

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032923\
 Data File : VW030344.D
 Acq On : 29 Mar 2023 22:15
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

Quant Time: Mar 30 02:17:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 30 01:55:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	146713	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	143775	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	82033	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	42807	4.405	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.536	69	43609	4.625	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.066	63	105599	4.580	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	3.818	46	138899	55.305	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.600%
24) Chloroform-d	4.262	84	116442	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	4.953	65	57309	5.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	4.973	84	201624	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	5.998	67	64954	5.121	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.400%
41) Toluene-d8	7.252	98	187564	5.041	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	7.561	79	22364	4.683	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.034	63	103624	53.999	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.000%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	49978	4.999	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	11.571	152	71239	4.859	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	87469	4.690	ug/L	98
3) Chloromethane	1.217	50	110544	4.697	ug/L	99
5) Vinyl chloride	1.285	62	83724	4.880	ug/L	100
6) Bromomethane	1.494	94	25191	5.148	ug/L	100
8) Chloroethane	1.555	64	48141	4.898	ug/L	97
9) Trichlorofluoromethane	1.719	101	123373	4.933	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	64898	4.701	ug/L	98
12) 1,1-Dichloroethene	2.076	96	61000	4.976	ug/L	89
13) Acetone	2.150	43	93679	39.006	ug/L	80
14) Carbon disulfide	2.246	76	195345	4.838	ug/L	99
15) Methyl Acetate	2.391	43	21738	5.065	ug/L	96
16) Methylene chloride	2.455	84	69593	4.800	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	127762	4.921	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	62100	4.809	ug/L	98
19) 1,1-Dichloroethane	3.121	63	123942	4.951	ug/L	98
21) 2-Butanone	3.899	43	145666	48.189	ug/L	100
22) cis-1,2-Dichloroethene	3.825	96	65824	5.079	ug/L	99
23) Bromochloromethane	4.159	128	29746	4.914	ug/L	95
25) Chloroform	4.288	83	124287	4.913	ug/L	95

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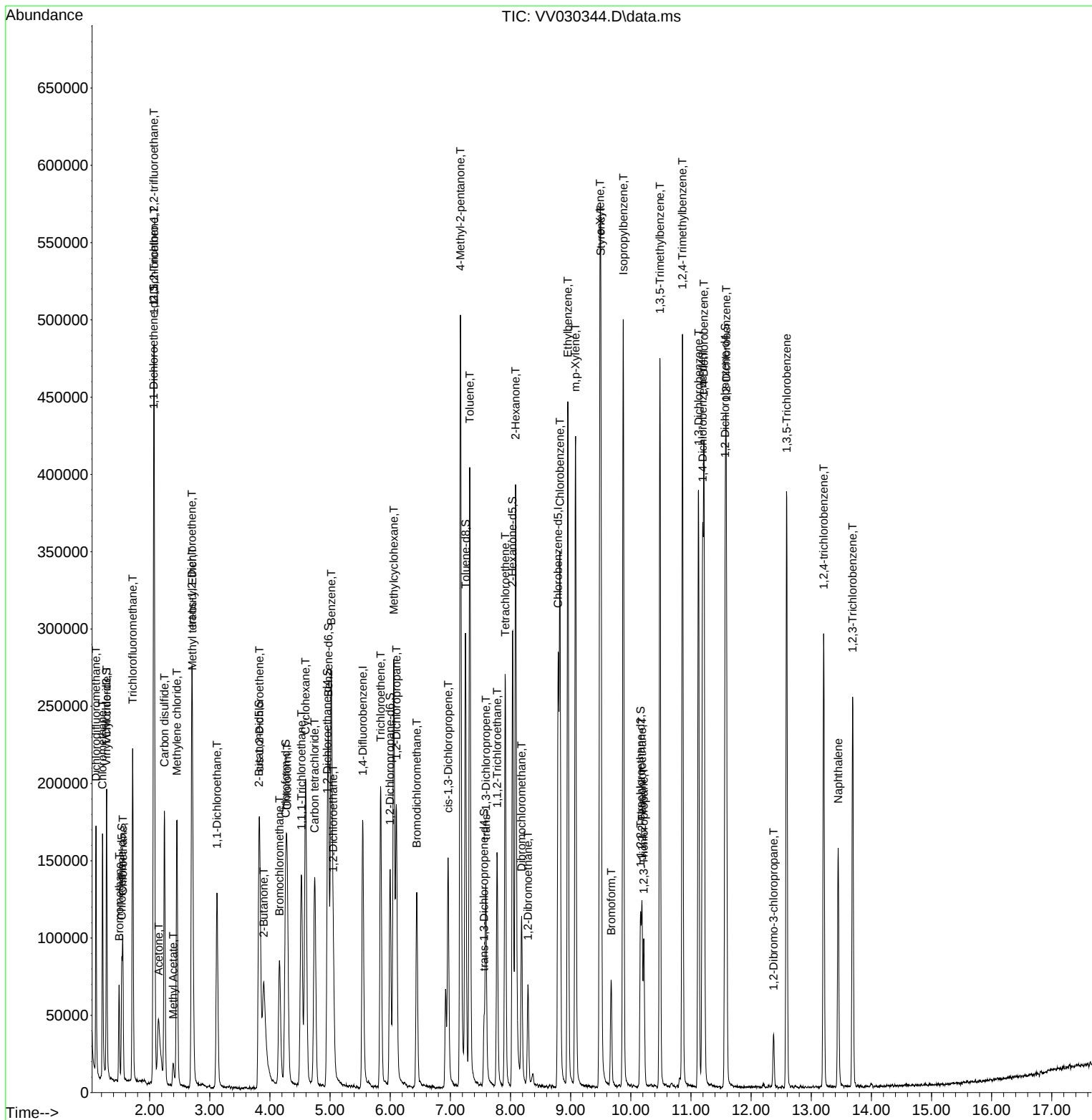
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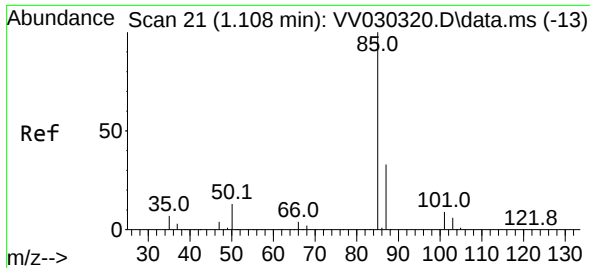
Quant Time: Mar 30 02:17:13 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	78701	5.145	ug/L	96
29) 1,1,1-Trichloroethane	4.523	97	115018	4.977	ug/L	99
30) Cyclohexane	4.593	56	104033	4.942	ug/L	99
31) Carbon tetrachloride	4.744	117	103201	4.922	ug/L	100
33) Benzene	5.021	78	259992	5.091	ug/L	100
34) Trichloroethene	5.841	95	67249	4.883	ug/L	99
35) Methylcyclohexane	6.059	83	101585	4.699	ug/L	99
37) 1,2-Dichloropropane	6.101	63	65888	5.026	ug/L	100
38) Bromodichloromethane	6.442	83	86585	5.043	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	85323	4.628	ug/L	96
40) 4-Methyl-2-pentanone	7.169	43	360524	52.187	ug/L	99
42) Toluene	7.323	91	284692	5.234	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	72699	4.635	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	45494	4.928	ug/L	99
47) Tetrachloroethene	7.915	164	58746	4.833	ug/L	96
48) 2-Hexanone	8.085	43	261194	50.484	ug/L	98
49) Dibromochloromethane	8.185	129	52159	4.747	ug/L	97
50) 1,2-Dibromoethane	8.291	107	40803	4.859	ug/L	93
51) Chlorobenzene	8.821	112	173993	4.996	ug/L	98
52) Ethylbenzene	8.953	91	295390	4.964	ug/L	98
53) m,p-Xylene	9.082	106	113157	4.967	ug/L	97
54) o-Xylene	9.487	106	108789	4.991	ug/L	99
55) Styrene	9.503	104	192404	5.197	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	51876	4.735	ug/L	98
59) Bromoform	9.673	173	30942	4.667	ug/L	100
60) Isopropylbenzene	9.876	105	300116	4.961	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	36650	4.997	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	239890	4.860	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	252857	5.026	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	152777	5.064	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	153211	5.041	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	137885	5.072	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	8489	4.653	ug/L	94
69) 1,3,5-Trichlorobenzene	12.593	180	114411	4.926	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	87421	4.875	ug/L	99
71) Naphthalene	13.448	128	118982	4.645	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	74627	4.803	ug/L	98

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

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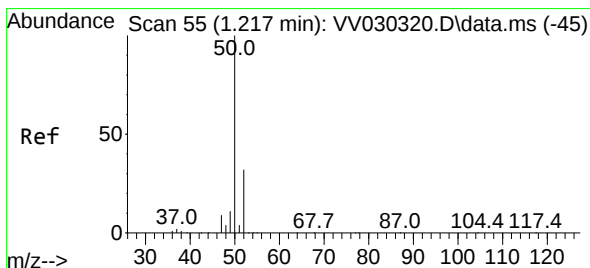
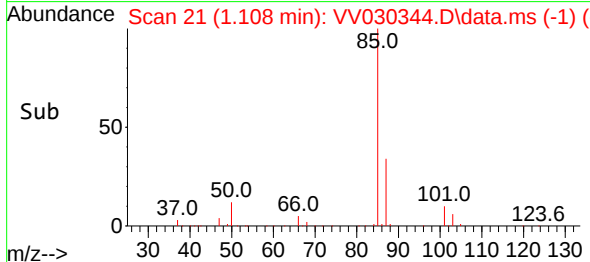
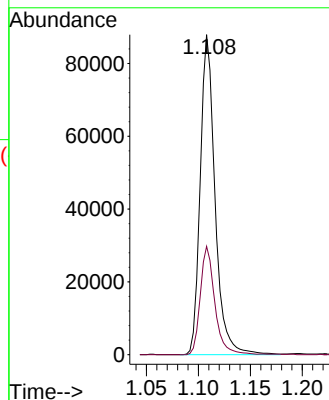
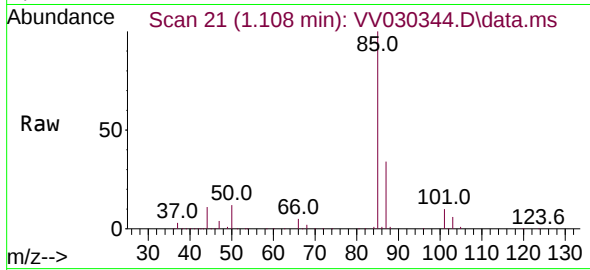




#2
 Dichlorodifluoromethane
 Concen: 4.690 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

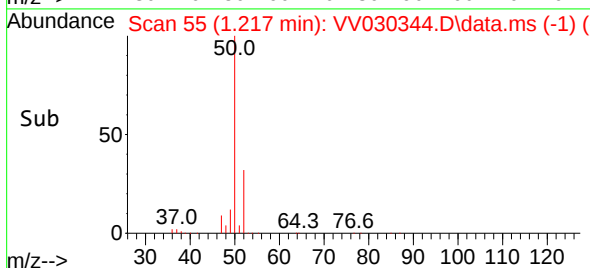
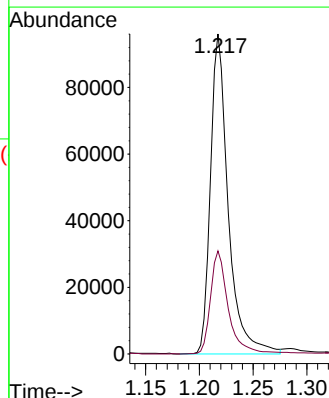
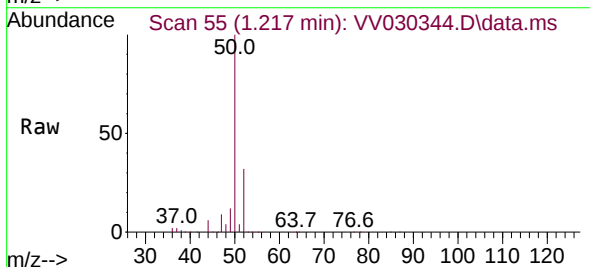
Instrument :
 MSVOA_V
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 VSTD005315

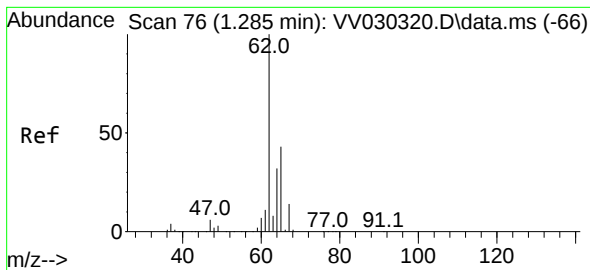
Tgt Ion: 85 Resp: 87469
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.6 38.4



#3
 Chloromethane
 Concen: 4.697 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

Tgt Ion: 50 Resp: 110544
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.3 41.5

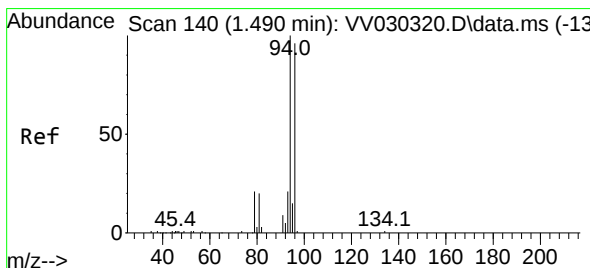
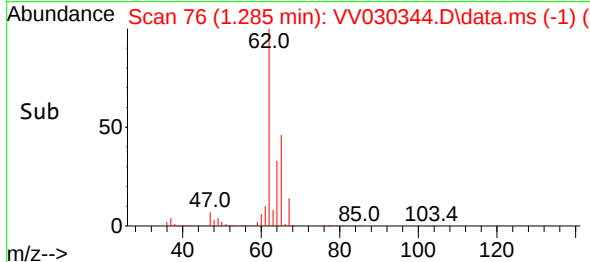
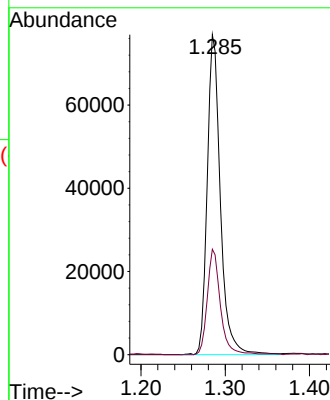
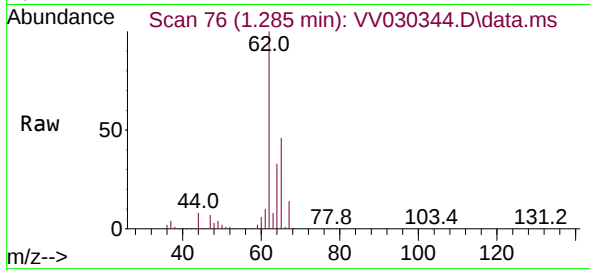




#5
 Vinyl chloride
 Concen: 4.880 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

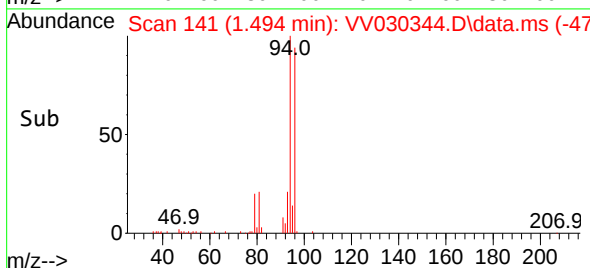
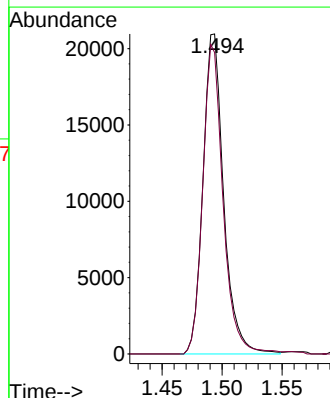
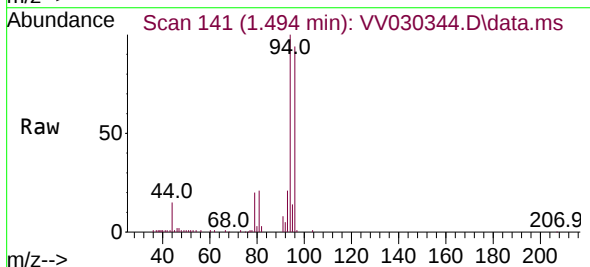
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 VSTD005315

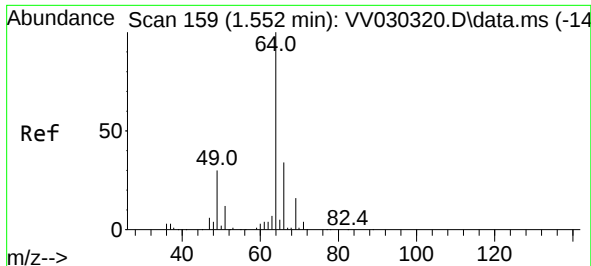
Tgt Ion: 62 Resp: 83724
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.2



#6
 Bromomethane
 Concen: 5.148 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

Tgt Ion: 94 Resp: 25191
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.1 122.7

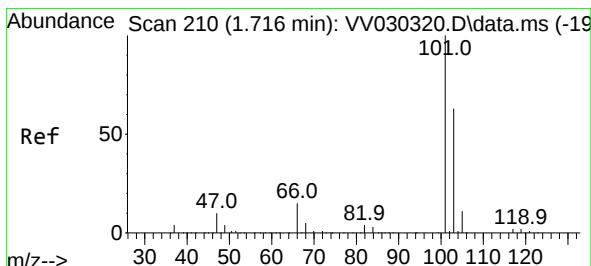
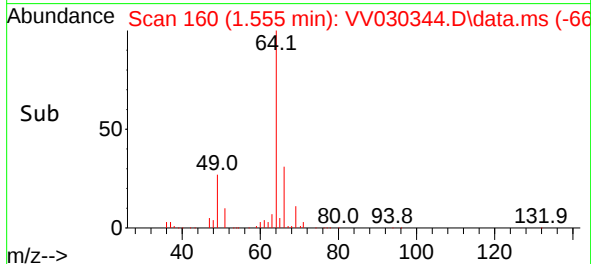
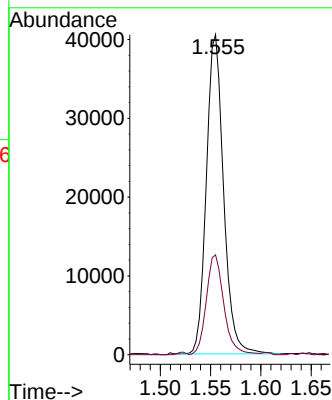
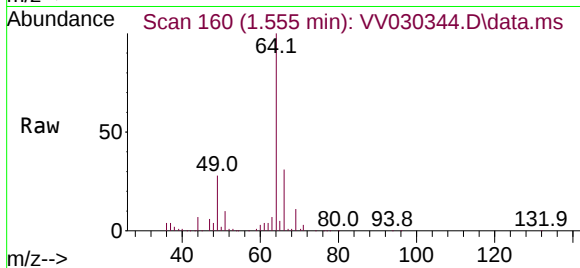




#8
Chloroethane
Concen: 4.898 ug/L
RT: 1.555 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

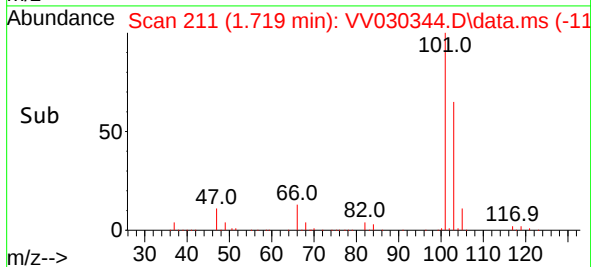
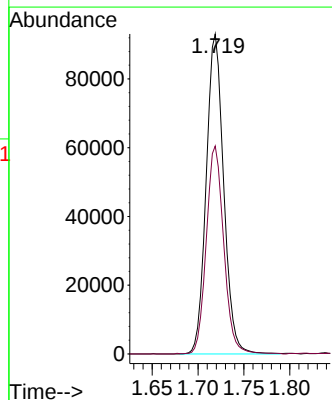
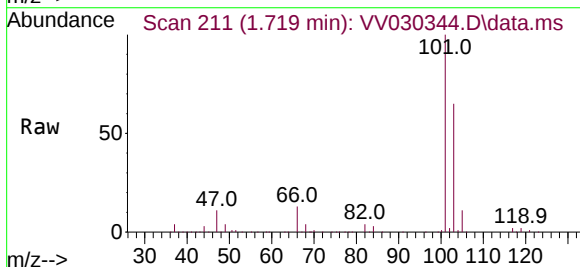
Instrument :
MSVOA_V
ClientSampleId :
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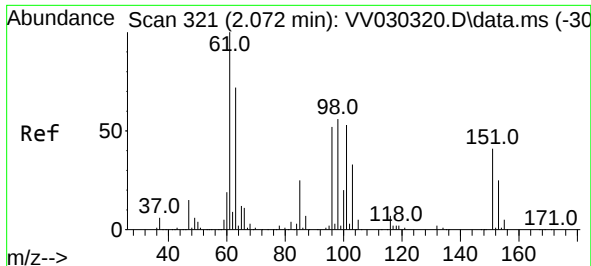
Tgt Ion: 64 Resp: 48141
Ion Ratio Lower Upper
64 100
66 31.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.933 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion:101 Resp: 123373
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

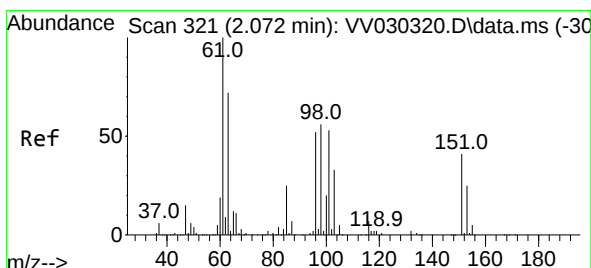
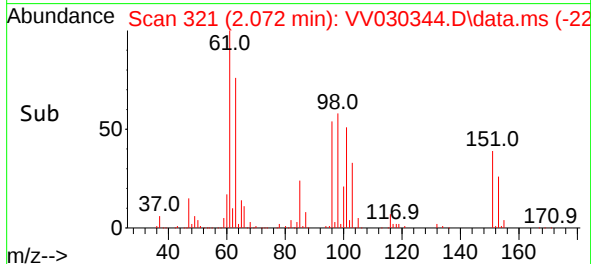
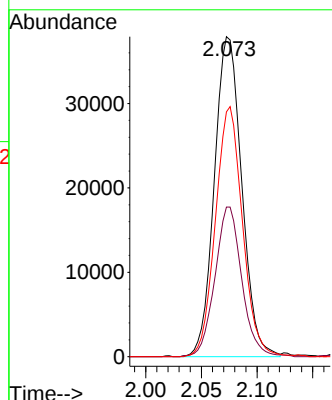
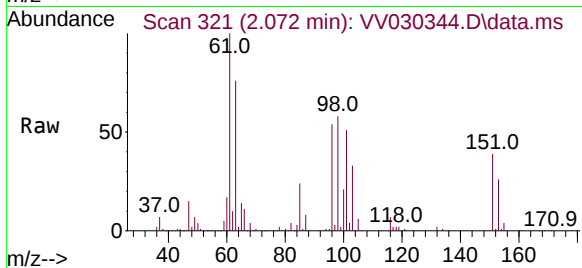




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.701 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

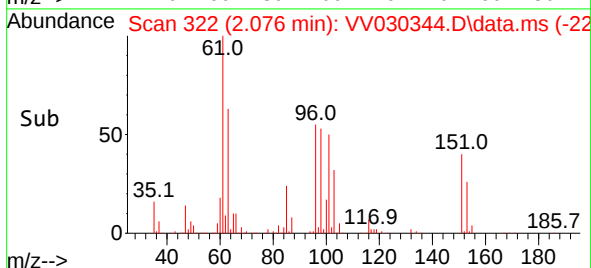
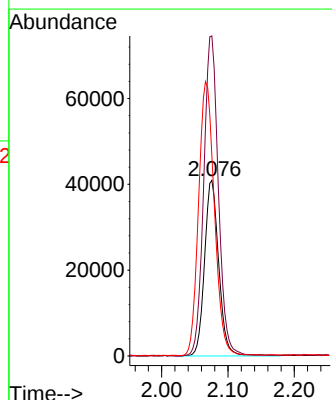
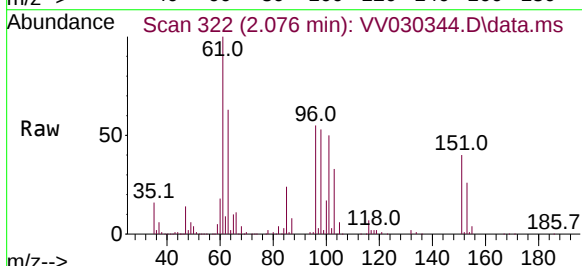
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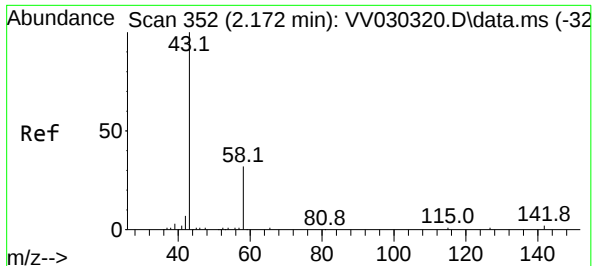
Tgt Ion:101 Resp: 64898
 Ion Ratio Lower Upper
 101 100
 85 45.8 38.1 57.1
 151 77.2 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.976 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

Tgt Ion: 96 Resp: 61000
 Ion Ratio Lower Upper
 96 100
 61 182.3 136.3 253.1
 63 114.0 92.1 171.1





#13

Acetone

Concen: 39.006 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.022 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

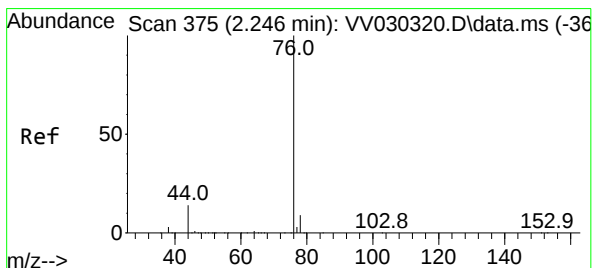
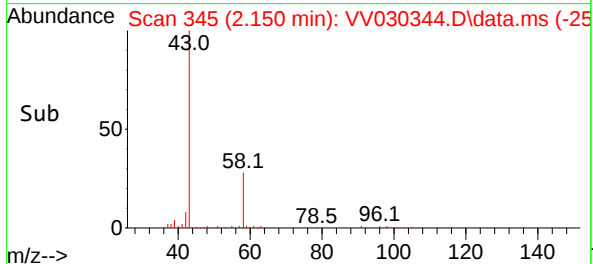
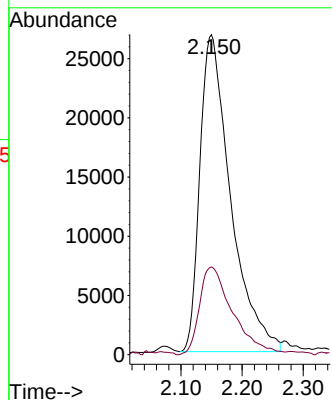
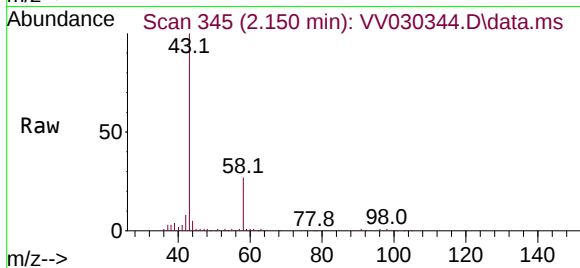
VSTD005315

Tgt Ion: 43 Resp: 93679

Ion Ratio Lower Upper

43 100

58 29.8 0.0 40.8



#14

Carbon disulfide

Concen: 4.838 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030344.D

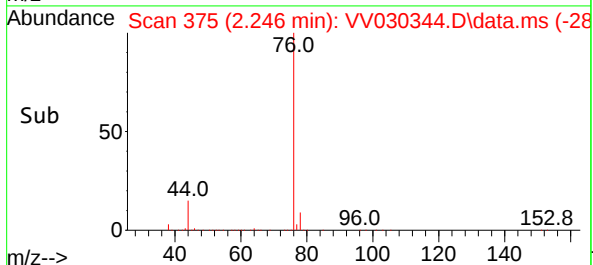
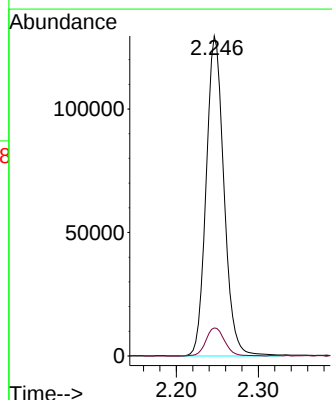
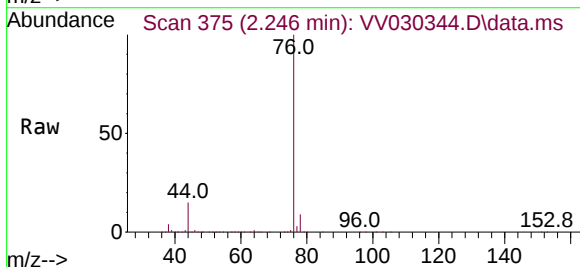
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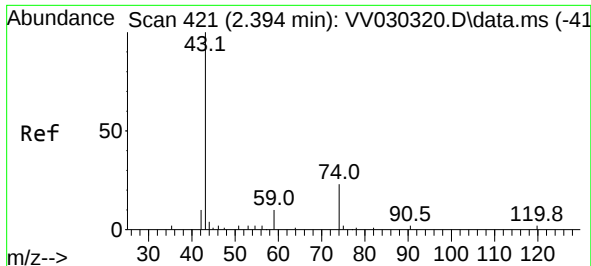
Tgt Ion: 76 Resp: 195345

Ion Ratio Lower Upper

76 100

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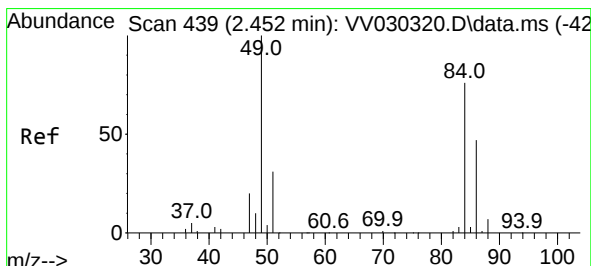
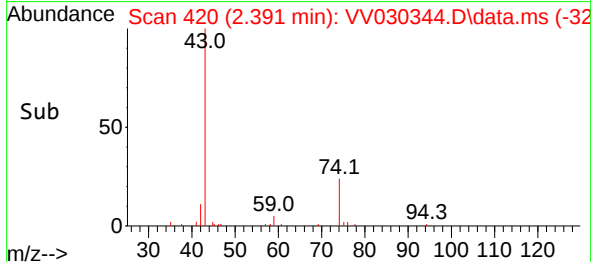
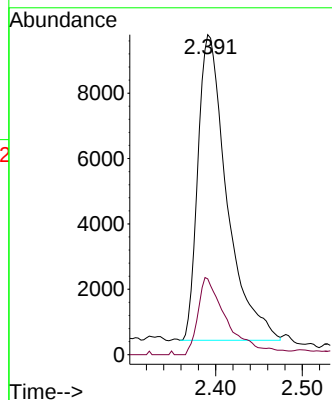
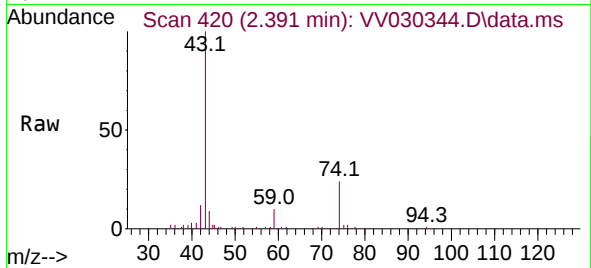




#15
Methyl Acetate
Concen: 5.065 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

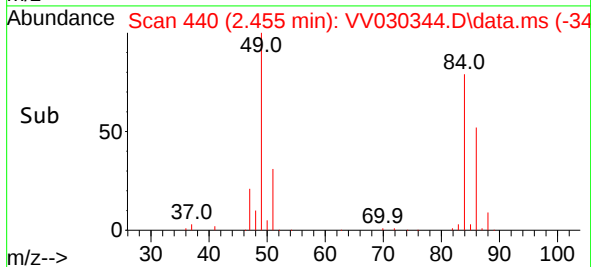
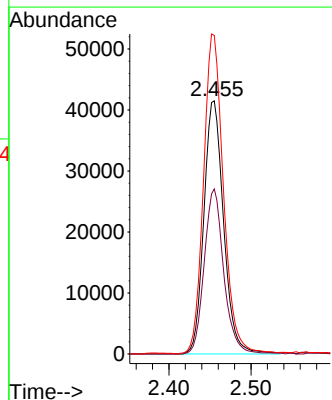
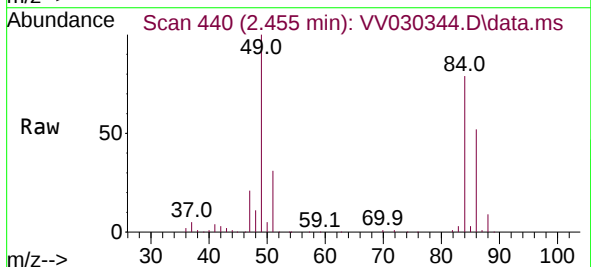
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

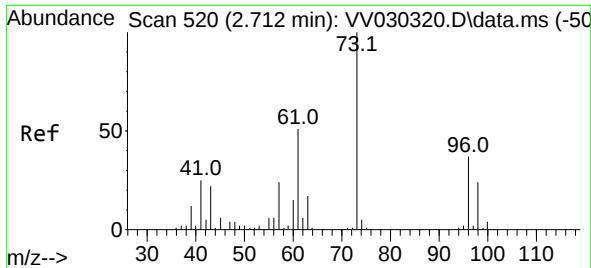
Tgt Ion: 43 Resp: 21738
Ion Ratio Lower Upper
43 100
74 25.5 22.1 33.1



#16
Methylene chloride
Concen: 4.800 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion: 84 Resp: 69593
Ion Ratio Lower Upper
84 100
86 65.2 44.0 81.6
49 125.9 90.6 168.3

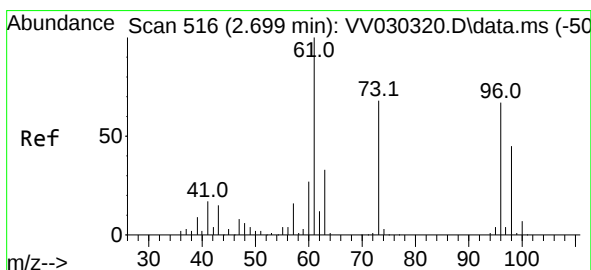
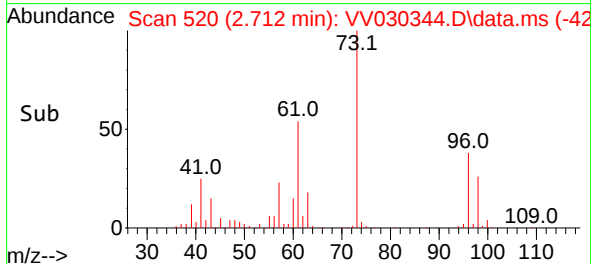
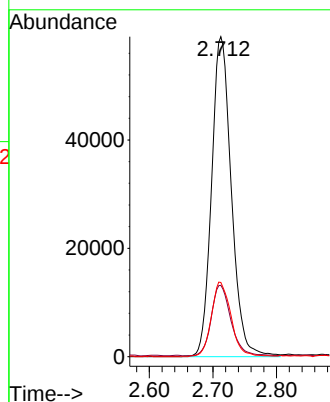
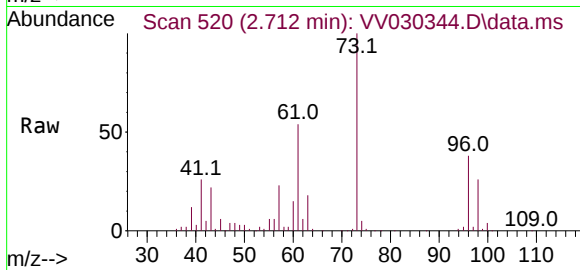




#17
Methyl tert-butyl Ether
Concen: 4.921 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

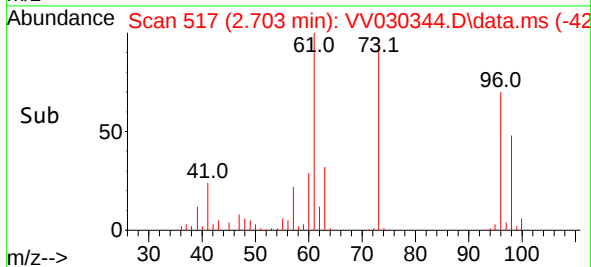
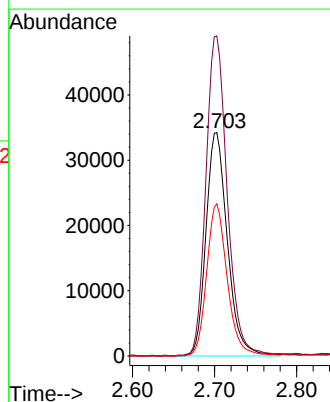
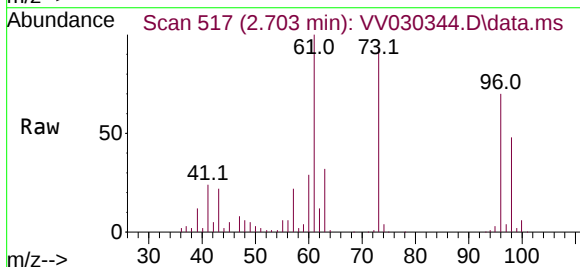
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

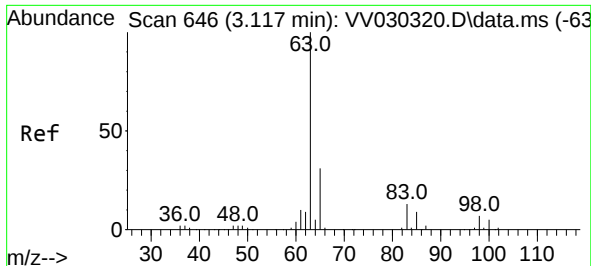
Tgt Ion: 73 Resp: 127762
Ion Ratio Lower Upper
73 100
43 22.1 17.4 26.2
57 23.2 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.809 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion: 96 Resp: 62100
Ion Ratio Lower Upper
96 100
61 143.3 101.7 188.9
98 68.1 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.951 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

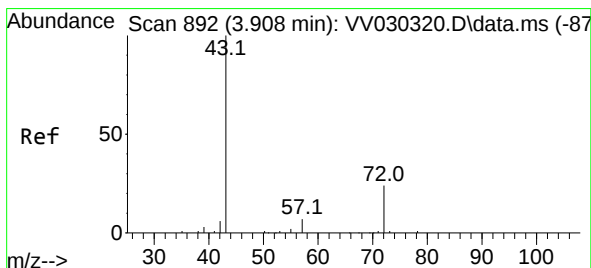
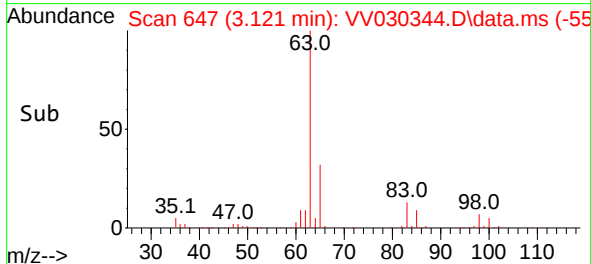
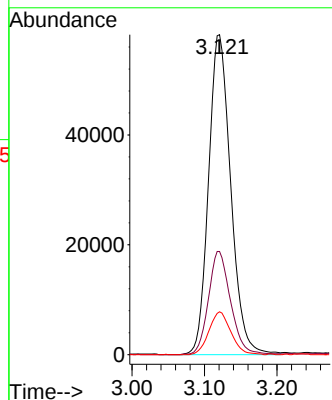
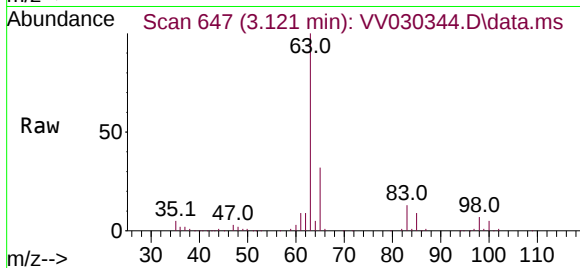
Tgt Ion: 63 Resp: 123942

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 13.4 9.1 16.9



#21

2-Butanone

Concen: 48.189 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.010 min

Lab File: VV030344.D

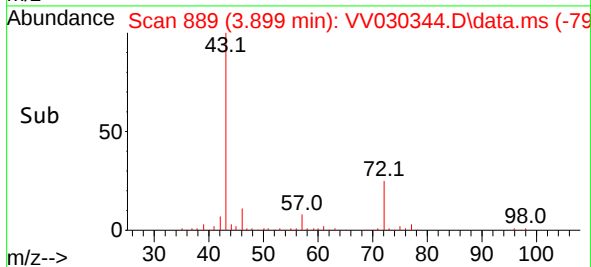
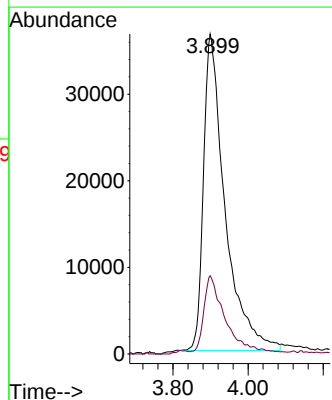
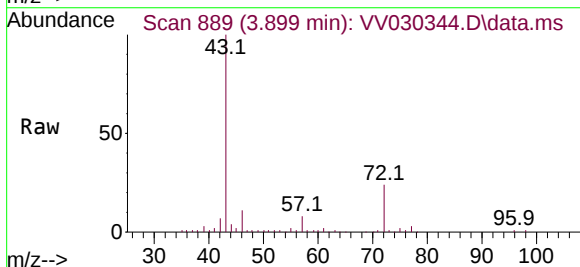
Acq: 29 Mar 2023 22:15

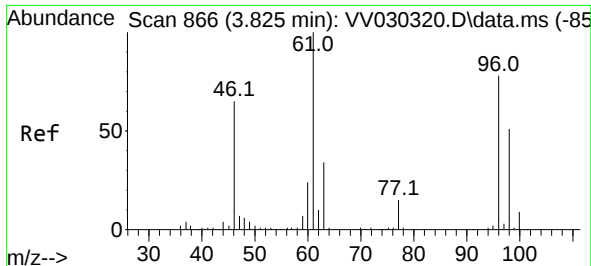
Tgt Ion: 43 Resp: 145666

Ion Ratio Lower Upper

43 100

72 22.1 11.2 33.5

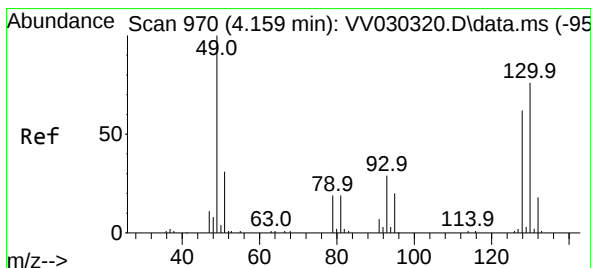
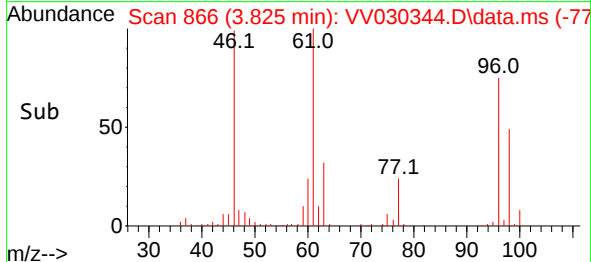
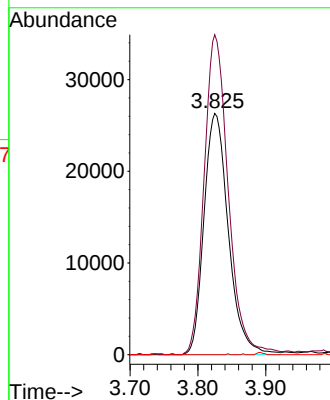
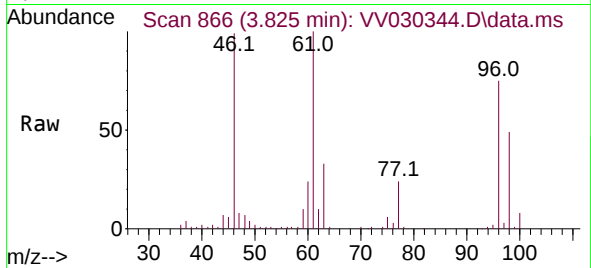




#22
 cis-1,2-Dichloroethene
 Concen: 5.079 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

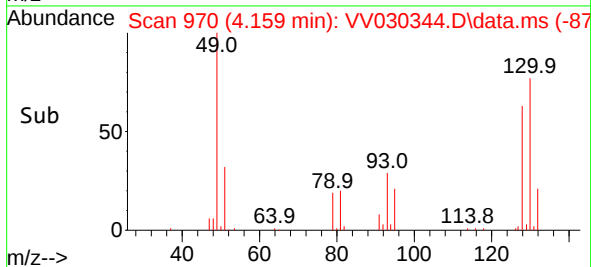
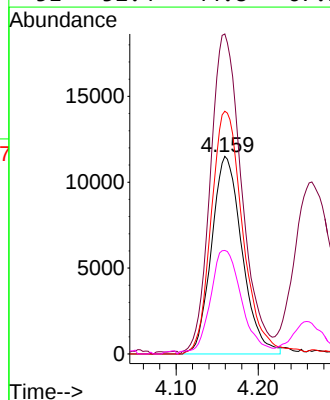
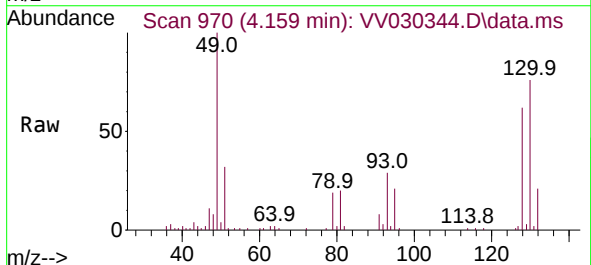
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

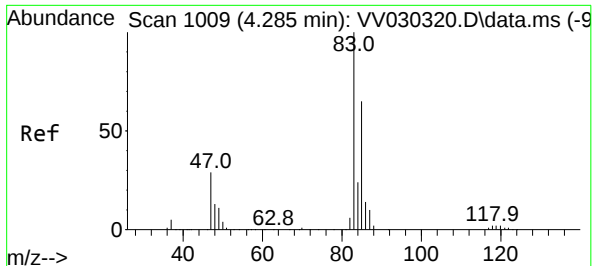
Tgt Ion: 96 Resp: 65824
 Ion Ratio Lower Upper
 96 100
 61 132.6 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.914 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

Tgt Ion: 128 Resp: 29746
 Ion Ratio Lower Upper
 128 100
 49 162.0 119.4 221.8
 130 122.9 89.2 165.8
 51 52.4 44.8 67.2





#25

Chloroform

Concen: 4.913 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

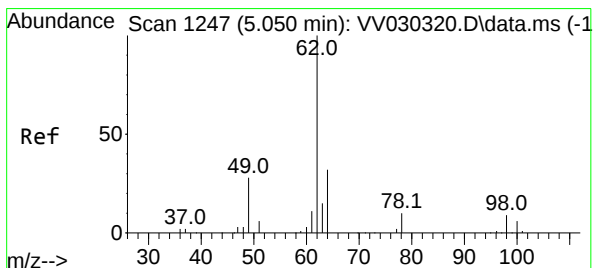
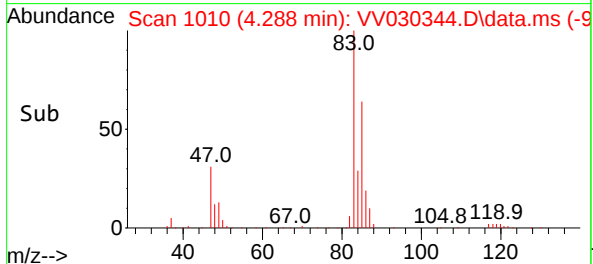
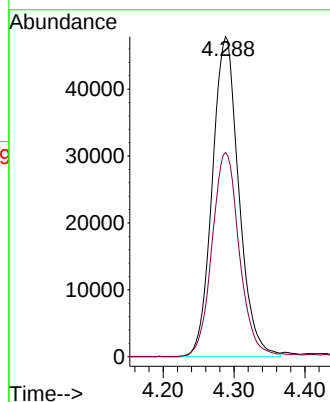
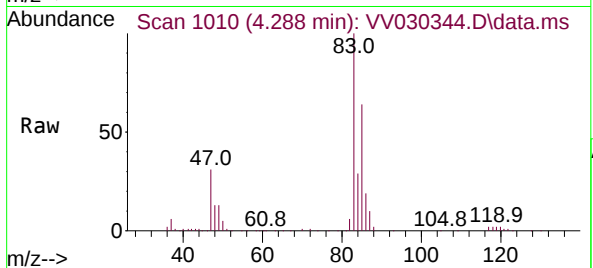
VSTD005315

Tgt Ion: 83 Resp: 124287

Ion Ratio Lower Upper

83 100

85 63.8 47.6 88.4



#27

1,2-Dichloroethane

Concen: 5.145 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030344.D

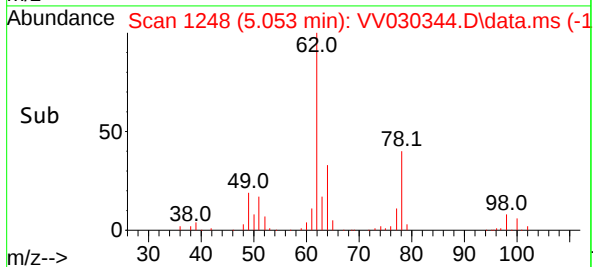
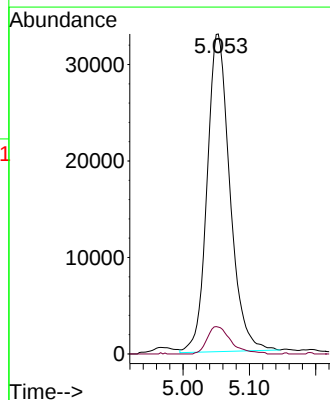
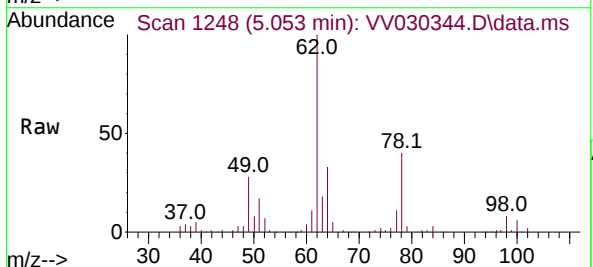
Acq: 29 Mar 2023 22:15

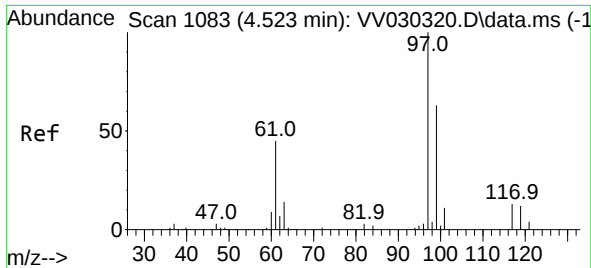
Tgt Ion: 62 Resp: 78701

Ion Ratio Lower Upper

62 100

98 8.4 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.977 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

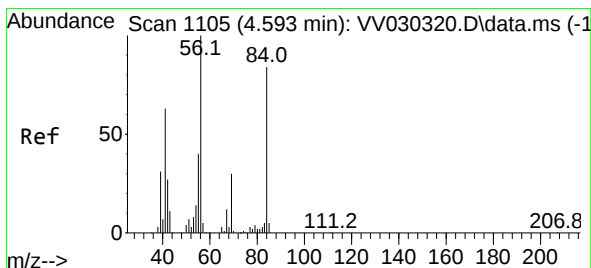
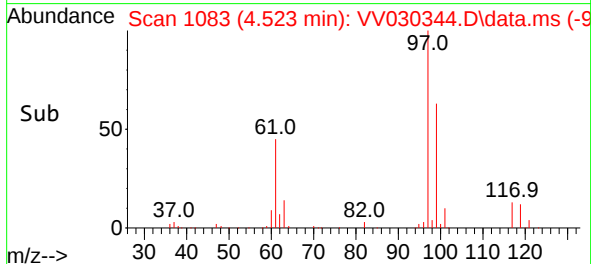
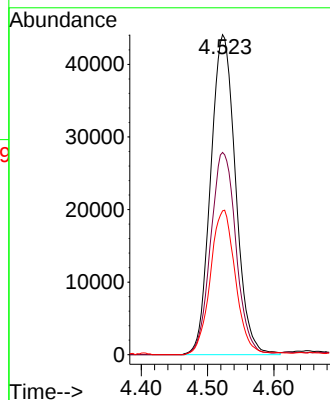
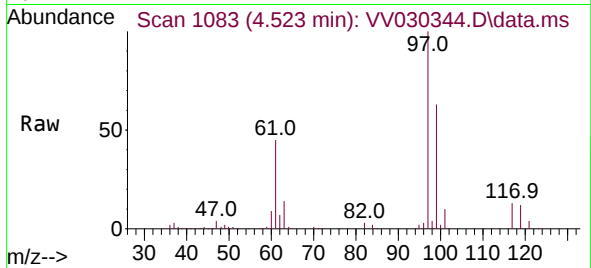
Tgt Ion: 97 Resp: 115018

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 46.0 35.9 53.9



#30

Cyclohexane

Concen: 4.942 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

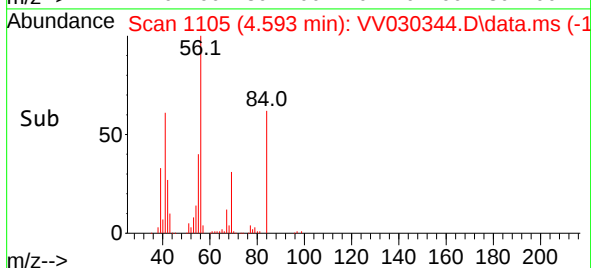
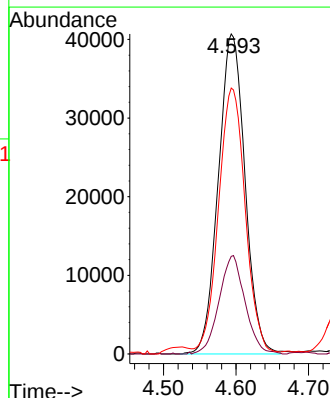
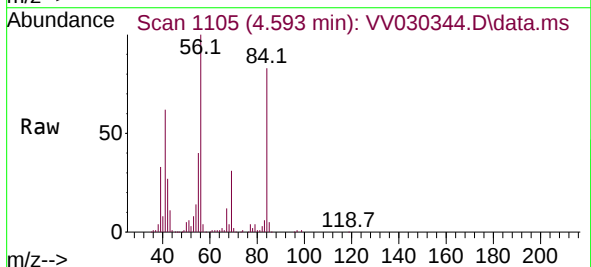
Tgt Ion: 56 Resp: 104033

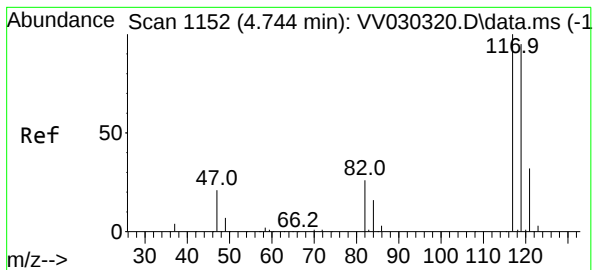
Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.2

84 82.5 66.6 100.0

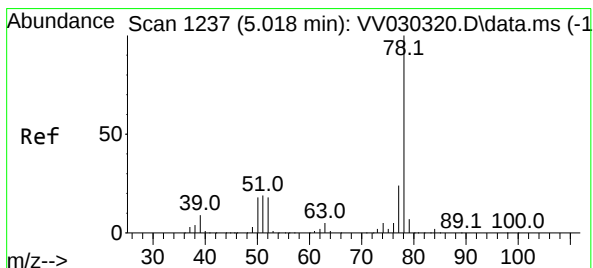
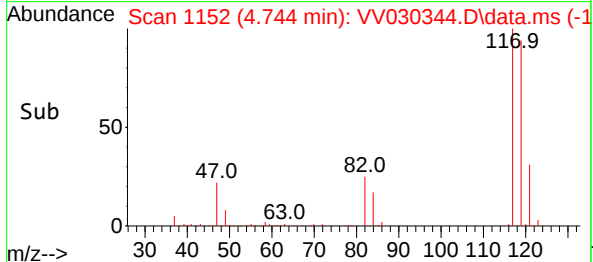
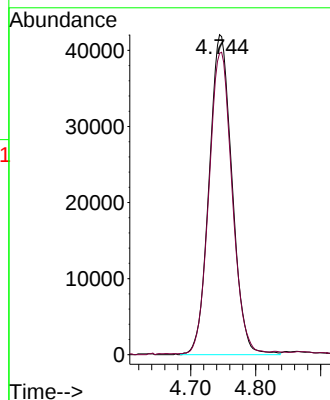
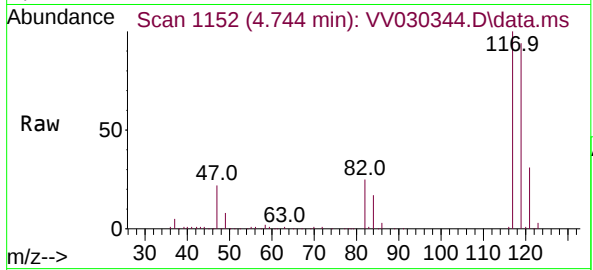




#31
Carbon tetrachloride
Concen: 4.922 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

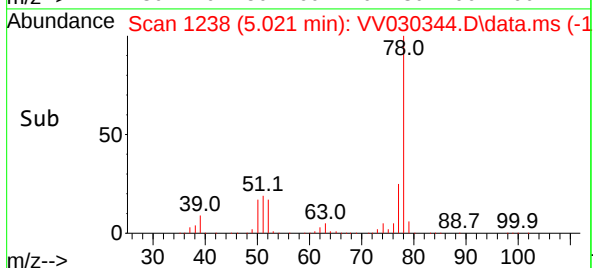
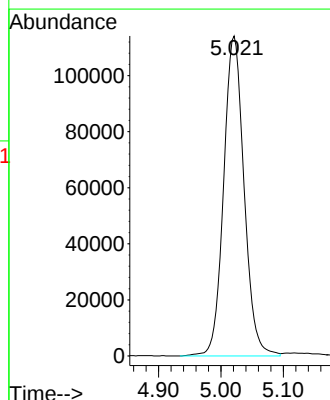
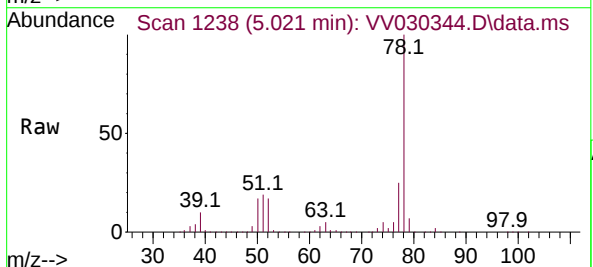
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

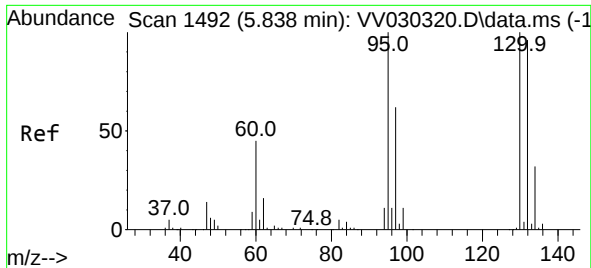
Tgt Ion:117 Resp: 103201
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.4



#33
Benzene
Concen: 5.091 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion: 78 Resp: 259992



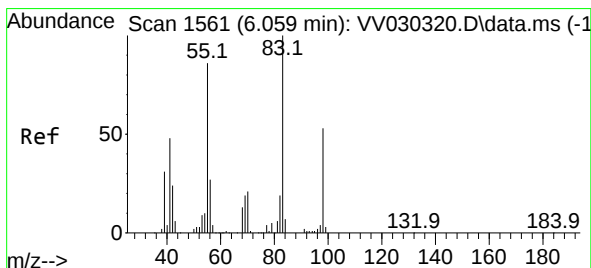
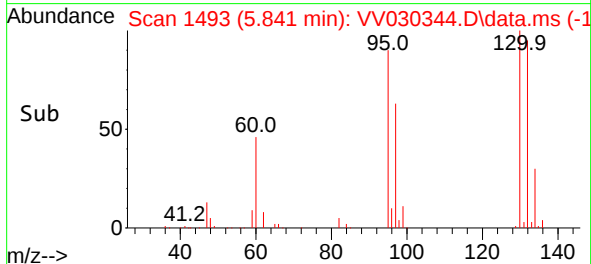
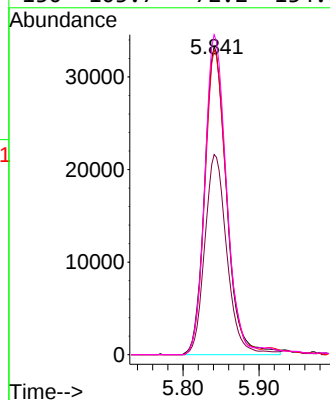
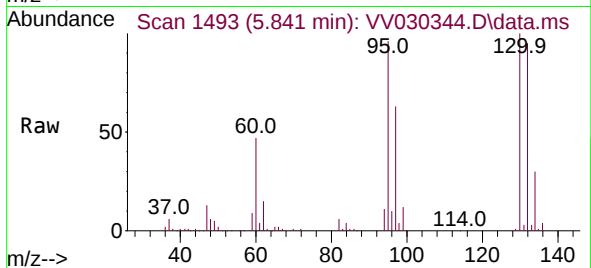


#34
Trichloroethene
Concen: 4.883 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

Tgt Ion: 95 Resp: 67249

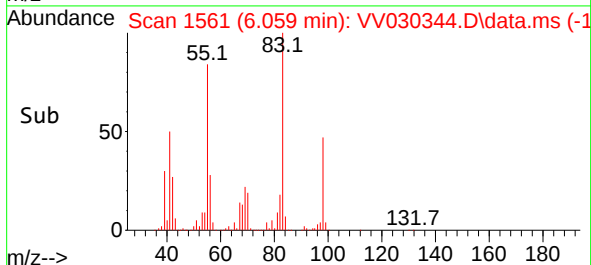
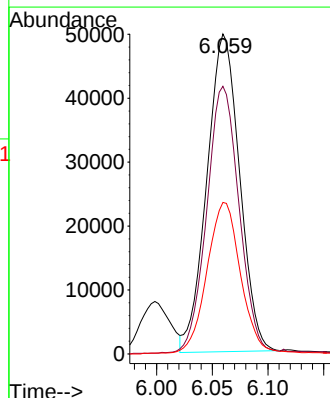
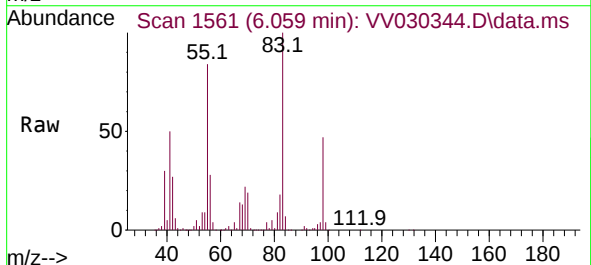
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.2	82.2
132	98.9	69.5	129.1
130	103.7	72.2	134.0

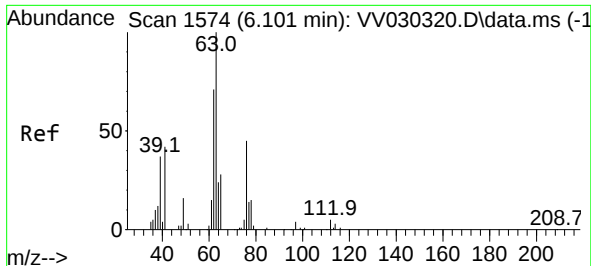


#35
Methylcyclohexane
Concen: 4.699 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion: 83 Resp: 101585

Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.6	100.0
98	49.6	38.6	58.0





#37

1,2-Dichloropropane

Concen: 5.026 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

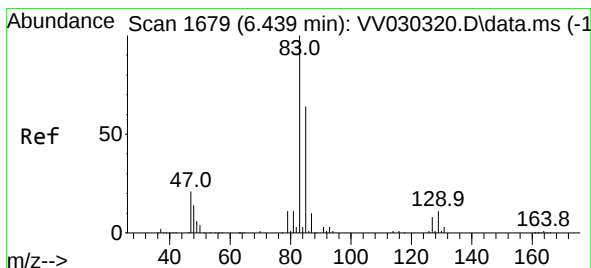
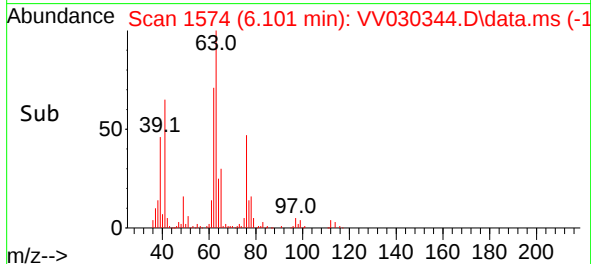
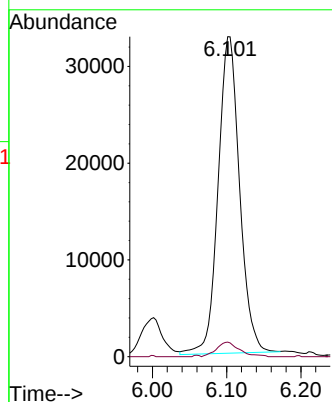
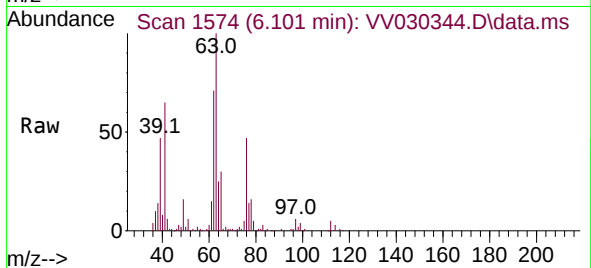
VSTD005315

Tgt Ion: 63 Resp: 65888

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 5.043 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

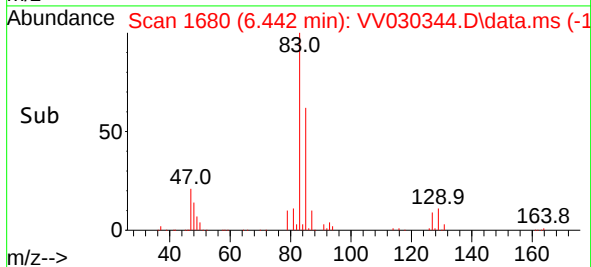
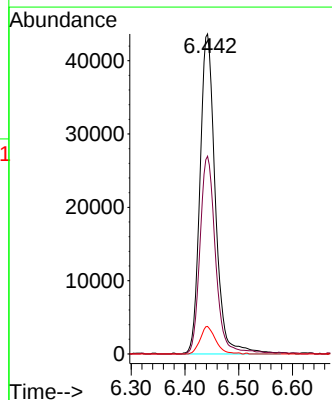
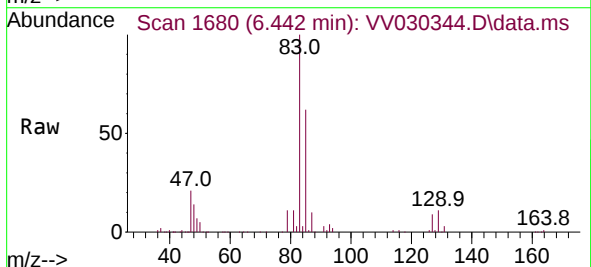
Tgt Ion: 83 Resp: 86585

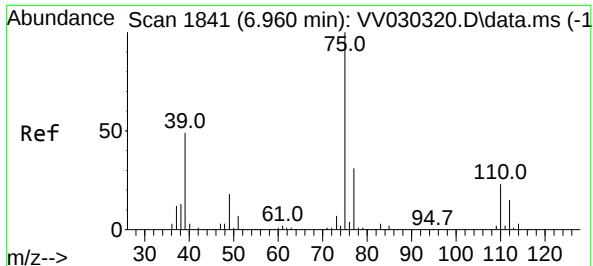
Ion Ratio Lower Upper

83 100

85 61.8 45.3 84.1

127 8.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.628 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

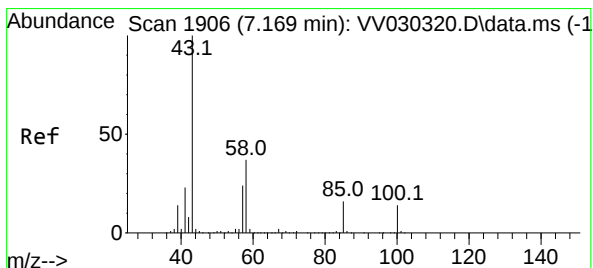
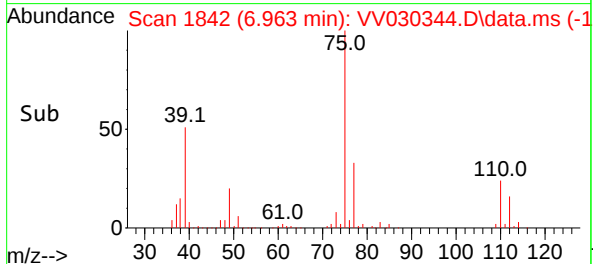
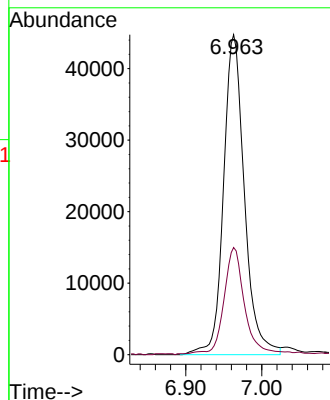
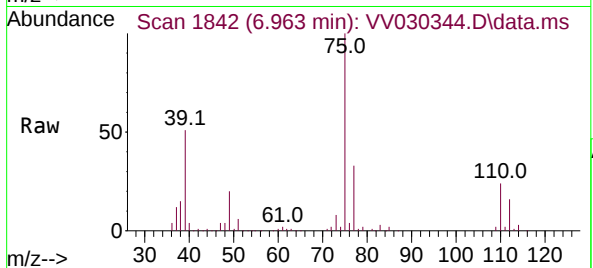
VSTD005315

Tgt Ion: 75 Resp: 85323

Ion Ratio Lower Upper

75 100

77 33.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 52.187 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

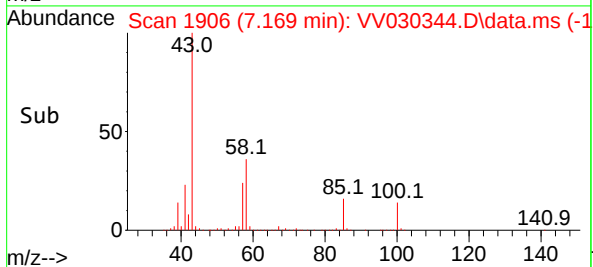
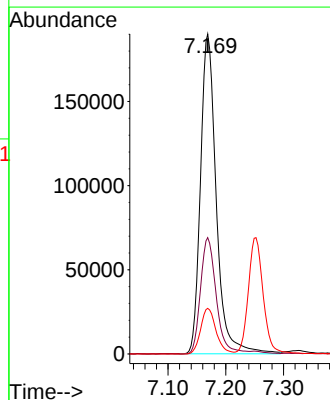
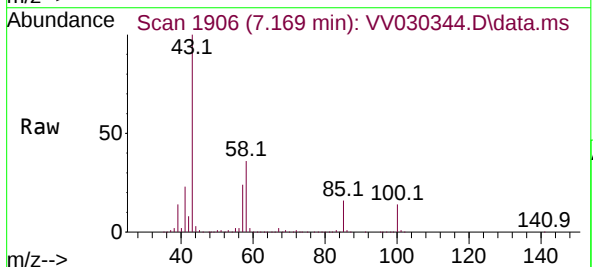
Tgt Ion: 43 Resp: 360524

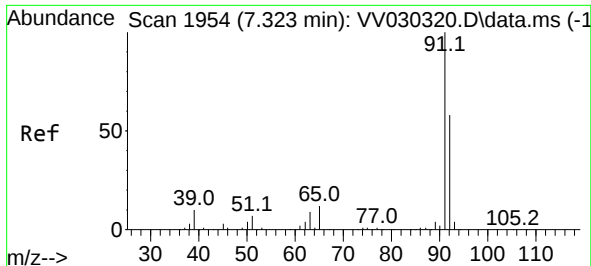
Ion Ratio Lower Upper

43 100

58 36.4 28.8 43.2

100 13.9 10.7 16.1





#42

Toluene

Concen: 5.234 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

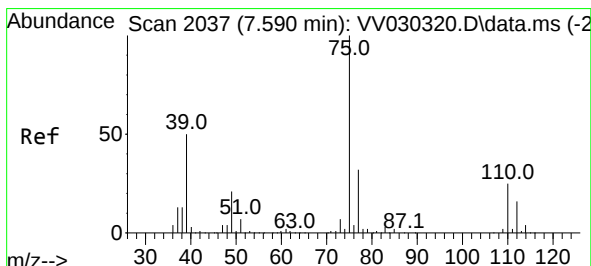
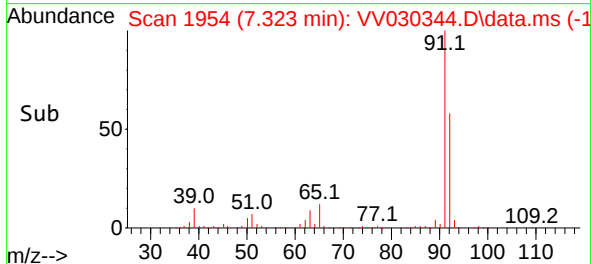
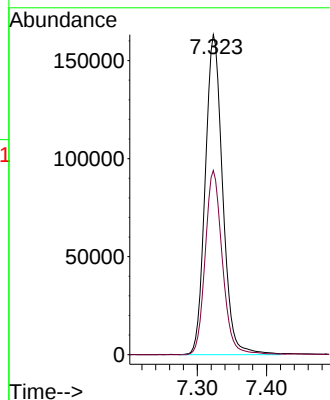
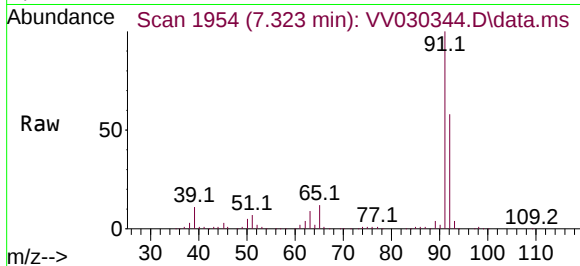
VSTD005315

Tgt Ion: 91 Resp: 284692

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.635 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030344.D

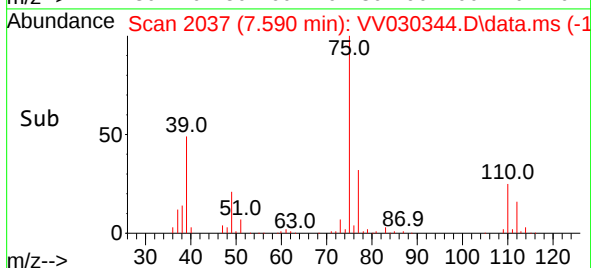
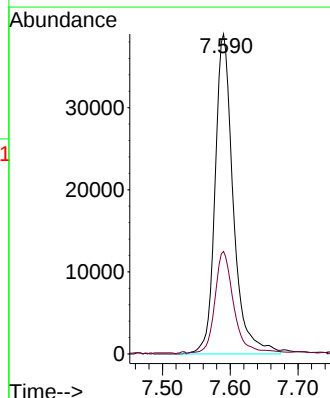
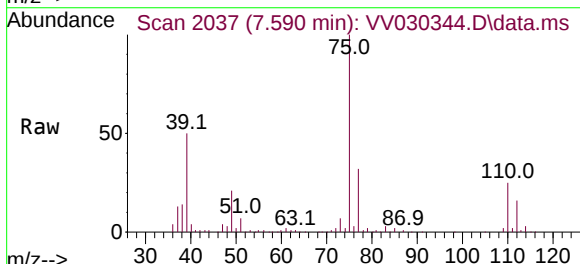
Acq: 29 Mar 2023 22:15

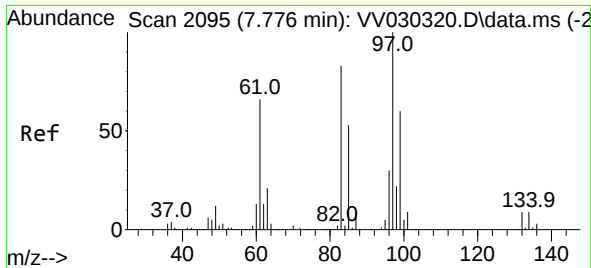
Tgt Ion: 75 Resp: 72699

Ion Ratio Lower Upper

75 100

77 32.0 21.2 39.4

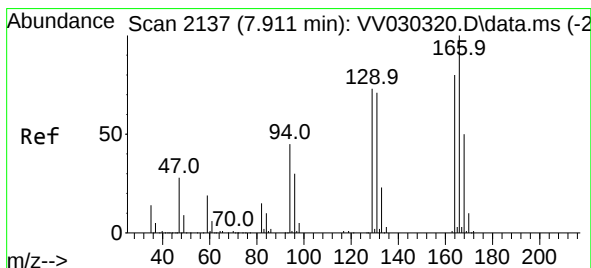
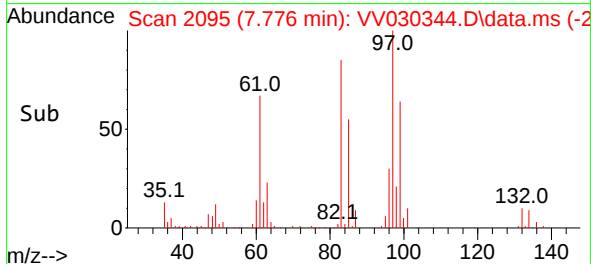
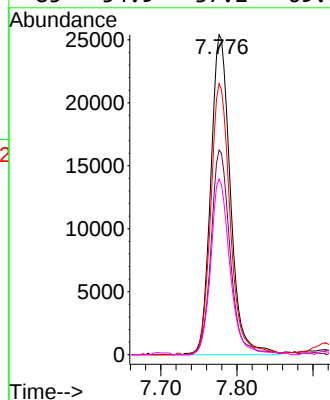
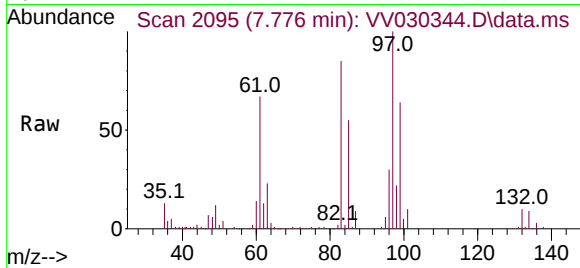




#45
1,1,2-Trichloroethane
Concen: 4.928 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

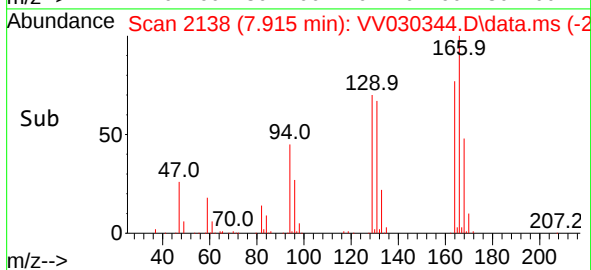
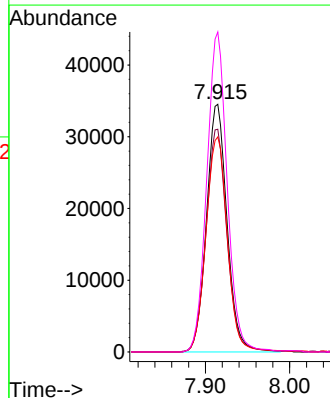
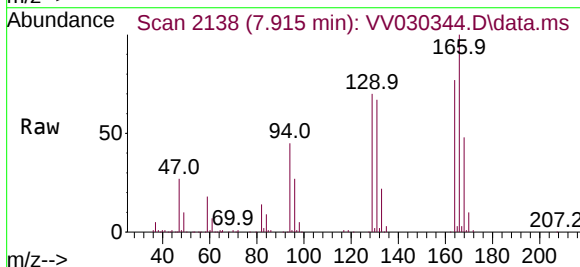
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

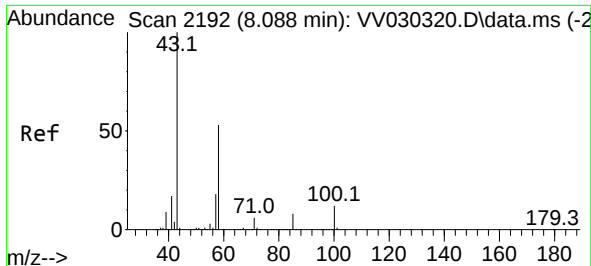
Tgt Ion:	97	Resp:	45494
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.0	81.8
83	84.7	58.8	109.2
85	54.9	37.2	69.0



#47
Tetrachloroethene
Concen: 4.833 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion:	164	Resp:	58746
Ion	Ratio	Lower	Upper
164	100		
129	89.9	60.8	112.8
131	86.8	61.7	114.7
166	129.2	85.6	159.0



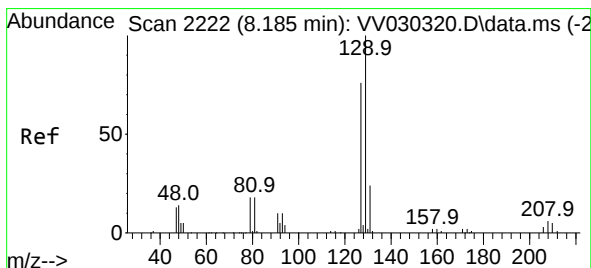
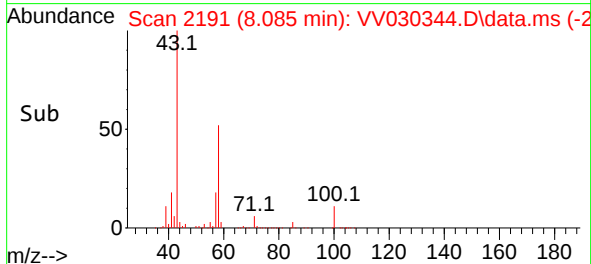
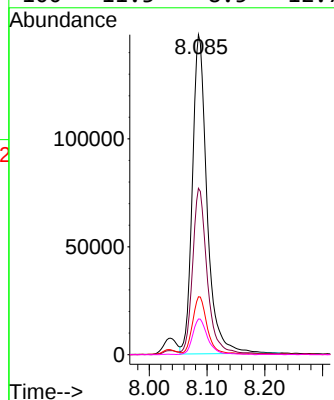
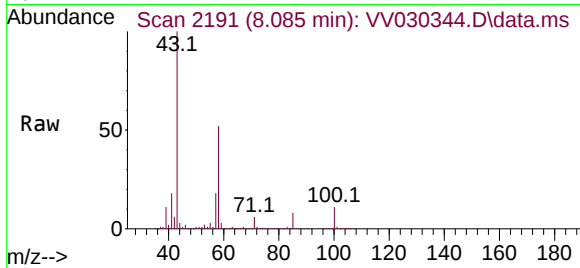


#48
2-Hexanone
Concen: 50.484 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

Tgt Ion: 43 Resp: 261194

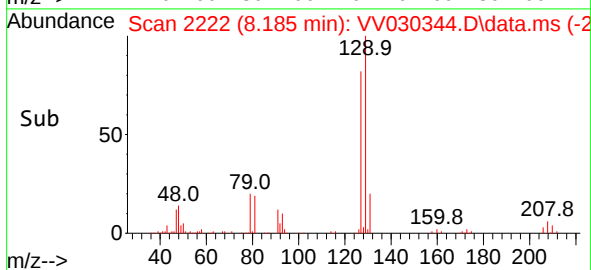
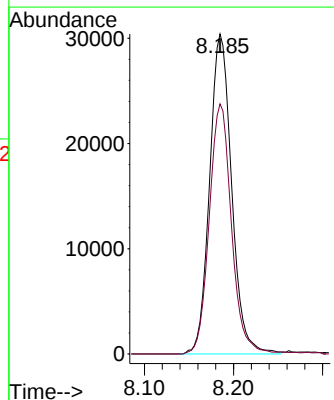
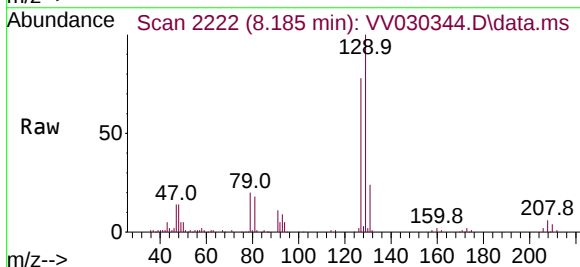
Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.3	60.5
57	17.7	14.6	22.0
100	11.3	8.5	12.7

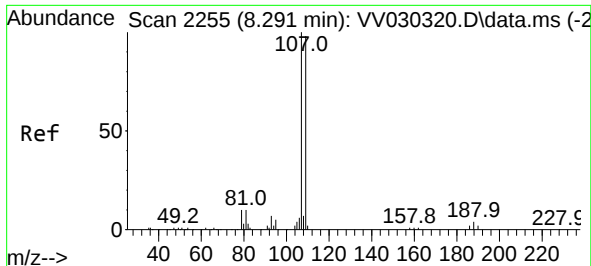


#49
Dibromochloromethane
Concen: 4.747 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion: 129 Resp: 52159

Ion	Ratio	Lower	Upper
129	100		
127	78.1	52.7	97.9

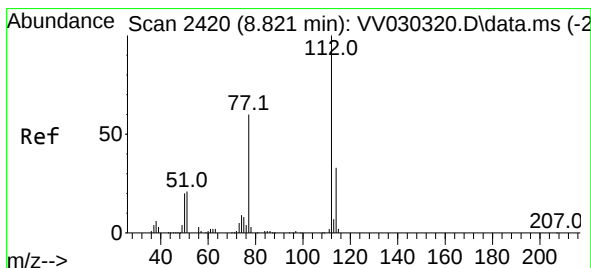
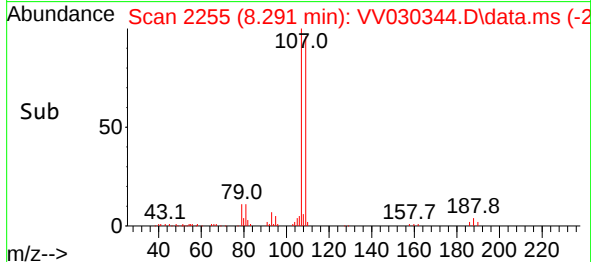
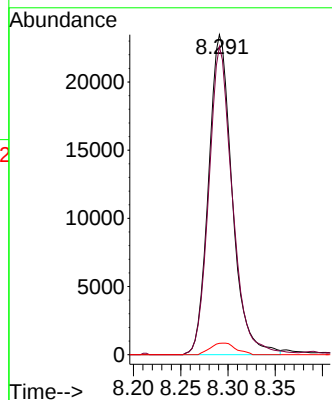
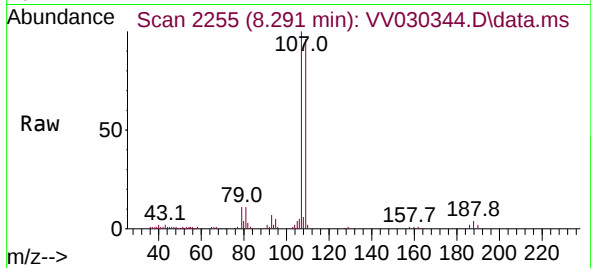




#50
1,2-Dibromoethane
Concen: 4.859 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

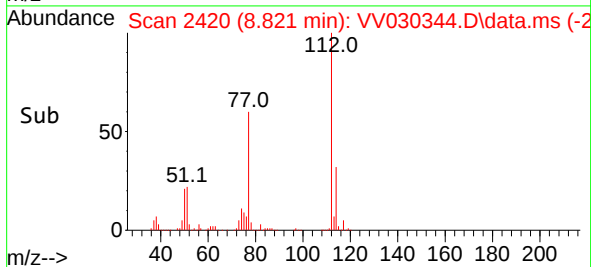
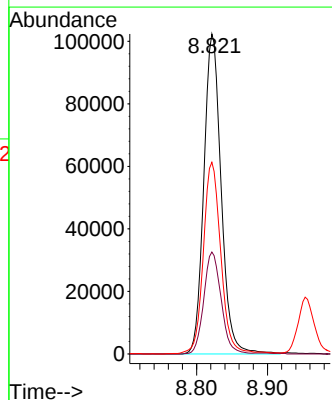
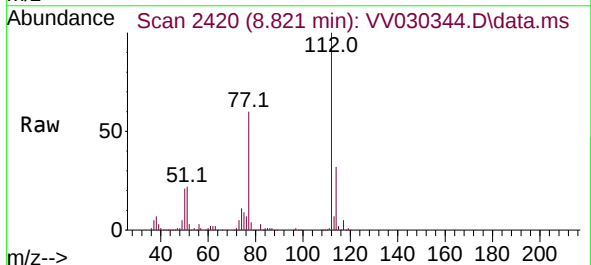
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

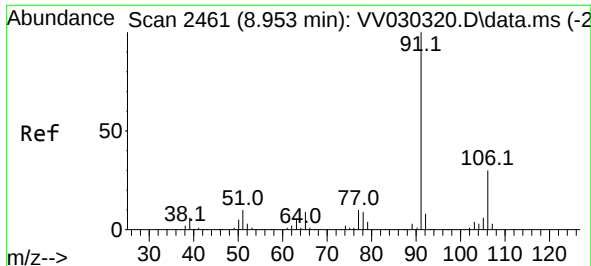
Tgt Ion:	107	Resp:	40803
Ion	Ratio	Lower	Upper
107	100		
109	96.3	62.9	116.9
188	3.6	3.0	4.6



#51
Chlorobenzene
Concen: 4.996 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion:	112	Resp:	173993
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	59.9	45.9	68.9





#52

Ethylbenzene

Concen: 4.964 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

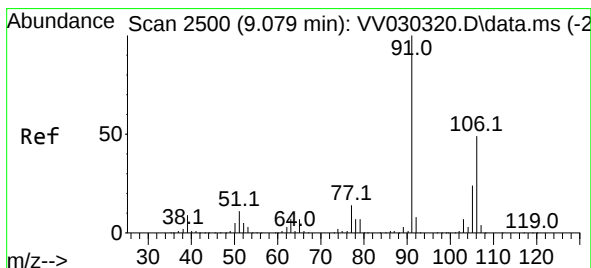
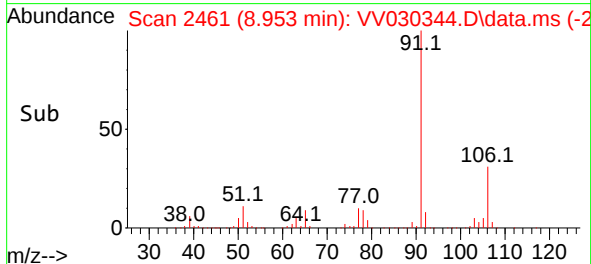
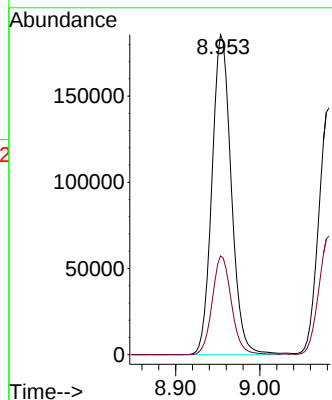
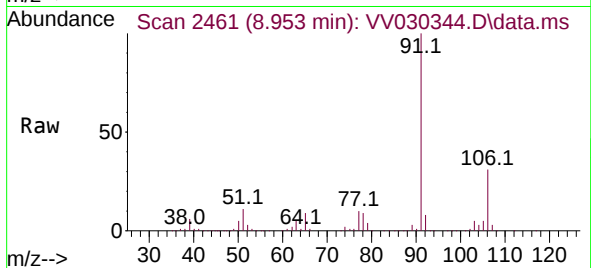
VSTD005315

Tgt Ion: 91 Resp: 295390

Ion Ratio Lower Upper

91 100

106 30.9 22.2 41.2



#53

m,p-Xylene

Concen: 4.967 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.003 min

Lab File: VV030344.D

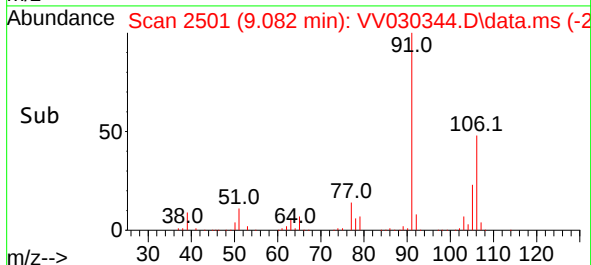
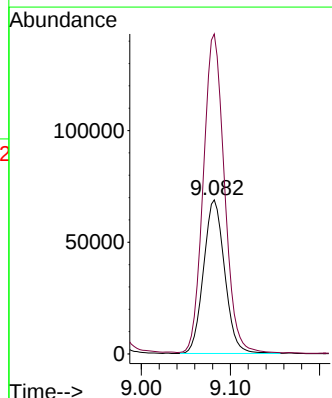
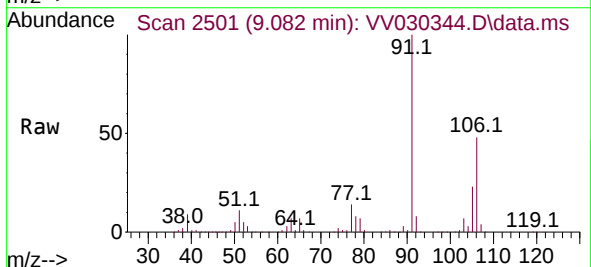
Acq: 29 Mar 2023 22:15

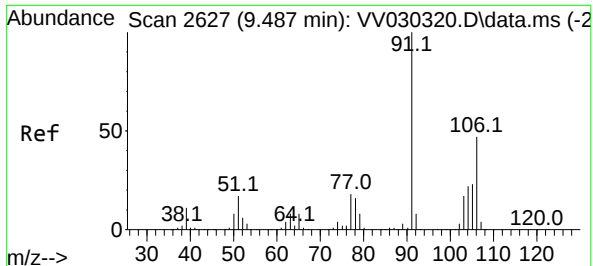
Tgt Ion: 106 Resp: 113157

Ion Ratio Lower Upper

106 100

91 207.6 142.4 264.4

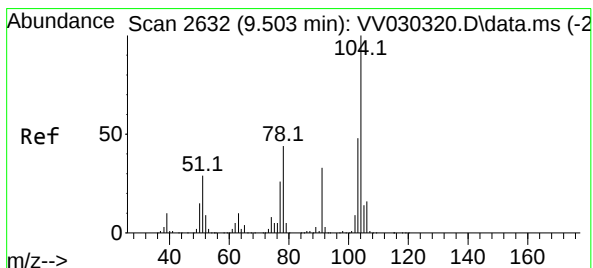
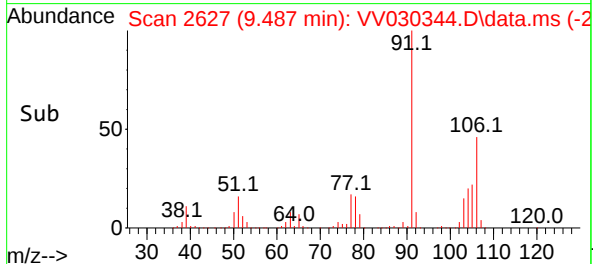
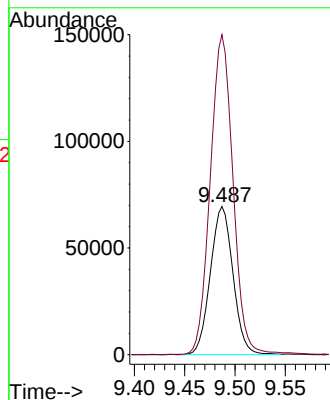
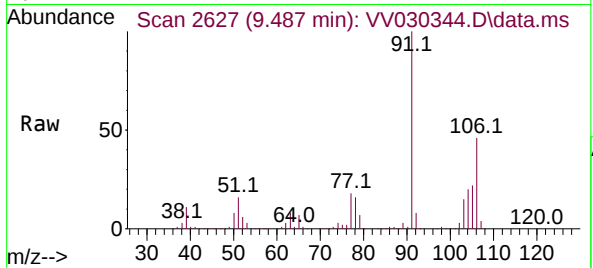




#54
o-Xylene
Concen: 4.991 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

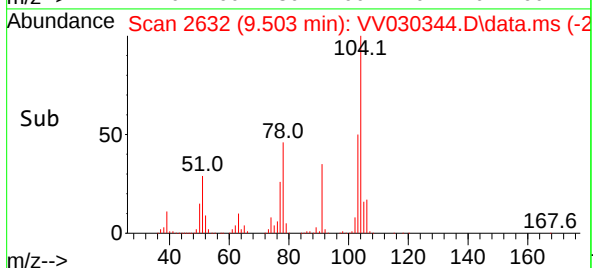
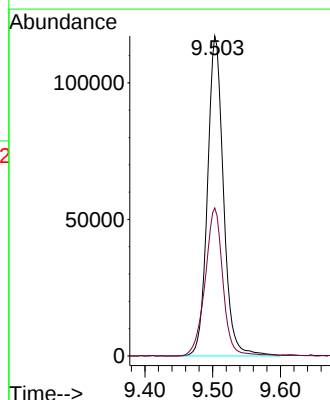
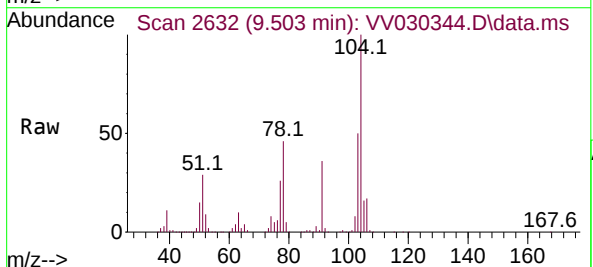
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

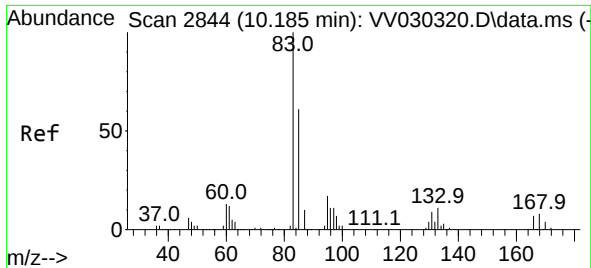
Tgt Ion:106 Resp: 108789
Ion Ratio Lower Upper
106 100
91 215.9 149.8 278.2



#55
Styrene
Concen: 5.197 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion:104 Resp: 192404
Ion Ratio Lower Upper
104 100
78 46.3 31.9 59.2

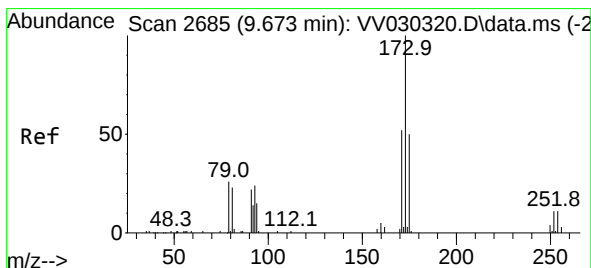
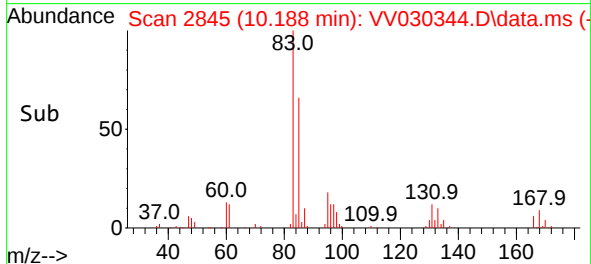
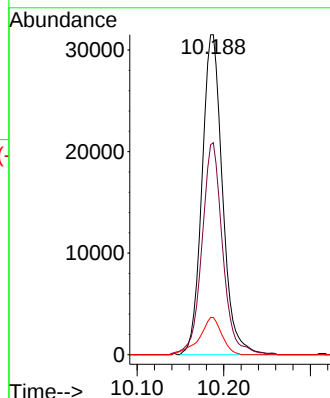
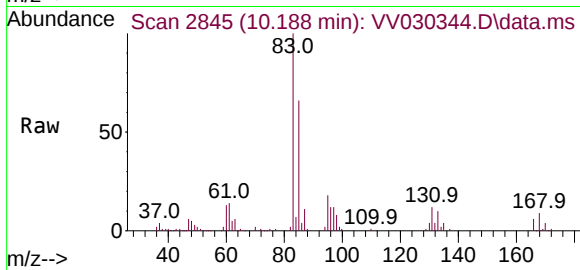




#57
 1,1,2-Tetrachloroethane
 Concen: 4.735 ug/L
 RT: 10.188 min Scan# 2844
 Delta R.T. 0.003 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

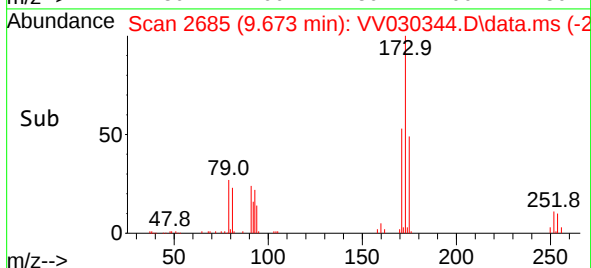
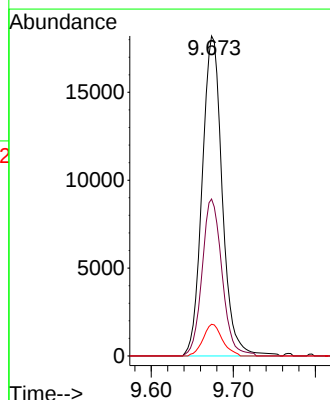
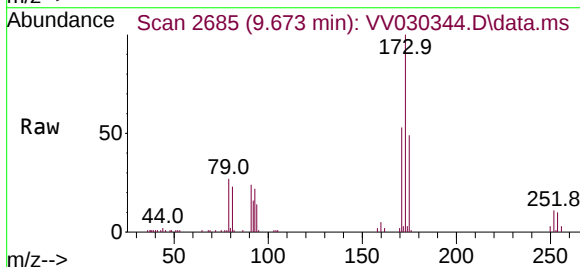
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

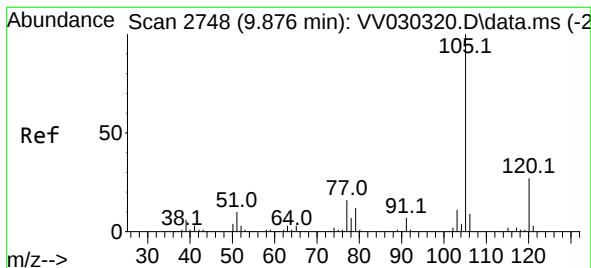
Tgt Ion:	83	Resp:	51876
Ion Ratio	Lower	Upper	
83	100		
85	66.2	45.3	84.1
131	11.6	8.2	12.4



#59
 Bromoform
 Concen: 4.667 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. 0.000 min
 Lab File: VV030344.D
 Acq: 29 Mar 2023 22:15

Tgt Ion:	173	Resp:	30942
Ion Ratio	Lower	Upper	
173	100		
175	48.7	39.0	58.4
254	9.6	8.2	12.4





#60

Isopropylbenzene

Concen: 4.961 ug/L

RT: 9.876 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

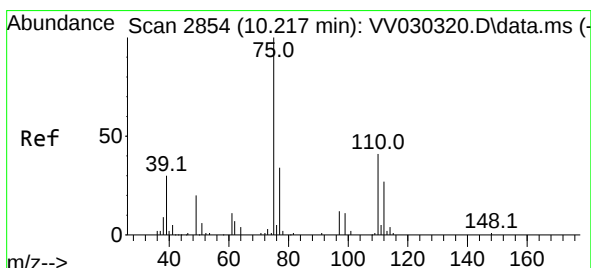
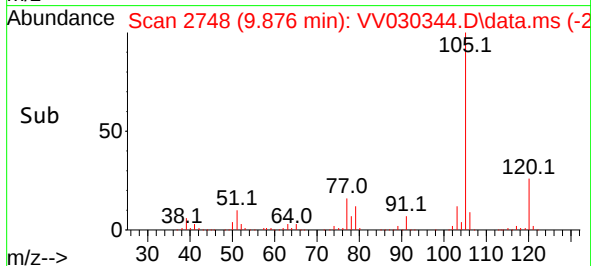
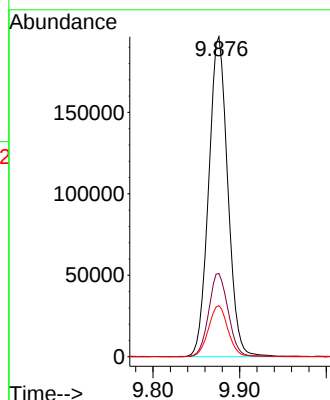
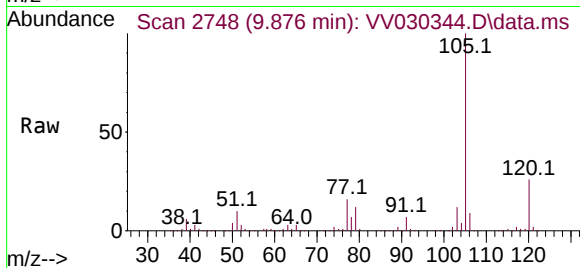
Tgt Ion:105 Resp: 300116

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

77 16.5 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 4.997 ug/L

RT: 10.217 min Scan# 2854

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

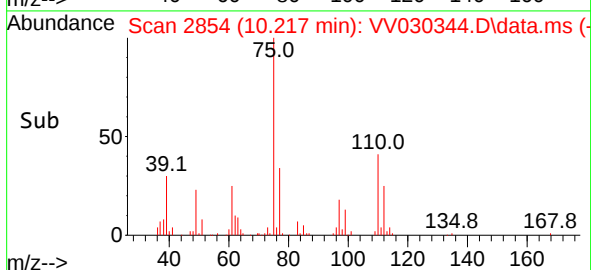
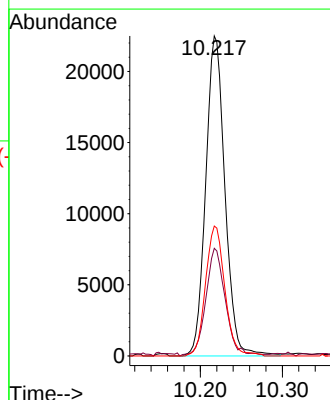
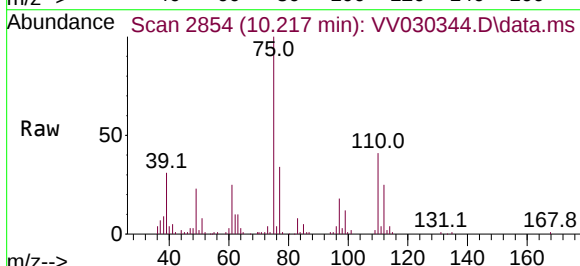
Tgt Ion: 75 Resp: 36650

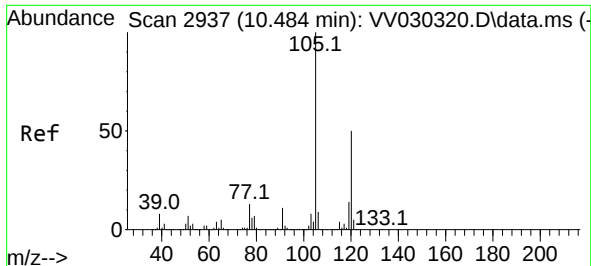
Ion Ratio Lower Upper

75 100

77 33.7 26.0 39.0

110 40.7 31.6 47.4

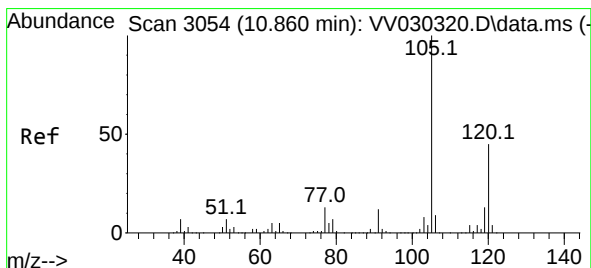
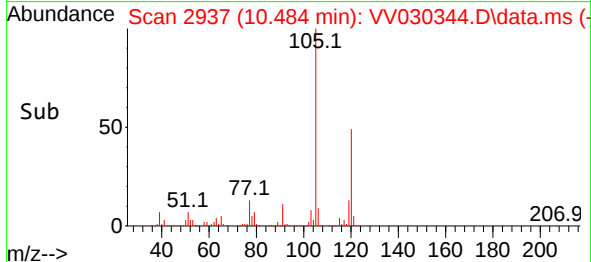
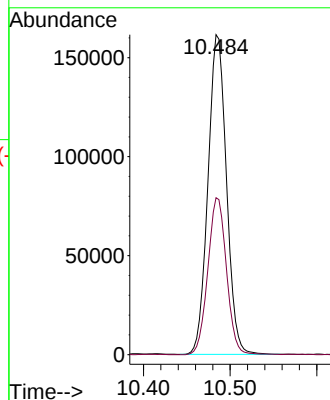
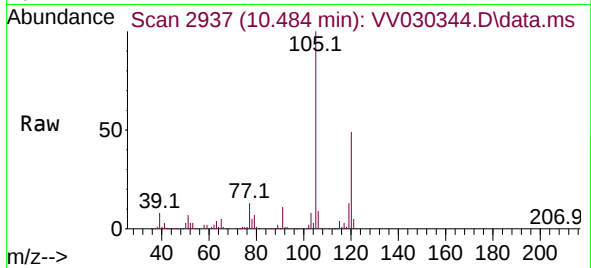




#62
1,3,5-Trimethylbenzene
Concen: 4.860 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

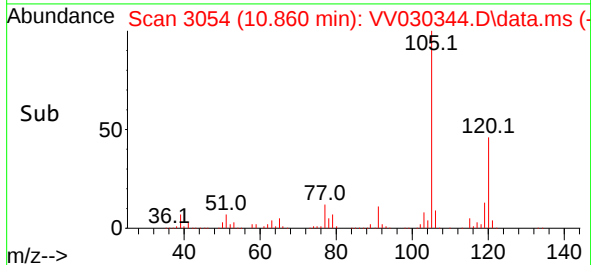
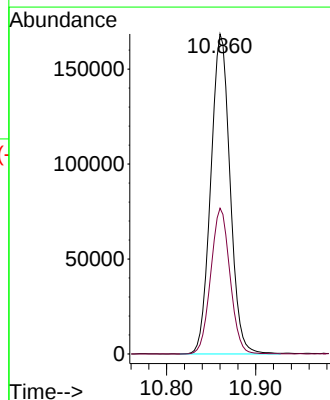
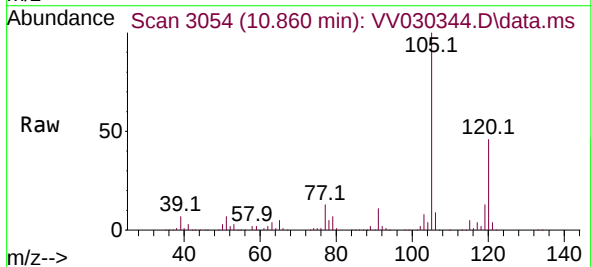
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

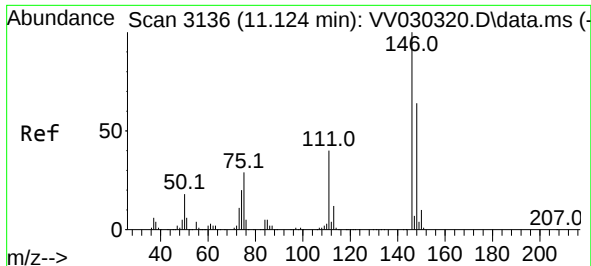
Tgt Ion:105 Resp: 239890
Ion Ratio Lower Upper
105 100
120 49.5 38.9 58.3



#63
1,2,4-Trimethylbenzene
Concen: 5.026 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion:105 Resp: 252857
Ion Ratio Lower Upper
105 100
120 45.4 36.8 55.2

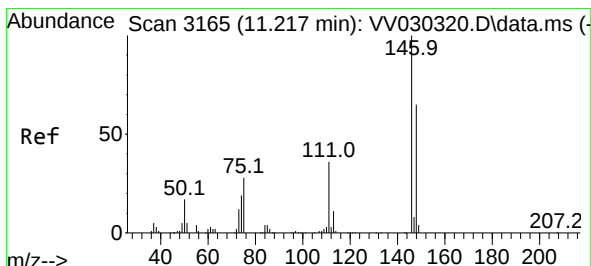
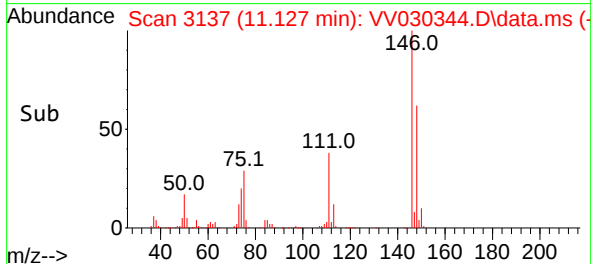
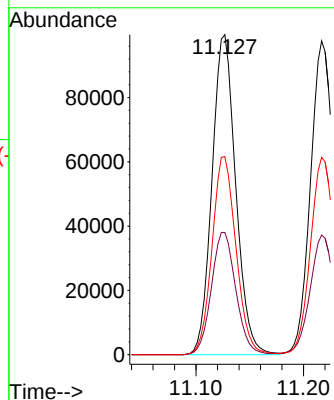
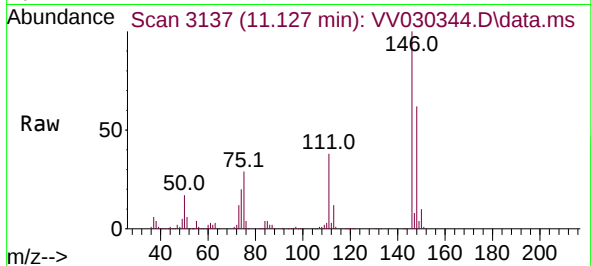




#64
1,3-Dichlorobenzene
Concen: 5.064 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

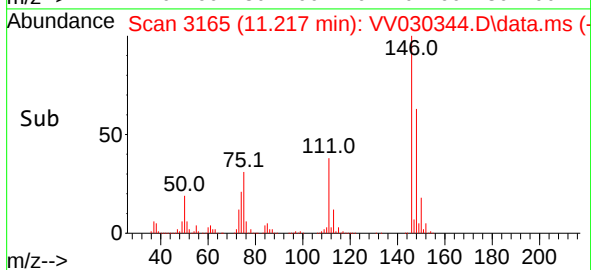
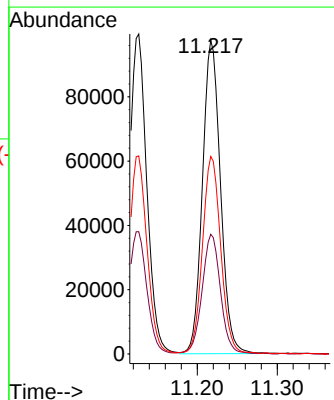
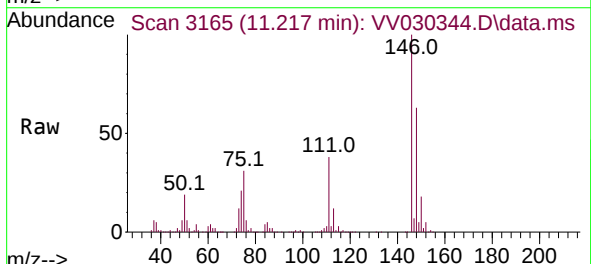
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

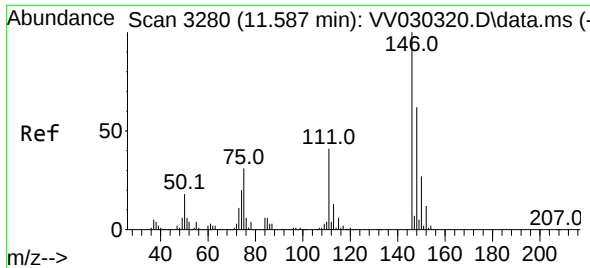
Tgt Ion:146 Resp: 152777
Ion Ratio Lower Upper
146 100
111 38.2 27.0 50.2
148 61.9 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 5.041 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion:146 Resp: 153211
Ion Ratio Lower Upper
146 100
111 38.1 26.0 48.4
148 63.0 45.2 84.0

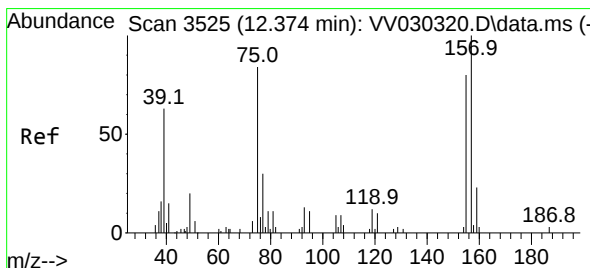
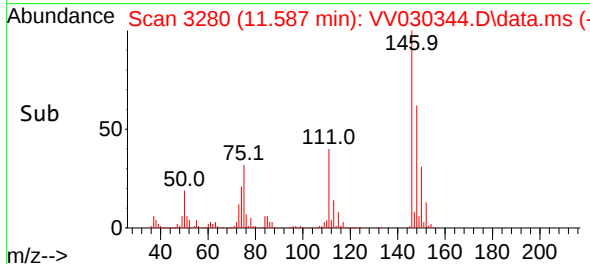
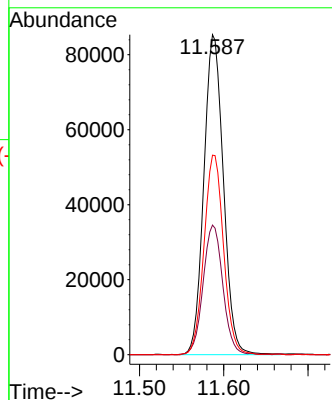
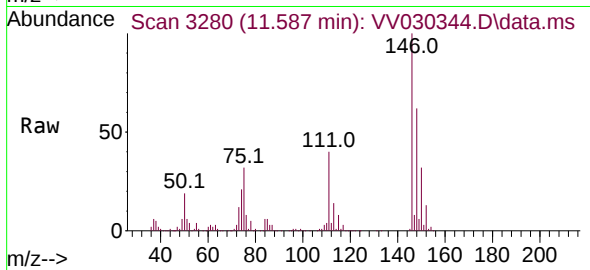




#67
1,2-Dichlorobenzene
Concen: 5.072 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

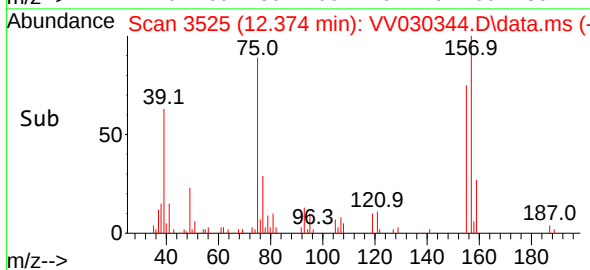
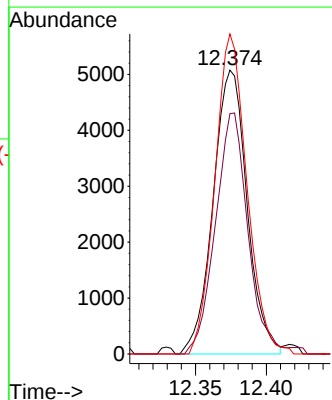
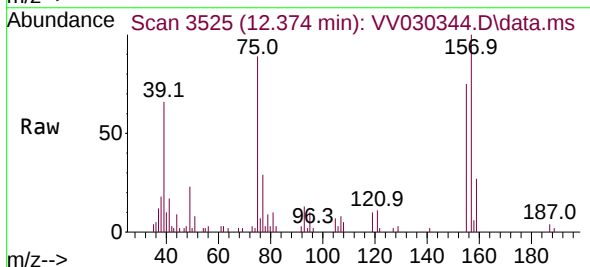
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

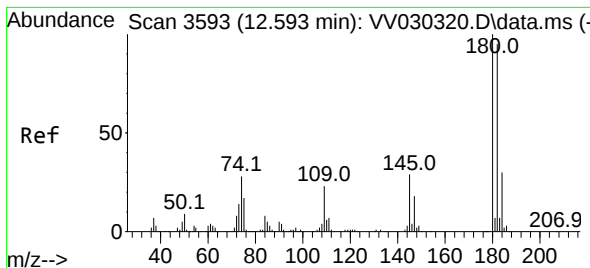
Tgt Ion:146 Resp: 137885
Ion Ratio Lower Upper
146 100
111 40.5 33.1 49.7
148 62.3 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.653 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030344.D
Acq: 29 Mar 2023 22:15

Tgt Ion: 75 Resp: 8489
Ion Ratio Lower Upper
75 100
155 84.7 64.6 96.8
157 112.8 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 4.926 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

Tgt Ion:180 Resp: 114411

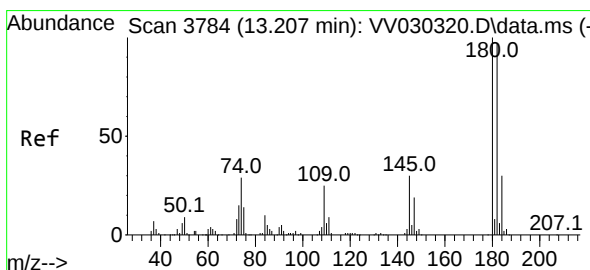
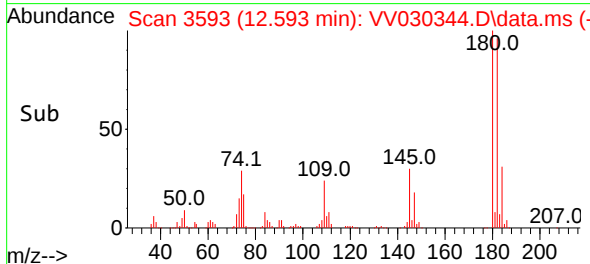
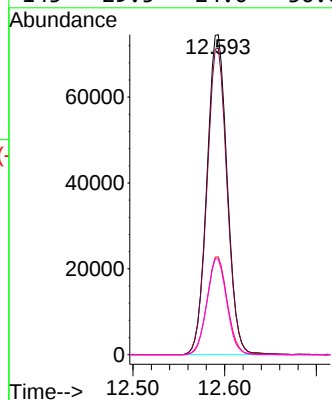
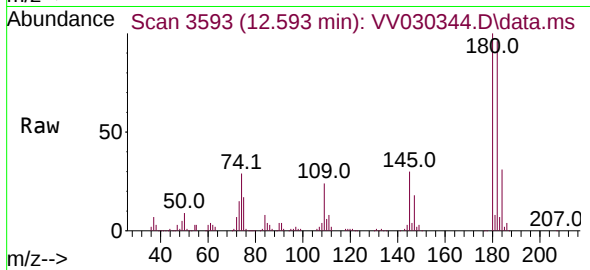
Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

184 30.5 24.0 36.0

145 29.5 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.875 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

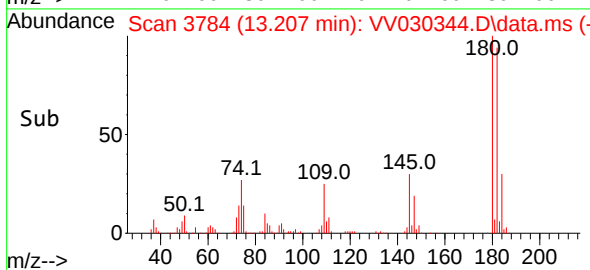
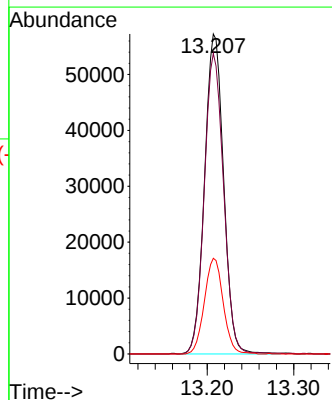
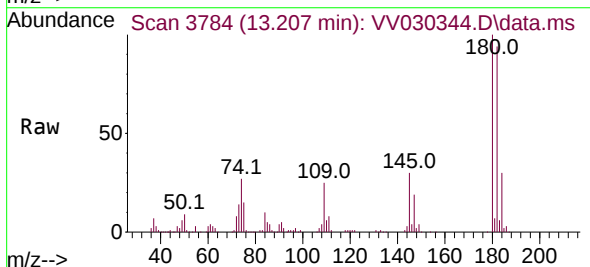
Tgt Ion:180 Resp: 87421

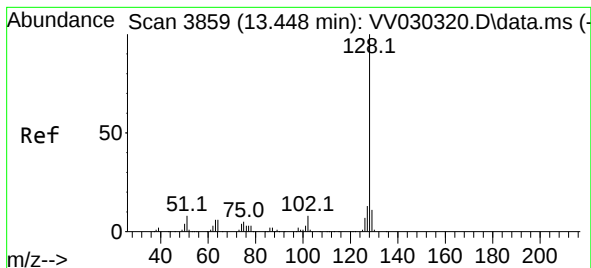
Ion Ratio Lower Upper

180 100

182 94.9 75.3 112.9

145 29.5 23.8 35.6





#71

Naphthalene

Concen: 4.645 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

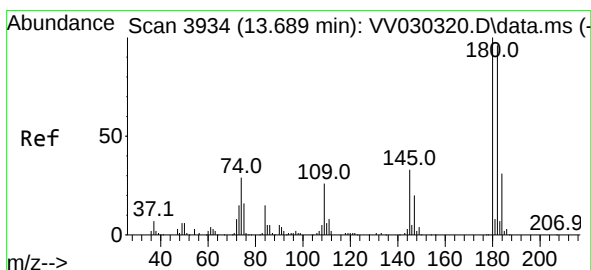
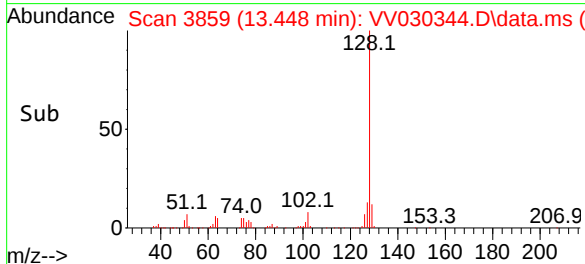
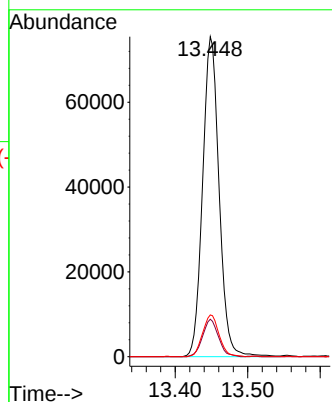
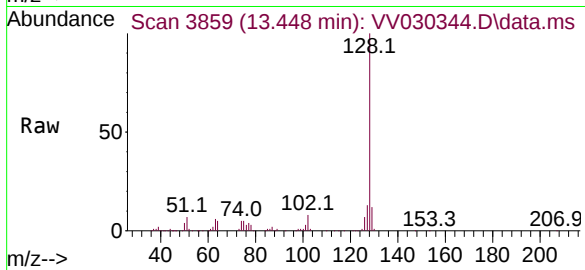
Tgt Ion:128 Resp: 118982

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.1 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.803 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030344.D

Acq: 29 Mar 2023 22:15

Tgt Ion:180 Resp: 74627

Ion Ratio Lower Upper

180 100

182 93.8 76.6 115.0

145 31.8 25.0 37.4

