

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031522\
 Data File : VW025033.D
 Acq On : 16 Mar 2022 05:52
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005332

Quant Time: Mar 16 06:51:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 16 05:10:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	159726	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	148453	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	71449	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	59947	4.754	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	95.000%	
7) Chloroethane-d5	1.571	69	45449	4.922	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	98.400%	
11) 1,1-Dichloroethene-d2	2.111	63	100177	4.915	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	98.400%	
20) 2-Butanone-d5	3.896	46	96651	63.420	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	126.840%	
24) Chloroform-d	4.352	84	105607	5.049	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.000%	
26) 1,2-Dichloroethane-d4	5.034	65	44250	5.061	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.200%	
32) Benzene-d6	5.050	84	217722	5.056	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.200%	
36) 1,2-Dichloropropane-d6	6.069	67	63013	5.088	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.800%	
41) Toluene-d8	7.317	98	200026	5.096	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.000%	
43) trans-1,3-Dichloroprop...	7.622	79	20616	4.776	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.600%	
46) 2-Hexanone-d5	8.088	63	80659	54.777	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	109.560%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	39041	5.359	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	107.200%	
66) 1,2-Dichlorobenzene-d4	11.622	152	61431	5.079	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	65097	4.613	ug/L	98
3) Chloromethane	1.243	50	65233	4.901	ug/L	99
5) Vinyl chloride	1.314	62	69778	4.969	ug/L	99
6) Bromomethane	1.523	94	44389	4.891	ug/L	98
8) Chloroethane	1.587	64	42073	4.941	ug/L	100
9) Trichlorofluoromethane	1.754	101	92580	4.847	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	50093	4.837	ug/L	97
12) 1,1-Dichloroethene	2.121	96	50688	4.982	ug/L	97
13) Acetone	2.188	43	60324	59.186	ug/L	81
14) Carbon disulfide	2.298	76	174492	4.793	ug/L	100
15) Methyl Acetate	2.442	43	17491	6.264	ug/L	90
16) Methylene chloride	2.510	84	62714	5.086	ug/L	97
17) Methyl tert-butyl Ether	2.770	73	111727	5.041	ug/L	99
18) trans-1,2-Dichloroethene	2.764	96	60141	4.911	ug/L	98
19) 1,1-Dichloroethane	3.191	63	107038	5.136	ug/L	99
21) 2-Butanone	3.982	43	97397	60.545	ug/L	87
22) cis-1,2-Dichloroethene	3.915	96	63379	5.127	ug/L	94
23) Bromochloromethane	4.249	128	24997	5.128	ug/L	97
25) Chloroform	4.378	83	111175	5.123	ug/L	99

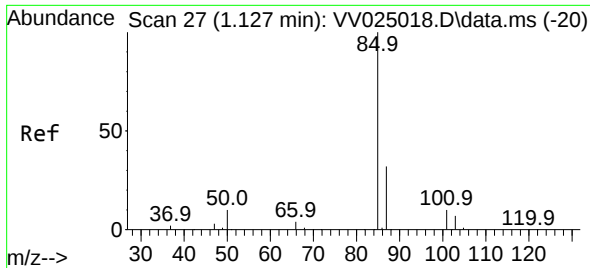
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 16 05:10:39 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	54483	5.050	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	95546	5.047	ug/L	99
30) Cyclohexane	4.677	56	87366	4.743	ug/L	99
31) Carbon tetrachloride	4.828	117	80579	4.961	ug/L	99
33) Benzene	5.101	78	243959	5.052	ug/L	100
34) Trichloroethene	5.915	95	64247	4.997	ug/L	98
35) Methylcyclohexane	6.130	83	92433	4.542	ug/L	99
37) 1,2-Dichloropropane	6.175	63	59405	5.354	ug/L	100
38) Bromodichloromethane	6.510	83	70886	5.052	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	76126	4.941	ug/L	98
40) 4-Methyl-2-pentanone	7.227	43	242347	53.078	ug/L	98
42) Toluene	7.387	91	261879	5.182	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	58496	4.825	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	38621	5.211	ug/L	98
47) Tetrachloroethene	7.976	164	44367	4.905	ug/L	99
48) 2-Hexanone	8.140	43	169626	52.402	ug/L	97
49) Dibromochloromethane	8.246	129	42922	5.174	ug/L	98
50) 1,2-Dibromoethane	8.352	107	35088	5.173	ug/L	98
51) Chlorobenzene	8.879	112	160908	5.085	ug/L	98
52) Ethylbenzene	9.011	91	273377	5.114	ug/L	99
53) m,p-xylene	9.136	106	105574	5.128	ug/L	99
54) o-xylene	9.542	106	101791	5.171	ug/L	93
55) Styrene	9.561	104	172937	5.394	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	39303	5.409	ug/L	98
59) Bromoform	9.731	173	18365	4.772	ug/L	97
60) Isopropylbenzene	9.931	105	274459	5.094	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	30663	5.103	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	121021	4.950	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	223125	5.153	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	119103	5.096	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	117156	4.972	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	105725	5.105	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	5093	4.944	ug/L	98
69) 1,3,5-Trichlorobenzene	12.644	180	82470	4.995	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	64930	5.048	ug/L	99
71) Naphthalene	13.500	128	108919	5.099	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	57147	5.243	ug/L	100

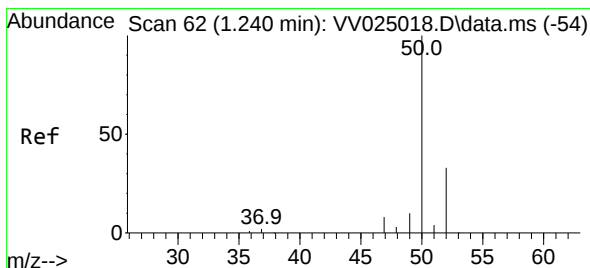
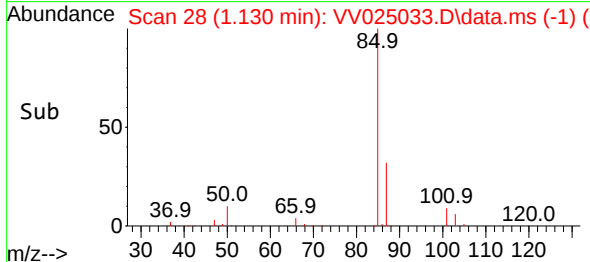
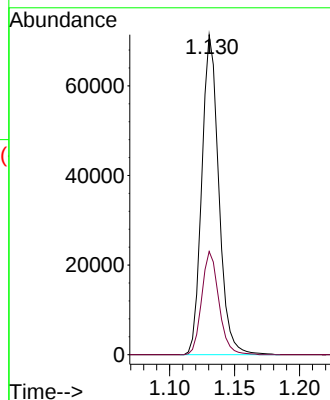
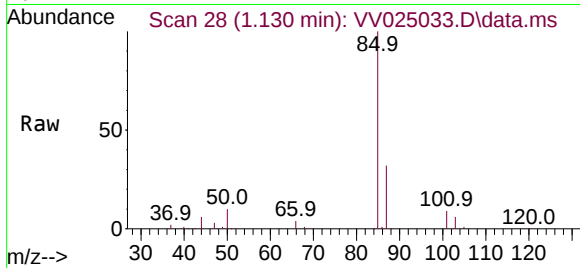
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.613 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

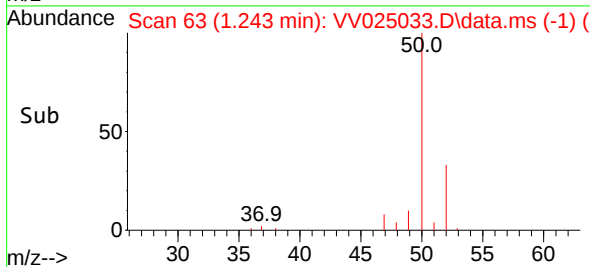
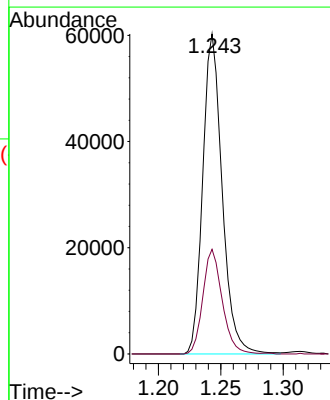
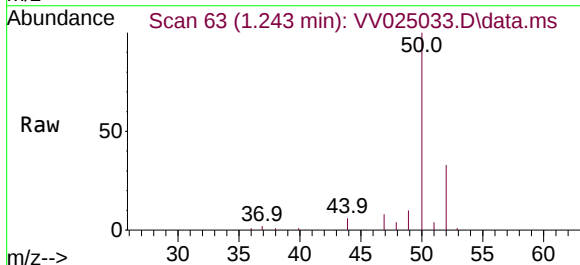
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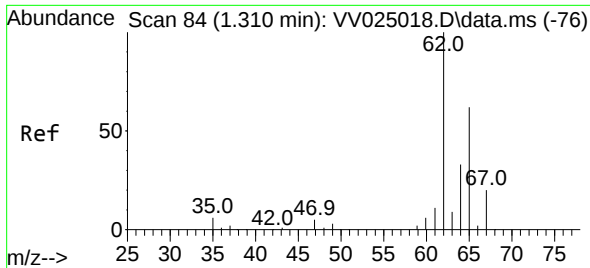
Tgt Ion: 85 Resp: 65097
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.7 40.1



#3
 Chloromethane
 Concen: 4.901 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

Tgt Ion: 50 Resp: 65233
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.2 43.2

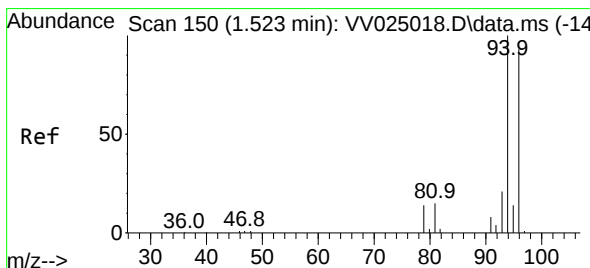
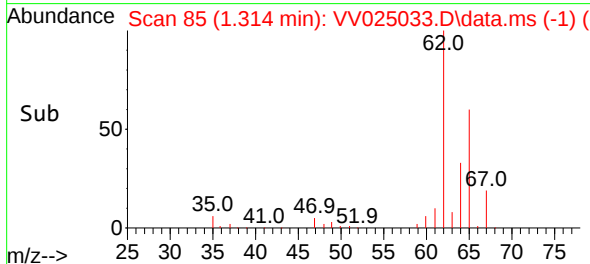
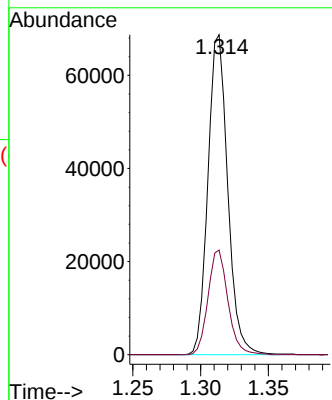
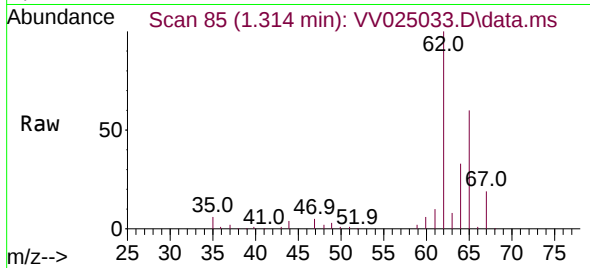




#5
 Vinyl chloride
 Concen: 4.969 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

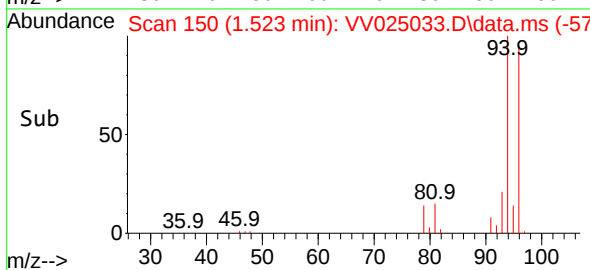
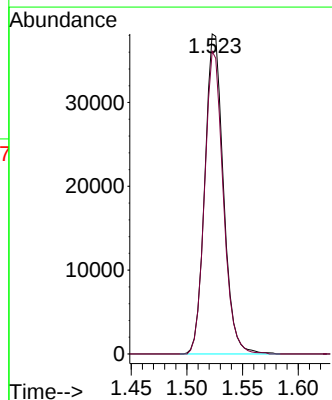
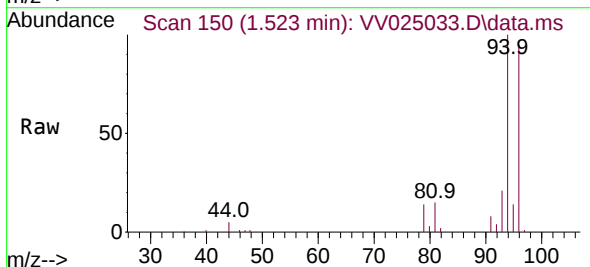
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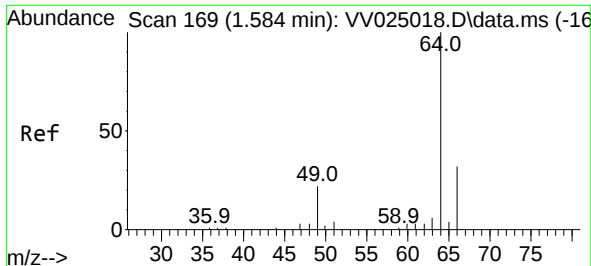
Tgt Ion: 62 Resp: 69778
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.4 43.4



#6
 Bromomethane
 Concen: 4.891 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

Tgt Ion: 94 Resp: 44389
 Ion Ratio Lower Upper
 94 100
 96 94.5 64.9 120.5

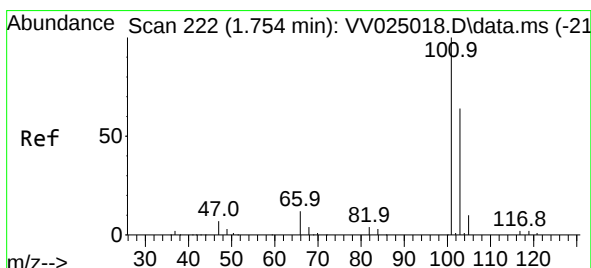
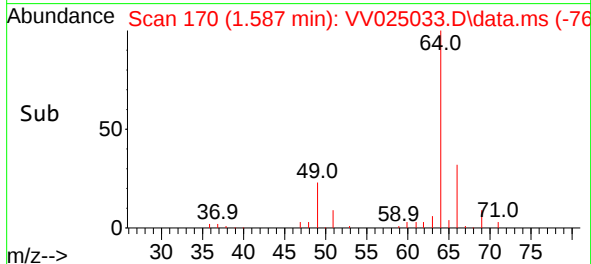
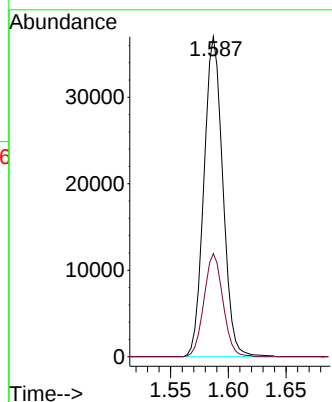
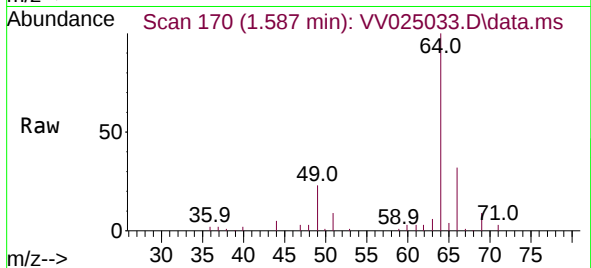




#8
Chloroethane
Concen: 4.941 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

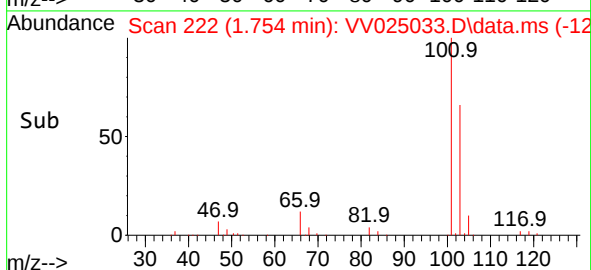
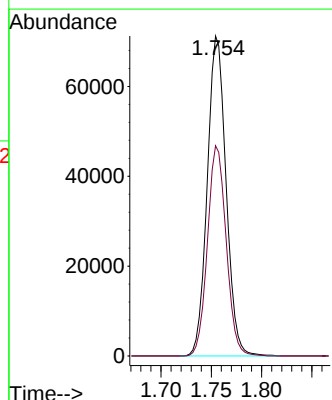
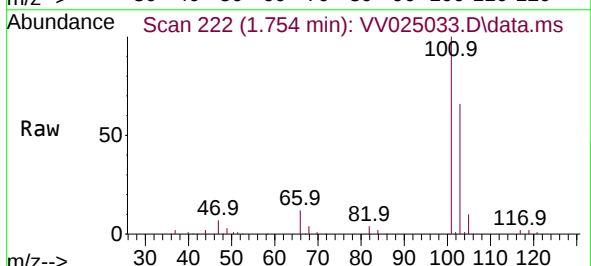
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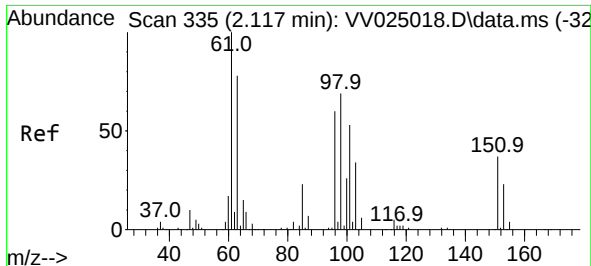
Tgt Ion: 64 Resp: 42073
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.847 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion:101 Resp: 92580
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3

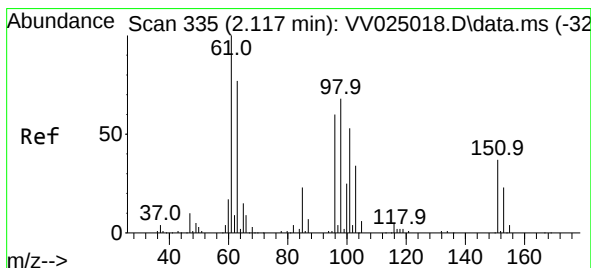
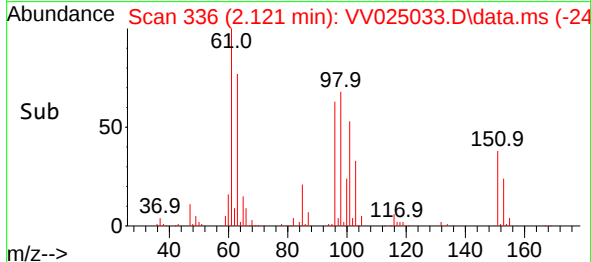
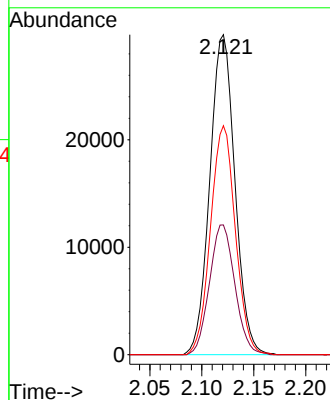
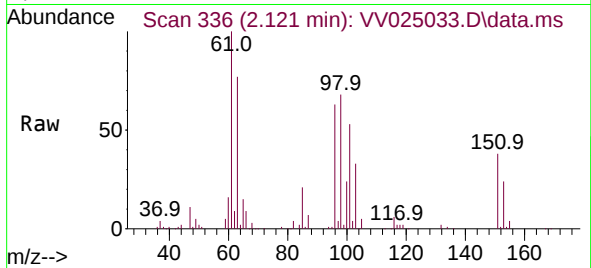




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.837 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

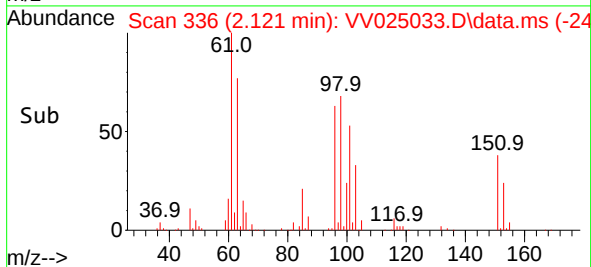
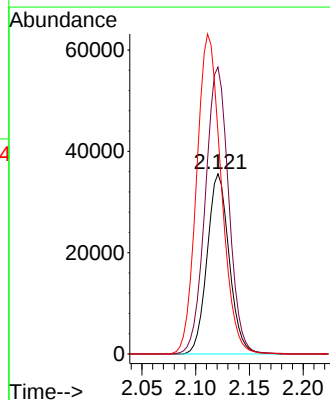
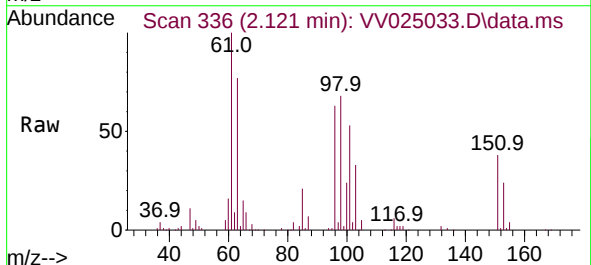
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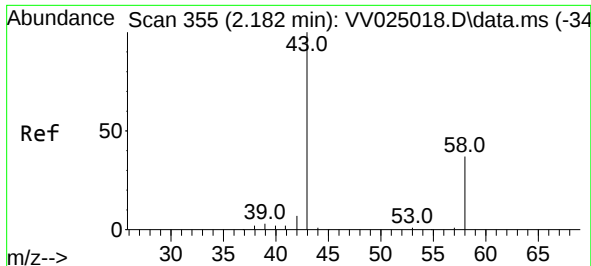
Tgt Ion:101 Resp: 50093
 Ion Ratio Lower Upper
 101 100
 85 40.9 34.8 52.2
 151 70.9 55.6 83.4



#12
 1,1-Dichloroethene
 Concen: 4.982 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

Tgt Ion: 96 Resp: 50688
 Ion Ratio Lower Upper
 96 100
 61 159.2 113.0 209.9
 63 123.1 82.1 152.5





#13

Acetone

Concen: 59.186 ug/L

RT: 2.188 min Scan# 3

Delta R.T. 0.006 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

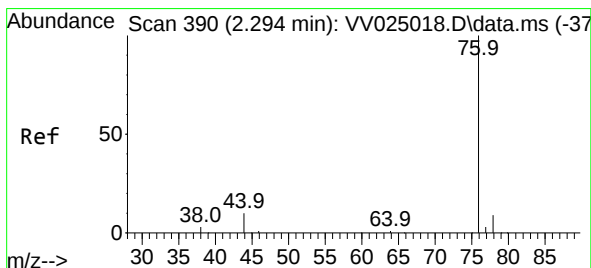
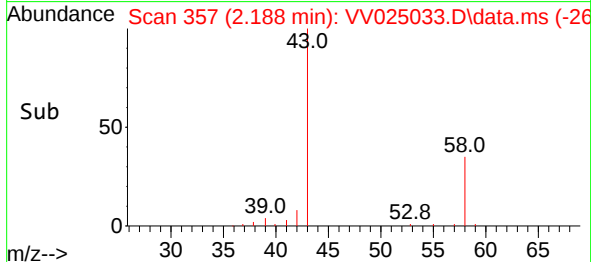
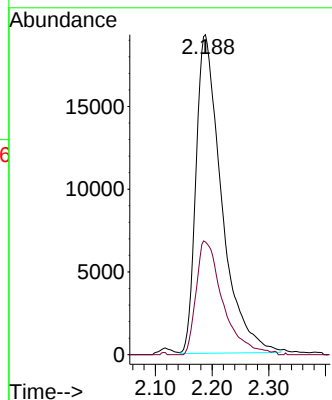
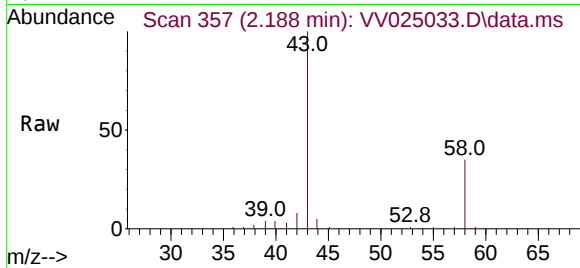
VSTD005332

Tgt Ion: 43 Resp: 60324

Ion Ratio Lower Upper

43 100

58 37.1 0.0 54.2



#14

Carbon disulfide

Concen: 4.793 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV025033.D

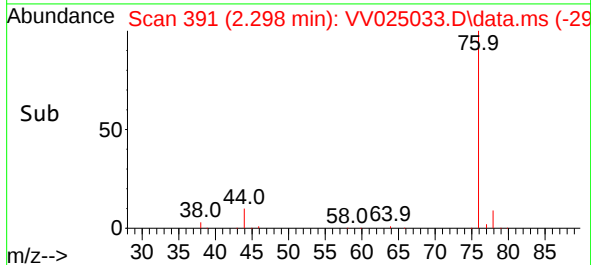
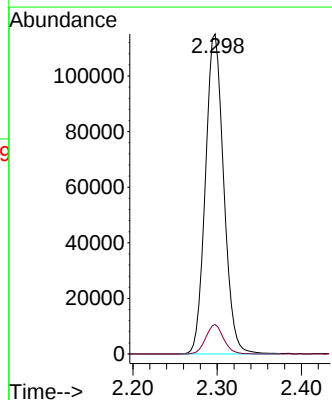
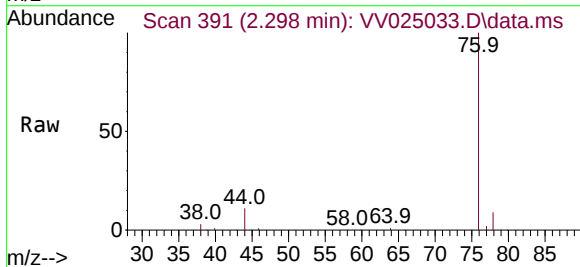
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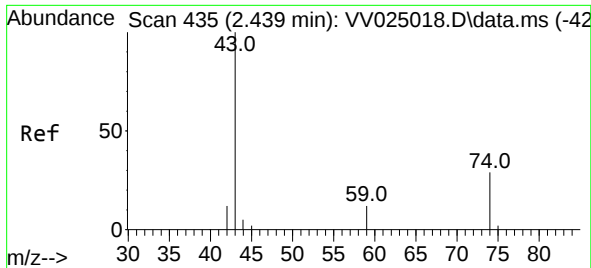
Tgt Ion: 76 Resp: 174492

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 6.264 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

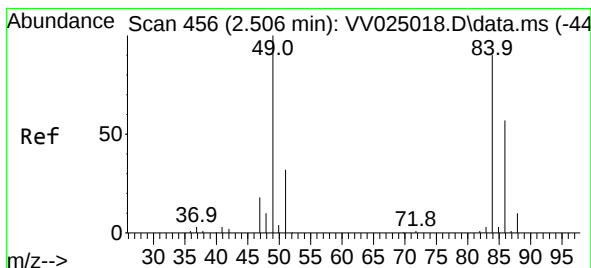
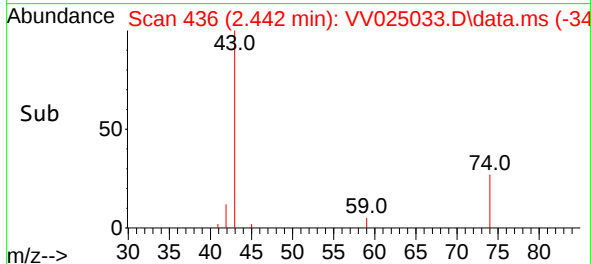
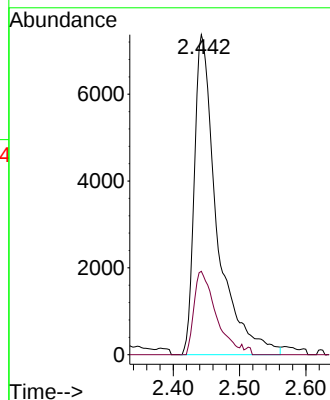
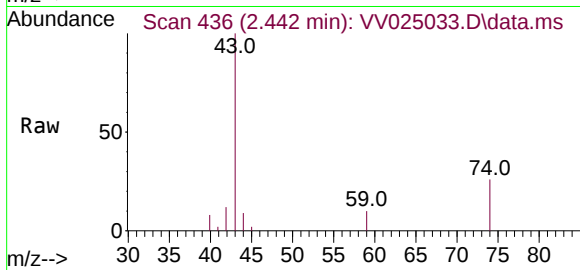
VSTD005332

Tgt Ion: 43 Resp: 17491

Ion Ratio Lower Upper

43 100

74 24.8 24.2 36.4



#16

Methylene chloride

Concen: 5.086 ug/L

RT: 2.510 min Scan# 457

Delta R.T. 0.003 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

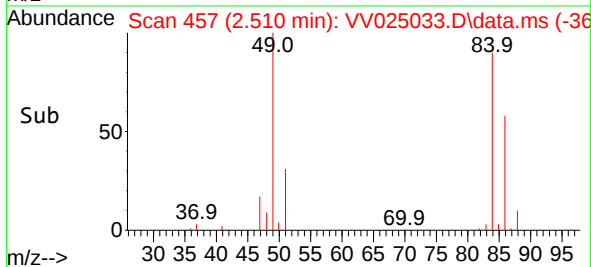
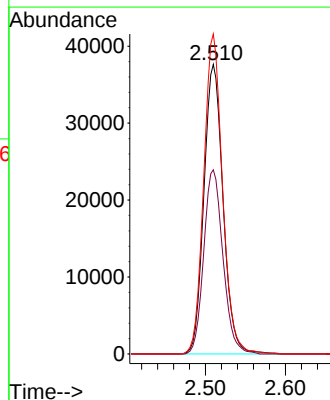
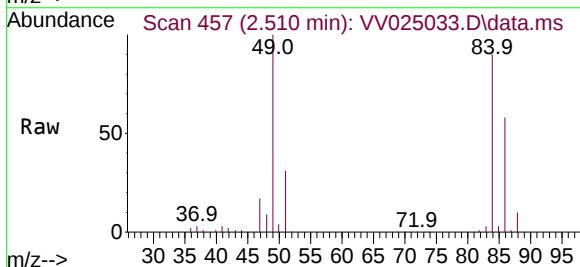
Tgt Ion: 84 Resp: 62714

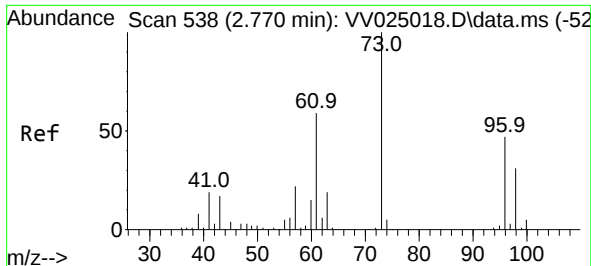
Ion Ratio Lower Upper

84 100

86 63.6 45.5 84.5

49 110.5 75.0 139.2

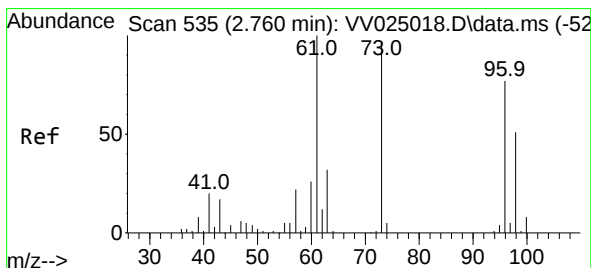
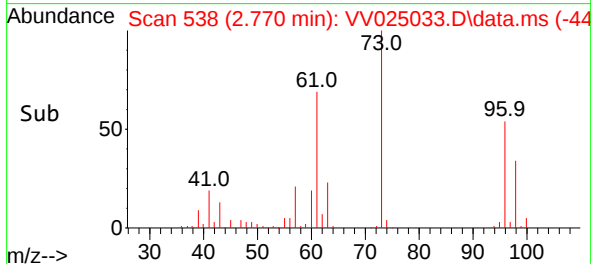
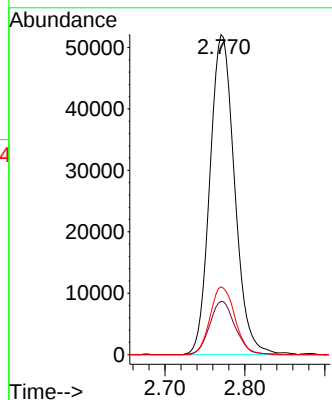
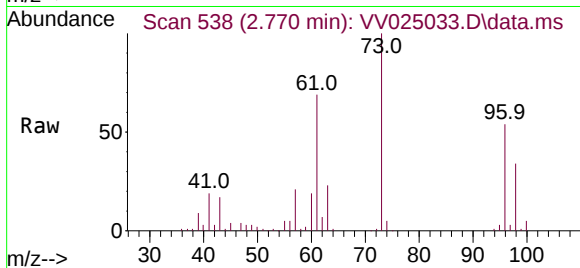




#17
Methyl tert-butyl Ether
Concen: 5.041 ug/L
RT: 2.770 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

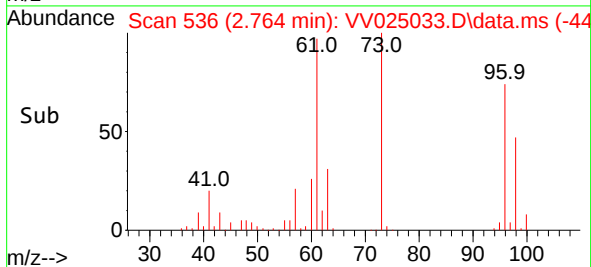
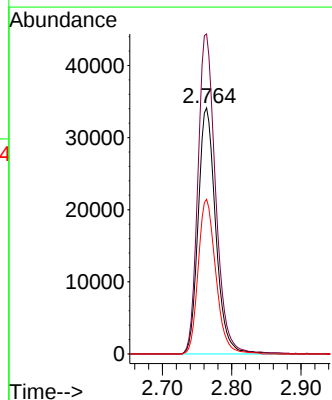
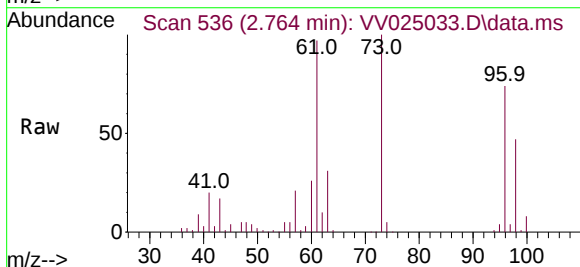
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

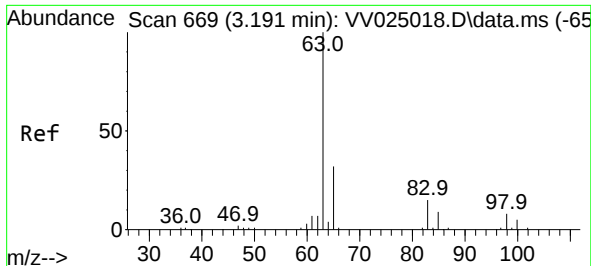
Tgt Ion:	73	Resp:	111727
Ion	Ratio	Lower	Upper
73	100		
43	17.3	13.2	19.8
57	21.4	16.7	25.1



#18
trans-1,2-Dichloroethene
Concen: 4.911 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion:	96	Resp:	60141
Ion	Ratio	Lower	Upper
96	100		
61	130.1	89.2	165.6
98	62.9	43.9	81.5





#19

1,1-Dichloroethane

Concen: 5.136 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

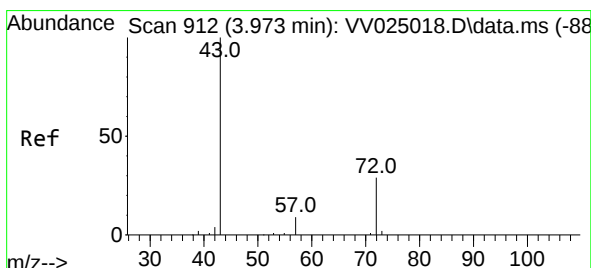
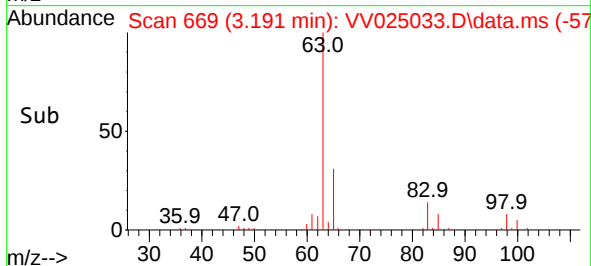
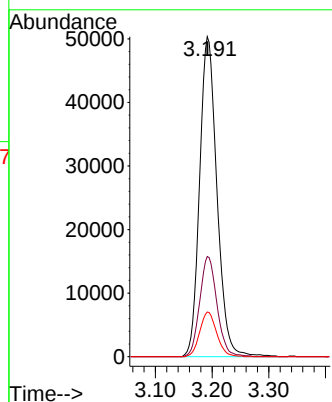
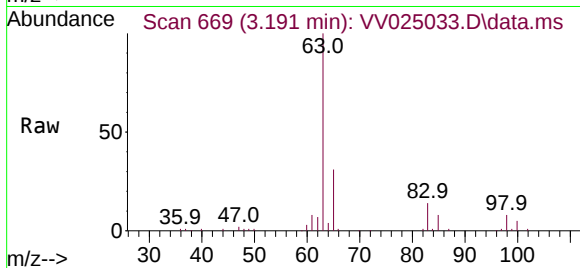
Tgt Ion: 63 Resp: 107038

Ion Ratio Lower Upper

63 100

65 31.3 22.2 41.2

83 13.9 9.4 17.4



#21

2-Butanone

Concen: 60.545 ug/L

RT: 3.982 min Scan# 915

Delta R.T. 0.010 min

Lab File: VV025033.D

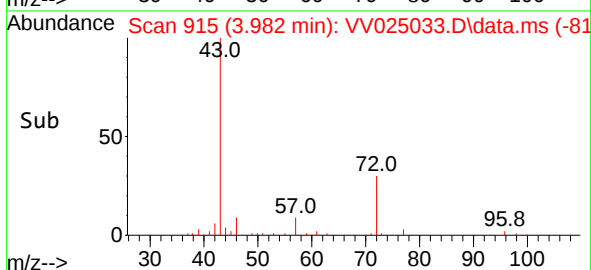
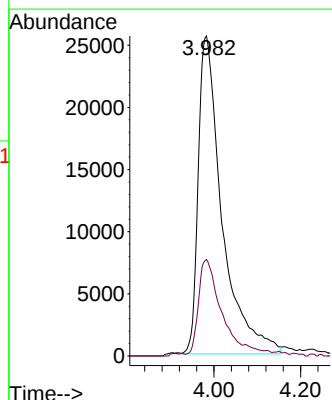
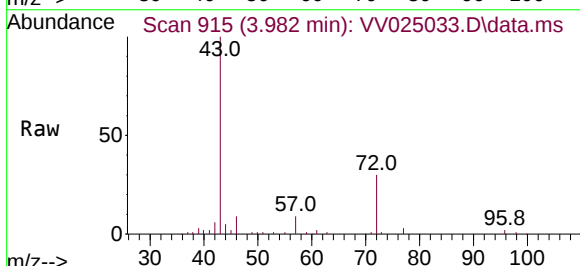
Acq: 16 Mar 2022 05:52

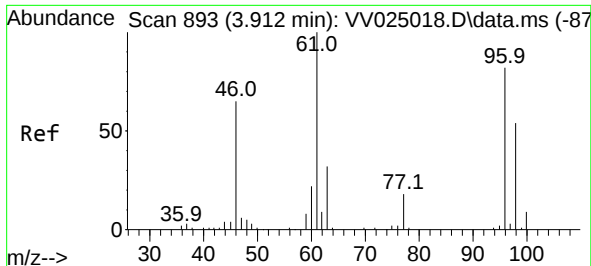
Tgt Ion: 43 Resp: 97397

Ion Ratio Lower Upper

43 100

72 26.8 10.4 31.2

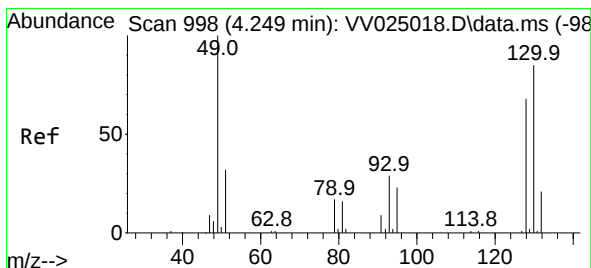
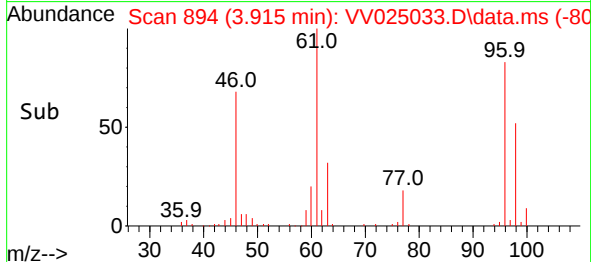
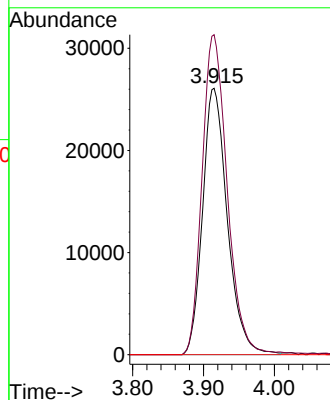
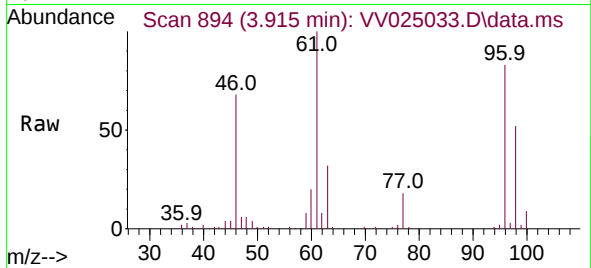




#22
 cis-1,2-Dichloroethene
 Concen: 5.127 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.003 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

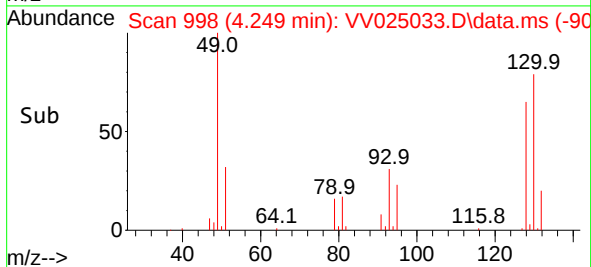
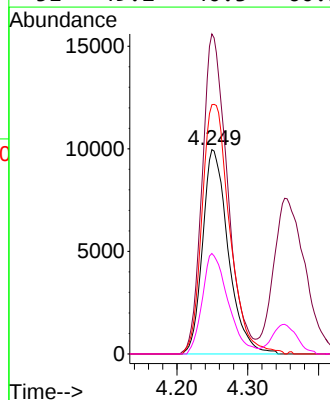
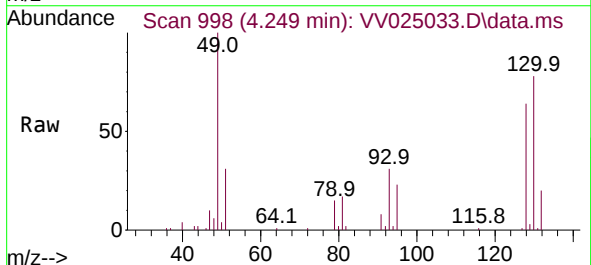
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005332

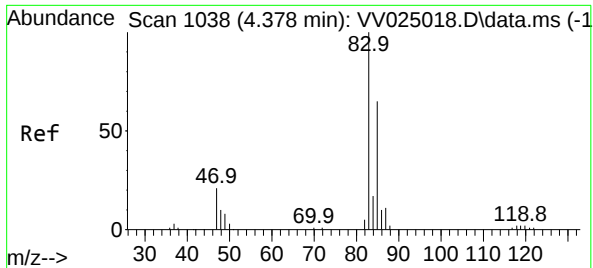
Tgt Ion: 96 Resp: 63379
 Ion Ratio Lower Upper
 96 100
 61 120.2 79.7 147.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.128 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.000 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

Tgt Ion: 128 Resp: 24997
 Ion Ratio Lower Upper
 128 100
 49 156.6 107.5 199.7
 130 122.0 89.4 166.0
 51 49.2 40.3 60.5





#25

Chloroform

Concen: 5.123 ug/L

RT: 4.378 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

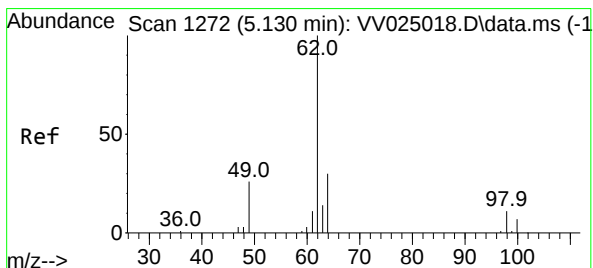
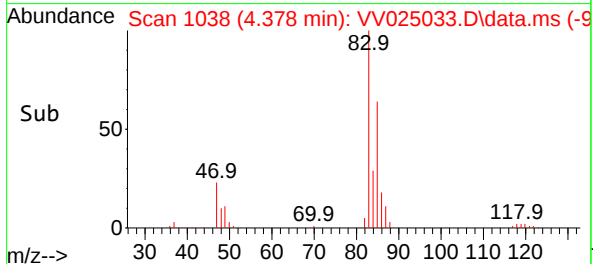
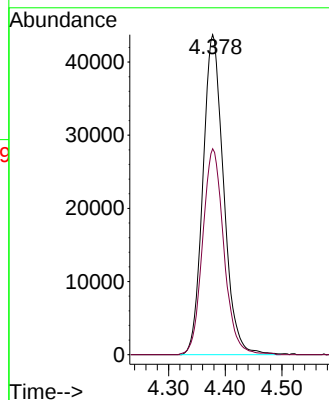
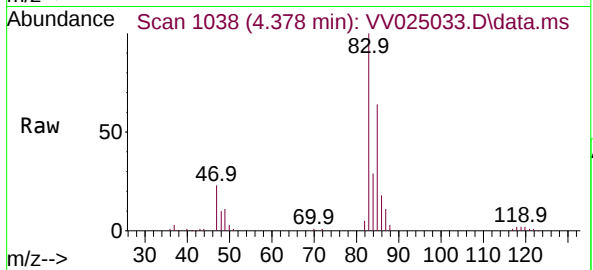
VSTD005332

Tgt Ion: 83 Resp: 111175

Ion Ratio Lower Upper

83 100

85 64.4 44.5 82.7



#27

1,2-Dichloroethane

Concen: 5.050 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV025033.D

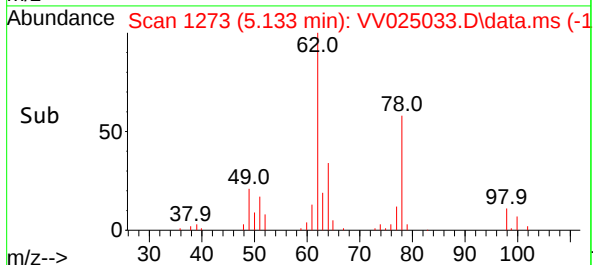
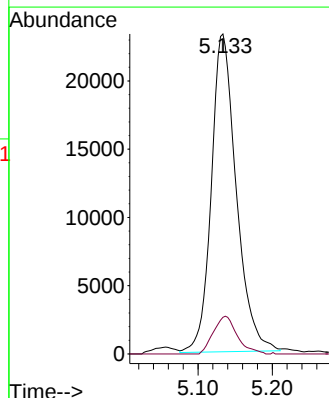
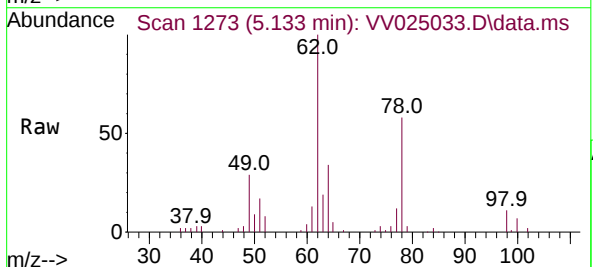
Acq: 16 Mar 2022 05:52

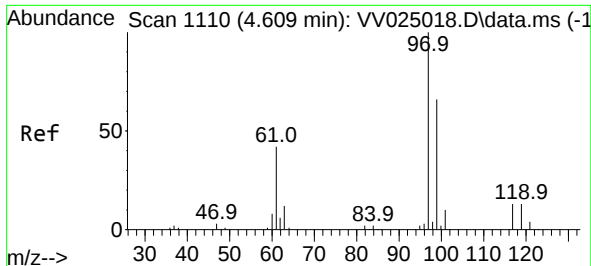
Tgt Ion: 62 Resp: 54483

Ion Ratio Lower Upper

62 100

98 11.5 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.047 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

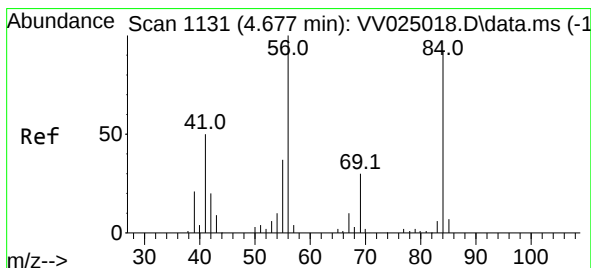
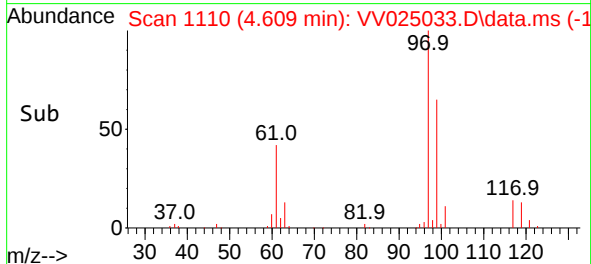
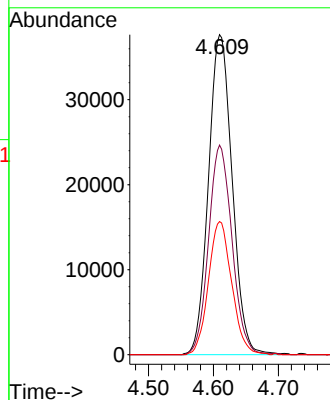
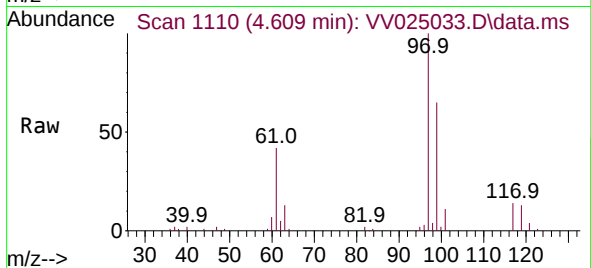
Tgt Ion: 97 Resp: 95546

Ion Ratio Lower Upper

97 100

99 64.8 50.7 76.1

61 40.9 32.4 48.6



#30

Cyclohexane

Concen: 4.743 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

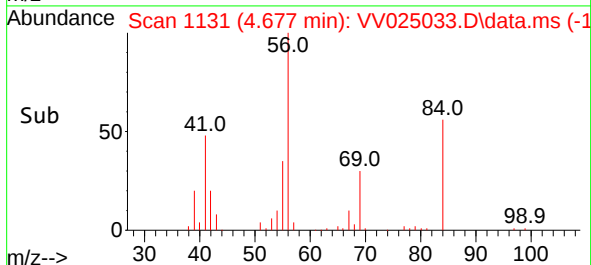
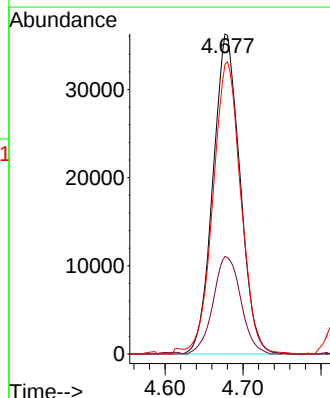
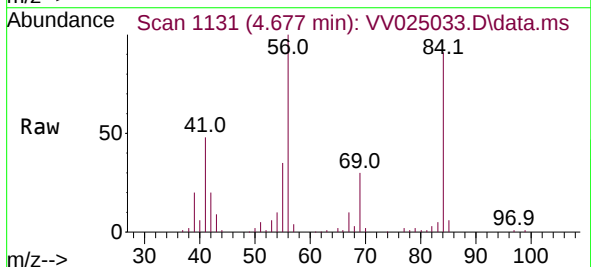
Tgt Ion: 56 Resp: 87366

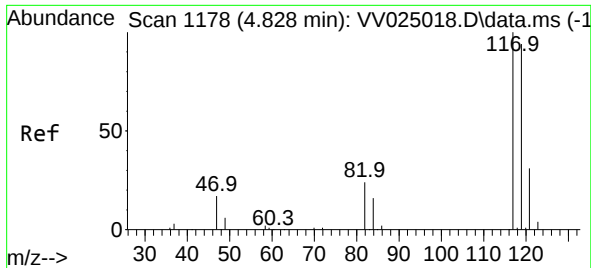
Ion Ratio Lower Upper

56 100

69 31.3 24.9 37.3

84 94.0 75.9 113.9

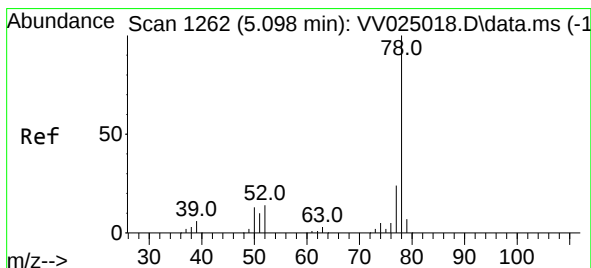
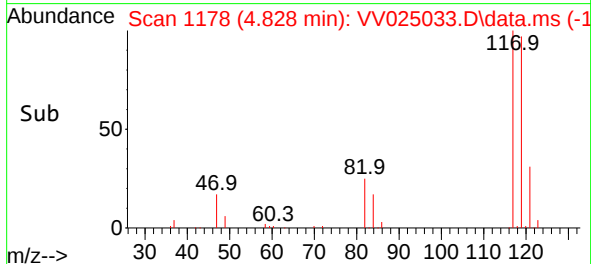
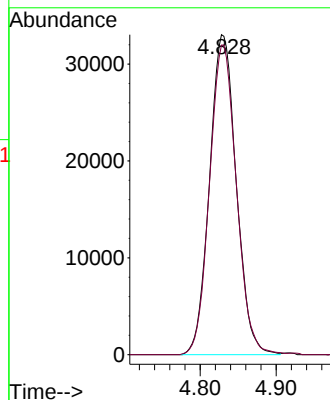
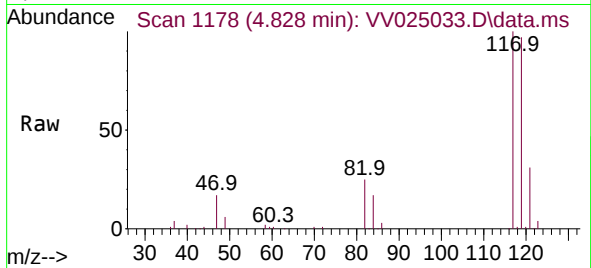




#31
Carbon tetrachloride
Concen: 4.961 ug/L
RT: 4.828 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

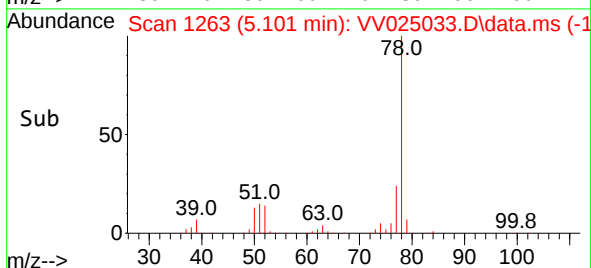
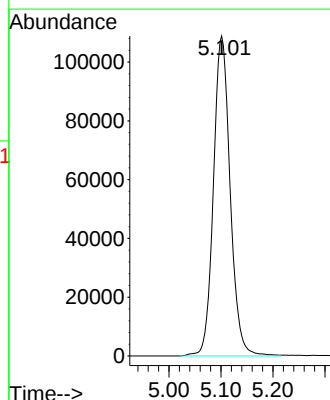
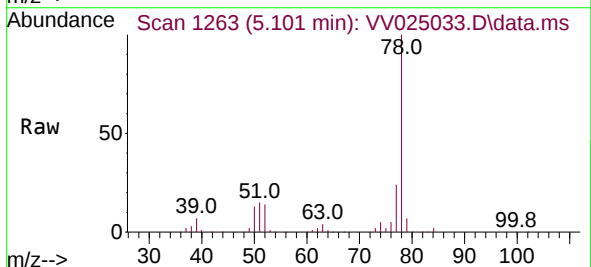
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

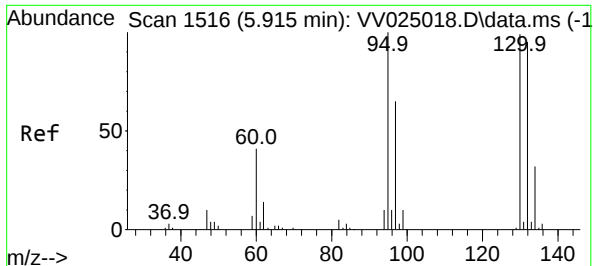
Tgt Ion:117 Resp: 80579
Ion Ratio Lower Upper
117 100
119 97.3 76.8 115.2



#33
Benzene
Concen: 5.052 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion: 78 Resp: 243959

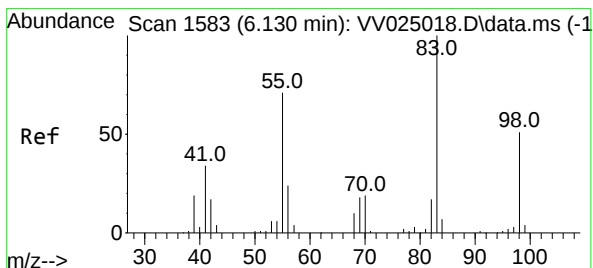
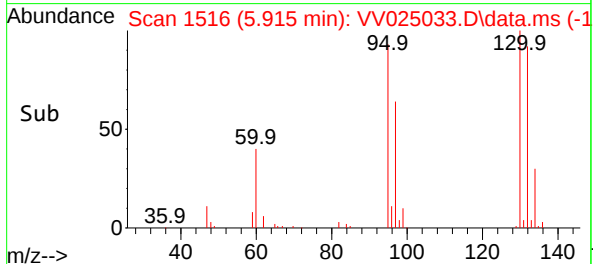
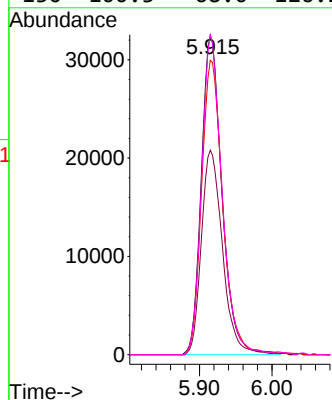
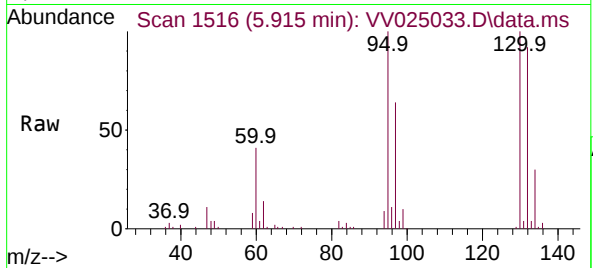




#34
Trichloroethene
Concen: 4.997 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

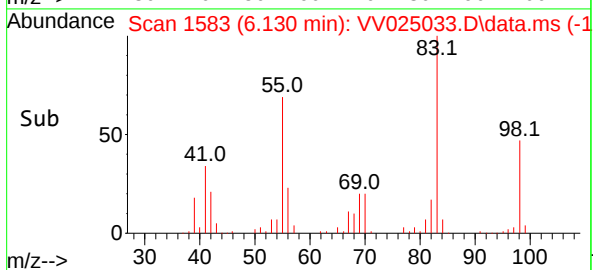
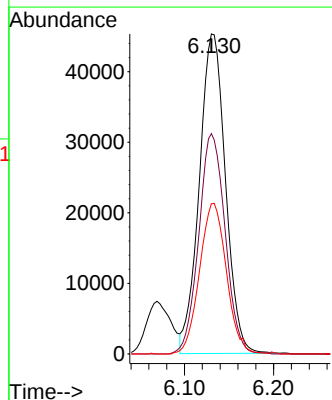
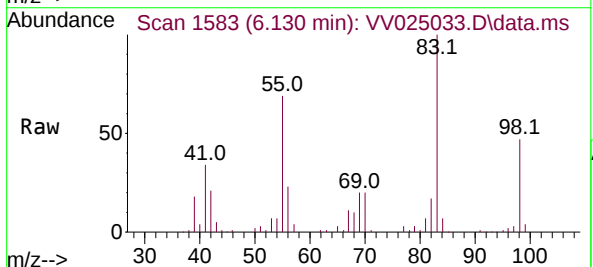
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

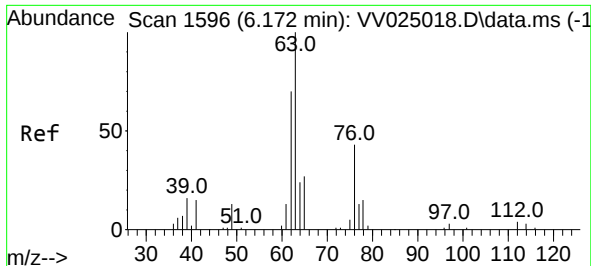
Tgt Ion: 95 Resp: 64247
Ion Ratio Lower Upper
95 100
97 64.1 44.5 82.7
132 92.2 66.5 123.5
130 100.3 68.0 126.2



#35
Methylcyclohexane
Concen: 4.542 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion: 83 Resp: 92433
Ion Ratio Lower Upper
83 100
55 69.6 55.4 83.0
98 48.5 38.4 57.6





#37

1,2-Dichloropropane

Concen: 5.354 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

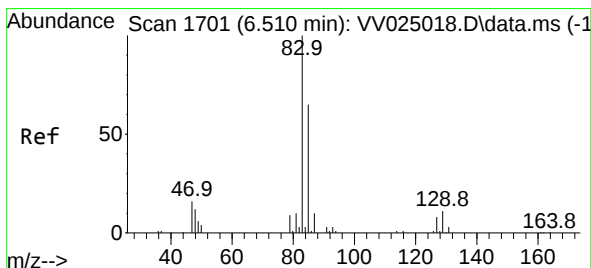
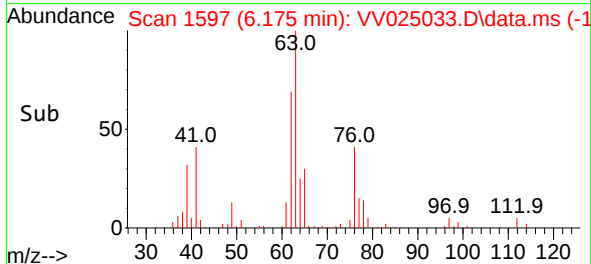
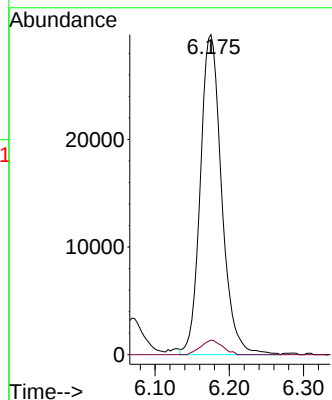
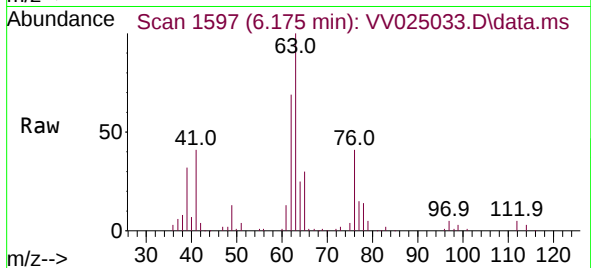
VSTD005332

Tgt Ion: 63 Resp: 59405

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 5.052 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

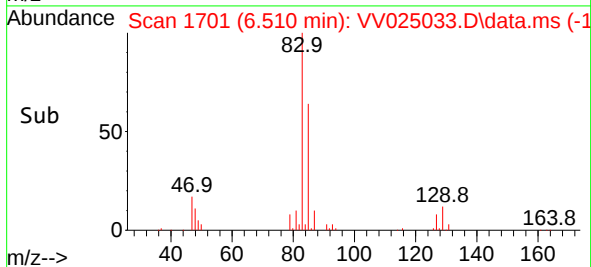
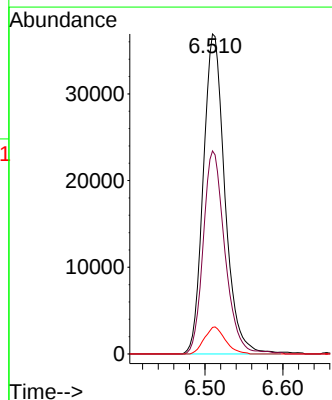
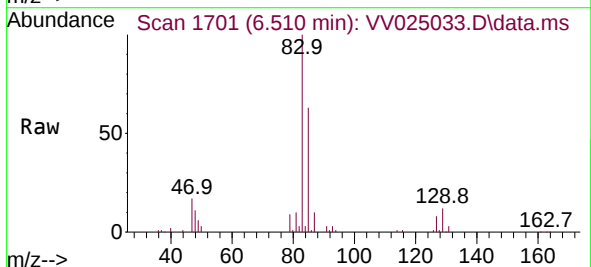
Tgt Ion: 83 Resp: 70886

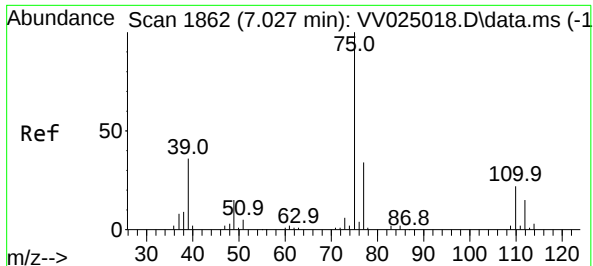
Ion Ratio Lower Upper

83 100

85 63.4 44.8 83.2

127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.941 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

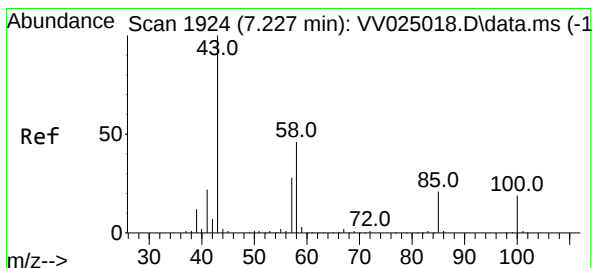
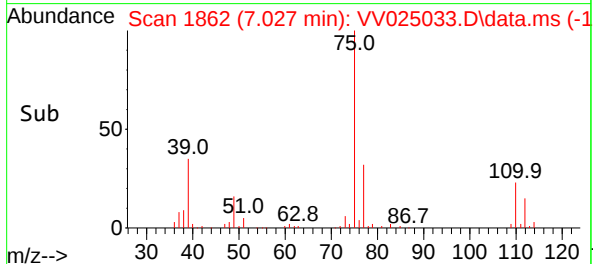
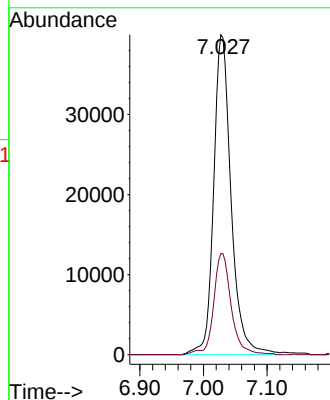
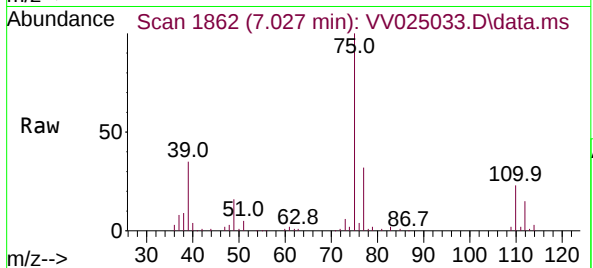
VSTD005332

Tgt Ion: 75 Resp: 76126

Ion Ratio Lower Upper

75 100

77 31.6 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 53.078 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

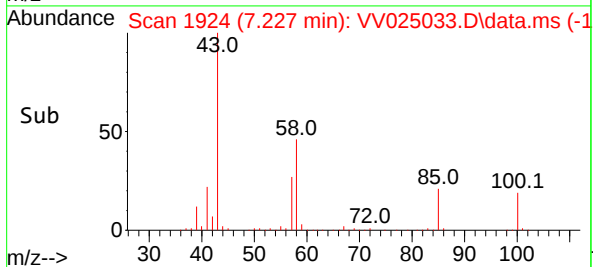
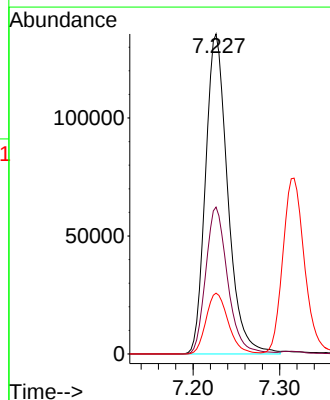
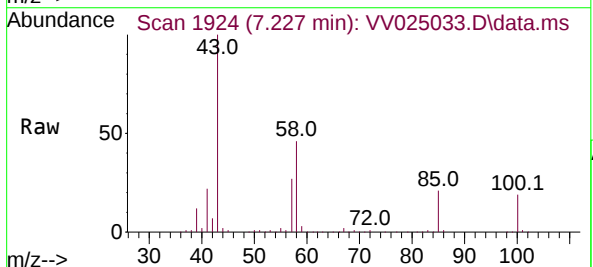
Tgt Ion: 43 Resp: 242347

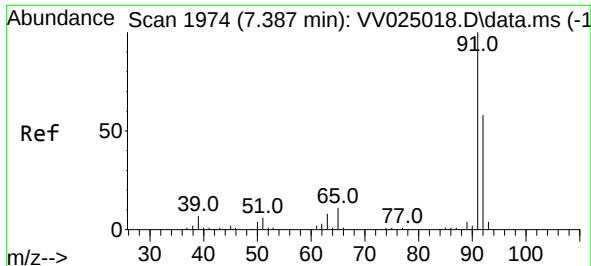
Ion Ratio Lower Upper

43 100

58 45.4 36.6 55.0

100 18.9 13.8 20.8





#42

Toluene

Concen: 5.182 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

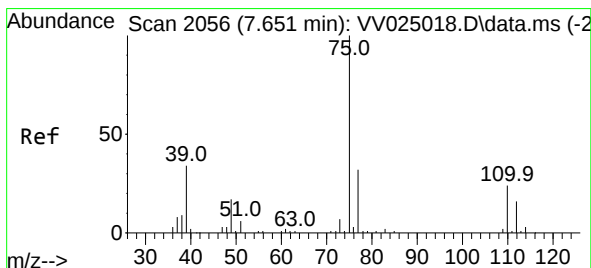
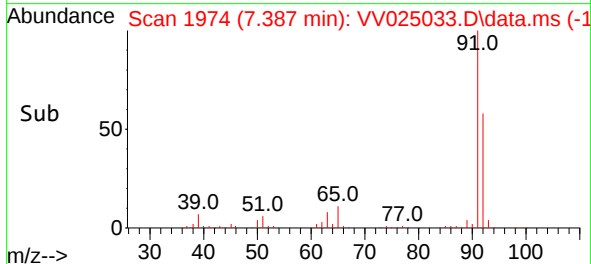
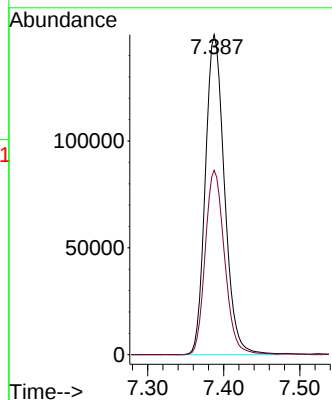
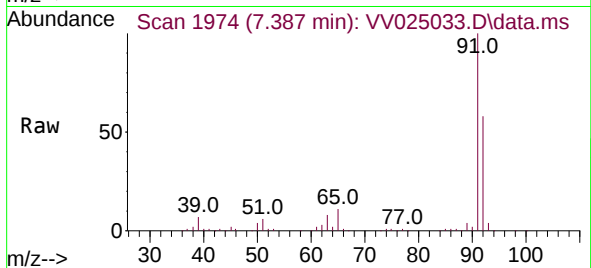
VSTD005332

Tgt Ion: 91 Resp: 261879

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 4.825 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV025033.D

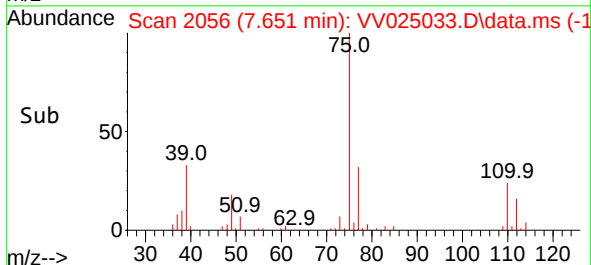
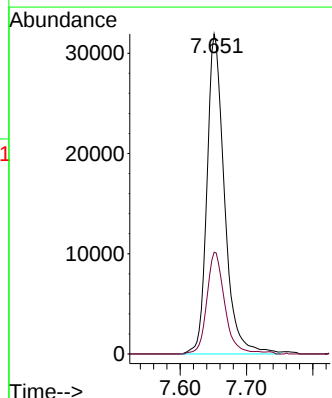
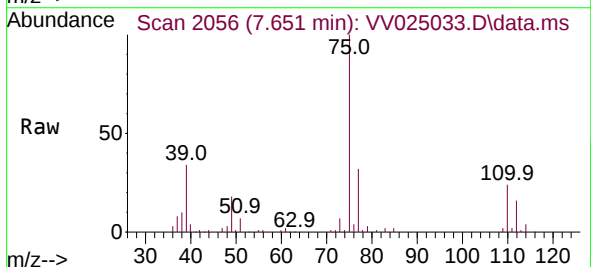
Acq: 16 Mar 2022 05:52

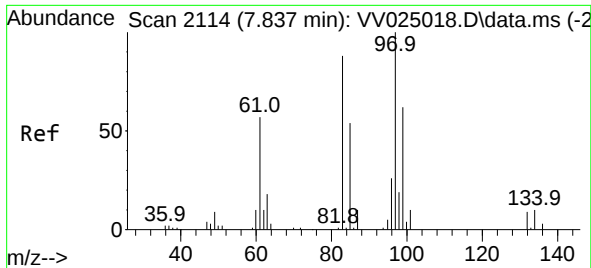
Tgt Ion: 75 Resp: 58496

Ion Ratio Lower Upper

75 100

77 31.8 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 5.211 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

Tgt Ion: 97 Resp: 38621

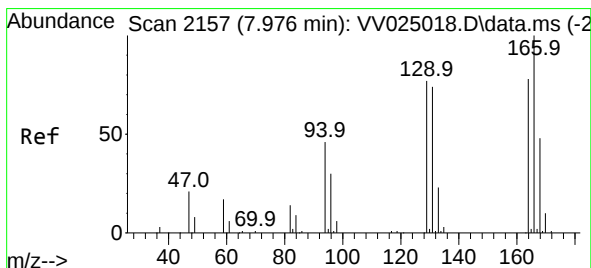
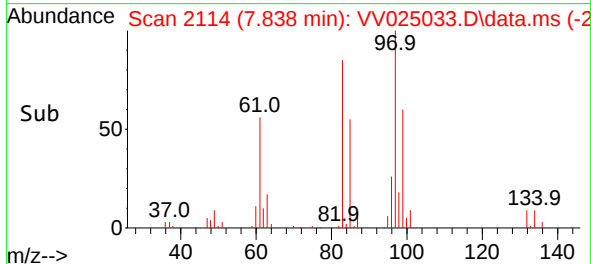
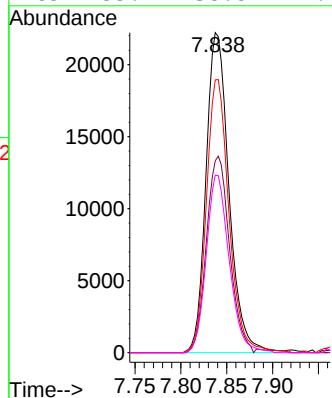
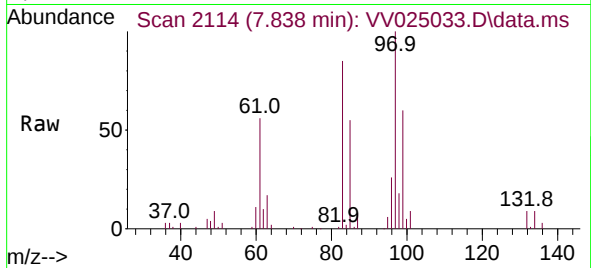
Ion Ratio Lower Upper

97 100

99 59.9 43.7 81.1

83 85.3 58.9 109.3

85 55.4 38.8 72.0



#47

Tetrachloroethene

Concen: 4.905 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Tgt Ion:164 Resp: 44367

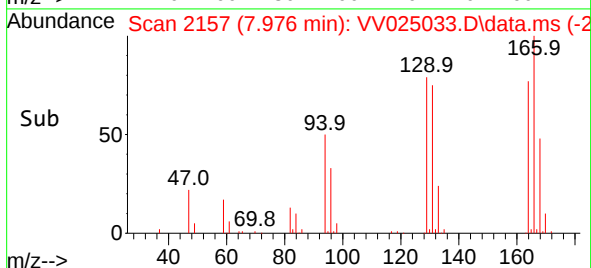
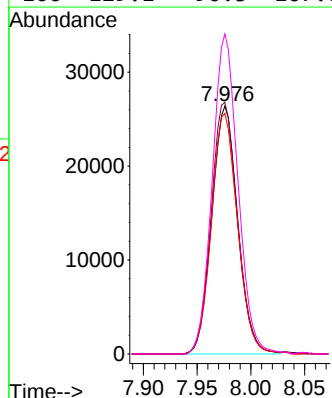
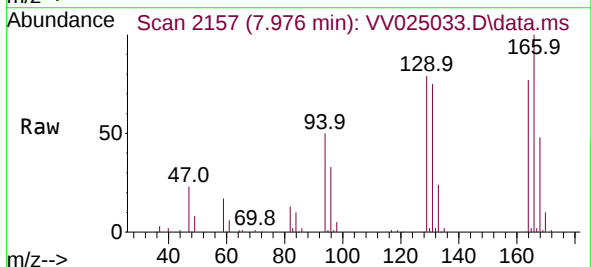
Ion Ratio Lower Upper

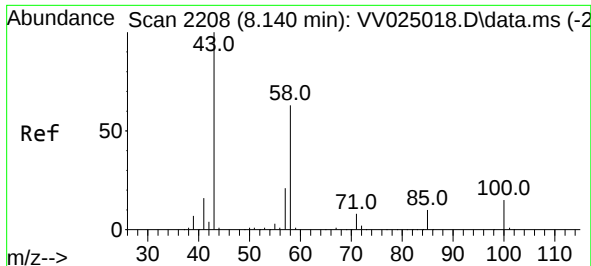
164 100

129 101.5 70.3 130.7

131 97.0 69.4 129.0

166 129.1 90.3 167.7

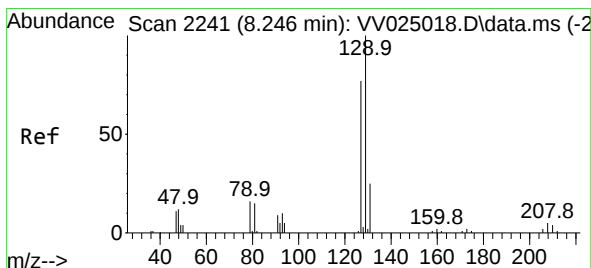
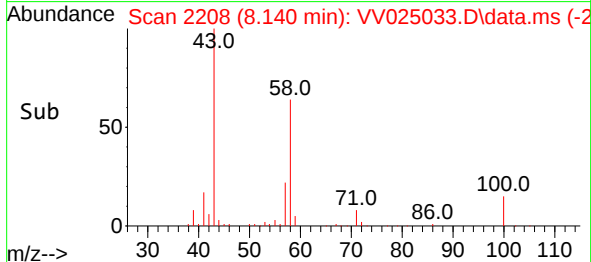
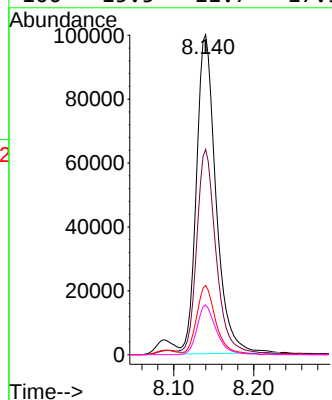
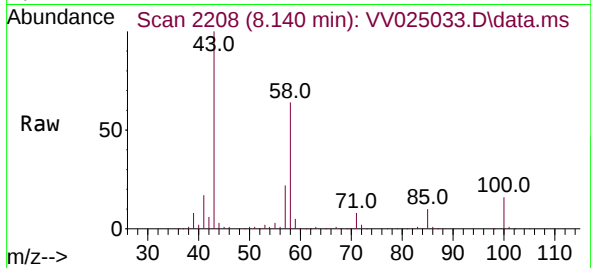




#48
2-Hexanone
Concen: 52.402 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

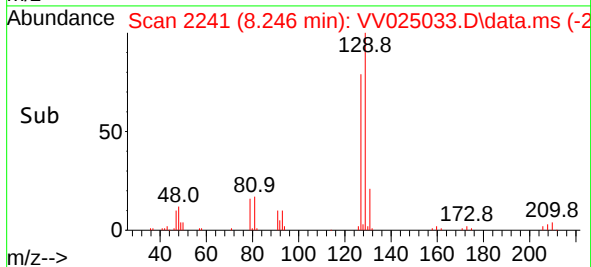
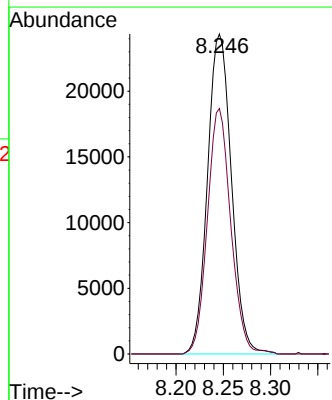
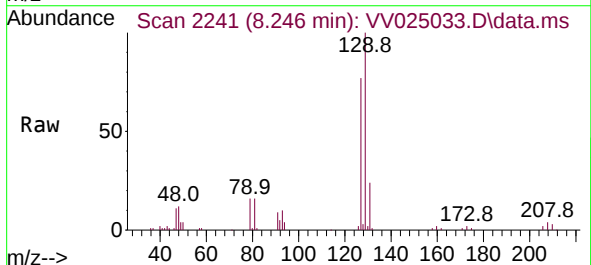
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

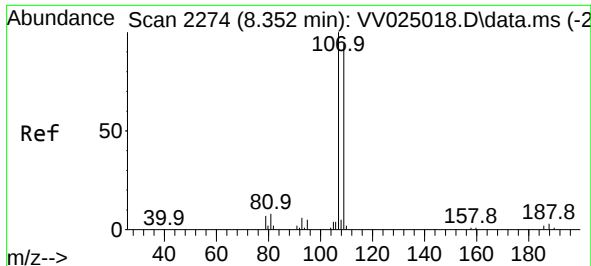
Tgt Ion: 43 Resp: 169626
Ion Ratio Lower Upper
43 100
58 64.2 49.2 73.8
57 21.5 16.0 24.0
100 15.5 11.7 17.5



#49
Dibromochloromethane
Concen: 5.174 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion: 129 Resp: 42922
Ion Ratio Lower Upper
129 100
127 76.7 54.9 102.1





#50

1,2-Dibromoethane

Concen: 5.173 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

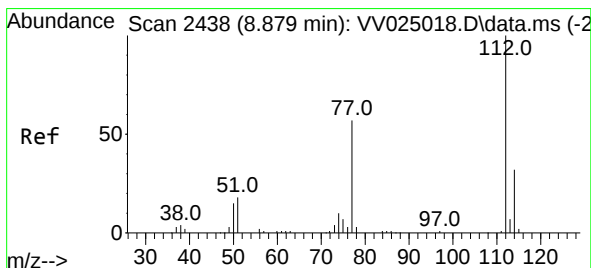
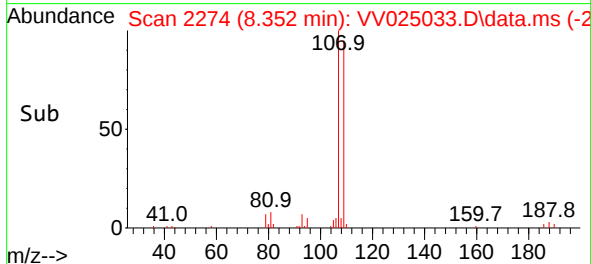
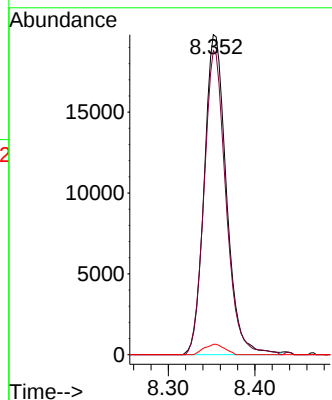
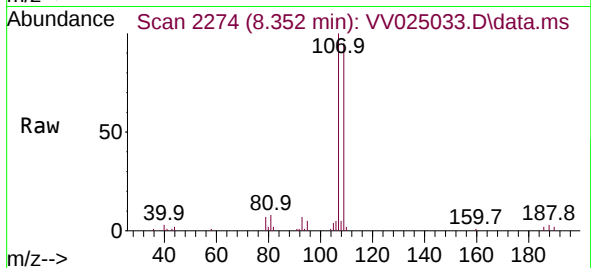
Tgt Ion:107 Resp: 35088

Ion Ratio Lower Upper

107 100

109 95.1 65.5 121.6

188 3.2 2.4 3.6



#51

Chlorobenzene

Concen: 5.085 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

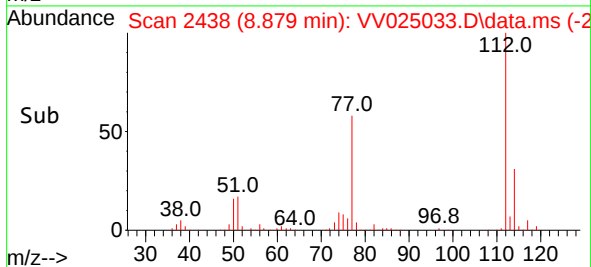
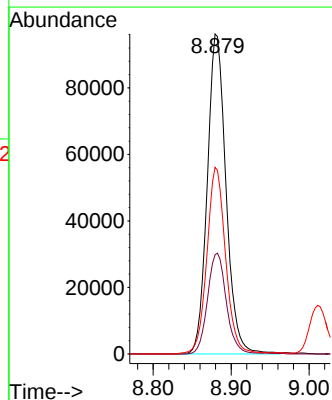
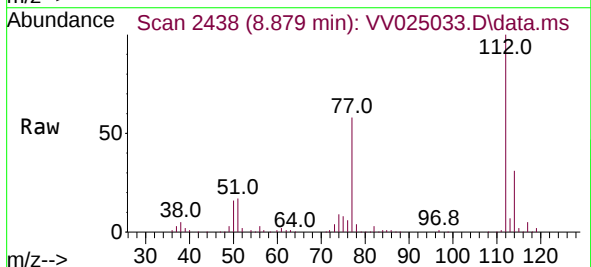
Tgt Ion:112 Resp: 160908

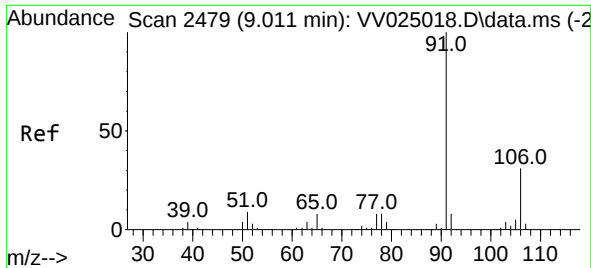
Ion Ratio Lower Upper

112 100

114 31.0 22.5 41.7

77 58.4 45.3 67.9

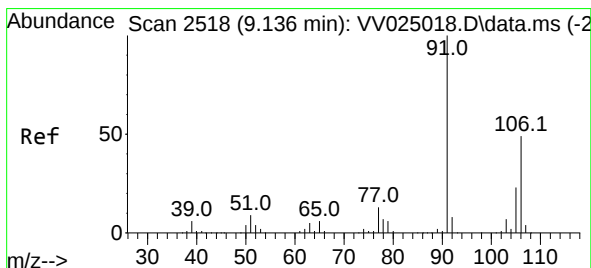
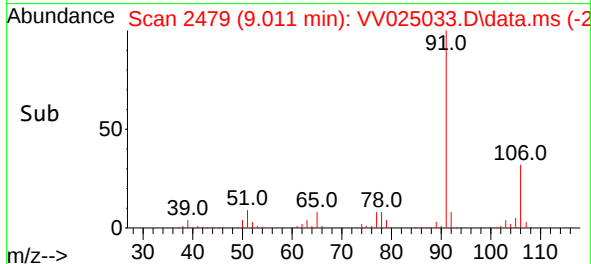
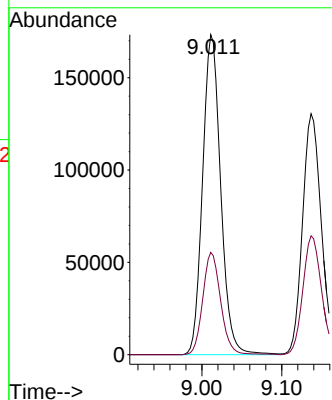
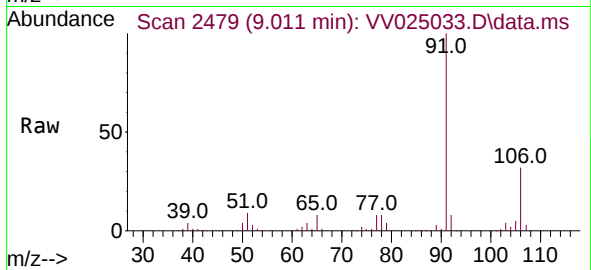




#52
Ethylbenzene
Concen: 5.114 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

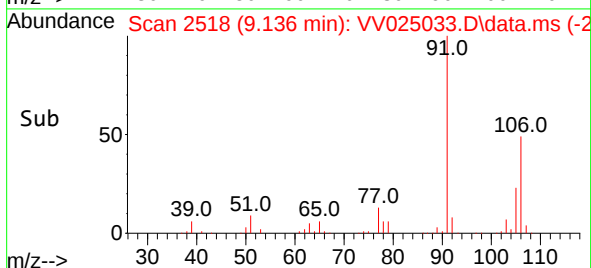
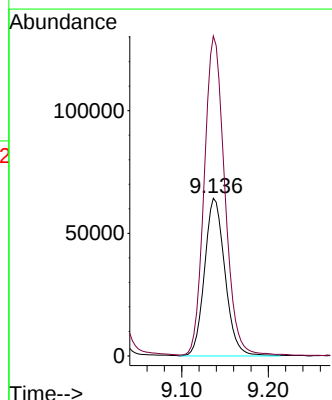
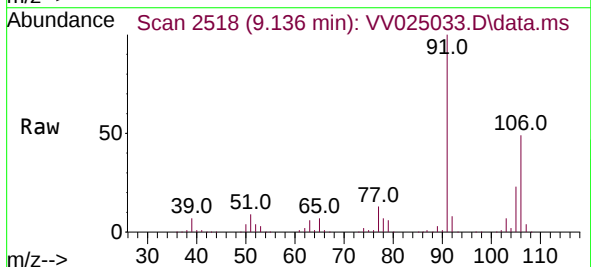
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

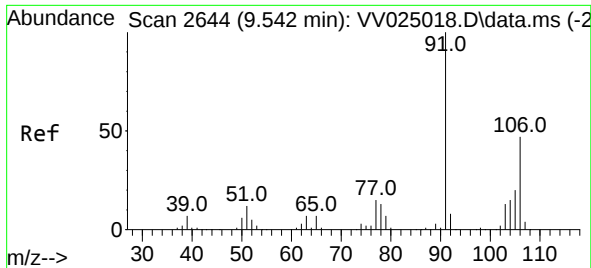
Tgt Ion: 91 Resp: 273377
Ion Ratio Lower Upper
91 100
106 32.0 21.9 40.7



#53
m,p-xylene
Concen: 5.128 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion: 106 Resp: 105574
Ion Ratio Lower Upper
106 100
91 202.7 143.4 266.4

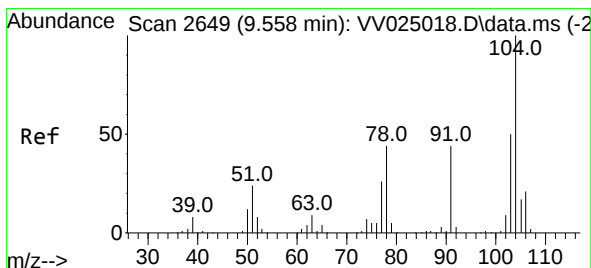
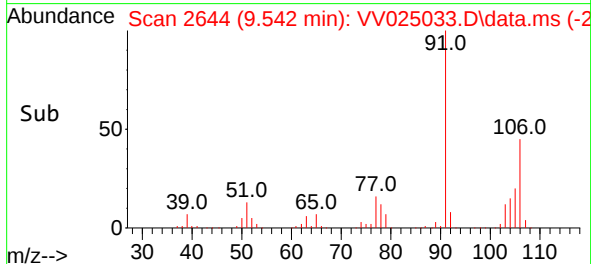
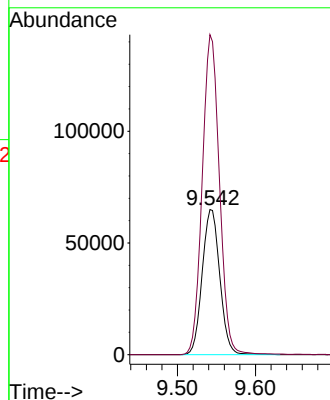
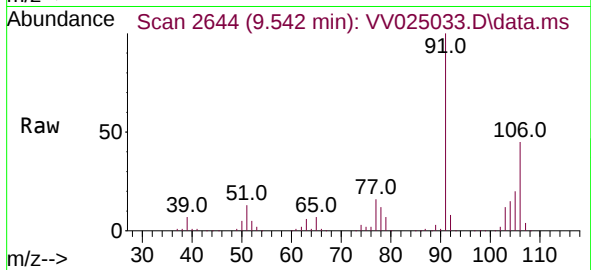




#54
o-xylene
Concen: 5.171 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

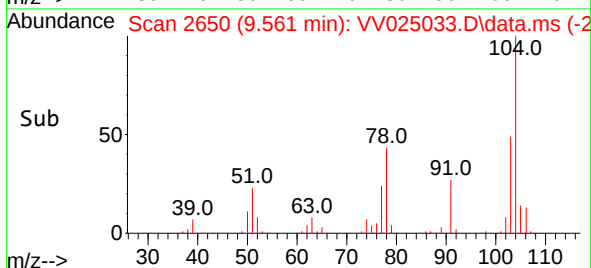
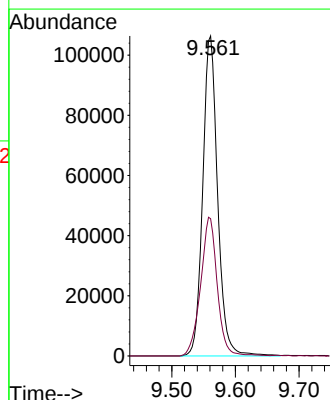
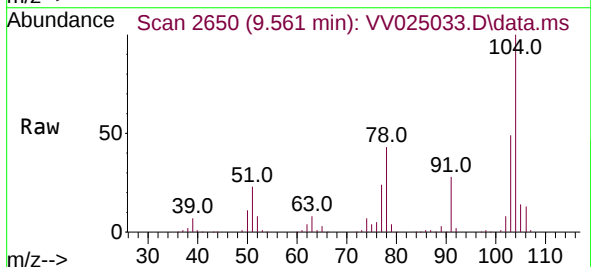
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

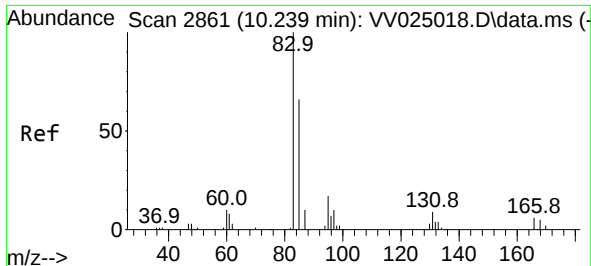
Tgt Ion:106 Resp: 101791
Ion Ratio Lower Upper
106 100
91 220.4 146.7 272.5



#55
Styrene
Concen: 5.394 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion:104 Resp: 172937
Ion Ratio Lower Upper
104 100
78 42.9 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.409 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

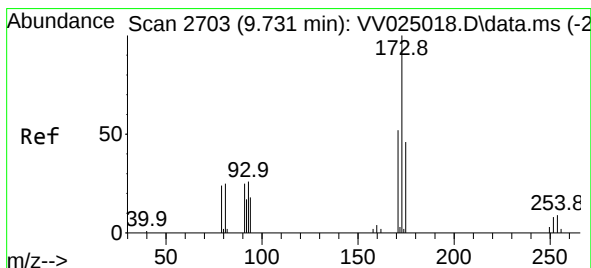
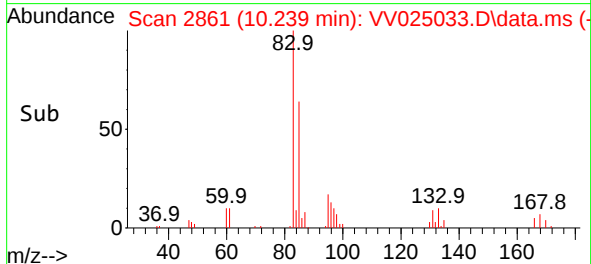
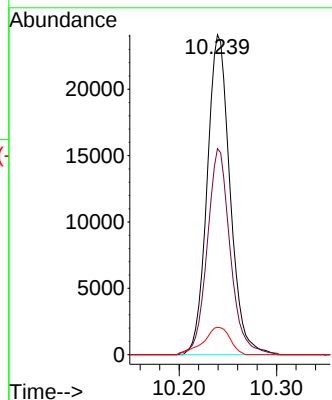
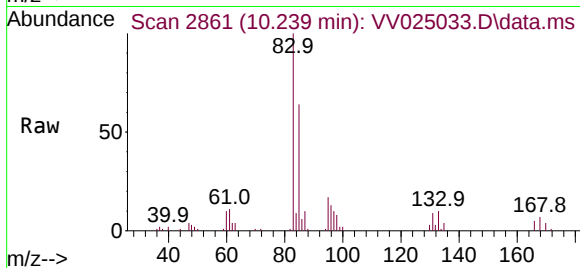
Tgt Ion: 83 Resp: 39303

Ion Ratio Lower Upper

83 100

85 64.4 43.9 81.5

131 8.6 7.5 11.3



#59

Bromoform

Concen: 4.772 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

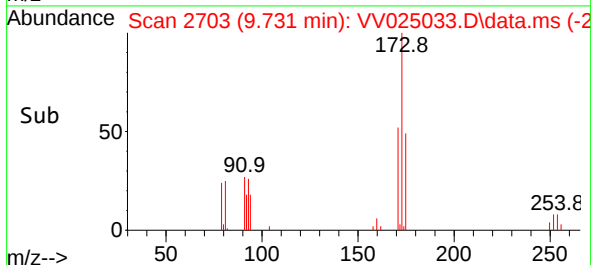
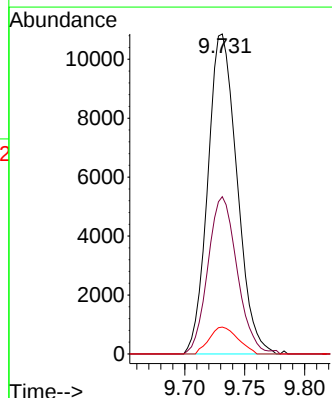
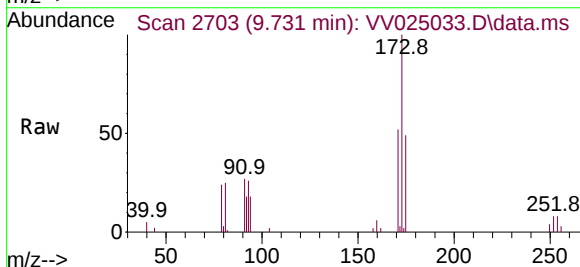
Tgt Ion: 173 Resp: 18365

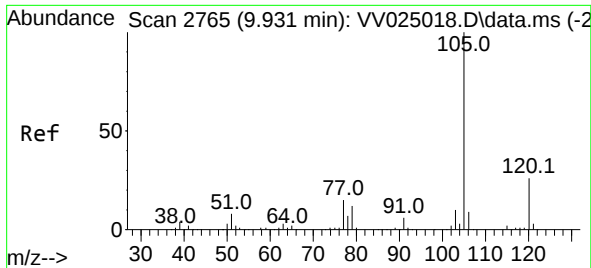
Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.8

254 8.2 5.8 8.6

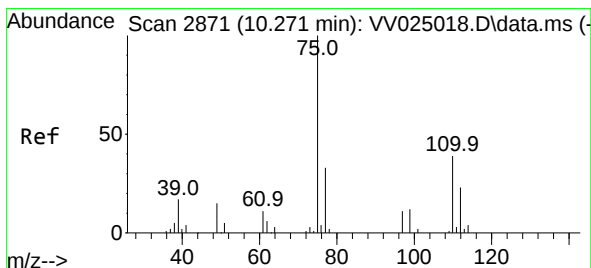
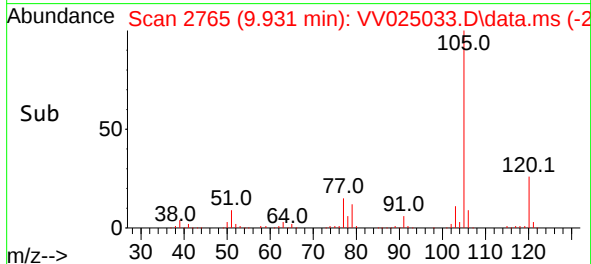
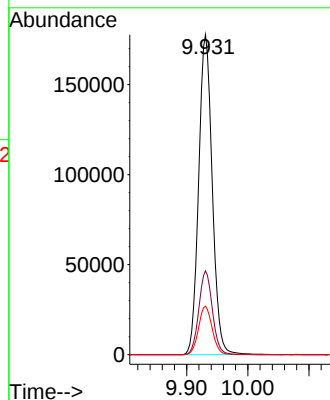
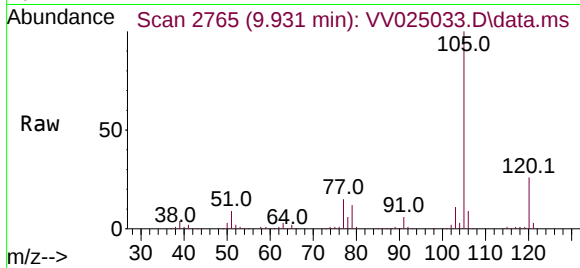




#60
Isopropylbenzene
Concen: 5.094 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

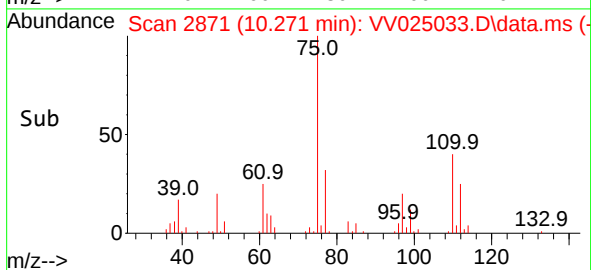
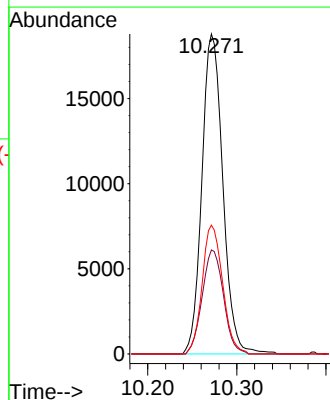
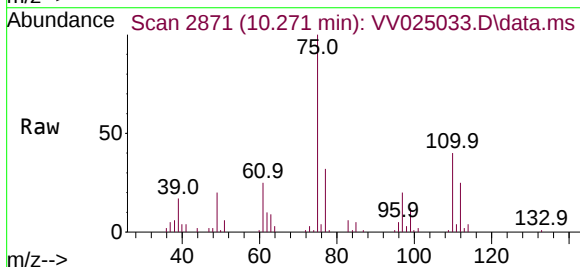
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

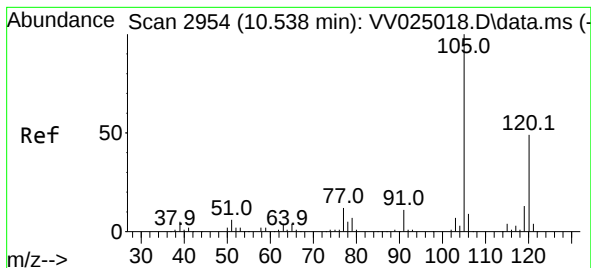
Tgt Ion:105 Resp: 274459
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 15.3 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 5.103 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion: 75 Resp: 30663
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5
110 39.4 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 4.950 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

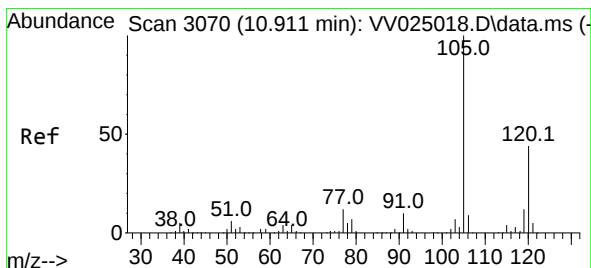
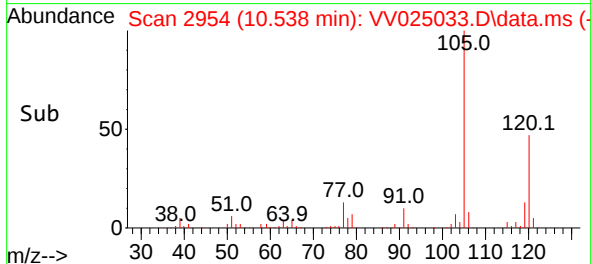
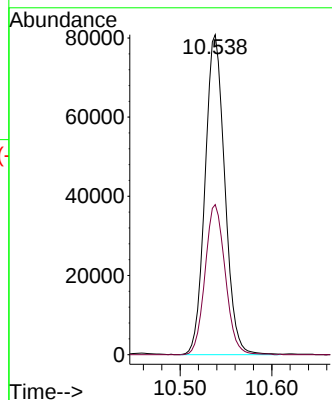
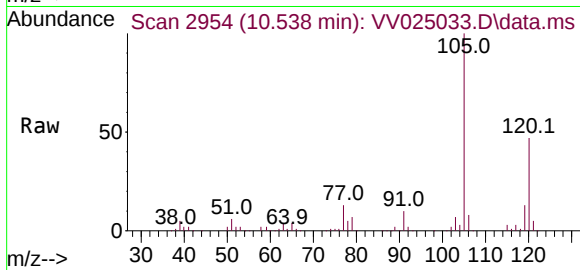
VSTD005332

Tgt Ion:105 Resp: 121021

Ion Ratio Lower Upper

105 100

120 48.0 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 5.153 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV025033.D

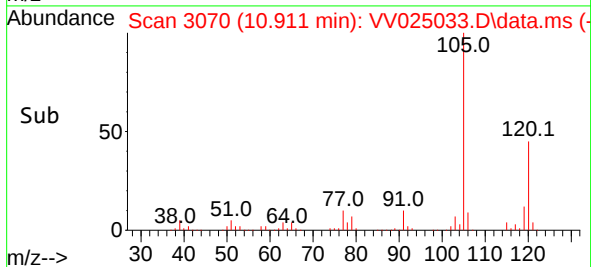
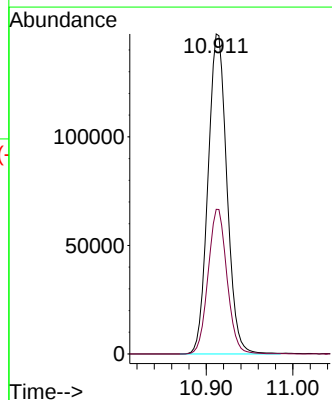
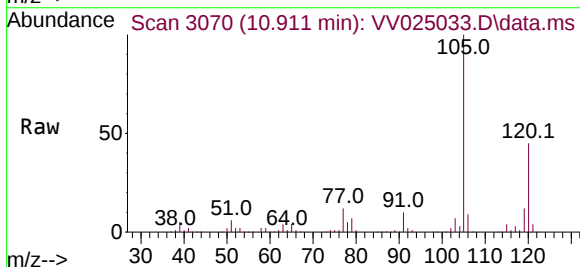
Acq: 16 Mar 2022 05:52

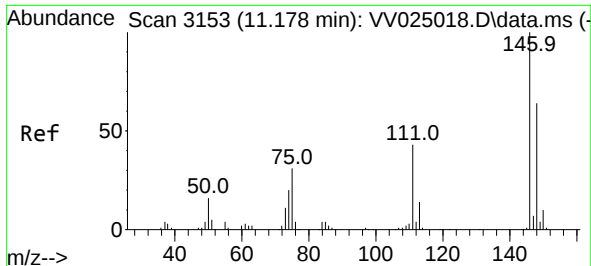
Tgt Ion:105 Resp: 223125

Ion Ratio Lower Upper

105 100

120 45.3 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 5.096 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

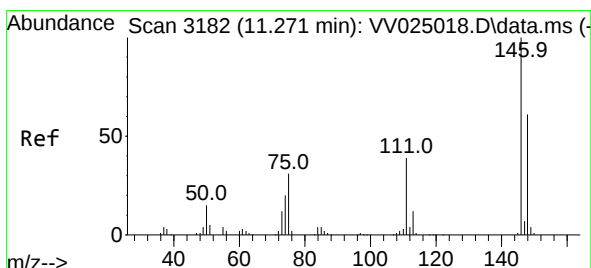
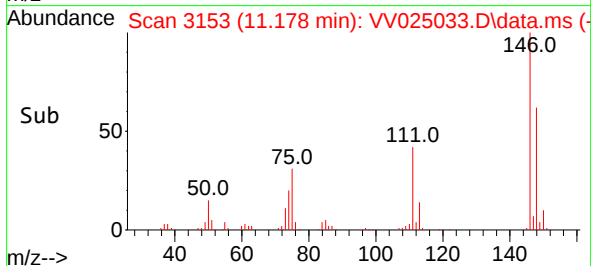
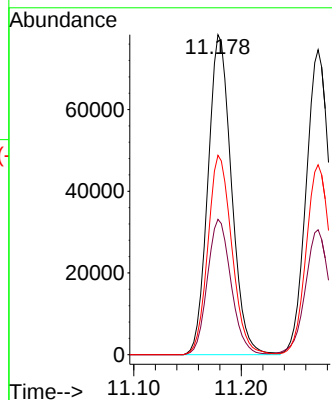
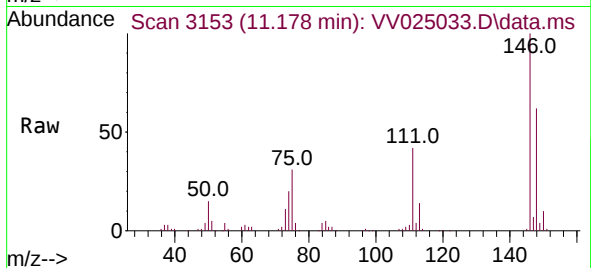
Tgt Ion:146 Resp: 119103

Ion Ratio Lower Upper

146 100

111 42.3 29.2 54.2

148 62.3 43.8 81.4



#65

1,4-Dichlorobenzene

Concen: 4.972 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

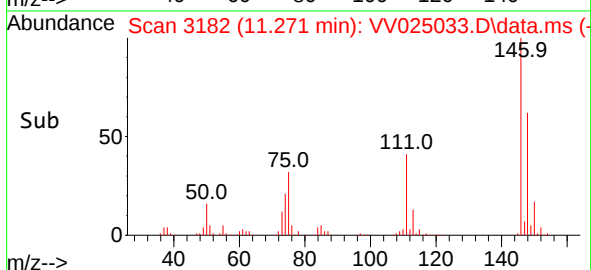
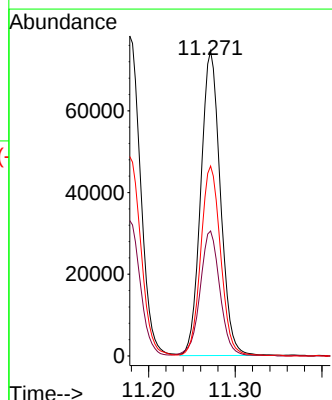
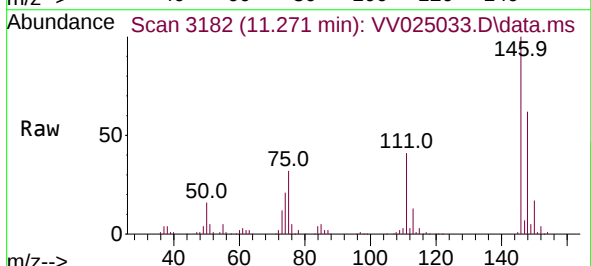
Tgt Ion:146 Resp: 117156

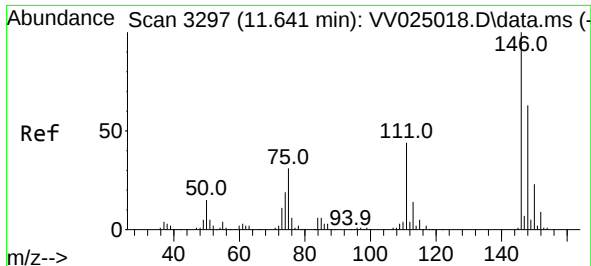
Ion Ratio Lower Upper

146 100

111 41.0 28.2 52.4

148 62.3 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 5.105 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

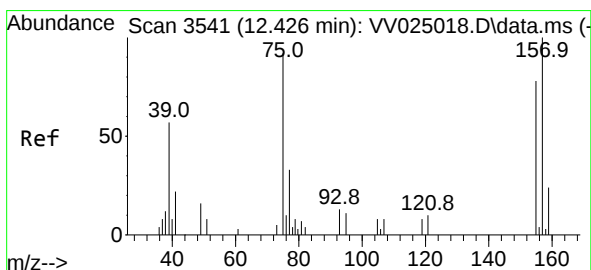
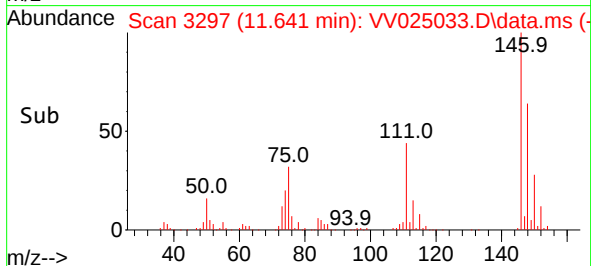
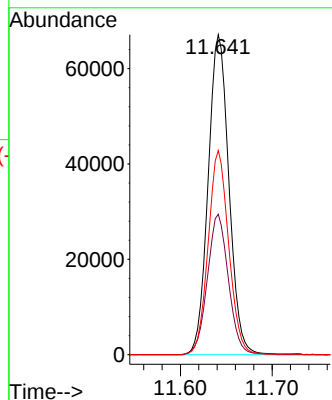
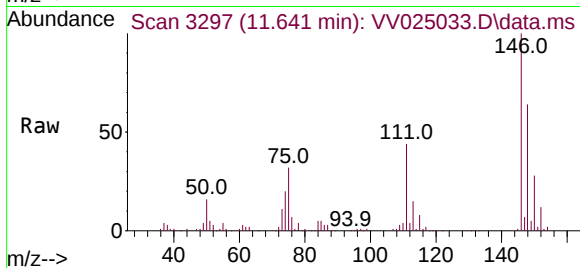
Tgt Ion:146 Resp: 105725

Ion Ratio Lower Upper

146 100

111 43.9 35.5 53.3

148 63.8 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 4.944 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. 0.003 min

Lab File: VV025033.D

Acq: 16 Mar 2022 05:52

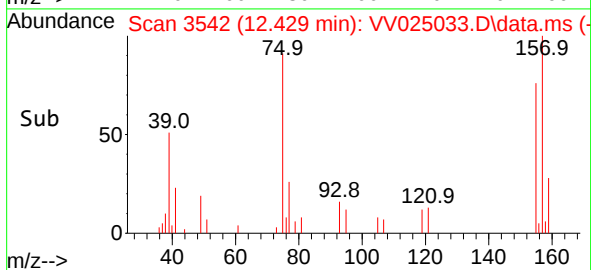
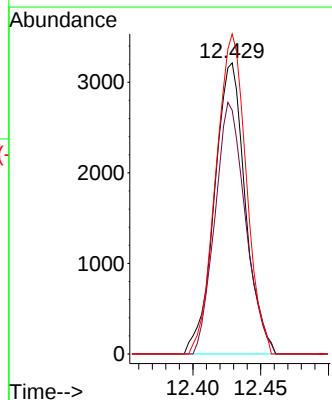
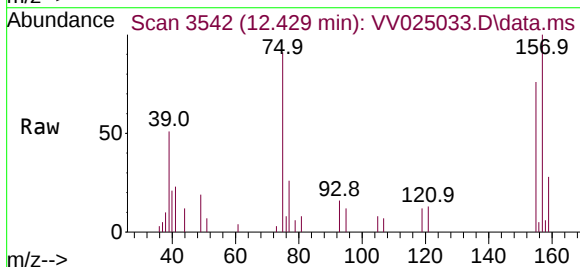
Tgt Ion: 75 Resp: 5093

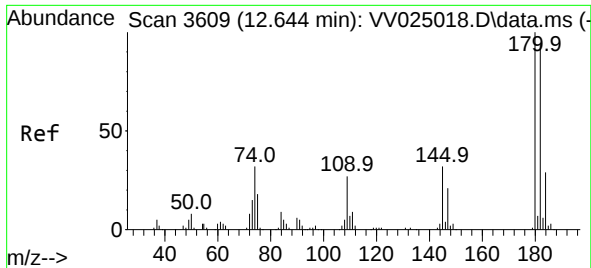
Ion Ratio Lower Upper

75 100

155 83.7 65.9 98.9

157 109.9 89.7 134.5

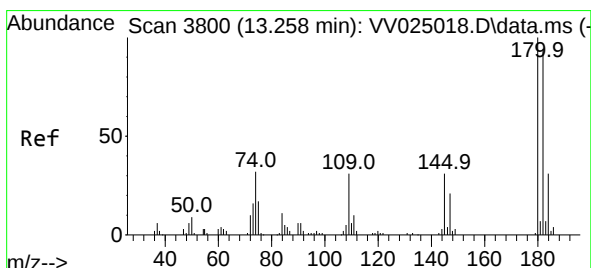
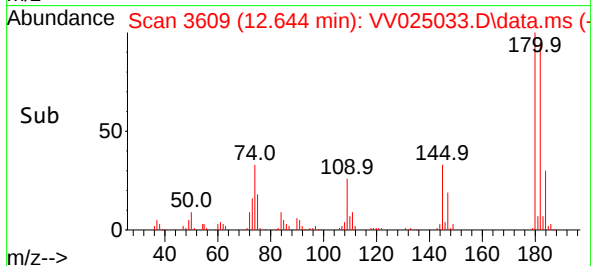
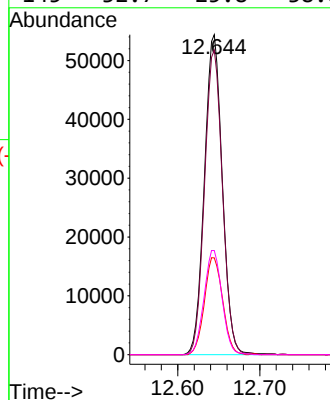
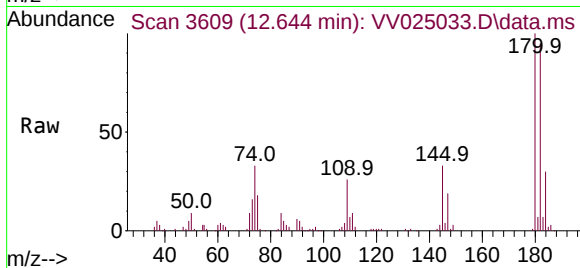




#69
 1,3,5-Trichlorobenzene
 Concen: 4.995 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

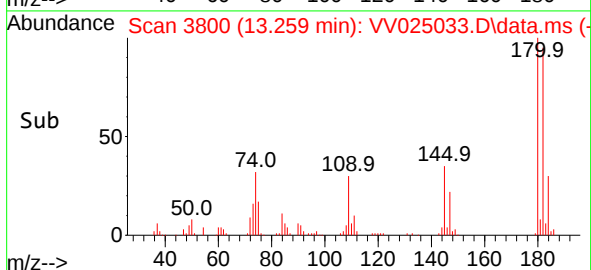
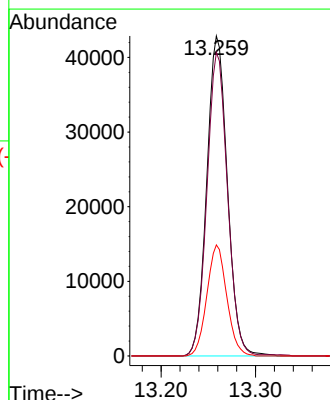
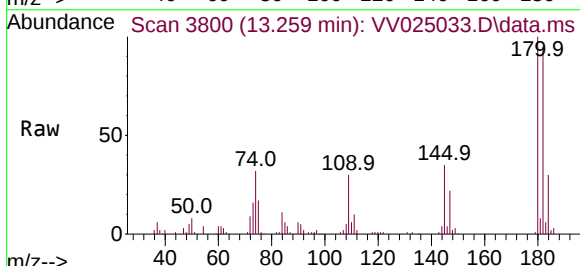
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005332

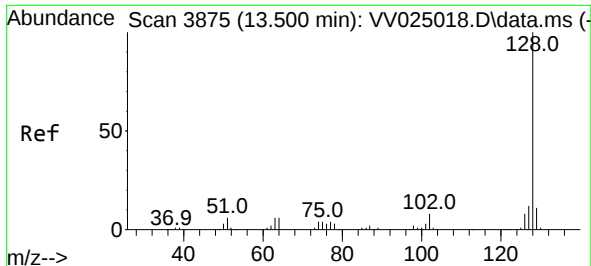
Tgt Ion:180	Resp:	82470
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.4 113.0
184	30.9	24.2 36.4
145	32.7	25.8 38.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.048 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV025033.D
 Acq: 16 Mar 2022 05:52

Tgt Ion:180	Resp:	64930
Ion Ratio	Lower	Upper
180	100	
182	94.5	74.6 112.0
145	33.5	26.1 39.1

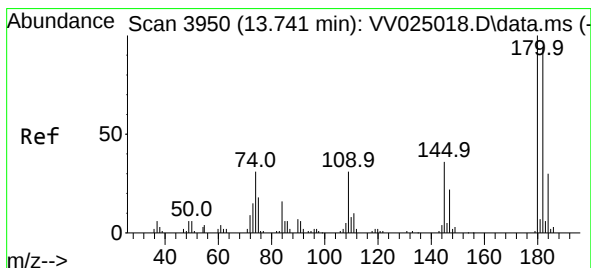
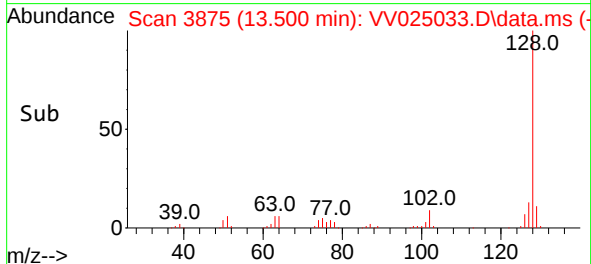
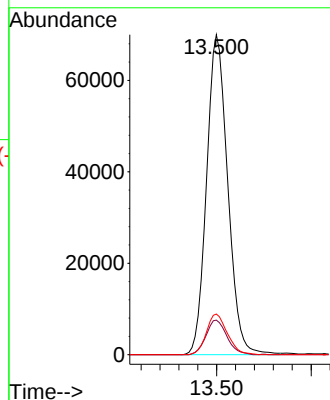
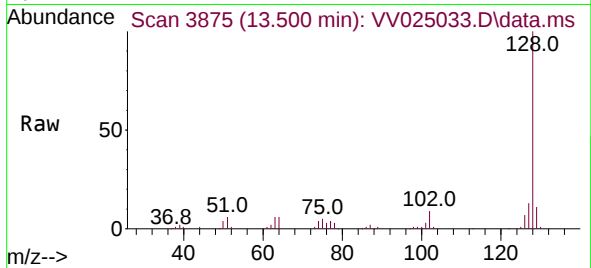




#71
Naphthalene
Concen: 5.099 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

Tgt Ion:128 Resp: 108919
Ion Ratio Lower Upper
128 100
129 10.6 8.5 12.7
127 12.6 9.8 14.8



#72
1,2,3-Trichlorobenzene
Concen: 5.243 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV025033.D
Acq: 16 Mar 2022 05:52

Tgt Ion:180 Resp: 57147
Ion Ratio Lower Upper
180 100
182 93.9 74.8 112.2
145 34.8 27.6 41.4

