

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111721\
 Data File : VV023591.D
 Acq On : 17 Nov 2021 23:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

Quant Time: Nov 18 00:26:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 00:20:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	125286	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	122251	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	67661	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	42908	5.467	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.400%
7) Chloroethane-d5	1.568	69	32778	5.124	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.400%
11) 1,1-Dichloroethene-d2	2.108	63	74992	5.104	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.000%
20) 2-Butanone-d5	3.902	46	52736	39.000	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.000%
24) Chloroform-d	4.352	84	73635	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.034	65	34112	4.535	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.050	84	144684	4.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.072	67	40432	4.379	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.317	98	139499	4.746	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	7.625	79	16006	4.572	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.091	63	56336	43.732	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.460%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28693	4.321	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	49746	4.415	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	48114	3.938	ug/L	99
3) Chloromethane	1.240	50	40088	3.859	ug/L	97
5) Vinyl chloride	1.310	62	43817	4.224	ug/L	99
6) Bromomethane	1.523	94	14361	2.166	ug/L	97
8) Chloroethane	1.584	64	27804	4.645	ug/L	97
9) Trichlorofluoromethane	1.754	101	69215	4.441	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	35246	4.492	ug/L	97
12) 1,1-Dichloroethene	2.117	96	33266	4.453	ug/L	92
13) Acetone	2.191	43	36100	43.693	ug/L	91
14) Carbon disulfide	2.294	76	106364	3.773	ug/L	100
15) Methyl Acetate	2.442	43	8959	3.831	ug/L	98
16) Methylene chloride	2.506	84	39524	3.625	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	75195	4.572	ug/L	97
18) trans-1,2-Dichloroethene	2.760	96	38020	4.140	ug/L	99
19) 1,1-Dichloroethane	3.191	63	67052	4.324	ug/L	99
21) 2-Butanone	3.985	43	51678	38.687	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	39311	4.448	ug/L	# 89
23) Bromochloromethane	4.249	128	17963	4.407	ug/L	# 77
25) Chloroform	4.378	83	75123	4.545	ug/L	99

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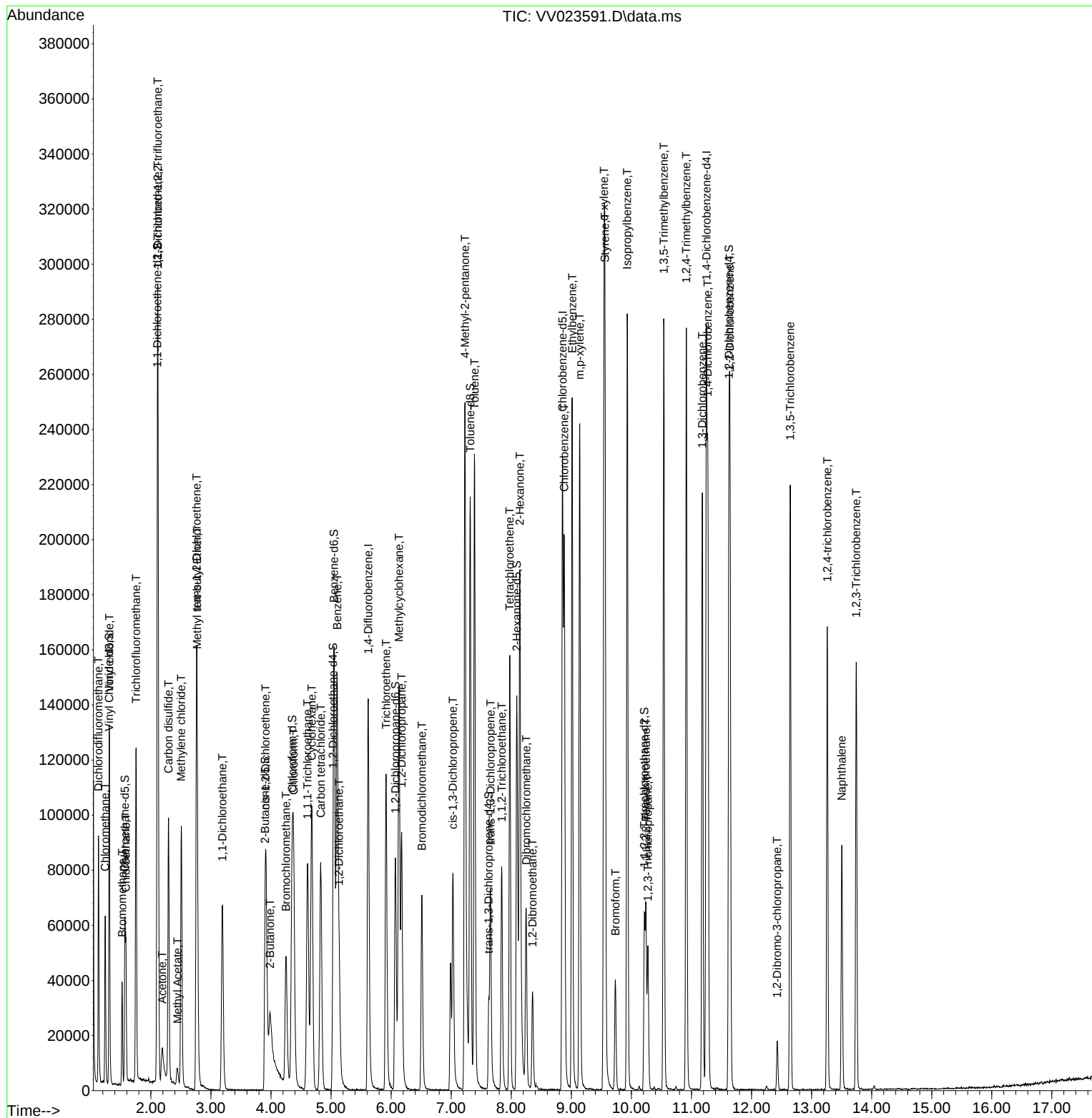
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	39980	4.547	ug/L	98
29) 1,1,1-Trichloroethane	4.609	97	68177	4.592	ug/L	99
30) Cyclohexane	4.677	56	53461	4.018	ug/L	96
31) Carbon tetrachloride	4.828	117	61058	4.579	ug/L	97
33) Benzene	5.101	78	150848	4.415	ug/L	100
34) Trichloroethene	5.915	95	40093	4.412	ug/L	97
35) Methylcyclohexane	6.130	83	58658	4.090	ug/L	97
37) 1,2-Dichloropropane	6.175	63	34279	4.297	ug/L	100
38) Bromodichloromethane	6.513	83	48004	4.491	ug/L	95
39) cis-1,3-Dichloropropene	7.030	75	49137	4.283	ug/L	94
40) 4-Methyl-2-pentanone	7.230	43	184065	49.752	ug/L	98
42) Toluene	7.387	91	167208	4.575	ug/L	95
44) trans-1,3-Dichloropropene	7.654	75	41812	4.392	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	26401	4.606	ug/L	96
47) Tetrachloroethene	7.976	164	35398	4.495	ug/L	99
48) 2-Hexanone	8.143	43	132389	51.068	ug/L	98
49) Dibromochloromethane	8.249	129	34573	4.761	ug/L	95
50) 1,2-Dibromoethane	8.355	107	24347	4.584	ug/L	96
51) Chlorobenzene	8.882	112	107067	4.407	ug/L	99
52) Ethylbenzene	9.014	91	170619	4.426	ug/L	100
53) m,p-xylene	9.140	106	69380	4.586	ug/L	98
54) o-xylene	9.545	106	65224	4.596	ug/L	97
55) Styrene	9.561	104	113455	4.667	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.242	83	28317	4.509	ug/L	96
59) Bromoform	9.734	173	18748	4.639	ug/L	98
60) Isopropylbenzene	9.931	105	177538	4.573	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	20051	4.461	ug/L	95
62) 1,3,5-Trimethylbenzene	10.538	105	145253	4.512	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	146528	4.573	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	89301	4.501	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	87658	4.327	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	80897	4.557	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	4362	4.555	ug/L	98
69) 1,3,5-Trichlorobenzene	12.644	180	67770	4.363	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	51892	4.172	ug/L	97
71) Naphthalene	13.503	128	71450	3.896	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	46930	4.312	ug/L	100

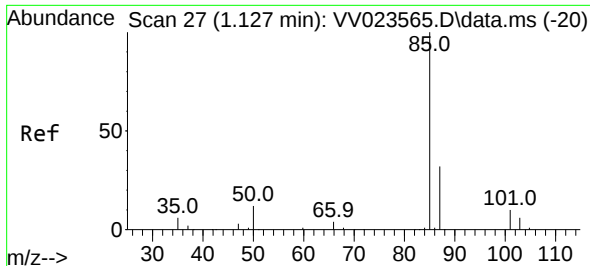
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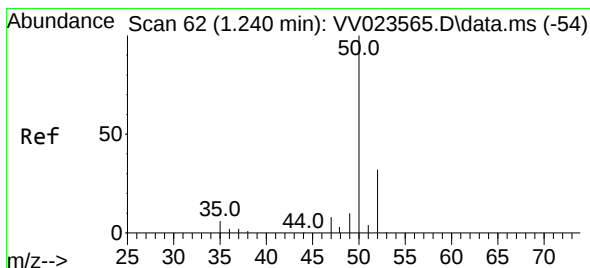
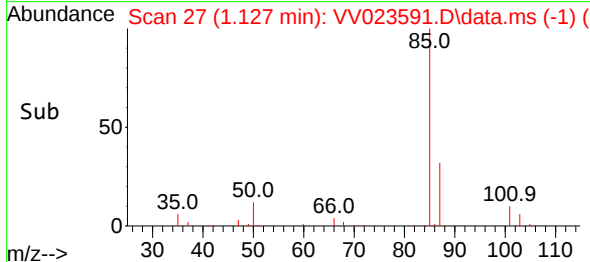
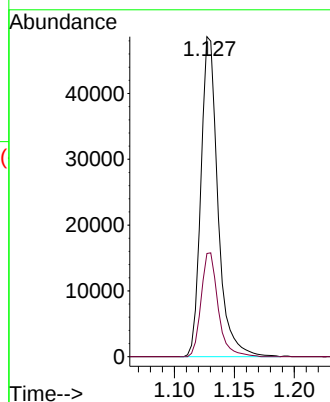
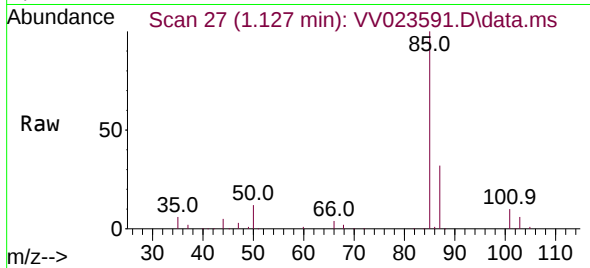




#2
 Dichlorodifluoromethane
 Concen: 3.938 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

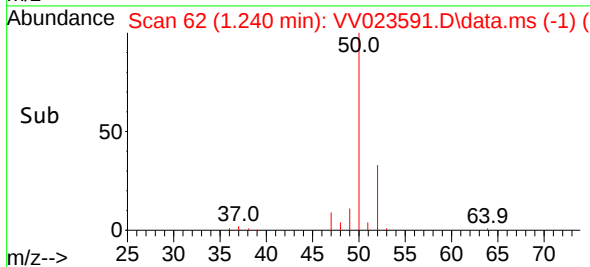
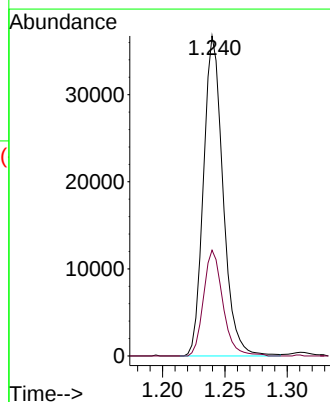
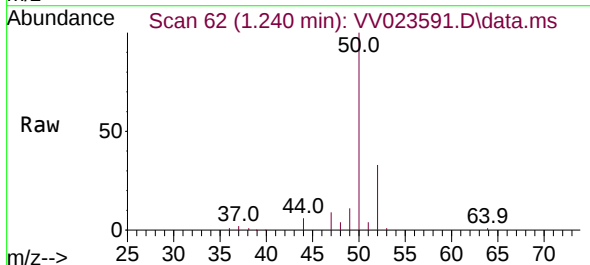
Instrument :
 MSVOA_V
 ClientSampleId :
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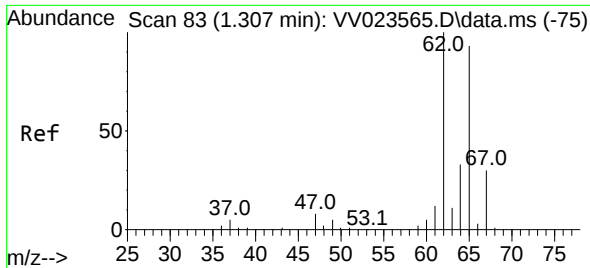
Tgt Ion: 85 Resp: 48114
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.6 39.8



#3
 Chloromethane
 Concen: 3.859 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

Tgt Ion: 50 Resp: 40088
 Ion Ratio Lower Upper
 50 100
 52 33.1 24.3 45.1

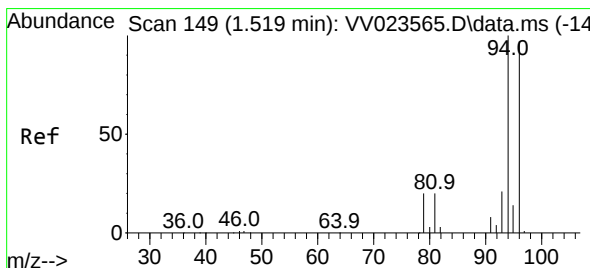
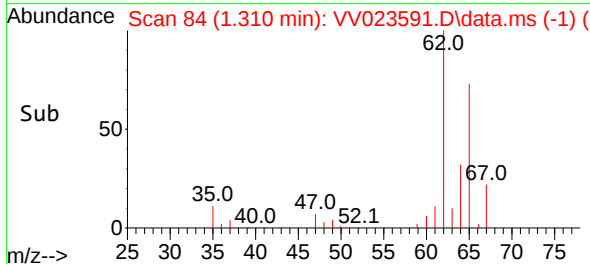
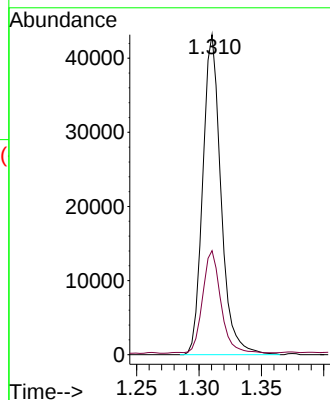
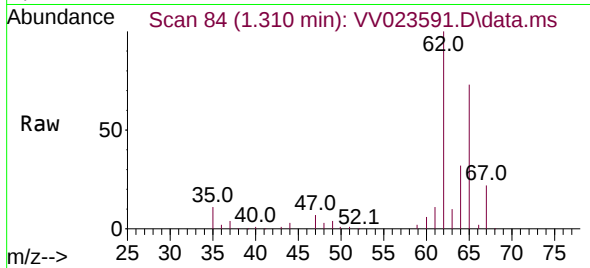




#5
 Vinyl chloride
 Concen: 4.224 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

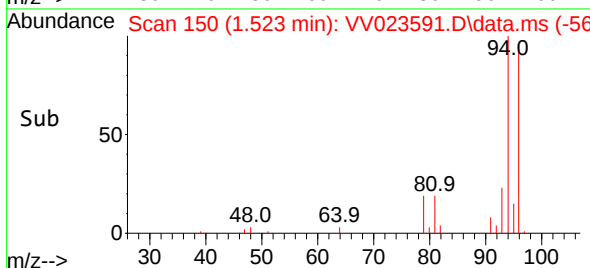
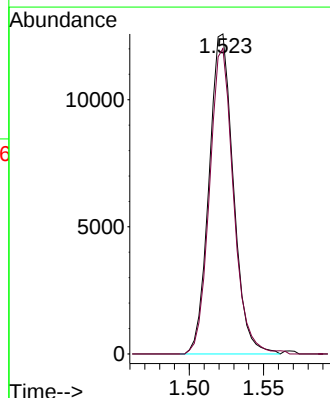
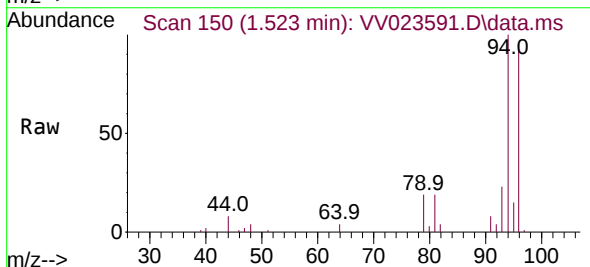
Instrument :
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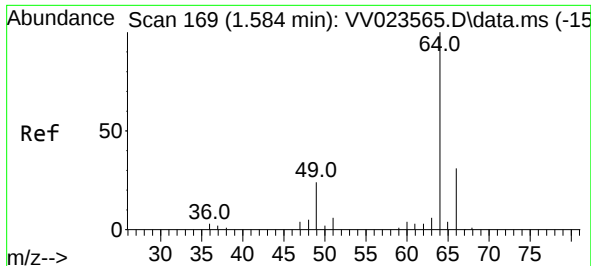
Tgt Ion: 62 Resp: 43817
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.1 42.9



#6
 Bromomethane
 Concen: 2.166 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

Tgt Ion: 94 Resp: 14361
 Ion Ratio Lower Upper
 94 100
 96 95.5 65.0 120.8

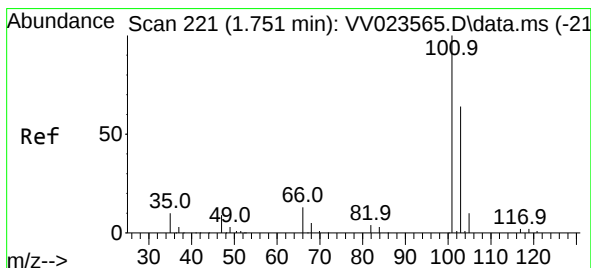
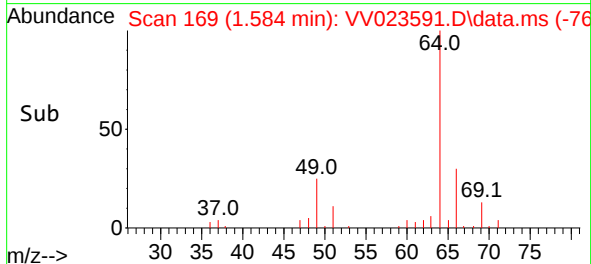
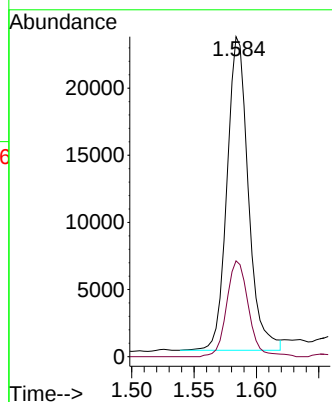
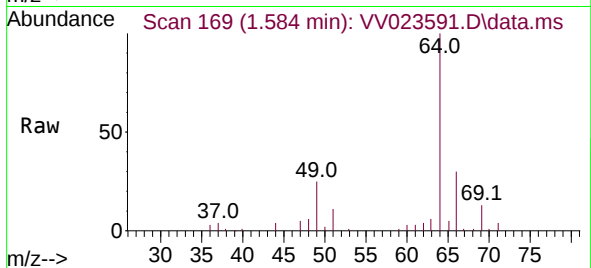




#8
Chloroethane
Concen: 4.645 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

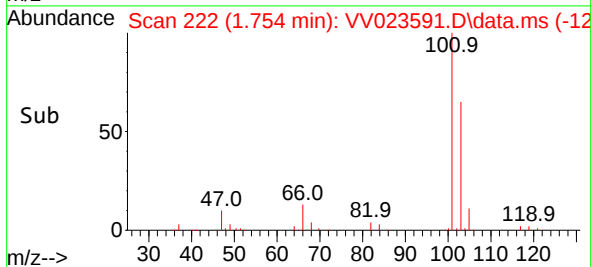
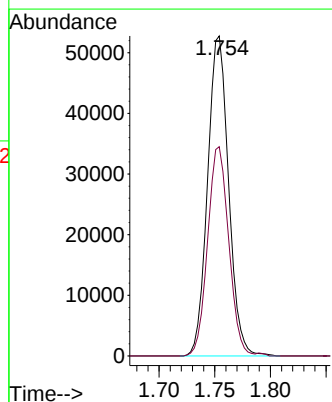
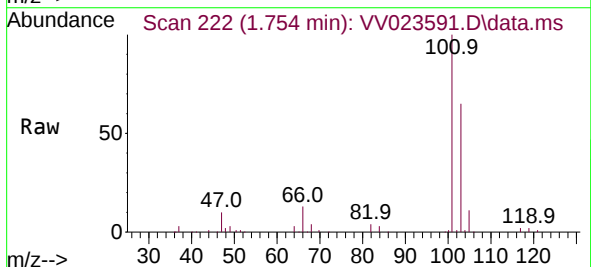
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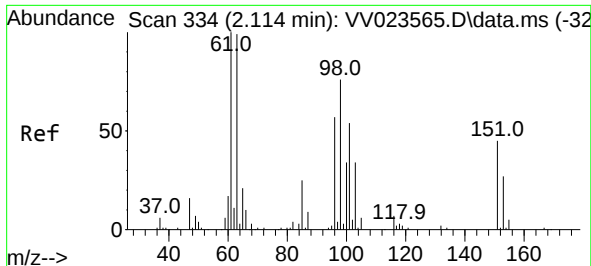
Tgt Ion: 64 Resp: 27804
Ion Ratio Lower Upper
64 100
66 29.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.441 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion:101 Resp: 69215
Ion Ratio Lower Upper
101 100
103 65.6 52.6 79.0

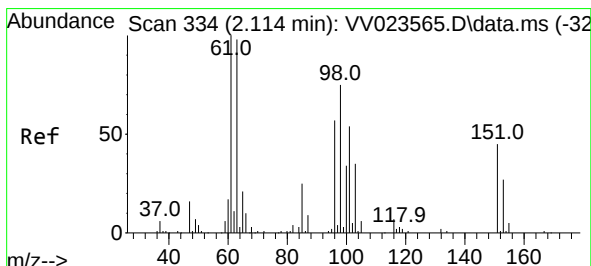
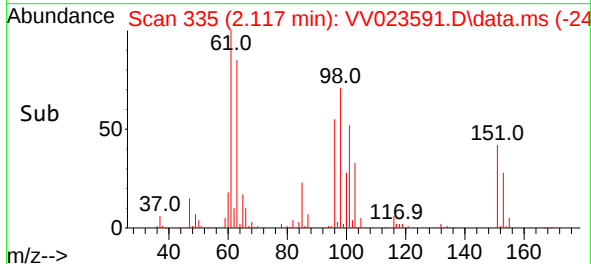
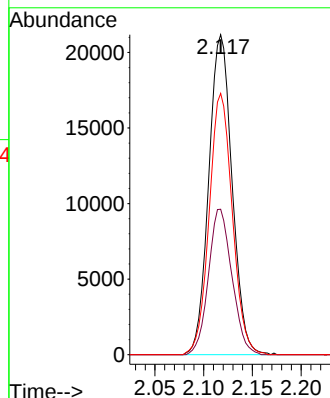
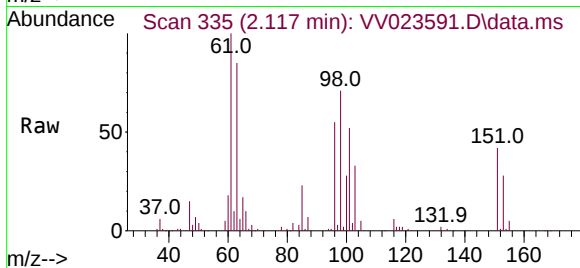




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.492 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

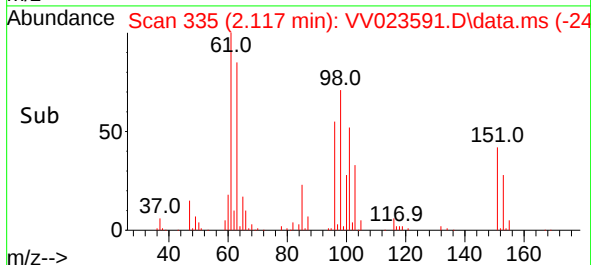
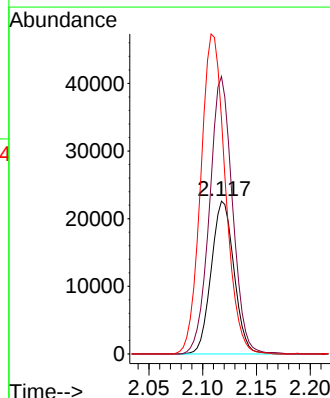
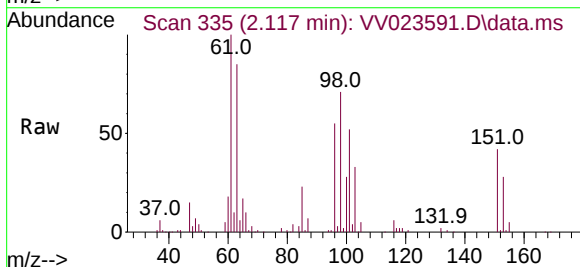
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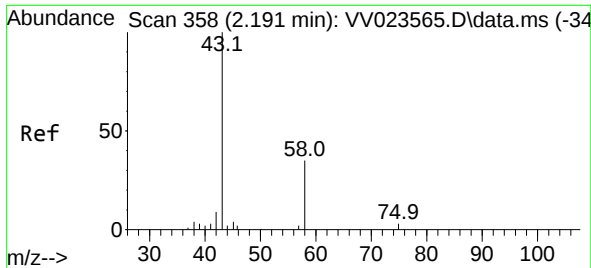
Tgt Ion:101 Resp: 35246
Ion Ratio Lower Upper
101 100
85 45.7 35.3 52.9
151 81.2 62.2 93.2



#12
1,1-Dichloroethene
Concen: 4.453 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion: 96 Resp: 33266
Ion Ratio Lower Upper
96 100
61 181.7 121.5 225.7
63 154.2 99.6 185.0





#13

Acetone

Concen: 43.693 ug/L

RT: 2.191 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

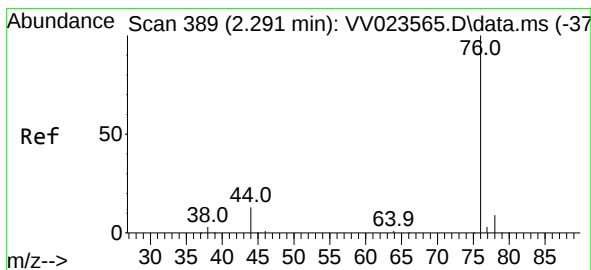
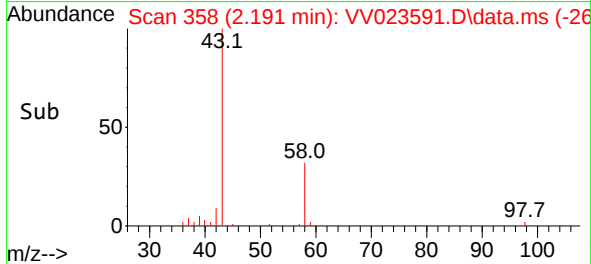
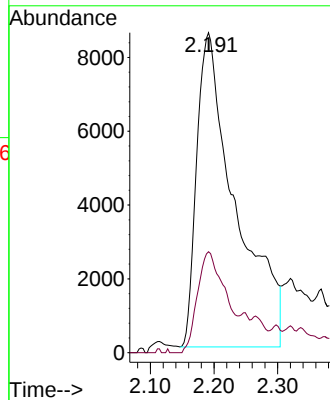
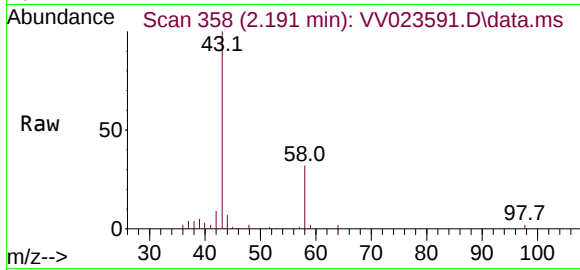
VSTD005361

Tgt Ion: 43 Resp: 36100

Ion Ratio Lower Upper

43 100

58 22.9 0.0 55.4



#14

Carbon disulfide

Concen: 3.773 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV023591.D

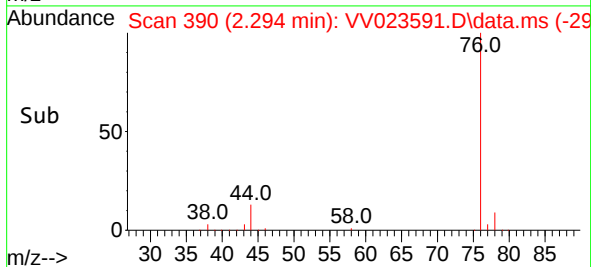
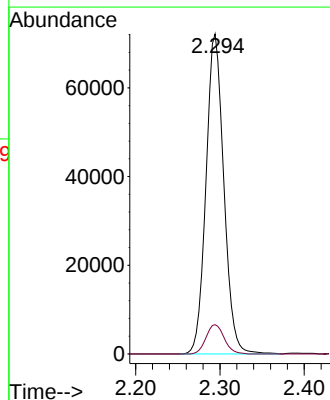
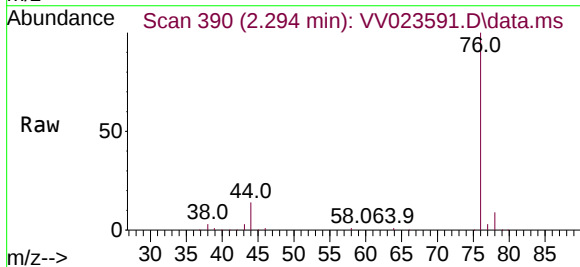
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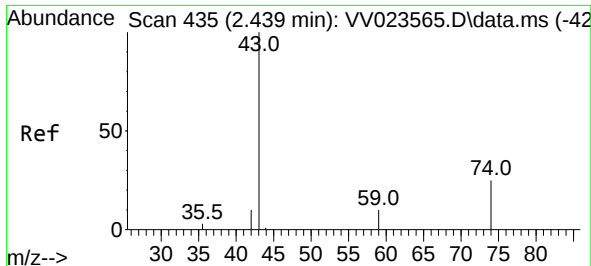
Tgt Ion: 76 Resp: 106364

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 3.831 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

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MSVOA_V

ClientSampleId :

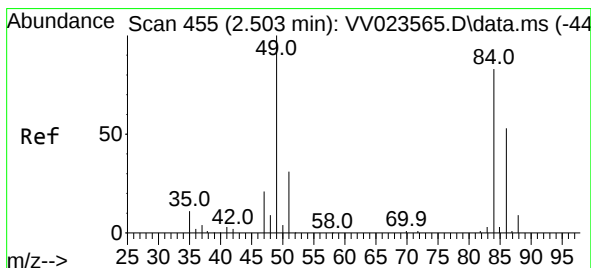
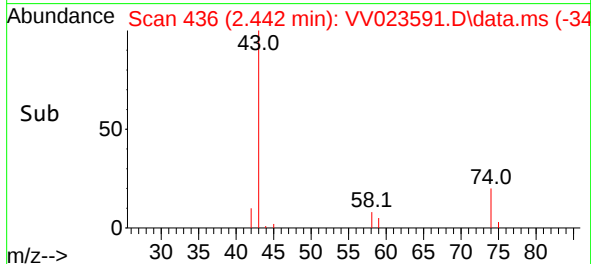
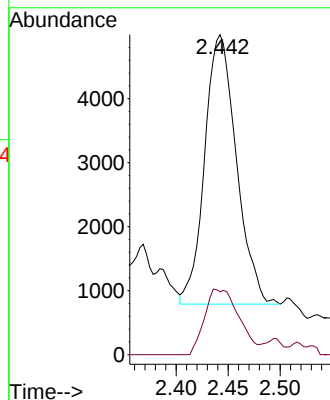
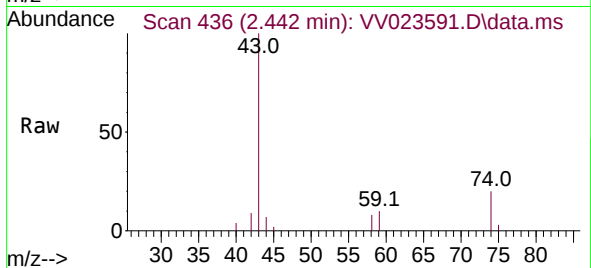
VSTD005361

Tgt Ion: 43 Resp: 8959

Ion Ratio Lower Upper

43 100

74 26.5 22.2 33.2



#16

Methylene chloride

Concen: 3.625 ug/L

RT: 2.506 min Scan# 456

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

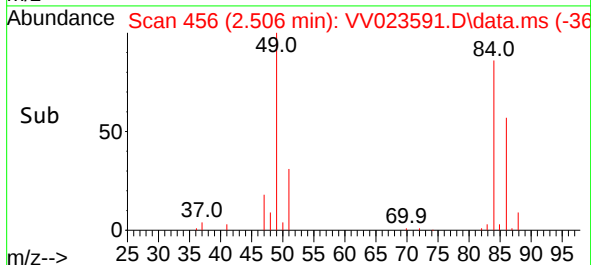
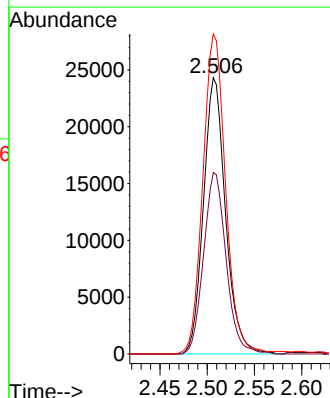
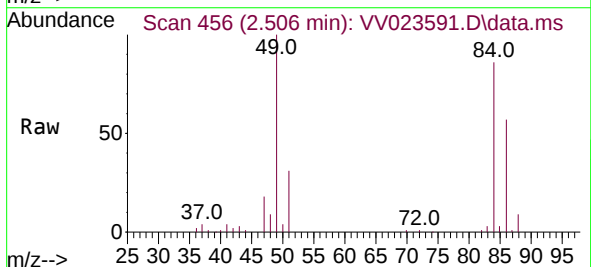
Tgt Ion: 84 Resp: 39524

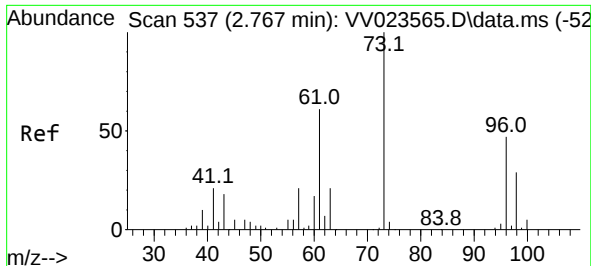
Ion Ratio Lower Upper

84 100

86 65.7 42.3 78.5

49 115.8 79.7 148.1

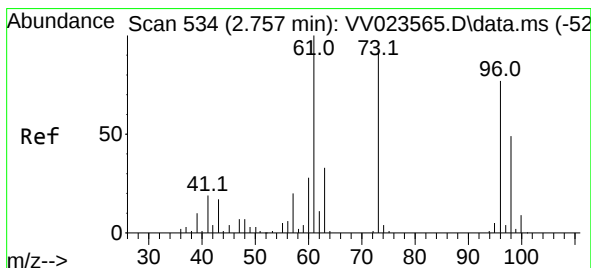
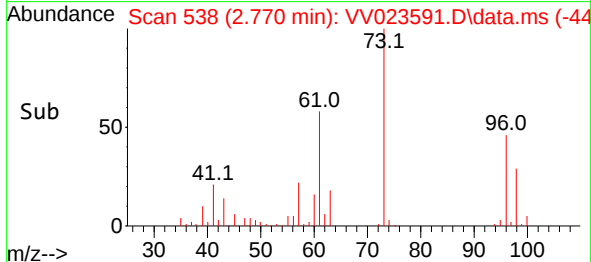
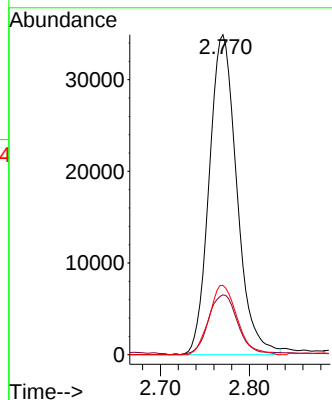
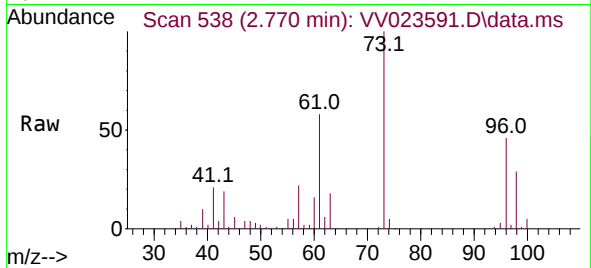




#17
Methyl tert-butyl Ether
Concen: 4.572 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

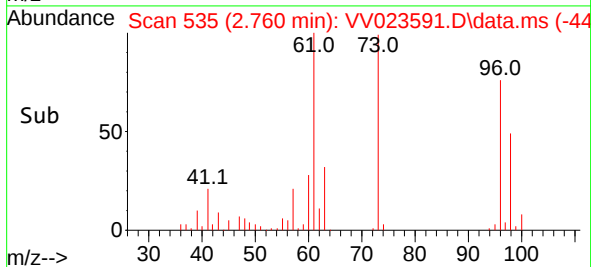
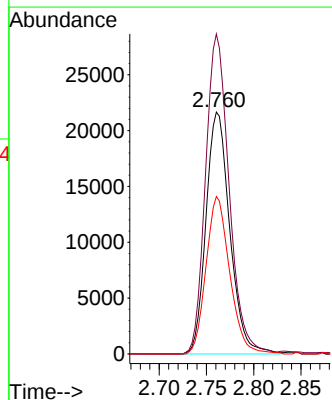
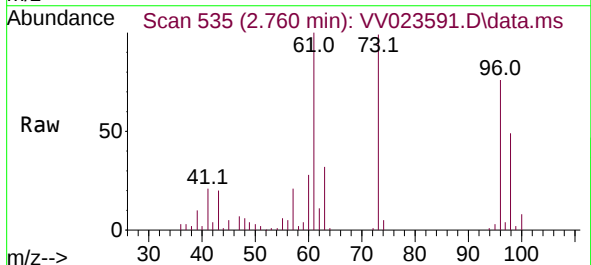
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

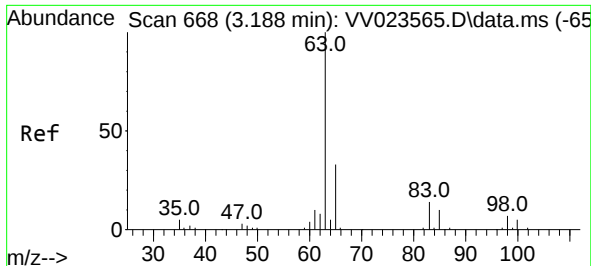
Tgt Ion: 73 Resp: 75195
Ion Ratio Lower Upper
73 100
43 20.6 17.4 26.0
57 22.0 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 4.140 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion: 96 Resp: 38020
Ion Ratio Lower Upper
96 100
61 132.3 93.2 173.2
98 65.1 47.0 87.2





#19

1,1-Dichloroethane

Concen: 4.324 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

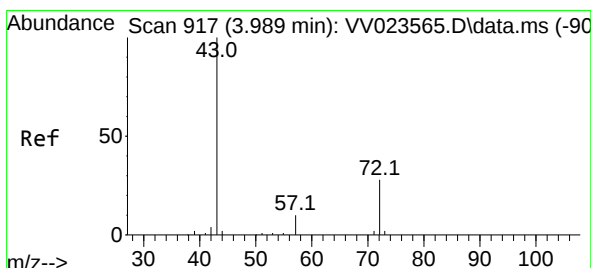
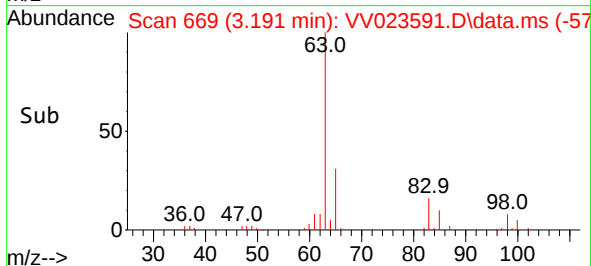
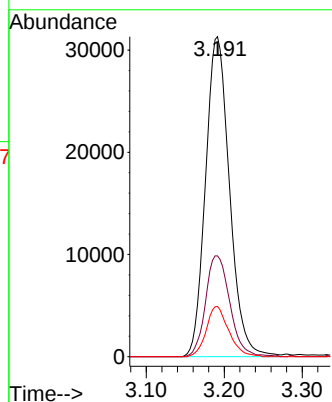
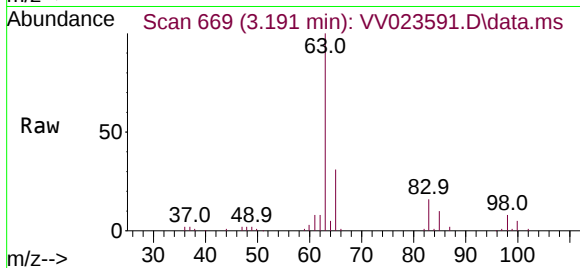
Tgt Ion: 63 Resp: 67052

Ion Ratio Lower Upper

63 100

65 31.5 22.6 42.0

83 15.7 11.1 20.7



#21

2-Butanone

Concen: 38.687 ug/L

RT: 3.985 min Scan# 916

Delta R.T. -0.003 min

Lab File: VV023591.D

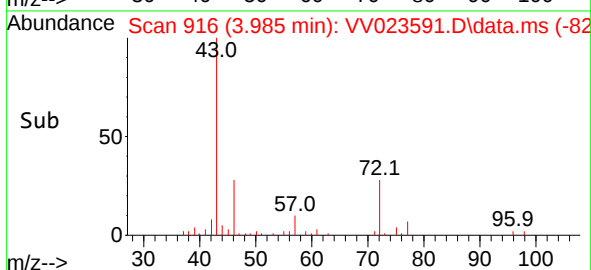
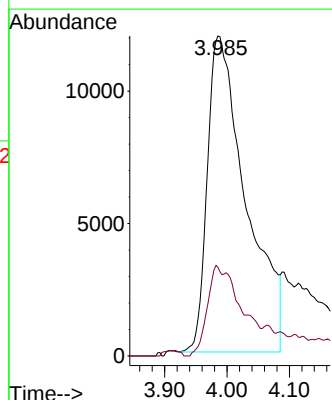
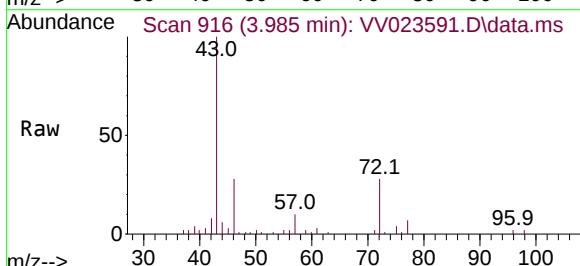
Acq: 17 Nov 2021 23:46

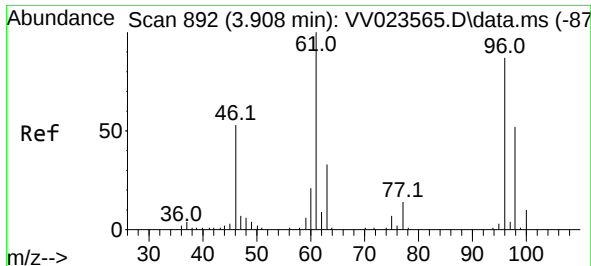
Tgt Ion: 43 Resp: 51678

Ion Ratio Lower Upper

43 100

72 25.1 11.9 35.9

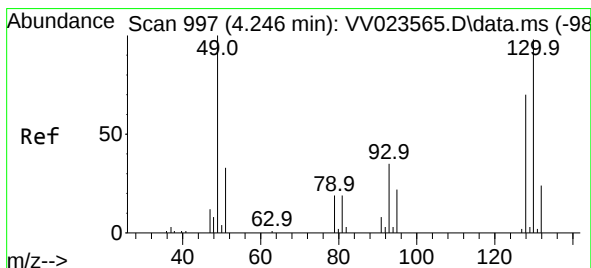
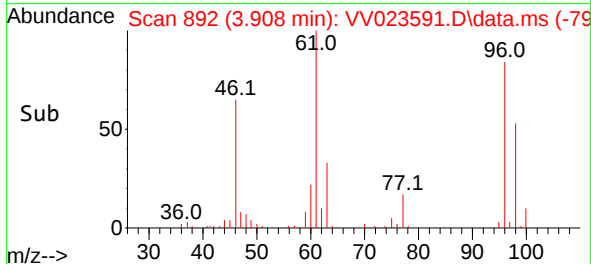
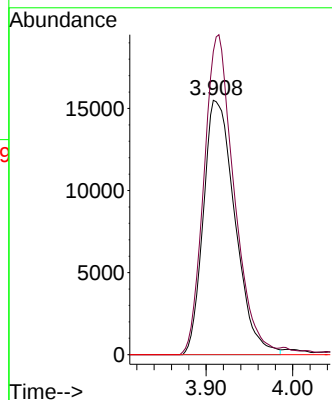
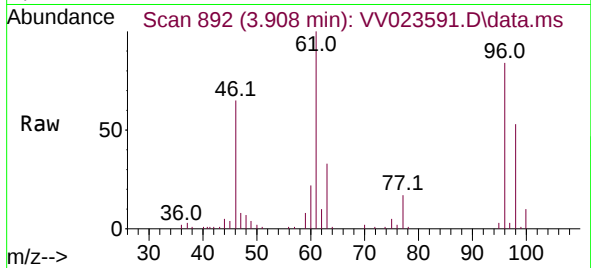




#22
 cis-1,2-Dichloroethene
 Concen: 4.448 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. 0.000 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

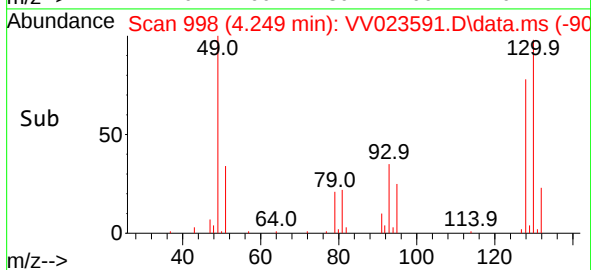
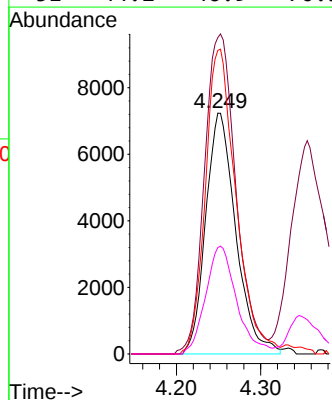
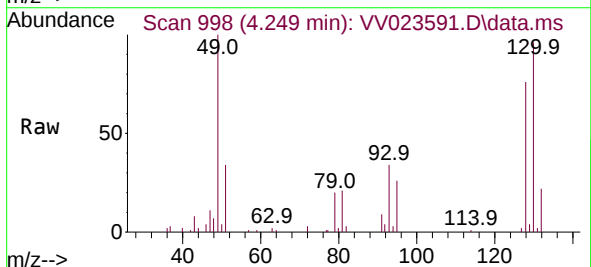
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

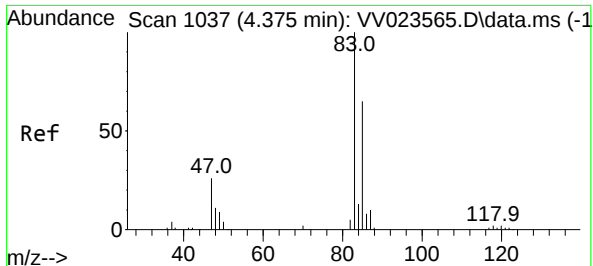
Tgt Ion: 96 Resp: 39311
 Ion Ratio Lower Upper
 96 100
 61 119.2 92.3 171.3
 68 0.0 0.4 0.8#



#23
 Bromochloromethane
 Concen: 4.407 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.003 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

Tgt Ion: 128 Resp: 17963
 Ion Ratio Lower Upper
 128 100
 49 131.4 126.1 234.3
 130 126.1 95.2 176.8
 51 44.2 46.9 70.3#





#25

Chloroform

Concen: 4.545 ug/L

RT: 4.378 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

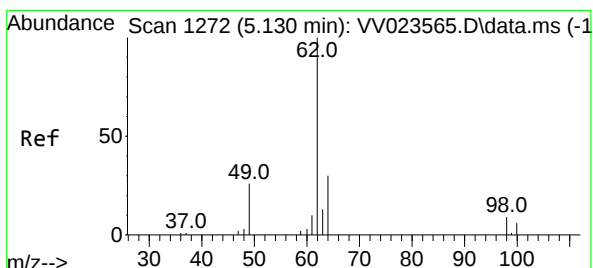
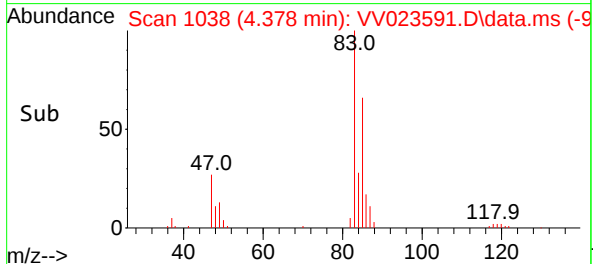
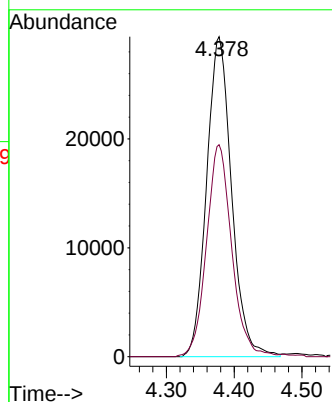
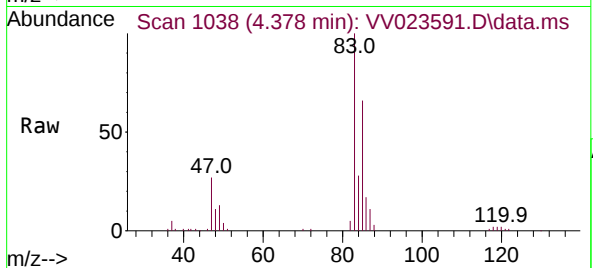
VSTD005361

Tgt Ion: 83 Resp: 75123

Ion Ratio Lower Upper

83 100

85 66.2 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.547 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV023591.D

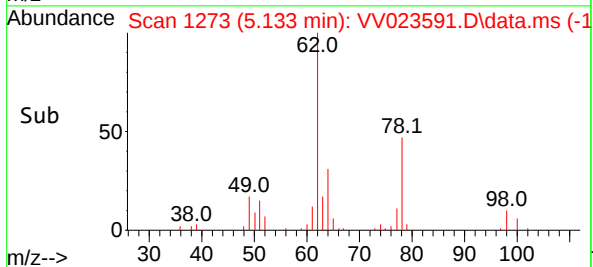
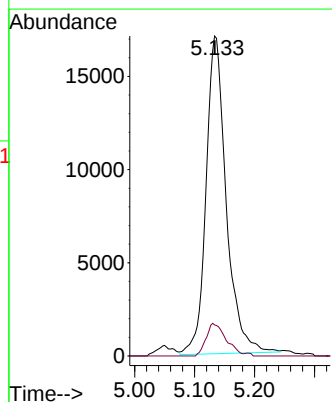
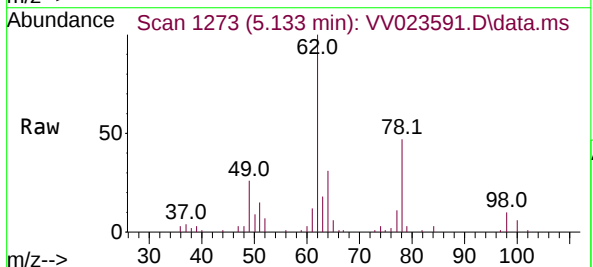
Acq: 17 Nov 2021 23:46

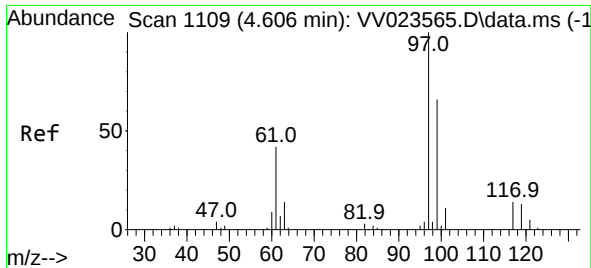
Tgt Ion: 62 Resp: 39980

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.592 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

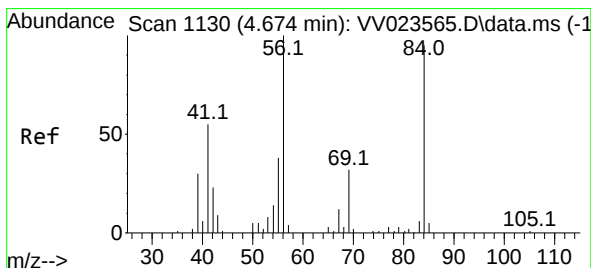
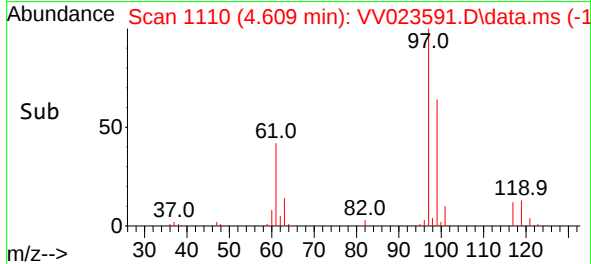
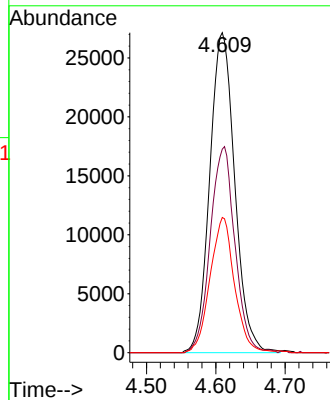
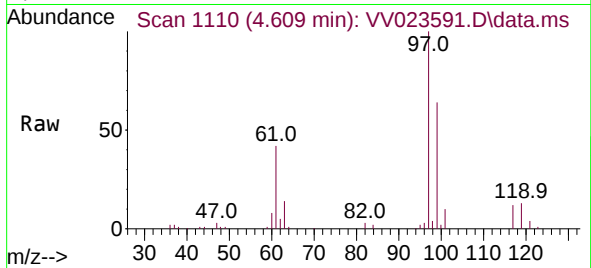
Tgt Ion: 97 Resp: 68177

Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.4

61 41.3 34.1 51.1



#30

Cyclohexane

Concen: 4.018 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

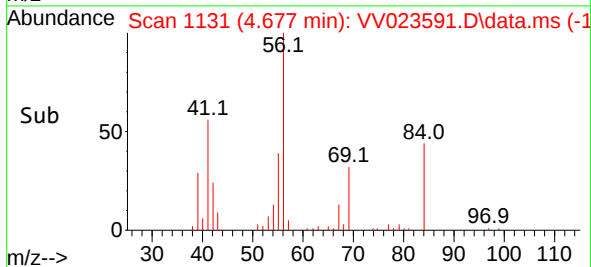
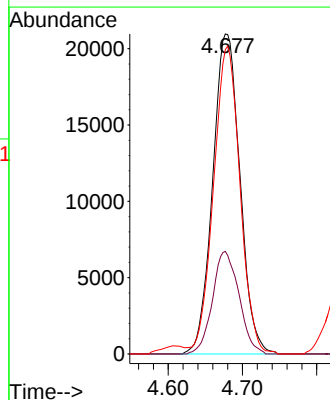
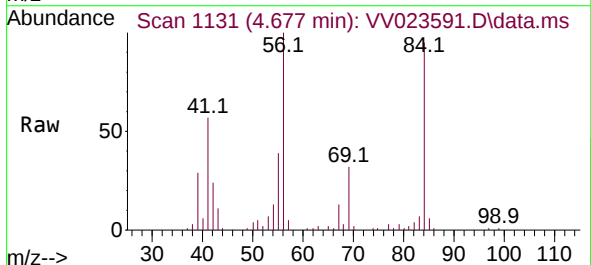
Tgt Ion: 56 Resp: 53461

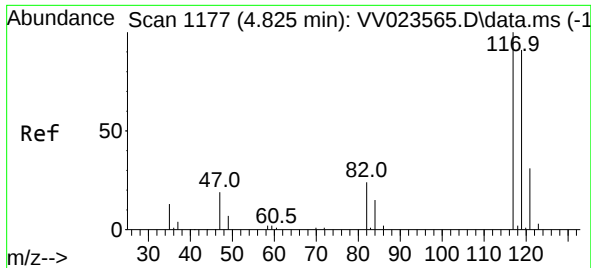
Ion Ratio Lower Upper

56 100

69 31.2 23.5 35.3

84 93.4 71.6 107.4

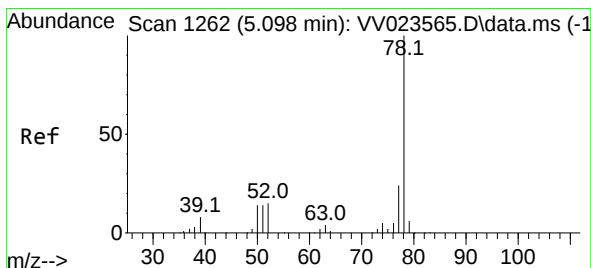
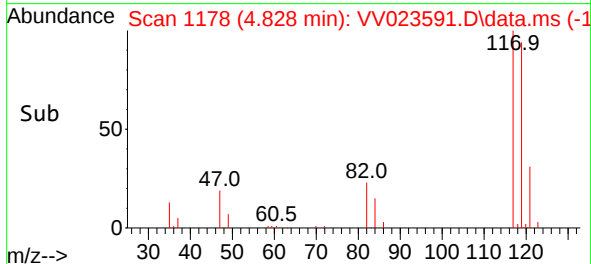
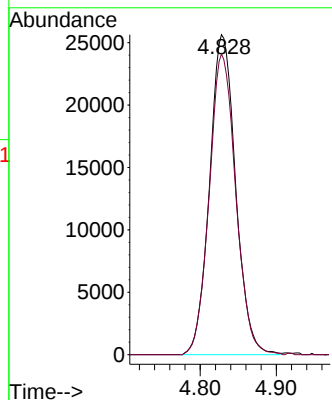
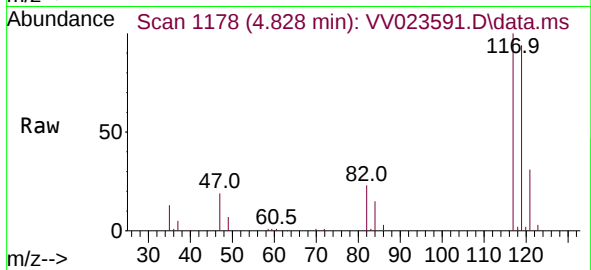




#31
Carbon tetrachloride
Concen: 4.579 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

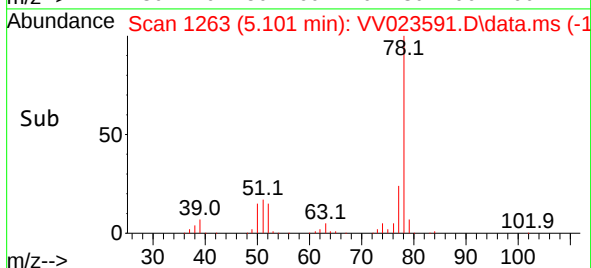
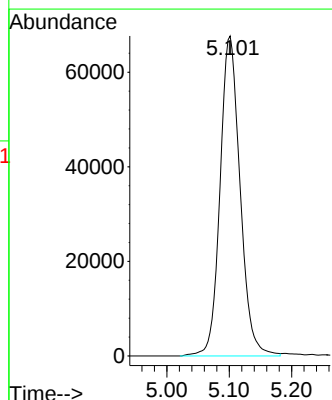
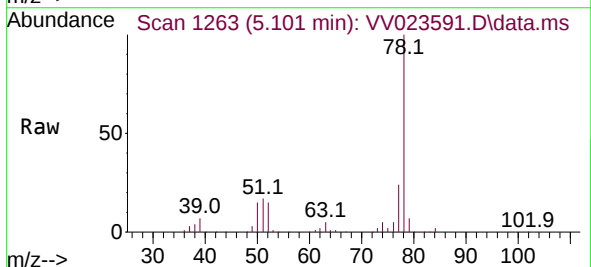
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

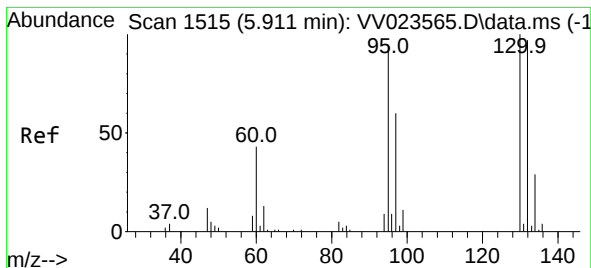
Tgt Ion:117 Resp: 61058
Ion Ratio Lower Upper
117 100
119 95.4 78.8 118.2



#33
Benzene
Concen: 4.415 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion: 78 Resp: 150848





#34

Trichloroethene

Concen: 4.412 ug/L

RT: 5.915 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

Tgt Ion: 95 Resp: 40093

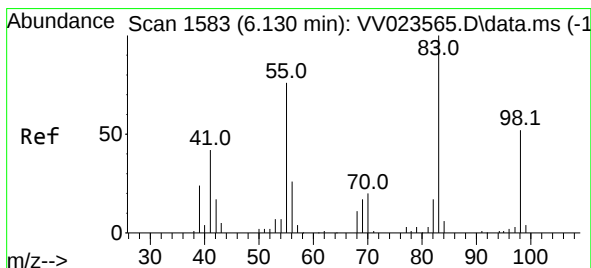
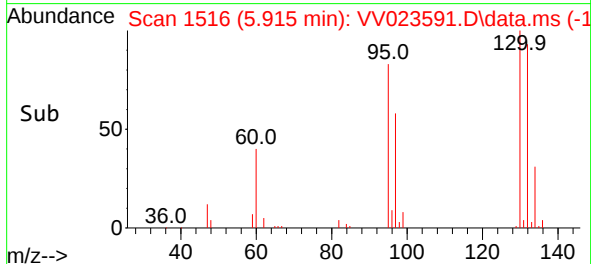
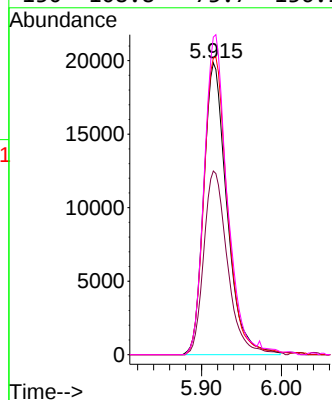
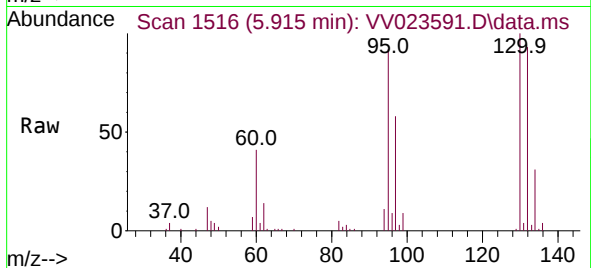
Ion Ratio Lower Upper

95 100

97 62.9 45.0 83.6

132 101.6 69.7 129.4

130 108.8 73.7 136.9



#35

Methylcyclohexane

Concen: 4.090 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

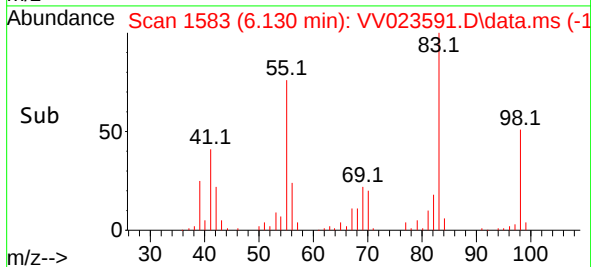
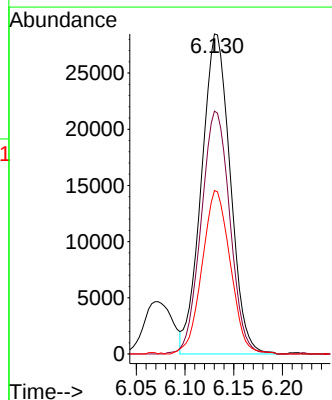
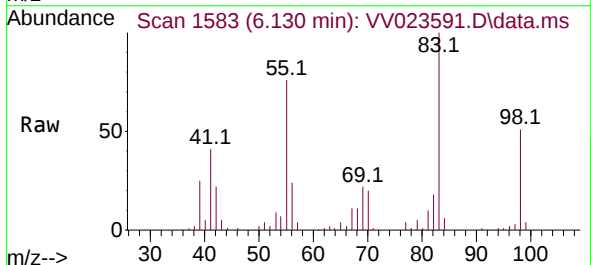
Tgt Ion: 83 Resp: 58658

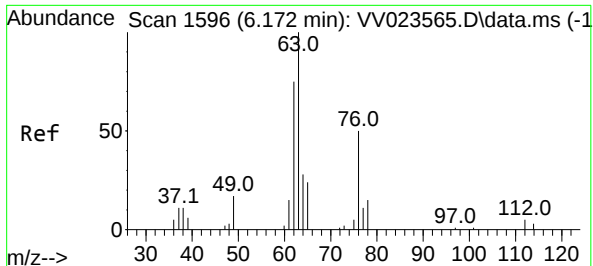
Ion Ratio Lower Upper

83 100

55 75.7 62.8 94.2

98 49.9 37.9 56.9





#37

1,2-Dichloropropane

Concen: 4.297 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

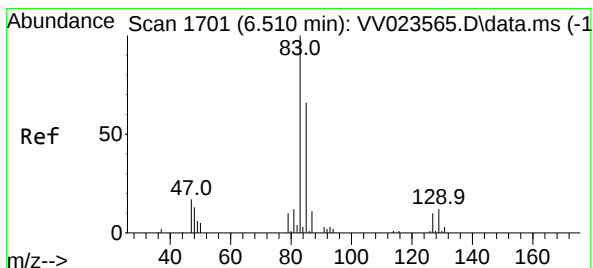
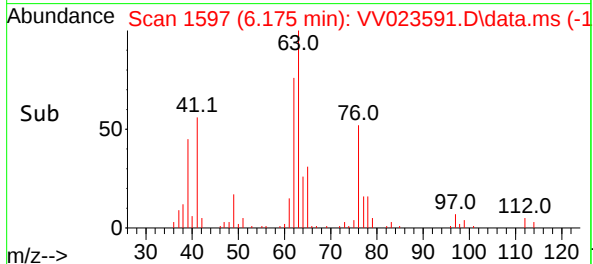
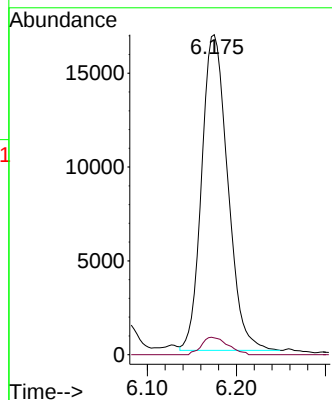
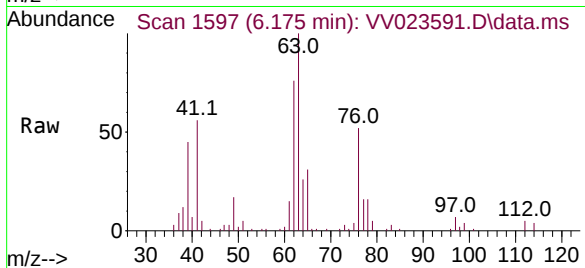
VSTD005361

Tgt Ion: 63 Resp: 34279

Ion Ratio Lower Upper

63 100

112 5.6 4.6 6.8



#38

Bromodichloromethane

Concen: 4.491 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

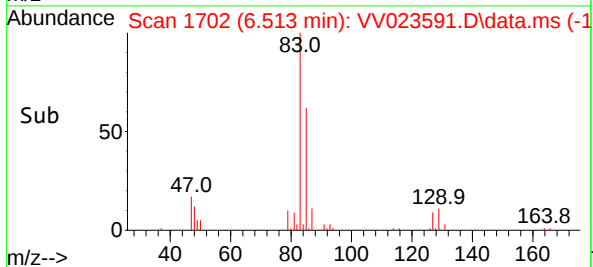
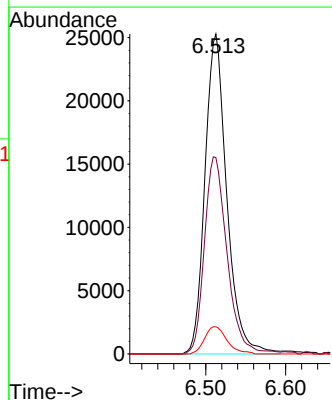
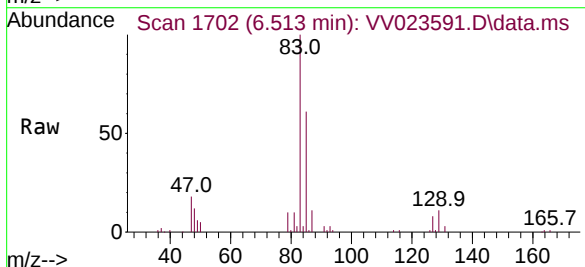
Tgt Ion: 83 Resp: 48004

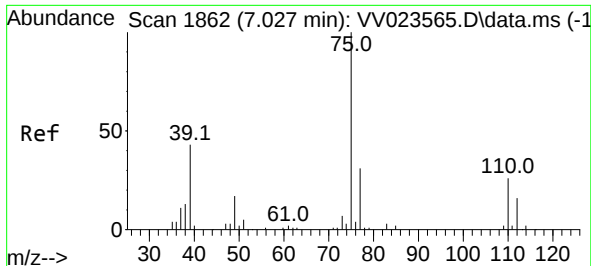
Ion Ratio Lower Upper

83 100

85 61.4 46.1 85.7

127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.283 ug/L

RT: 7.030 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

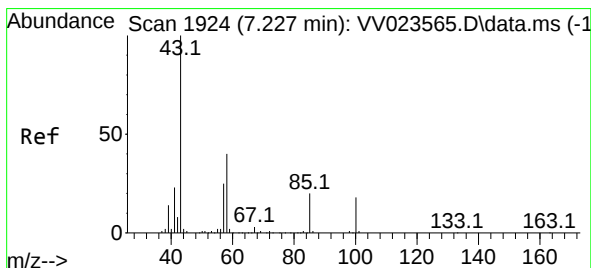
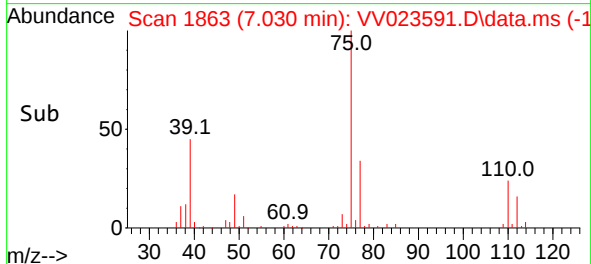
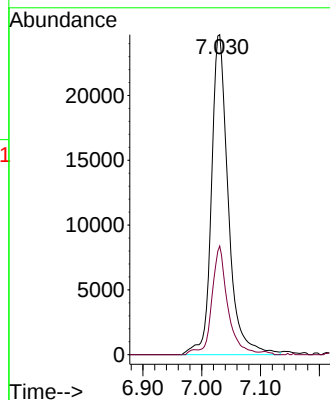
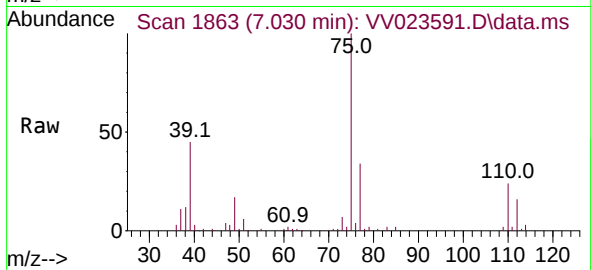
VSTD005361

Tgt Ion: 75 Resp: 49137

Ion Ratio Lower Upper

75 100

77 33.9 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 49.752 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

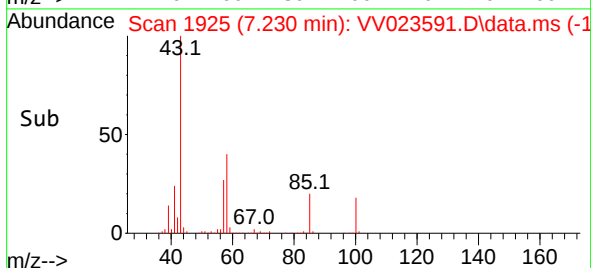
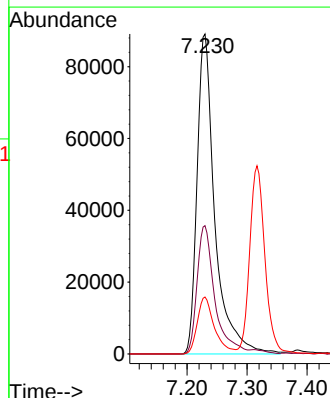
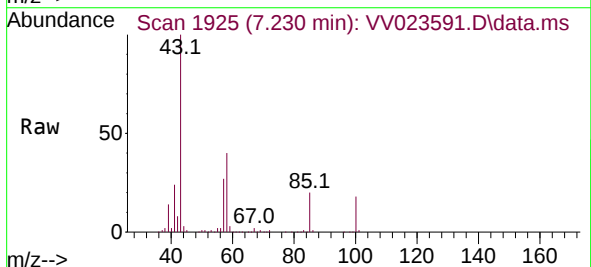
Tgt Ion: 43 Resp: 184065

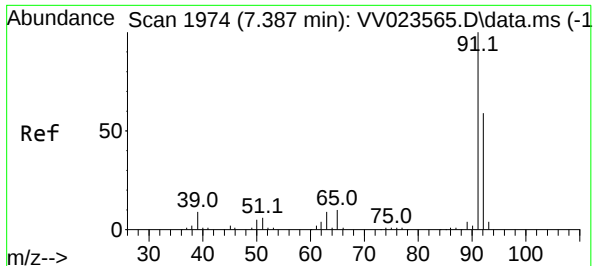
Ion Ratio Lower Upper

43 100

58 40.0 31.1 46.7

100 17.2 12.6 19.0





#42

Toluene

Concen: 4.575 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

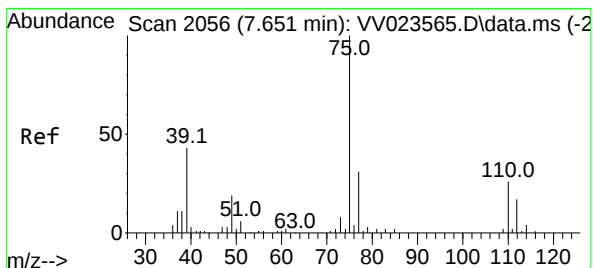
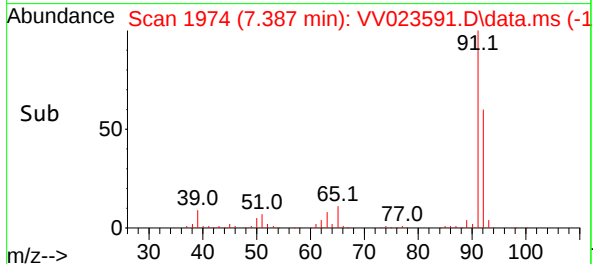
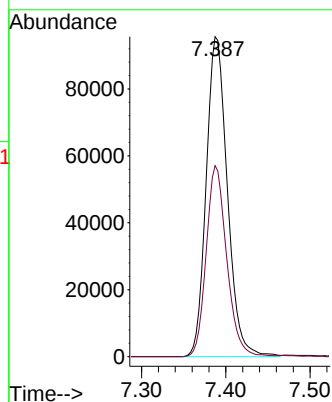
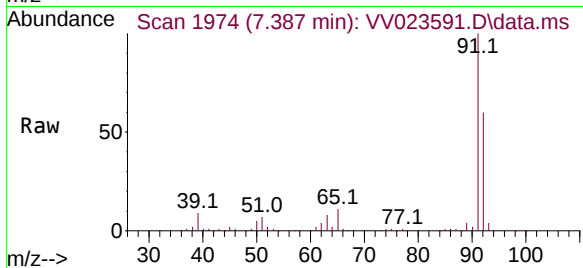
VSTD005361

Tgt Ion: 91 Resp: 167208

Ion Ratio Lower Upper

91 100

92 59.7 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 4.392 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV023591.D

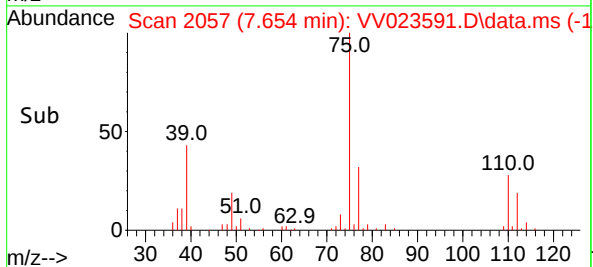
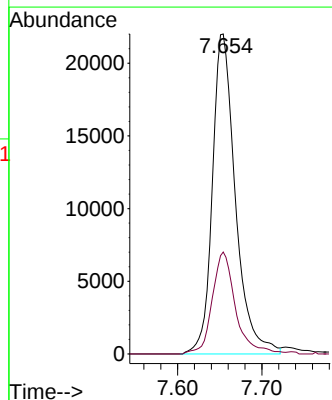
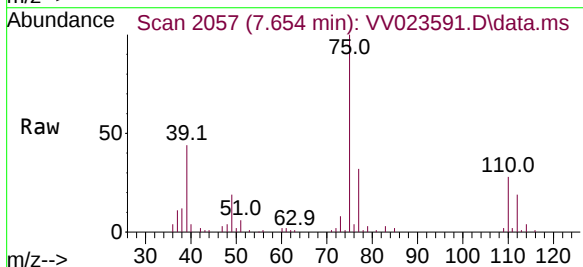
Acq: 17 Nov 2021 23:46

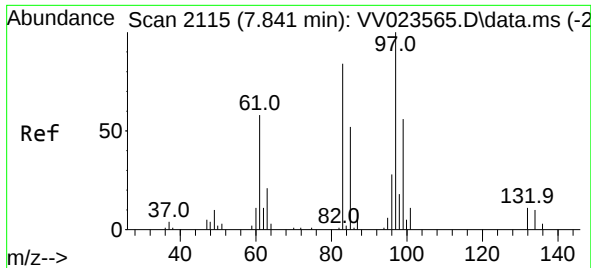
Tgt Ion: 75 Resp: 41812

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7

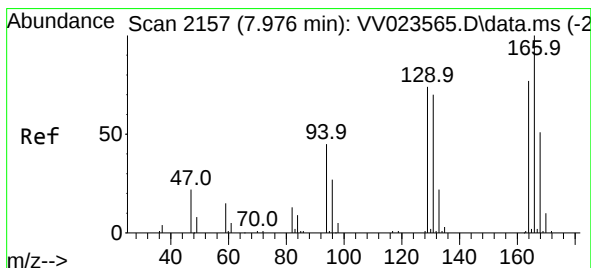
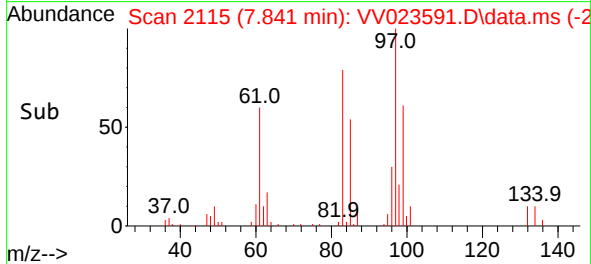
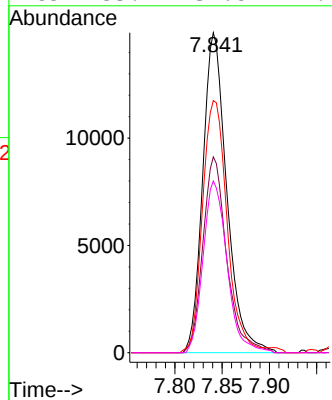
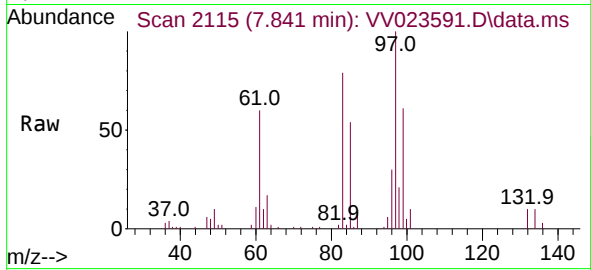




#45
1,1,2-Trichloroethane
Concen: 4.606 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

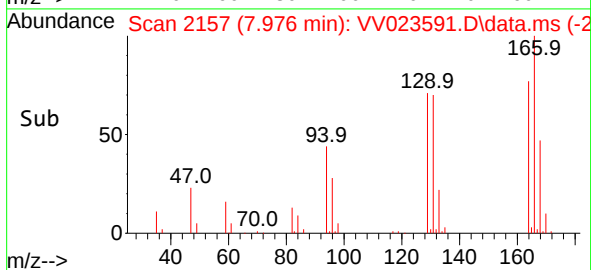
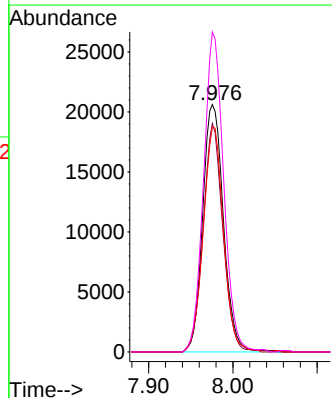
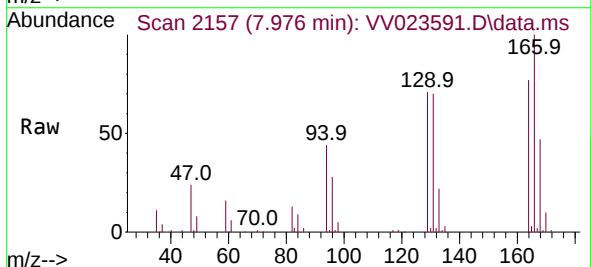
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

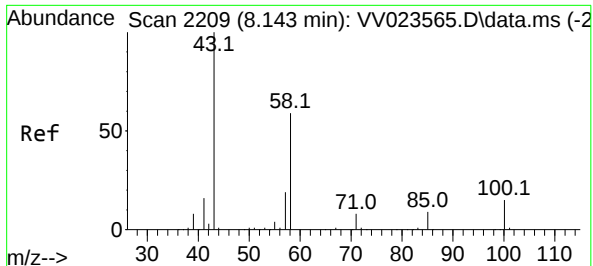
Tgt Ion:	97	Resp:	26401
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.6	81.0
83	78.8	58.4	108.4
85	53.7	39.8	74.0



#47
Tetrachloroethene
Concen: 4.495 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion:	164	Resp:	35398
Ion	Ratio	Lower	Upper
164	100		
129	92.3	64.0	119.0
131	90.8	63.4	117.8
166	129.3	89.3	165.9



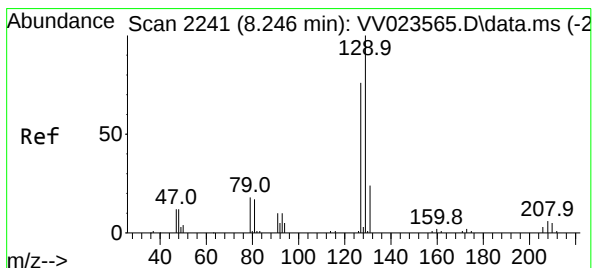
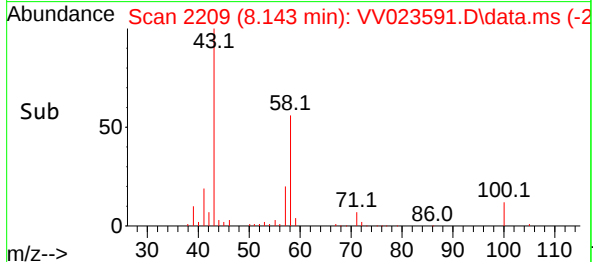
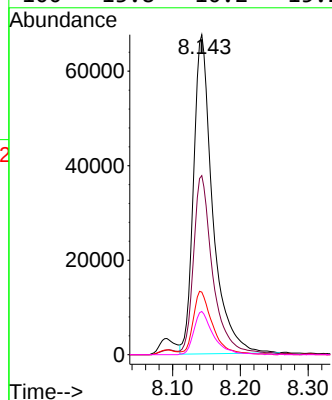
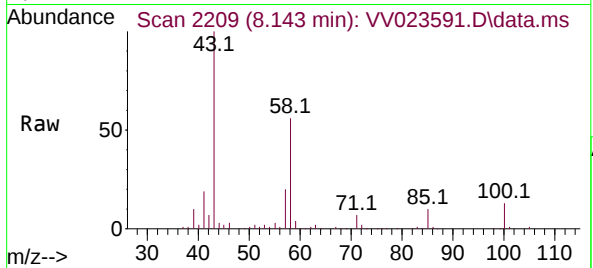


#48
2-Hexanone
Concen: 51.068 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

Tgt Ion: 43 Resp: 132389

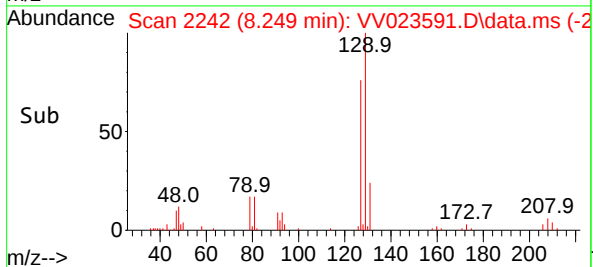
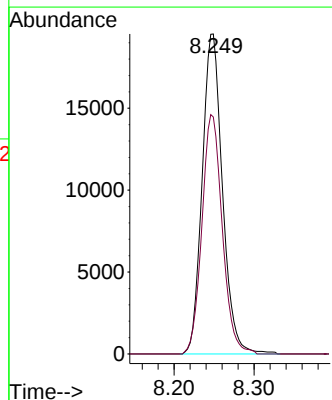
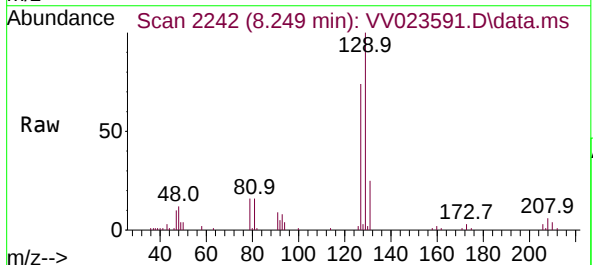
Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.7	65.5
57	19.6	14.1	21.1
100	13.8	10.2	15.2

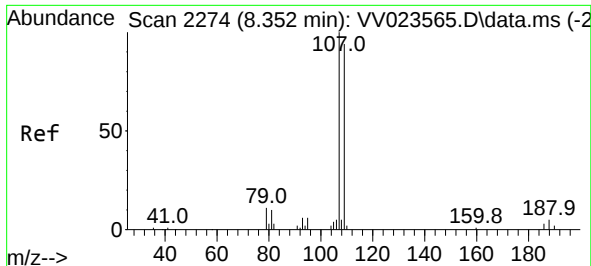


#49
Dibromochloromethane
Concen: 4.761 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion: 129 Resp: 34573

Ion	Ratio	Lower	Upper
129	100		
127	74.0	54.7	101.7





#50

1,2-Dibromoethane

Concen: 4.584 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

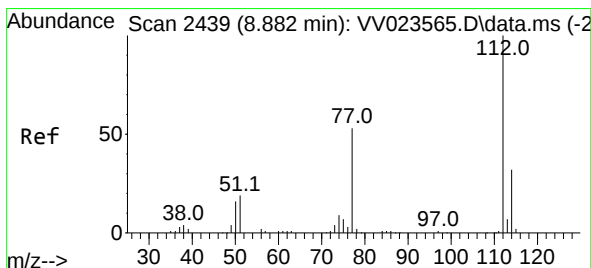
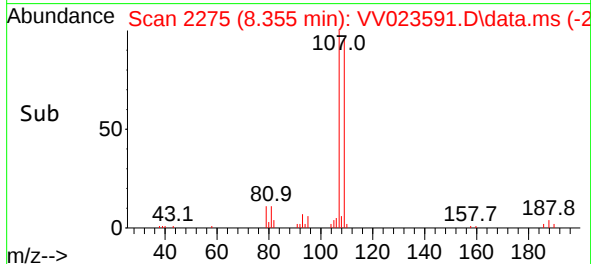
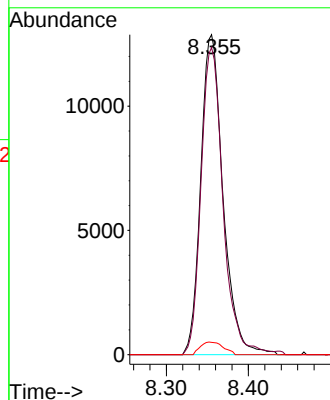
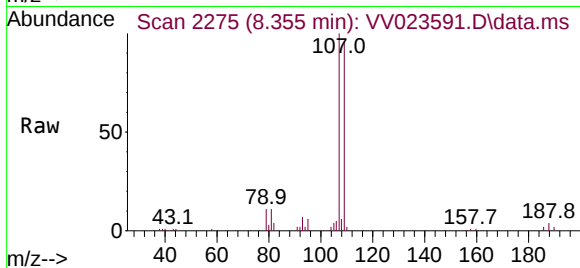
Tgt Ion:107 Resp: 24347

Ion Ratio Lower Upper

107 100

109 96.0 64.7 120.1

188 3.8 3.6 5.4



#51

Chlorobenzene

Concen: 4.407 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. 0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

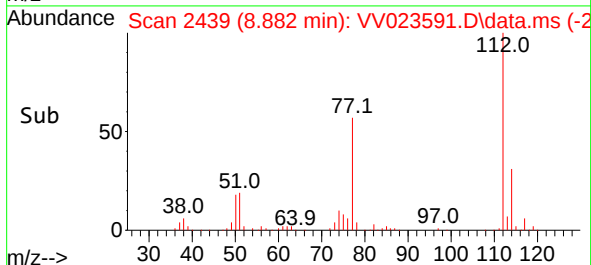
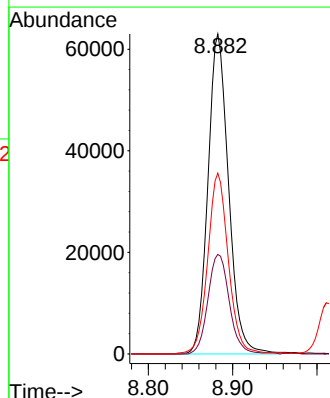
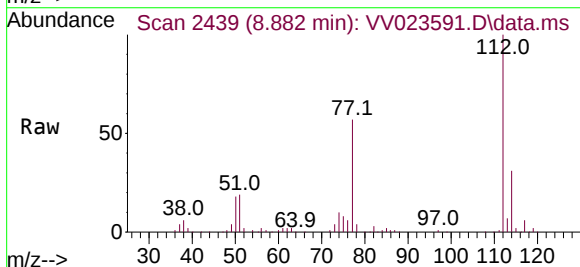
Tgt Ion:112 Resp: 107067

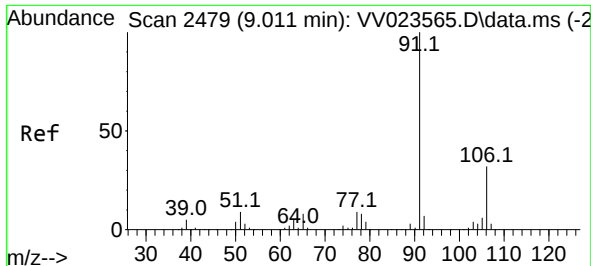
Ion Ratio Lower Upper

112 100

114 31.1 22.0 40.8

77 56.5 44.4 66.6





#52

Ethylbenzene

Concen: 4.426 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

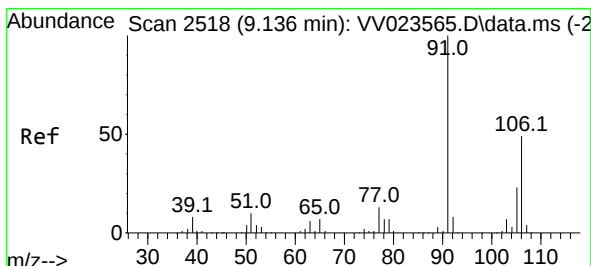
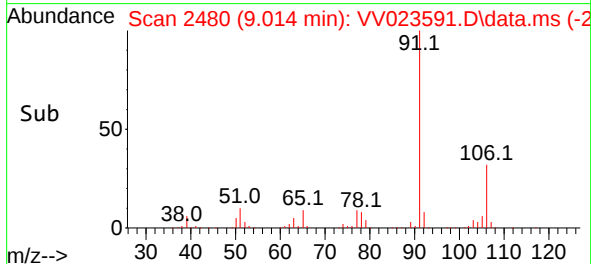
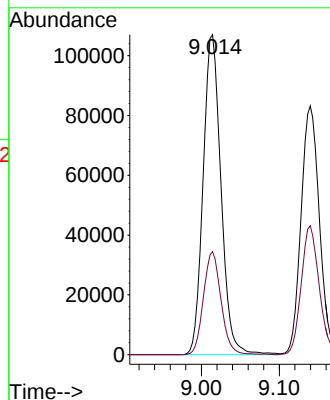
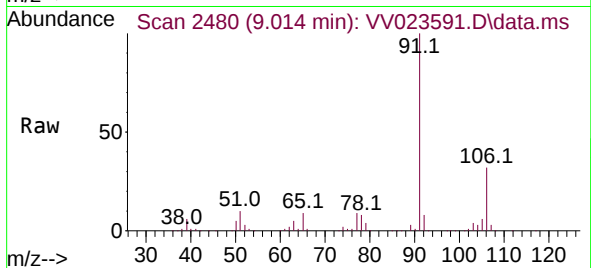
VSTD005361

Tgt Ion: 91 Resp: 170619

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



#53

m,p-xylene

Concen: 4.586 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023591.D

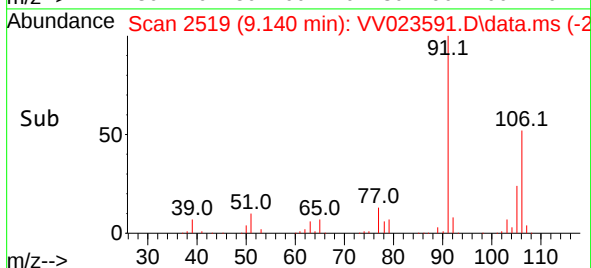
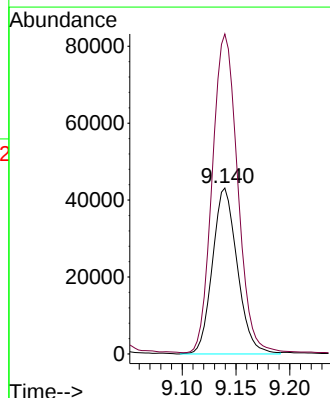
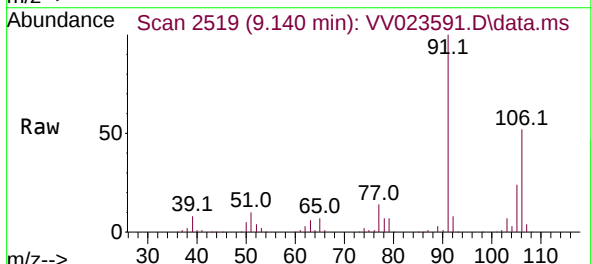
Acq: 17 Nov 2021 23:46

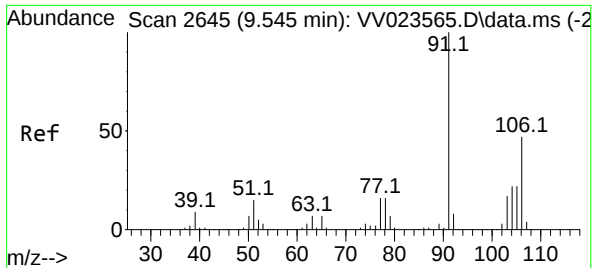
Tgt Ion: 106 Resp: 69380

Ion Ratio Lower Upper

106 100

91 192.9 137.2 254.8

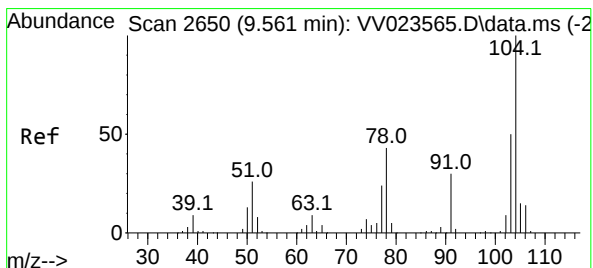
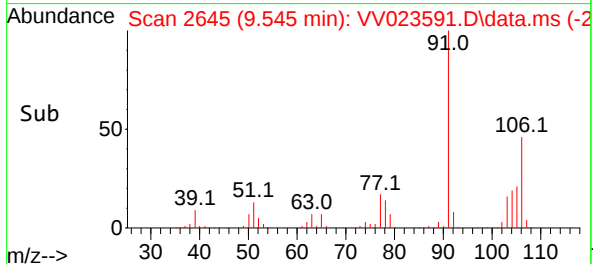
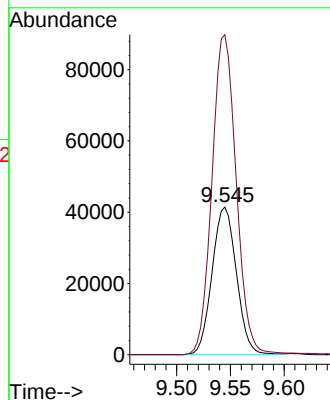
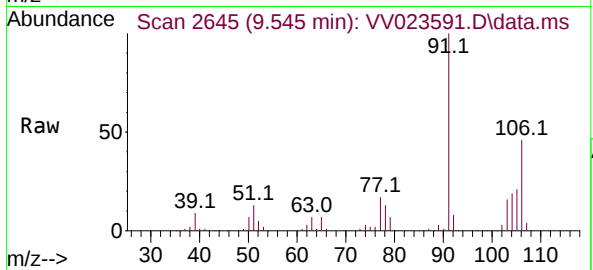




#54
o-xylene
Concen: 4.596 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

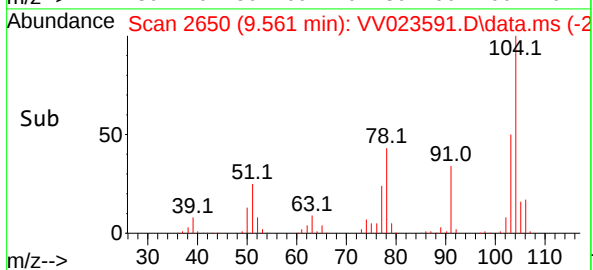
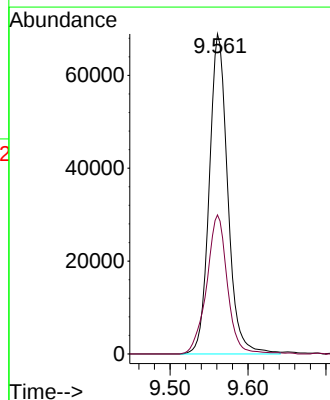
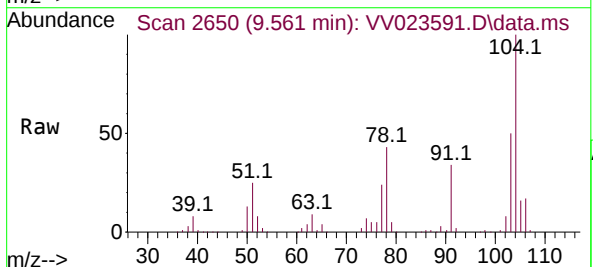
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

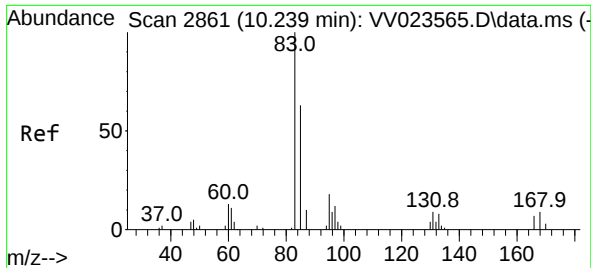
Tgt Ion:106 Resp: 65224
Ion Ratio Lower Upper
106 100
91 216.6 148.3 275.5



#55
Styrene
Concen: 4.667 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion:104 Resp: 113455
Ion Ratio Lower Upper
104 100
78 43.5 29.3 54.3

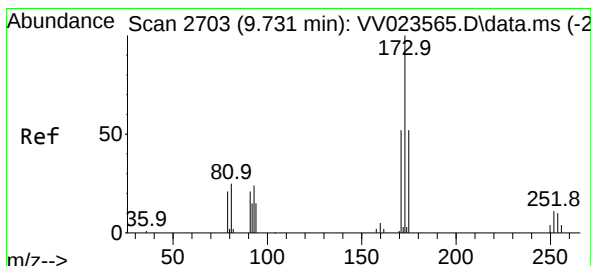
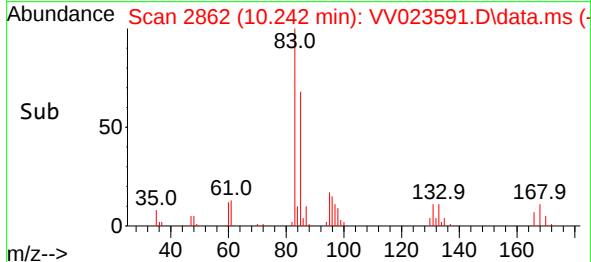
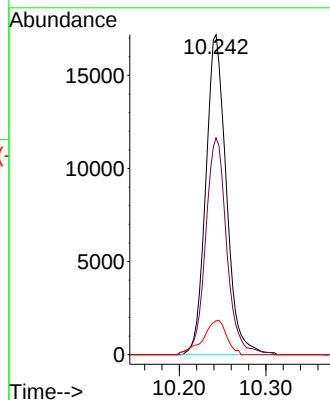
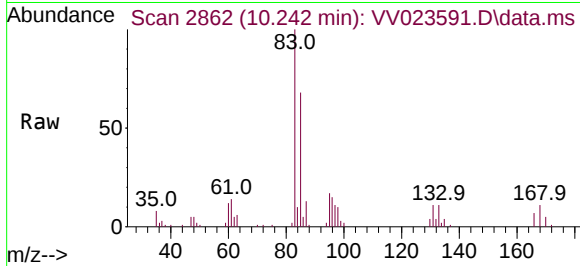




#57
1,1,2,2-Tetrachloroethane
Concen: 4.509 ug/L
RT: 10.242 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

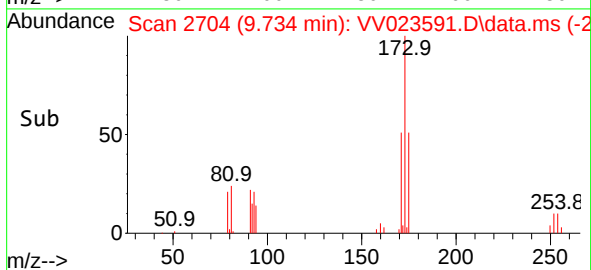
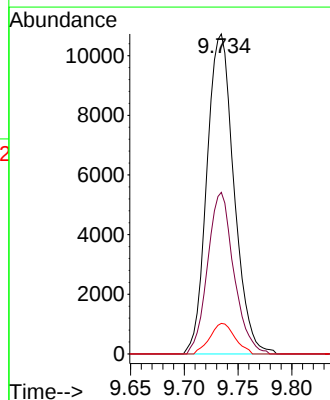
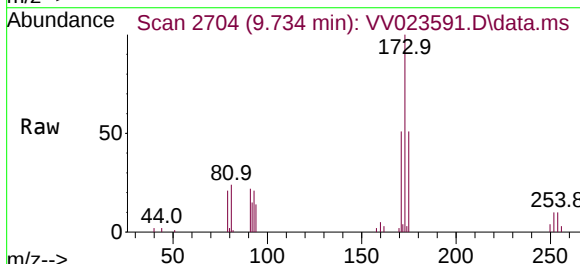
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

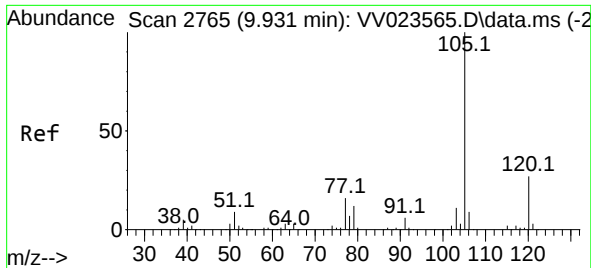
Tgt Ion: 83 Resp: 28317
Ion Ratio Lower Upper
83 100
85 67.7 45.1 83.9
131 10.6 7.8 11.6



#59
Bromoform
Concen: 4.639 ug/L
RT: 9.734 min Scan# 2704
Delta R.T. 0.003 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion: 173 Resp: 18748
Ion Ratio Lower Upper
173 100
175 48.9 38.2 57.2
254 8.8 6.2 9.2

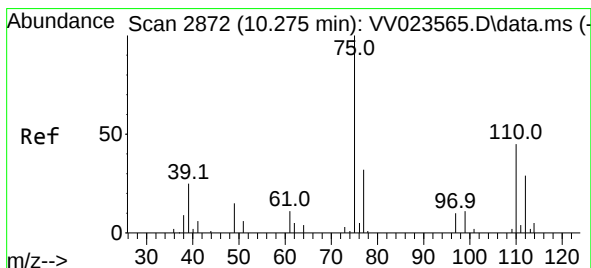
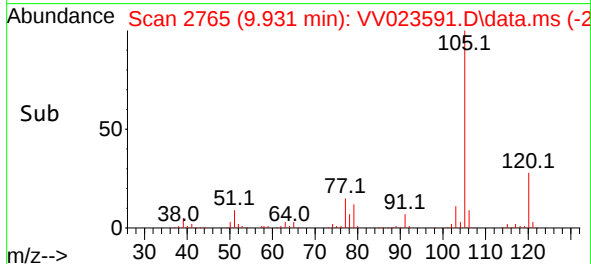
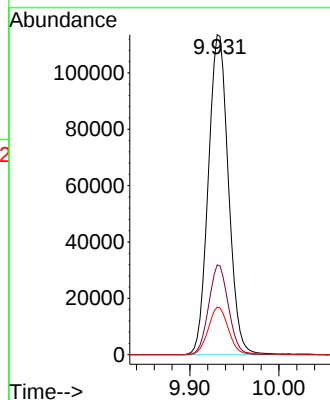
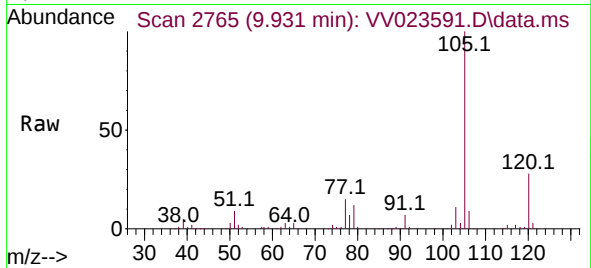




#60
Isopropylbenzene
Concen: 4.573 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

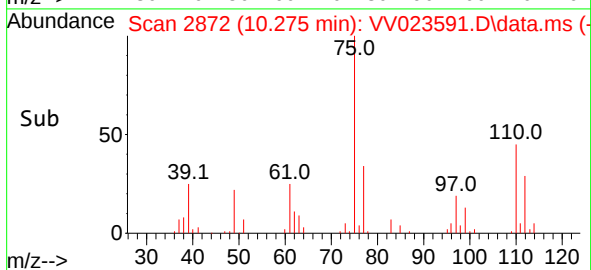
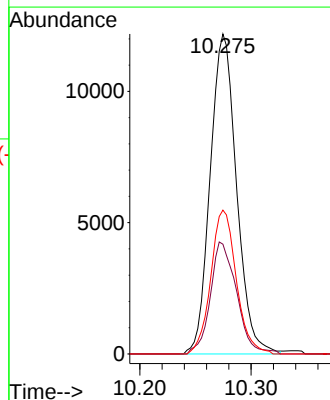
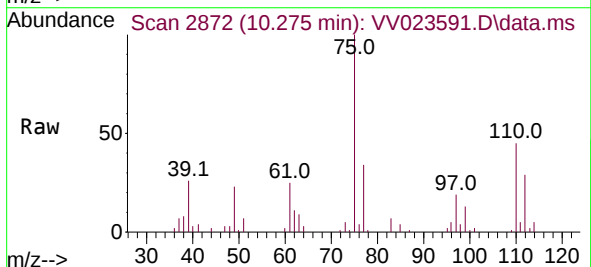
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

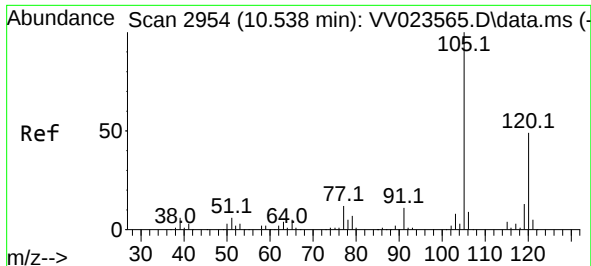
Tgt Ion:105 Resp: 177538
Ion Ratio Lower Upper
105 100
120 27.6 21.7 32.5
77 14.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.461 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. -0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion: 75 Resp: 20051
Ion Ratio Lower Upper
75 100
77 34.8 26.6 39.8
110 43.5 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.512 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

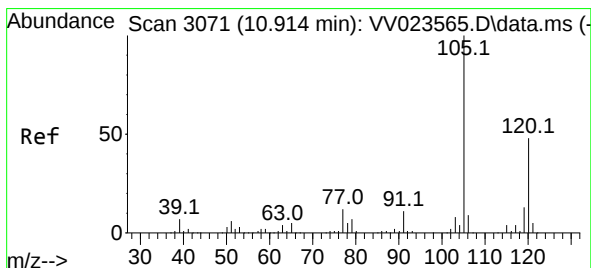
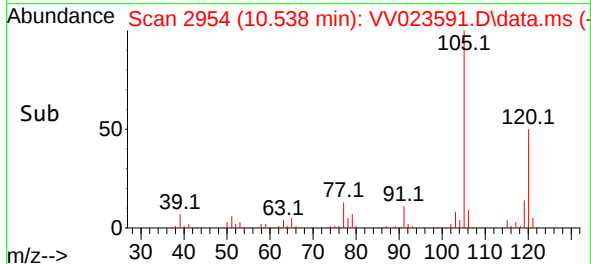
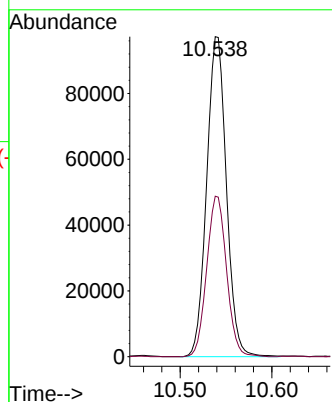
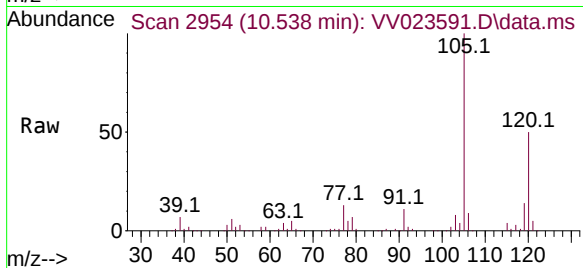
VSTD005361

Tgt Ion:105 Resp: 145253

Ion Ratio Lower Upper

105 100

120 50.5 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 4.573 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023591.D

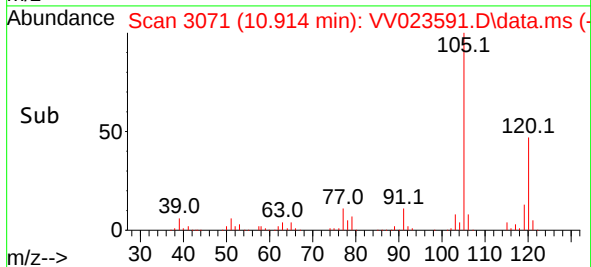
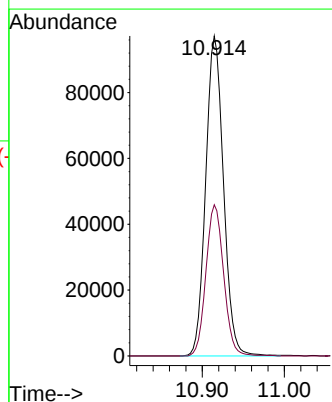
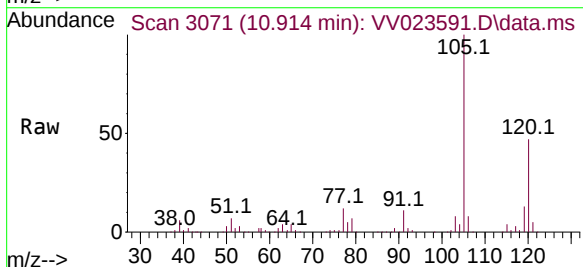
Acq: 17 Nov 2021 23:46

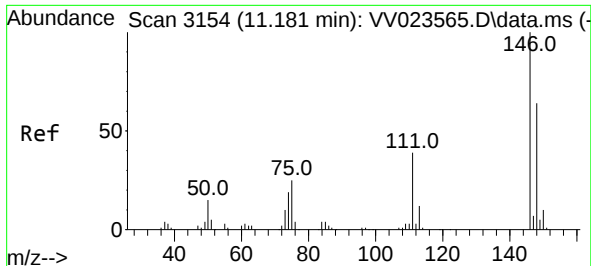
Tgt Ion:105 Resp: 146528

Ion Ratio Lower Upper

105 100

120 47.1 37.4 56.2

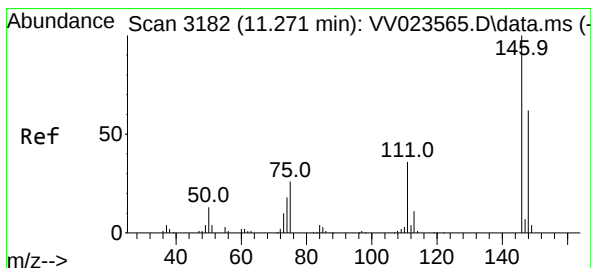
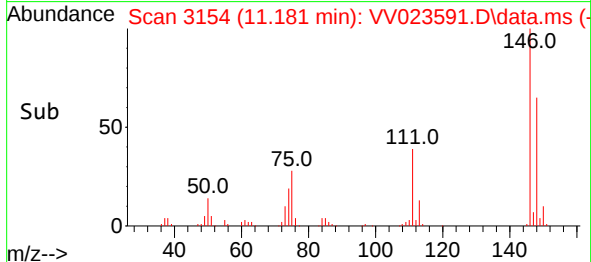
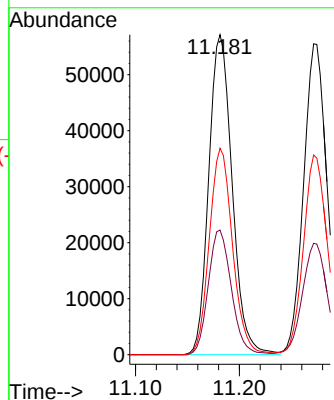
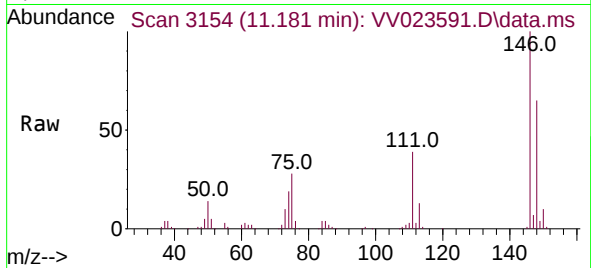




#64
1,3-Dichlorobenzene
Concen: 4.501 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

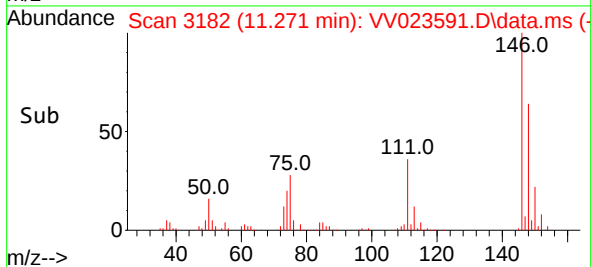
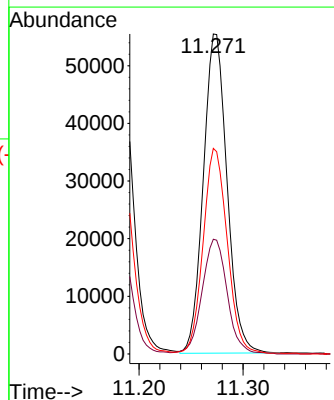
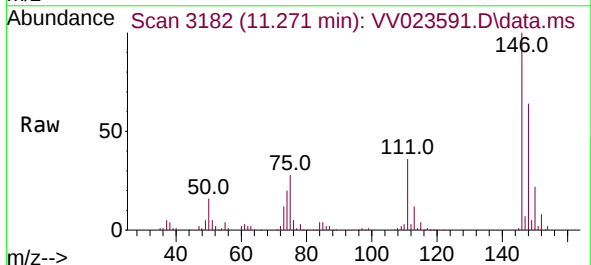
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

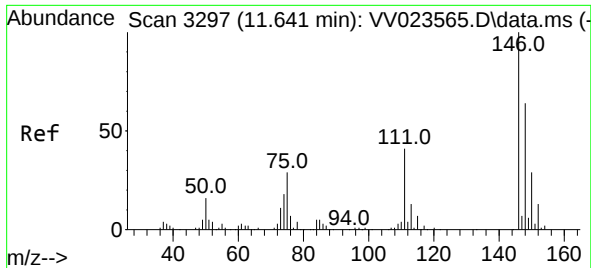
Tgt Ion:146 Resp: 89301
Ion Ratio Lower Upper
146 100
111 38.9 26.7 49.7
148 64.5 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 4.327 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023591.D
Acq: 17 Nov 2021 23:46

Tgt Ion:146 Resp: 87658
Ion Ratio Lower Upper
146 100
111 35.8 26.2 48.8
148 64.2 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 4.557 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

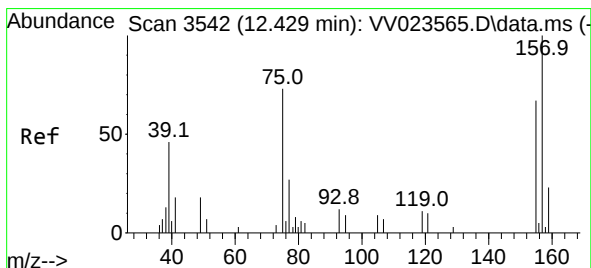
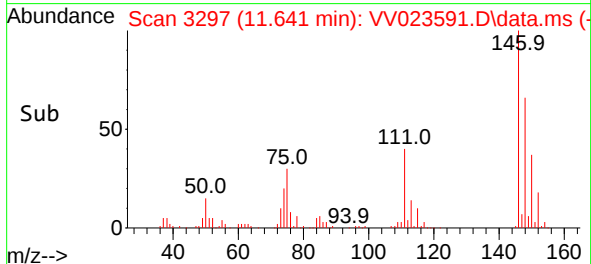
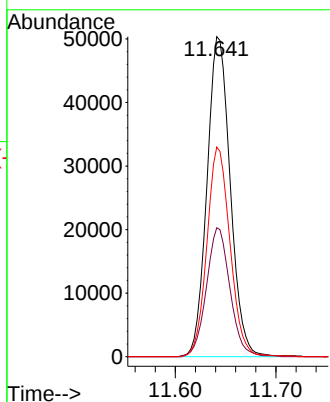
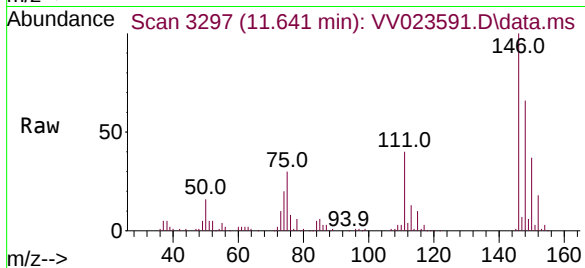
Tgt Ion:146 Resp: 80897

Ion Ratio Lower Upper

146 100

111 40.3 31.6 47.4

148 65.5 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.555 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

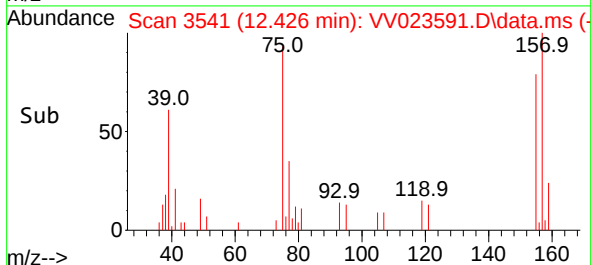
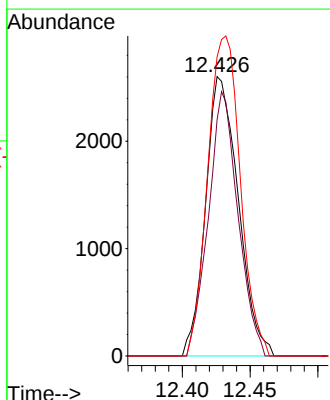
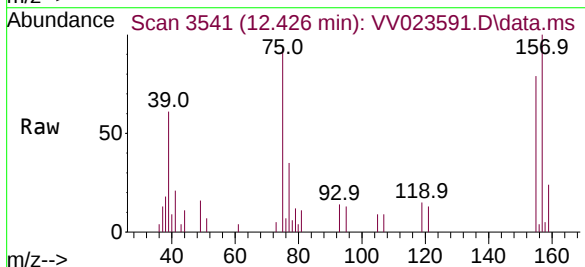
Tgt Ion: 75 Resp: 4362

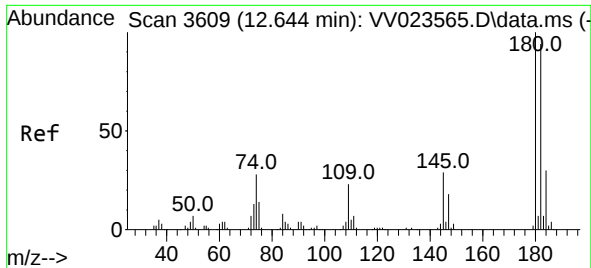
Ion Ratio Lower Upper

75 100

155 84.6 67.7 101.5

157 107.1 87.9 131.9

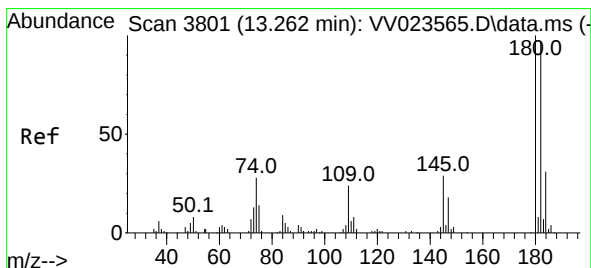
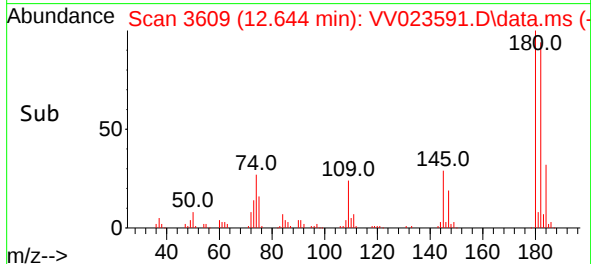
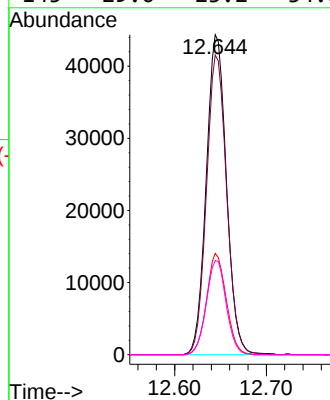
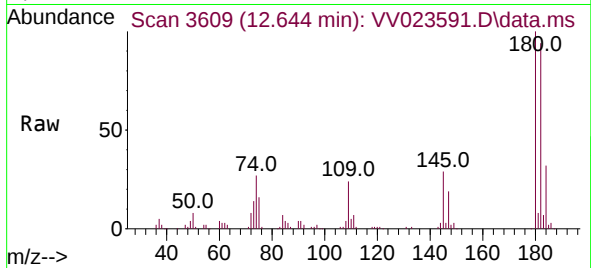




#69
 1,3,5-Trichlorobenzene
 Concen: 4.363 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

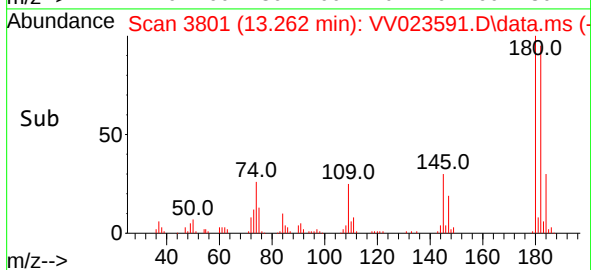
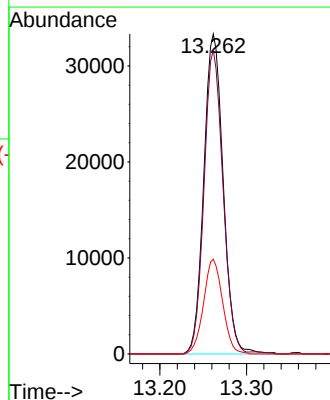
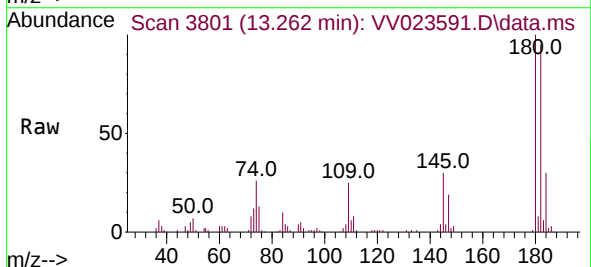
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

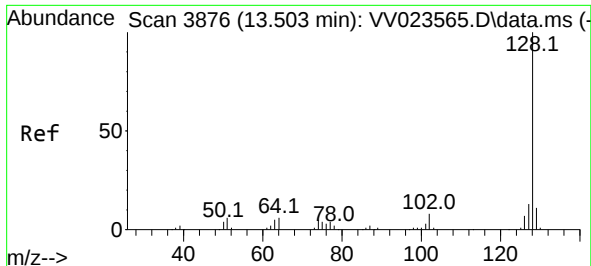
Tgt Ion:180 Resp: 67770
 Ion Ratio Lower Upper
 180 100
 182 93.6 74.9 112.3
 184 30.8 23.8 35.8
 145 29.0 23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.172 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV023591.D
 Acq: 17 Nov 2021 23:46

Tgt Ion:180 Resp: 51892
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.9 115.3
 145 29.0 24.4 36.6





#71
Naphthalene

Concen: 3.896 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. -0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

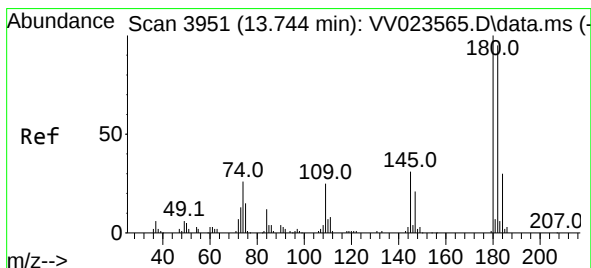
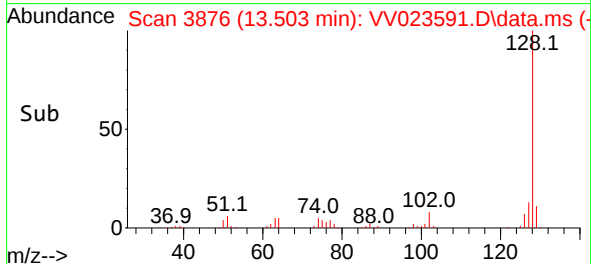
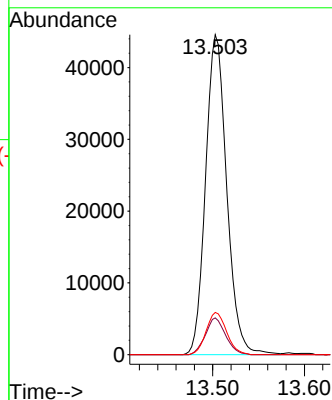
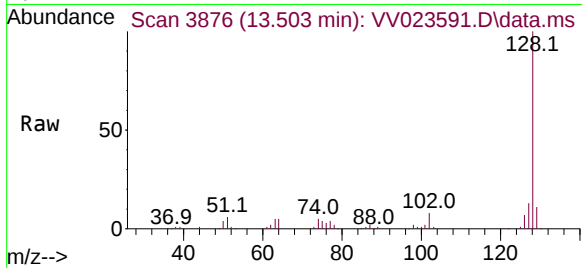
Tgt Ion:128 Resp: 71450

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 12.8 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 4.312 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VV023591.D

Acq: 17 Nov 2021 23:46

Tgt Ion:180 Resp: 46930

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 31.5 25.7 38.5

