

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101222\
 Data File : VV028533.D
 Acq On : 12 Oct 2022 17:36
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050360

Quant Time: Oct 13 03:02:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 13 02:58:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	252940	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	231632	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	128089	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	95022	48.687	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.380%
7) Chloroethane-d5	1.565	69	73377	47.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.840%
11) 1,1-Dichloroethene-d2	2.105	63	181457	54.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.260%
21) 2-Butanone-d5	3.896	46	144528	84.593	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.590%
24) Chloroform-d	4.343	84	209225	58.451	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.900%
26) 1,2-Dichloroethane-d4	5.027	65	147280	63.799	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	127.600%#
32) Benzene-d6	5.043	84	403346	54.343	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.680%
36) 1,2-Dichloropropane-d6	6.063	67	117276	48.462	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.920%
41) Toluene-d8	7.310	98	372128	55.999	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.000%
43) trans-1,3-Dichloroprop...	7.616	79	68318	55.387	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.780%
47) 2-Hexanone-d5	8.085	63	126289	95.934	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.930%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	157474	47.553	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.100%
66) 1,2-Dichlorobenzene-d4	11.616	152	144334	54.382	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	120147	63.087	ug/L	100
3) Chloromethane	1.237	50	94116	43.898	ug/L	98
5) Vinyl chloride	1.307	62	98173	45.628	ug/L	100
6) Bromomethane	1.520	94	47154	48.064	ug/L	98
8) Chloroethane	1.581	64	58428	44.734	ug/L	98
9) Trichlorofluoromethane	1.748	101	173797	65.361	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	80331	53.304	ug/L	93
12) 1,1-Dichloroethene	2.114	96	77804	52.589	ug/L	95
13) Acetone	2.185	43	94649	71.515	ug/L	78
14) Carbon disulfide	2.288	76	239232	50.562	ug/L	100
15) Methyl Acetate	2.433	43	98361	44.018	ug/L	99
16) Methylene chloride	2.503	84	108590	56.481	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	91128	52.808	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	374327	59.007	ug/L	95
19) 1,1-Dichloroethane	3.182	63	186843	53.003	ug/L	97
20) cis-1,2-Dichloroethene	3.905	96	111272	56.602	ug/L	97
22) 2-Butanone	3.979	43	152493	87.401	ug/L	90
23) Bromochloromethane	4.243	128	54709	57.265	ug/L	87
25) Chloroform	4.368	83	204874	59.532	ug/L	100

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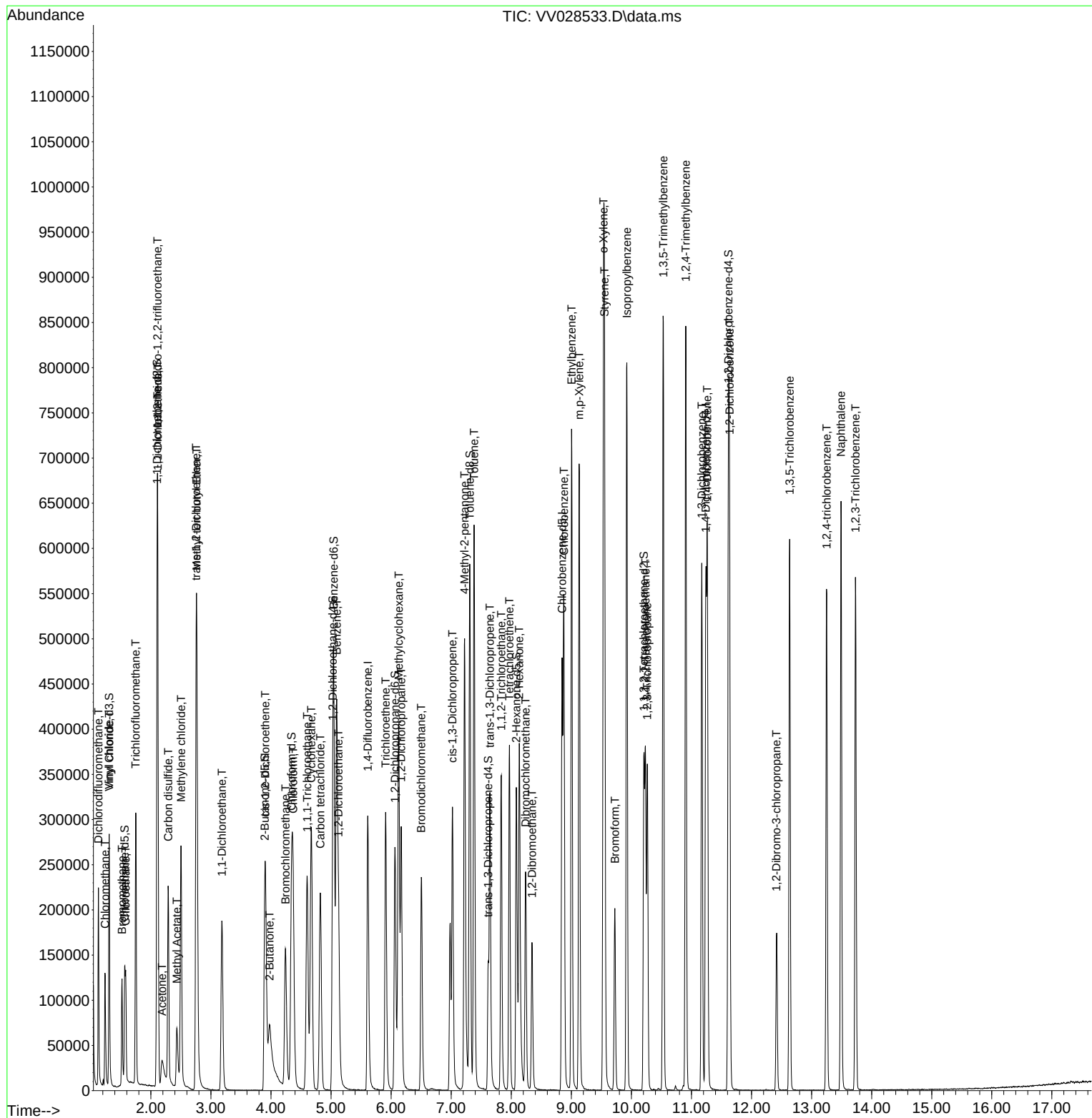
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	171069	64.878	ug/L	96
29) Cyclohexane	4.670	56	160653	48.220	ug/L	94
30) 1,1,1-Trichloroethane	4.603	97	191062	63.851	ug/L	99
31) Carbon tetrachloride	4.822	117	161775	64.584	ug/L	99
33) Benzene	5.095	78	411805	54.055	ug/L	100
34) Trichloroethene	5.908	95	102703	54.344	ug/L	92
35) Methylcyclohexane	6.127	83	169195	51.496	ug/L	97
37) 1,2-Dichloropropane	6.169	63	102374	50.124	ug/L	99
38) Bromodichloromethane	6.503	83	156142	58.681	ug/L	98
39) cis-1,3-Dichloropropene	7.021	75	175461	54.002	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	356558	102.360	ug/L	98
42) Toluene	7.381	91	441557	56.232	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	178426	57.217	ug/L	97
45) 1,1,2-Trichloroethane	7.834	97	102192	54.020	ug/L	97
46) Tetrachloroethene	7.969	164	80665	59.402	ug/L	97
48) 2-Hexanone	8.133	43	263308	98.465	ug/L	97
49) Dibromochloromethane	8.239	129	117092	57.584	ug/L	96
50) 1,2-Dibromoethane	8.346	107	101467	51.801	ug/L	99
51) Chlorobenzene	8.876	112	276469	56.117	ug/L	98
52) Ethylbenzene	9.005	91	484061	56.558	ug/L	99
53) m,p-Xylene	9.130	106	184341	56.825	ug/L	97
54) o-Xylene	9.535	106	185928	57.241	ug/L	99
55) Styrene	9.555	104	319619	57.299	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.233	83	160430	49.519	ug/L	99
59) Bromoform	9.725	173	84715	53.408	ug/L	99
60) Isopropylbenzene	9.924	105	502949	54.491	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	132864	48.724	ug/L	96
62) 1,3,5-Trimethylbenzene	10.532	105	437887	54.777	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	431651	54.400	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	226526	56.112	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	220267	54.681	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	226284	55.537	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	42654	51.115	ug/L	97
69) 1,3,5-Trichlorobenzene	12.635	180	177752	57.972	ug/L	100
70) 1,2,4-trichlorobenzene	13.252	180	159764	59.116	ug/L	99
71) Naphthalene	13.490	128	480059	57.111	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	160088	60.757	ug/L	98

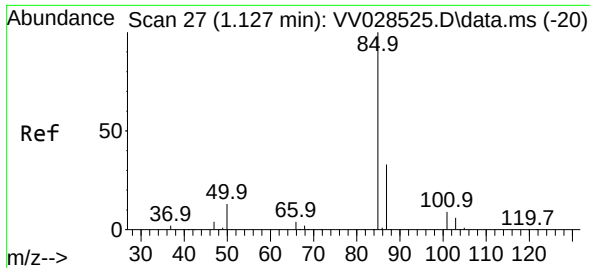
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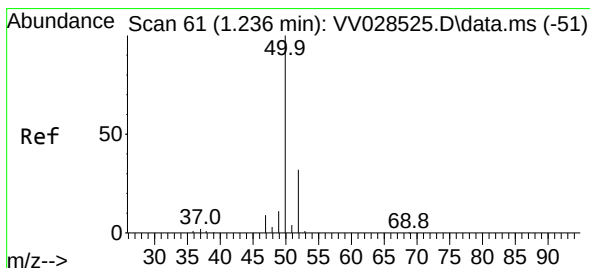
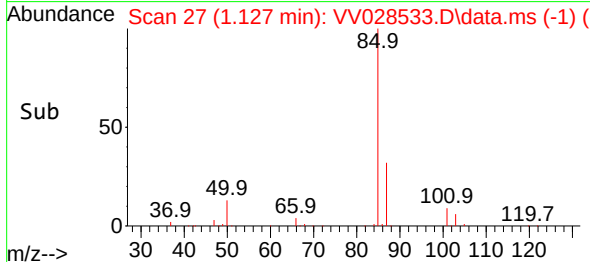
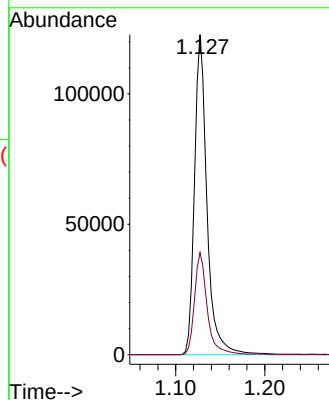
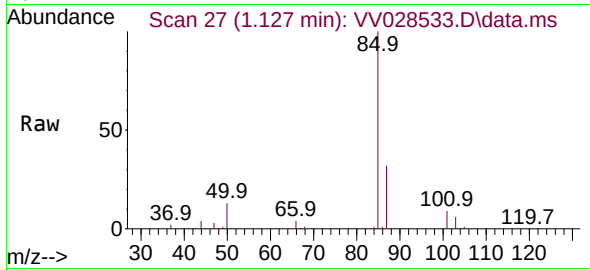




#2
 Dichlorodifluoromethane
 Concen: 63.087 ug/L
 RT: 1.127 min Scan# 27
 Delta R.T. 0.000 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

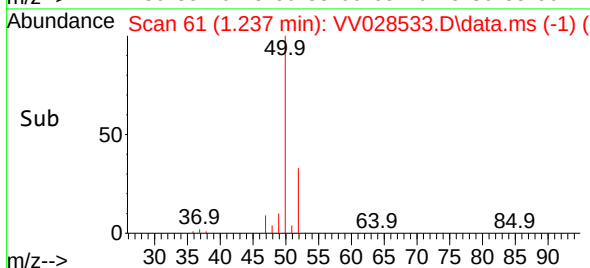
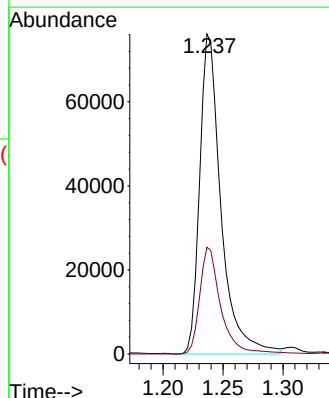
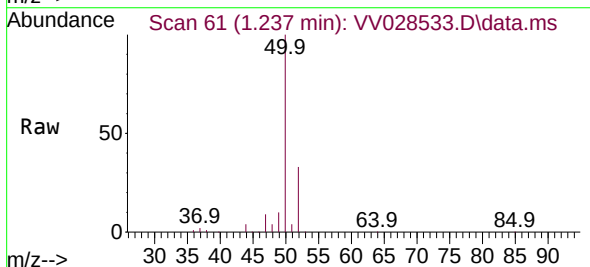
Instrument :
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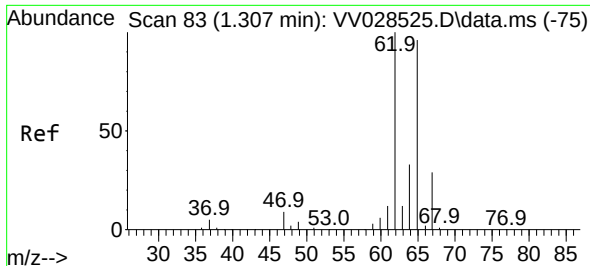
Tgt Ion: 85 Resp: 120147
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 43.898 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

Tgt Ion: 50 Resp: 94116
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.7 42.3

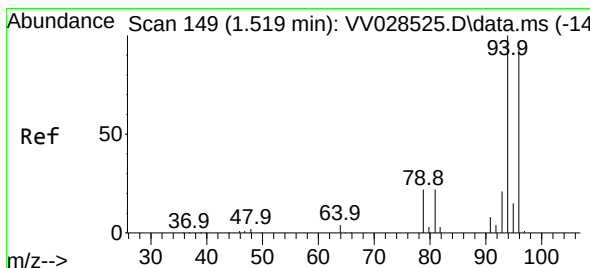
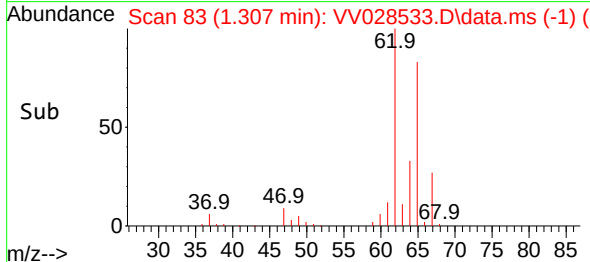
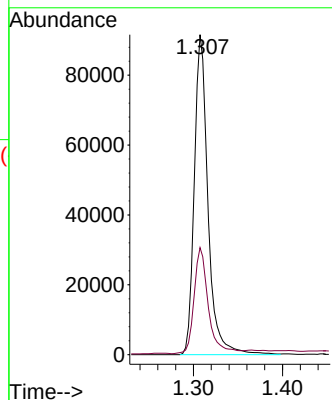
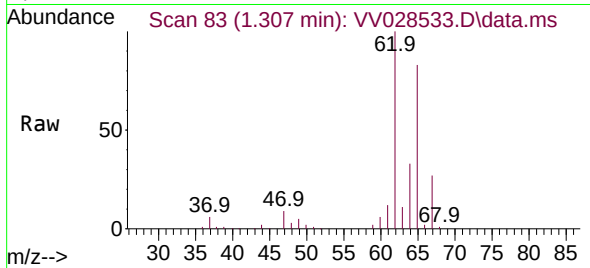




#5
 Vinyl chloride
 Concen: 45.628 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

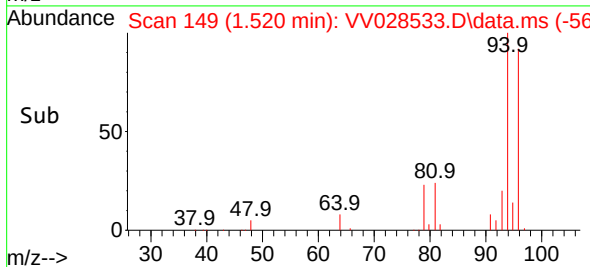
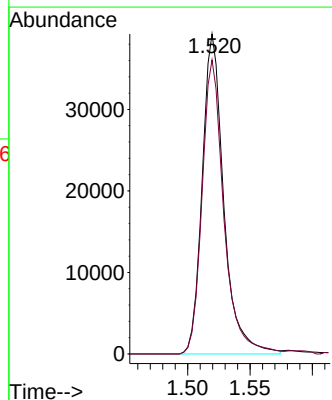
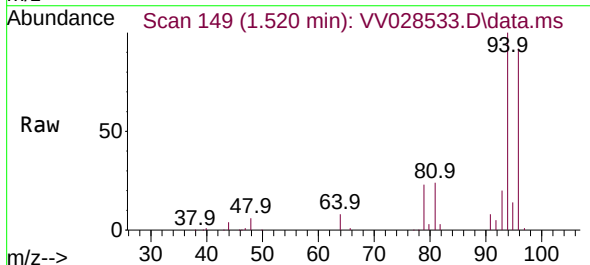
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 VSTD050360

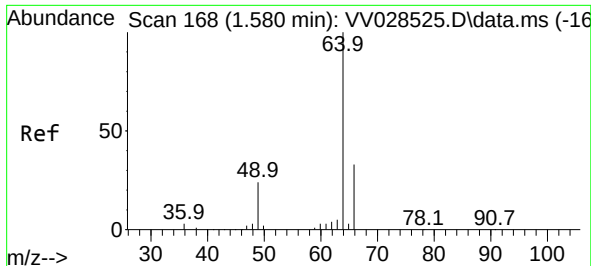
Tgt Ion: 62 Resp: 98173
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.3 43.3



#6
 Bromomethane
 Concen: 48.064 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

Tgt Ion: 94 Resp: 47154
 Ion Ratio Lower Upper
 94 100
 96 91.9 65.5 121.6

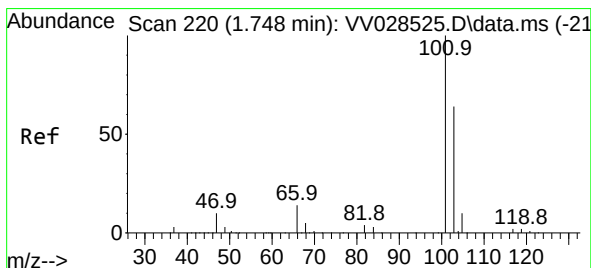
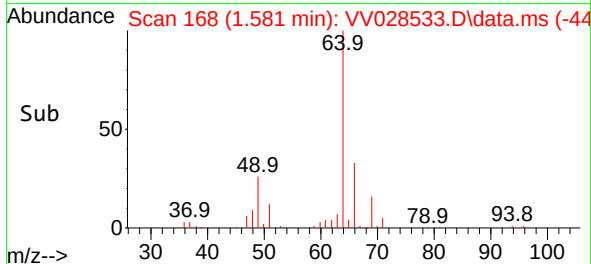
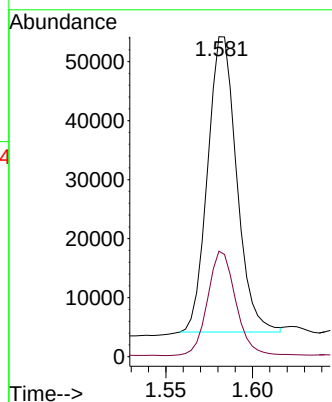
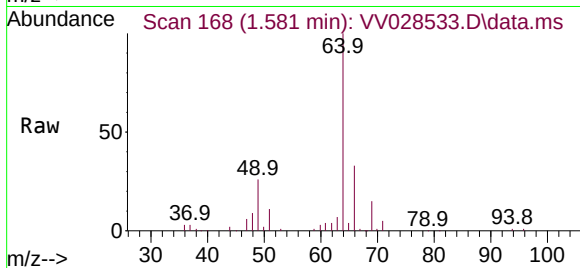




#8
Chloroethane
Concen: 44.734 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

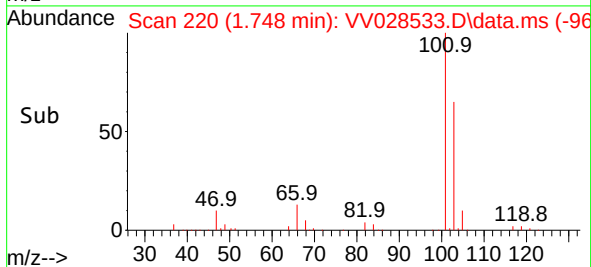
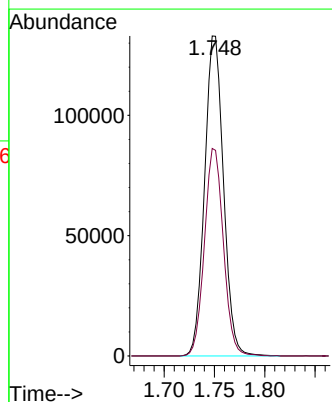
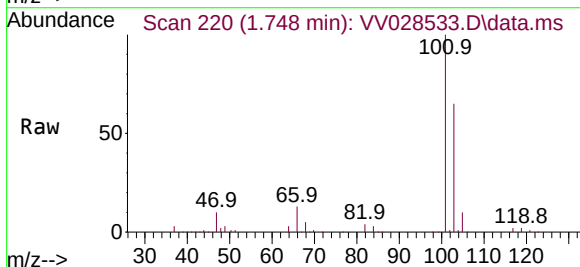
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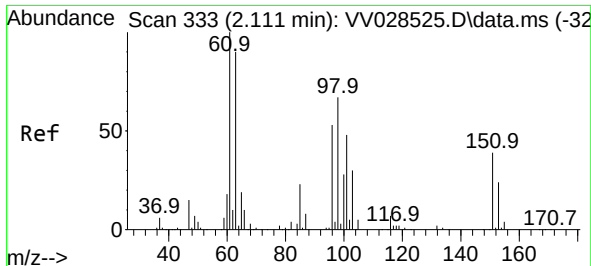
Tgt Ion: 64 Resp: 58428
Ion Ratio Lower Upper
64 100
66 32.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 65.361 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion:101 Resp: 173797
Ion Ratio Lower Upper
101 100
103 65.0 50.7 76.1

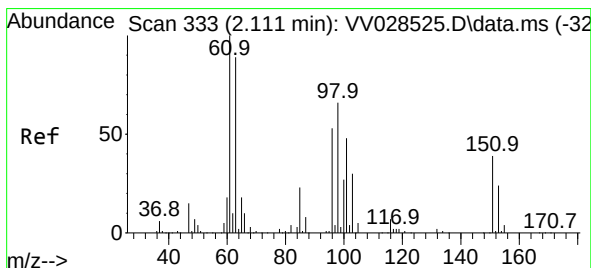
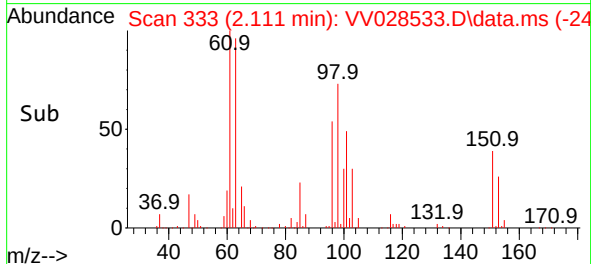
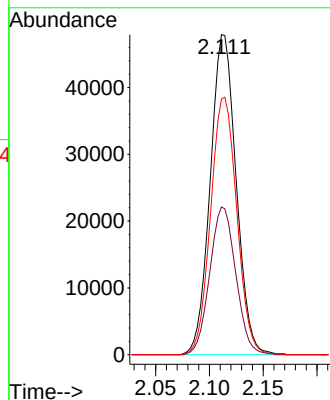
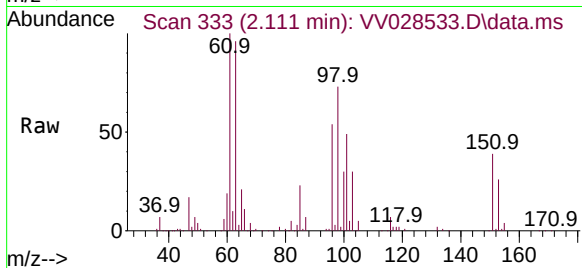




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.304 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV028533.D
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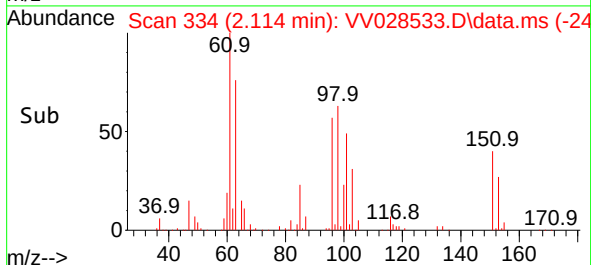
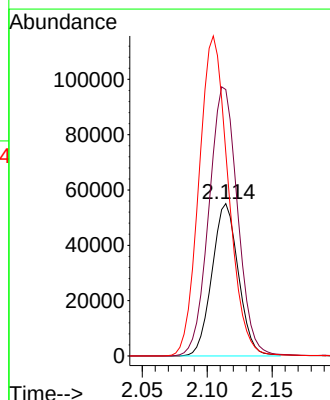
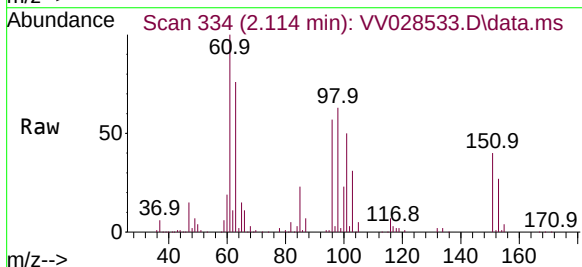
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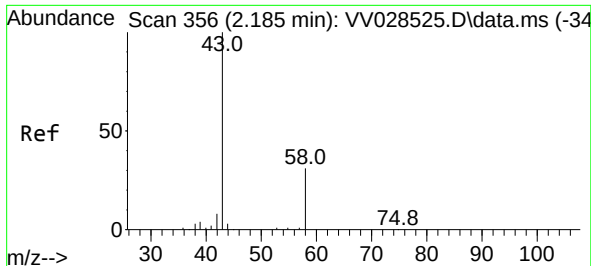
Tgt Ion:101 Resp: 80331
 Ion Ratio Lower Upper
 101 100
 85 46.3 34.9 52.3
 151 81.2 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 52.589 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

Tgt Ion: 96 Resp: 77804
 Ion Ratio Lower Upper
 96 100
 61 174.8 125.6 233.2
 63 133.6 100.0 185.6





#13

Acetone

Concen: 71.515 ug/L

RT: 2.185 min Scan# 356

Delta R.T. 0.000 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

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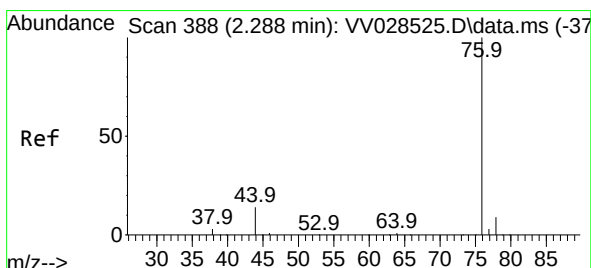
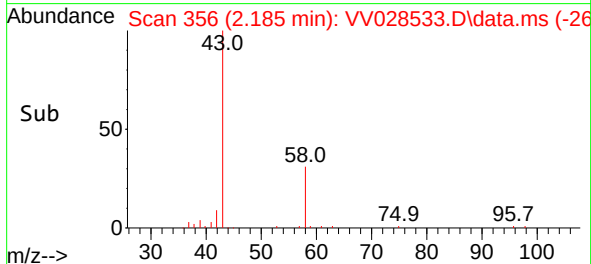
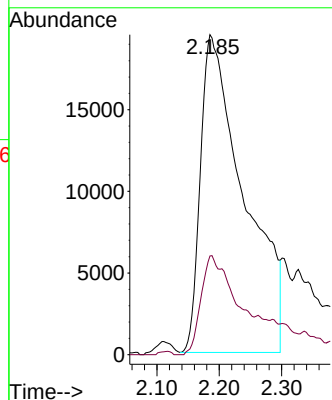
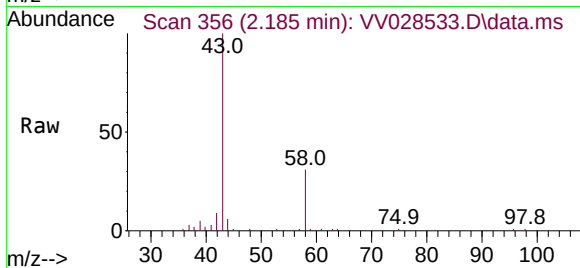
VSTD050360

Tgt Ion: 43 Resp: 94649

Ion Ratio Lower Upper

43 100

58 12.8 0.0 47.0



#14

Carbon disulfide

Concen: 50.562 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV028533.D

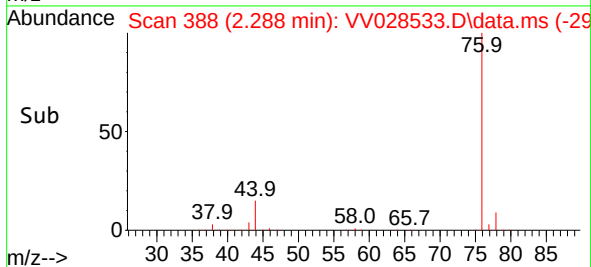
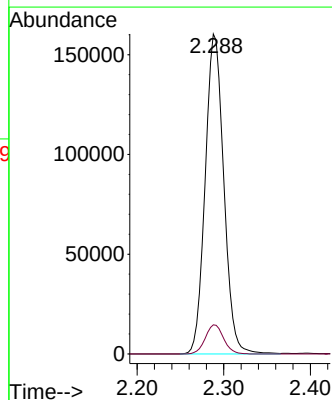
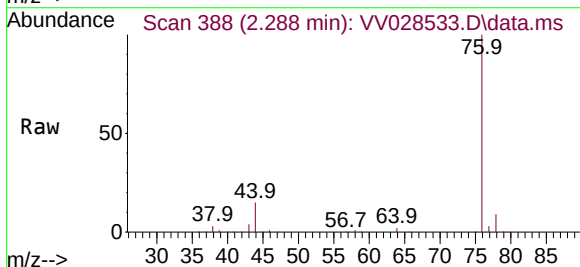
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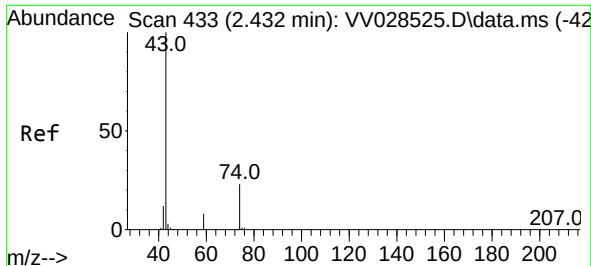
Tgt Ion: 76 Resp: 239232

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

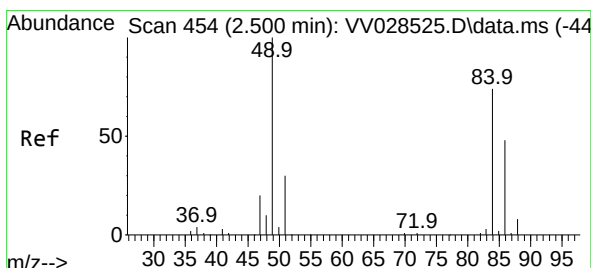
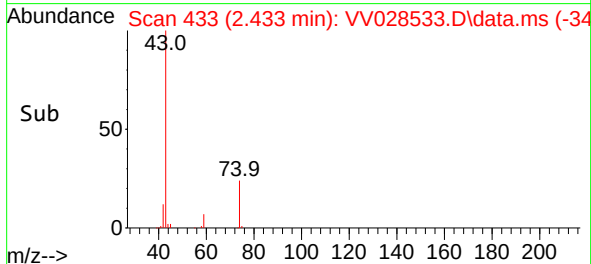
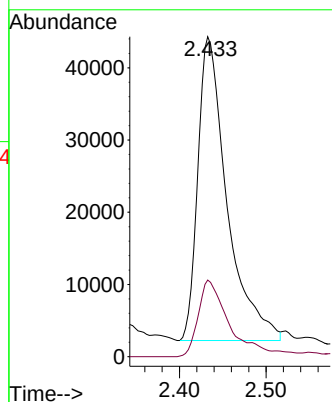
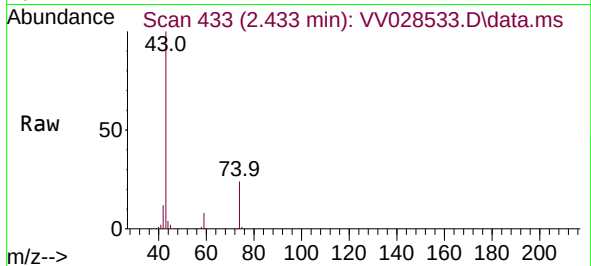




#15
Methyl Acetate
Concen: 44.018 ug/L
RT: 2.433 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

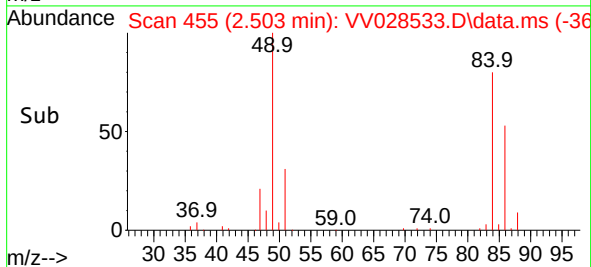
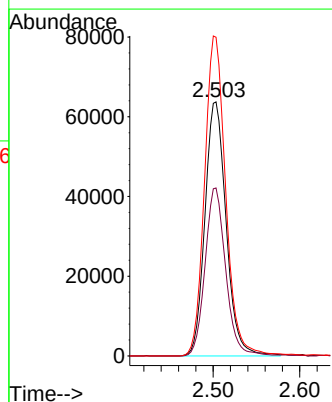
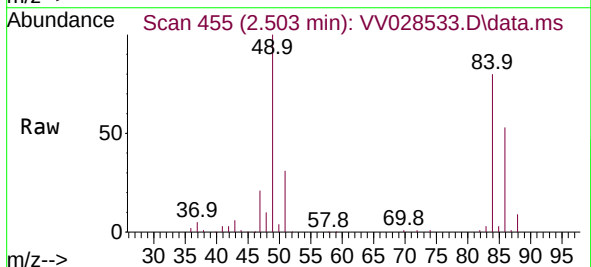
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

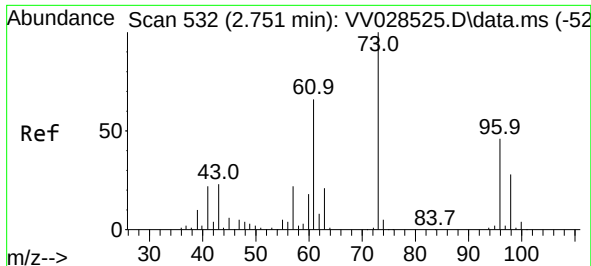
Tgt Ion: 43 Resp: 98361
Ion Ratio Lower Upper
43 100
74 23.8 18.8 28.2



#16
Methylene chloride
Concen: 56.481 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 84 Resp: 108590
Ion Ratio Lower Upper
84 100
86 66.1 44.2 82.2
49 125.4 90.5 168.1

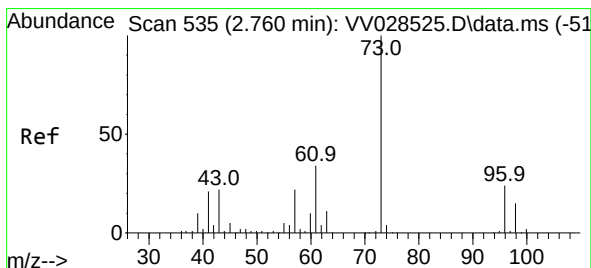
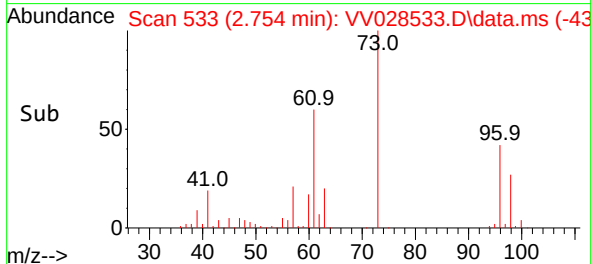
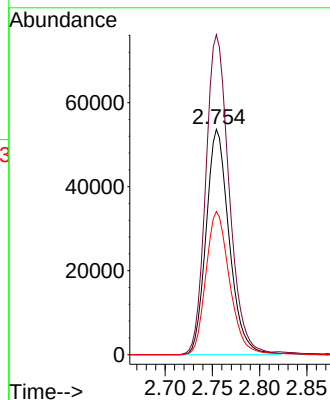
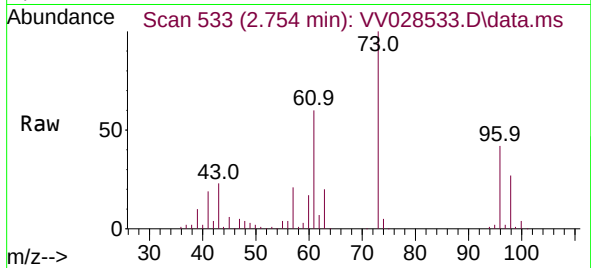




#17
trans-1,2-Dichloroethene
Concen: 52.808 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

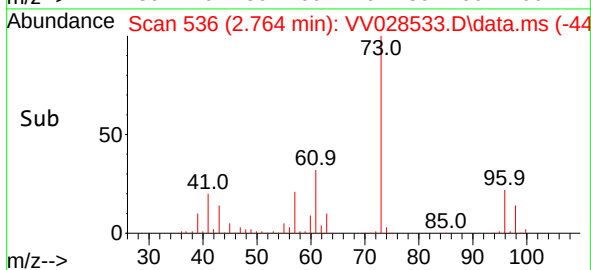
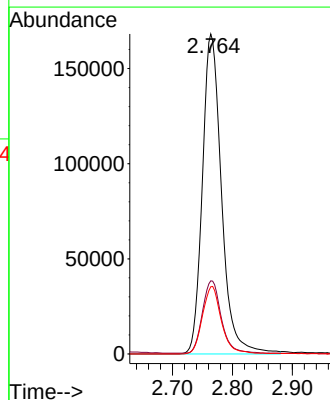
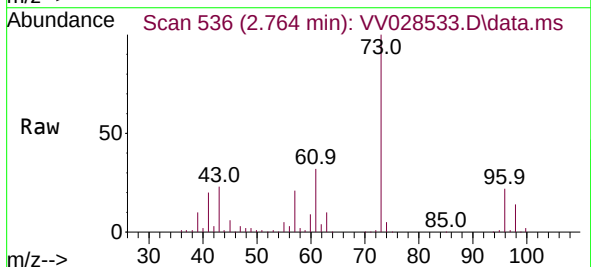
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

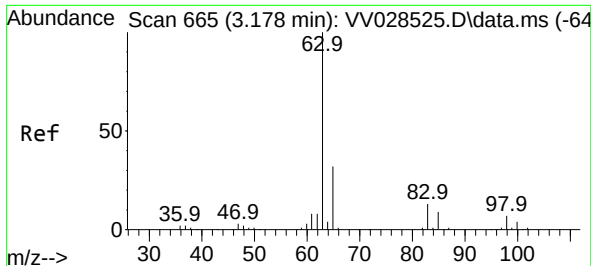
Tgt Ion: 96 Resp: 91128
Ion Ratio Lower Upper
96 100
61 142.0 104.8 194.6
98 63.5 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 59.007 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 73 Resp: 374327
Ion Ratio Lower Upper
73 100
43 22.0 15.6 23.4
57 20.9 18.2 27.4





#19

1,1-Dichloroethane

Concen: 53.003 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

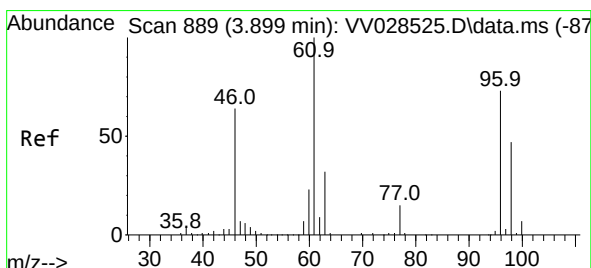
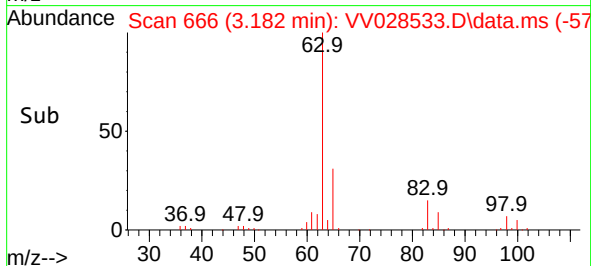
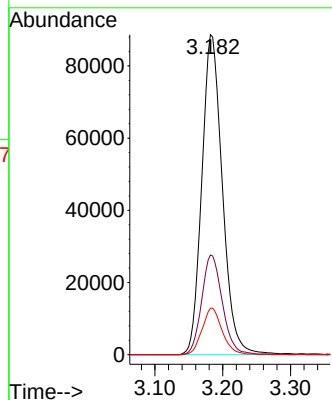
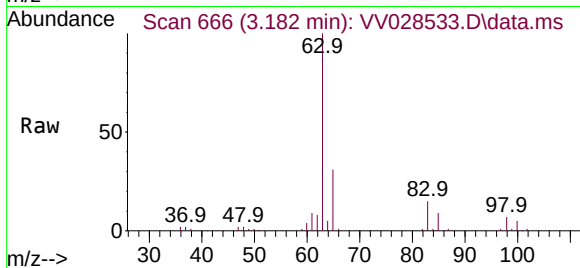
Tgt Ion: 63 Resp: 186843

Ion Ratio Lower Upper

63 100

65 31.1 22.6 42.0

83 14.5 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 56.602 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.007 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

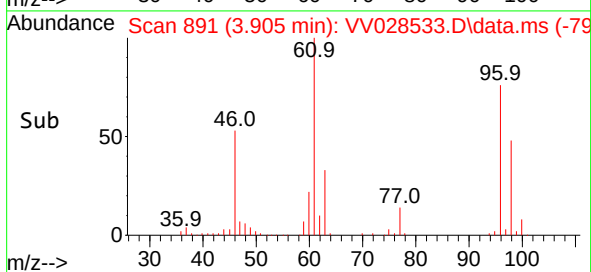
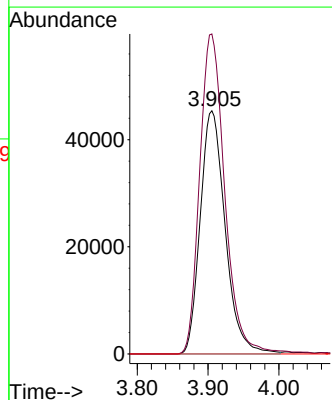
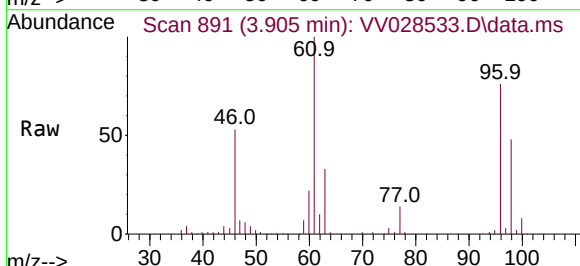
Tgt Ion: 96 Resp: 111272

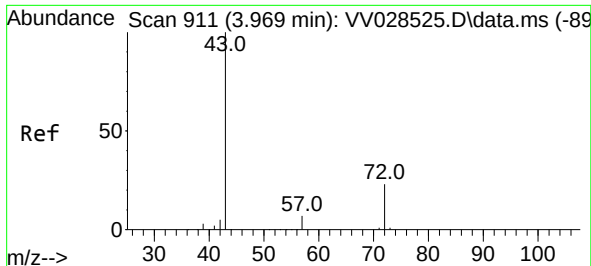
Ion Ratio Lower Upper

96 100

61 131.6 95.0 176.4

68 0.0 0.0 0.0

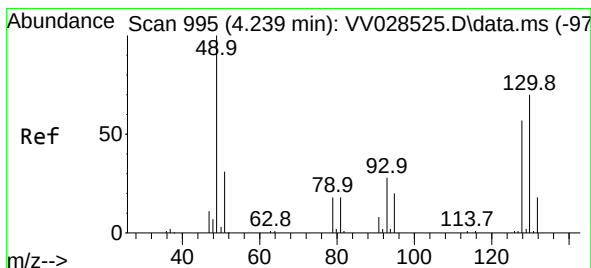
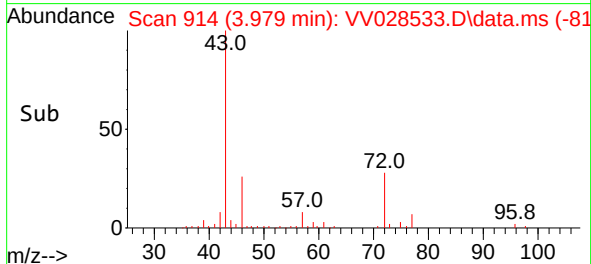
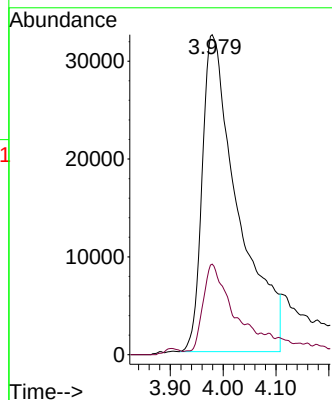
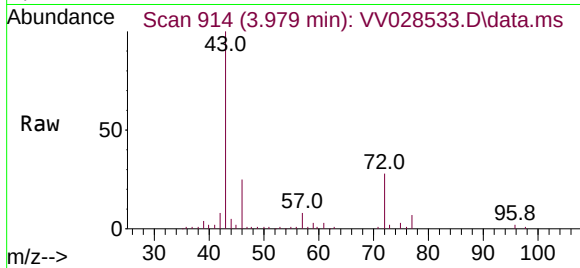




#22
2-Butanone
Concen: 87.401 ug/L
RT: 3.979 min Scan# 914
Delta R.T. 0.010 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

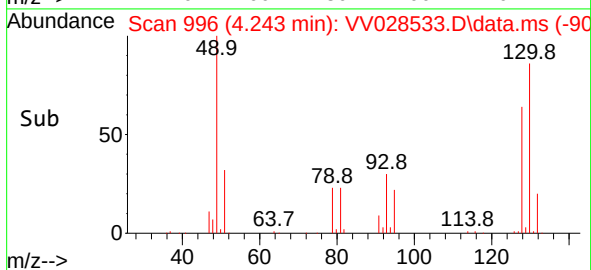
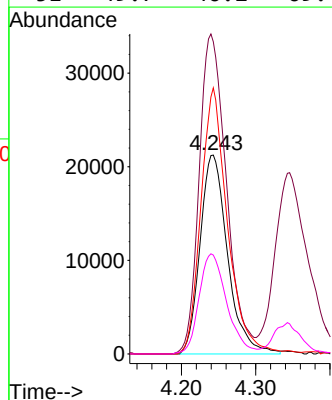
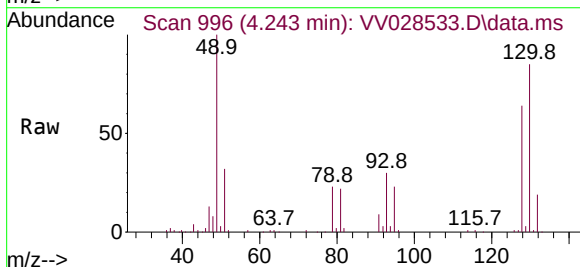
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

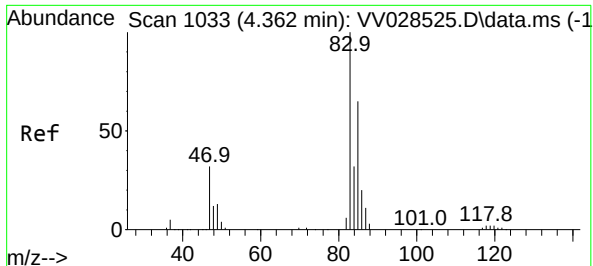
Tgt Ion: 43 Resp: 152493
Ion Ratio Lower Upper
43 100
72 17.2 11.1 33.1



#23
Bromochloromethane
Concen: 57.265 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 128 Resp: 54709
Ion Ratio Lower Upper
128 100
49 157.0 130.6 242.6
130 133.8 90.0 167.2
51 49.7 46.2 69.4





#25

Chloroform

Concen: 59.532 ug/L

RT: 4.368 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

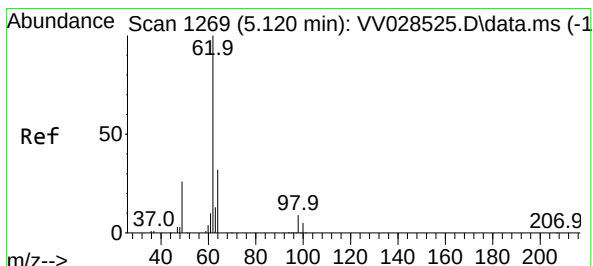
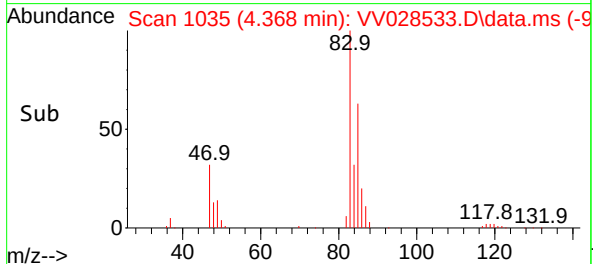
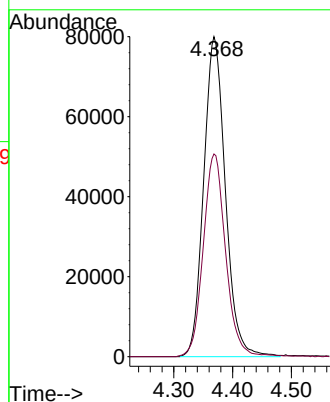
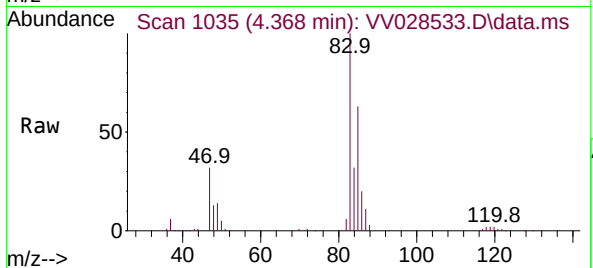
VSTD050360

Tgt Ion: 83 Resp: 204874

Ion Ratio Lower Upper

83 100

85 63.3 44.5 82.7



#27

1,2-Dichloroethane

Concen: 64.878 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VV028533.D

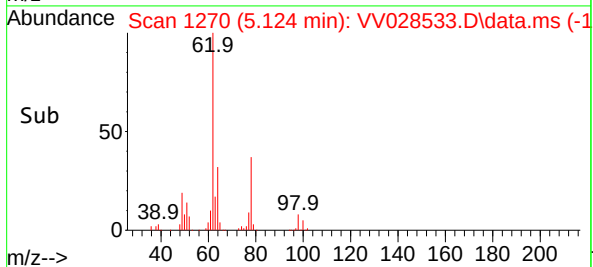
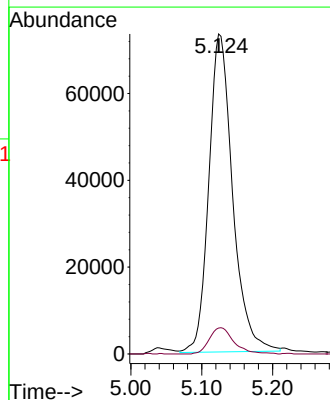
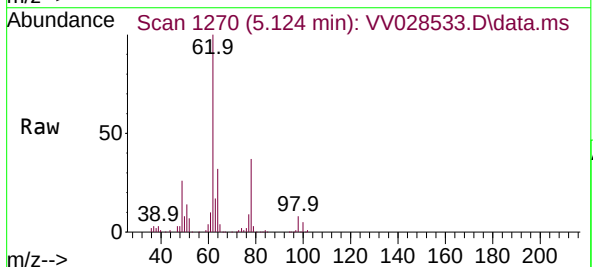
Acq: 12 Oct 2022 17:36

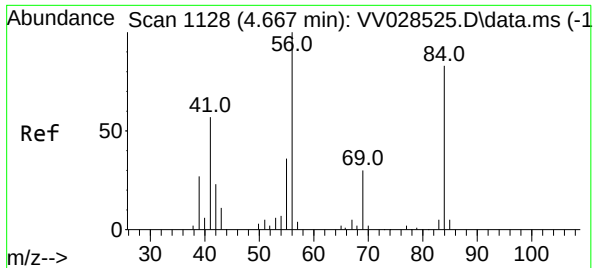
Tgt Ion: 62 Resp: 171069

Ion Ratio Lower Upper

62 100

98 8.1 7.6 11.4





#29

Cyclohexane

Concen: 48.220 ug/L

RT: 4.670 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

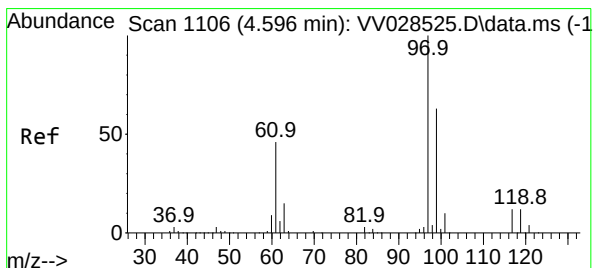
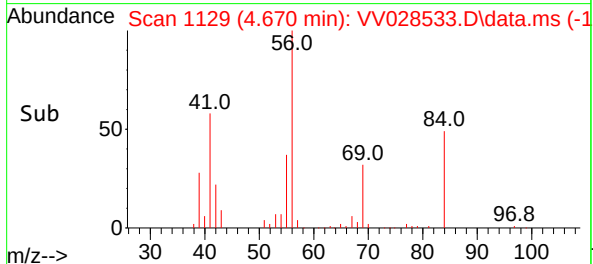
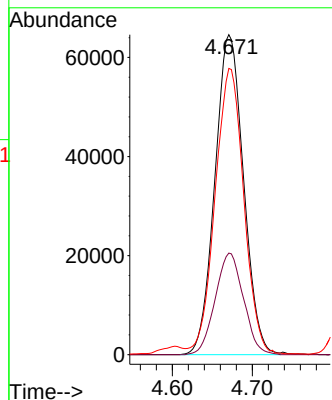
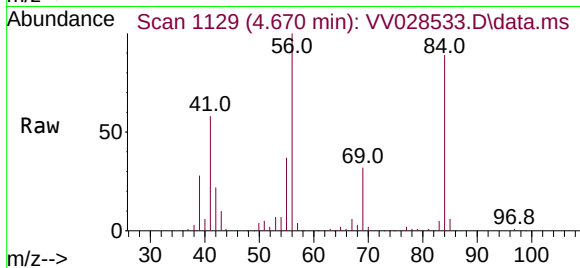
Tgt Ion: 56 Resp: 160653

Ion Ratio Lower Upper

56 100

69 31.3 23.0 34.6

84 88.4 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 63.851 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

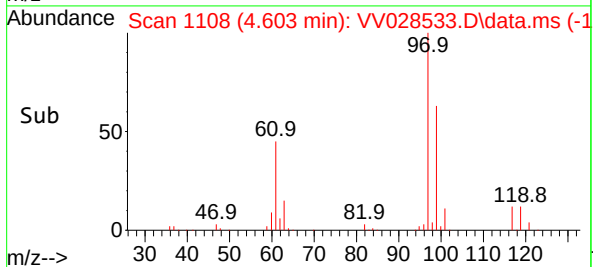
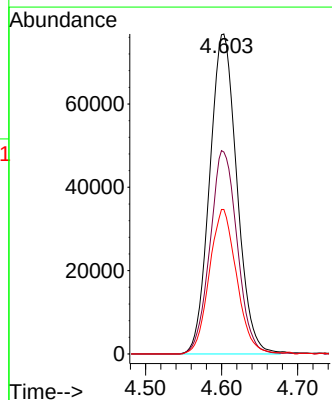
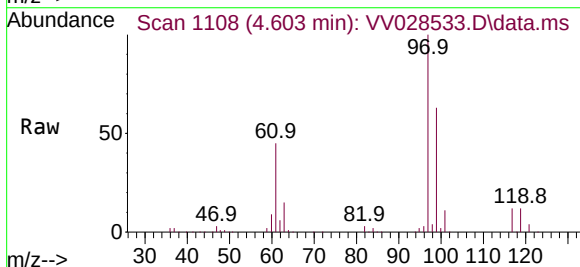
Tgt Ion: 97 Resp: 191062

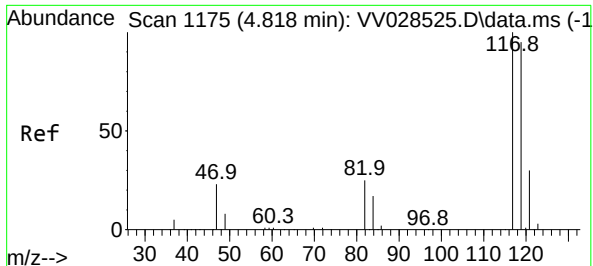
Ion Ratio Lower Upper

97 100

99 63.5 50.2 75.2

61 45.3 35.8 53.6

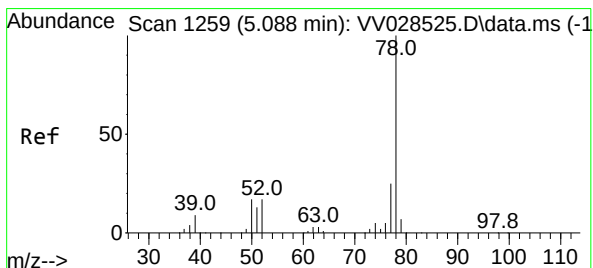
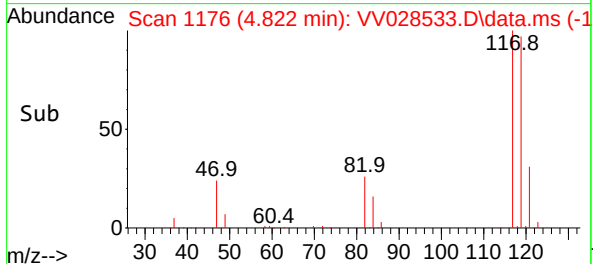
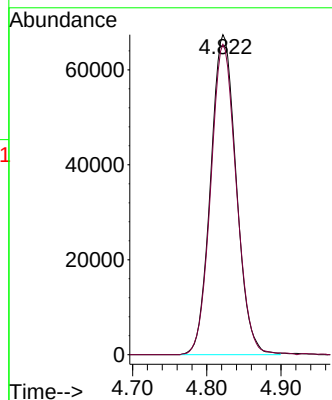
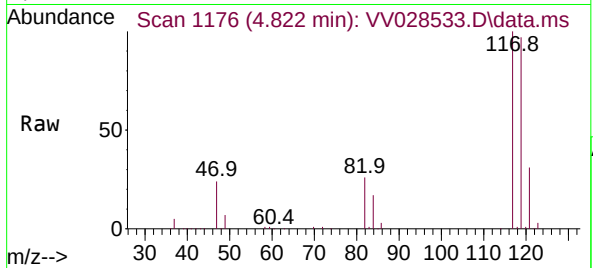




#31
Carbon tetrachloride
Concen: 64.584 ug/L
RT: 4.822 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

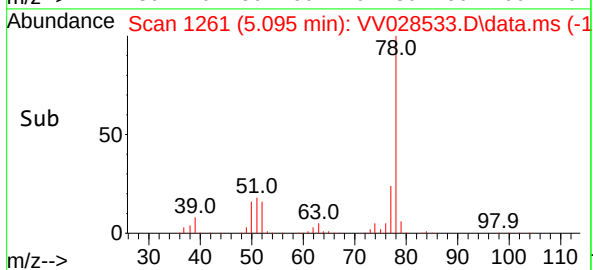
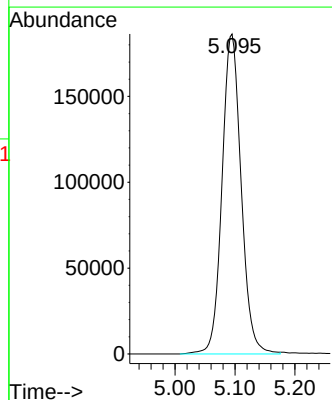
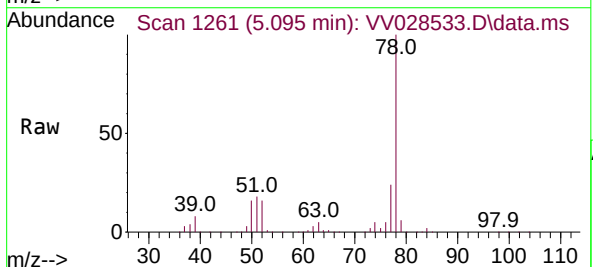
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

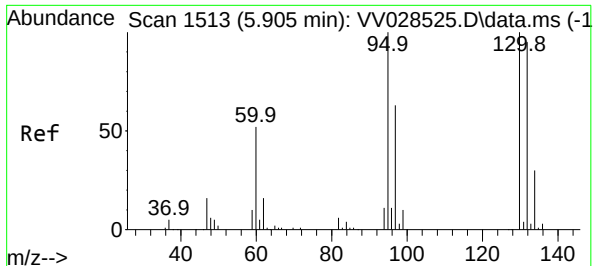
Tgt Ion:117 Resp: 161775
Ion Ratio Lower Upper
117 100
119 97.0 78.0 117.0



#33
Benzene
Concen: 54.055 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.007 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 78 Resp: 411805

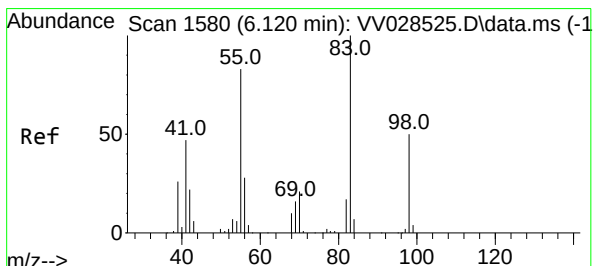
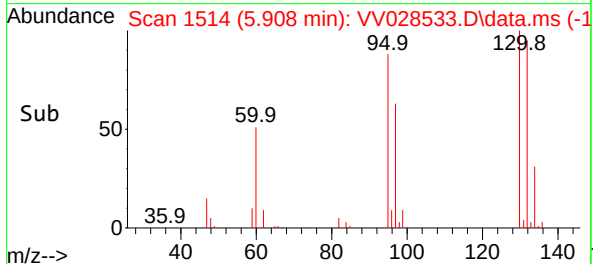
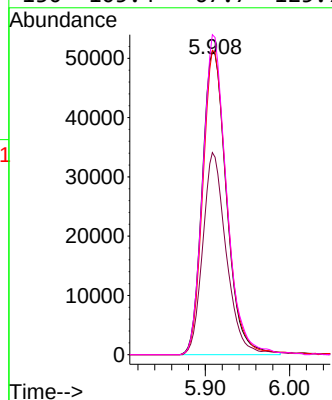
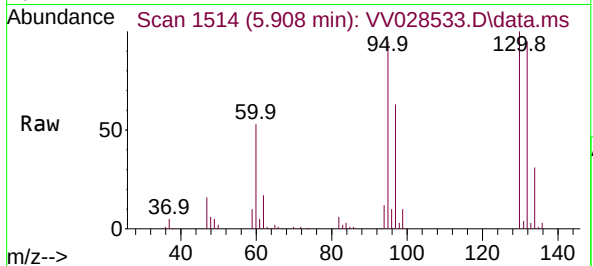




#34
Trichloroethene
Concen: 54.344 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

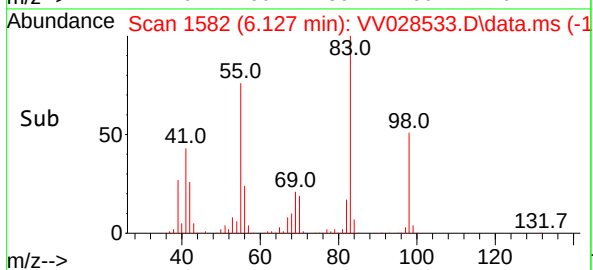
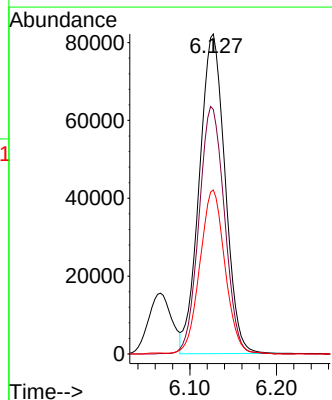
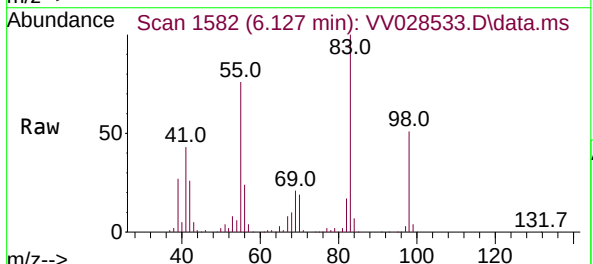
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

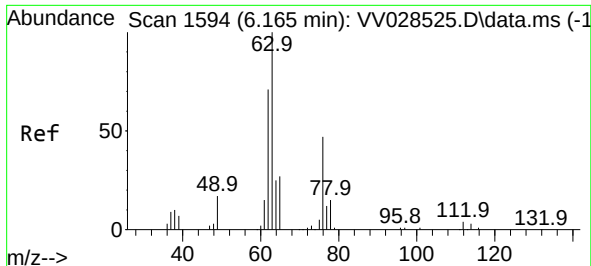
Tgt Ion: 95 Resp: 102703
Ion Ratio Lower Upper
95 100
97 66.5 44.4 82.4
132 100.2 64.3 119.5
130 105.4 67.7 125.7



#35
Methylcyclohexane
Concen: 51.496 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.007 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 83 Resp: 169195
Ion Ratio Lower Upper
83 100
55 76.9 63.7 95.5
98 50.4 38.2 57.2





#37

1,2-Dichloropropane

Concen: 50.124 ug/L

RT: 6.169 min Scan# 1594

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

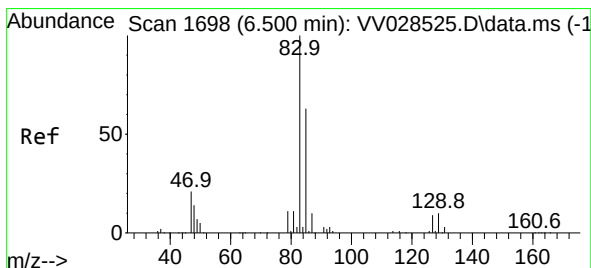
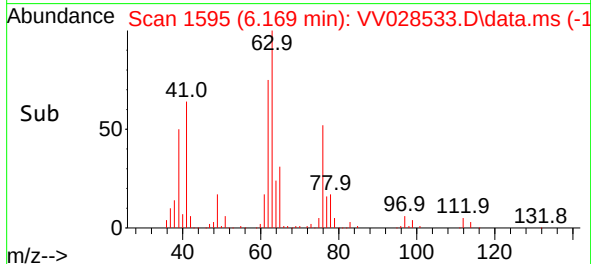
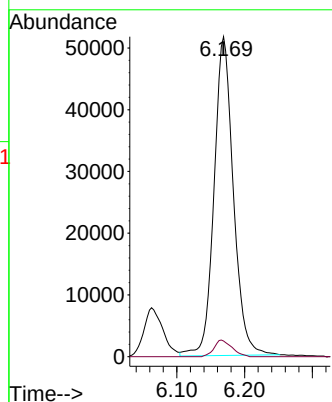
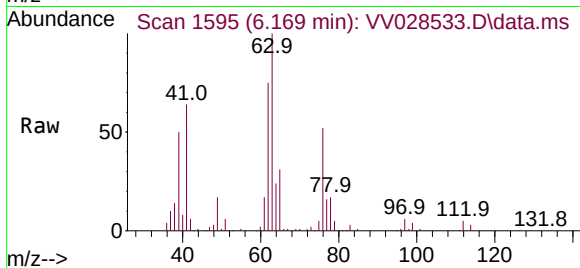
VSTD050360

Tgt Ion: 63 Resp: 102374

Ion Ratio Lower Upper

63 100

112 4.8 3.5 5.3



#38

Bromodichloromethane

Concen: 58.681 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

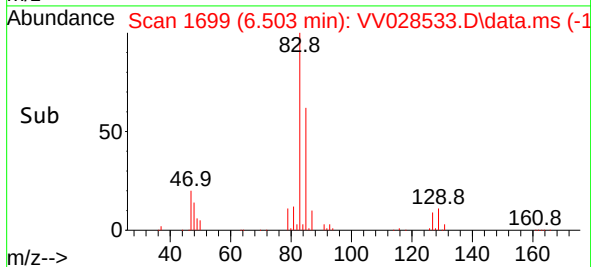
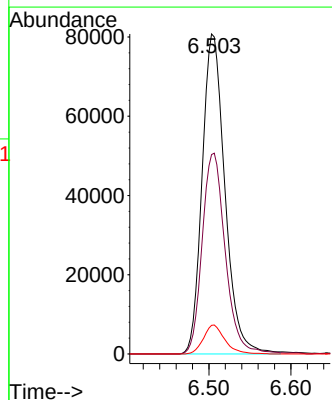
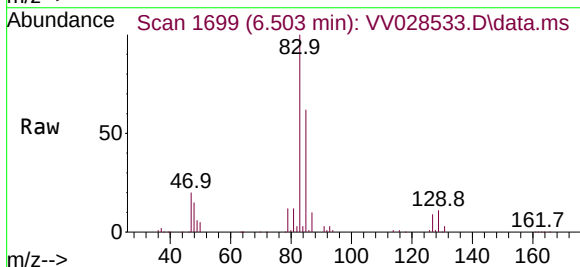
Tgt Ion: 83 Resp: 156142

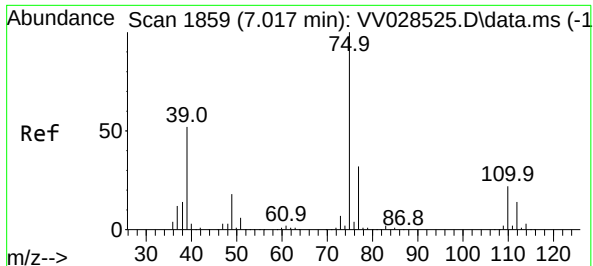
Ion Ratio Lower Upper

83 100

85 62.3 45.1 83.7

127 9.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 54.002 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

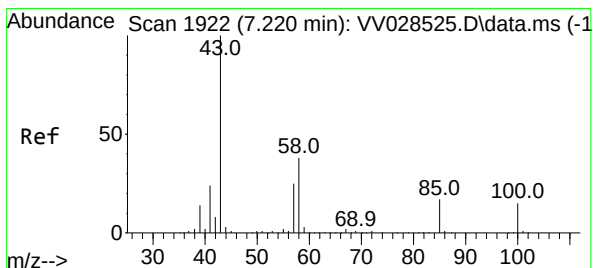
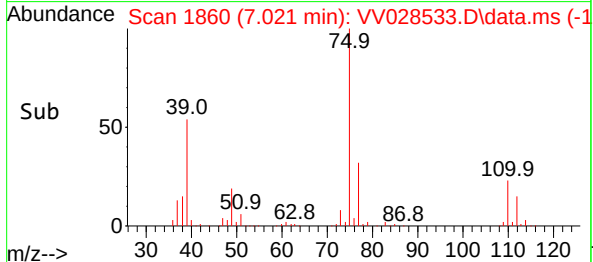
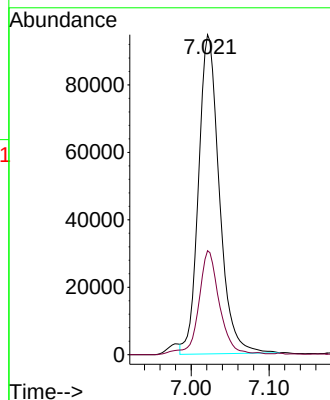
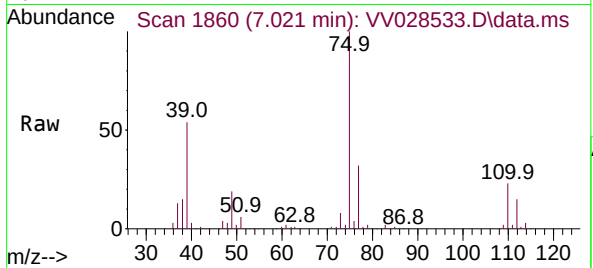
VSTD050360

Tgt Ion: 75 Resp: 175461

Ion Ratio Lower Upper

75 100

77 32.5 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 102.360 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

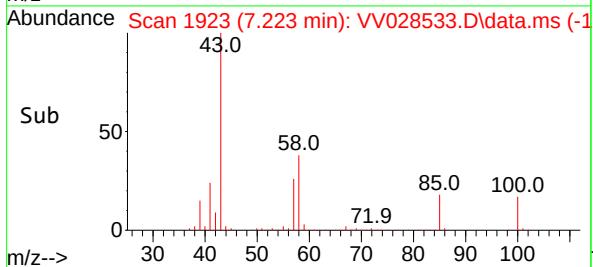
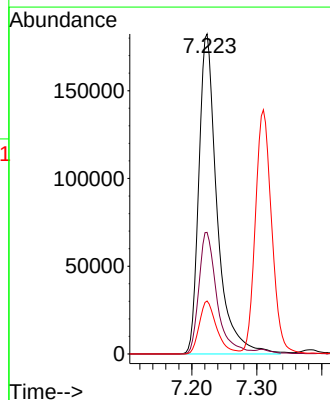
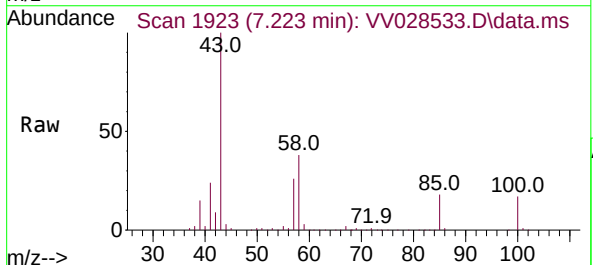
Tgt Ion: 43 Resp: 356558

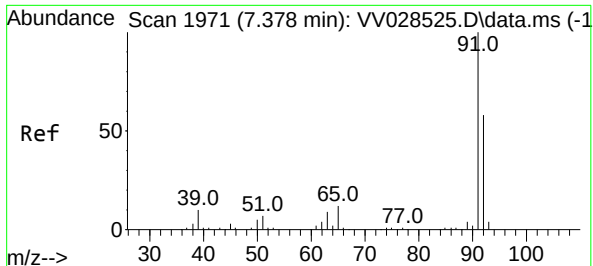
Ion Ratio Lower Upper

43 100

58 37.8 31.3 46.9

100 15.9 11.5 17.3





#42

Toluene

Concen: 56.232 ug/L

RT: 7.381 min Scan# 1971

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

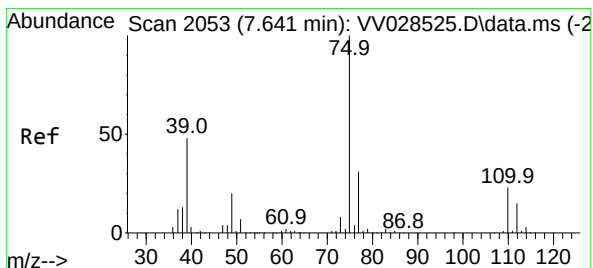
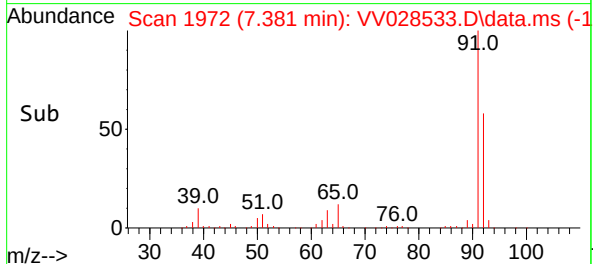
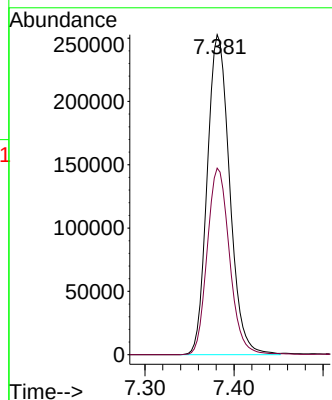
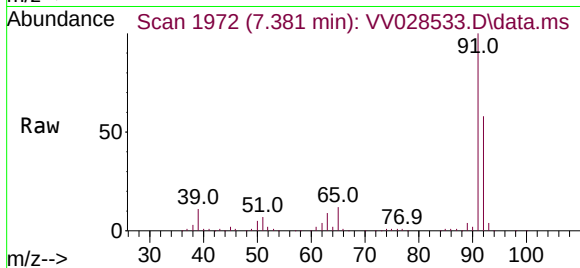
VSTD050360

Tgt Ion: 91 Resp: 441557

Ion Ratio Lower Upper

91 100

92 58.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 57.217 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.003 min

Lab File: VV028533.D

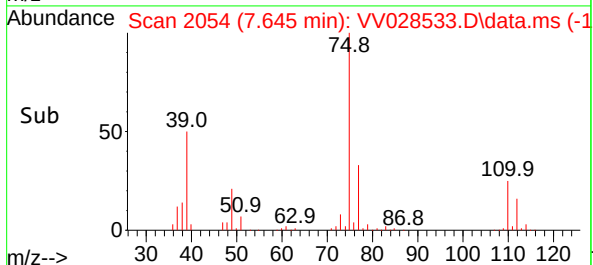
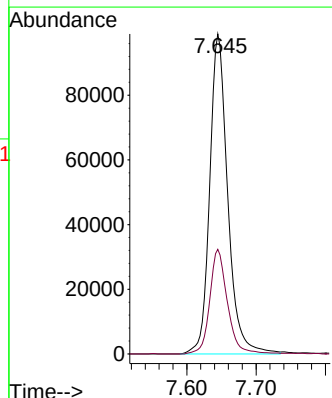
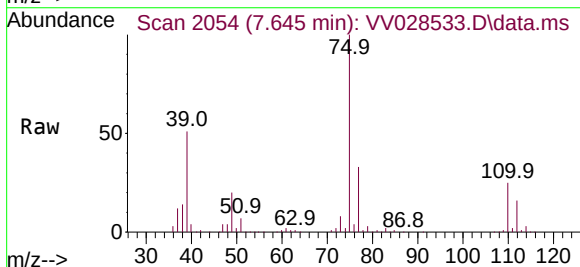
Acq: 12 Oct 2022 17:36

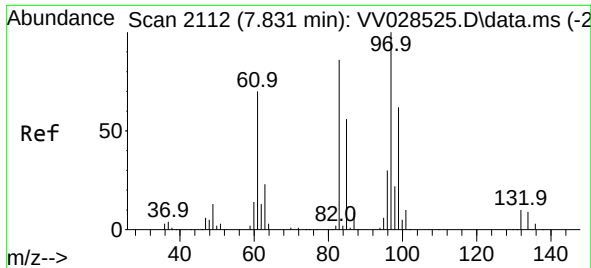
Tgt Ion: 75 Resp: 178426

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.4



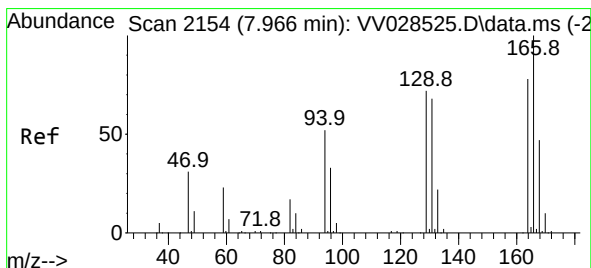
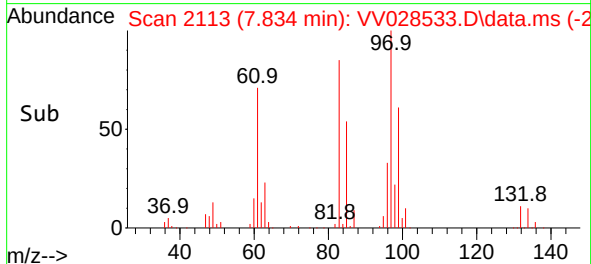
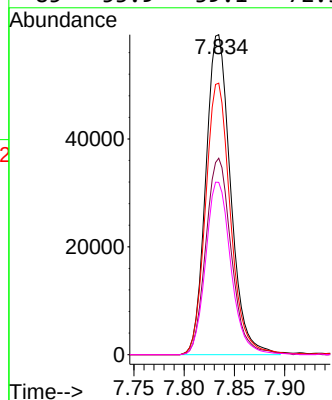
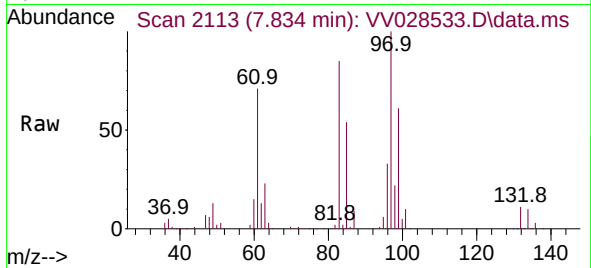


#45
1,1,2-Trichloroethane
Concen: 54.020 ug/L
RT: 7.834 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

Tgt Ion: 97 Resp: 102192

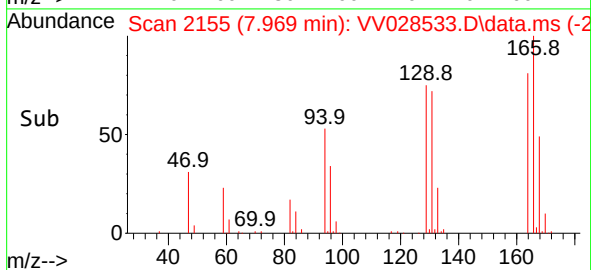
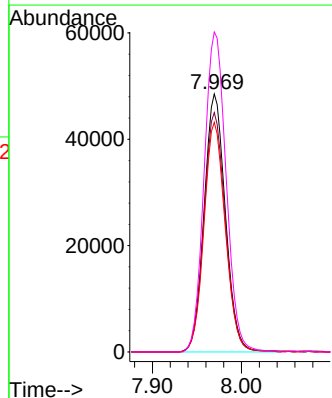
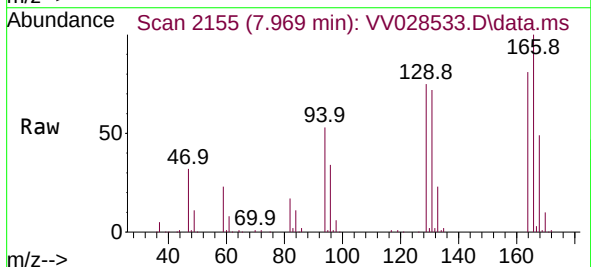
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.9	81.5
83	84.9	61.9	114.9
85	53.9	39.1	72.5

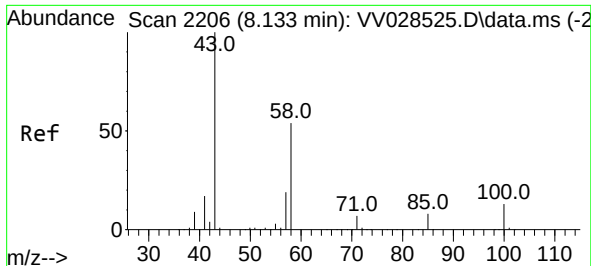


#46
Tetrachloroethene
Concen: 59.402 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 164 Resp: 80665

Ion	Ratio	Lower	Upper
164	100		
129	92.7	67.4	125.2
131	88.9	65.2	121.2
166	124.0	88.5	164.4



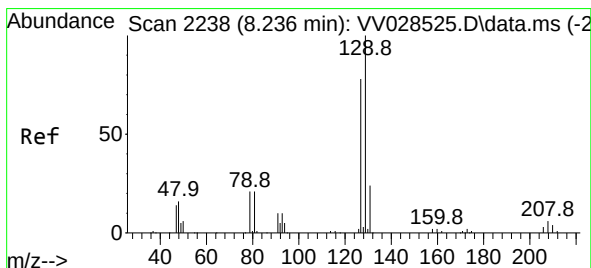
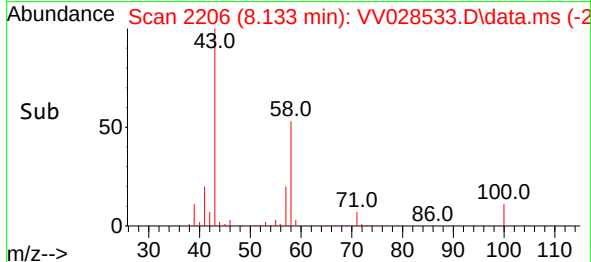
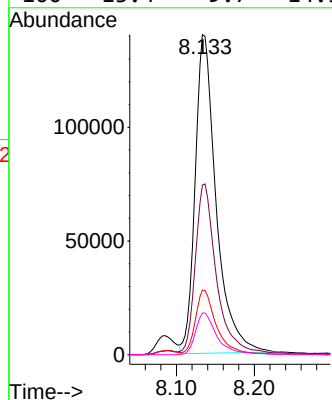
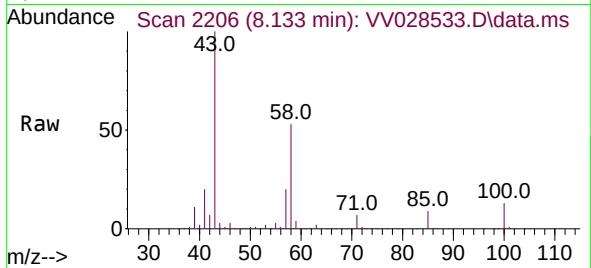


#48
2-Hexanone
Concen: 98.465 ug/L
RT: 8.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

Tgt Ion: 43 Resp: 263308

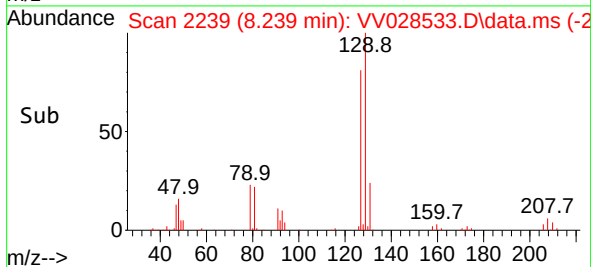
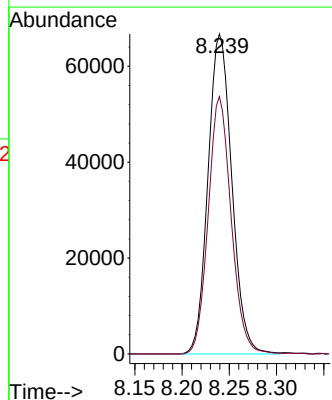
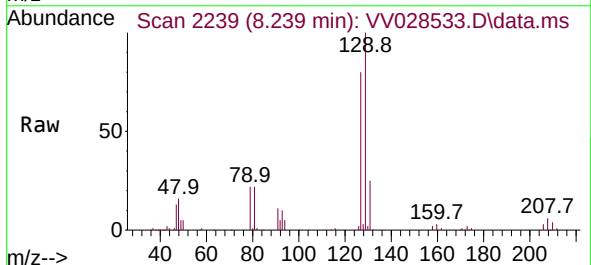
Ion	Ratio	Lower	Upper
43	100		
58	52.7	43.9	65.9
57	19.9	15.1	22.7
100	13.4	9.7	14.5

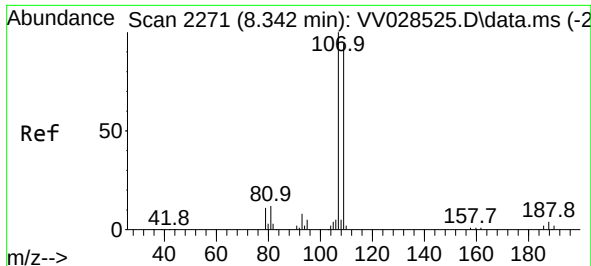


#49
Dibromochloromethane
Concen: 57.584 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 129 Resp: 117092

Ion	Ratio	Lower	Upper
129	100		
127	80.4	53.6	99.6





#50

1,2-Dibromoethane

Concen: 51.801 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

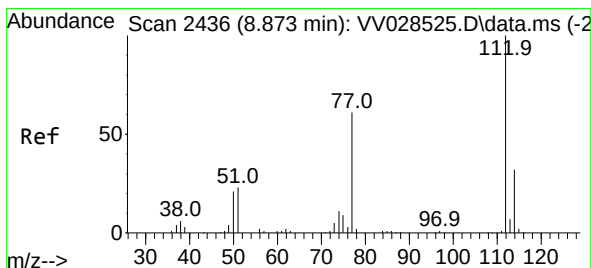
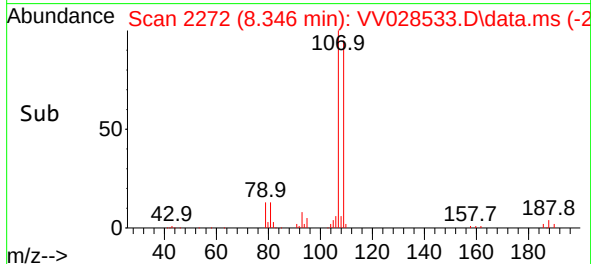
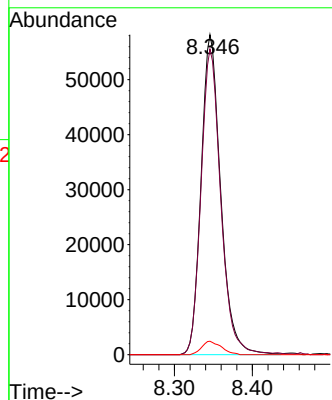
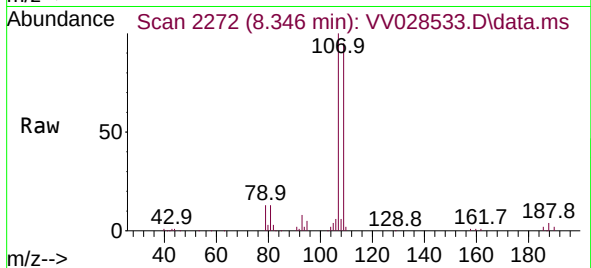
Tgt Ion:107 Resp: 101467

Ion Ratio Lower Upper

107 100

109 95.5 65.9 122.5

188 4.2 3.0 4.4



#51

Chlorobenzene

Concen: 56.117 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

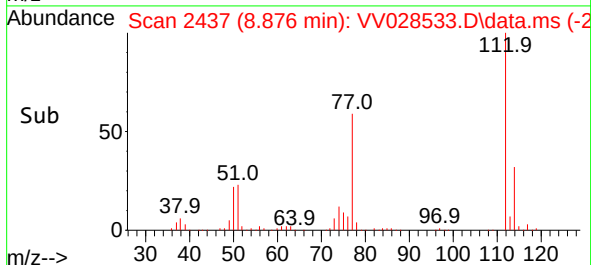
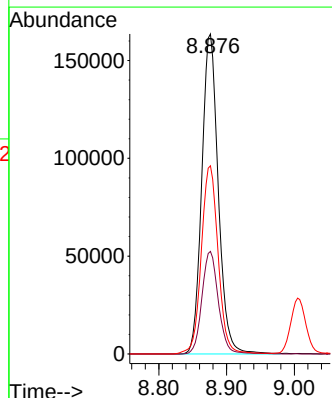
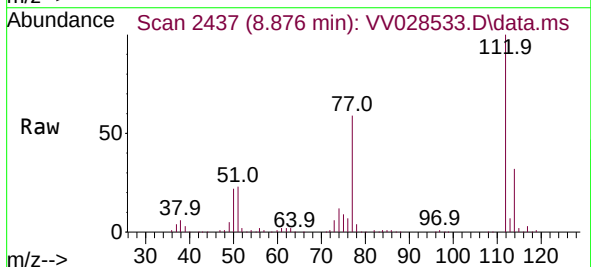
Tgt Ion:112 Resp: 276469

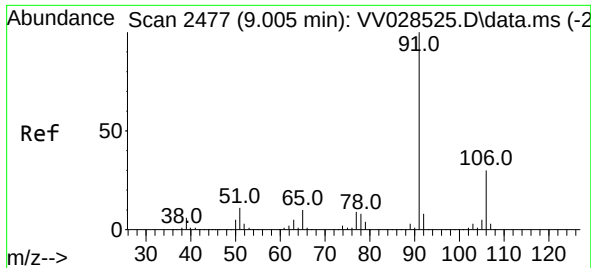
Ion Ratio Lower Upper

112 100

114 32.1 21.7 40.3

77 58.8 48.7 73.1

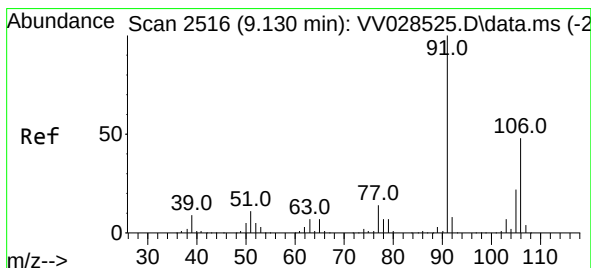
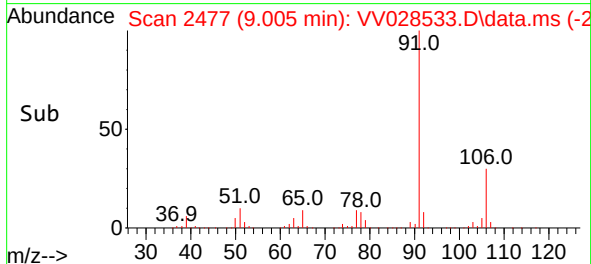
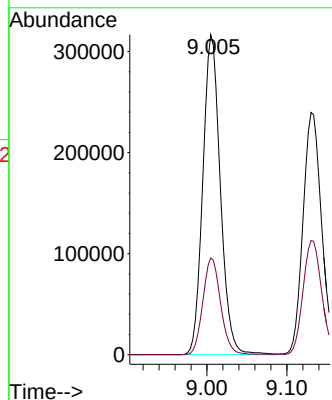
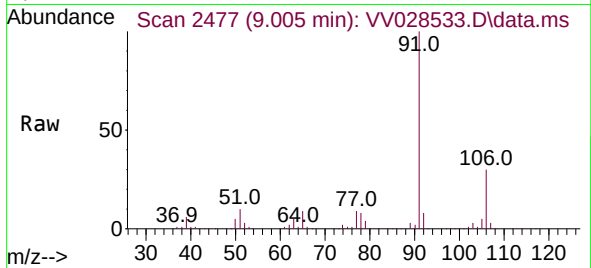




#52
Ethylbenzene
Concen: 56.558 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

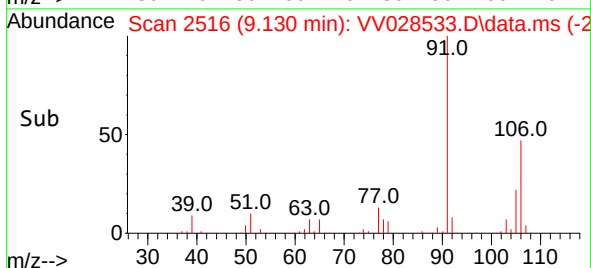
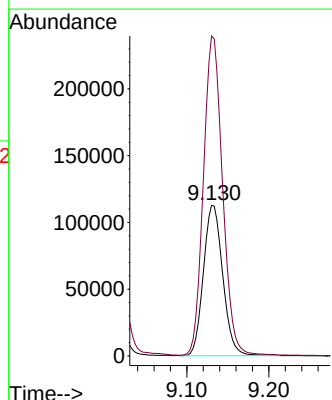
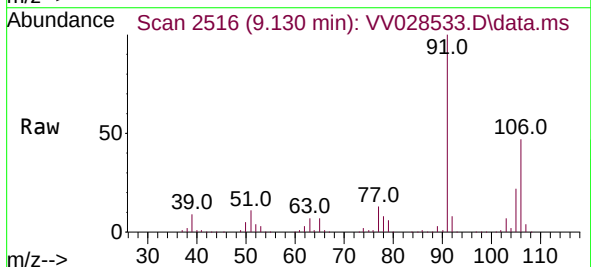
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

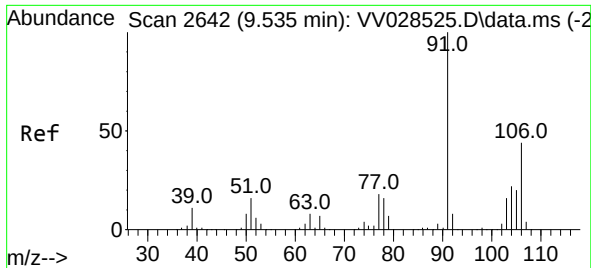
Tgt Ion: 91 Resp: 484061
Ion Ratio Lower Upper
91 100
106 30.3 21.4 39.8



#53
m,p-Xylene
Concen: 56.825 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 106 Resp: 184341
Ion Ratio Lower Upper
106 100
91 212.2 145.2 269.6

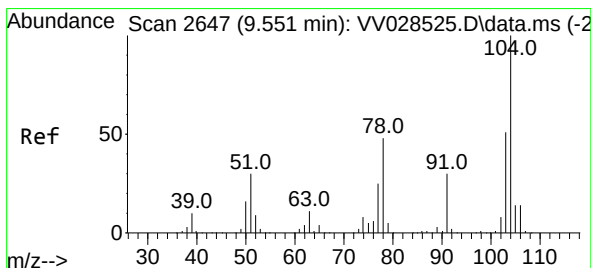
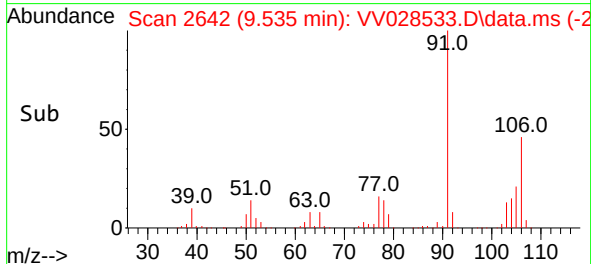
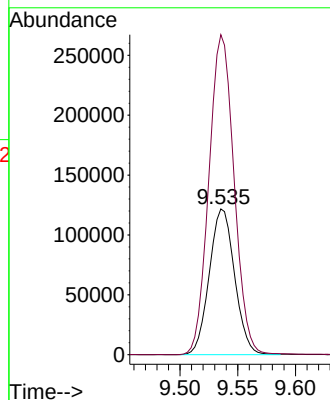
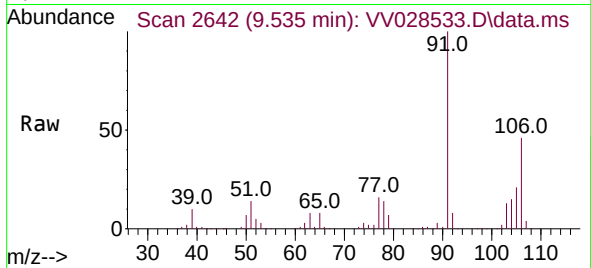




#54
o-Xylene
Concen: 57.241 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

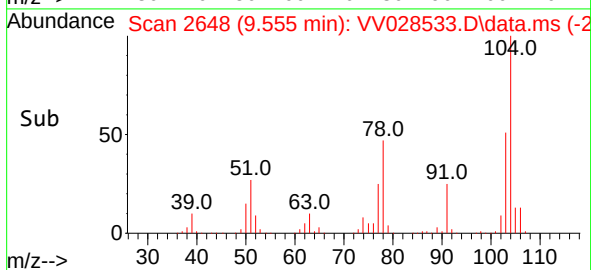
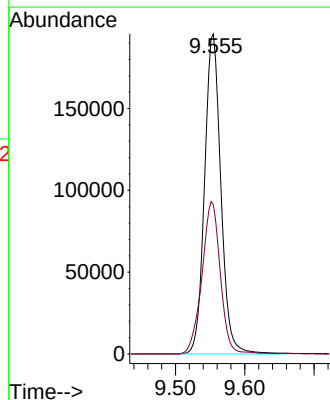
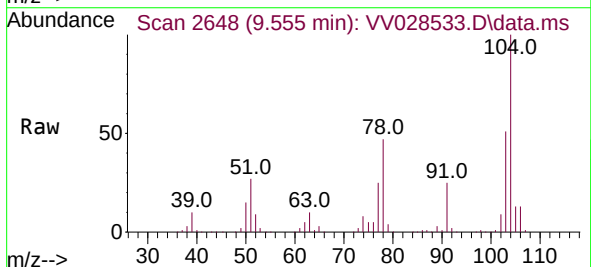
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

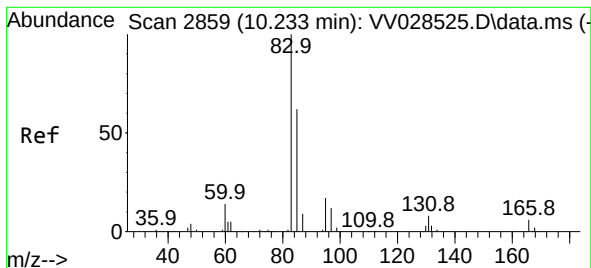
Tgt Ion:106 Resp: 185928
Ion Ratio Lower Upper
106 100
91 219.6 152.5 283.3



#55
Styrene
Concen: 57.299 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion:104 Resp: 319619
Ion Ratio Lower Upper
104 100
78 46.7 31.9 59.2

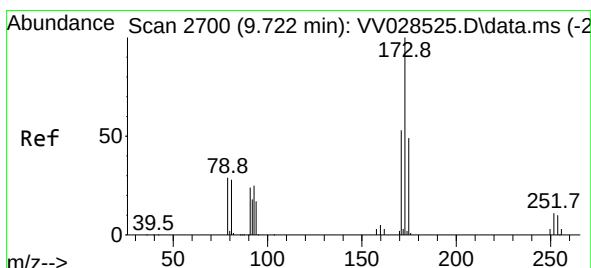
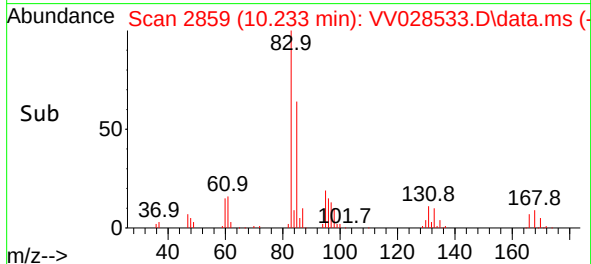
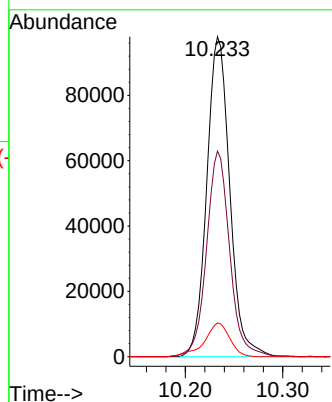
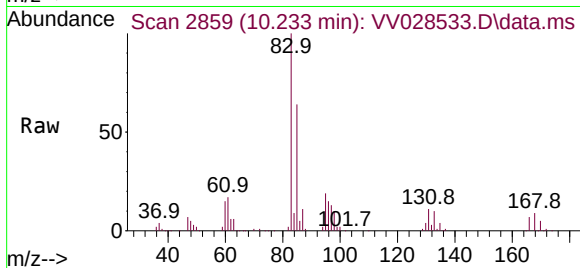




#57
 1,1,2-Tetrachloroethane
 Concen: 49.519 ug/L
 RT: 10.233 min Scan# 2859
 Delta R.T. 0.000 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

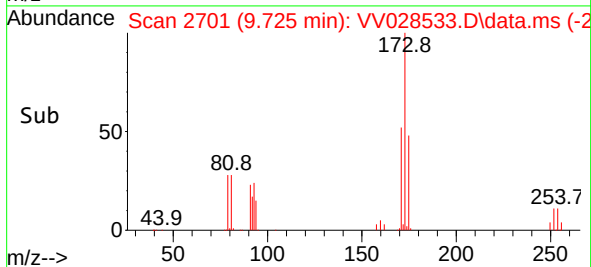
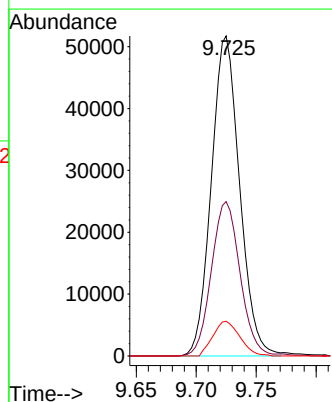
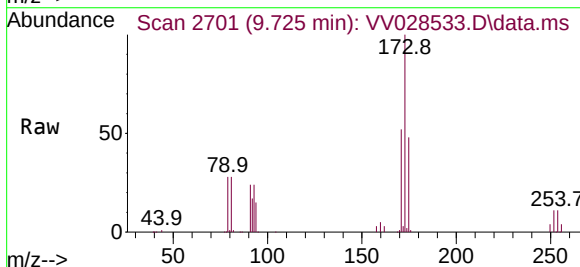
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050360

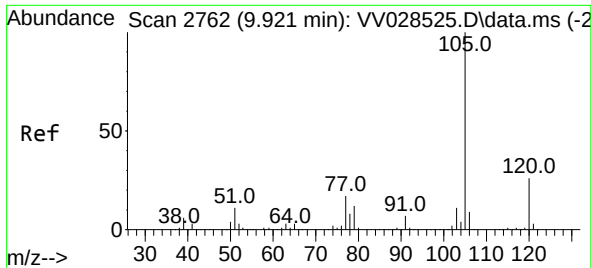
Tgt Ion: 83 Resp: 160430
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.8 83.2
 131 10.5 7.2 10.8



#59
 Bromoform
 Concen: 53.408 ug/L
 RT: 9.725 min Scan# 2701
 Delta R.T. 0.003 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

Tgt Ion: 173 Resp: 84715
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.6 57.8
 254 10.3 8.4 12.6

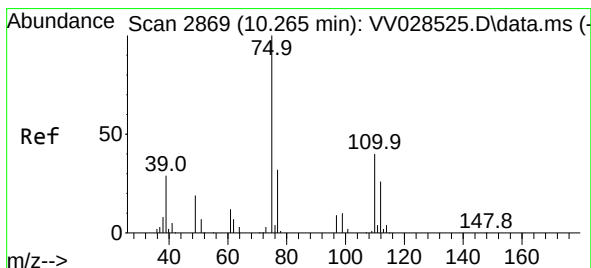
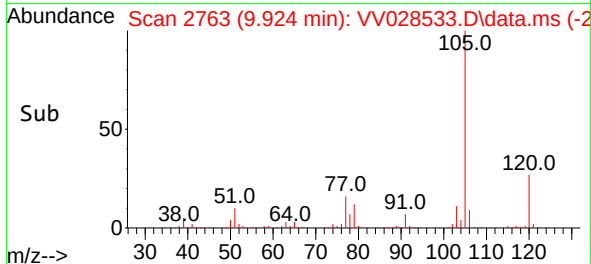
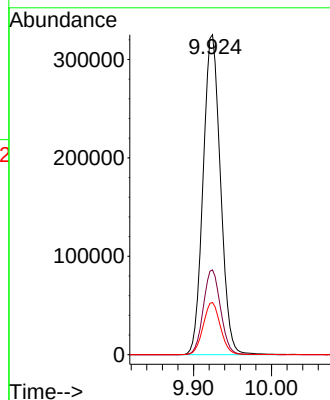
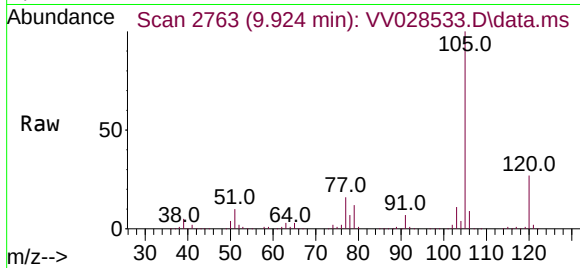




#60
Isopropylbenzene
Concen: 54.491 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

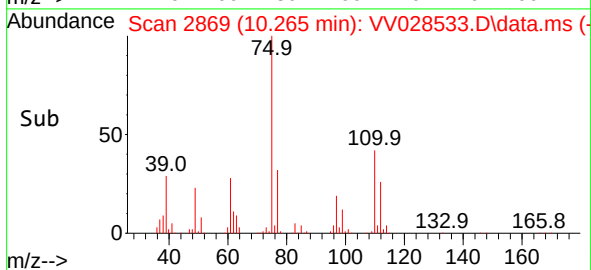
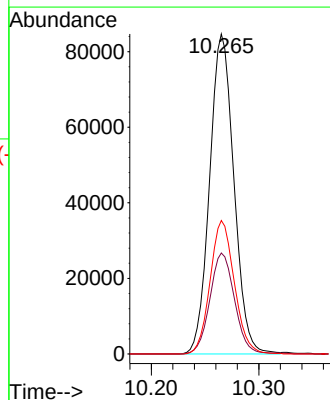
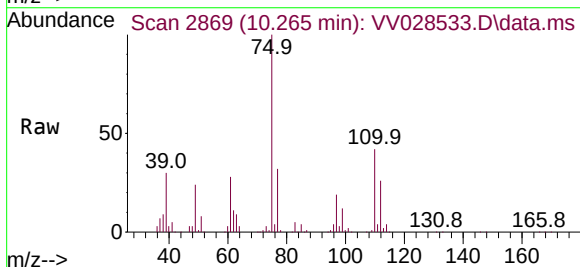
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

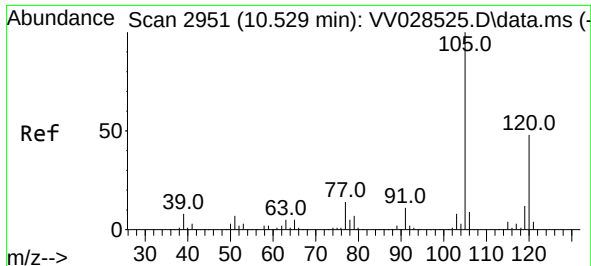
Tgt Ion:105 Resp: 502949
Ion Ratio Lower Upper
105 100
120 26.4 20.5 30.7
77 16.2 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 48.724 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion: 75 Resp: 132864
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 41.6 30.0 45.0





#62

1,3,5-Trimethylbenzene

Concen: 54.777 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

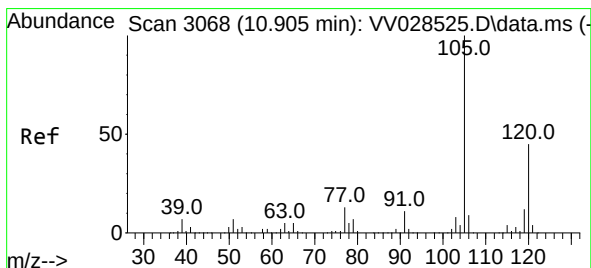
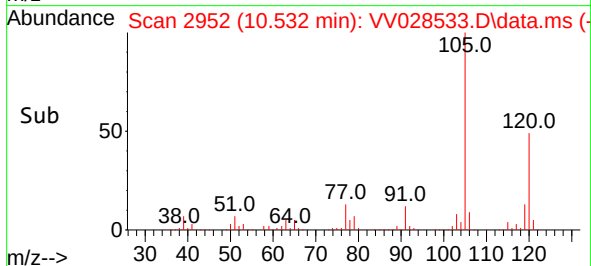
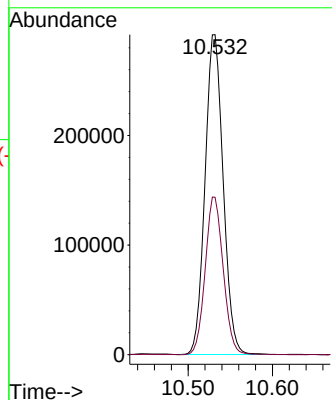
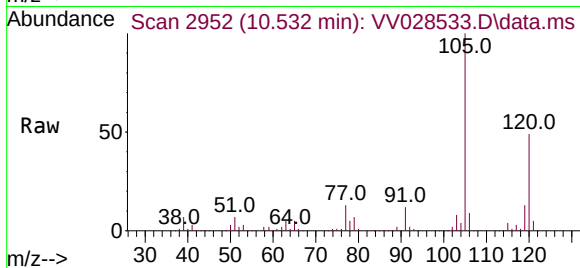
VSTD050360

Tgt Ion:105 Resp: 437887

Ion Ratio Lower Upper

105 100

120 49.0 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 54.400 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV028533.D

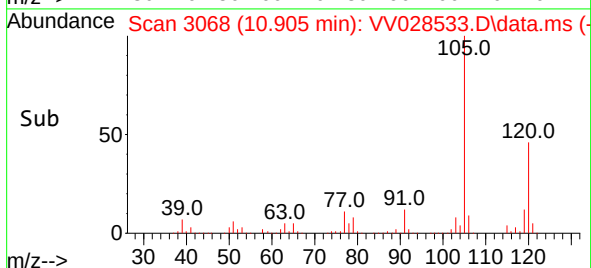
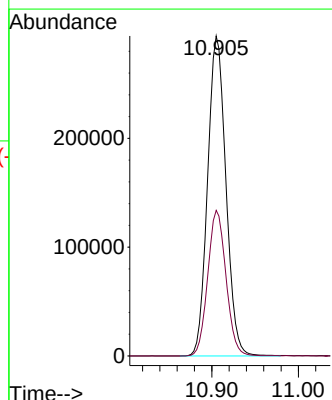
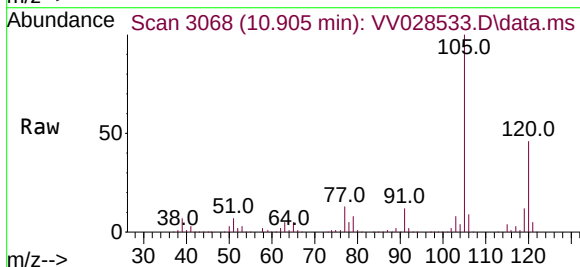
Acq: 12 Oct 2022 17:36

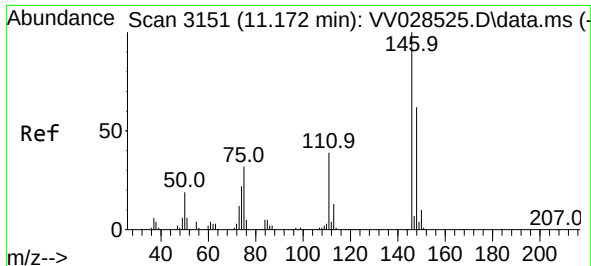
Tgt Ion:105 Resp: 431651

Ion Ratio Lower Upper

105 100

120 45.4 35.9 53.9

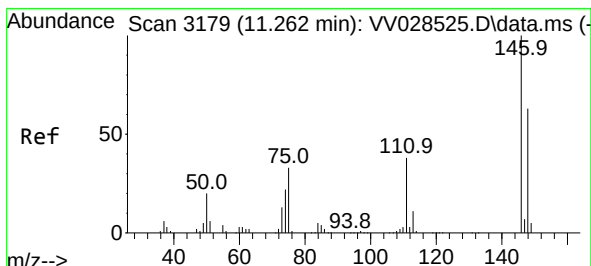
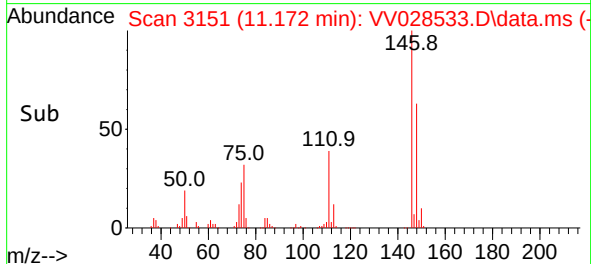
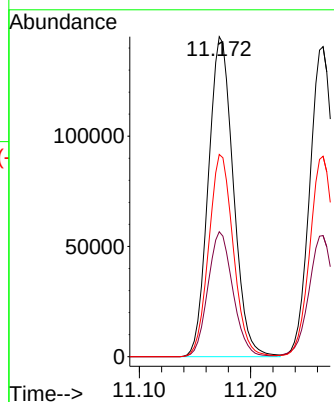
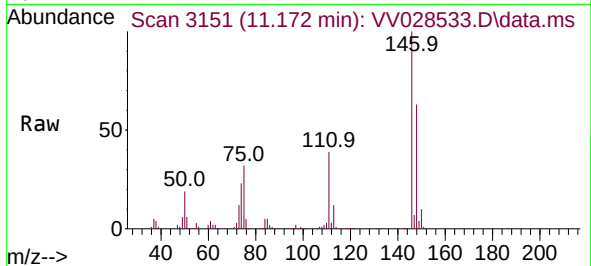




#64
1,3-Dichlorobenzene
Concen: 56.112 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

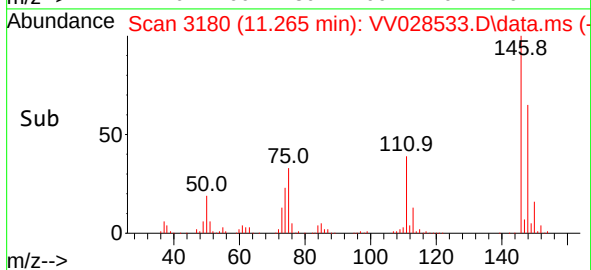
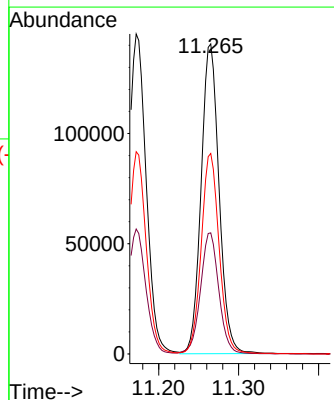
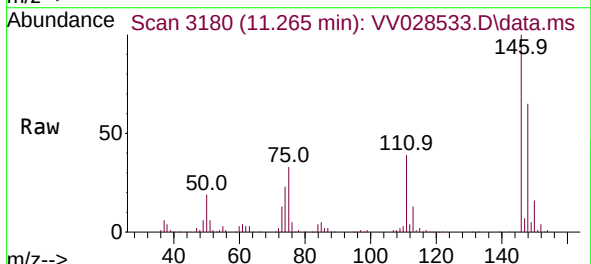
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

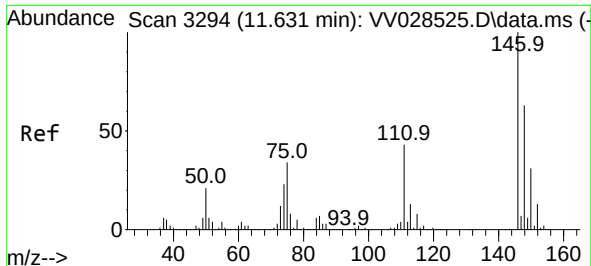
Tgt Ion:146 Resp: 226526
Ion Ratio Lower Upper
146 100
111 39.1 29.0 53.9
148 63.2 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 54.681 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VV028533.D
Acq: 12 Oct 2022 17:36

Tgt Ion:146 Resp: 220267
Ion Ratio Lower Upper
146 100
111 39.1 26.6 49.4
148 64.6 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 55.537 ug/L

RT: 11.635 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

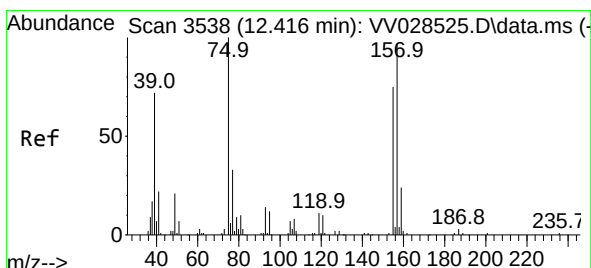
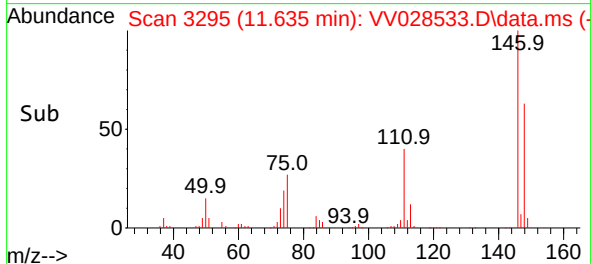
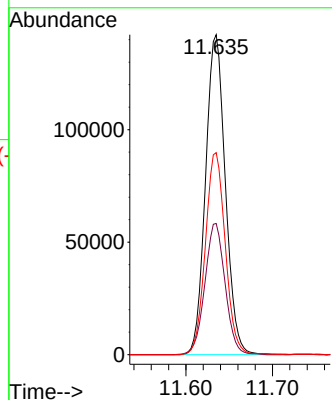
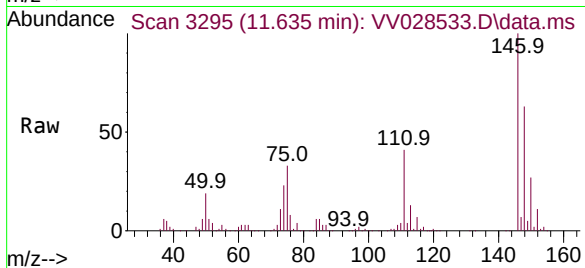
Tgt Ion:146 Resp: 226284

Ion Ratio Lower Upper

146 100

111 41.0 33.9 50.9

148 63.1 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.115 ug/L

RT: 12.416 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

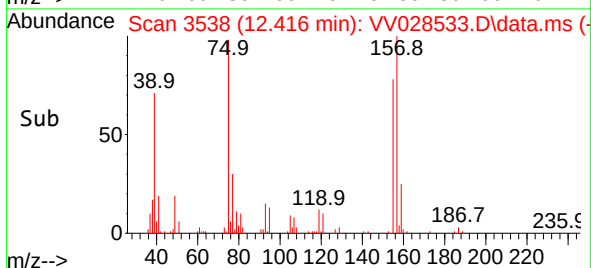
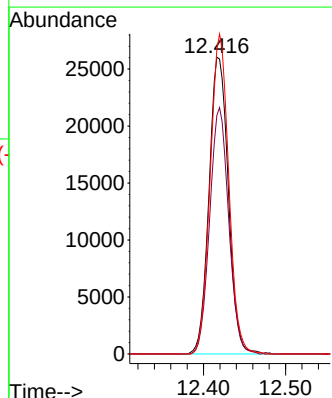
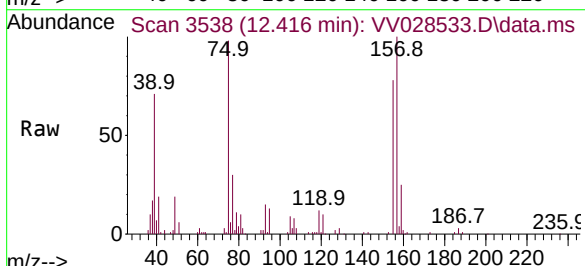
Tgt Ion: 75 Resp: 42654

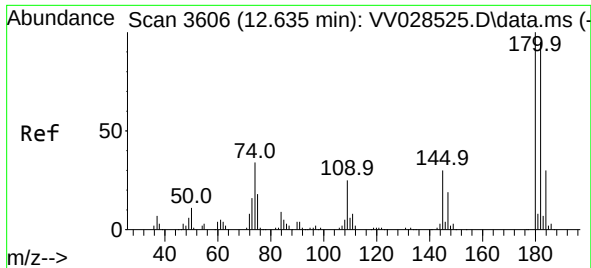
Ion Ratio Lower Upper

75 100

155 80.3 65.0 97.6

157 102.5 86.0 129.0

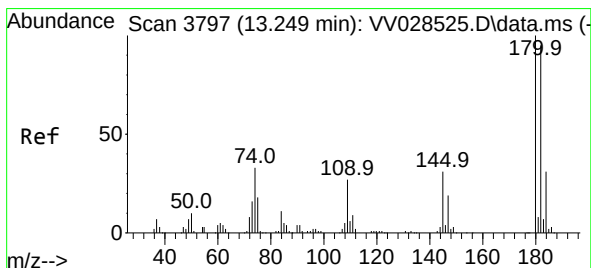
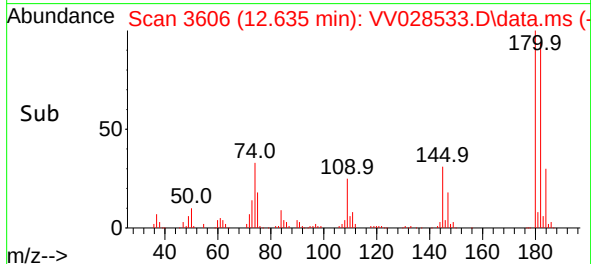
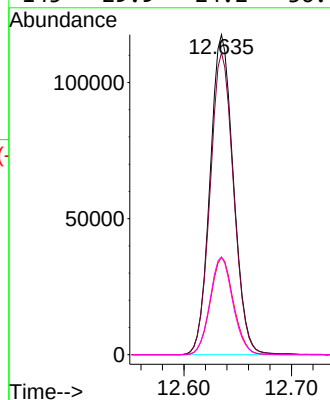
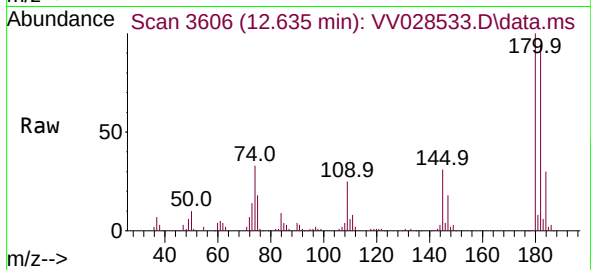




#69
 1,3,5-Trichlorobenzene
 Concen: 57.972 ug/L
 RT: 12.635 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

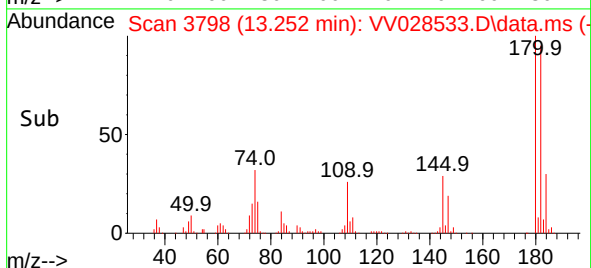
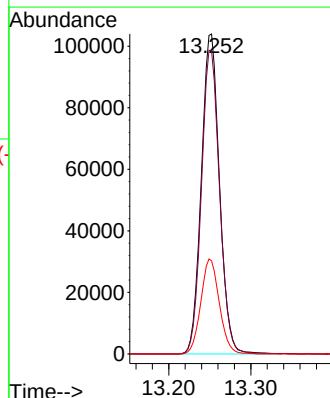
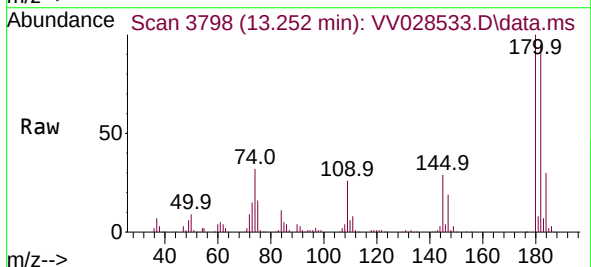
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050360

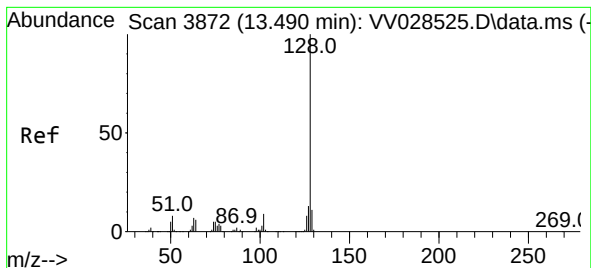
Tgt Ion:180 Resp: 177752
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 30.1 24.0 36.0
 145 29.9 24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 59.116 ug/L
 RT: 13.252 min Scan# 3798
 Delta R.T. 0.003 min
 Lab File: VV028533.D
 Acq: 12 Oct 2022 17:36

Tgt Ion:180 Resp: 159764
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.3 112.9
 145 30.2 24.3 36.5





#71

Naphthalene

Concen: 57.111 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

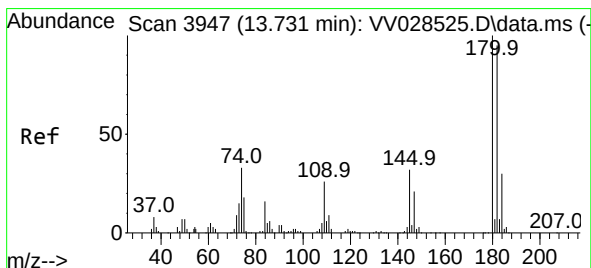
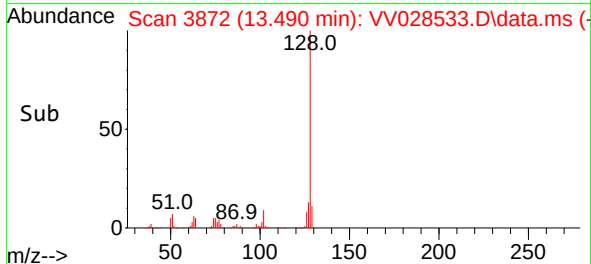
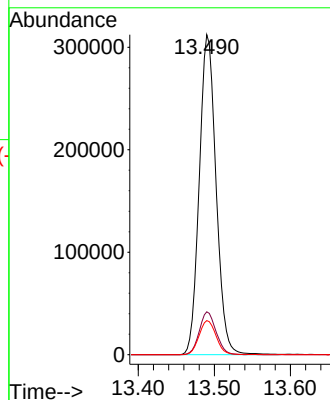
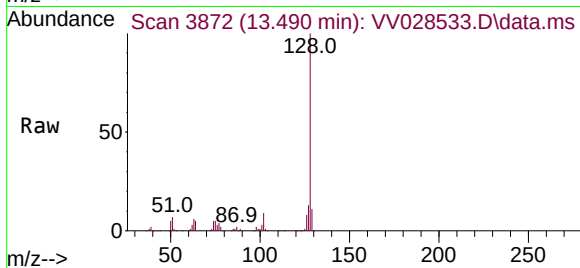
Tgt Ion:128 Resp: 480059

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 60.757 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV028533.D

Acq: 12 Oct 2022 17:36

Tgt Ion:180 Resp: 160088

Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.0

145 31.9 26.5 39.7

