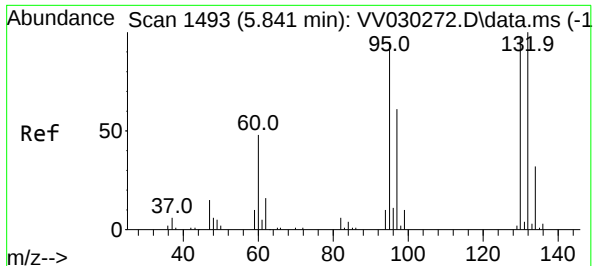
Tgt Ion:117 Resp: 63826
Ion Ratio Lower Upper
117 100
119 97.5 76.1 114.1



#33
Benzene
Concen: 4.520 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 78 Resp: 141989



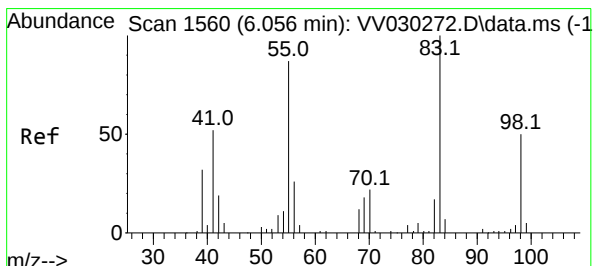
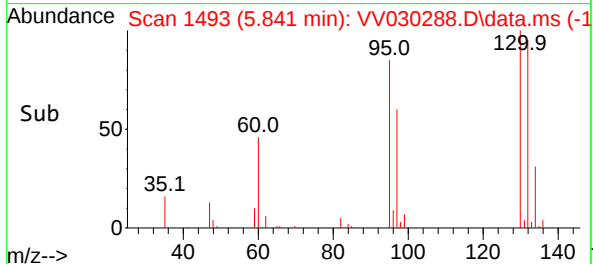
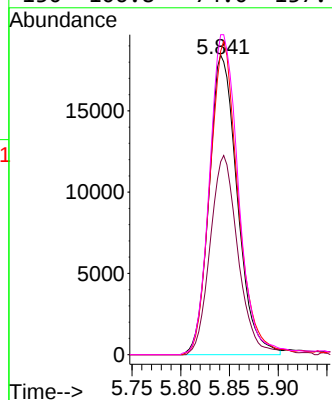
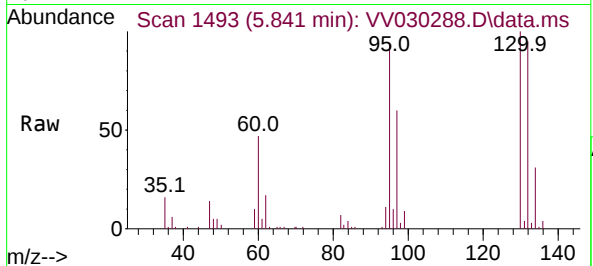


#34
Trichloroethene
Concen: 4.210 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

Tgt Ion: 95 Resp: 37061

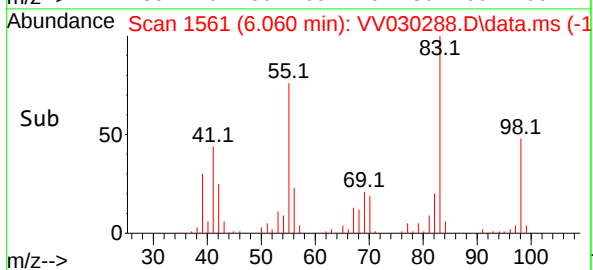
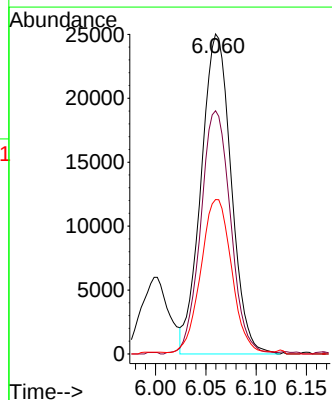
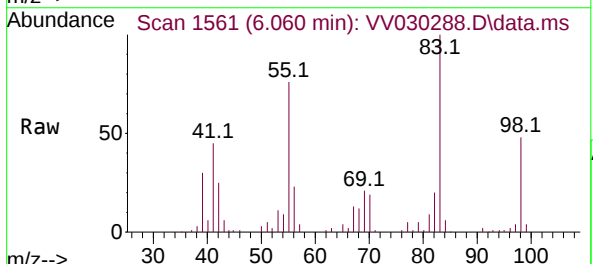
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.5	86.5
132	101.3	71.7	133.3
130	106.8	74.0	137.4

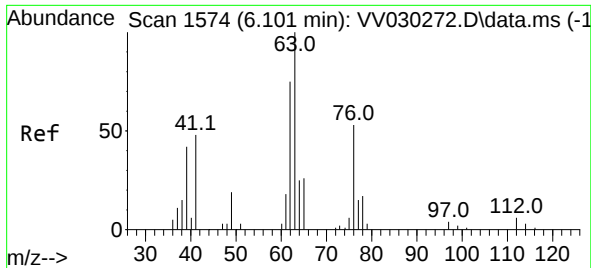


#35
Methylcyclohexane
Concen: 3.916 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 83 Resp: 52169

Ion	Ratio	Lower	Upper
83	100		
55	75.6	57.6	86.4
98	48.4	38.8	58.2





#37

1,2-Dichloropropane

Concen: 4.451 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

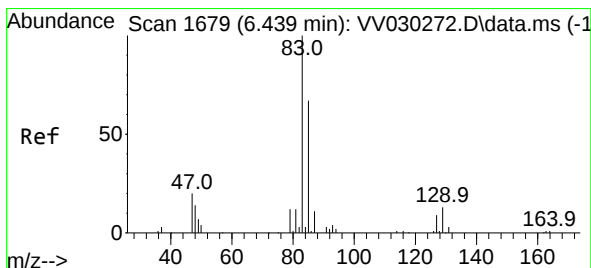
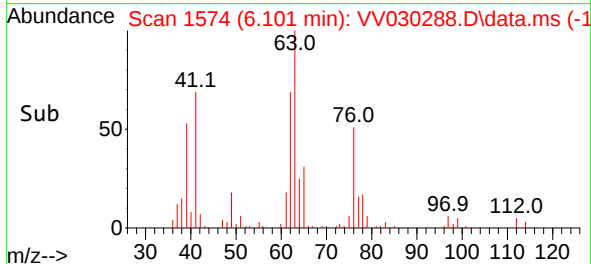
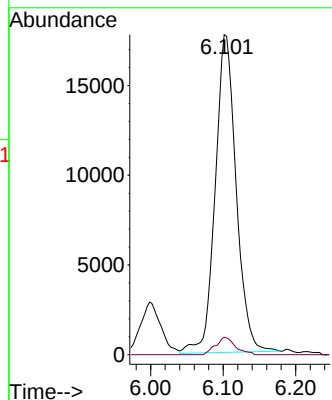
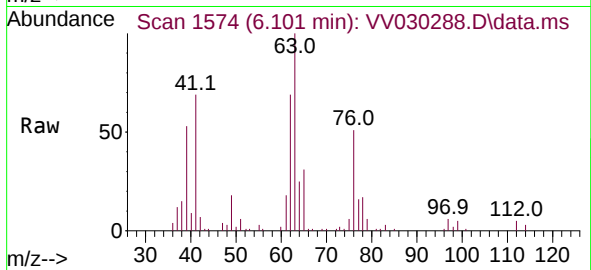
VSTD005311

Tgt Ion: 63 Resp: 35574

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.6



#38

Bromodichloromethane

Concen: 5.081 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

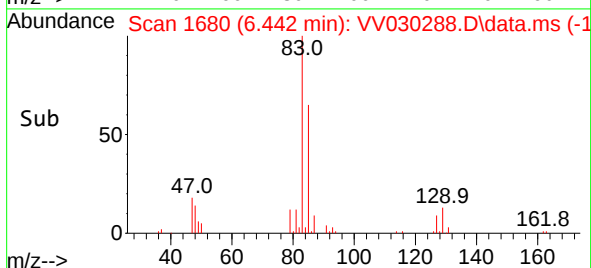
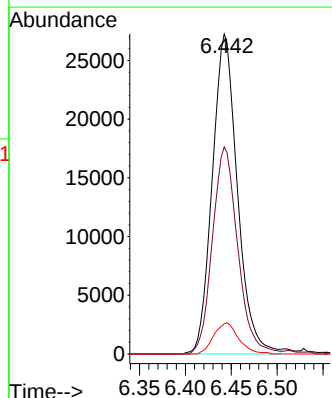
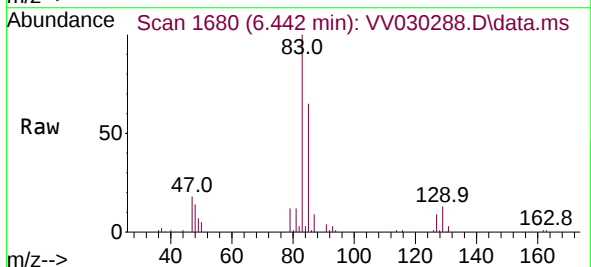
Tgt Ion: 83 Resp: 51846

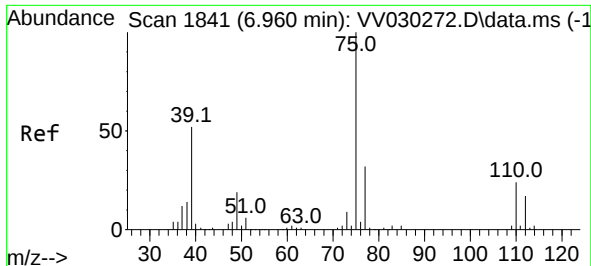
Ion Ratio Lower Upper

83 100

85 64.7 44.3 82.3

127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.460 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

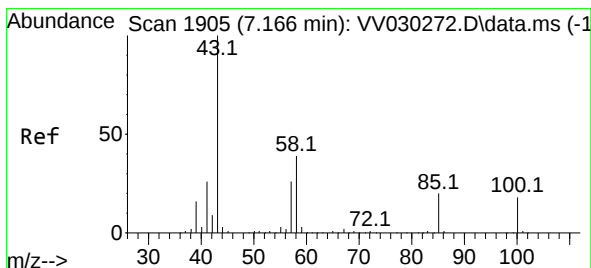
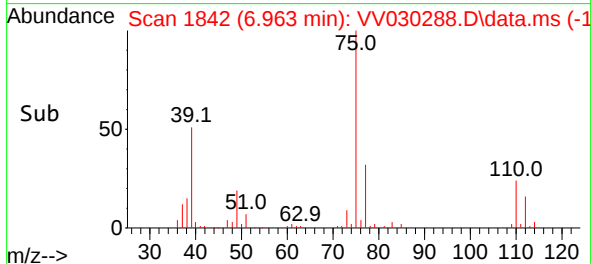
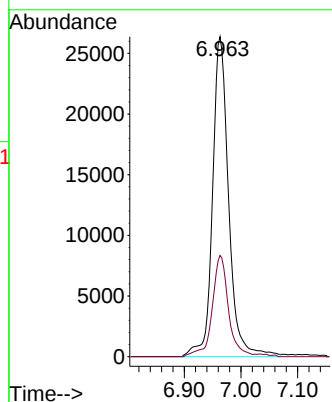
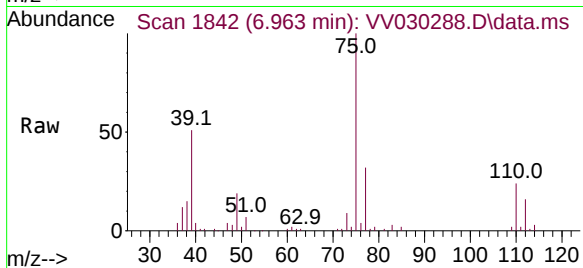
VSTD005311

Tgt Ion: 75 Resp: 52184

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 58.245 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

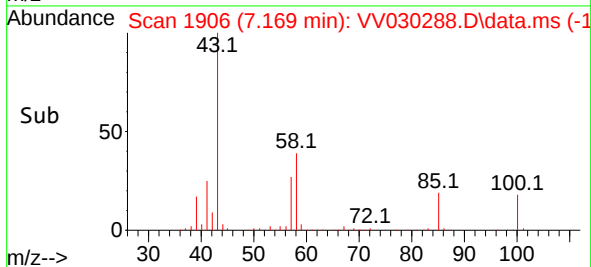
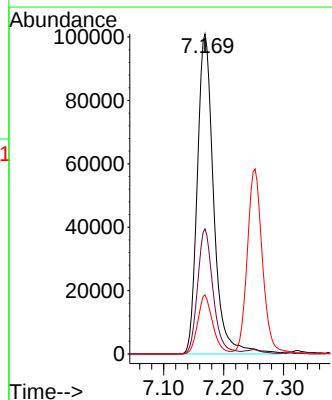
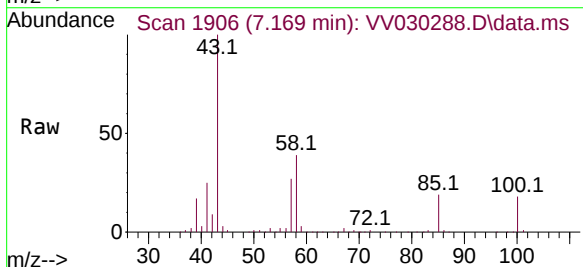
Tgt Ion: 43 Resp: 192094

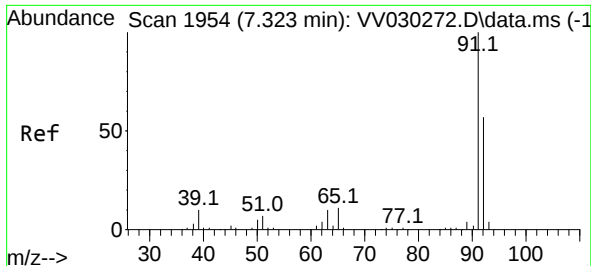
Ion Ratio Lower Upper

43 100

58 37.1 35.3 52.9

100 16.9 14.7 22.1





#42

Toluene

Concen: 4.749 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

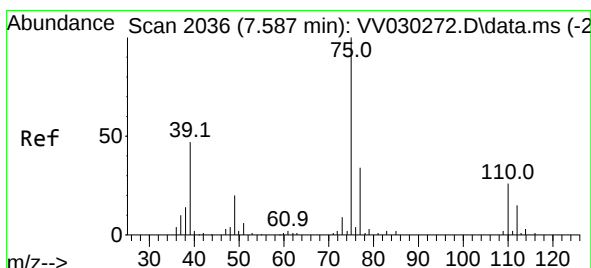
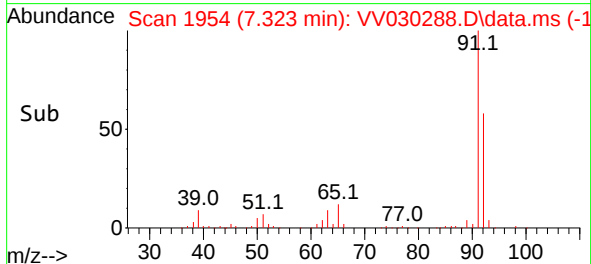
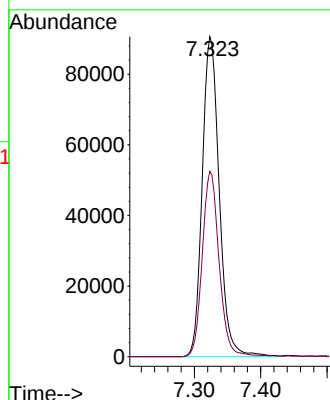
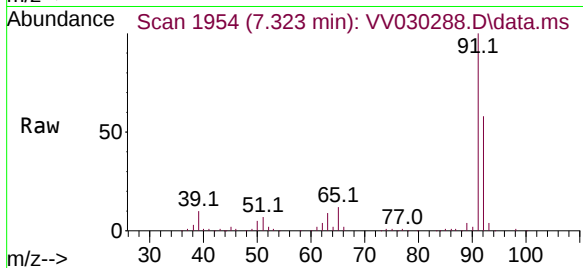
VSTD005311

Tgt Ion: 91 Resp: 161585

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.987 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030288.D

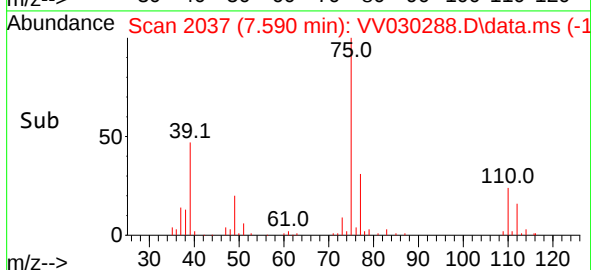
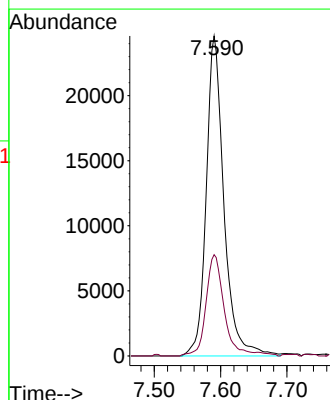
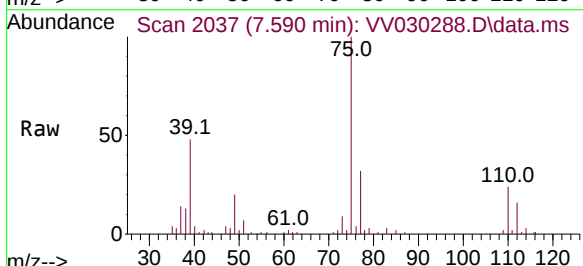
Acq: 21 Mar 2023 19:48

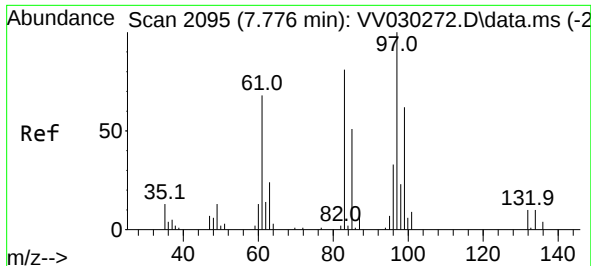
Tgt Ion: 75 Resp: 45549

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

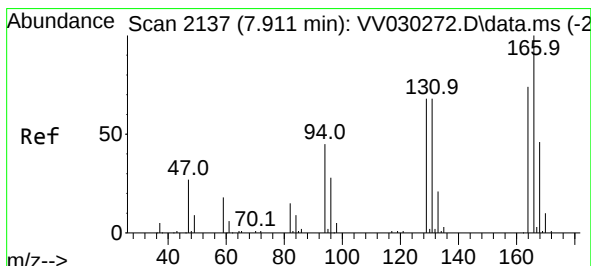
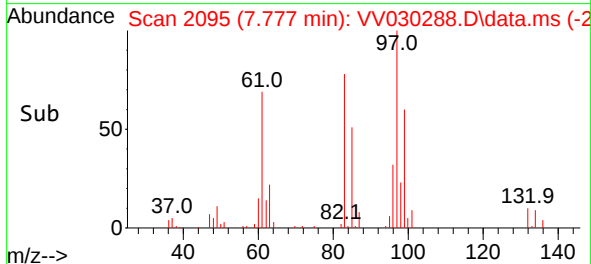
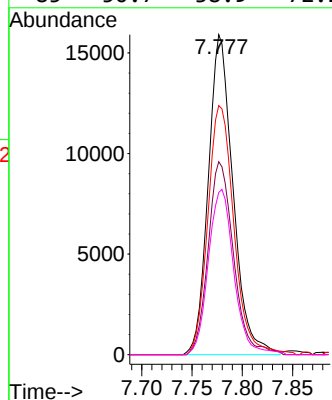
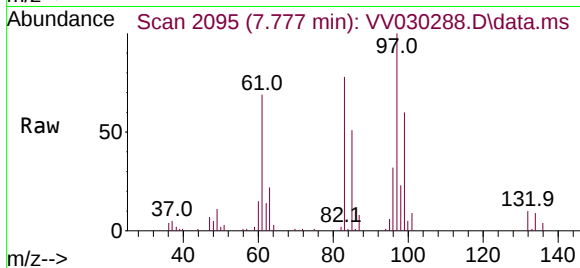




#45
1,1,2-Trichloroethane
Concen: 4.764 ug/L
RT: 7.777 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

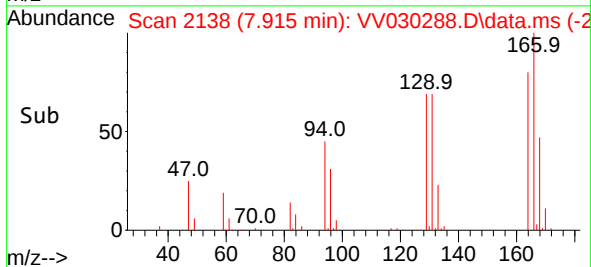
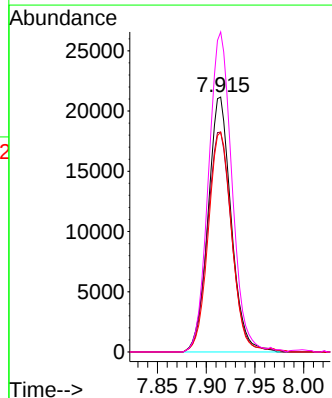
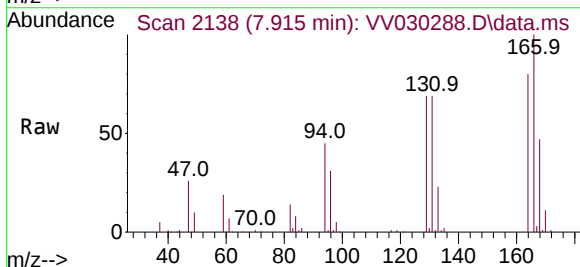
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

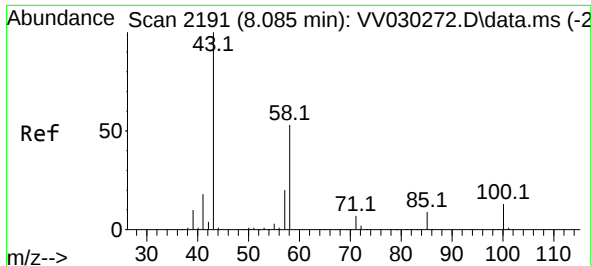
Tgt Ion:	97	Resp:	27246
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.6	79.2
83	77.8	57.7	107.3
85	50.7	38.9	72.2



#47
Tetrachloroethene
Concen: 4.625 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion:	164	Resp:	34951
Ion	Ratio	Lower	Upper
164	100		
129	86.2	63.6	118.2
131	86.2	61.7	114.7
166	125.5	90.8	168.6



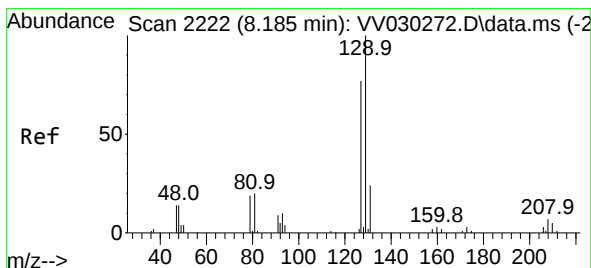
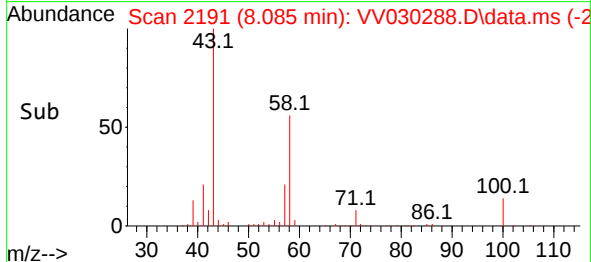
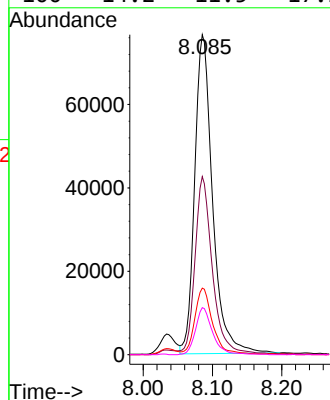
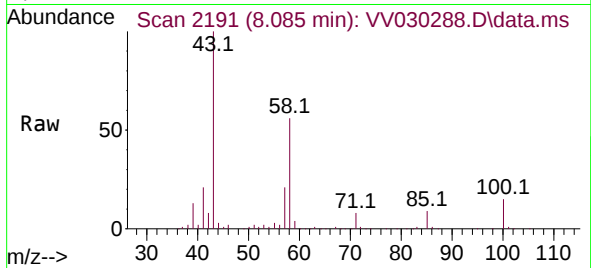


#48
2-Hexanone
Concen: 58.252 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

Tgt Ion: 43 Resp: 137536

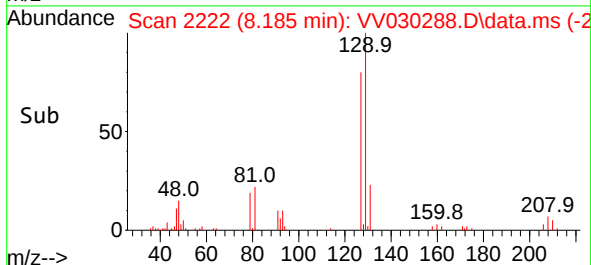
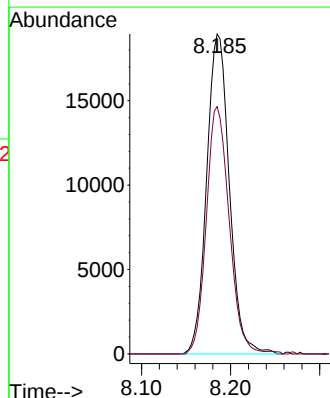
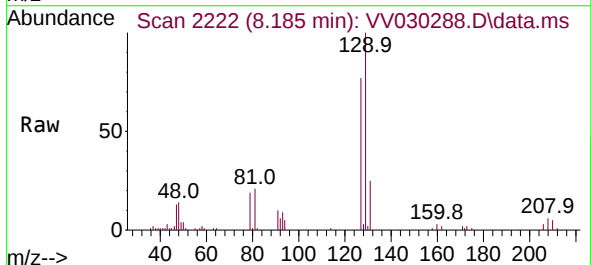
Ion	Ratio	Lower	Upper
43	100		
58	54.1	49.8	74.8
57	20.5	16.6	24.8
100	14.2	11.5	17.3

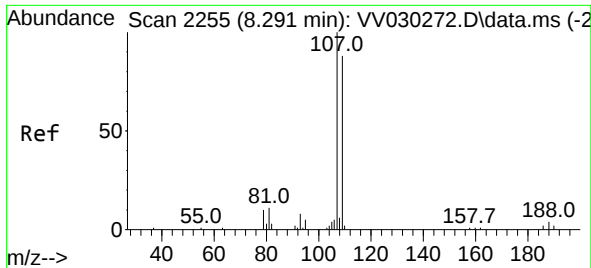


#49
Dibromochloromethane
Concen: 5.012 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 129 Resp: 33539

Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.7	101.5

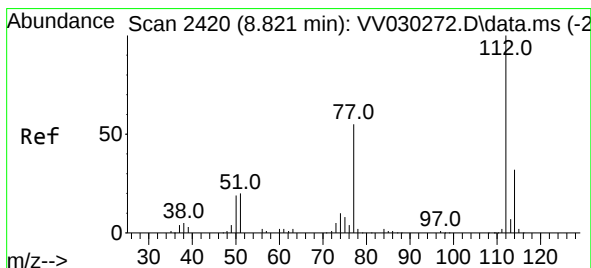
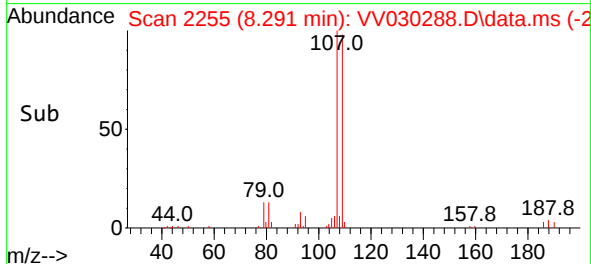
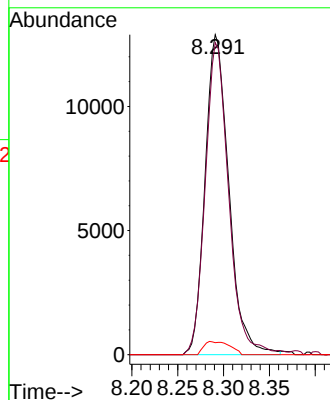
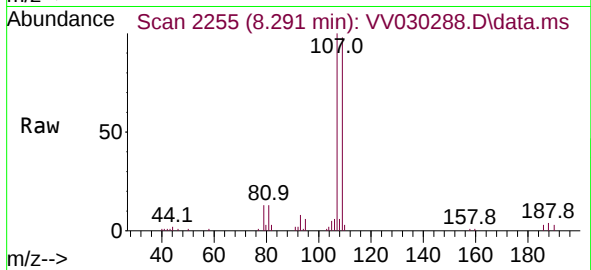




#50
1,2-Dibromoethane
Concen: 4.354 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

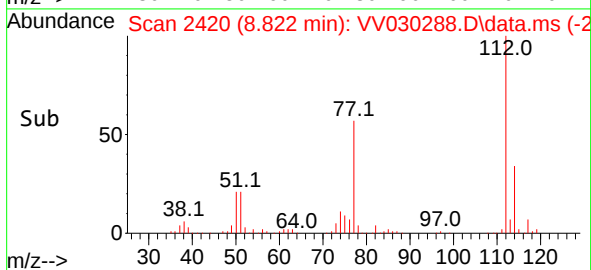
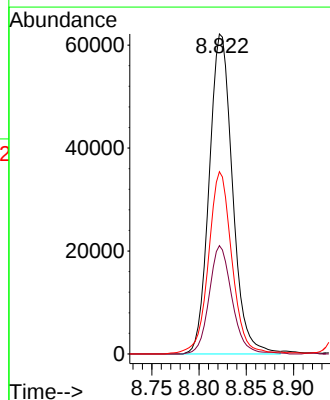
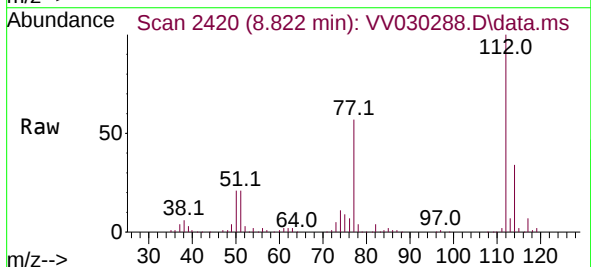
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

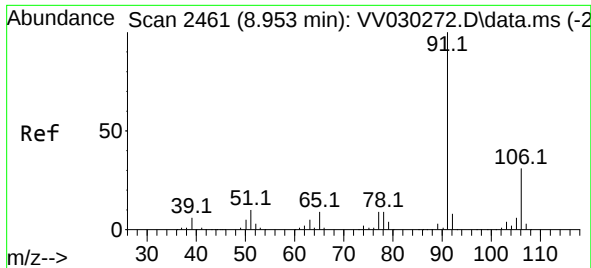
Tgt Ion:	107	Resp:	23232
Ion	Ratio	Lower	Upper
107	100		
109	97.5	63.3	117.7
188	3.7	3.0	4.6



#51
Chlorobenzene
Concen: 4.648 ug/L
RT: 8.822 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion:	112	Resp:	106659
Ion	Ratio	Lower	Upper
112	100		
114	33.8	22.5	41.7
77	56.9	45.3	67.9

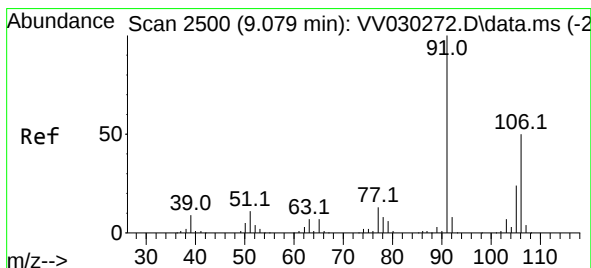
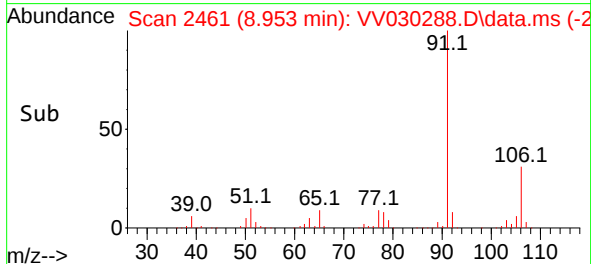
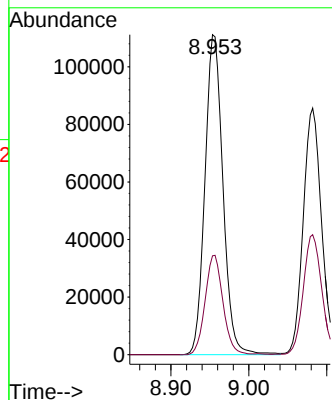
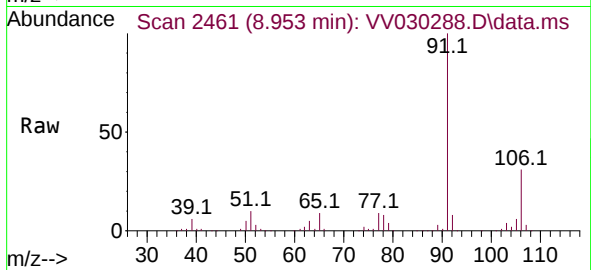




#52
Ethylbenzene
Concen: 4.821 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

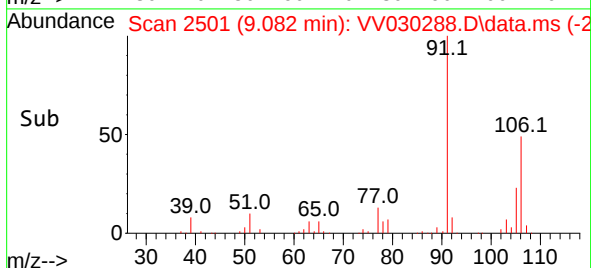
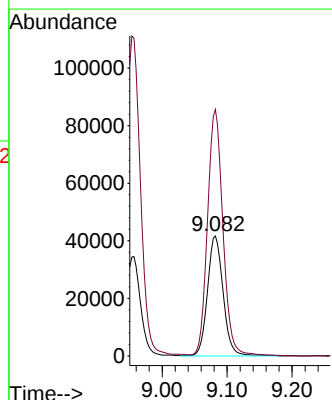
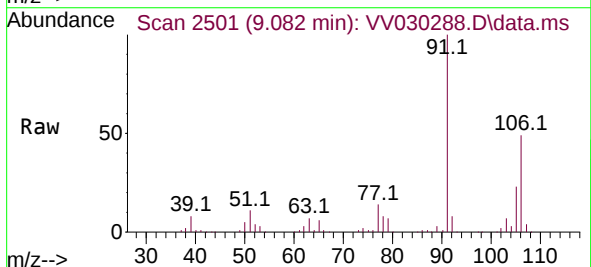
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

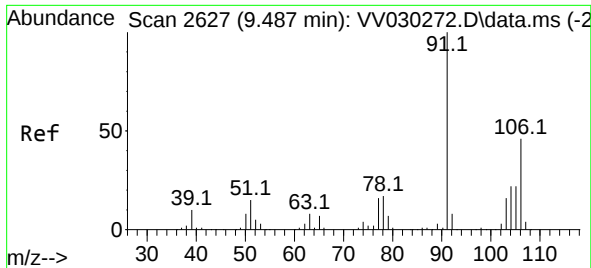
Tgt Ion: 91 Resp: 178515
Ion Ratio Lower Upper
91 100
106 30.9 22.0 40.8



#53
m,p-Xylene
Concen: 4.918 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 106 Resp: 69988
Ion Ratio Lower Upper
106 100
91 205.5 142.5 264.7

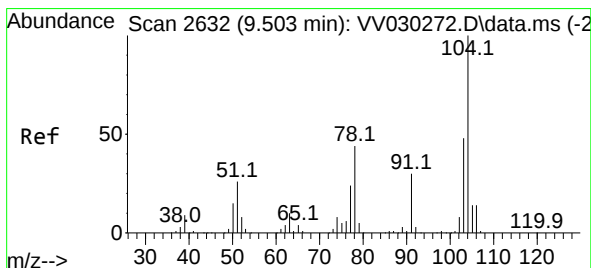
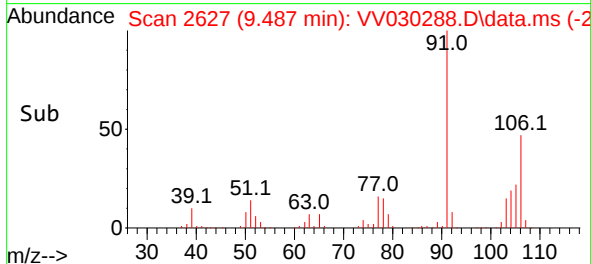
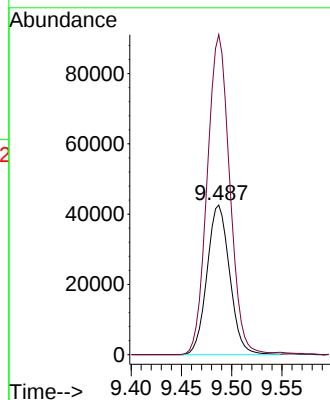
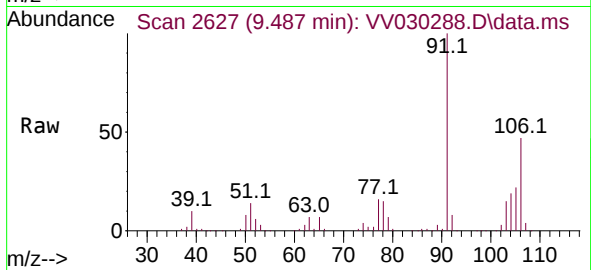




#54
o-Xylene
Concen: 4.910 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

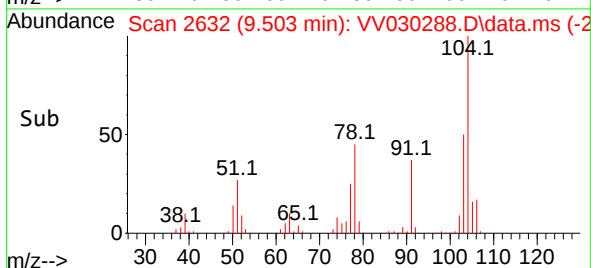
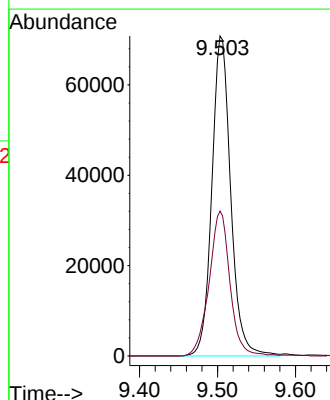
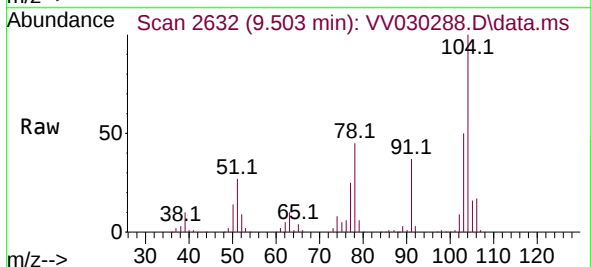
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

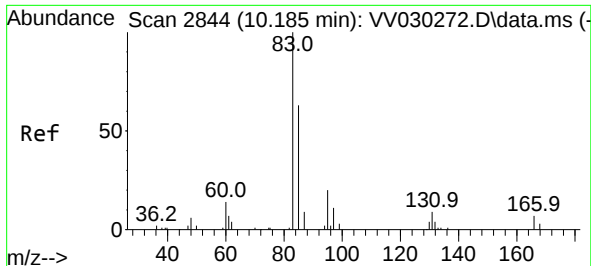
Tgt Ion:106 Resp: 66752
Ion Ratio Lower Upper
106 100
91 214.0 148.8 276.4



#55
Styrene
Concen: 5.278 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion:104 Resp: 119312
Ion Ratio Lower Upper
104 100
78 45.2 31.1 57.9

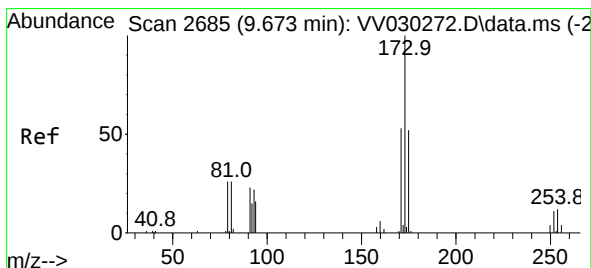
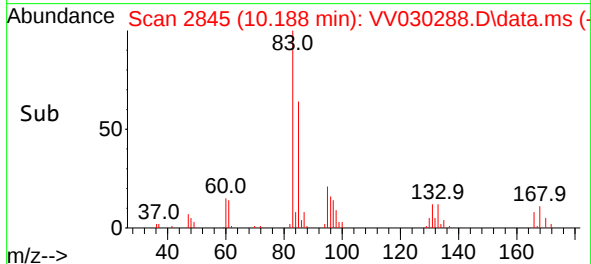
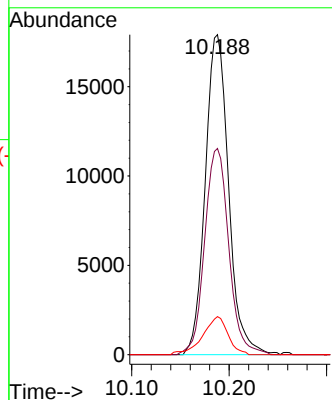
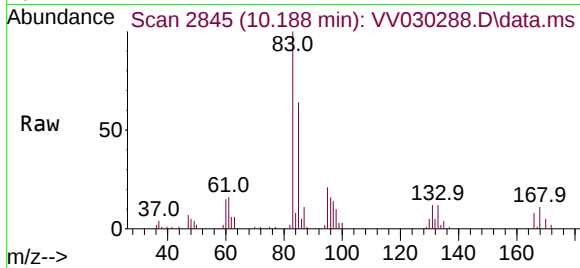




#57
1,1,2,2-Tetrachloroethane
Concen: 4.664 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

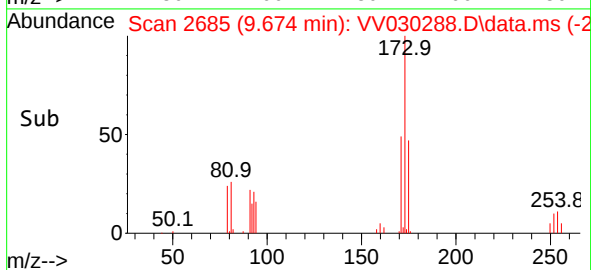
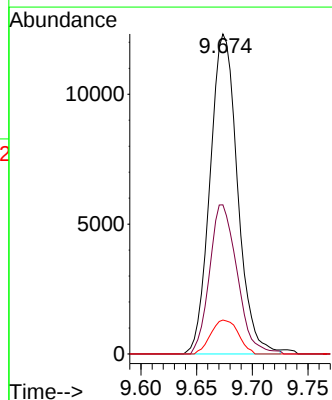
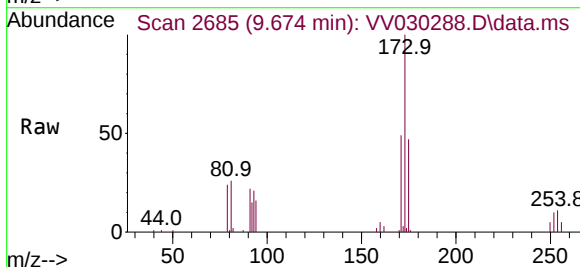
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

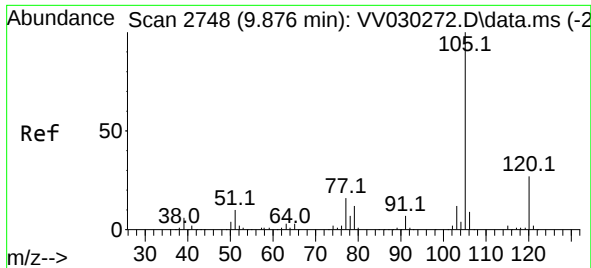
Tgt Ion: 83 Resp: 29838
Ion Ratio Lower Upper
83 100
85 64.4 45.0 83.6
131 11.9 8.2 12.4



#59
Bromoform
Concen: 5.342 ug/L
RT: 9.674 min Scan# 2685
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 173 Resp: 21147
Ion Ratio Lower Upper
173 100
175 46.8 38.5 57.7
254 10.6 8.6 13.0

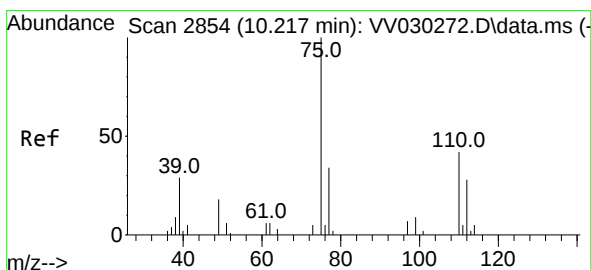
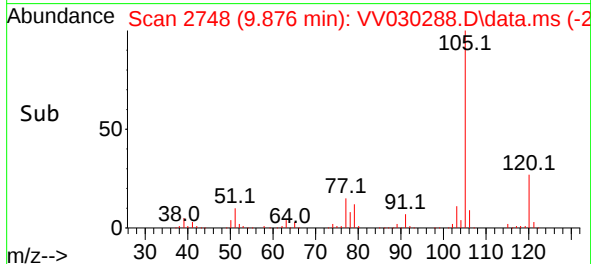
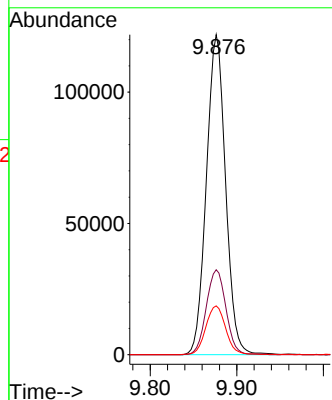
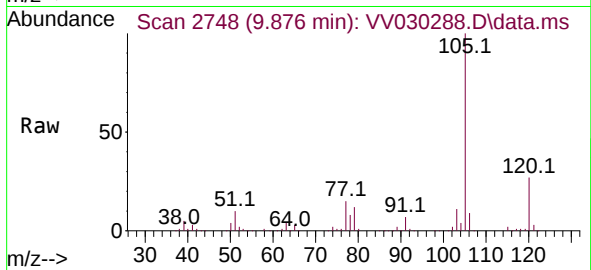




#60
Isopropylbenzene
Concen: 4.938 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

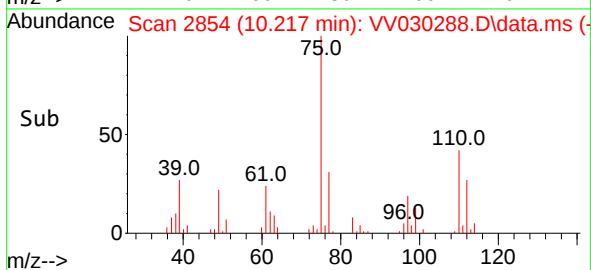
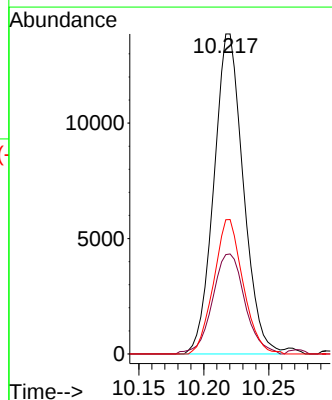
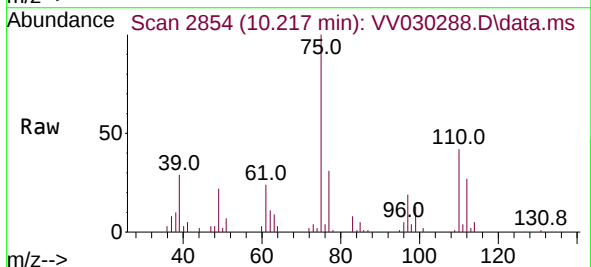
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

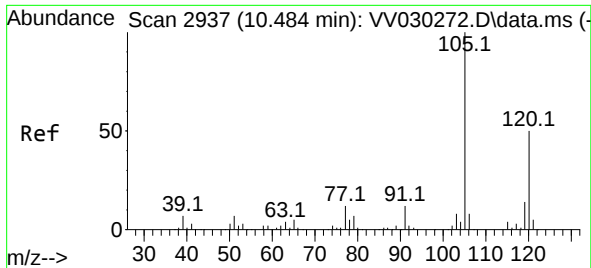
Tgt Ion:105 Resp: 187689
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.0
77 15.9 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.940 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion: 75 Resp: 21839
Ion Ratio Lower Upper
75 100
77 34.3 26.5 39.7
110 41.9 31.8 47.6

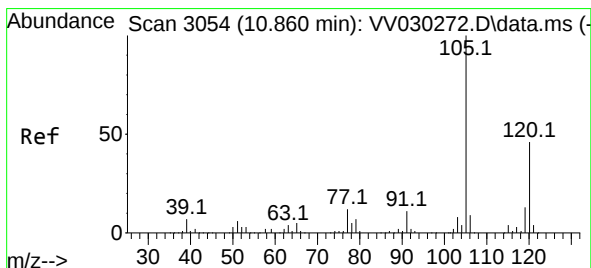
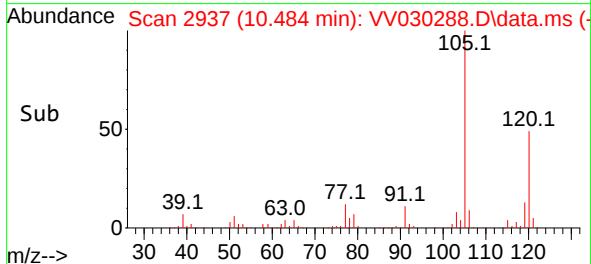
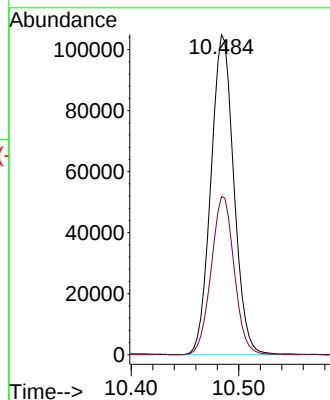
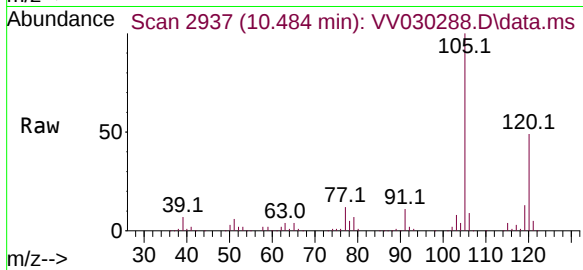




#62
1,3,5-Trimethylbenzene
Concen: 4.983 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

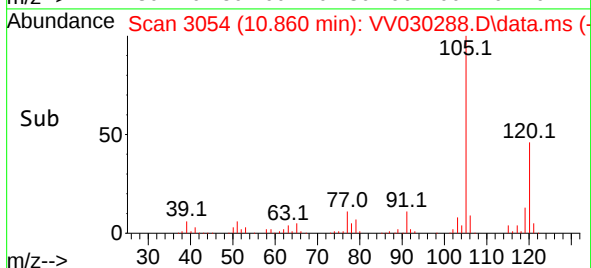
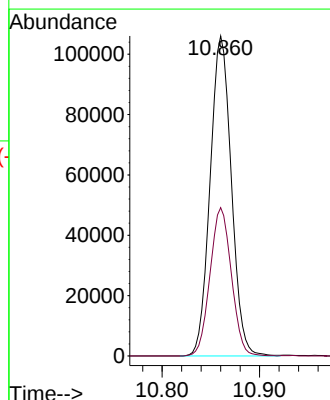
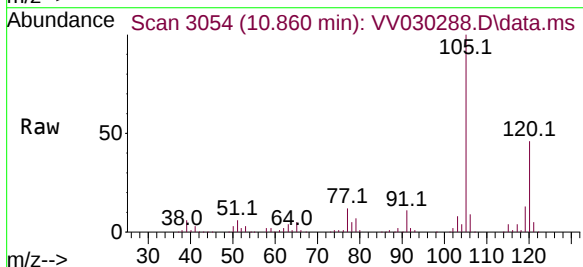
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

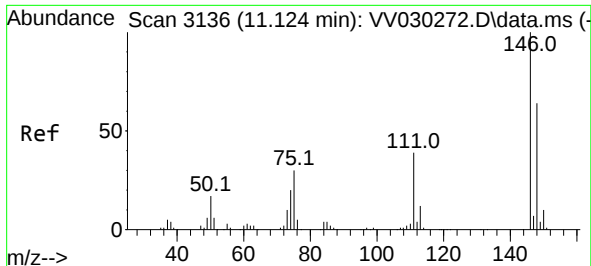
Tgt Ion:105 Resp: 155552
Ion Ratio Lower Upper
105 100
120 49.6 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 5.026 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion:105 Resp: 160517
Ion Ratio Lower Upper
105 100
120 46.5 36.2 54.4

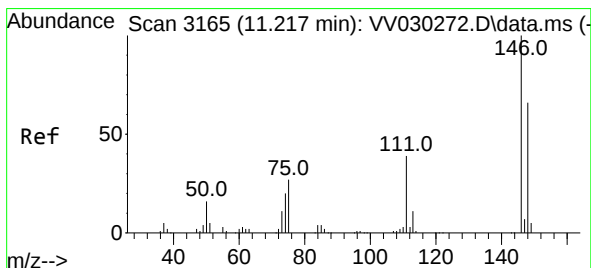
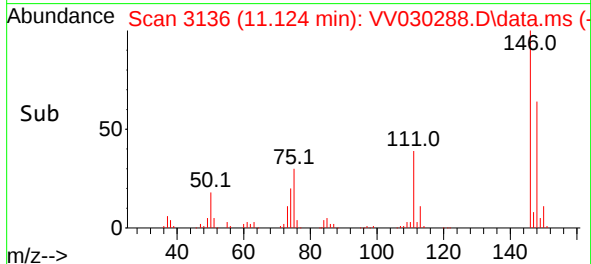
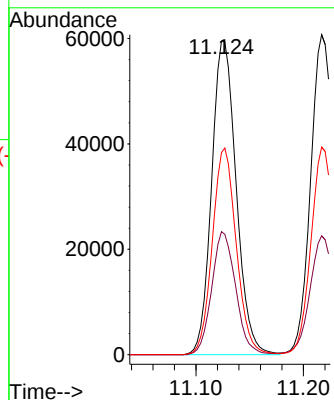
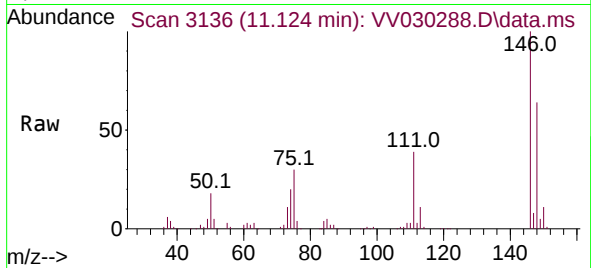




#64
1,3-Dichlorobenzene
Concen: 4.779 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

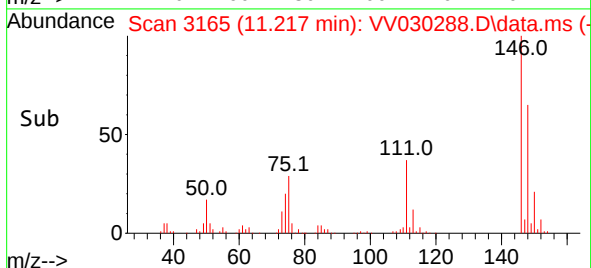
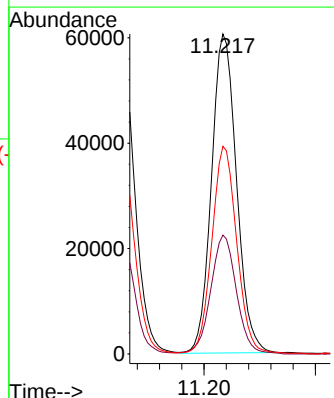
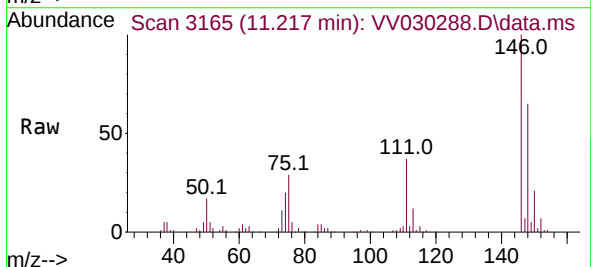
Instrument :
MSVOA_V
ClientSampleId :
VSTD005311

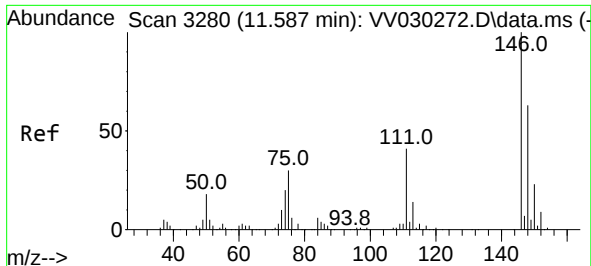
Tgt Ion:146 Resp: 94570
Ion Ratio Lower Upper
146 100
111 39.2 27.7 51.5
148 64.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.728 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030288.D
Acq: 21 Mar 2023 19:48

Tgt Ion:146 Resp: 94393
Ion Ratio Lower Upper
146 100
111 37.2 27.4 51.0
148 64.9 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.905 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005311

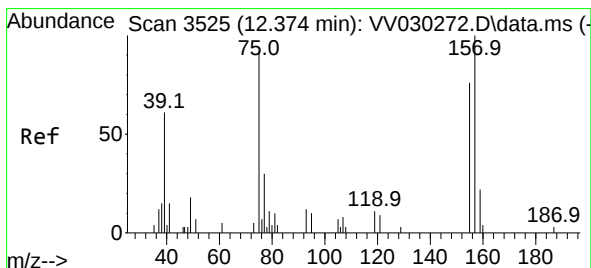
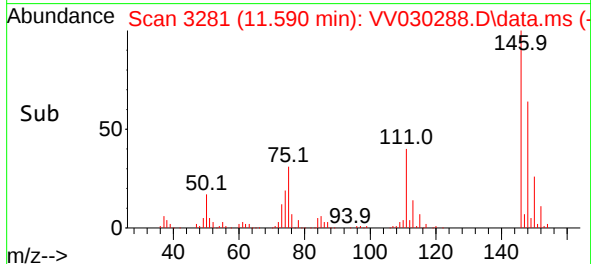
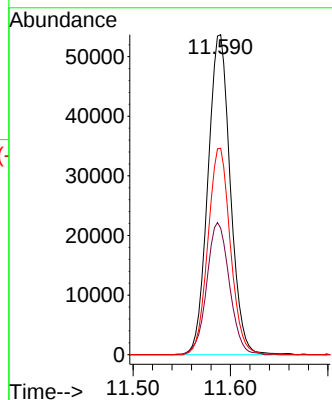
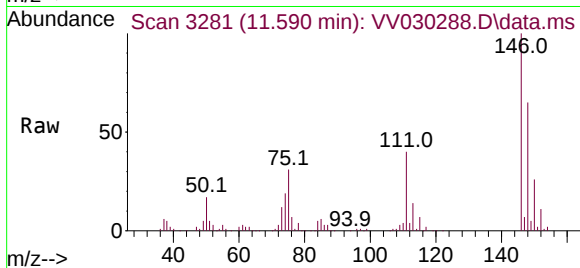
Tgt Ion:146 Resp: 85712

Ion Ratio Lower Upper

146 100

111 39.5 33.5 50.3

148 64.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.516 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

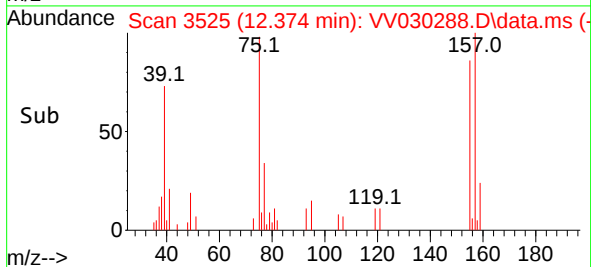
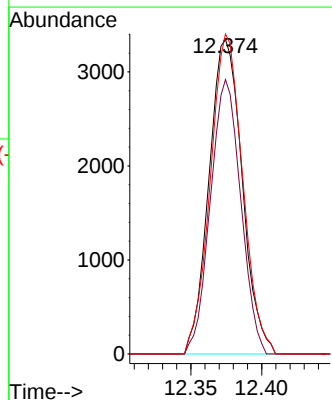
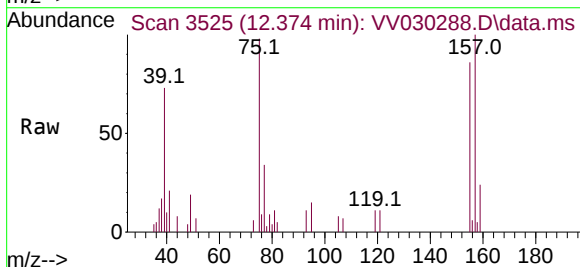
Tgt Ion: 75 Resp: 5446

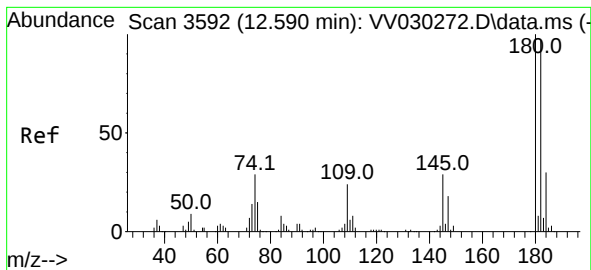
Ion Ratio Lower Upper

75 100

155 87.2 79.1 118.7

157 101.7 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.649 ug/L

RT: 12.593 min Scan# 3592

Delta R.T. 0.003 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005311

Tgt Ion:180 Resp: 75625

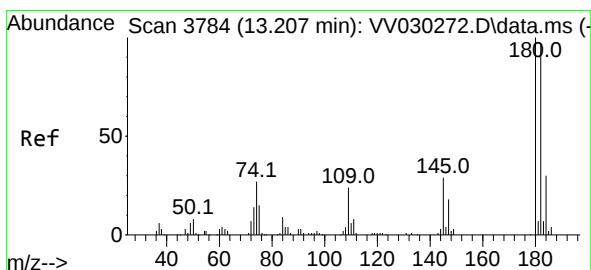
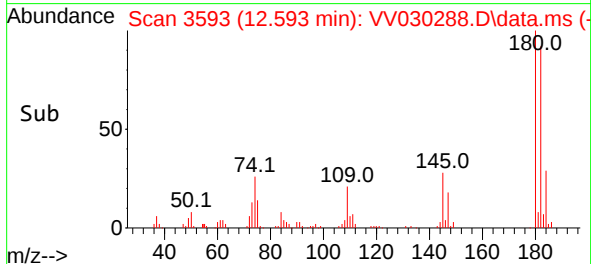
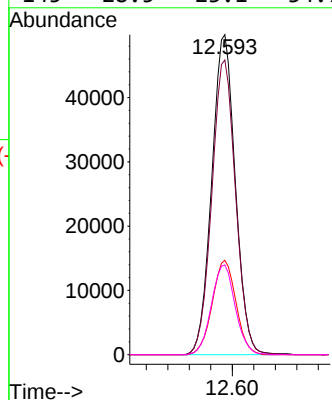
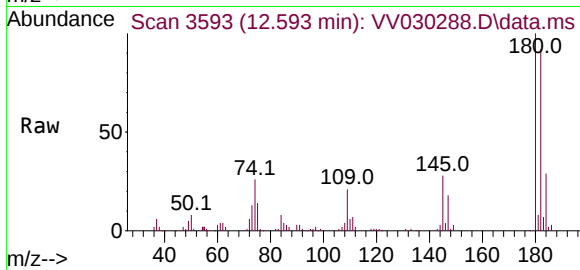
Ion Ratio Lower Upper

180 100

182 93.0 76.5 114.7

184 29.7 24.3 36.5

145 28.5 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.624 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

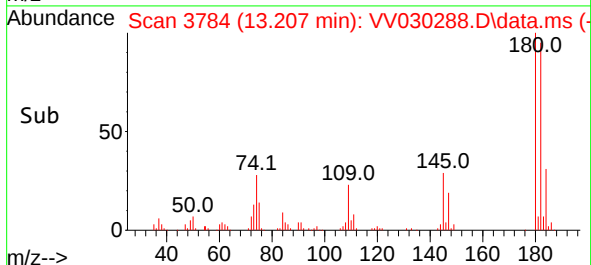
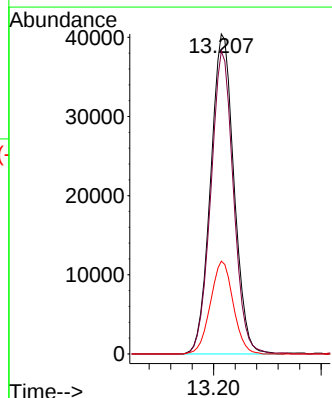
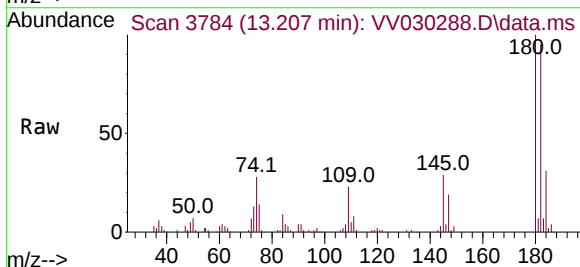
Tgt Ion:180 Resp: 60935

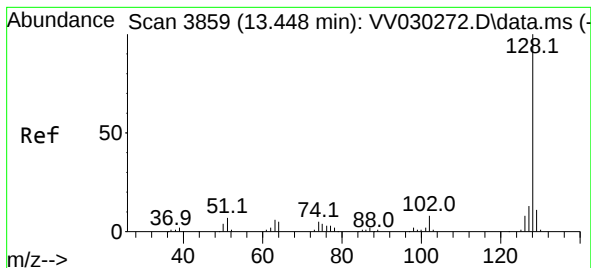
Ion Ratio Lower Upper

180 100

182 91.5 77.3 115.9

145 28.4 23.1 34.7





#71

Naphthalene

Concen: 4.768 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005311

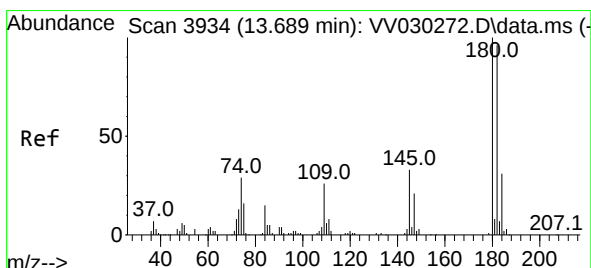
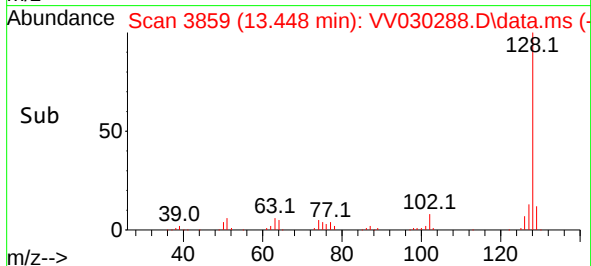
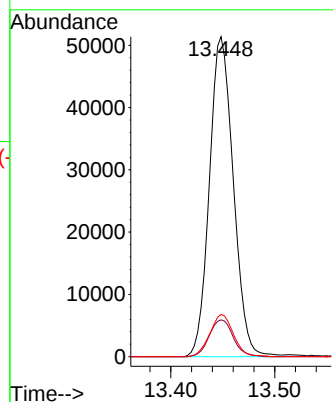
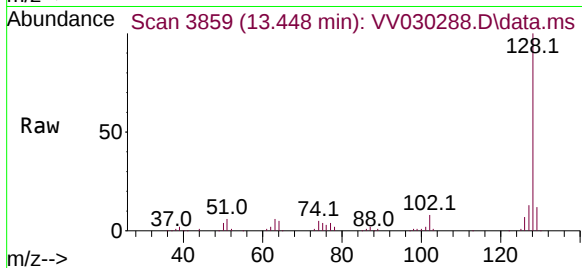
Tgt Ion:128 Resp: 82112

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.603 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030288.D

Acq: 21 Mar 2023 19:48

Tgt Ion:180 Resp: 49935

Ion Ratio Lower Upper

180 100

182 99.0 76.2 114.2

145 30.7 25.1 37.7

