

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023522.D
 Acq On : 16 Nov 2021 10:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005357

Quant Time: Nov 17 00:43:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:06:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	124408	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	123428	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	67780	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	39443	5.061	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	101.200%	
7) Chloroethane-d5	1.568	69	32803	5.164	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	103.200%	
11) 1,1-Dichloroethene-d2	2.108	63	75177	5.153	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	103.000%	
20) 2-Butanone-d5	3.902	46	14287	10.640	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	21.280%#	
24) Chloroform-d	4.349	84	79795	4.804	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.000%	
26) 1,2-Dichloroethane-d4	5.034	65	36601	4.900	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	98.000%	
32) Benzene-d6	5.050	84	154095	4.866	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.400%	
36) 1,2-Dichloropropane-d6	6.066	67	44087	4.729	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	94.600%	
41) Toluene-d8	7.313	98	150780	5.081	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.600%	
43) trans-1,3-Dichloroprop...	7.622	79	17401	4.923	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	98.400%	
46) 2-Hexanone-d5	8.092	63	60535	46.544	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	93.080%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32467	4.843	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.800%	
66) 1,2-Dichlorobenzene-d4	11.625	152	56076	4.969	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	53335	4.397	ug/L	97
3) Chloromethane	1.240	50	48216	4.675	ug/L	93
5) Vinyl chloride	1.310	62	49100	4.767	ug/L	100
6) Bromomethane	1.523	94	25497	3.872	ug/L	97
8) Chloroethane	1.584	64	29451	4.954	ug/L	97
9) Trichlorofluoromethane	1.754	101	75766	4.895	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	39571	5.079	ug/L	96
12) 1,1-Dichloroethene	2.118	96	35926	4.843	ug/L	97
13) Acetone	2.191	43	28584	34.840	ug/L	99
14) Carbon disulfide	2.294	76	118806	4.244	ug/L	100
15) Methyl Acetate	2.436	43	10723	4.618	ug/L	100
16) Methylene chloride	2.507	84	41641	3.846	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	79742	4.883	ug/L	96
18) trans-1,2-Dichloroethene	2.761	96	41623	4.564	ug/L	96
19) 1,1-Dichloroethane	3.188	63	73145	4.750	ug/L	98
21) 2-Butanone	3.989	43	49172	37.070	ug/L	76
22) cis-1,2-Dichloroethene	3.912	96	41992	4.784	ug/L #	89
23) Bromochloromethane	4.249	128	19291	4.766	ug/L	83
25) Chloroform	4.375	83	78520	4.784	ug/L	99

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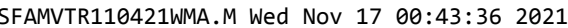
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 ClientSampleId :
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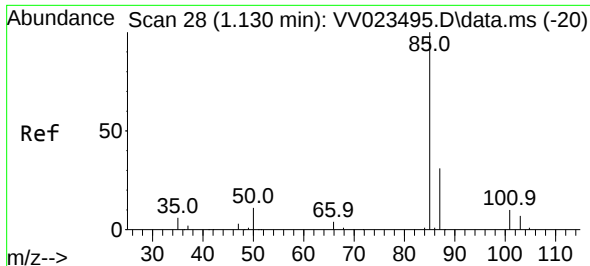
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:06:43 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	43396	4.971	ug/L	97
29) 1,1,1-Trichloroethane	4.606	97	71794	4.789	ug/L	99
30) Cyclohexane	4.674	56	60859	4.531	ug/L	98
31) Carbon tetrachloride	4.825	117	65262	4.847	ug/L	96
33) Benzene	5.098	78	163690	4.745	ug/L	100
34) Trichloroethene	5.915	95	44664	4.868	ug/L	96
35) Methylcyclohexane	6.130	83	66384	4.584	ug/L	96
37) 1,2-Dichloropropane	6.172	63	38834	4.822	ug/L	99
38) Bromodichloromethane	6.510	83	52406	4.856	ug/L	96
39) cis-1,3-Dichloropropene	7.027	75	55397	4.782	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	204464	54.739	ug/L	98
42) Toluene	7.387	91	186620	5.058	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	47101	4.900	ug/L	97
45) 1,1,2-Trichloroethane	7.838	97	29001	5.012	ug/L	97
47) Tetrachloroethene	7.976	164	39234	4.935	ug/L	97
48) 2-Hexanone	8.140	43	150551	57.520	ug/L	99
49) Dibromochloromethane	8.246	129	37208	5.075	ug/L	93
50) 1,2-Dibromoethane	8.352	107	26696	4.978	ug/L	97
51) Chlorobenzene	8.879	112	116266	4.740	ug/L	99
52) Ethylbenzene	9.011	91	191141	4.911	ug/L	97
53) m,p-xylene	9.136	106	75190	4.923	ug/L	95
54) o-xylene	9.542	106	71597	4.997	ug/L	97
55) Styrene	9.561	104	127965	5.213	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	30743	4.849	ug/L	96
59) Bromoform	9.731	173	19970	4.933	ug/L	99
60) Isopropylbenzene	9.931	105	193421	4.973	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	23014	5.111	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	159109	4.933	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	161570	5.033	ug/L	98
64) 1,3-Dichlorobenzene	11.181	146	99812	5.022	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	99231	4.889	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	90725	5.102	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4423	4.611	ug/L	88
69) 1,3,5-Trichlorobenzene	12.644	180	73570	4.728	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	56940	4.570	ug/L	99
71) Naphthalene	13.503	128	76534	4.165	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	51111	4.688	ug/L	98

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

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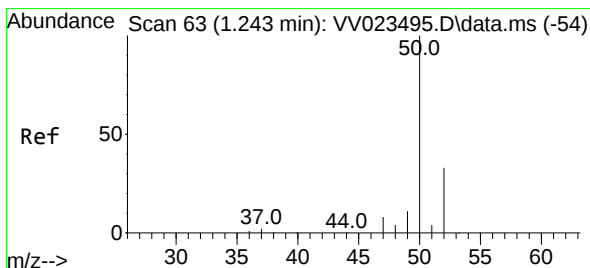
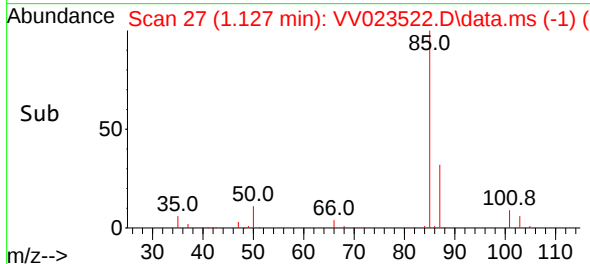
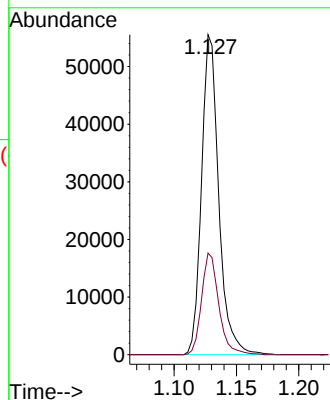
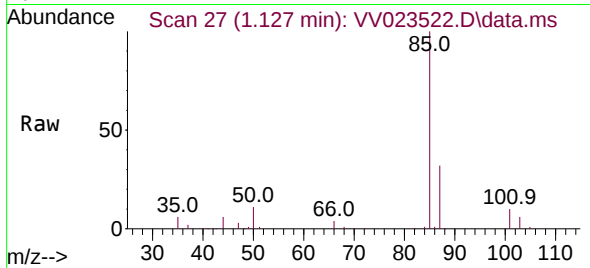




#2
 Dichlorodifluoromethane
 Concen: 4.397 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

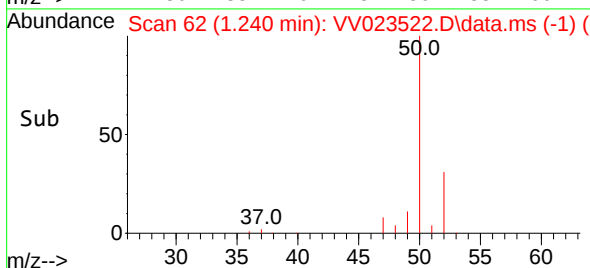
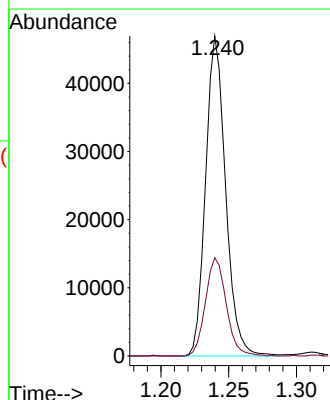
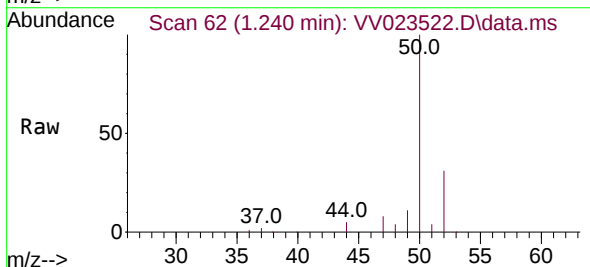
Instrument :
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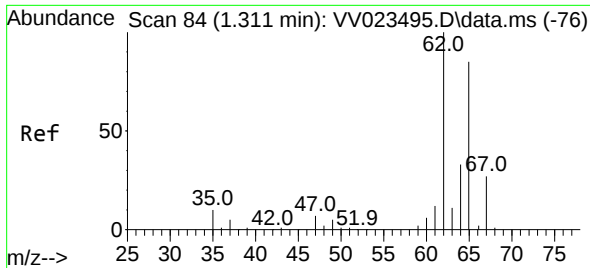
Tgt Ion: 85 Resp: 53335
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.6 39.8



#3
 Chloromethane
 Concen: 4.675 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.003 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

Tgt Ion: 50 Resp: 48216
 Ion Ratio Lower Upper
 50 100
 52 30.7 24.3 45.1

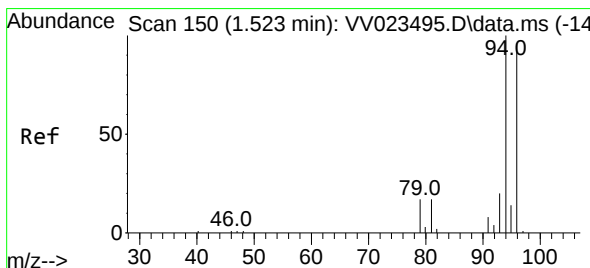
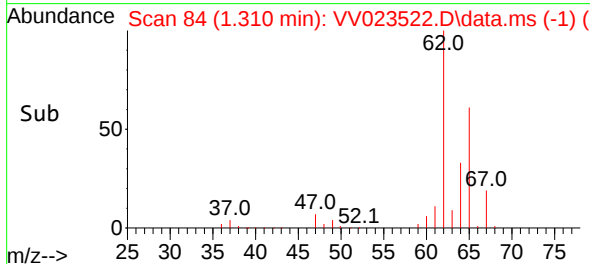
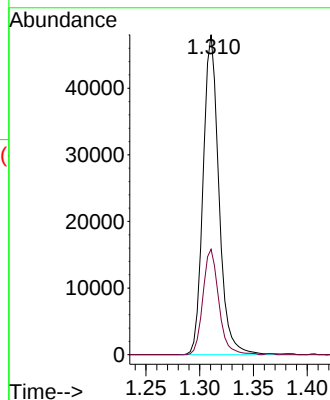
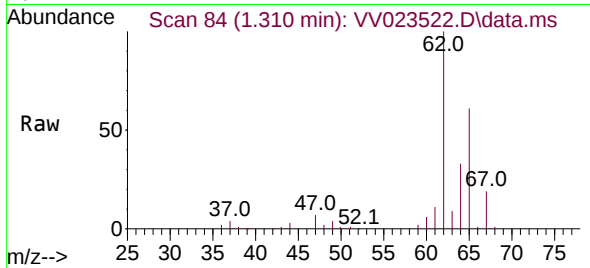




#5
 Vinyl chloride
 Concen: 4.767 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

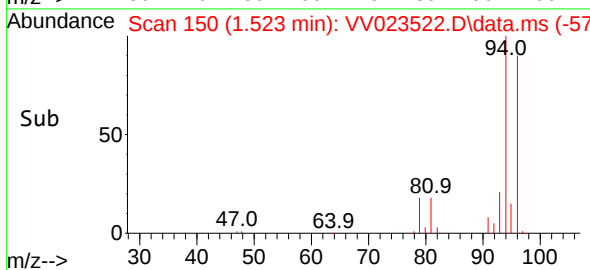
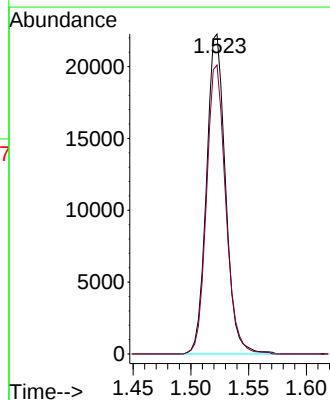
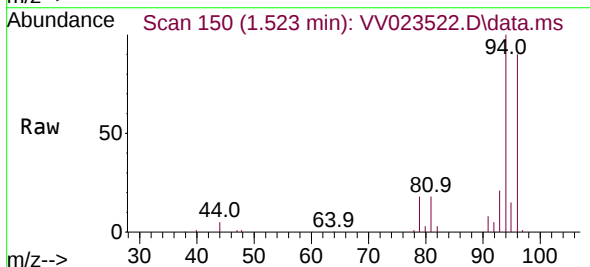
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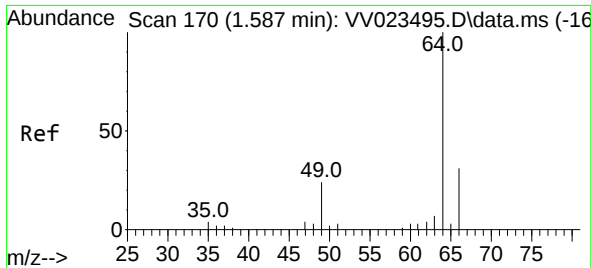
Tgt Ion: 62 Resp: 49100
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 3.872 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

Tgt Ion: 94 Resp: 25497
 Ion Ratio Lower Upper
 94 100
 96 90.3 65.0 120.8

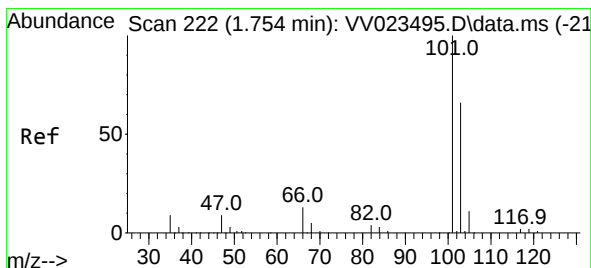
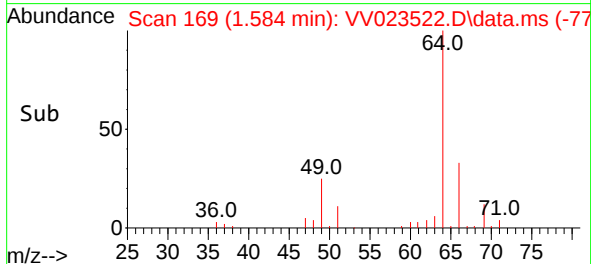
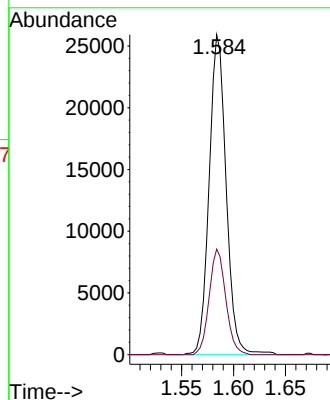
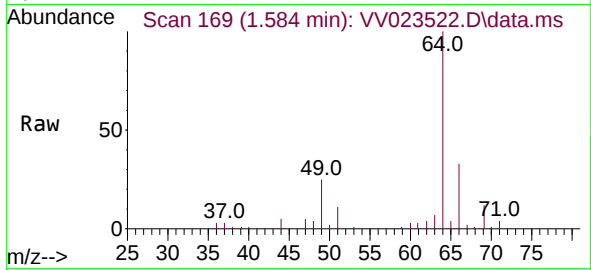




#8
Chloroethane
Concen: 4.954 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

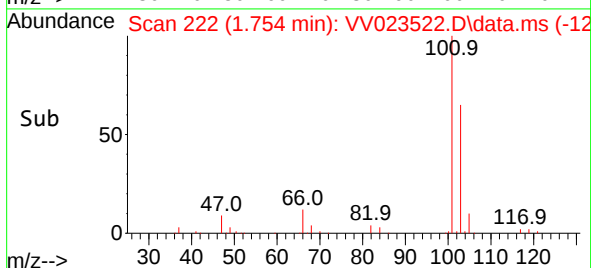
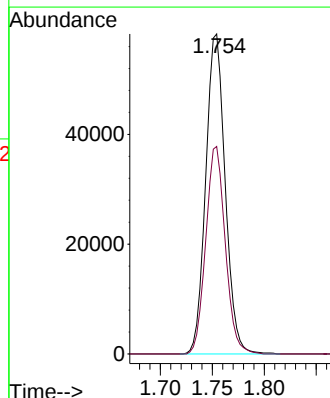
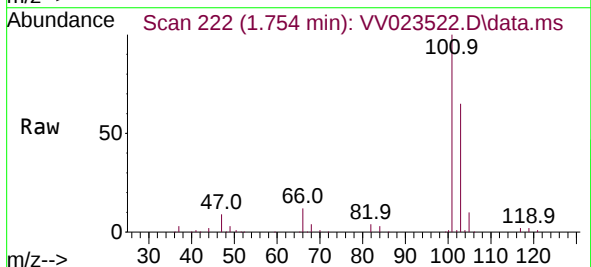
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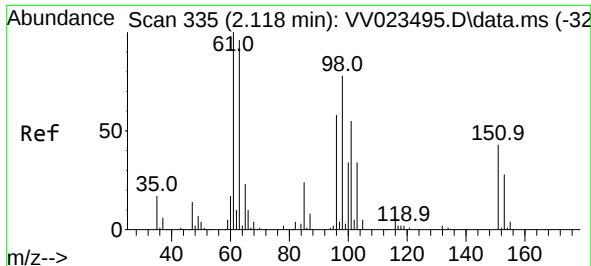
Tgt Ion: 64 Resp: 29451
Ion Ratio Lower Upper
64 100
66 33.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.895 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion:101 Resp: 75766
Ion Ratio Lower Upper
101 100
103 64.9 52.6 79.0

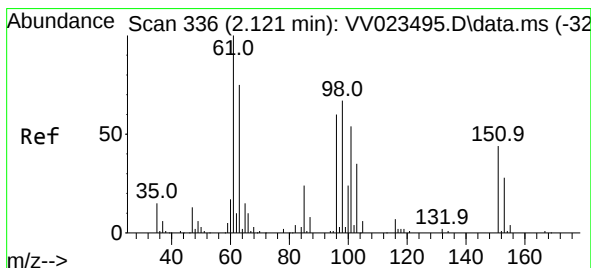
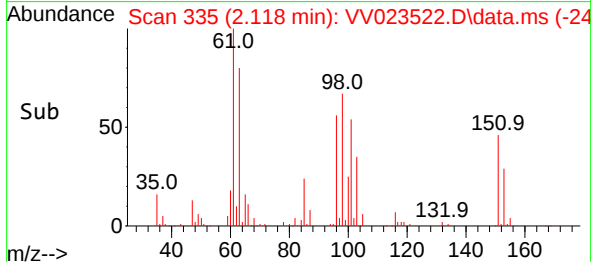
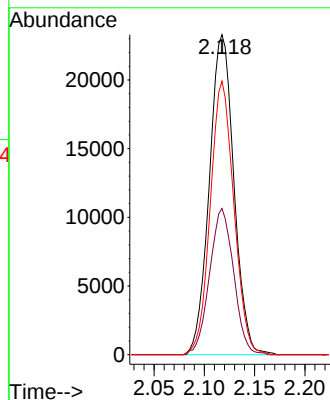
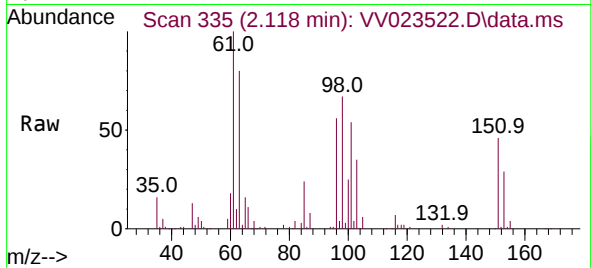




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.079 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

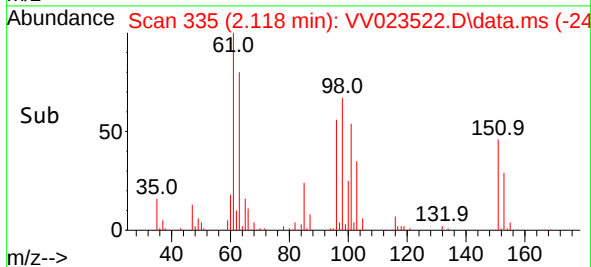
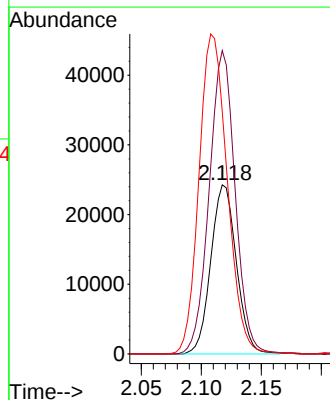
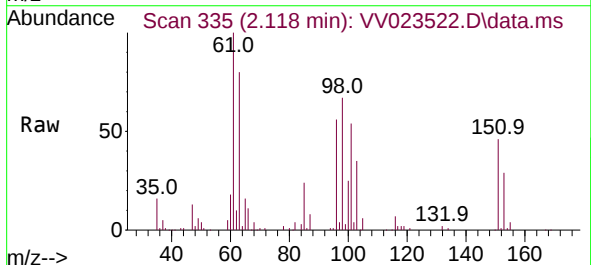
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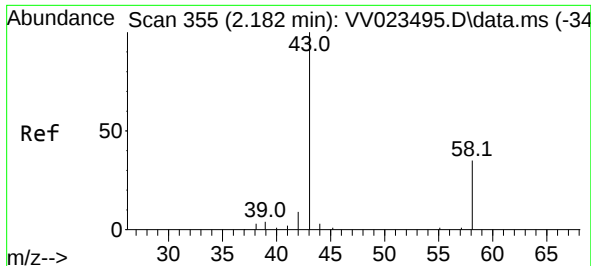
Tgt Ion:101 Resp: 39571
 Ion Ratio Lower Upper
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 85 44.8 35.3 52.9
 151 82.1 62.2 93.2



#12
 1,1-Dichloroethene
 Concen: 4.843 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

Tgt Ion: 96 Resp: 35926
 Ion Ratio Lower Upper
 96 100
 61 179.4 121.5 225.7
 63 143.2 99.6 185.0





#13

Acetone

Concen: 34.840 ug/L

RT: 2.191 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

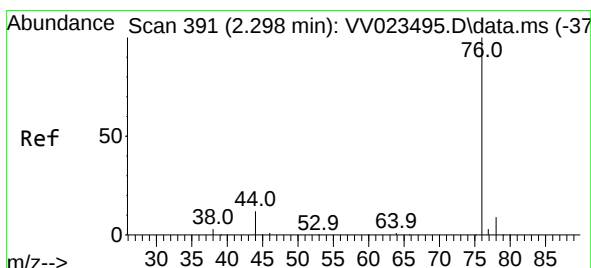
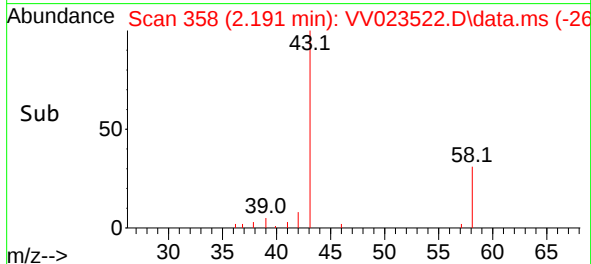
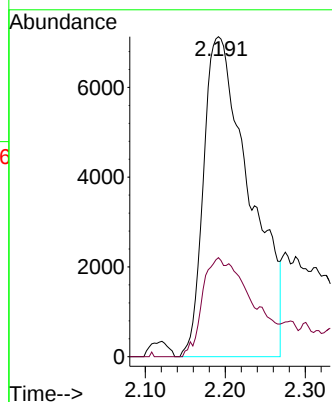
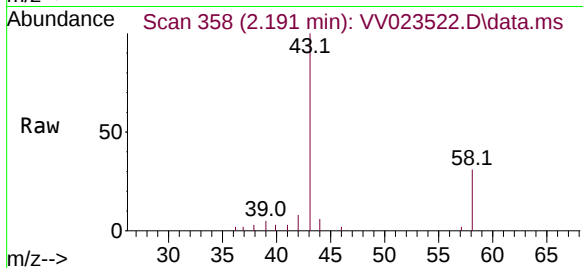
VSTD005357

Tgt Ion: 43 Resp: 28584

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.4



#14

Carbon disulfide

Concen: 4.244 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.003 min

Lab File: VV023522.D

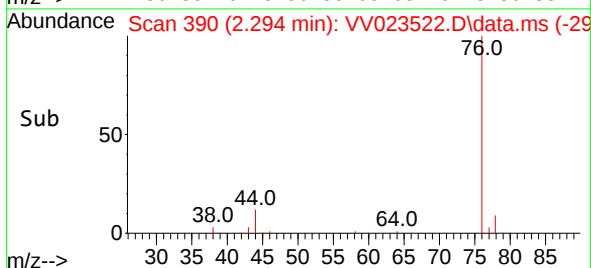
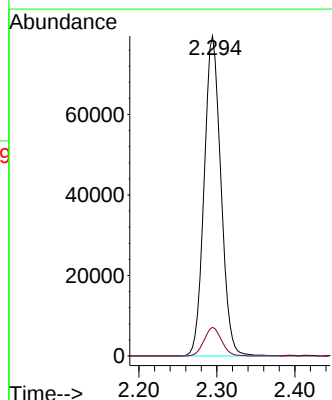
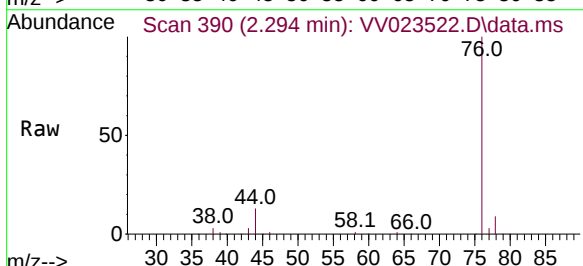
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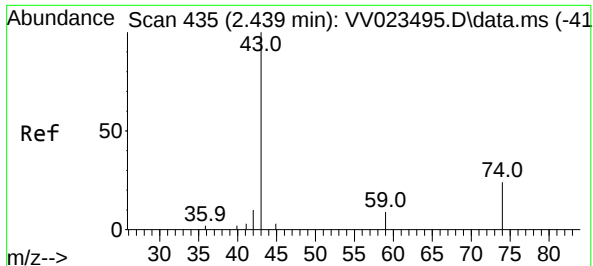
Tgt Ion: 76 Resp: 118806

Ion Ratio Lower Upper

76 100

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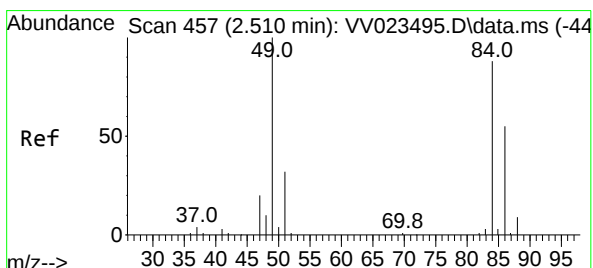
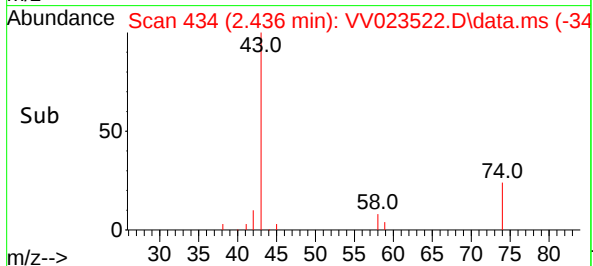
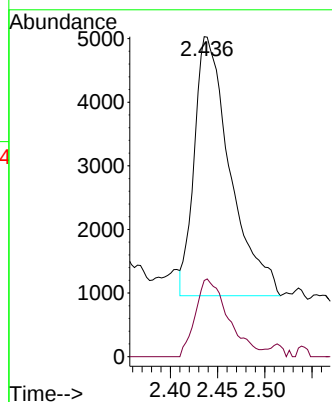
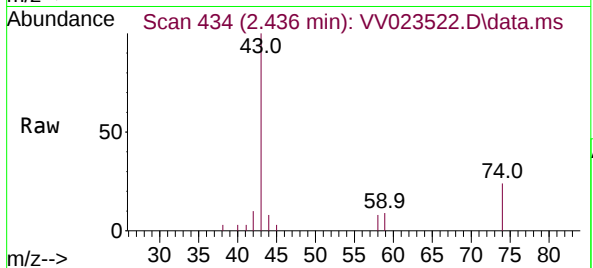




#15
Methyl Acetate
Concen: 4.618 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

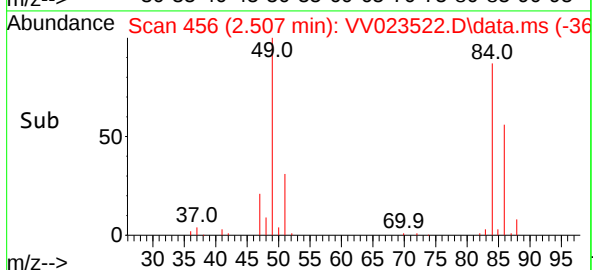
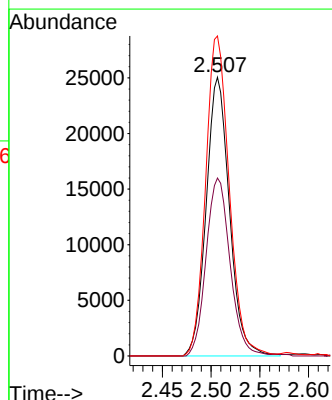
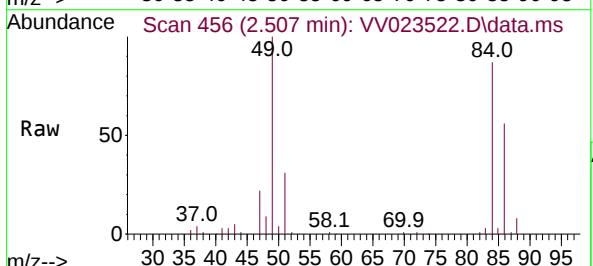
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

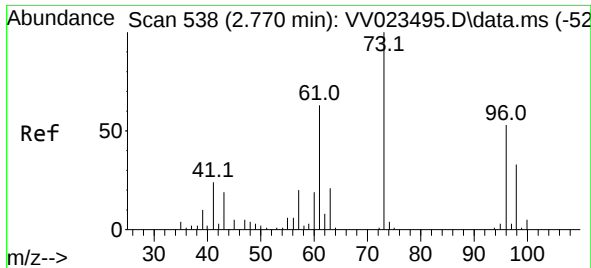
Tgt Ion: 43 Resp: 10723
Ion Ratio Lower Upper
43 100
74 27.8 22.2 33.2



#16
Methylene chloride
Concen: 3.846 ug/L
RT: 2.507 min Scan# 456
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 84 Resp: 41641
Ion Ratio Lower Upper
84 100
86 63.8 42.3 78.5
49 114.8 79.7 148.1

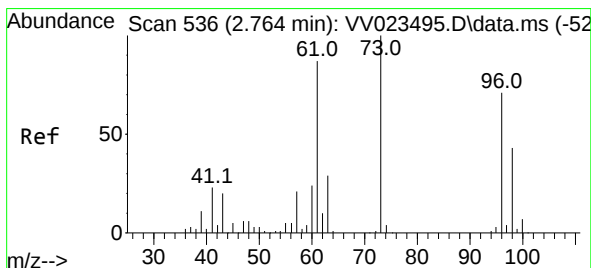
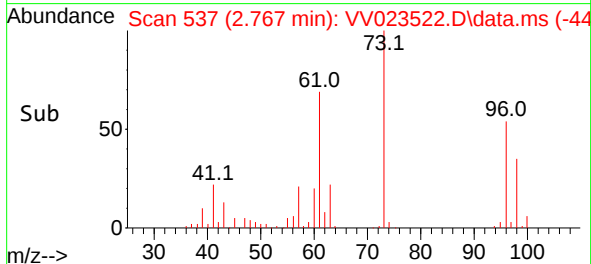
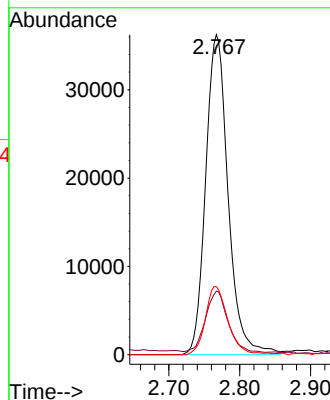
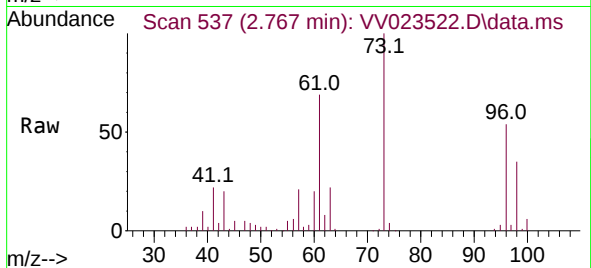




#17
Methyl tert-butyl Ether
Concen: 4.883 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

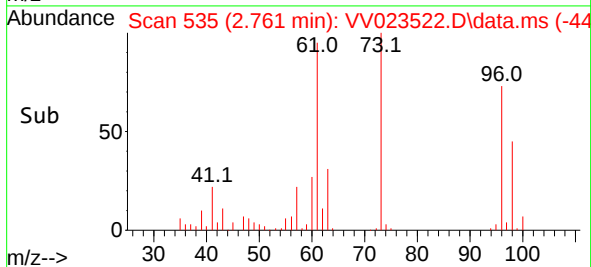
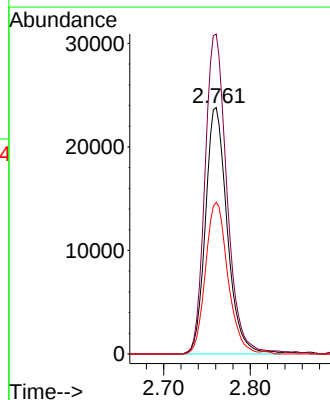
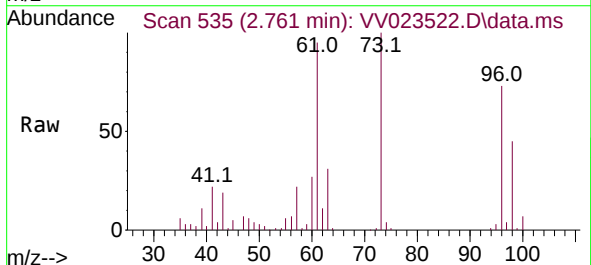
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

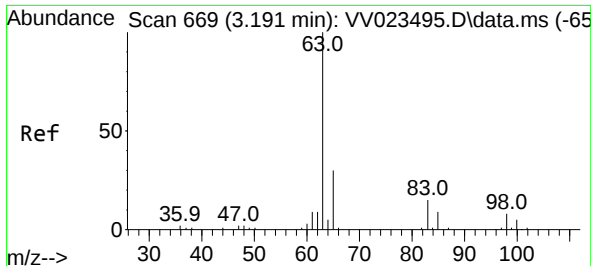
Tgt Ion: 73 Resp: 79742
Ion Ratio Lower Upper
73 100
43 18.9 17.4 26.0
57 21.5 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 4.564 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 96 Resp: 41623
Ion Ratio Lower Upper
96 100
61 129.9 93.2 173.2
98 61.6 47.0 87.2





#19

1,1-Dichloroethane

Concen: 4.750 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

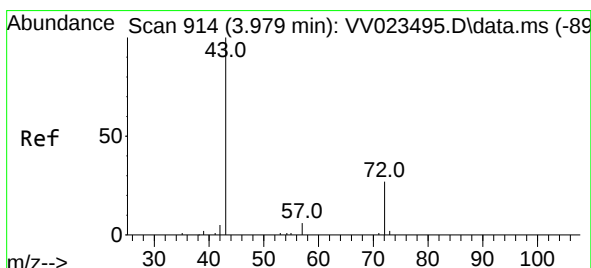
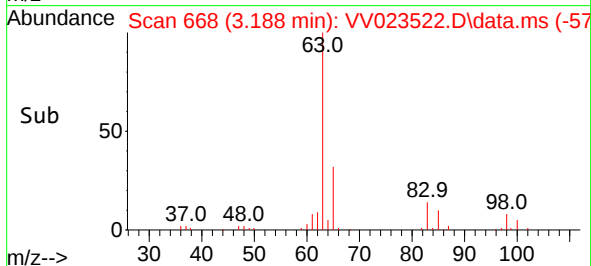
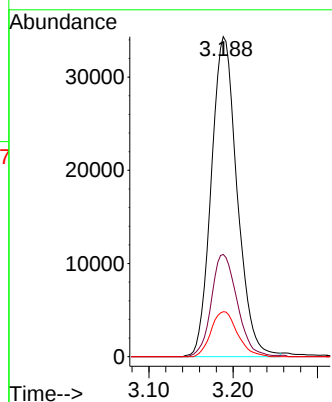
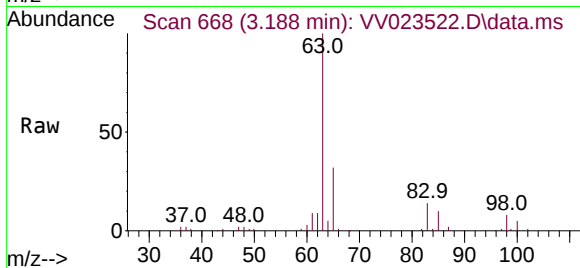
Tgt Ion: 63 Resp: 73145

Ion Ratio Lower Upper

63 100

65 31.9 22.6 42.0

83 14.1 11.1 20.7



#21

2-Butanone

Concen: 37.070 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.010 min

Lab File: VV023522.D

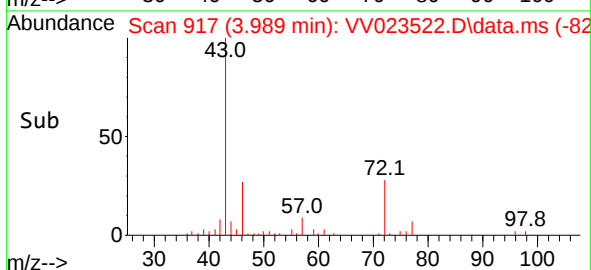
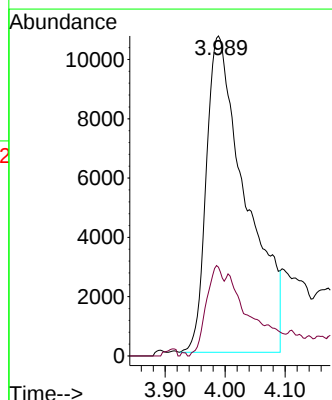
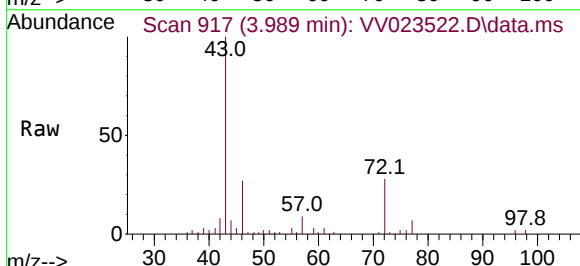
Acq: 16 Nov 2021 10:01

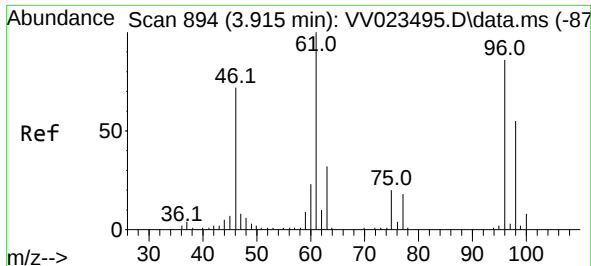
Tgt Ion: 43 Resp: 49172

Ion Ratio Lower Upper

43 100

72 12.3 11.9 35.9





#22

cis-1,2-Dichloroethene

Concen: 4.784 ug/L

RT: 3.912 min Scan# 894

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

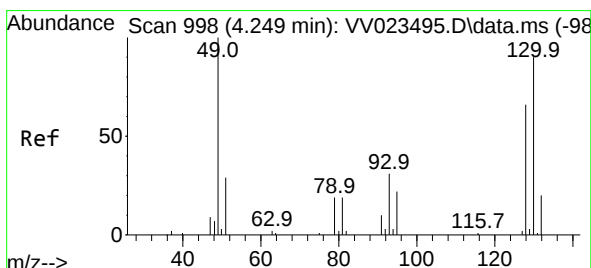
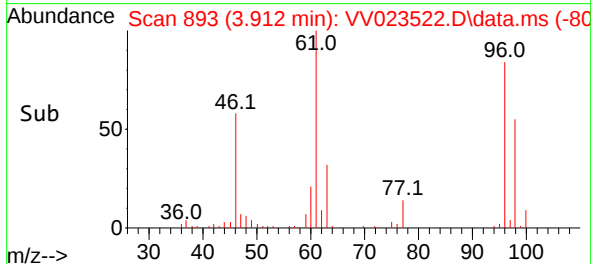
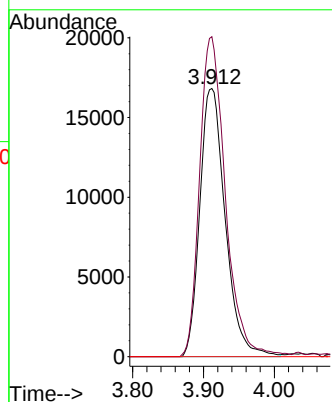
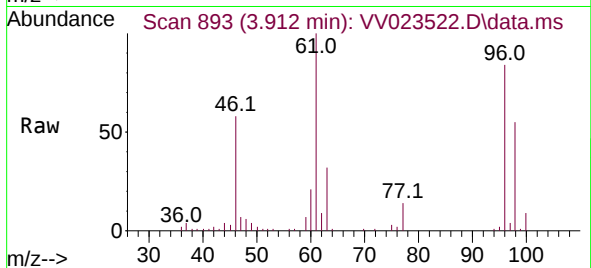
Tgt Ion: 96 Resp: 41992

Ion Ratio Lower Upper

96 100

61 119.3 92.3 171.3

68 0.0 0.4 0.8#



#23

Bromochloromethane

Concen: 4.766 ug/L

RT: 4.249 min Scan# 998

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Tgt Ion:128 Resp: 19291

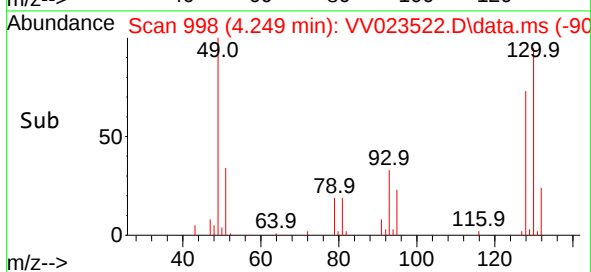
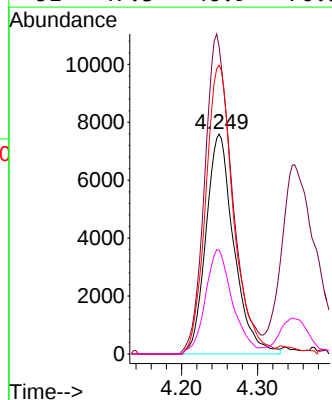
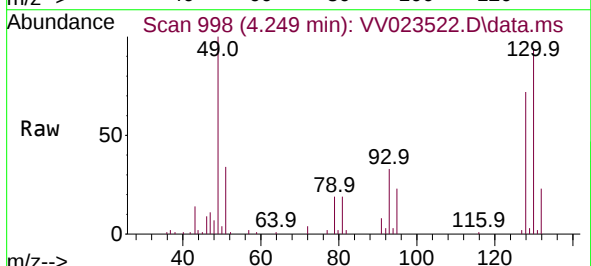
Ion Ratio Lower Upper

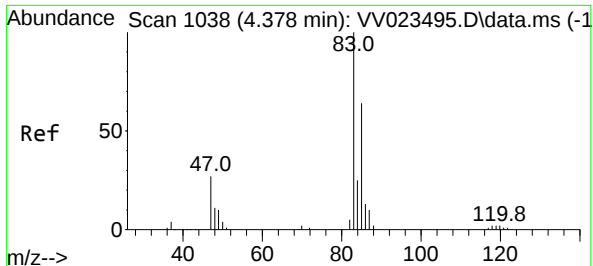
128 100

49 139.9 126.1 234.3

130 131.3 95.2 176.8

51 47.3 46.9 70.3





#25

Chloroform

Concen: 4.784 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

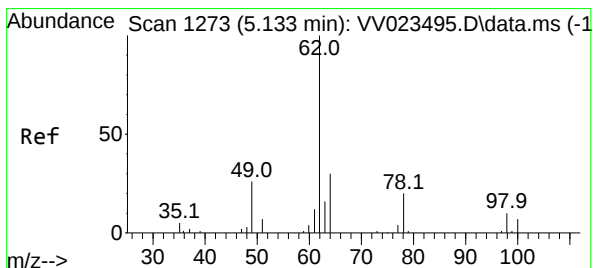
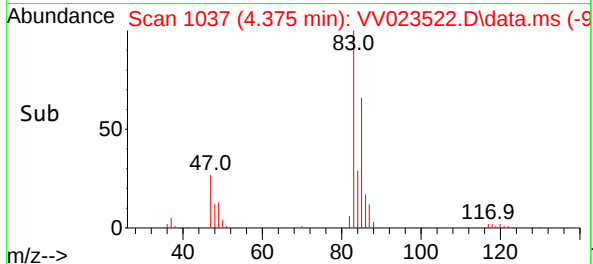
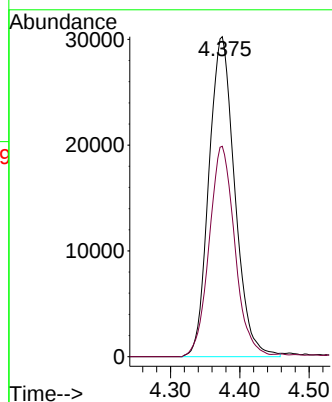
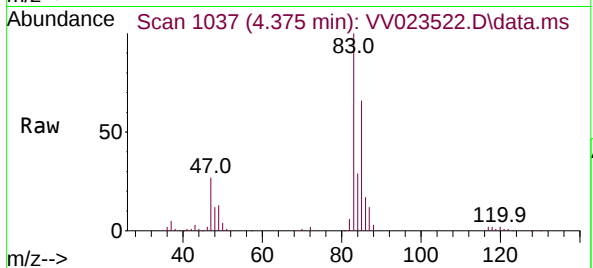
VSTD005357

Tgt Ion: 83 Resp: 78520

Ion Ratio Lower Upper

83 100

85 65.7 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.971 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VV023522.D

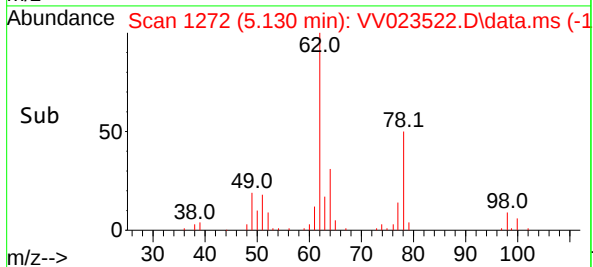
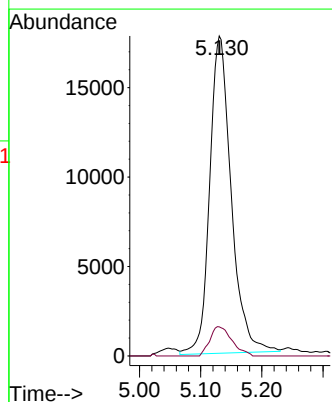
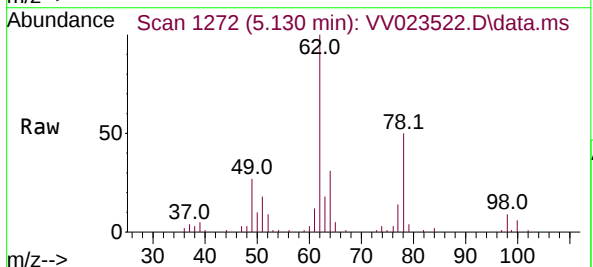
Acq: 16 Nov 2021 10:01

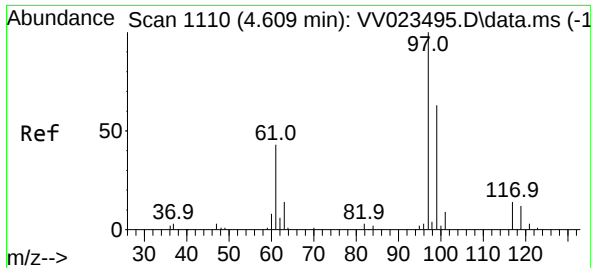
Tgt Ion: 62 Resp: 43396

Ion Ratio Lower Upper

62 100

98 9.1 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.789 ug/L

RT: 4.606 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

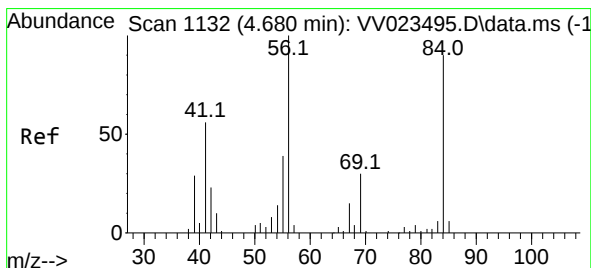
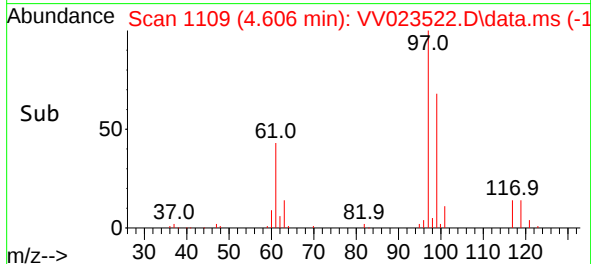
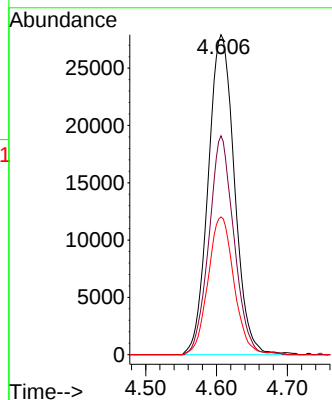
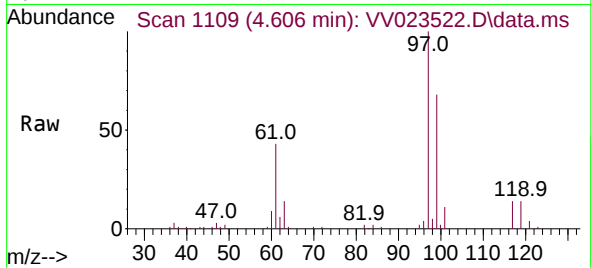
Tgt Ion: 97 Resp: 71794

Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.4

61 42.7 34.1 51.1



#30

Cyclohexane

Concen: 4.531 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

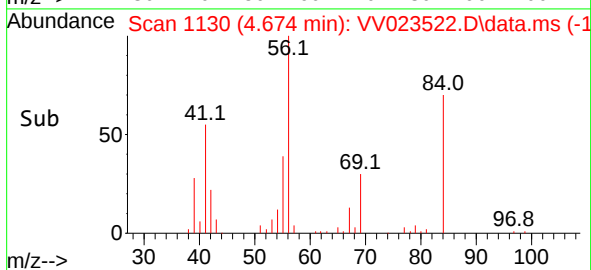
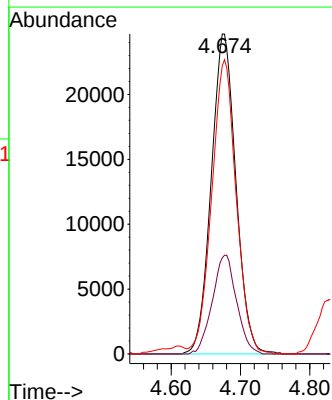
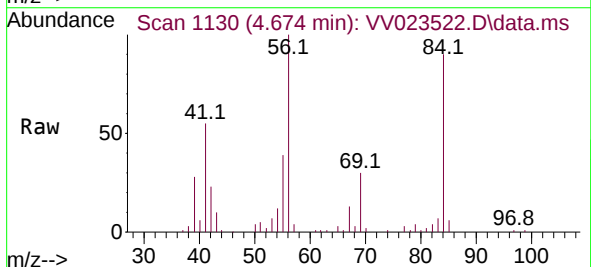
Tgt Ion: 56 Resp: 60859

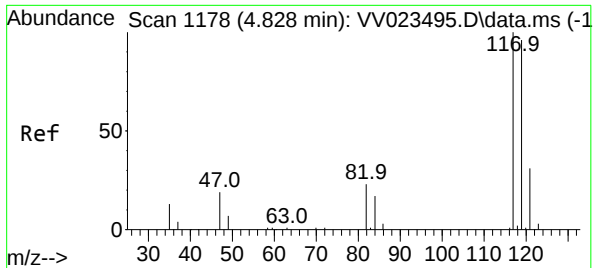
Ion Ratio Lower Upper

56 100

69 30.4 23.5 35.3

84 91.5 71.6 107.4

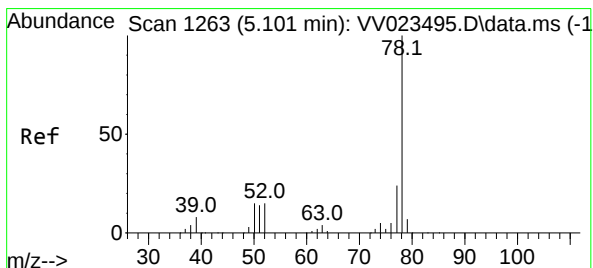
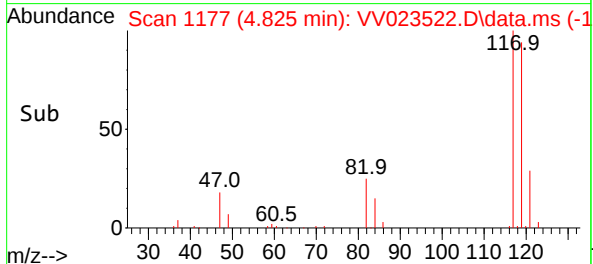
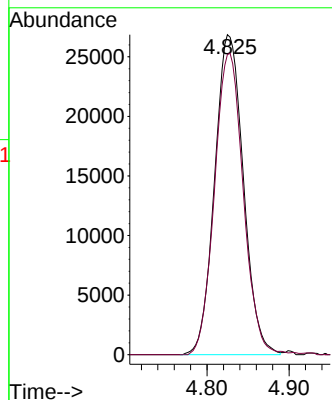
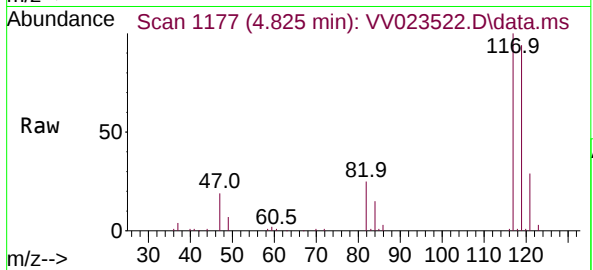




#31
Carbon tetrachloride
Concen: 4.847 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

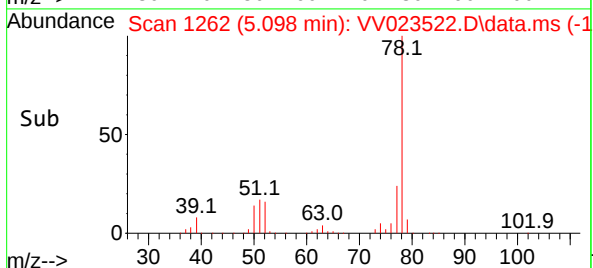
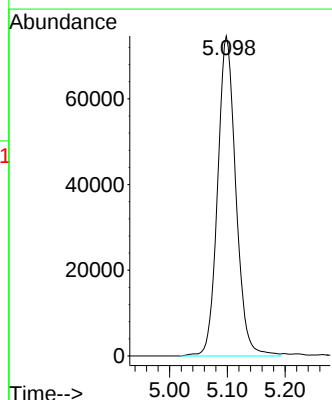
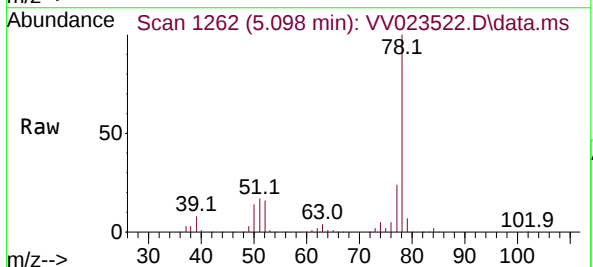
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

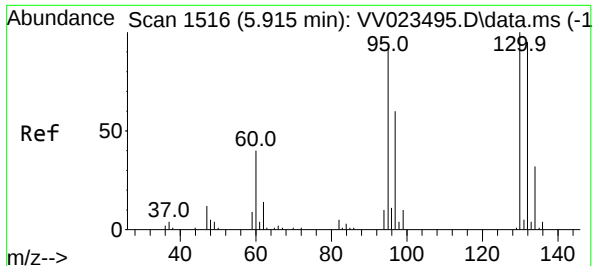
Tgt Ion:117 Resp: 65262
Ion Ratio Lower Upper
117 100
119 94.5 78.8 118.2



#33
Benzene
Concen: 4.745 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 78 Resp: 163690

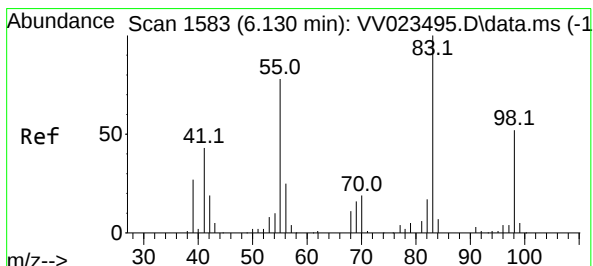
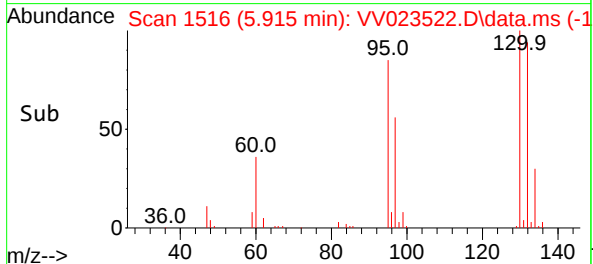
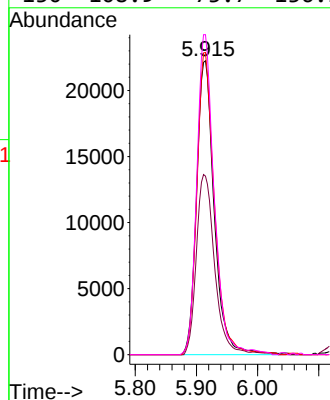
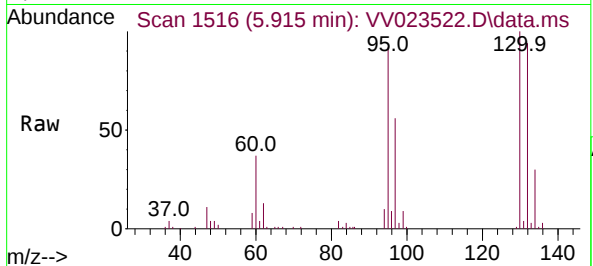




#34
Trichloroethene
Concen: 4.868 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

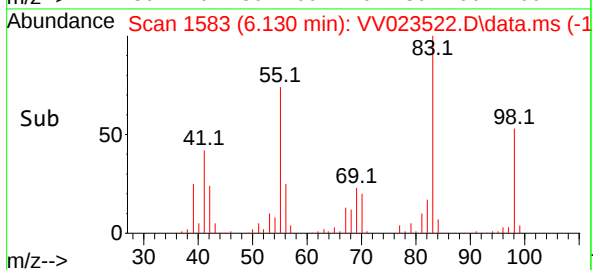
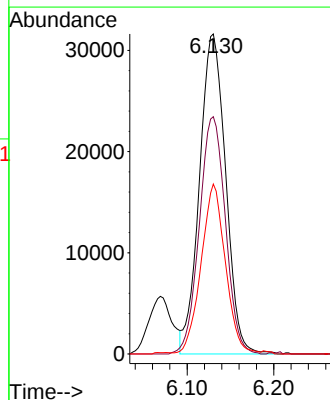
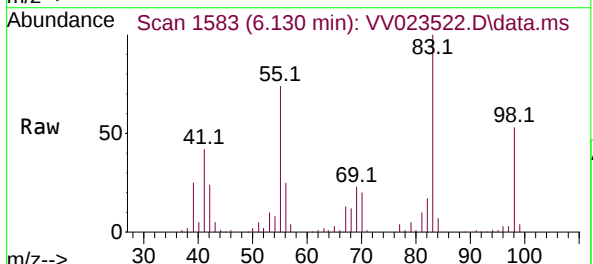
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

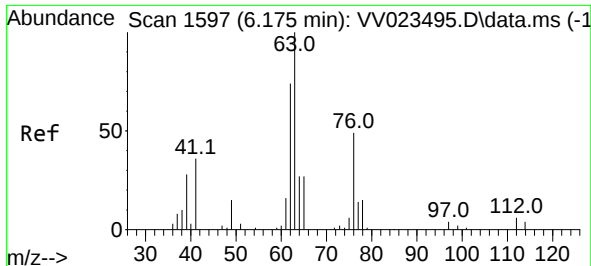
Tgt Ion: 95 Resp: 44664
Ion Ratio Lower Upper
95 100
97 60.7 45.0 83.6
132 102.8 69.7 129.4
130 108.9 73.7 136.9



#35
Methylcyclohexane
Concen: 4.584 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 83 Resp: 66384
Ion Ratio Lower Upper
83 100
55 73.9 62.8 94.2
98 48.3 37.9 56.9





#37

1,2-Dichloropropane

Concen: 4.822 ug/L

RT: 6.172 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

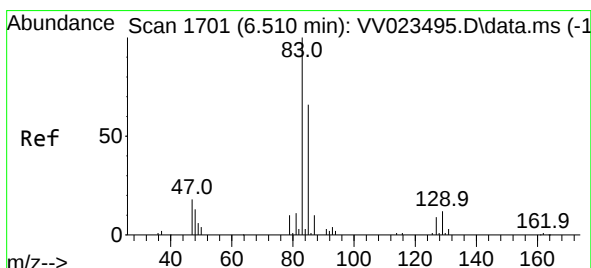
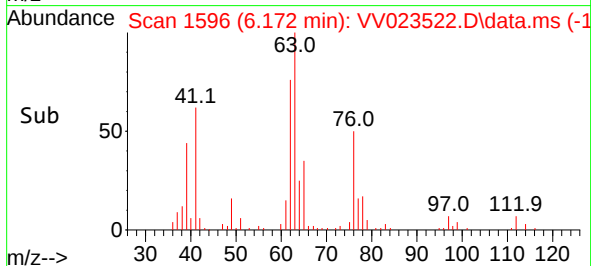
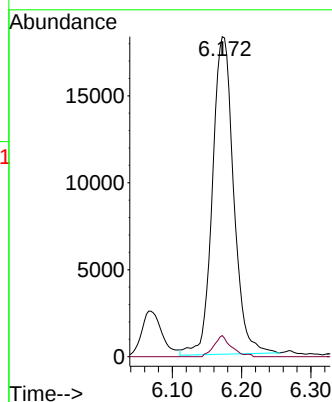
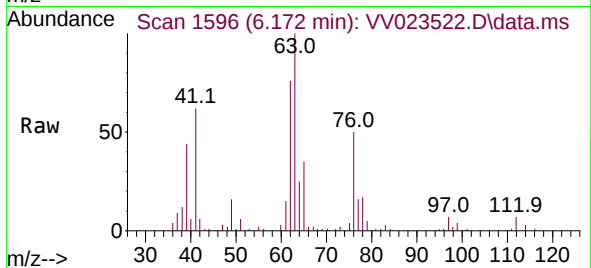
VSTD005357

Tgt Ion: 63 Resp: 38834

Ion Ratio Lower Upper

63 100

112 5.2 4.6 6.8



#38

Bromodichloromethane

Concen: 4.856 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

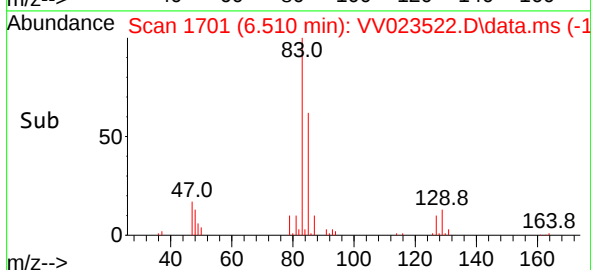
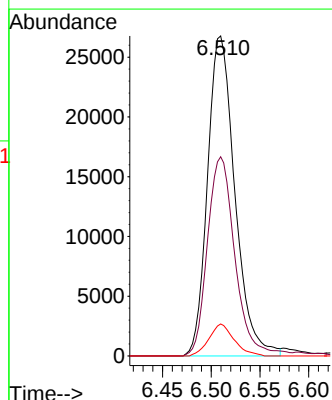
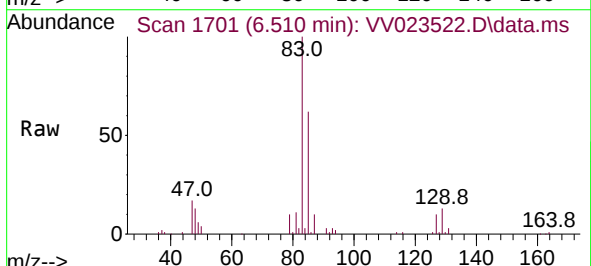
Tgt Ion: 83 Resp: 52406

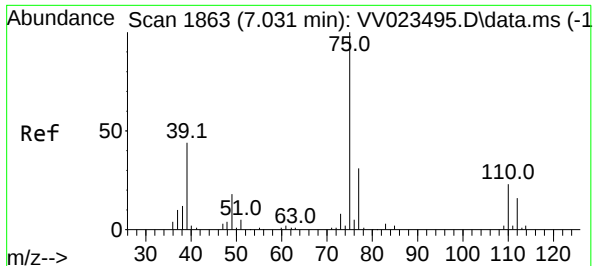
Ion Ratio Lower Upper

83 100

85 62.2 46.1 85.7

127 10.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.782 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

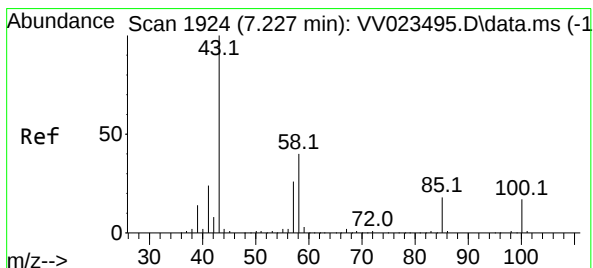
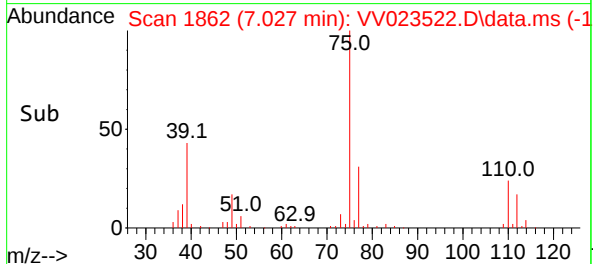
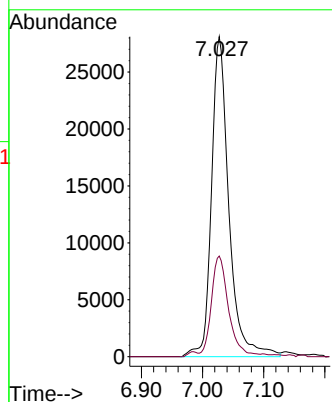
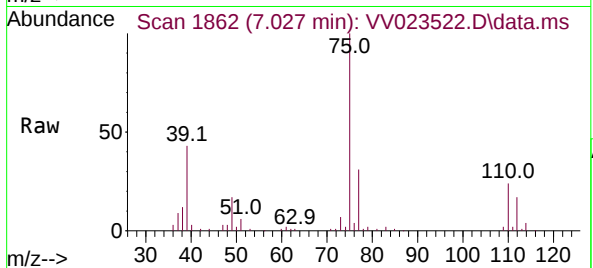
VSTD005357

Tgt Ion: 75 Resp: 55397

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 54.739 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

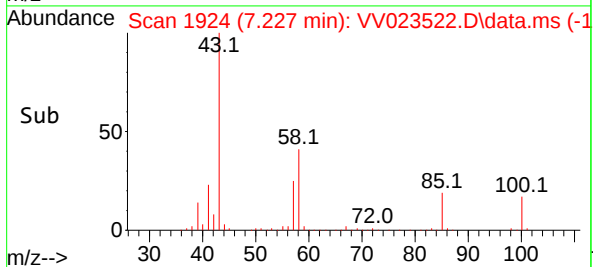
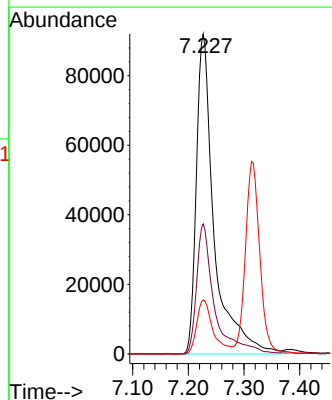
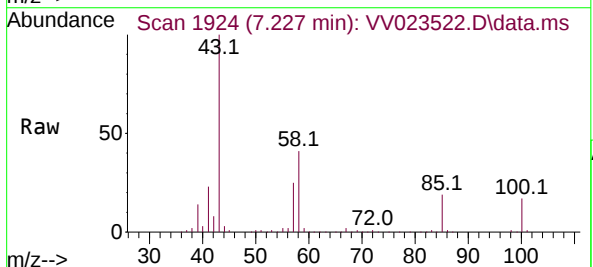
Tgt Ion: 43 Resp: 204464

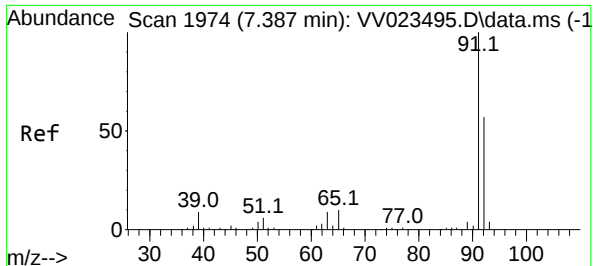
Ion Ratio Lower Upper

43 100

58 40.7 31.1 46.7

100 15.6 12.6 19.0





#42

Toluene

Concen: 5.058 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

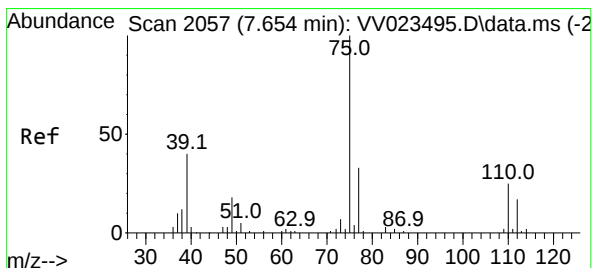
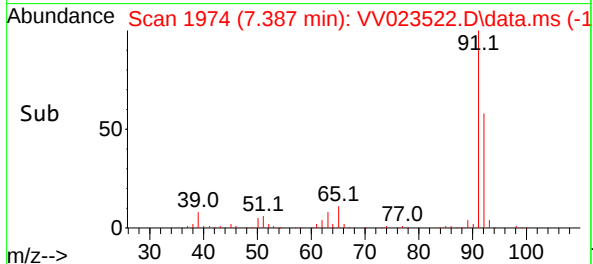
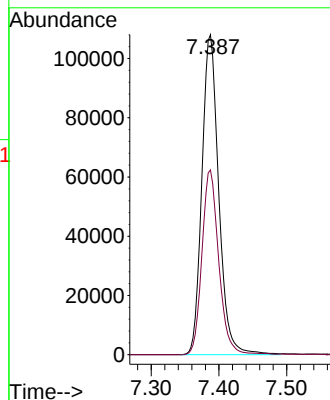
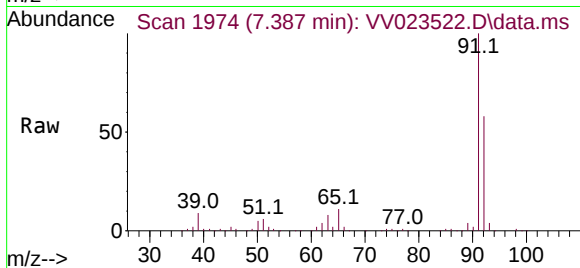
VSTD005357

Tgt Ion: 91 Resp: 186620

Ion Ratio Lower Upper

91 100

92 57.8 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 4.900 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. -0.003 min

Lab File: VV023522.D

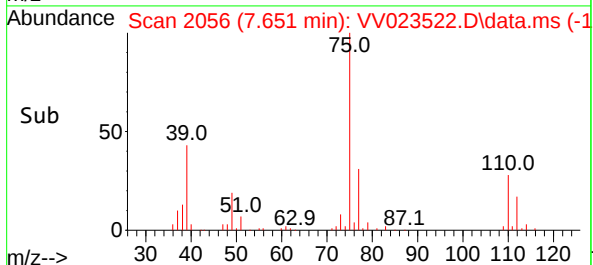
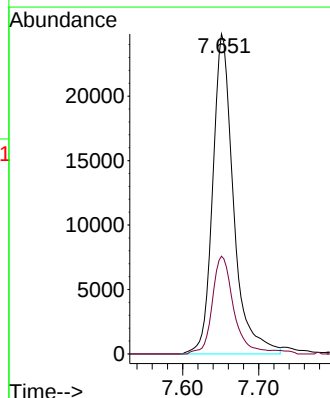
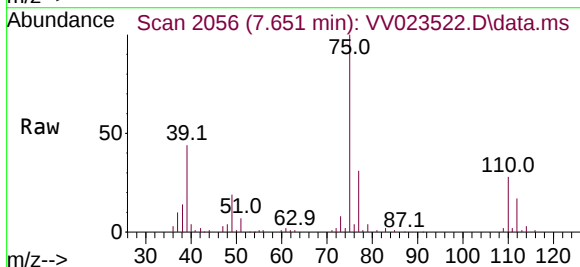
Acq: 16 Nov 2021 10:01

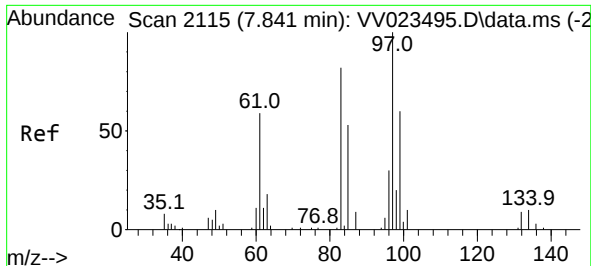
Tgt Ion: 75 Resp: 47101

Ion Ratio Lower Upper

75 100

77 30.6 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.012 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

Tgt Ion: 97 Resp: 29001

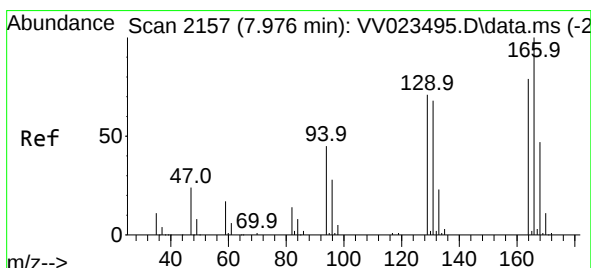
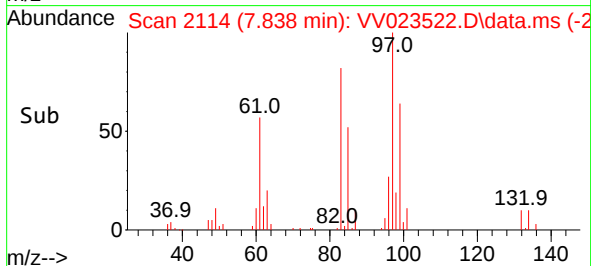
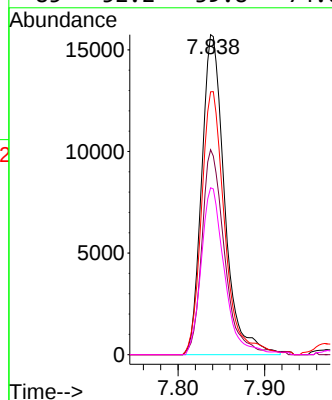
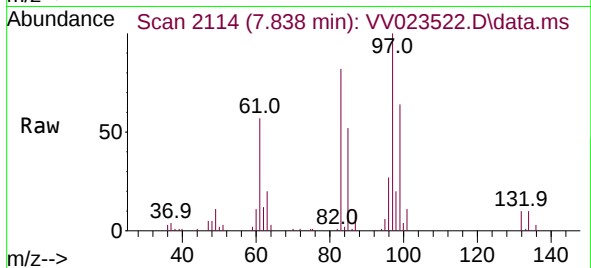
Ion Ratio Lower Upper

97 100

99 64.0 43.6 81.0

83 82.1 58.4 108.4

85 52.2 39.8 74.0



#47

Tetrachloroethene

Concen: 4.935 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Tgt Ion:164 Resp: 39234

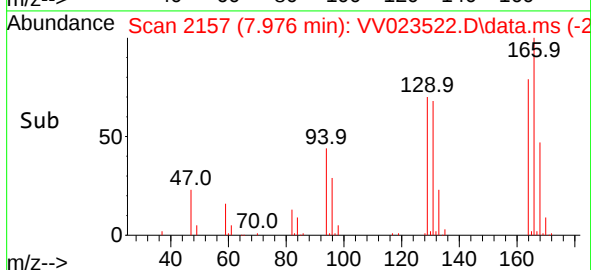
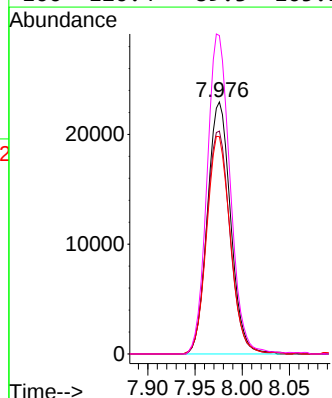
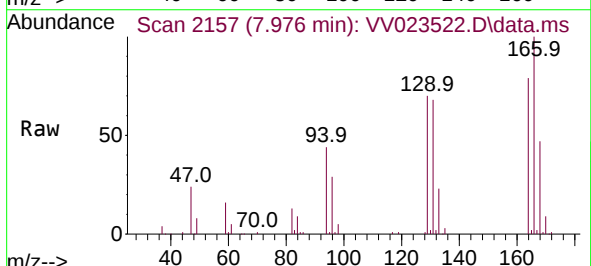
Ion Ratio Lower Upper

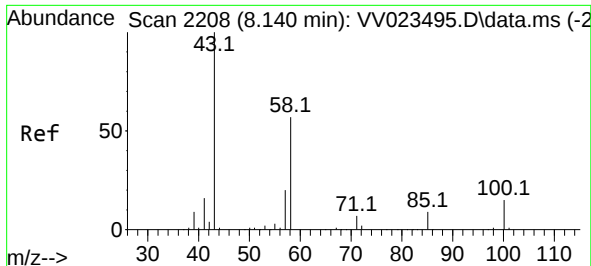
164 100

129 88.5 64.0 119.0

131 86.2 63.4 117.8

166 126.4 89.3 165.9



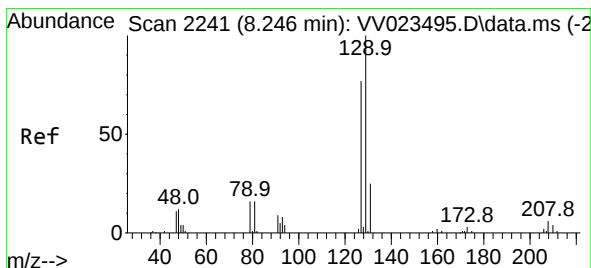
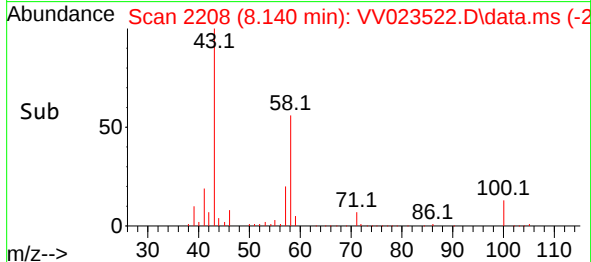
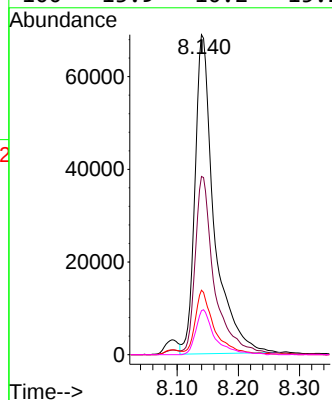
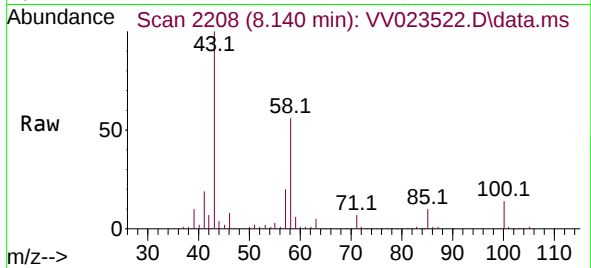


#48
2-Hexanone
Concen: 57.520 ug/L
RT: 8.140 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

Tgt Ion: 43 Resp: 150551

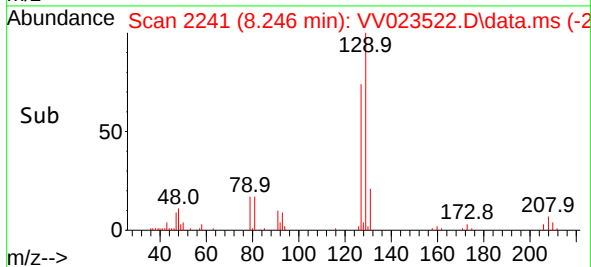
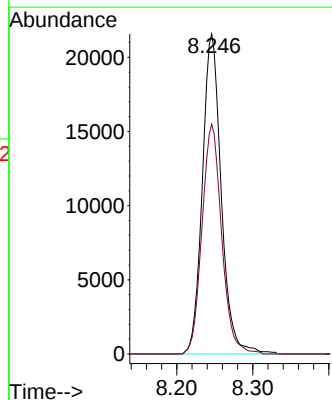
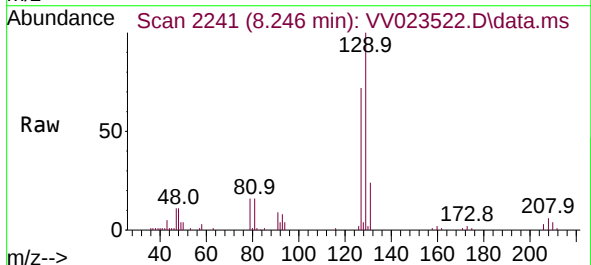
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.7	65.5
57	18.8	14.1	21.1
100	13.9	10.2	15.2

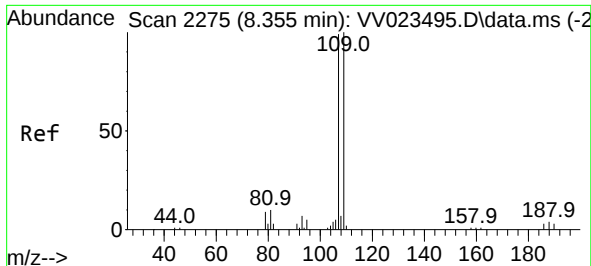


#49
Dibromochloromethane
Concen: 5.075 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 129 Resp: 37208

Ion	Ratio	Lower	Upper
129	100		
127	71.8	54.7	101.7





#50

1,2-Dibromoethane

Concen: 4.978 ug/L

RT: 8.352 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

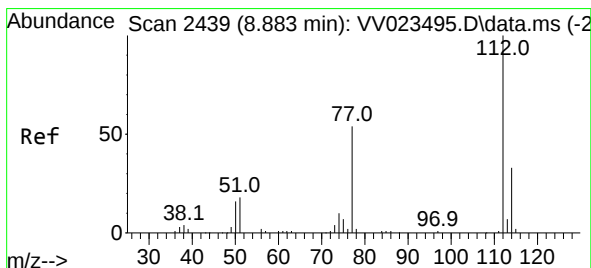
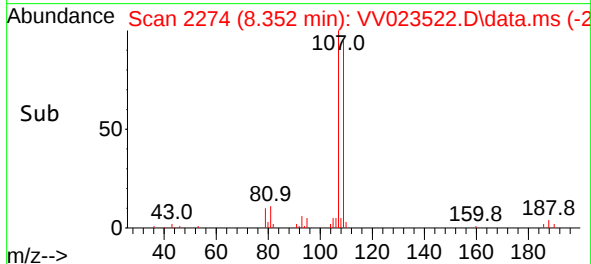
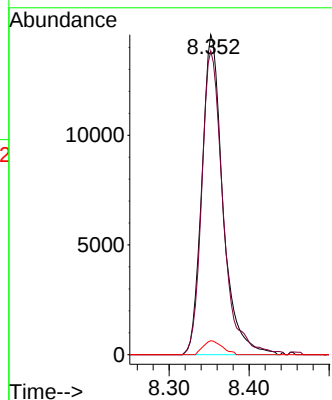
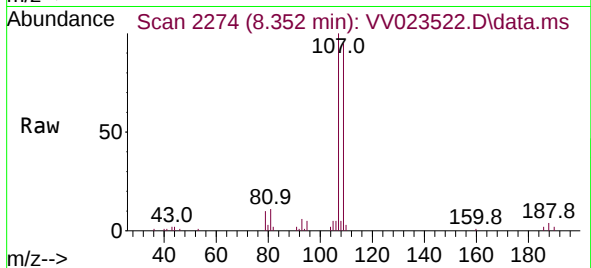
Tgt Ion:107 Resp: 26696

Ion Ratio Lower Upper

107 100

109 94.9 64.7 120.1

188 4.4 3.6 5.4



#51

Chlorobenzene

Concen: 4.740 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.003 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

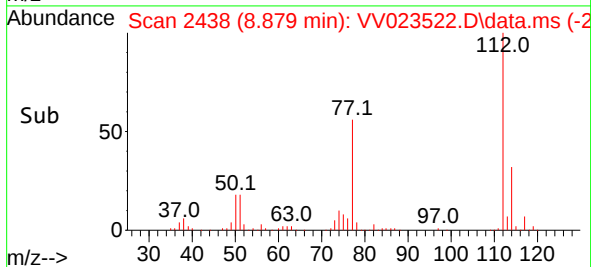
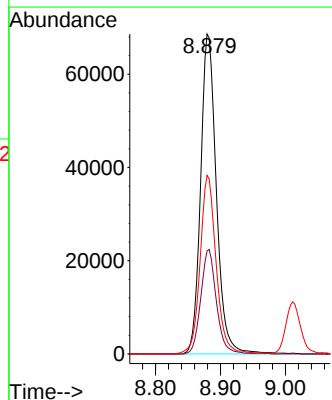
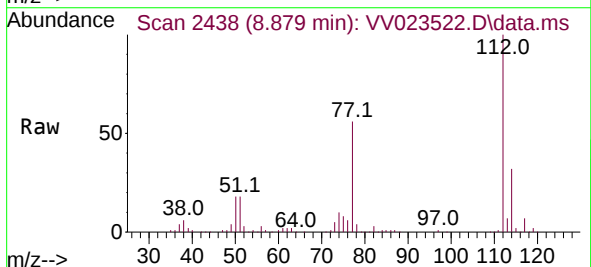
Tgt Ion:112 Resp: 116266

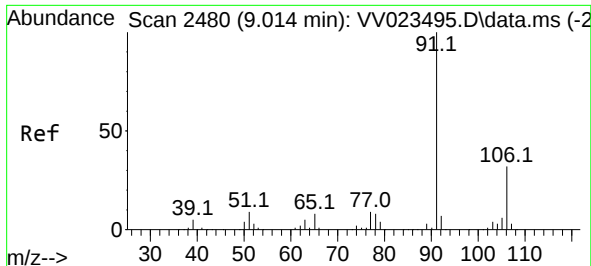
Ion Ratio Lower Upper

112 100

114 32.2 22.0 40.8

77 55.8 44.4 66.6

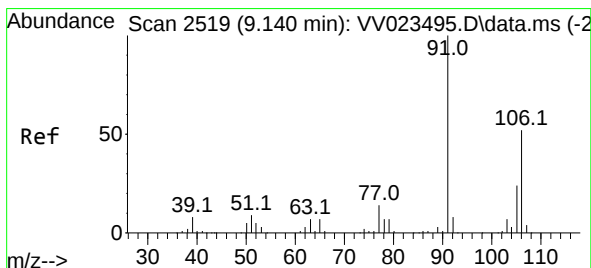
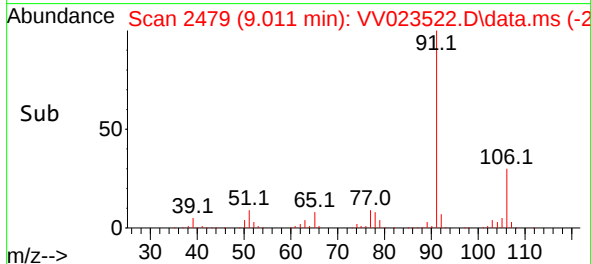
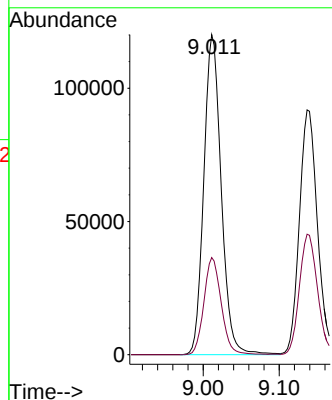
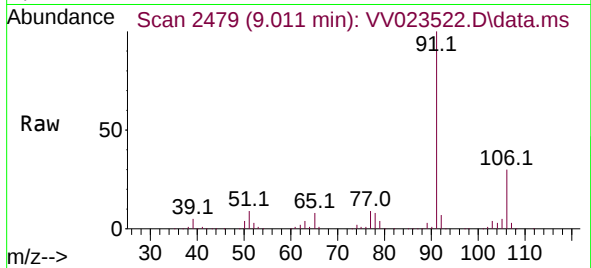




#52
Ethylbenzene
Concen: 4.911 ug/L
RT: 9.011 min Scan# 2480
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

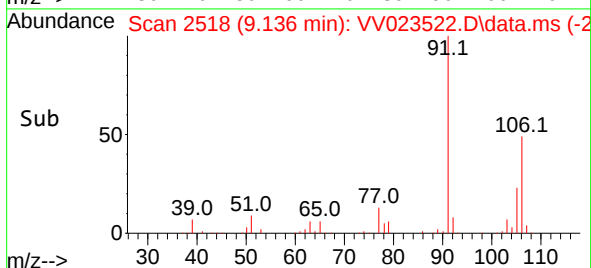
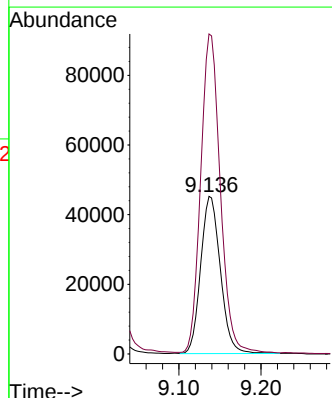
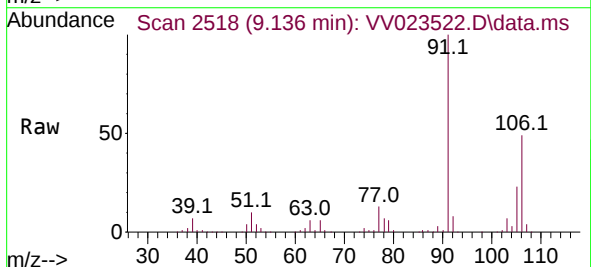
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

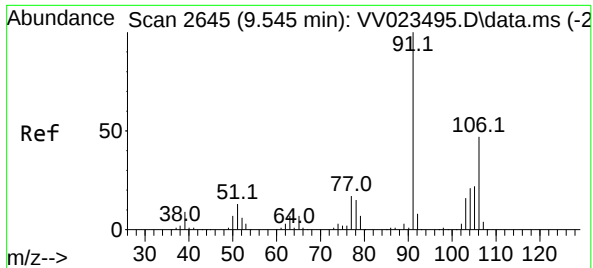
Tgt Ion: 91 Resp: 191141
Ion Ratio Lower Upper
91 100
106 30.4 22.5 41.9



#53
m,p-xylene
Concen: 4.923 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 106 Resp: 75190
Ion Ratio Lower Upper
106 100
91 203.1 137.2 254.8

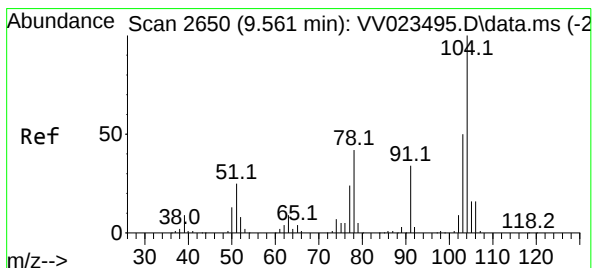
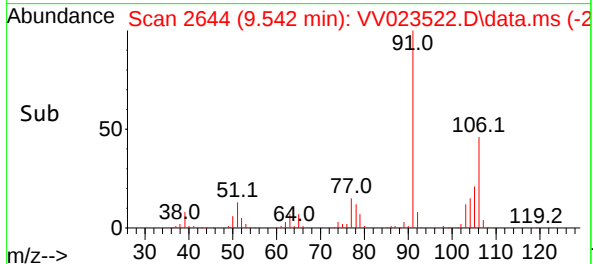
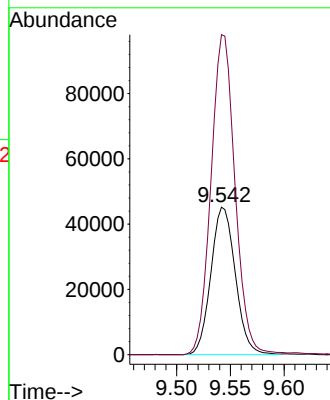
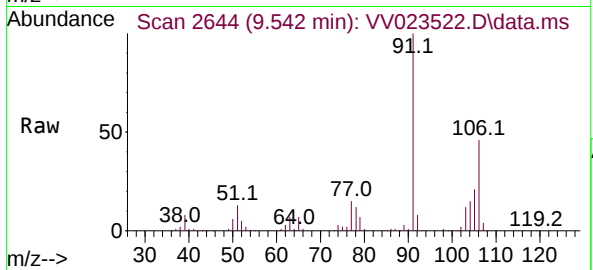




#54
o-xylene
Concen: 4.997 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.003 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

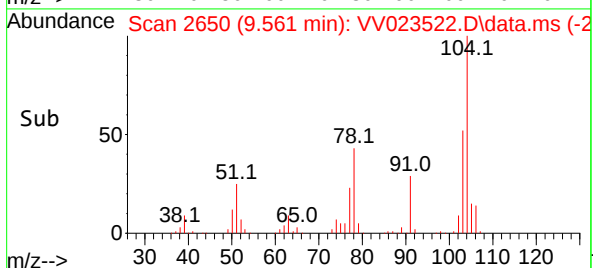
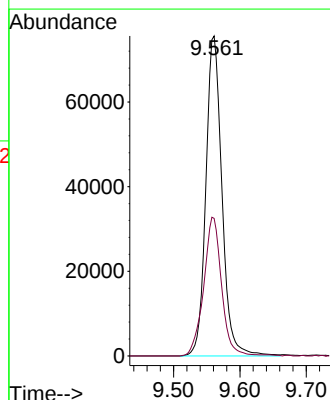
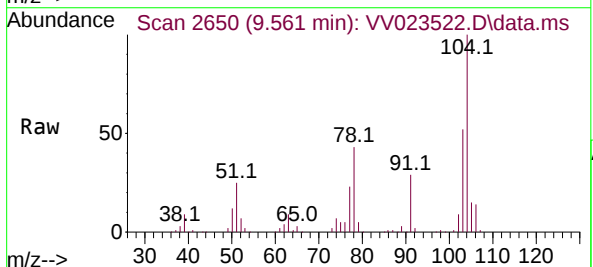
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

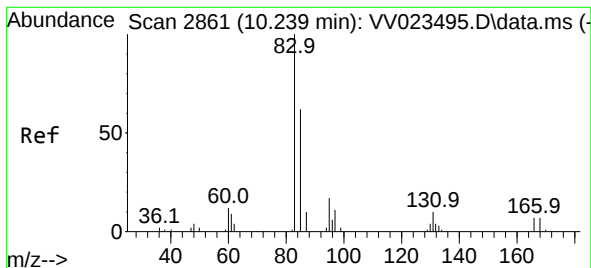
Tgt Ion:106 Resp: 71597
Ion Ratio Lower Upper
106 100
91 216.8 148.3 275.5



#55
Styrene
Concen: 5.213 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion:104 Resp: 127965
Ion Ratio Lower Upper
104 100
78 43.0 29.3 54.3



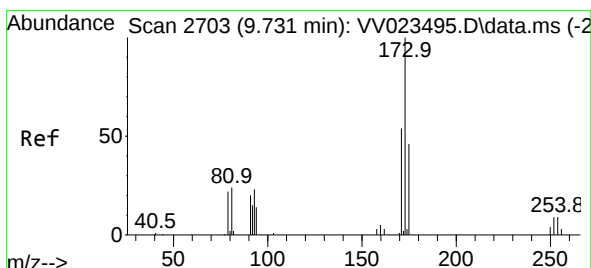
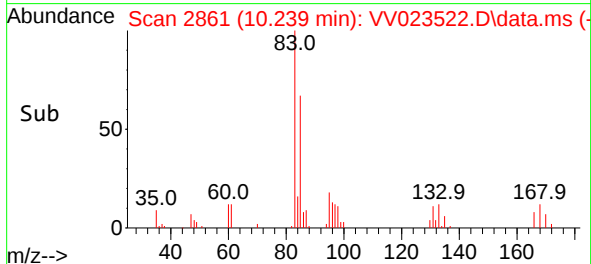
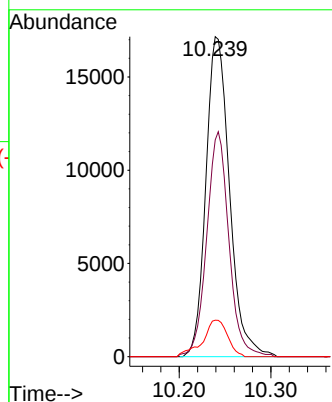
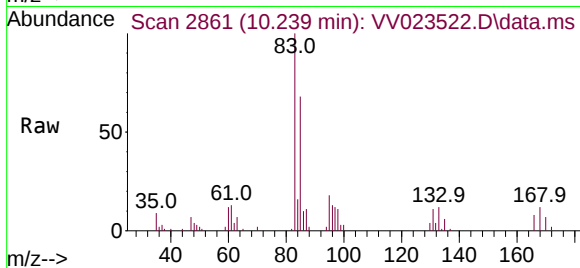


#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.849 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. -0.000 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

Instrument : MSVOA_V
 ClientSampleId : VSTD005357

Tgt Ion: 83 Resp: 30743

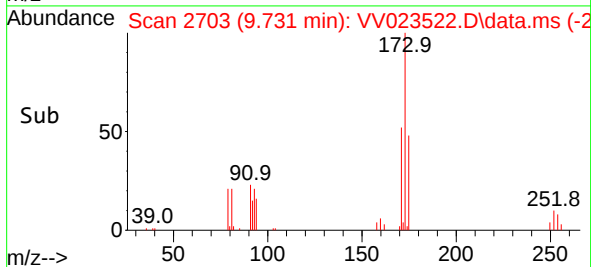
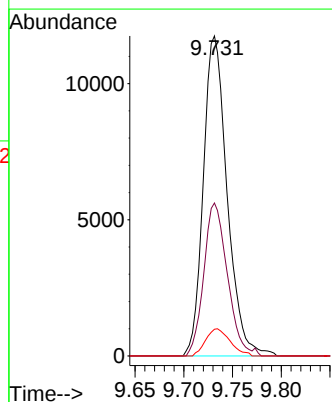
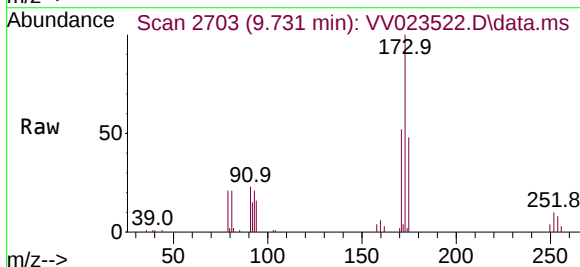
Ion	Ratio	Lower	Upper
83	100		
85	67.8	45.1	83.9
131	11.4	7.8	11.6

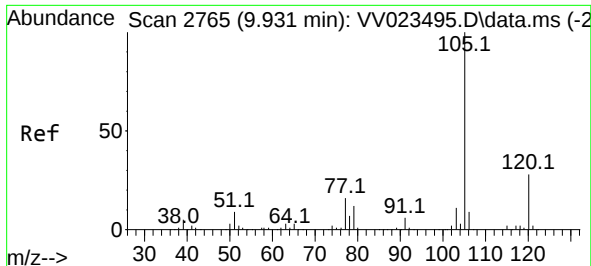


#59
 Bromoform
 Concen: 4.933 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. -0.000 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

Tgt Ion: 173 Resp: 19970

Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.2	57.2
254	8.7	6.2	9.2

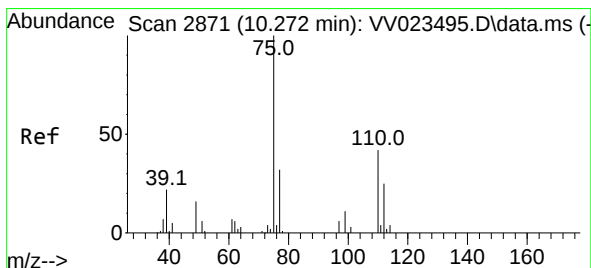
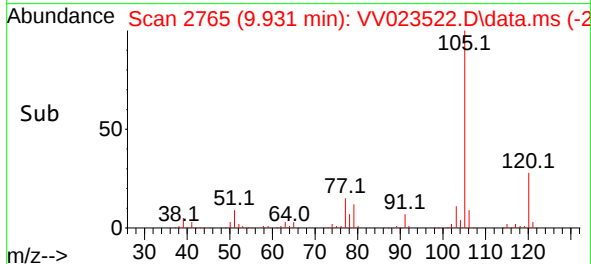
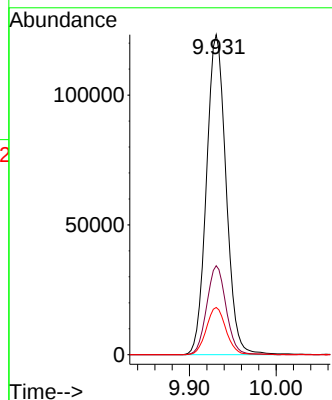
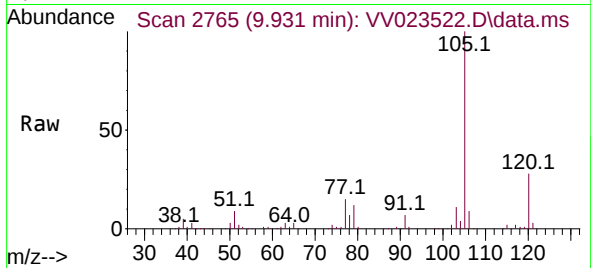




#60
Isopropylbenzene
Concen: 4.973 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

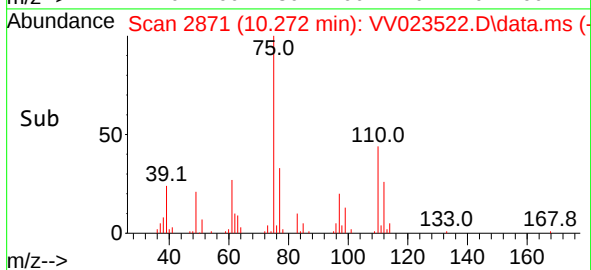
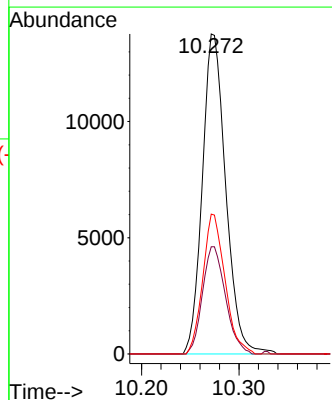
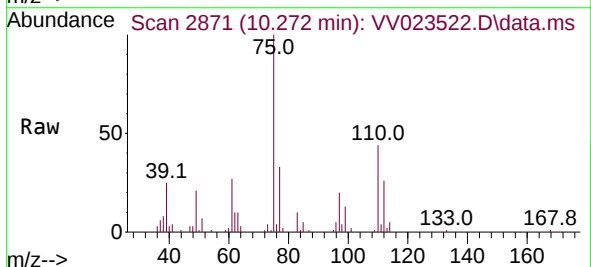
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

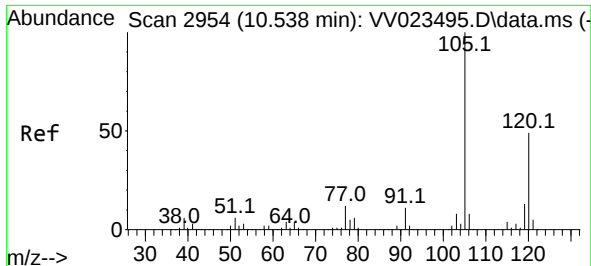
Tgt Ion:105 Resp: 193421
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5
77 14.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.111 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 75 Resp: 23014
Ion Ratio Lower Upper
75 100
77 32.8 26.6 39.8
110 41.3 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.933 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

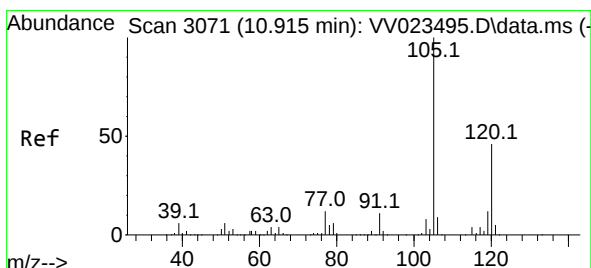
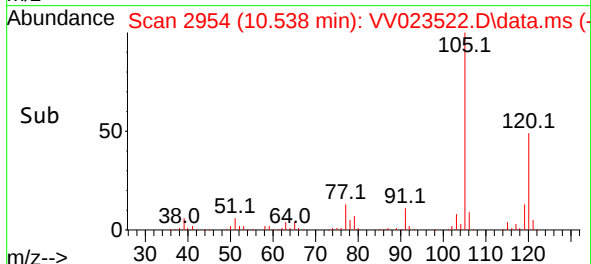
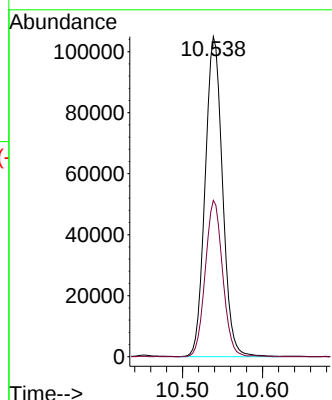
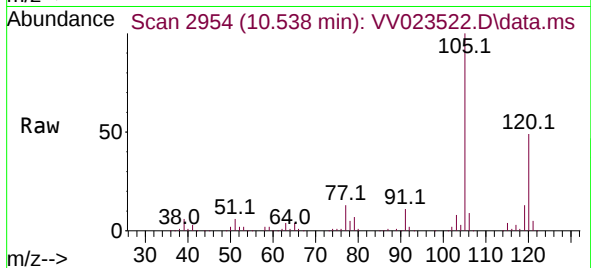
VSTD005357

Tgt Ion:105 Resp: 159109

Ion Ratio Lower Upper

105 100

120 48.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.033 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV023522.D

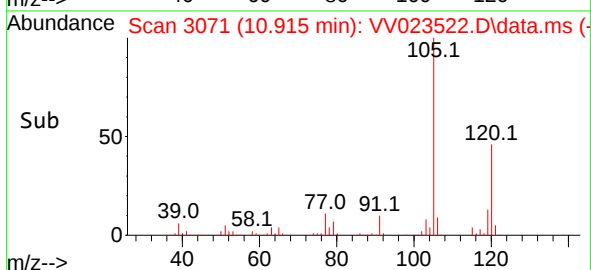
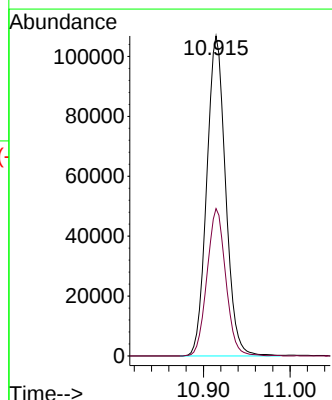
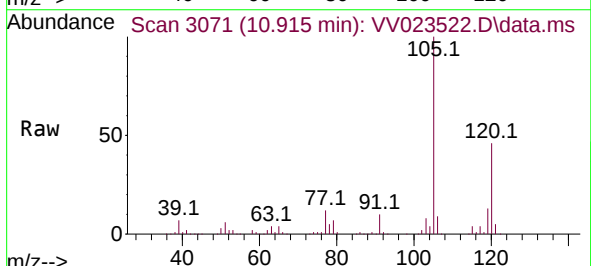
Acq: 16 Nov 2021 10:01

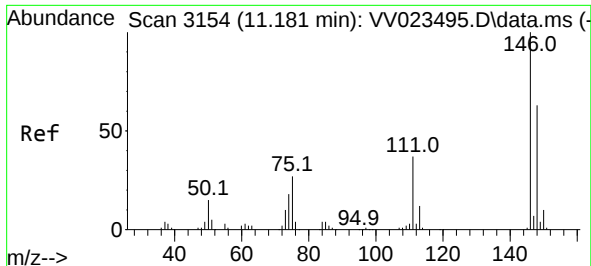
Tgt Ion:105 Resp: 161570

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.2

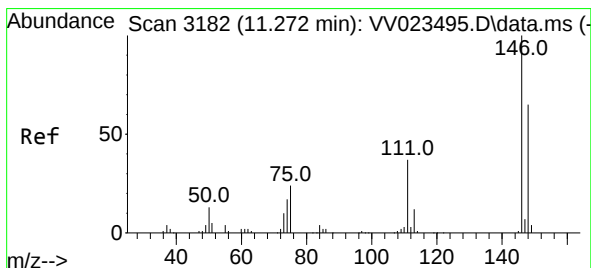
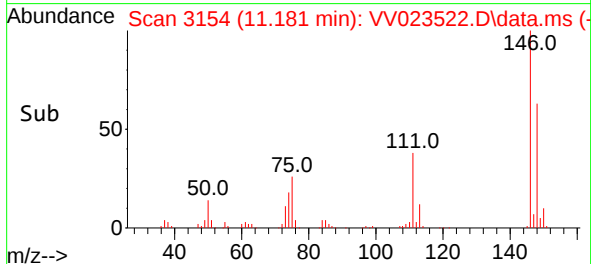
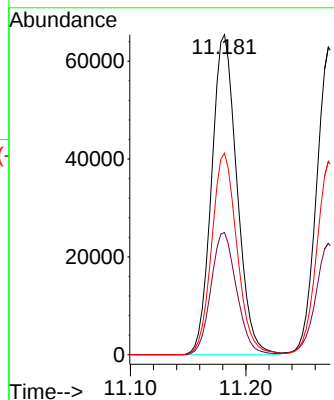
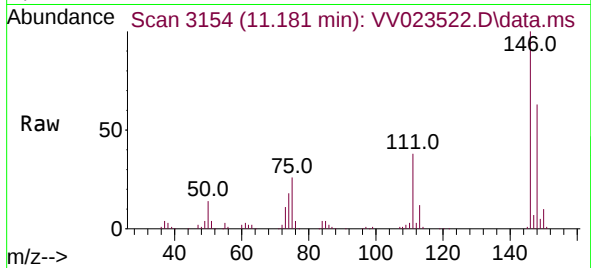




#64
1,3-Dichlorobenzene
Concen: 5.022 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

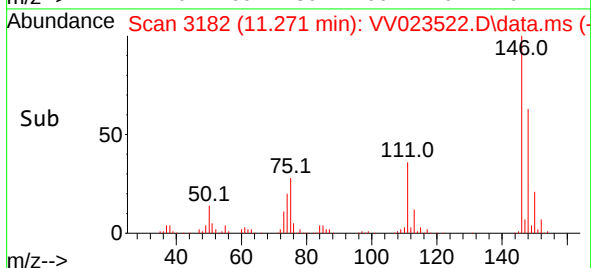
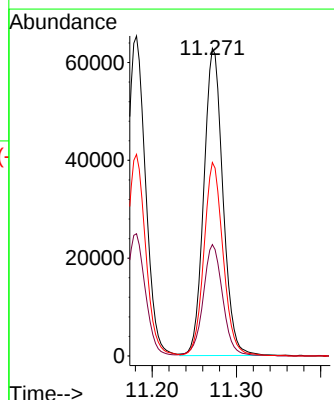
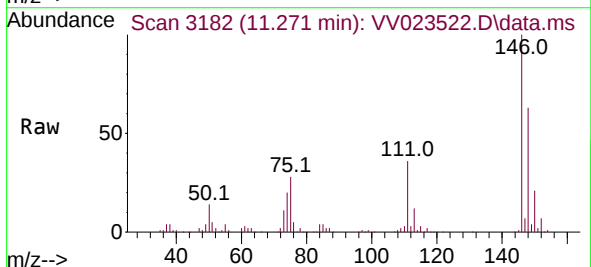
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

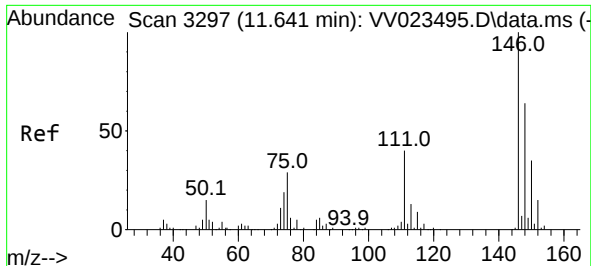
Tgt Ion:146 Resp: 99812
Ion Ratio Lower Upper
146 100
111 38.2 26.7 49.7
148 63.0 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 4.889 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion:146 Resp: 99231
Ion Ratio Lower Upper
146 100
111 36.2 26.2 48.8
148 62.9 44.4 82.5

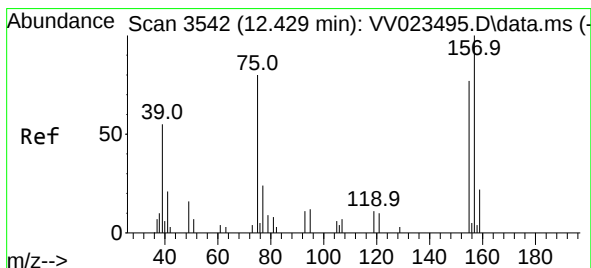
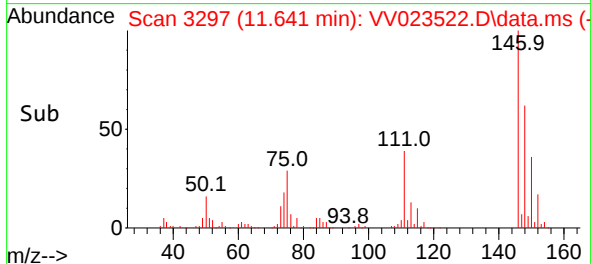
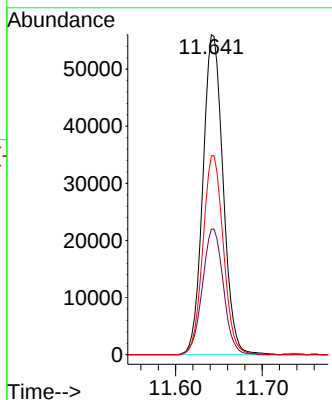
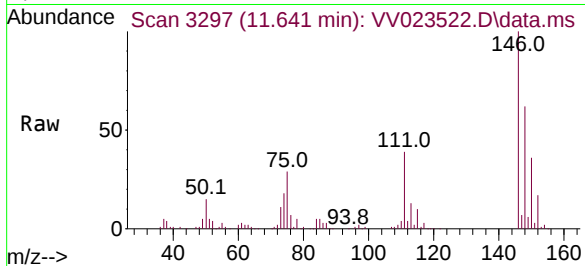




#67
1,2-Dichlorobenzene
Concen: 5.102 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

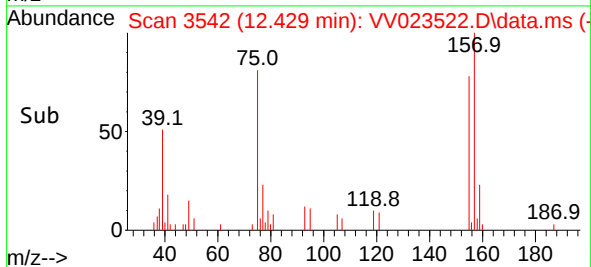
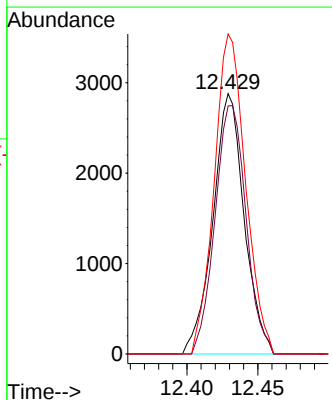
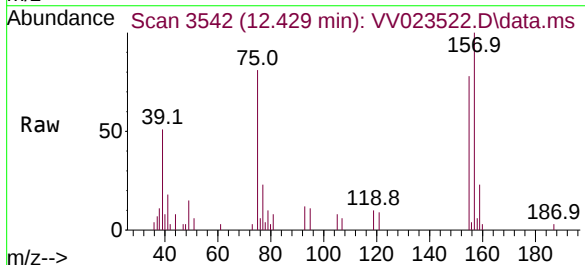
Instrument :
MSVOA_V
ClientSampleId :
VSTD005357

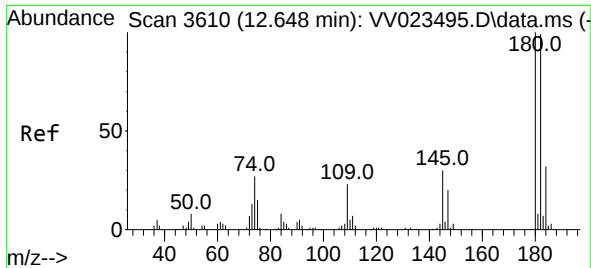
Tgt Ion:146 Resp: 90725
Ion Ratio Lower Upper
146 100
111 39.2 31.6 47.4
148 62.2 51.0 76.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.611 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VV023522.D
Acq: 16 Nov 2021 10:01

Tgt Ion: 75 Resp: 4423
Ion Ratio Lower Upper
75 100
155 95.3 67.7 101.5
157 123.0 87.9 131.9

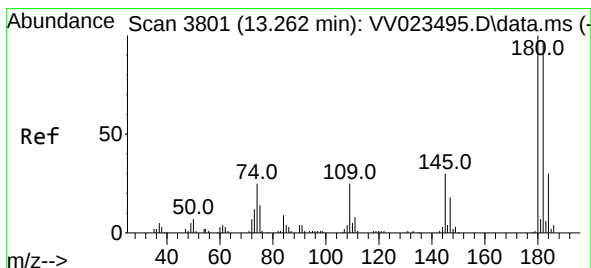
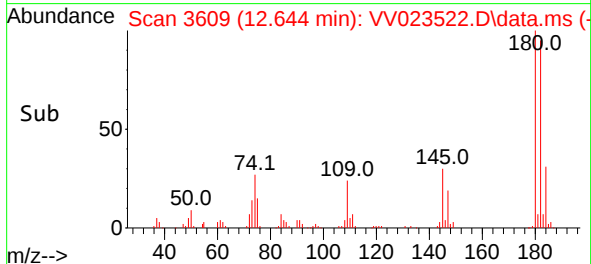
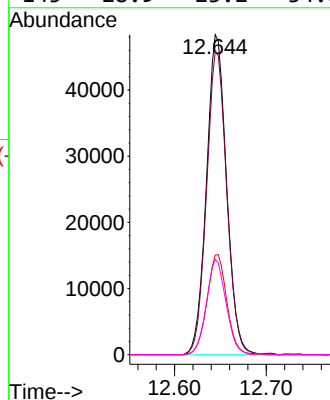
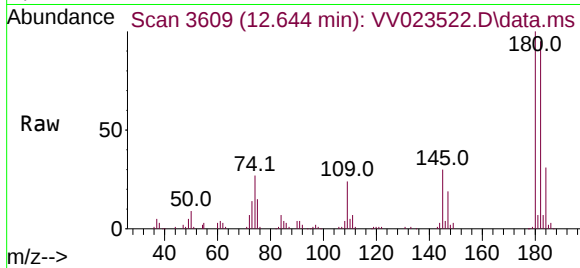




#69
 1,3,5-Trichlorobenzene
 Concen: 4.728 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

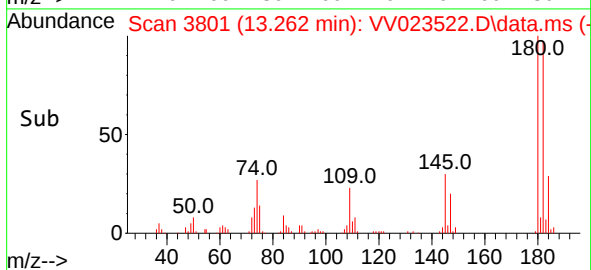
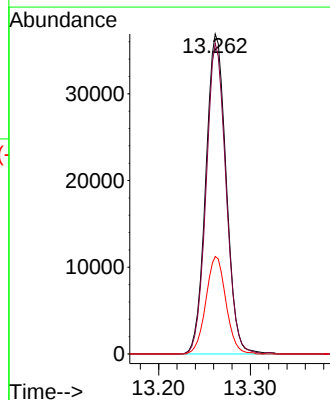
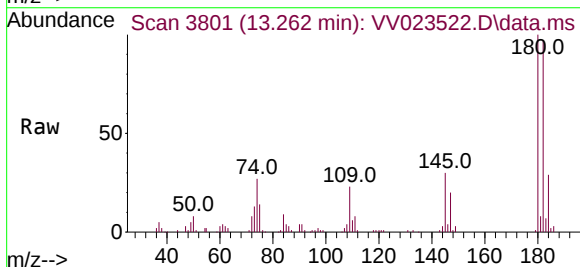
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005357

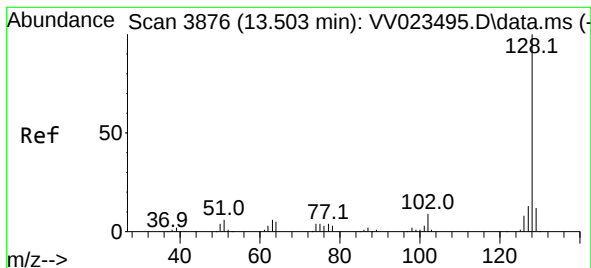
Tgt Ion:180	Resp:	73570
Ion	Ratio	Lower Upper
180	100	
182	95.2	74.9 112.3
184	31.0	23.8 35.8
145	28.9	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.570 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV023522.D
 Acq: 16 Nov 2021 10:01

Tgt Ion:180	Resp:	56940
Ion	Ratio	Lower Upper
180	100	
182	94.6	76.9 115.3
145	30.0	24.4 36.6





#71

Naphthalene

Concen: 4.165 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005357

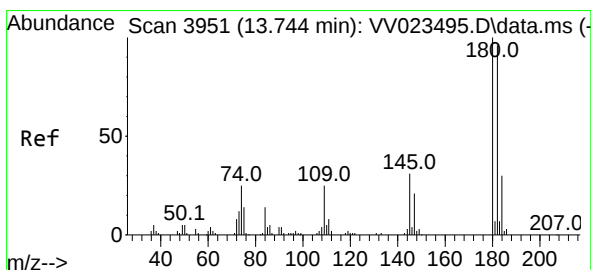
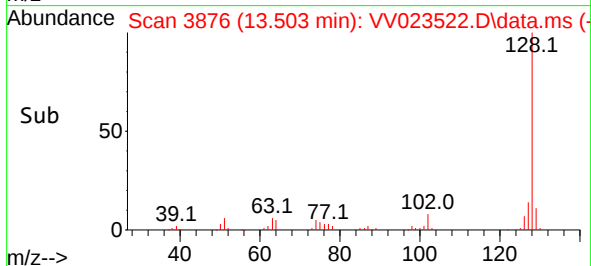
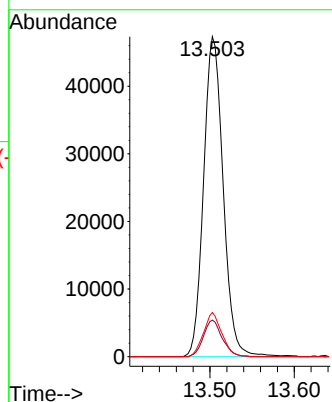
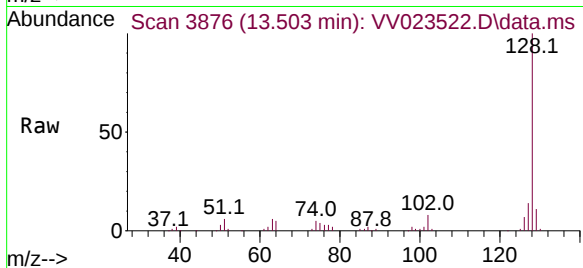
Tgt Ion:128 Resp: 76534

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 12.9 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 4.688 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VV023522.D

Acq: 16 Nov 2021 10:01

Tgt Ion:180 Resp: 51111

Ion Ratio Lower Upper

180 100

182 93.4 76.7 115.1

145 31.1 25.7 38.5

