

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111721\
 Data File : VW023565.D
 Acq On : 17 Nov 2021 12:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

Quant Time: Nov 18 00:13:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 02:49:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	114330	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	112507	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62721	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	46570	6.502	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.000%
7) Chloroethane-d5	1.564	69	34996	5.995	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.000%
11) 1,1-Dichloroethene-d2	2.108	63	79912	5.960	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	119.200%
20) 2-Butanone-d5	3.908	46	44619	36.160	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.320%
24) Chloroform-d	4.346	84	79198	5.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.030	65	36702	5.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.000%
32) Benzene-d6	5.047	84	157499	5.456	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
36) 1,2-Dichloropropane-d6	6.069	67	42372	4.986	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.313	98	154358	5.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.200%
43) trans-1,3-Dichloroprop...	7.622	79	17601	5.462	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.200%
46) 2-Hexanone-d5	8.091	63	60986	51.442	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31005	5.074	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	54423	5.211	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	49184	4.412	ug/L	98
3) Chloromethane	1.240	50	40144	4.235	ug/L	95
5) Vinyl chloride	1.307	62	43619	4.608	ug/L	100
6) Bromomethane	1.519	94	27402	4.528	ug/L	96
8) Chloroethane	1.584	64	26360	4.825	ug/L	99
9) Trichlorofluoromethane	1.751	101	71912	5.056	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	36282	5.067	ug/L	97
12) 1,1-Dichloroethene	2.114	96	33247	4.876	ug/L	87
13) Acetone	2.191	43	20831	27.628	ug/L	79
14) Carbon disulfide	2.291	76	108654	4.223	ug/L	99
15) Methyl Acetate	2.439	43	7983	3.741	ug/L	96
16) Methylene chloride	2.503	84	48834	4.908	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	75421	5.025	ug/L	95
18) trans-1,2-Dichloroethene	2.757	96	38579	4.603	ug/L	97
19) 1,1-Dichloroethane	3.188	63	68859	4.866	ug/L	97
21) 2-Butanone	3.989	43	46565	38.199	ug/L	90
22) cis-1,2-Dichloroethene	3.908	96	40804	5.059	ug/L	# 86
23) Bromochloromethane	4.246	128	17765	4.776	ug/L	84
25) Chloroform	4.375	83	74699	4.952	ug/L	99

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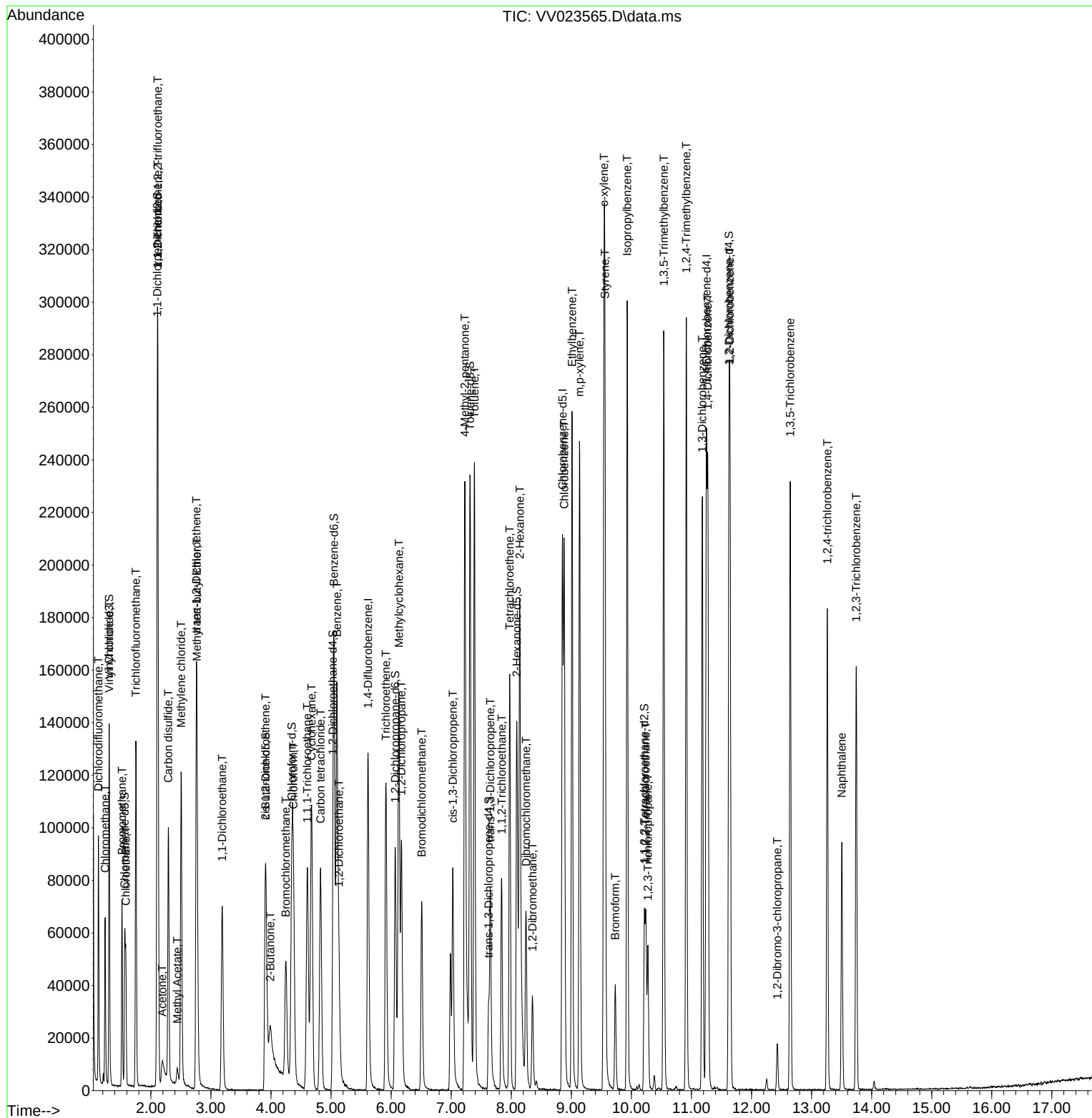
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	38925	4.852	ug/L	97
29) 1,1,1-Trichloroethane	4.606	97	68319	5.000	ug/L	99
30) Cyclohexane	4.674	56	56071	4.579	ug/L	97
31) Carbon tetrachloride	4.825	117	62603	5.101	ug/L	96
33) Benzene	5.098	78	153854	4.893	ug/L	100
34) Trichloroethene	5.911	95	40733	4.871	ug/L	98
35) Methylcyclohexane	6.130	83	62396	4.727	ug/L	95
37) 1,2-Dichloropropane	6.172	63	34772	4.737	ug/L	98
38) Bromodichloromethane	6.510	83	49266	5.008	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	53067	5.026	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	187092	54.950	ug/L	96
42) Toluene	7.387	91	173822	5.168	ug/L	96
44) trans-1,3-Dichloropropene	7.651	75	45054	5.142	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	25923	4.915	ug/L	95
47) Tetrachloroethene	7.976	164	36358	5.017	ug/L	98
48) 2-Hexanone	8.143	43	137908	57.804	ug/L	98
49) Dibromochloromethane	8.246	129	34949	5.229	ug/L	98
50) 1,2-Dibromoethane	8.352	107	24447	5.001	ug/L	98
51) Chlorobenzene	8.882	112	111557	4.990	ug/L	98
52) Ethylbenzene	9.011	91	178440	5.030	ug/L	99
53) m,p-xylene	9.136	106	69566	4.997	ug/L	94
54) o-xylene	9.545	106	67669	5.181	ug/L	98
55) Styrene	9.561	104	116786	5.220	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	29159	5.045	ug/L	100
59) Bromoform	9.731	173	18539	4.949	ug/L #	97
60) Isopropylbenzene	9.931	105	184548	5.127	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	20618	4.949	ug/L	95
62) 1,3,5-Trimethylbenzene	10.538	105	153332	5.138	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	152660	5.139	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	93076	5.061	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	91876	4.892	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	83212	5.057	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4273	4.814	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.644	180	73103	5.077	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	54947	4.765	ug/L	99
71) Naphthalene	13.503	128	75444	4.437	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	49033	4.860	ug/L	99

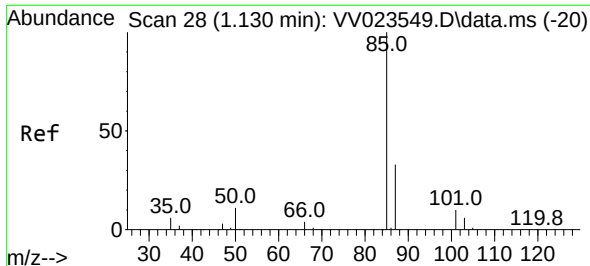
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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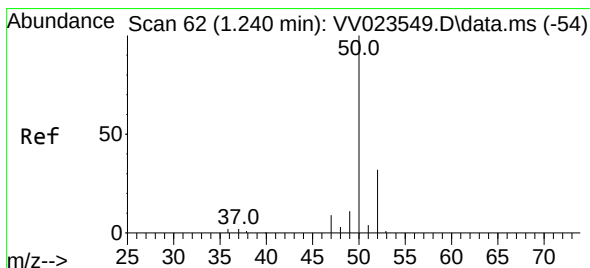
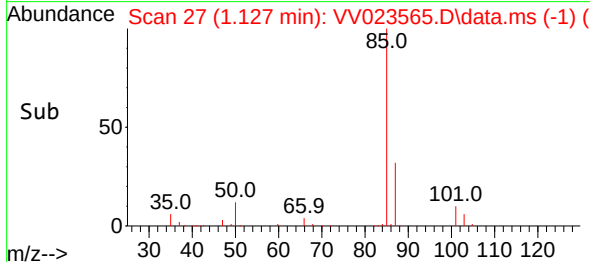
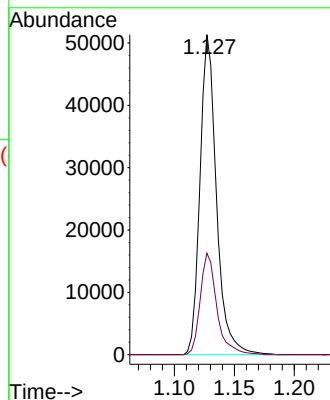
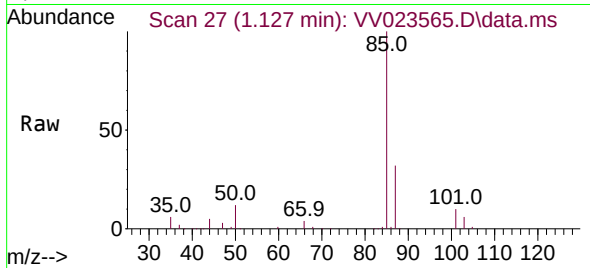




#2
 Dichlorodifluoromethane
 Concen: 4.412 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

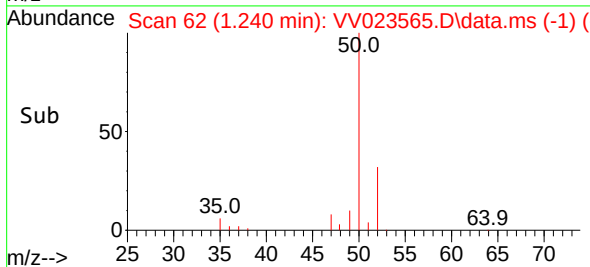
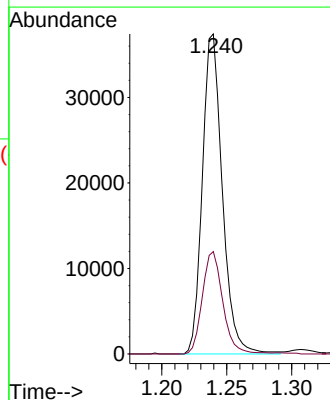
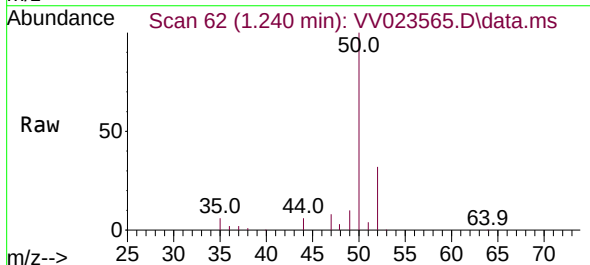
Instrument :
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 ClientSampleId :
 VSTD005360

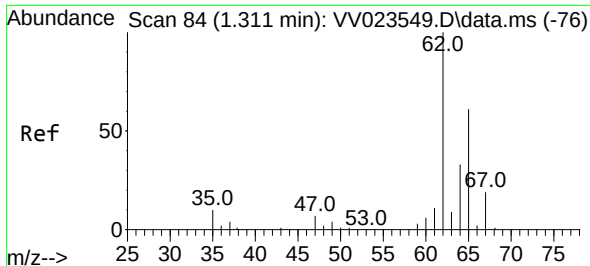
Tgt Ion: 85 Resp: 49184
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.6 39.8



#3
 Chloromethane
 Concen: 4.235 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

Tgt Ion: 50 Resp: 40144
 Ion Ratio Lower Upper
 50 100
 52 32.0 24.3 45.1

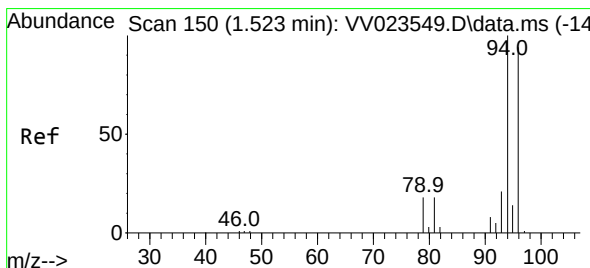
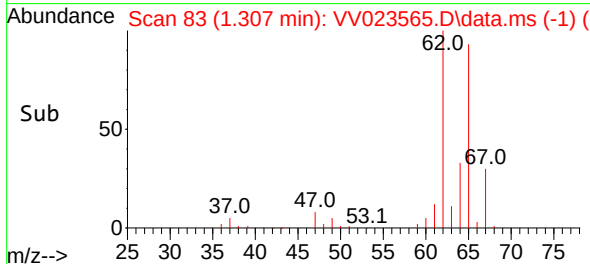
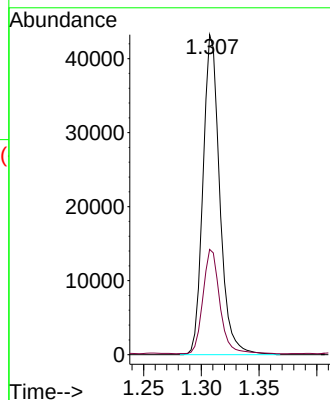
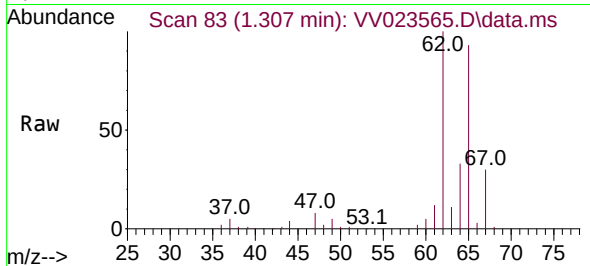




#5
 Vinyl chloride
 Concen: 4.608 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

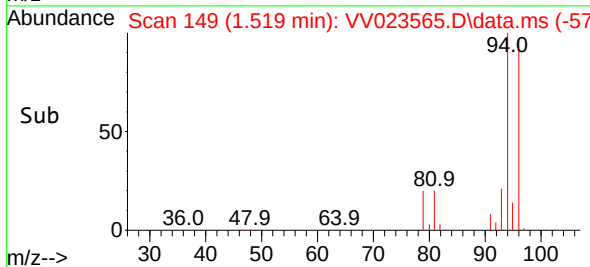
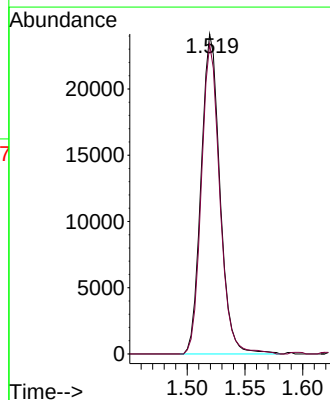
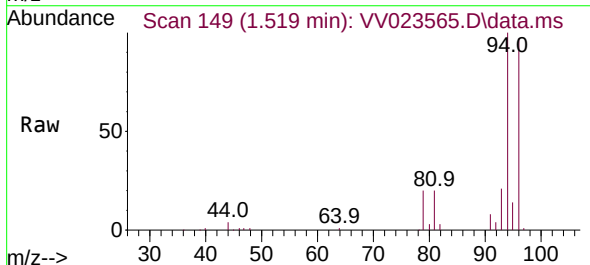
Instrument :
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 ClientSampleId :
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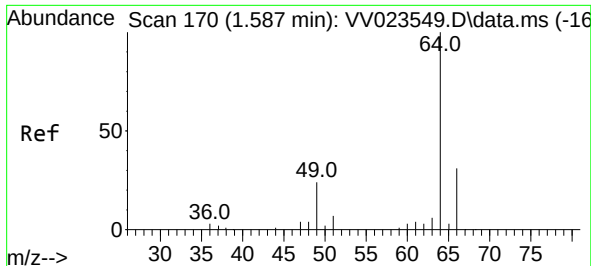
Tgt Ion: 62 Resp: 43619
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.1 42.9



#6
 Bromomethane
 Concen: 4.528 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

Tgt Ion: 94 Resp: 27402
 Ion Ratio Lower Upper
 94 100
 96 96.8 65.0 120.8

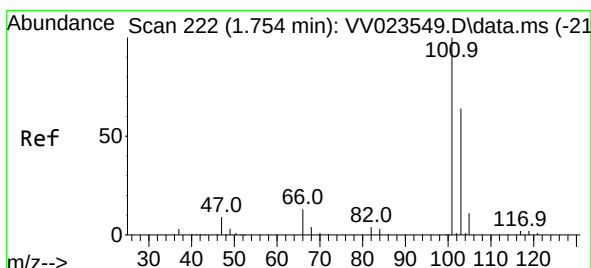
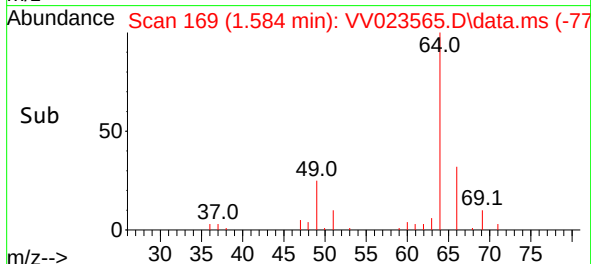
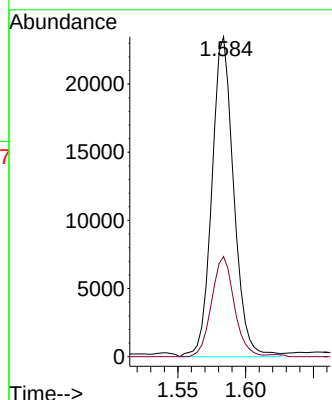
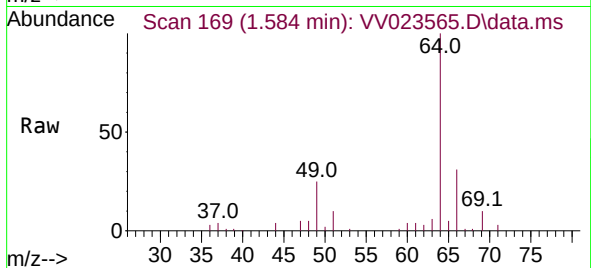




#8
Chloroethane
Concen: 4.825 ug/L
RT: 1.584 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

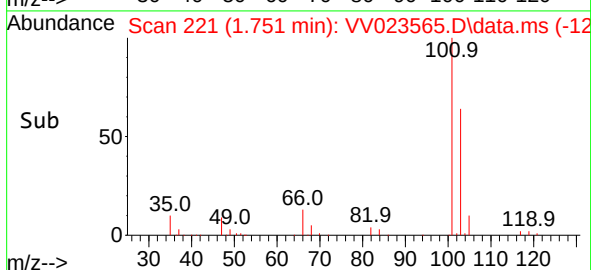
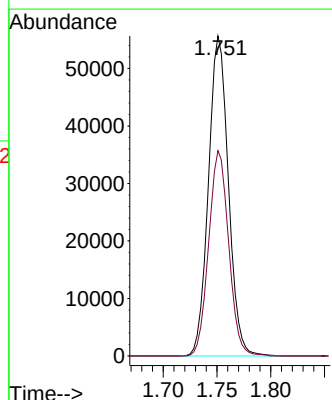
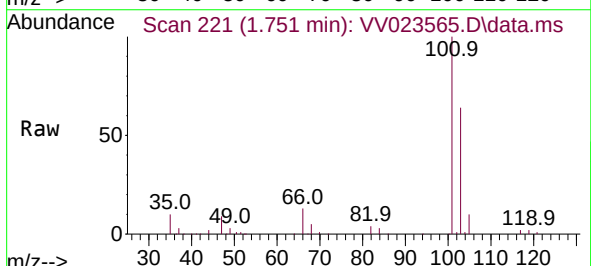
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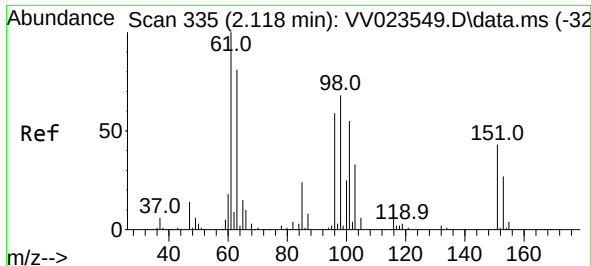
Tgt Ion: 64 Resp: 26360
Ion Ratio Lower Upper
64 100
66 31.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.056 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 101 Resp: 71912
Ion Ratio Lower Upper
101 100
103 64.3 52.6 79.0

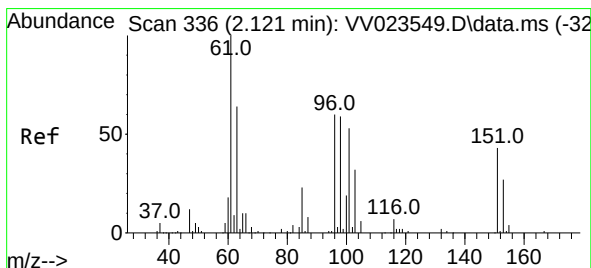
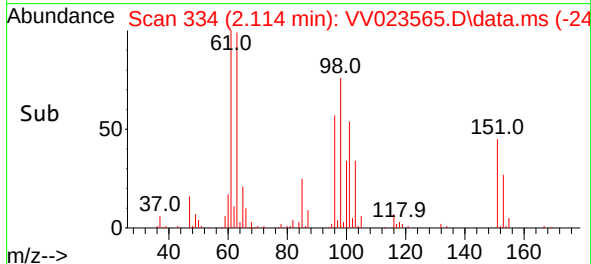
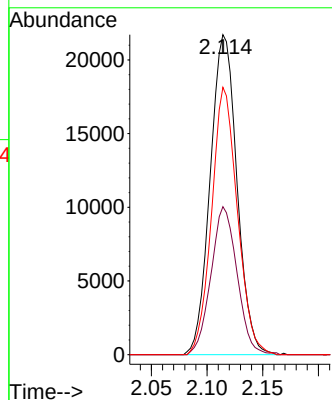
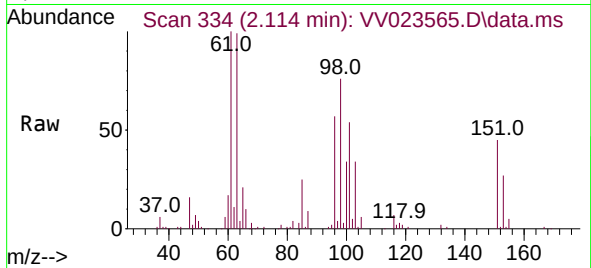




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.067 ug/L
RT: 2.114 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

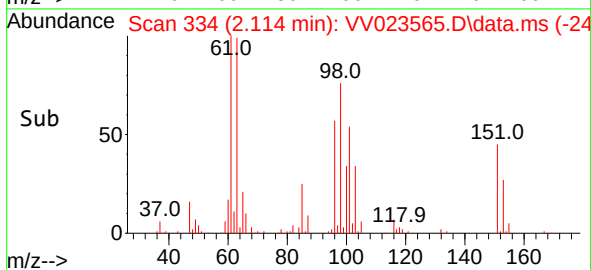
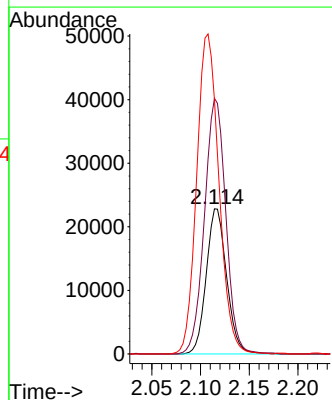
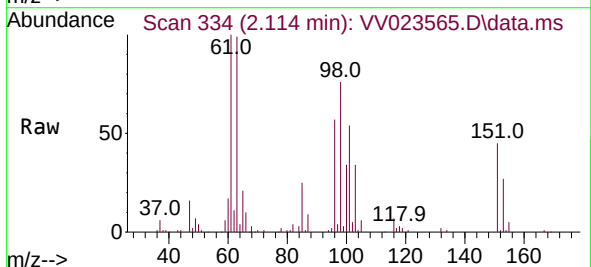
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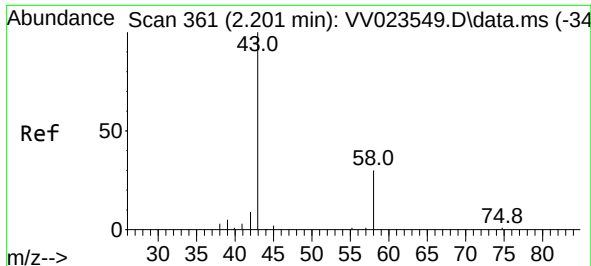
Tgt Ion:101 Resp: 36282
Ion Ratio Lower Upper
101 100
85 45.1 35.3 52.9
151 80.5 62.2 93.2



#12
1,1-Dichloroethene
Concen: 4.876 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.007 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 96 Resp: 33247
Ion Ratio Lower Upper
96 100
61 176.2 121.5 225.7
63 175.2 99.6 185.0





#13

Acetone

Concen: 27.628 ug/L

RT: 2.191 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

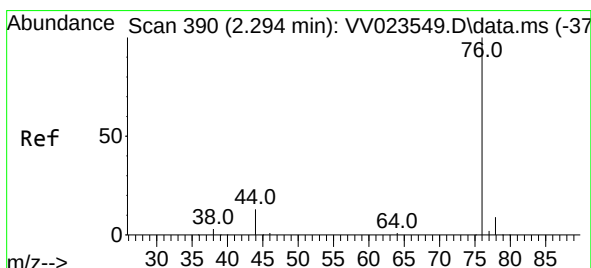
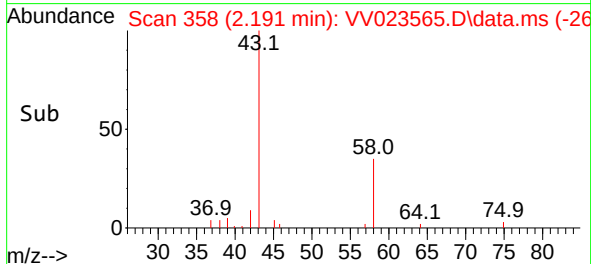
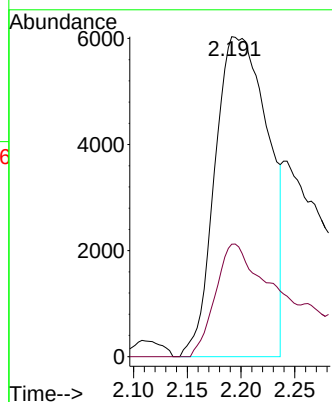
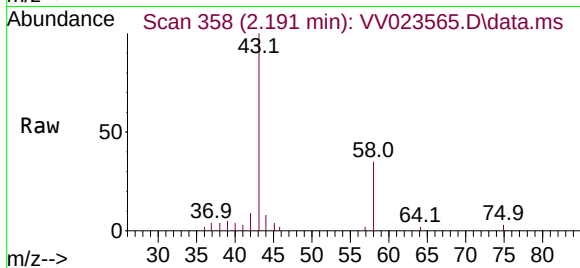
VSTD005360

Tgt Ion: 43 Resp: 20831

Ion Ratio Lower Upper

43 100

58 38.5 0.0 55.4



#14

Carbon disulfide

Concen: 4.223 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.003 min

Lab File: VV023565.D

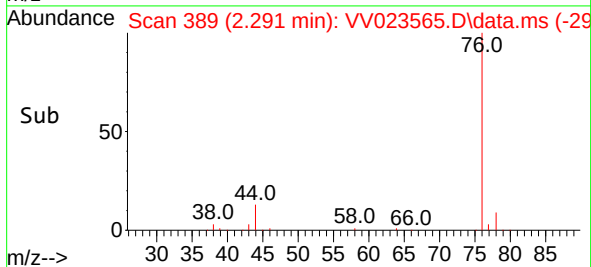
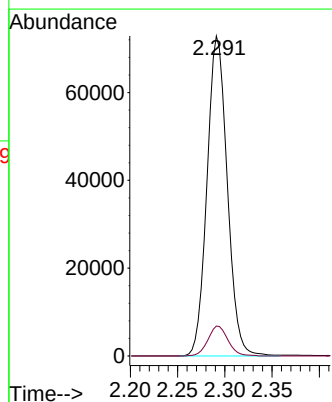
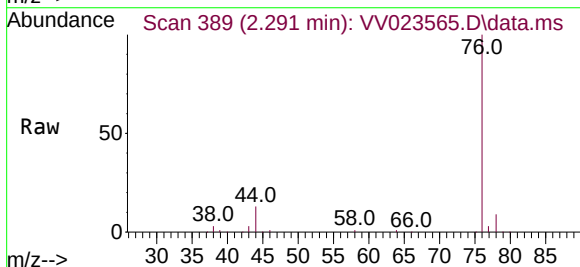
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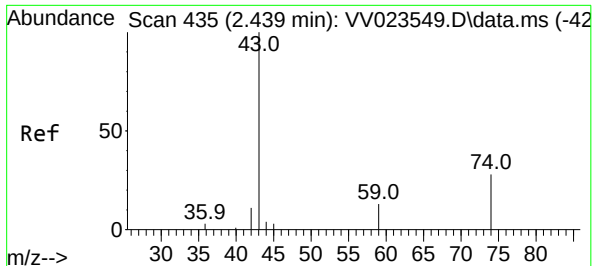
Tgt Ion: 76 Resp: 108654

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

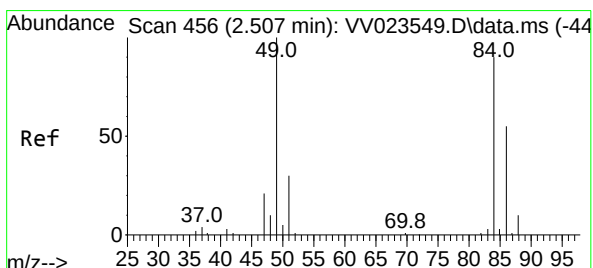
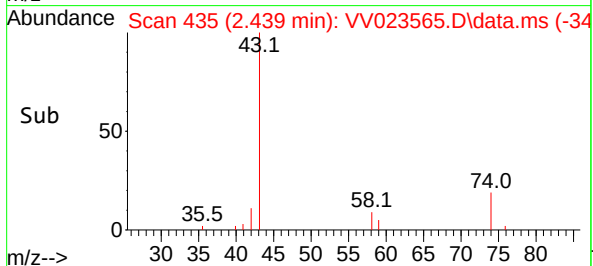
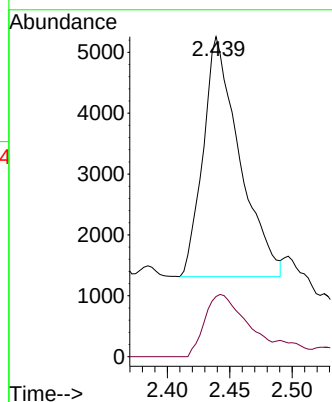
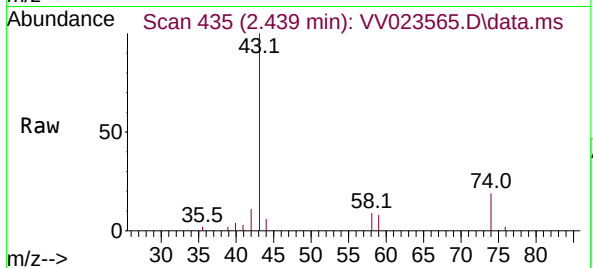




#15
Methyl Acetate
Concen: 3.741 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

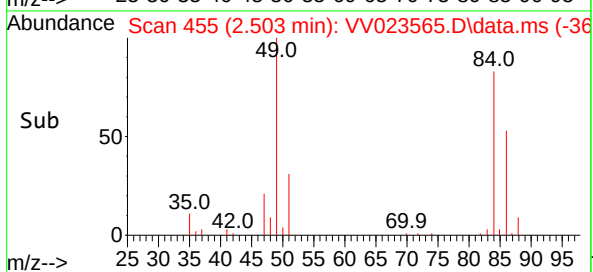
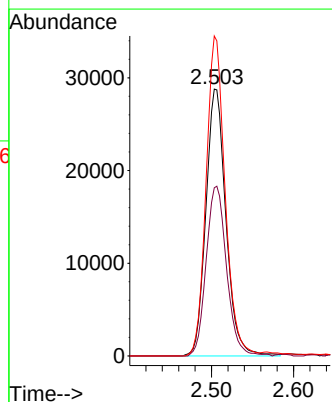
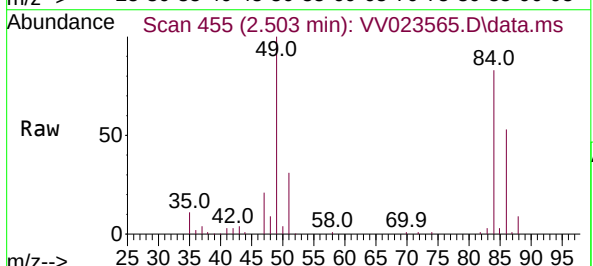
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

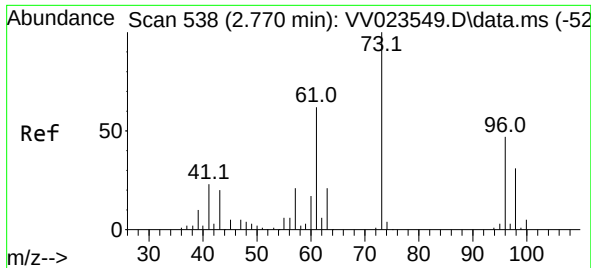
Tgt Ion: 43 Resp: 7983
Ion Ratio Lower Upper
43 100
74 30.0 22.2 33.2



#16
Methylene chloride
Concen: 4.908 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 84 Resp: 48834
Ion Ratio Lower Upper
84 100
86 63.0 42.3 78.5
49 119.9 79.7 148.1

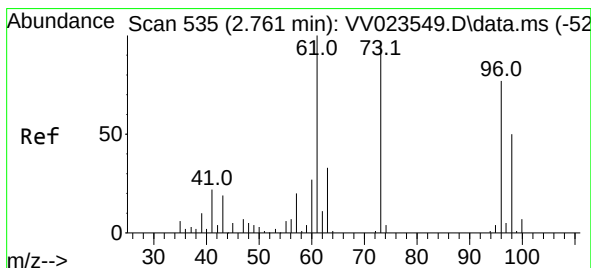
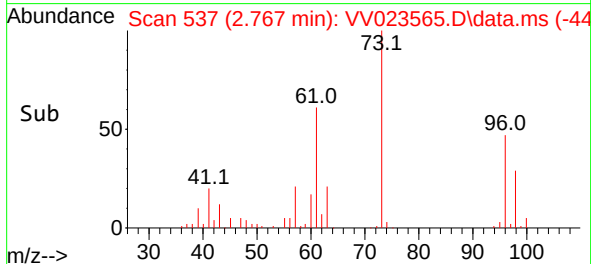
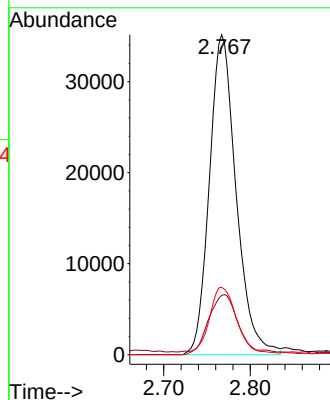
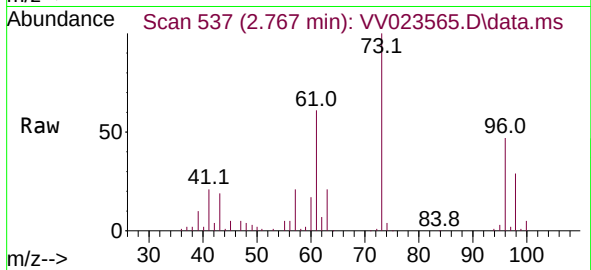




#17
Methyl tert-butyl Ether
Concen: 5.025 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

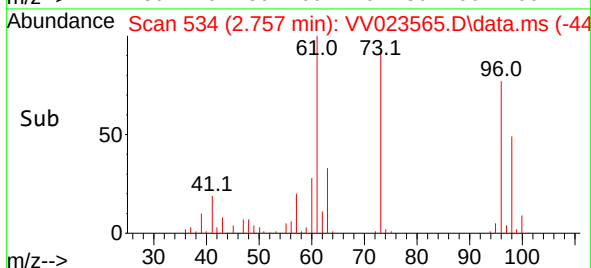
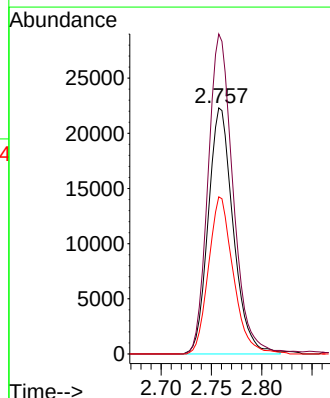
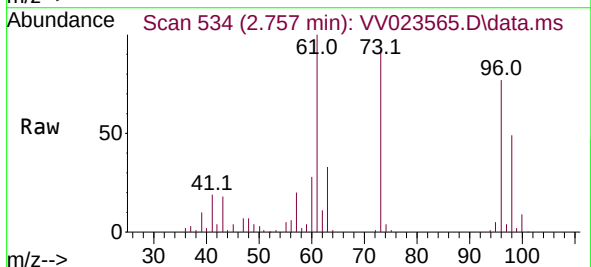
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

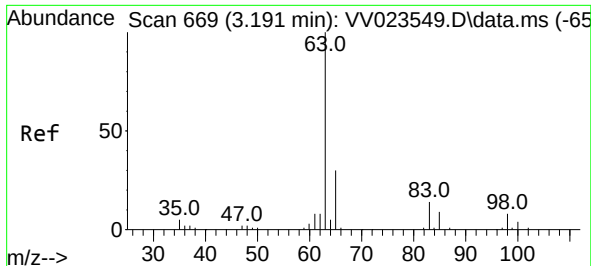
Tgt Ion: 73 Resp: 75421
Ion Ratio Lower Upper
73 100
43 18.5 17.4 26.0
57 21.8 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 4.603 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 96 Resp: 38579
Ion Ratio Lower Upper
96 100
61 130.0 93.2 173.2
98 63.8 47.0 87.2





#19

1,1-Dichloroethane

Concen: 4.866 ug/L

RT: 3.188 min Scan# 668

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

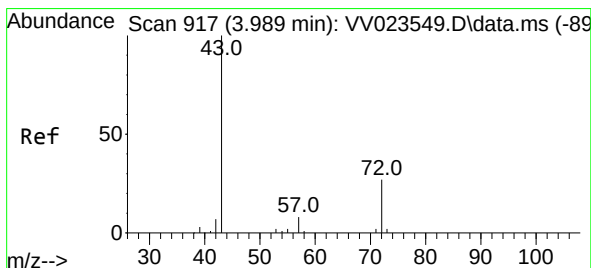
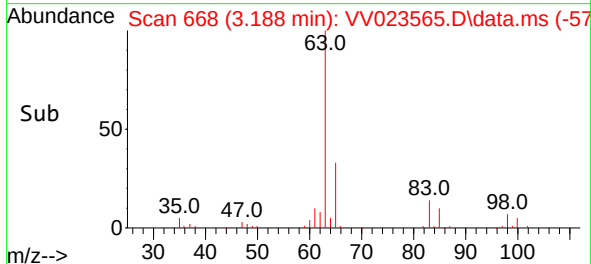
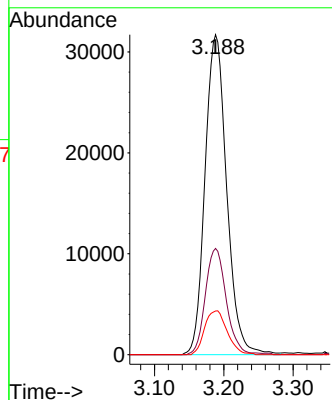
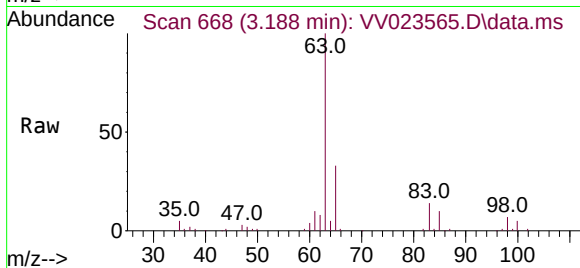
Tgt Ion: 63 Resp: 68859

Ion Ratio Lower Upper

63 100

65 33.2 22.6 42.0

83 13.6 11.1 20.7



#21

2-Butanone

Concen: 38.199 ug/L

RT: 3.989 min Scan# 917

Delta R.T. -0.000 min

Lab File: VV023565.D

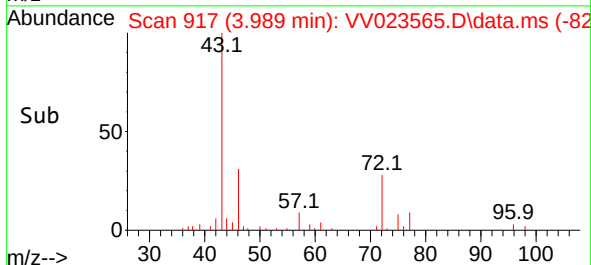
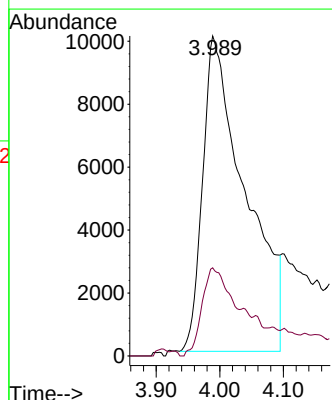
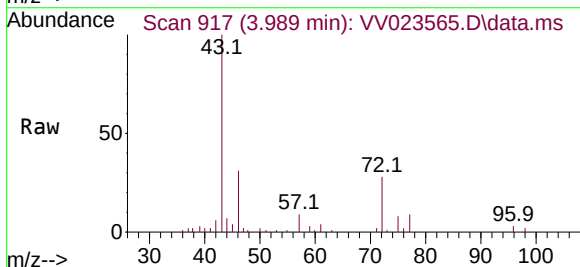
Acq: 17 Nov 2021 12:49

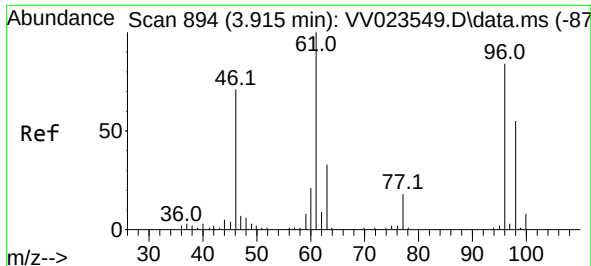
Tgt Ion: 43 Resp: 46565

Ion Ratio Lower Upper

43 100

72 18.9 11.9 35.9





#22

cis-1,2-Dichloroethene

Concen: 5.059 ug/L

RT: 3.908 min Scan# 894

Delta R.T. -0.007 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

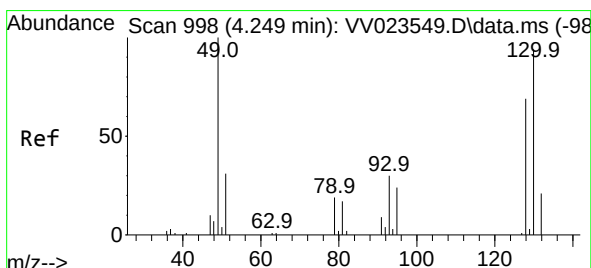
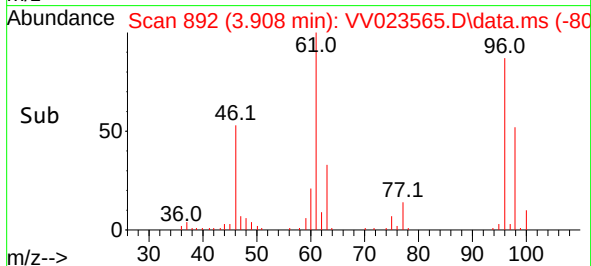
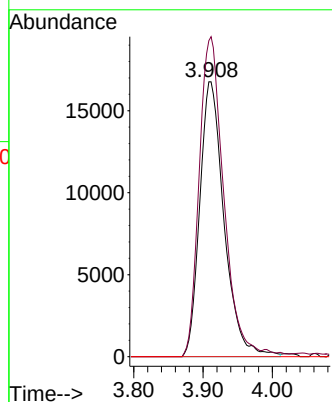
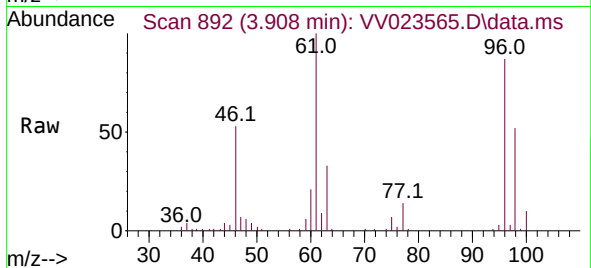
Tgt Ion: 96 Resp: 40804

Ion Ratio Lower Upper

96 100

61 114.9 92.3 171.3

68 0.0 0.4 0.8#



#23

Bromochloromethane

Concen: 4.776 ug/L

RT: 4.246 min Scan# 997

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Tgt Ion: 128 Resp: 17765

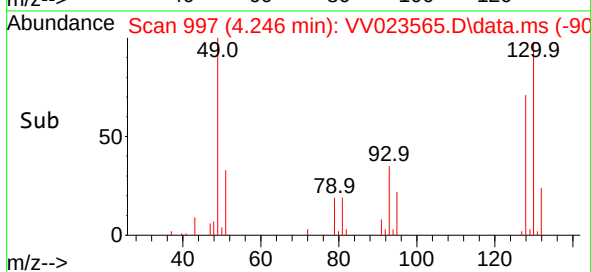
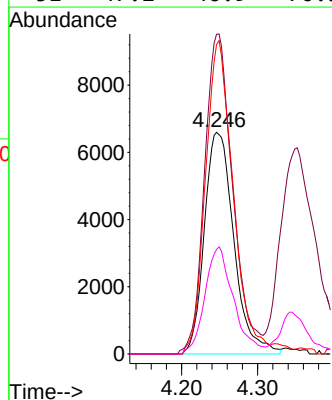
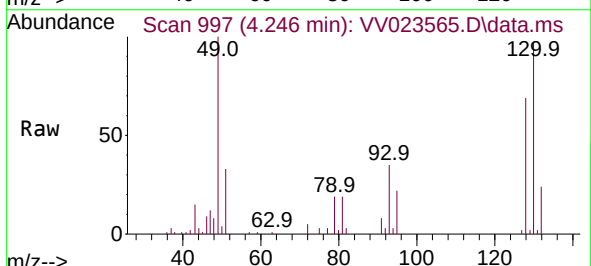
Ion Ratio Lower Upper

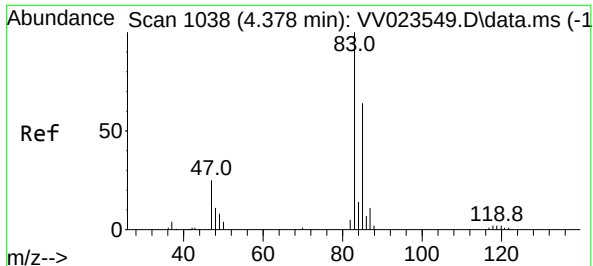
128 100

49 144.3 126.1 234.3

130 139.5 95.2 176.8

51 47.2 46.9 70.3





#25

Chloroform

Concen: 4.952 ug/L

RT: 4.375 min Scan# 1038

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

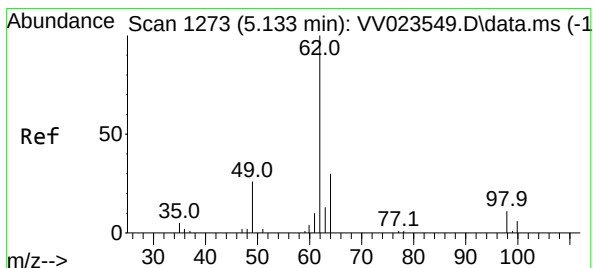
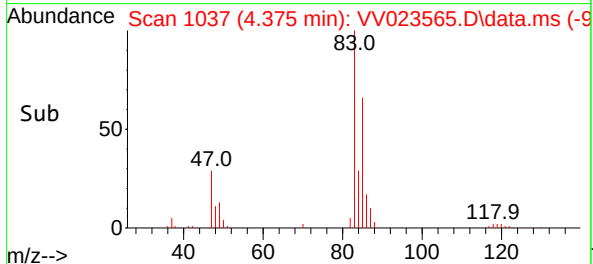
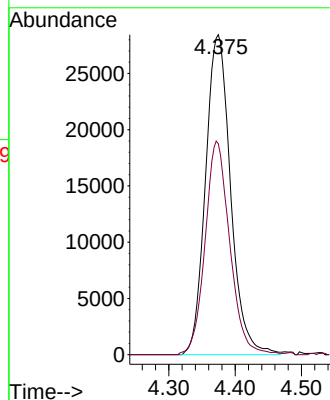
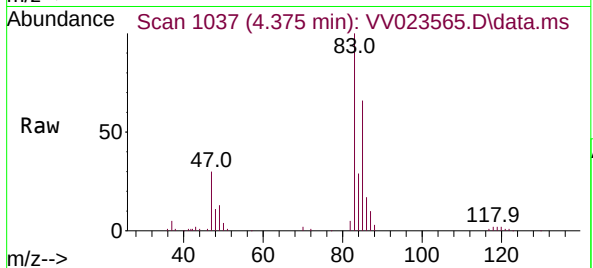
VSTD005360

Tgt Ion: 83 Resp: 74699

Ion Ratio Lower Upper

83 100

85 66.0 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.852 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VV023565.D

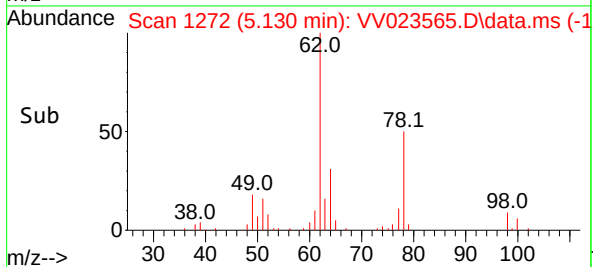
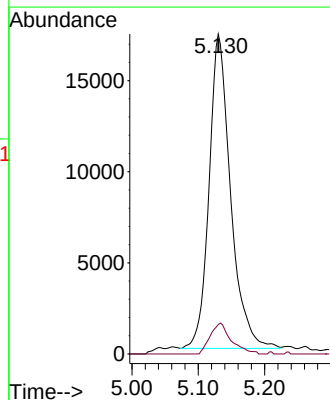
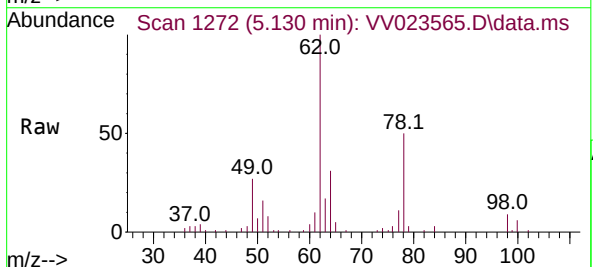
Acq: 17 Nov 2021 12:49

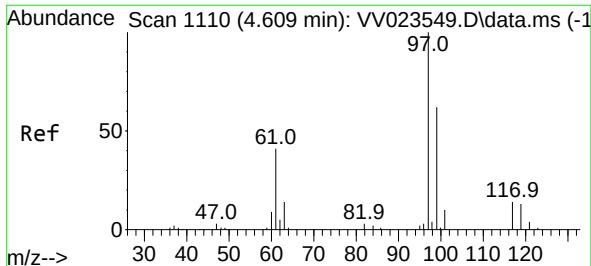
Tgt Ion: 62 Resp: 38925

Ion Ratio Lower Upper

62 100

98 9.2 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.000 ug/L

RT: 4.606 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

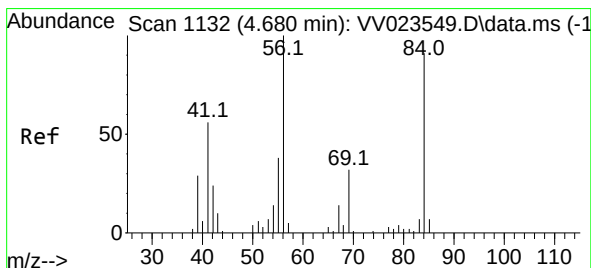
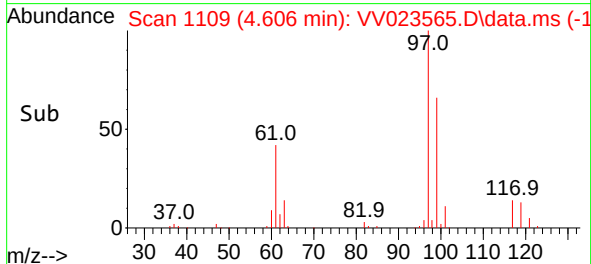
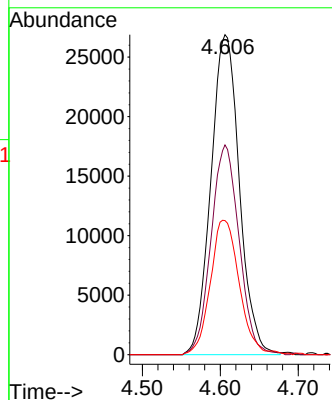
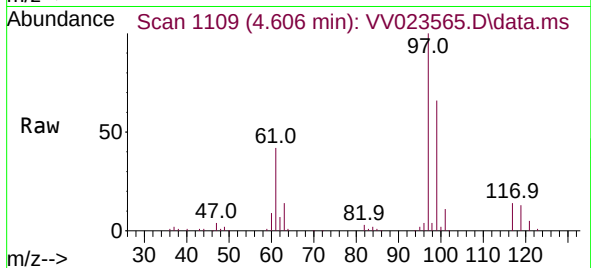
Tgt Ion: 97 Resp: 68319

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 42.7 34.1 51.1



#30

Cyclohexane

Concen: 4.579 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

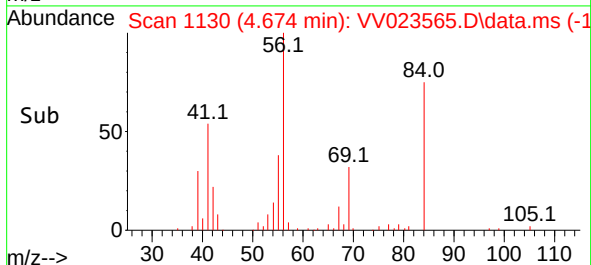
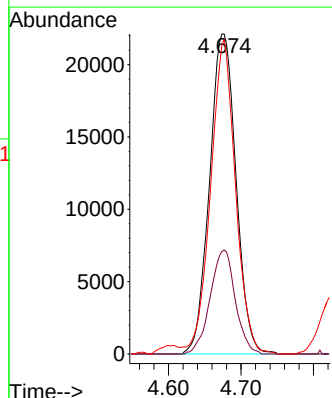
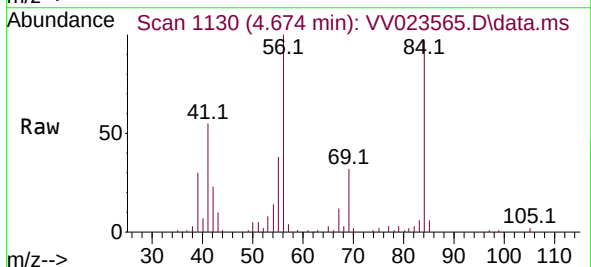
Tgt Ion: 56 Resp: 56071

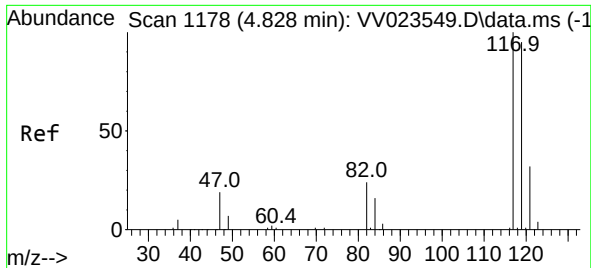
Ion Ratio Lower Upper

56 100

69 30.8 23.5 35.3

84 92.3 71.6 107.4

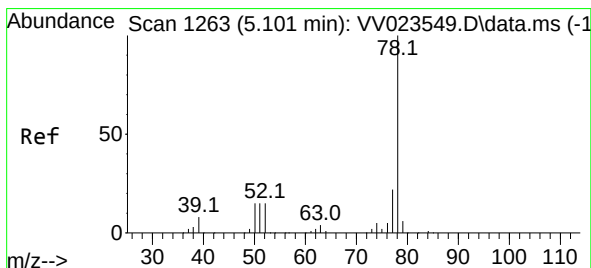
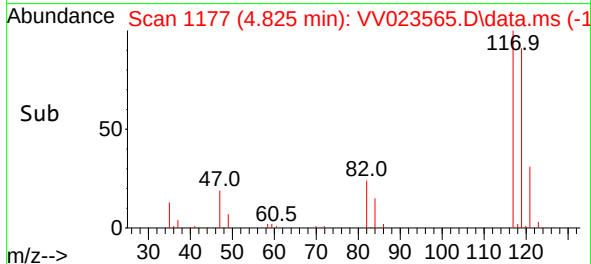
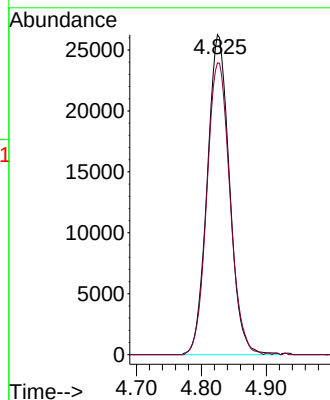
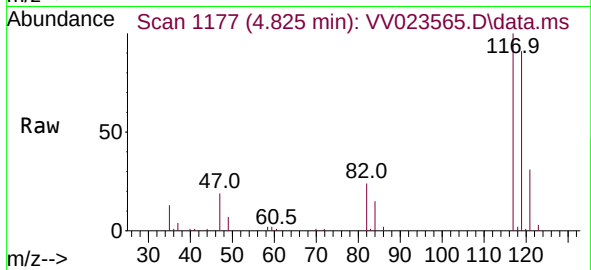




#31
Carbon tetrachloride
Concen: 5.101 ug/L
RT: 4.825 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

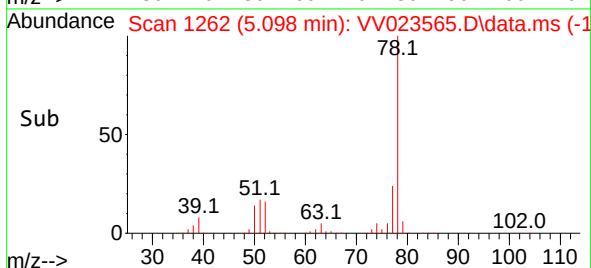
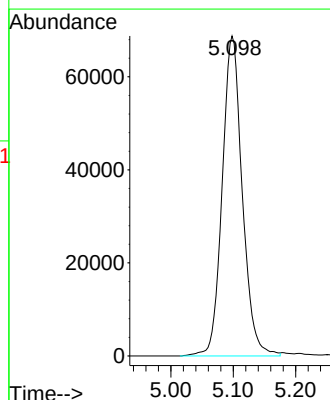
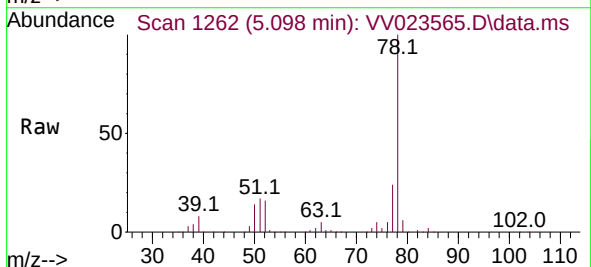
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

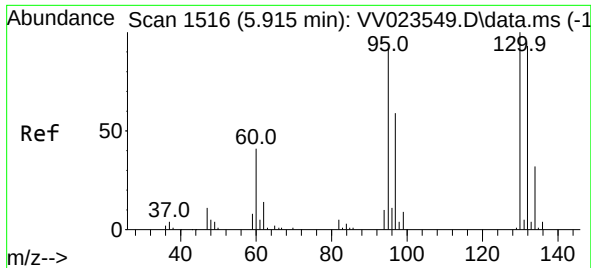
Tgt Ion:117 Resp: 62603
Ion Ratio Lower Upper
117 100
119 94.5 78.8 118.2



#33
Benzene
Concen: 4.893 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 78 Resp: 153854



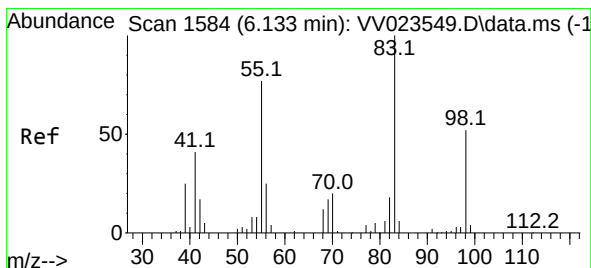
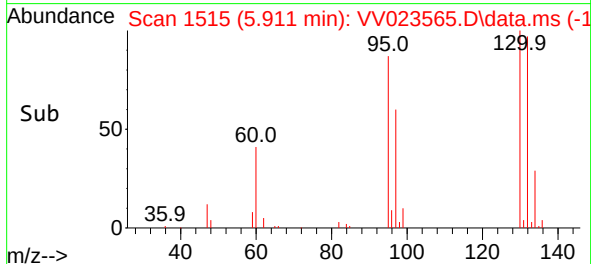
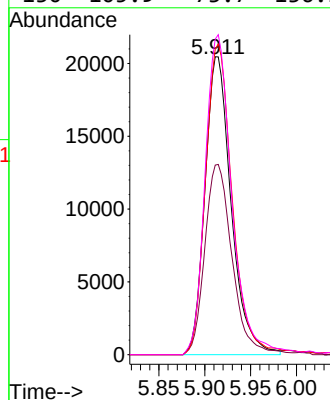
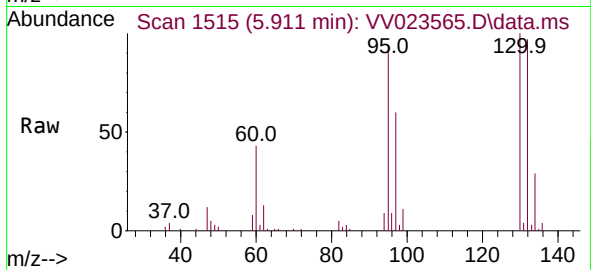


#34
Trichloroethene
Concen: 4.871 ug/L
RT: 5.911 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

Tgt Ion: 95 Resp: 40733

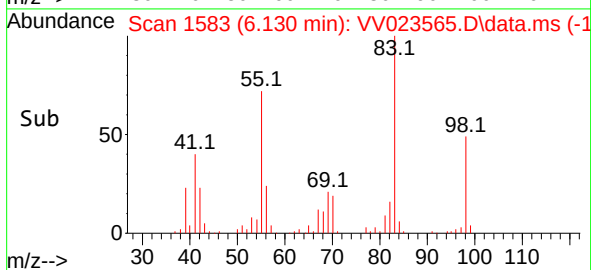
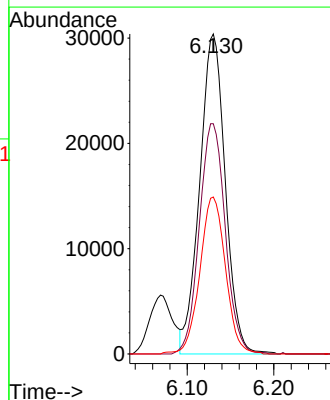
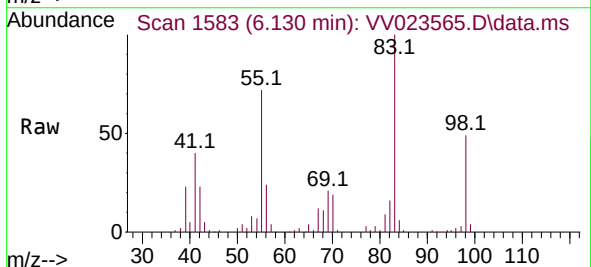
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.0	83.6
132	102.6	69.7	129.4
130	105.9	73.7	136.9

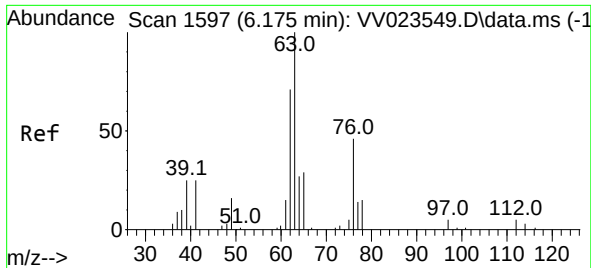


#35
Methylcyclohexane
Concen: 4.727 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. -0.003 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 83 Resp: 62396

Ion	Ratio	Lower	Upper
83	100		
55	73.0	62.8	94.2
98	49.2	37.9	56.9





#37

1,2-Dichloropropane

Concen: 4.737 ug/L

RT: 6.172 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

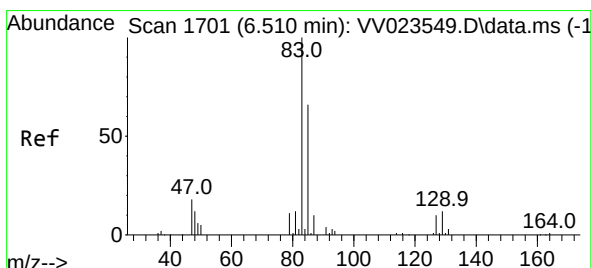
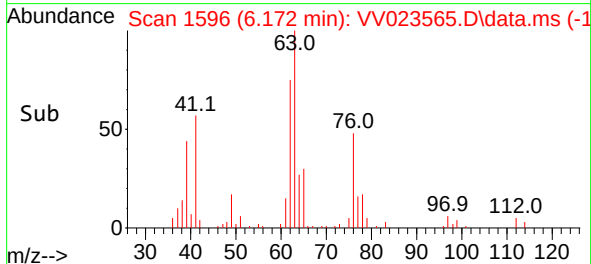
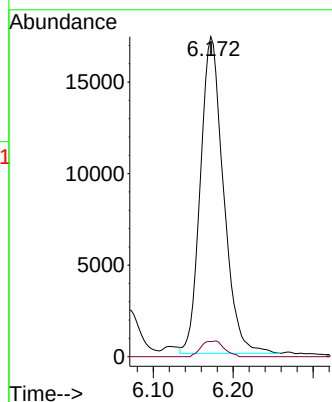
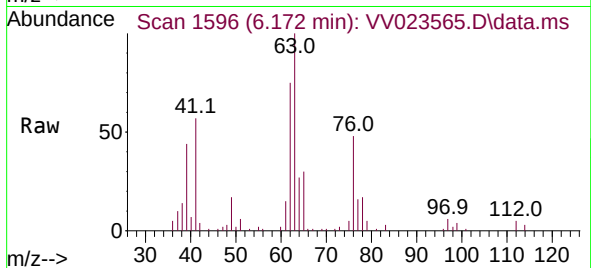
VSTD005360

Tgt Ion: 63 Resp: 34772

Ion Ratio Lower Upper

63 100

112 4.9 4.6 6.8



#38

Bromodichloromethane

Concen: 5.008 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

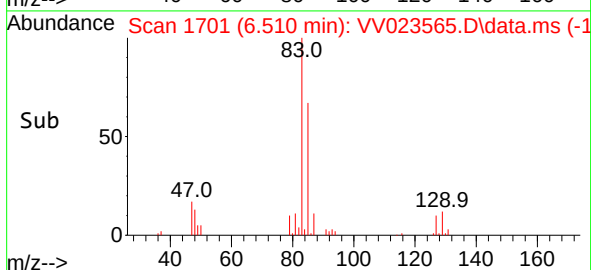
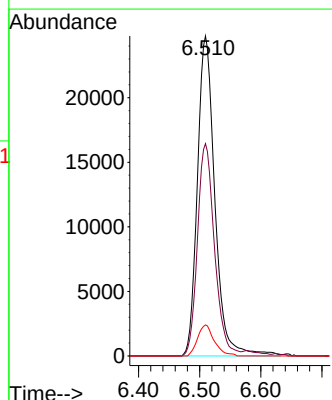
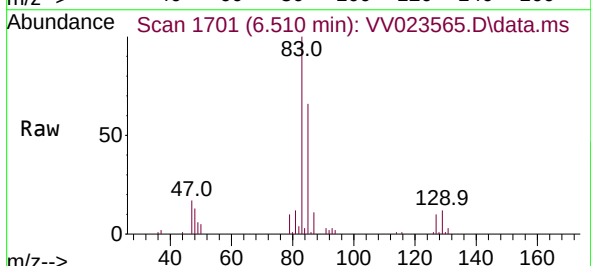
Tgt Ion: 83 Resp: 49266

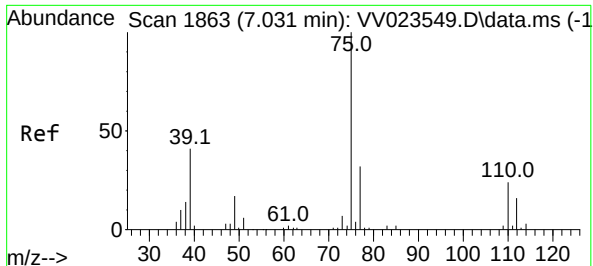
Ion Ratio Lower Upper

83 100

85 66.3 46.1 85.7

127 9.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.026 ug/L

RT: 7.027 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

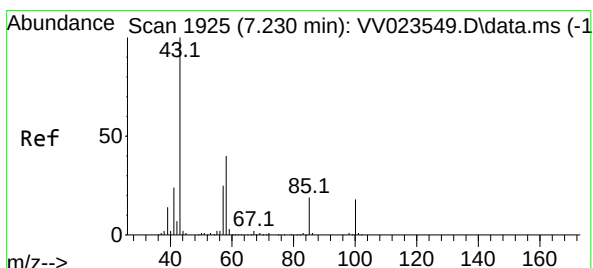
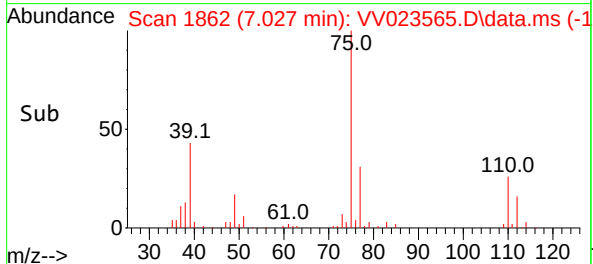
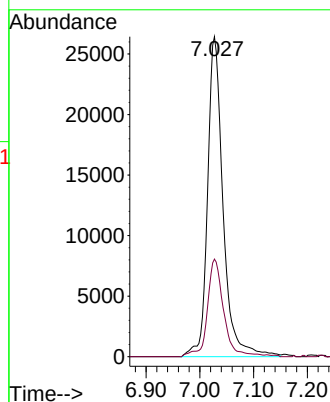
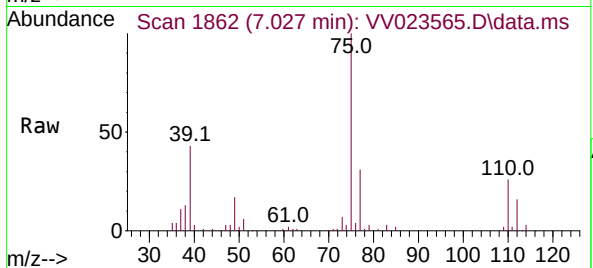
VSTD005360

Tgt Ion: 75 Resp: 53067

Ion Ratio Lower Upper

75 100

77 30.5 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 54.950 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

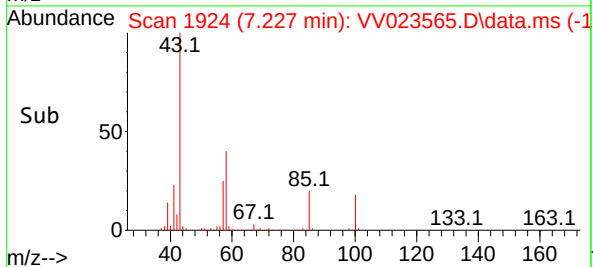
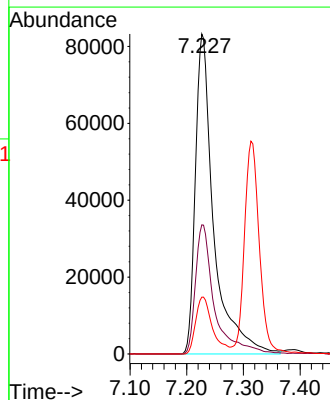
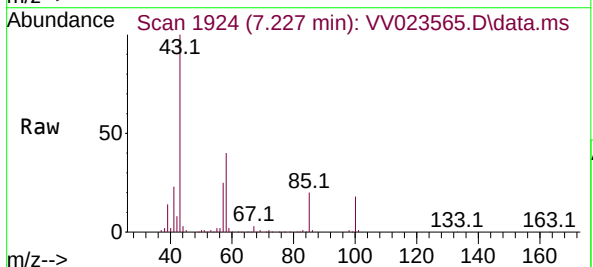
Tgt Ion: 43 Resp: 187092

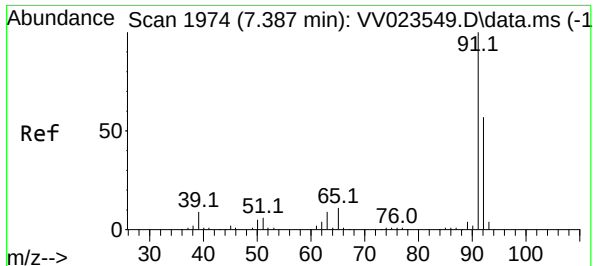
Ion Ratio Lower Upper

43 100

58 41.6 31.1 46.7

100 16.5 12.6 19.0





#42

Toluene

Concen: 5.168 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

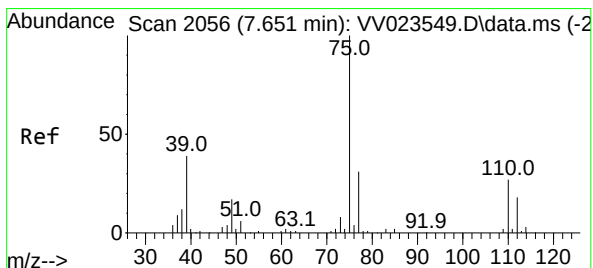
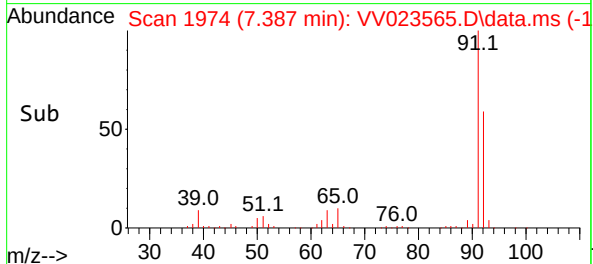
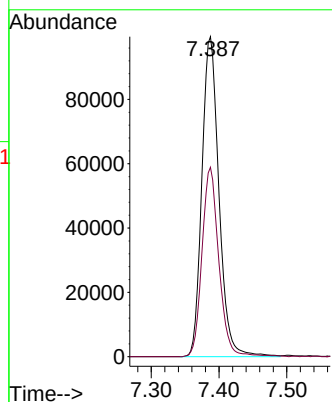
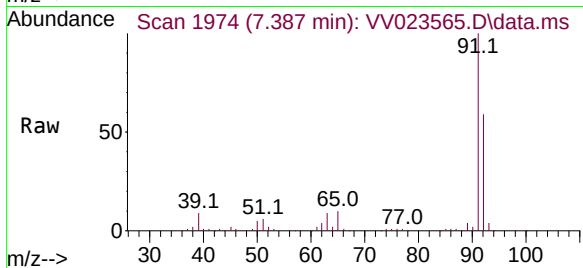
VSTD005360

Tgt Ion: 91 Resp: 173822

Ion Ratio Lower Upper

91 100

92 59.2 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 5.142 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VV023565.D

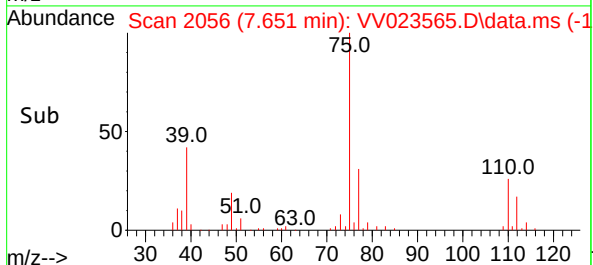
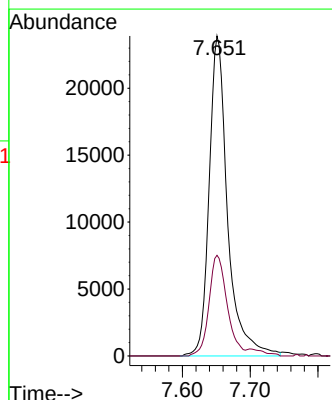
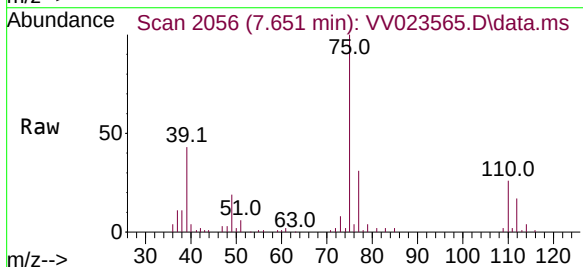
Acq: 17 Nov 2021 12:49

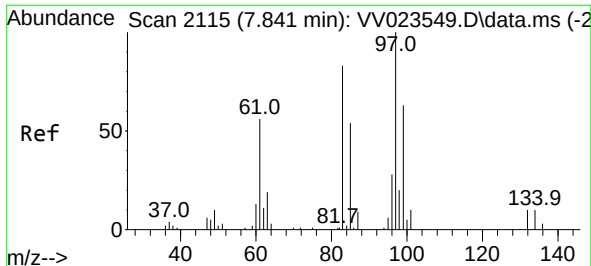
Tgt Ion: 75 Resp: 45054

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.915 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

Tgt Ion: 97 Resp: 25923

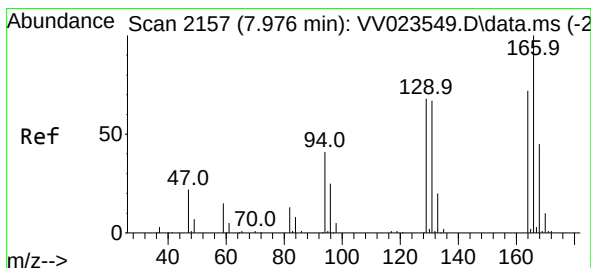
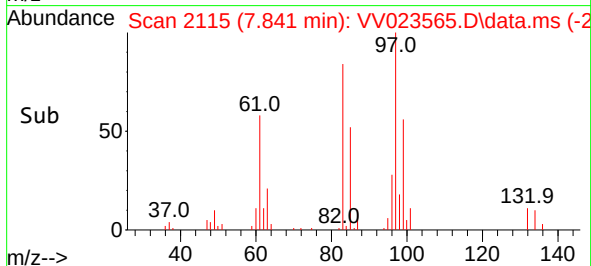
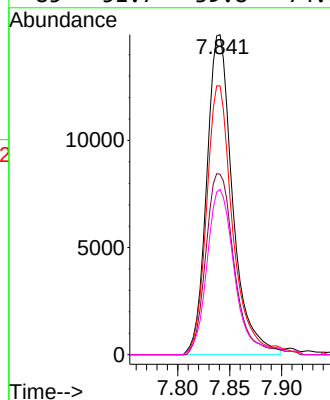
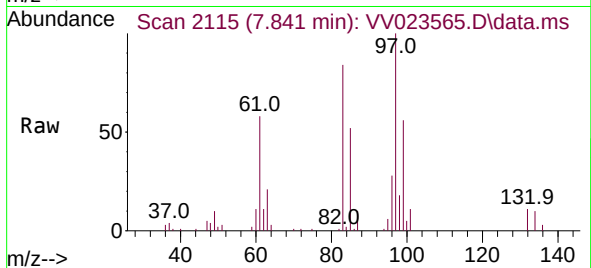
Ion Ratio Lower Upper

97 100

99 56.4 43.6 81.0

83 84.0 58.4 108.4

85 51.7 39.8 74.0



#47

Tetrachloroethene

Concen: 5.017 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Tgt Ion:164 Resp: 36358

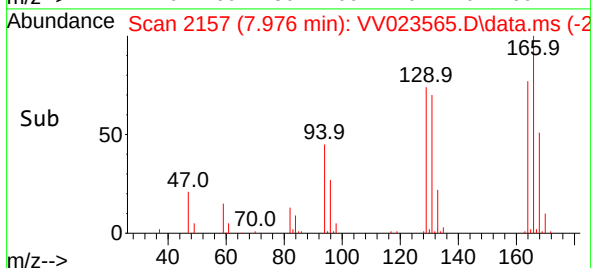
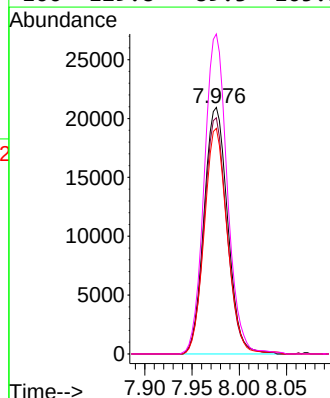
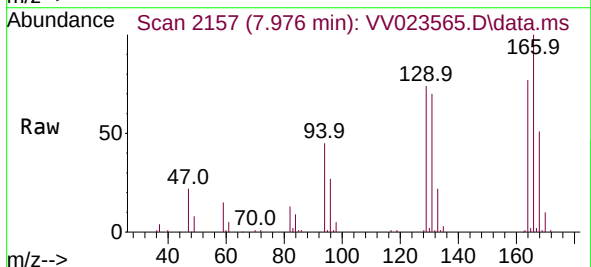
Ion Ratio Lower Upper

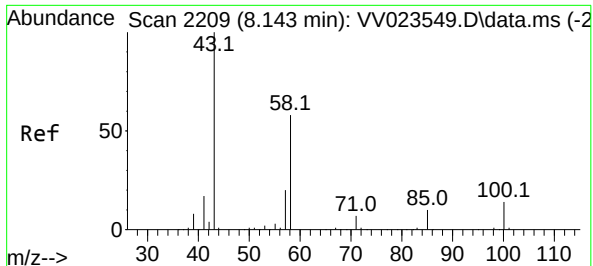
164 100

129 95.8 64.0 119.0

131 91.5 63.4 117.8

166 129.8 89.3 165.9



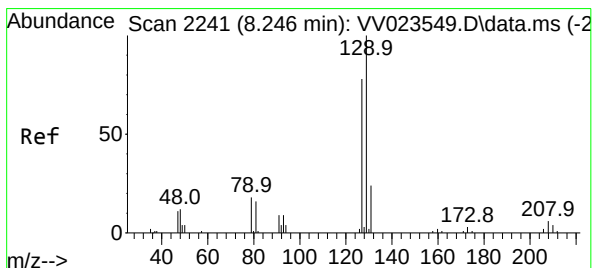
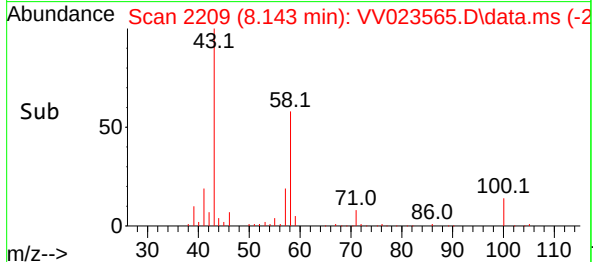
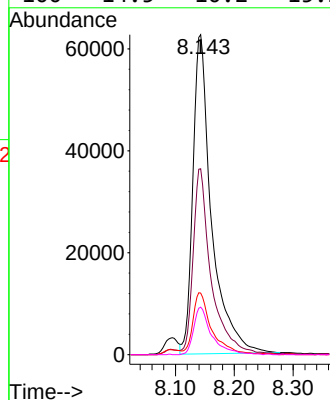
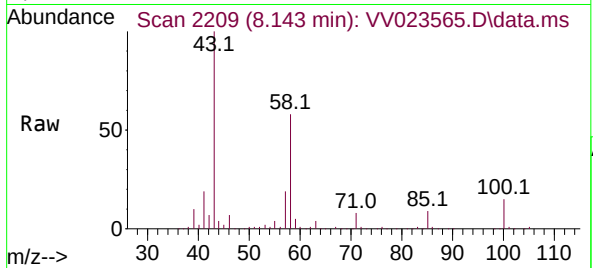


#48
2-Hexanone
Concen: 57.804 ug/L
RT: 8.143 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

Tgt Ion: 43 Resp: 137908

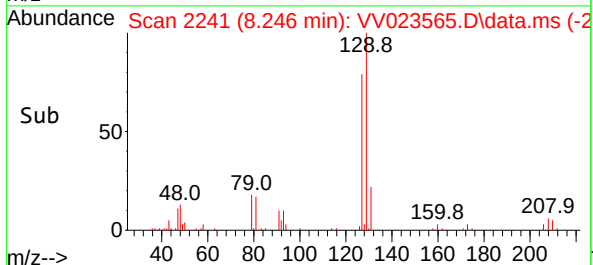
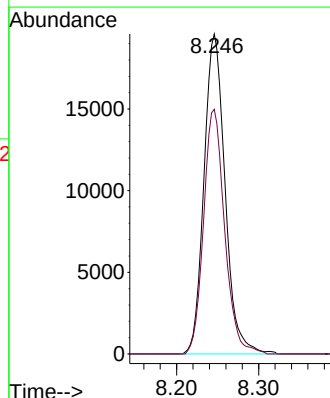
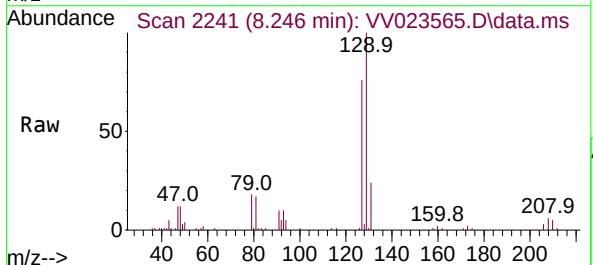
Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.7	65.5
57	18.8	14.1	21.1
100	14.5	10.2	15.2

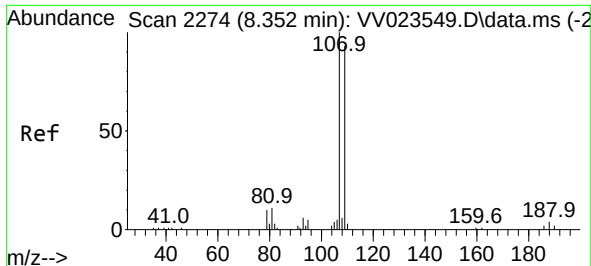


#49
Dibromochloromethane
Concen: 5.229 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 129 Resp: 34949

Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.7	101.7





#50

1,2-Dibromoethane

Concen: 5.001 ug/L

RT: 8.352 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

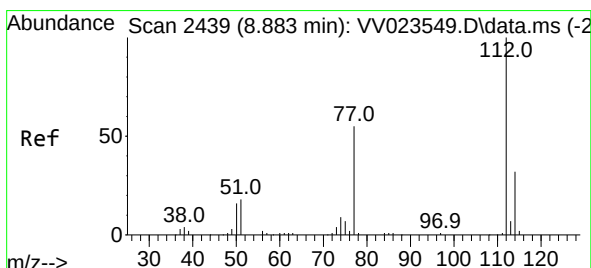
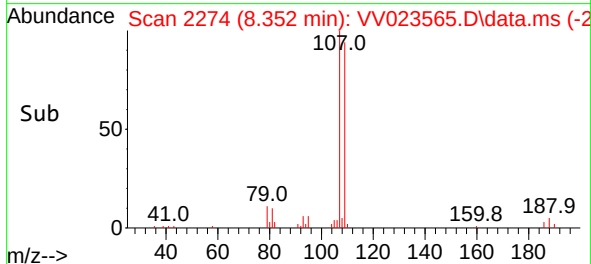
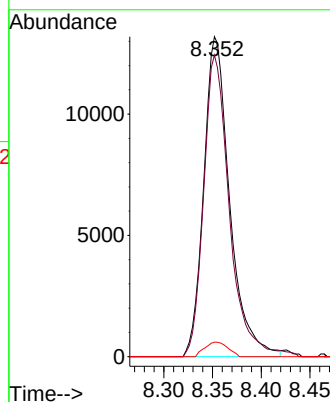
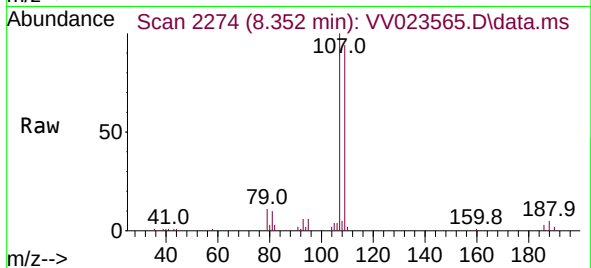
Tgt Ion:107 Resp: 24447

Ion Ratio Lower Upper

107 100

109 94.2 64.7 120.1

188 4.6 3.6 5.4



#51

Chlorobenzene

Concen: 4.990 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

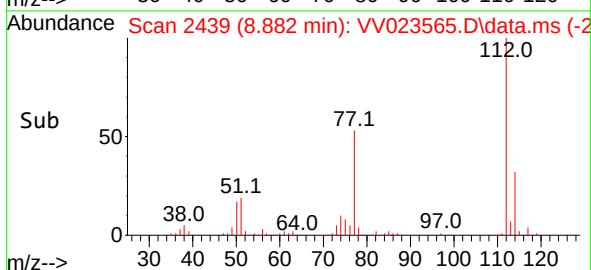
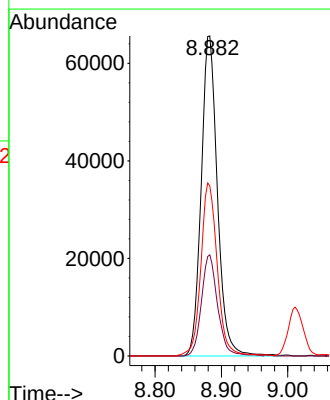
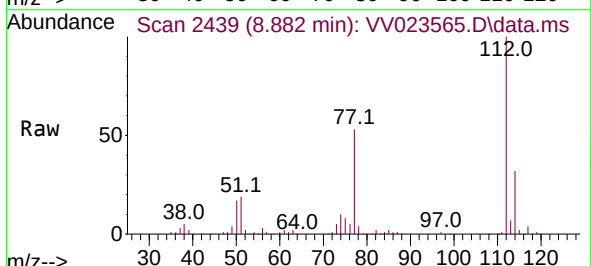
Tgt Ion:112 Resp: 111557

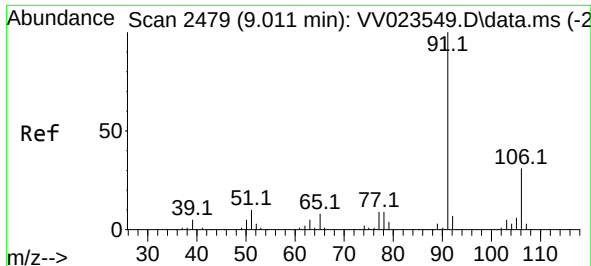
Ion Ratio Lower Upper

112 100

114 31.6 22.0 40.8

77 53.1 44.4 66.6





#52

Ethylbenzene

Concen: 5.030 ug/L

RT: 9.011 min Scan# 24

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

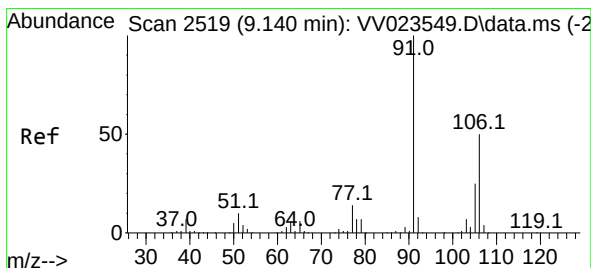
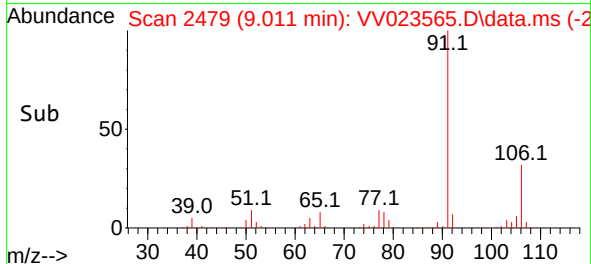
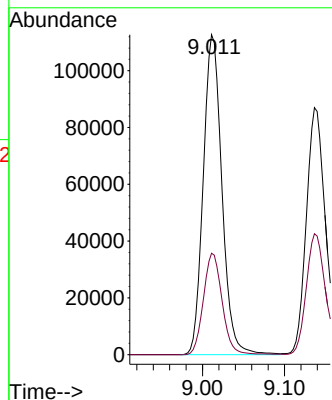
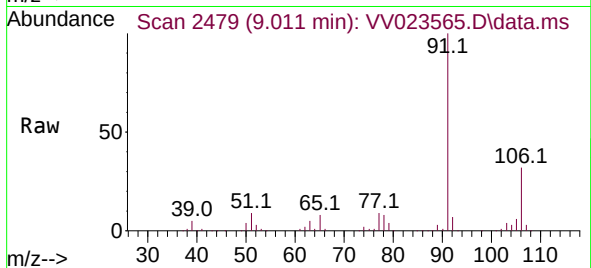
VSTD005360

Tgt Ion: 91 Resp: 178440

Ion Ratio Lower Upper

91 100

106 31.7 22.5 41.9



#53

m,p-xylene

Concen: 4.997 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.003 min

Lab File: VV023565.D

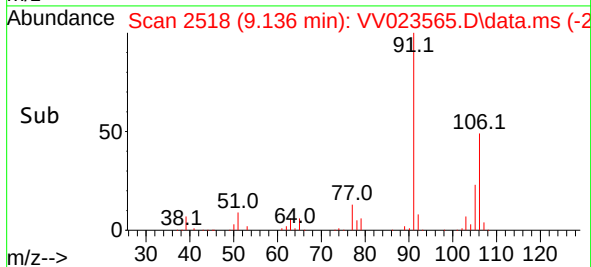
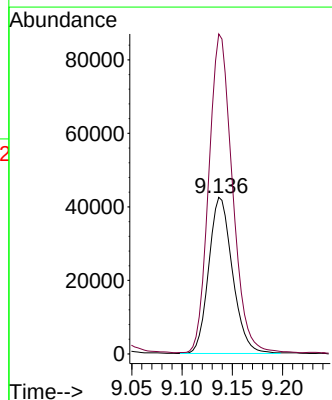
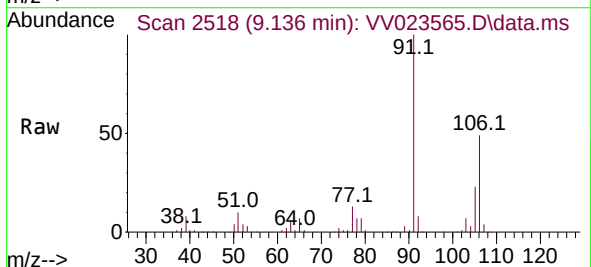
Acq: 17 Nov 2021 12:49

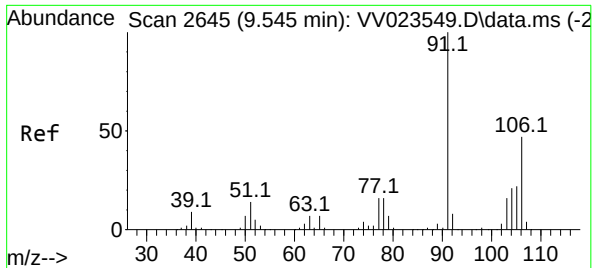
Tgt Ion: 106 Resp: 69566

Ion Ratio Lower Upper

106 100

91 204.4 137.2 254.8

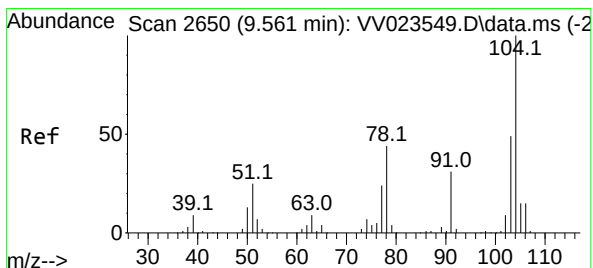
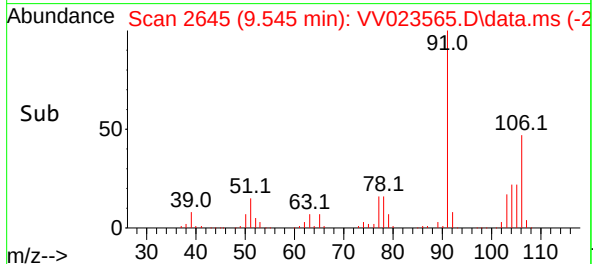
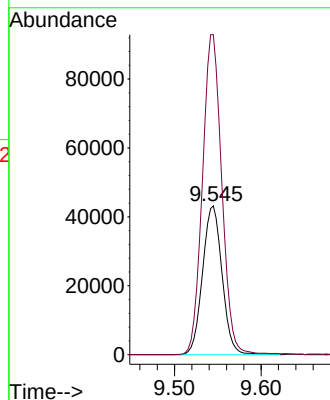
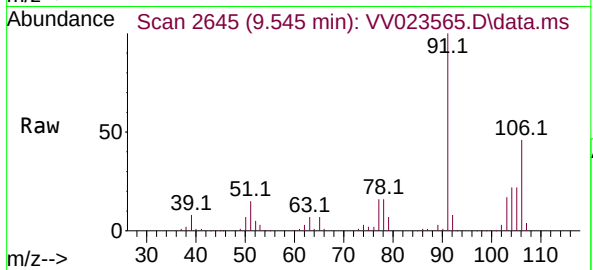




#54
o-xylene
Concen: 5.181 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

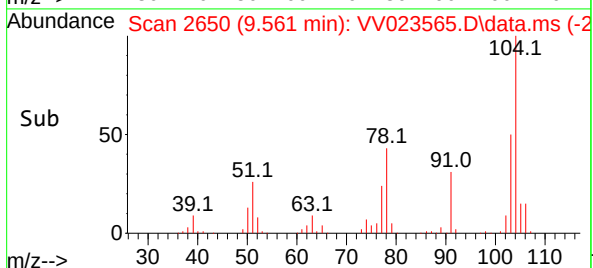
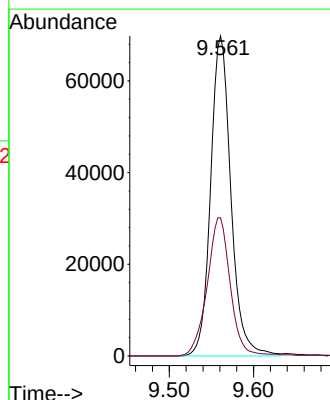
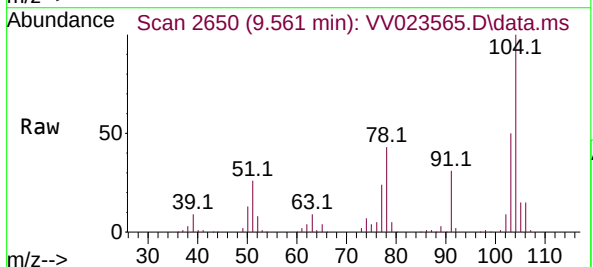
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

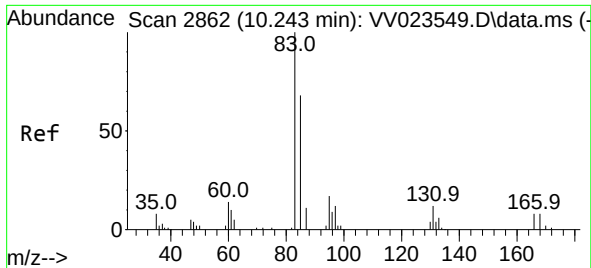
Tgt Ion:106 Resp: 67669
Ion Ratio Lower Upper
106 100
91 215.1 148.3 275.5



#55
Styrene
Concen: 5.220 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion:104 Resp: 116786
Ion Ratio Lower Upper
104 100
78 43.2 29.3 54.3

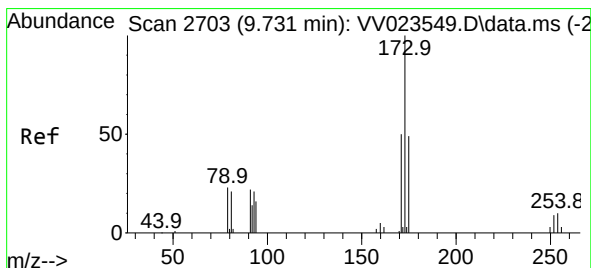
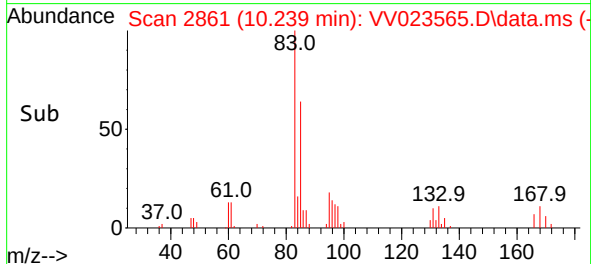
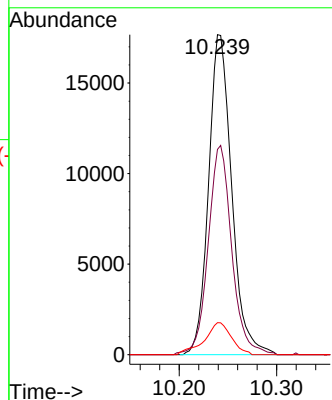
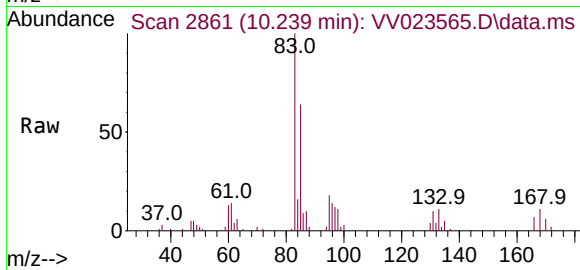




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.045 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. -0.003 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

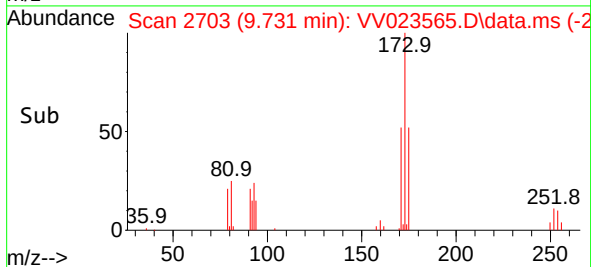
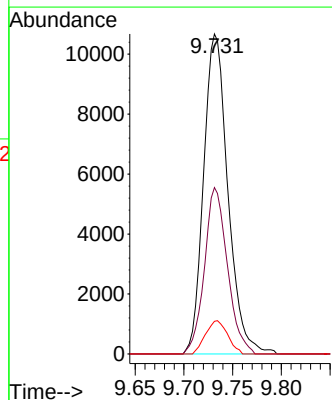
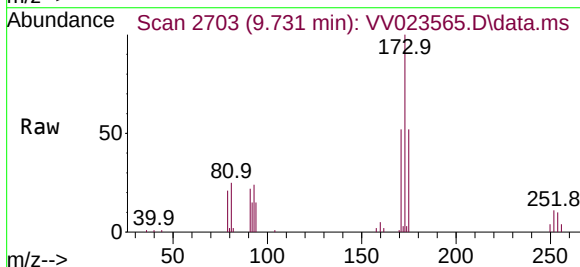
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

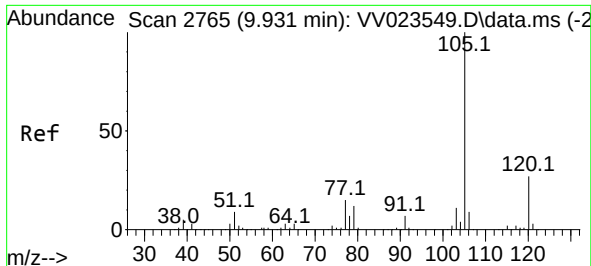
Tgt Ion: 83 Resp: 29159
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.1 83.9
 131 10.0 7.8 11.6



#59
 Bromoform
 Concen: 4.949 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. -0.000 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

Tgt Ion: 173 Resp: 18539
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.2 57.2
 254 9.4 6.2 9.2#

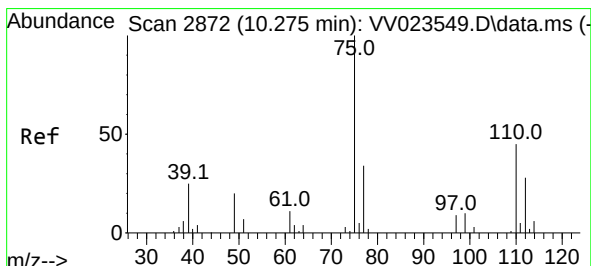
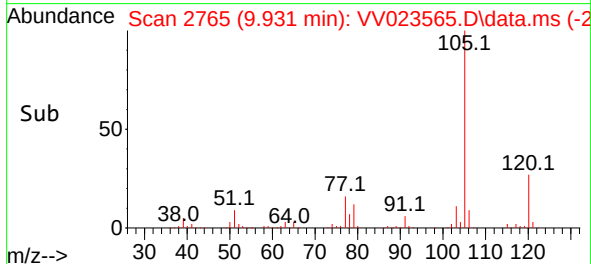
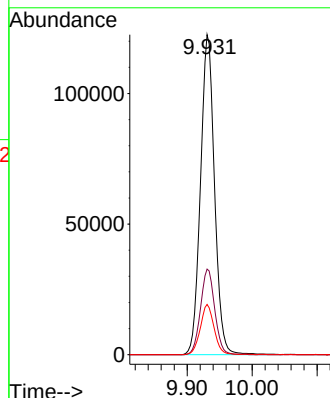
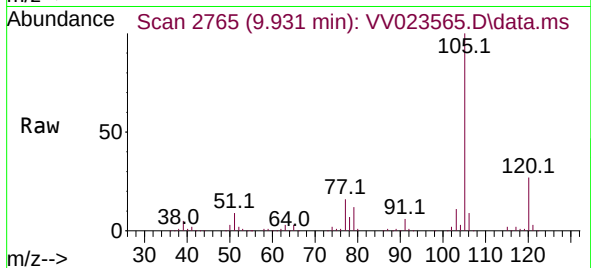




#60
Isopropylbenzene
Concen: 5.127 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

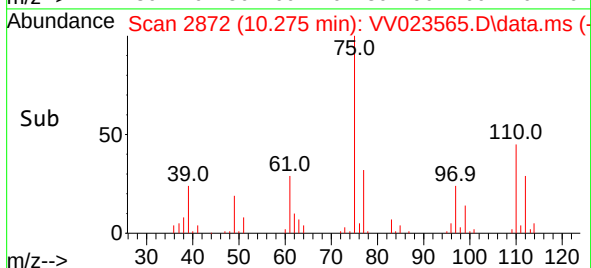
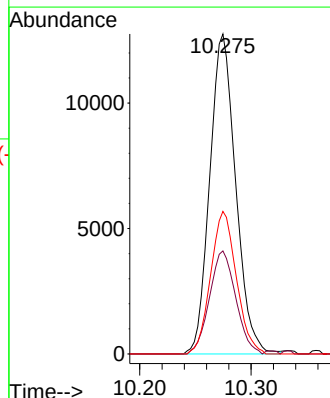
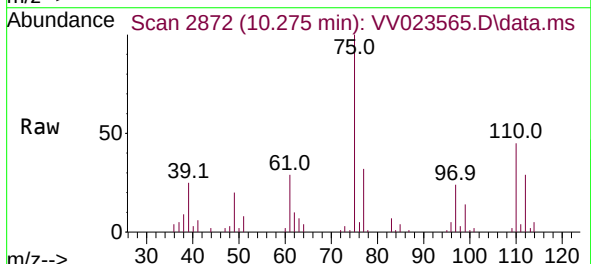
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

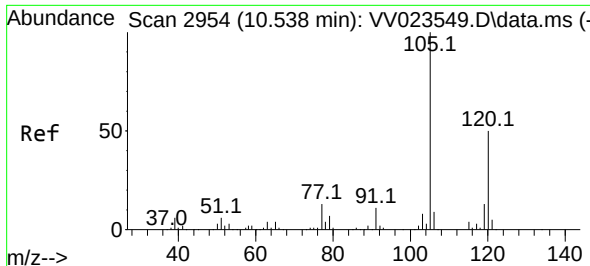
Tgt Ion:105 Resp: 184548
Ion Ratio Lower Upper
105 100
120 27.0 21.7 32.5
77 15.4 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.949 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion: 75 Resp: 20618
Ion Ratio Lower Upper
75 100
77 32.5 26.6 39.8
110 44.2 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.138 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

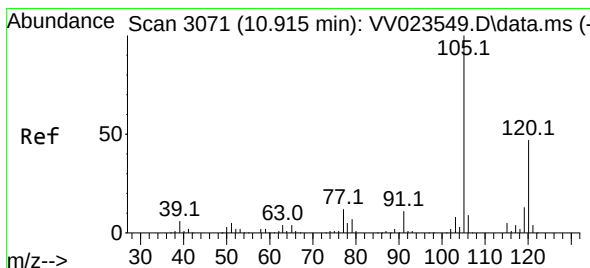
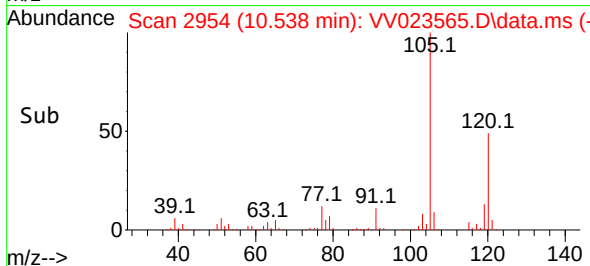
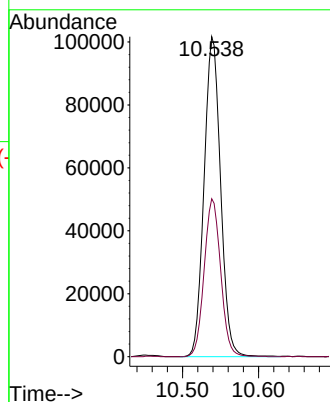
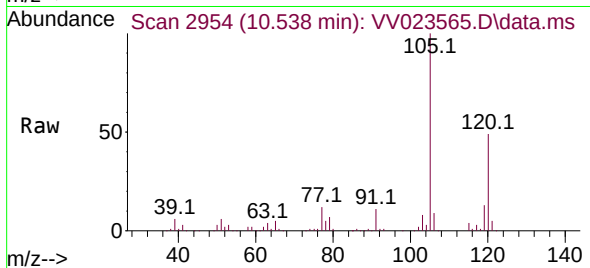
VSTD005360

Tgt Ion:105 Resp: 153332

Ion Ratio Lower Upper

105 100

120 49.3 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.139 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV023565.D

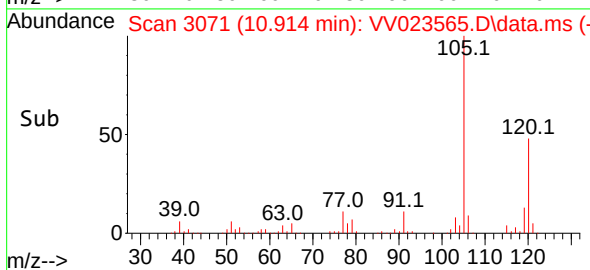
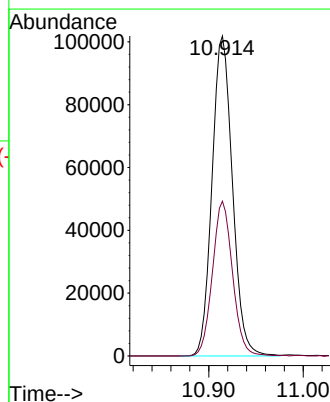
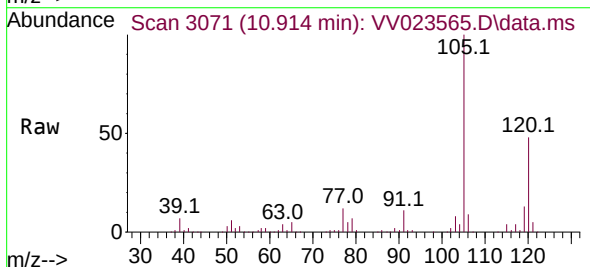
Acq: 17 Nov 2021 12:49

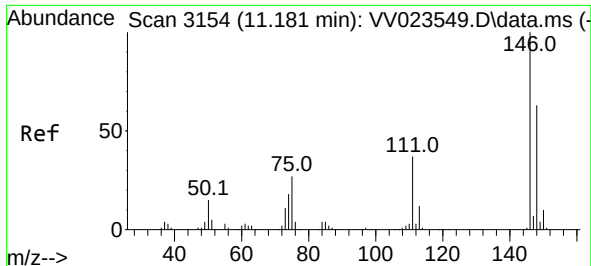
Tgt Ion:105 Resp: 152660

Ion Ratio Lower Upper

105 100

120 47.6 37.4 56.2

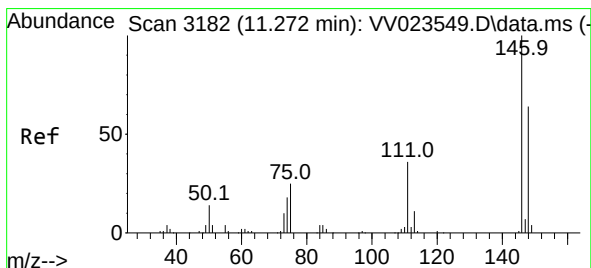
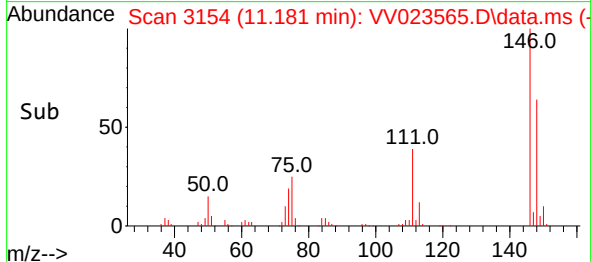
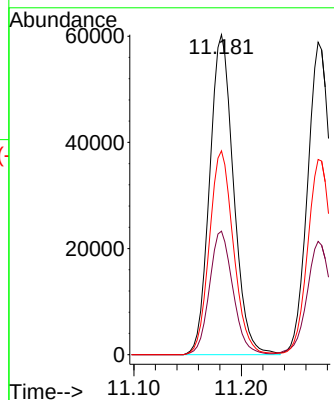
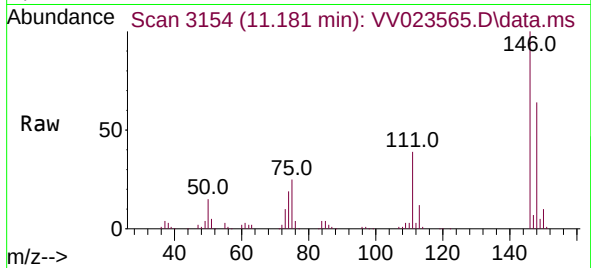




#64
1,3-Dichlorobenzene
Concen: 5.061 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

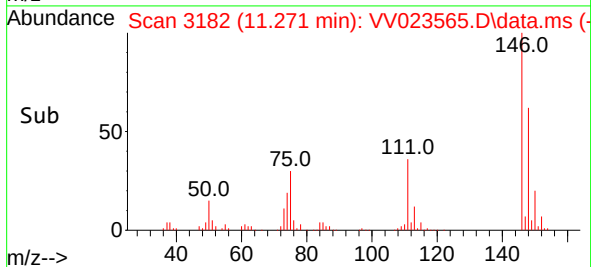
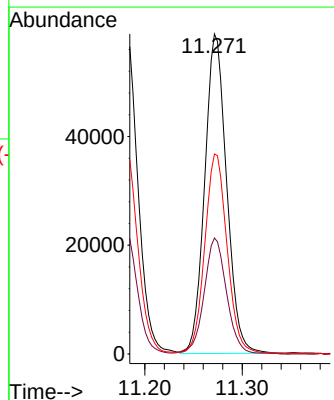
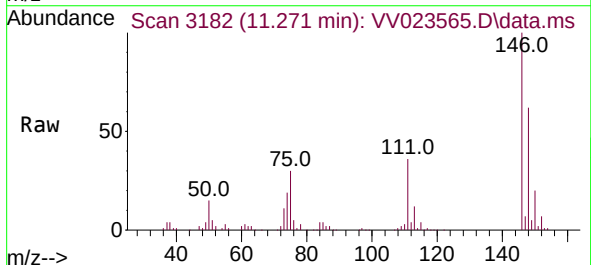
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

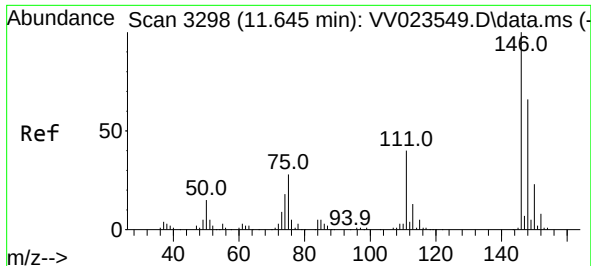
Tgt Ion:146 Resp: 93076
Ion Ratio Lower Upper
146 100
111 38.6 26.7 49.7
148 63.7 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 4.892 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV023565.D
Acq: 17 Nov 2021 12:49

Tgt Ion:146 Resp: 91876
Ion Ratio Lower Upper
146 100
111 36.3 26.2 48.8
148 62.5 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 5.057 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

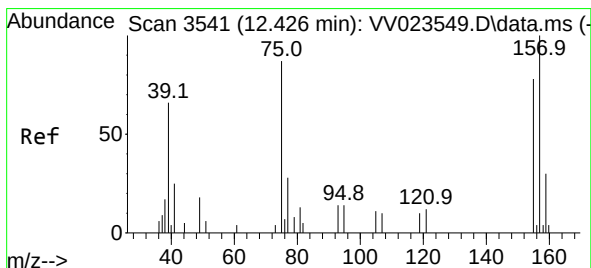
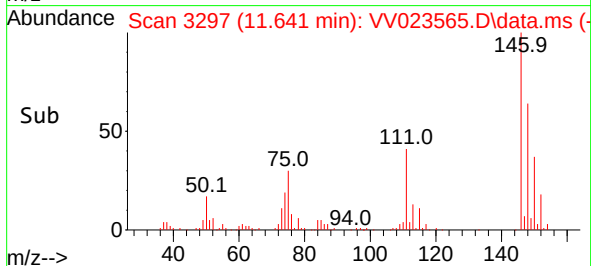
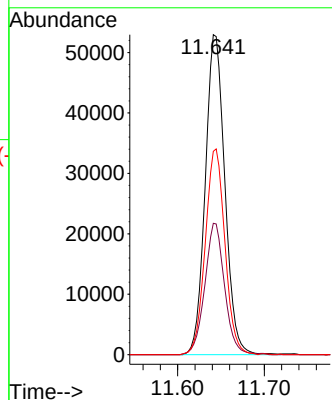
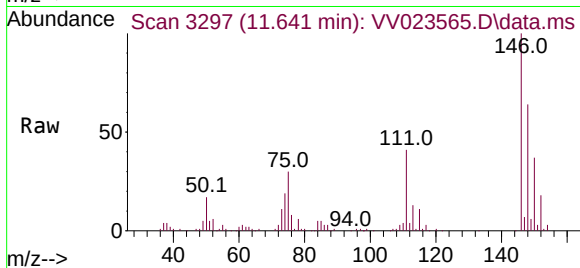
Tgt Ion:146 Resp: 83212

Ion Ratio Lower Upper

146 100

111 41.0 31.6 47.4

148 63.6 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.814 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. 0.003 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

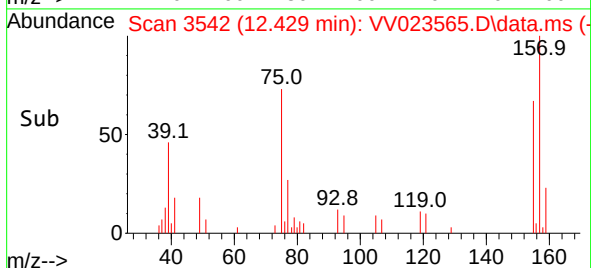
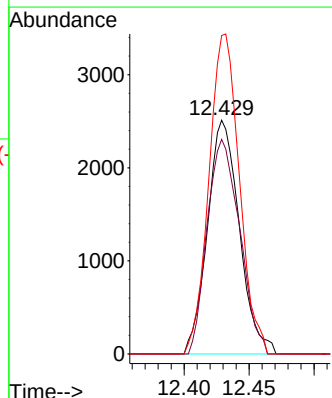
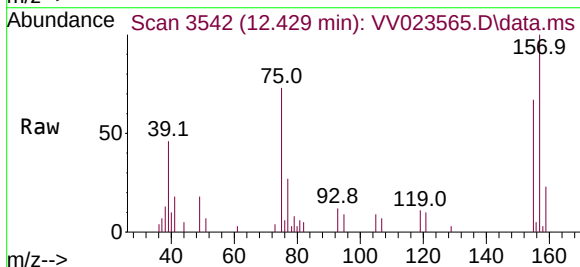
Tgt Ion: 75 Resp: 4273

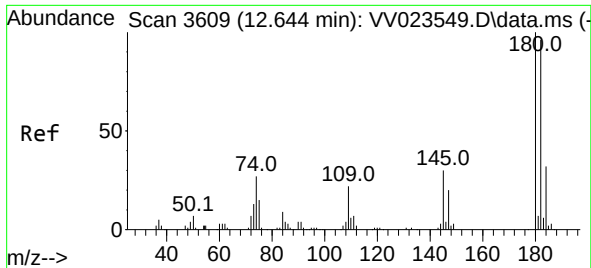
Ion Ratio Lower Upper

75 100

155 91.8 67.7 101.5

157 136.2 87.9 131.9#

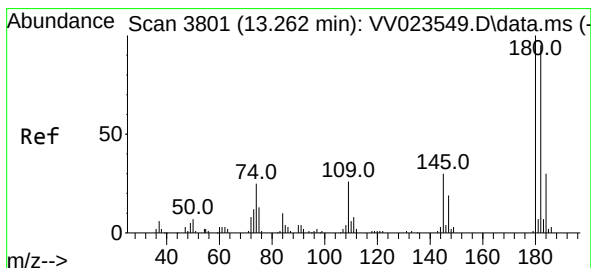
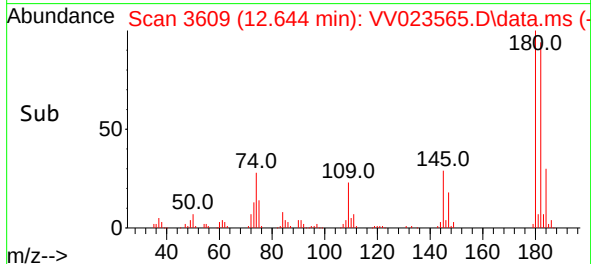
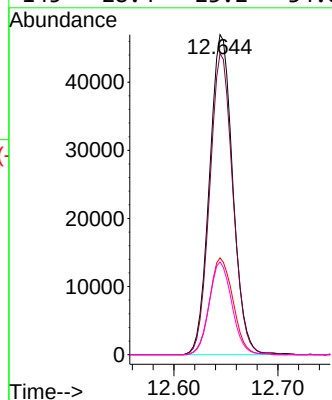
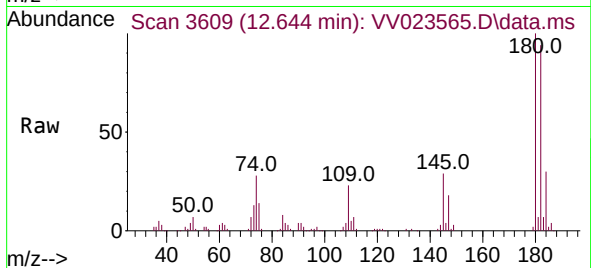




#69
 1,3,5-Trichlorobenzene
 Concen: 5.077 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

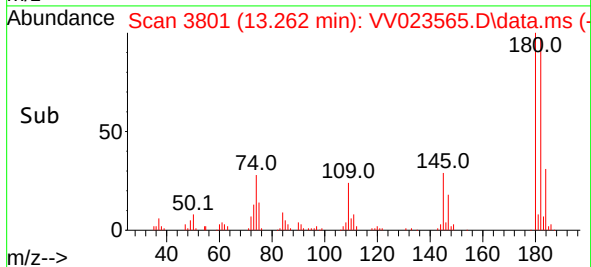
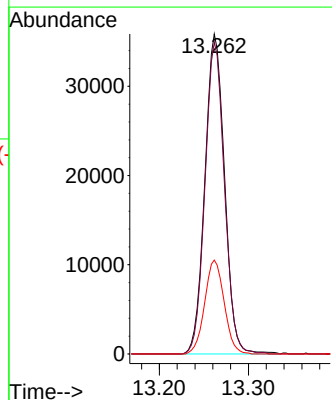
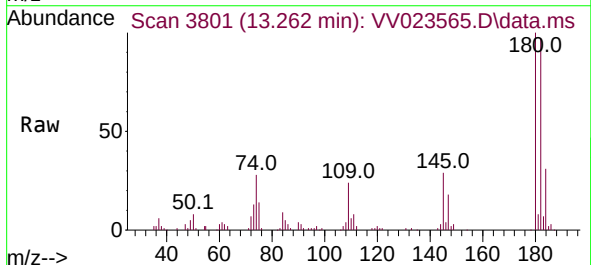
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

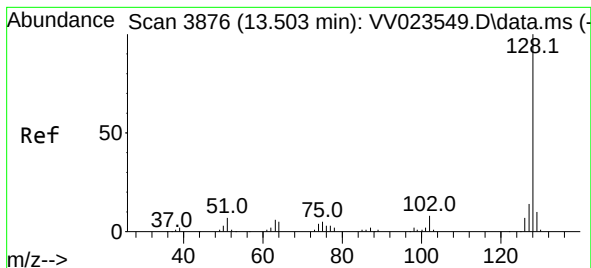
Tgt Ion:180	Resp:	73103
Ion Ratio	Lower	Upper
180	100	
182	93.5	74.9 112.3
184	30.4	23.8 35.8
145	28.4	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.765 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV023565.D
 Acq: 17 Nov 2021 12:49

Tgt Ion:180	Resp:	54947
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.9 115.3
145	29.0	24.4 36.6





#71

Naphthalene

Concen: 4.437 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

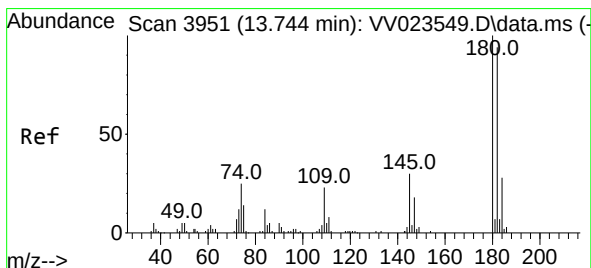
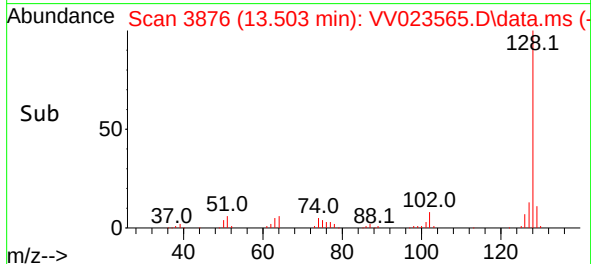
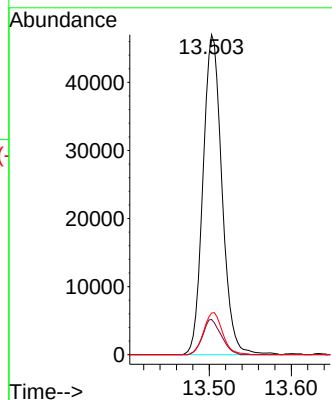
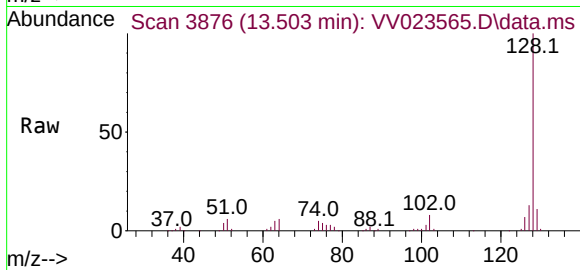
Tgt Ion:128 Resp: 75444

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.2 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 4.860 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VV023565.D

Acq: 17 Nov 2021 12:49

Tgt Ion:180 Resp: 49033

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 30.9 25.7 38.5

