

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092822\
 Data File : VW028173.D
 Acq On : 28 Sep 2022 21:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005308

Quant Time: Sep 29 01:32:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 29 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	174723	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	169958	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	87860	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	77853	4.298	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.561	69	63447	4.406	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.098	63	129990	4.138	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	3.896	46	139550	45.633	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.260%
24) Chloroform-d	4.339	84	140824	4.872	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.027	65	63636	4.627	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.040	84	278717	5.001	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	6.063	67	81648	4.700	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.310	98	266404	5.281	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
43) trans-1,3-Dichloroprop...	7.619	79	28788	4.587	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.085	63	121280	46.304	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.600%
56) 1,1,2,2-Tetrachloroeth...	10.211	84	48625	4.095	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	84202	4.886	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	57201	4.383	ug/L	90
3) Chloromethane	1.233	50	53340	3.086	ug/L	96
5) Vinyl chloride	1.304	62	59429	4.386	ug/L	98
6) Bromomethane	1.516	94	23110	2.619	ug/L	96
8) Chloroethane	1.577	64	41333	4.549	ug/L	92
9) Trichlorofluoromethane	1.745	101	102032	4.743	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	57592	4.645	ug/L	95
12) 1,1-Dichloroethene	2.111	96	52012	4.307	ug/L	82
13) Acetone	2.195	43	82504	35.026	ug/L	96
14) Carbon disulfide	2.285	76	106069	4.578	ug/L	99
15) Methyl Acetate	2.439	43	21311	4.661	ug/L	95
16) Methylene chloride	2.497	84	80715	5.988	ug/L	92
17) Methyl tert-butyl Ether	2.764	73	131700	5.070	ug/L	97
18) trans-1,2-Dichloroethene	2.751	96	54674	5.173	ug/L	95
19) 1,1-Dichloroethane	3.179	63	114136	4.950	ug/L	98
21) 2-Butanone	3.982	43	133430	45.754	ug/L	96
22) cis-1,2-Dichloroethene	3.902	96	65662	4.734	ug/L	93
23) Bromochloromethane	4.240	128	29603	5.330	ug/L	# 87
25) Chloroform	4.365	83	125164	5.059	ug/L	98

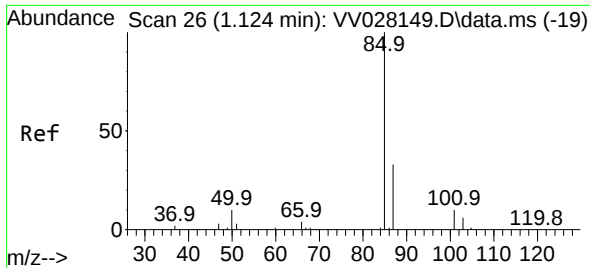
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 Data File : VW028173.D
 Acq On : 28 Sep 2022 21:22
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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 29 01:32:45 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	62987	4.774	ug/L	97
29) 1,1,1-Trichloroethane	4.597	97	104879	5.022	ug/L	98
30) Cyclohexane	4.667	56	69598	4.608	ug/L	92
31) Carbon tetrachloride	4.815	117	88878	5.172	ug/L	98
33) Benzene	5.089	78	242871	5.146	ug/L	100
34) Trichloroethene	5.905	95	60397	5.141	ug/L	92
35) Methylcyclohexane	6.124	83	77912	4.836	ug/L	95
37) 1,2-Dichloropropane	6.166	63	63324	4.786	ug/L	99
38) Bromodichloromethane	6.503	83	83662	5.122	ug/L	97
39) cis-1,3-Dichloropropene	7.024	75	81889	4.983	ug/L	96
40) 4-Methyl-2-pentanone	7.223	43	317619	49.435	ug/L	96
42) Toluene	7.381	91	261953	5.321	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	68064	4.815	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	45867	5.172	ug/L	99
47) Tetrachloroethene	7.969	164	51337	5.474	ug/L	94
48) 2-Hexanone	8.137	43	229676	47.089	ug/L #	96
49) Dibromochloromethane	8.240	129	55250	5.181	ug/L	100
50) 1,2-Dibromoethane	8.349	107	39346	5.105	ug/L	98
51) Chlorobenzene	8.876	112	176911	5.358	ug/L	96
52) Ethylbenzene	9.008	91	270450	5.193	ug/L	98
53) m,p-Xylene	9.133	106	107812	5.402	ug/L	98
54) o-Xylene	9.539	106	105074	5.331	ug/L	100
55) Styrene	9.558	104	190868	5.589	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.236	83	45678	4.420	ug/L	98
59) Bromoform	9.728	173	29848	5.351	ug/L	98
60) Isopropylbenzene	9.928	105	281657	5.462	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	33573	4.556	ug/L	96
62) 1,3,5-Trimethylbenzene	10.535	105	72211	4.971	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	203128	5.003	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	135747	5.290	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	133990	5.219	ug/L	98
67) 1,2-Dichlorobenzene	11.638	146	124645	5.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.423	75	7740	4.792	ug/L	97
69) 1,3,5-Trichlorobenzene	12.641	180	115875	5.705	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	95483	5.878	ug/L	99
71) Naphthalene	13.497	128	127016	4.775	ug/L	99
72) 1,2,3-Trichlorobenzene	13.738	180	78258	5.326	ug/L	99

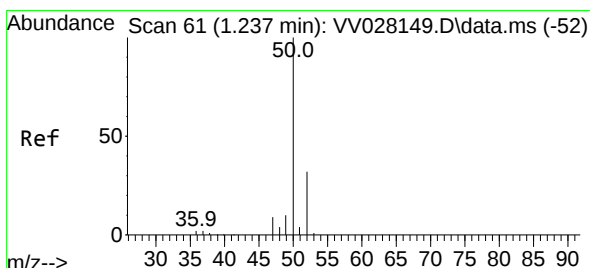
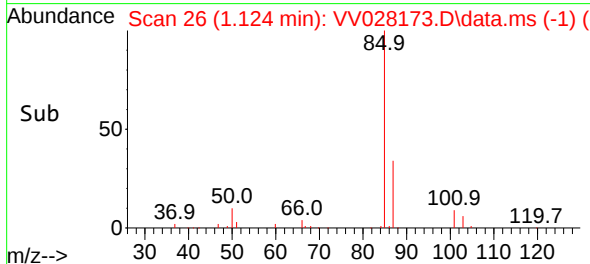
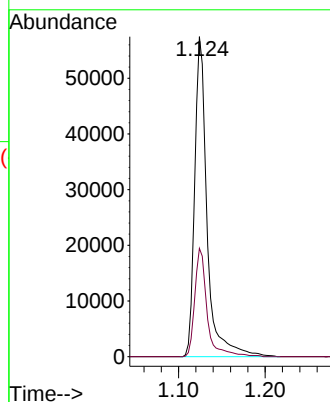
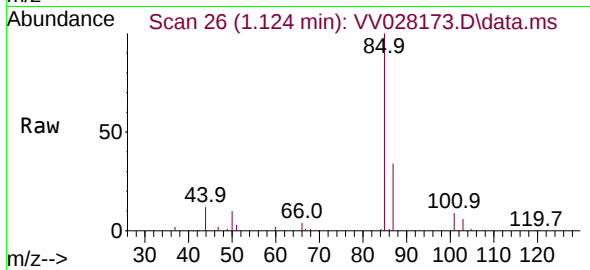
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.383 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV028173.D
 Acq: 28 Sep 2022 21:22

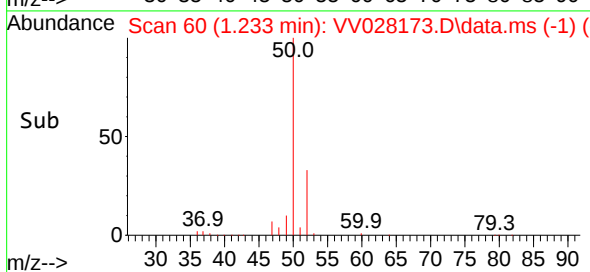
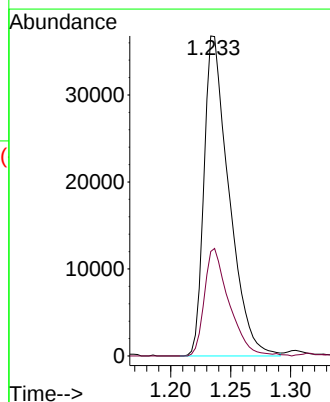
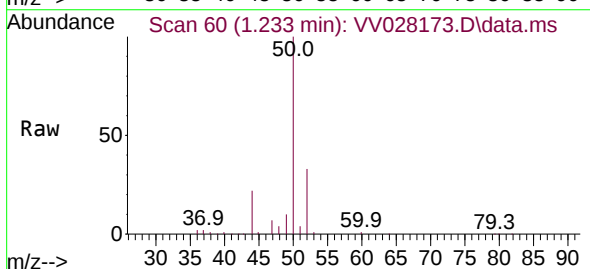
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005308

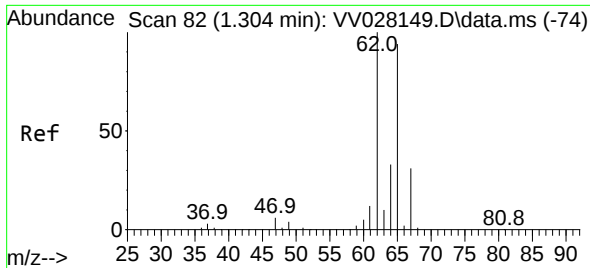
Tgt Ion: 85 Resp: 57201
 Ion Ratio Lower Upper
 85 100
 87 33.9 22.8 34.2



#3
 Chloromethane
 Concen: 3.086 ug/L
 RT: 1.233 min Scan# 60
 Delta R.T. -0.003 min
 Lab File: VV028173.D
 Acq: 28 Sep 2022 21:22

Tgt Ion: 50 Resp: 53340
 Ion Ratio Lower Upper
 50 100
 52 32.6 24.4 45.2

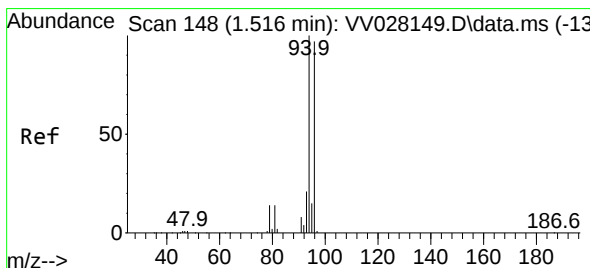
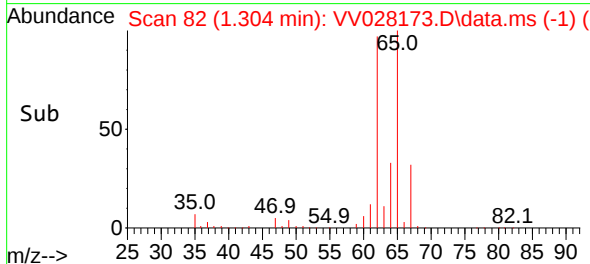
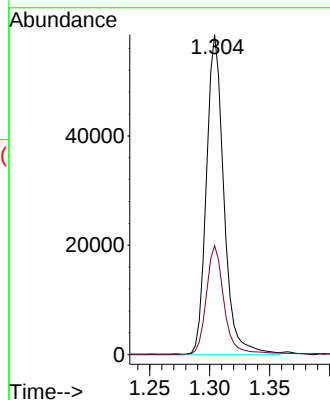
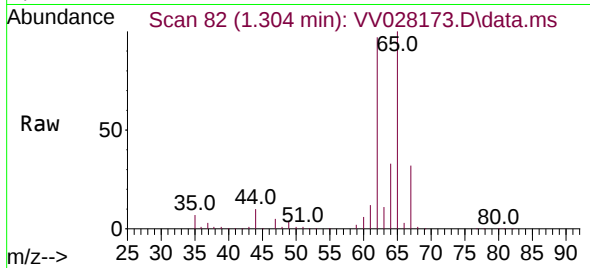




#5
 Vinyl chloride
 Concen: 4.386 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028173.D
 Acq: 28 Sep 2022 21:22

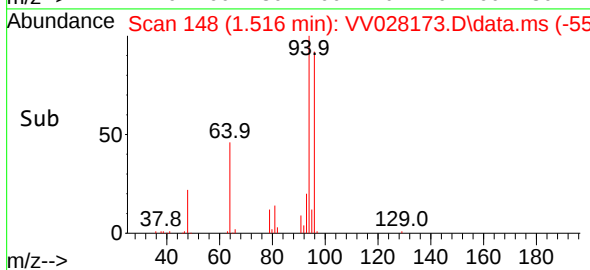
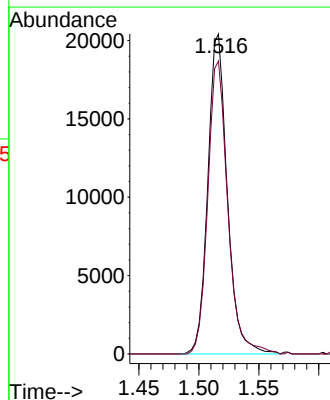
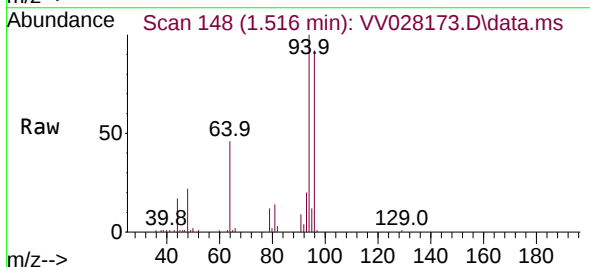
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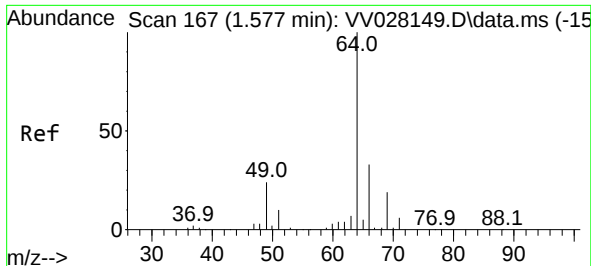
Tgt Ion: 62 Resp: 59429
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.0 42.8



#6
 Bromomethane
 Concen: 2.619 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VV028173.D
 Acq: 28 Sep 2022 21:22

Tgt Ion: 94 Resp: 23110
 Ion Ratio Lower Upper
 94 100
 96 91.5 66.7 123.9

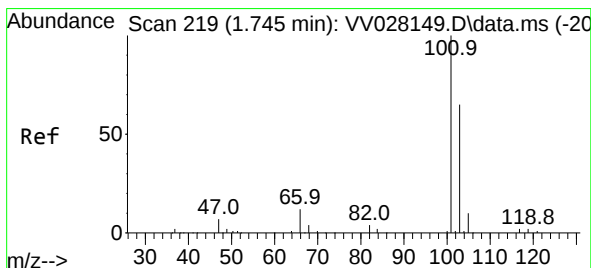
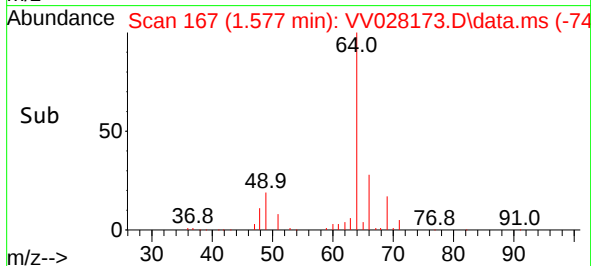
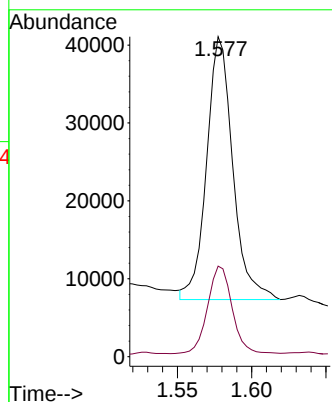
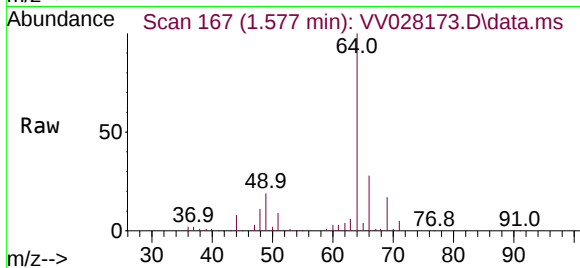




#8
Chloroethane
Concen: 4.549 ug/L
RT: 1.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

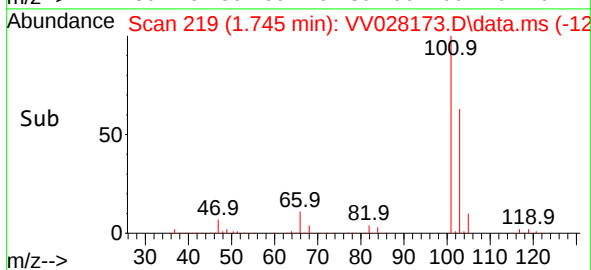
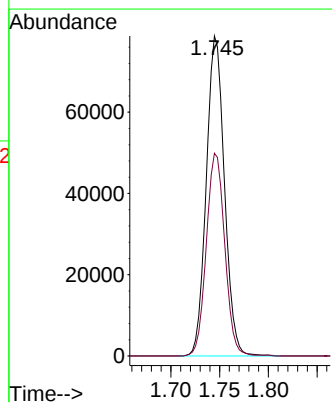
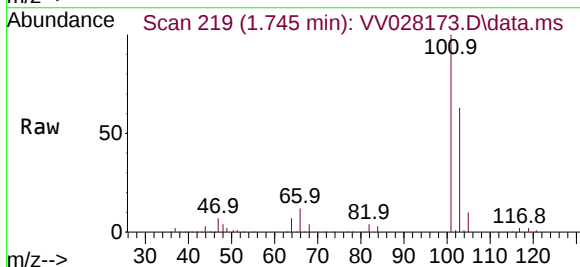
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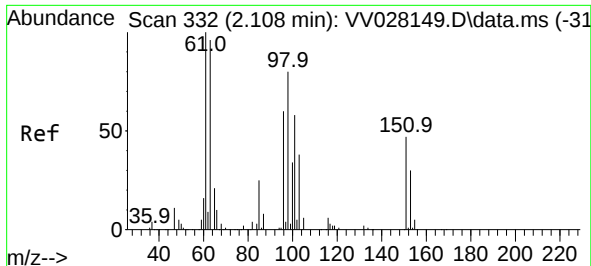
Tgt Ion: 64 Resp: 41333
Ion Ratio Lower Upper
64 100
66 28.3 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.743 ug/L
RT: 1.745 min Scan# 219
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion:101 Resp: 102032
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.645 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005308

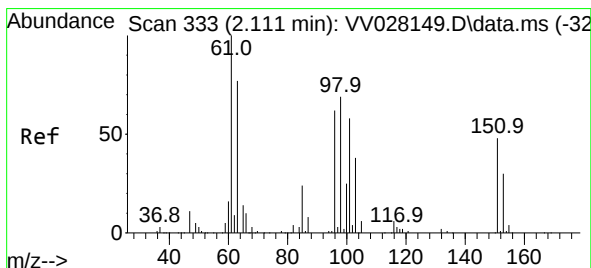
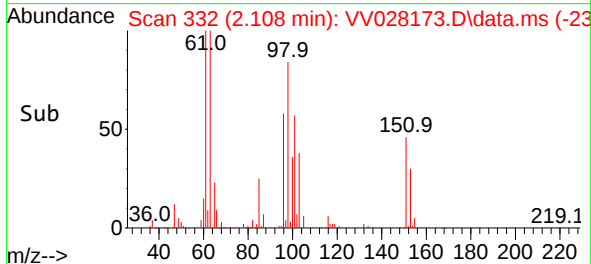
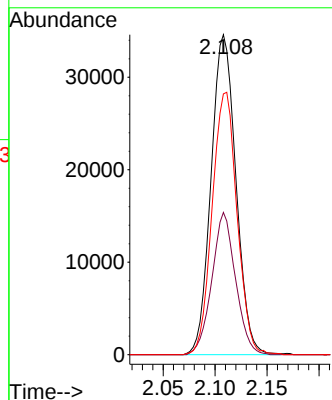
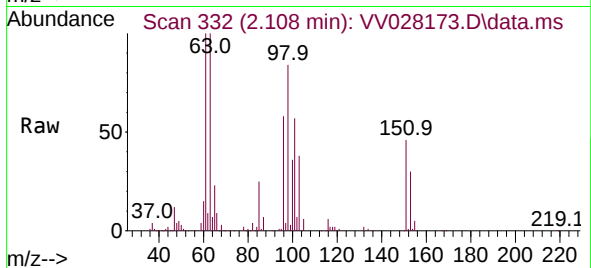
Tgt Ion:101 Resp: 57592

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

151 81.9 61.1 91.7



#12

1,1-Dichloroethene

Concen: 4.307 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

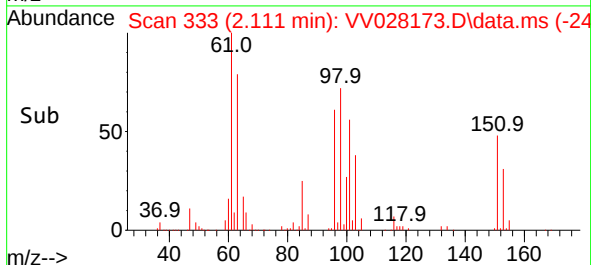
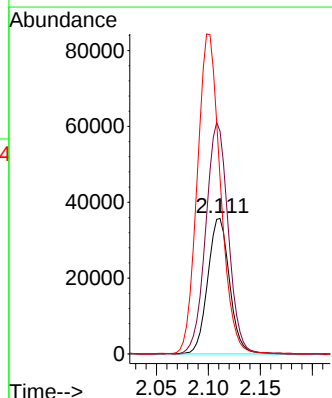
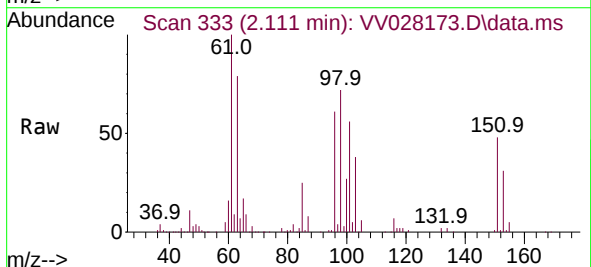
Tgt Ion: 96 Resp: 52012

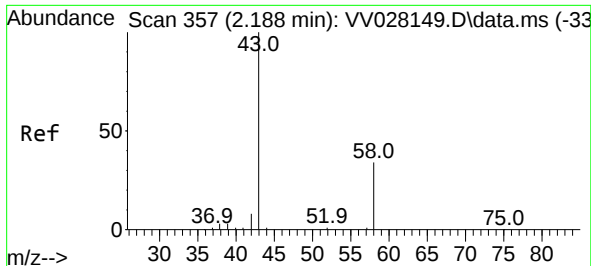
Ion Ratio Lower Upper

96 100

61 164.3 128.3 238.3

63 129.8 112.7 209.3





#13

Acetone

Concen: 35.026 ug/L

RT: 2.195 min Scan# 359

Delta R.T. 0.006 min

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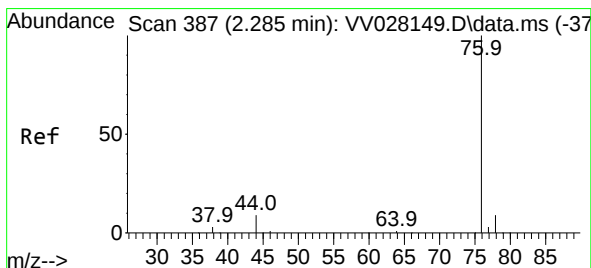
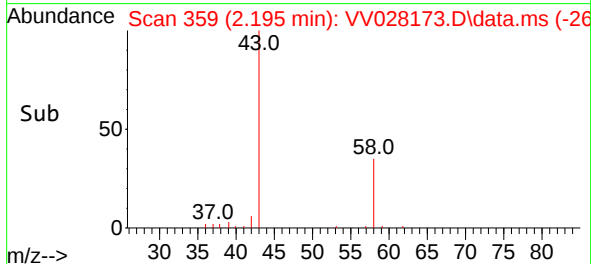
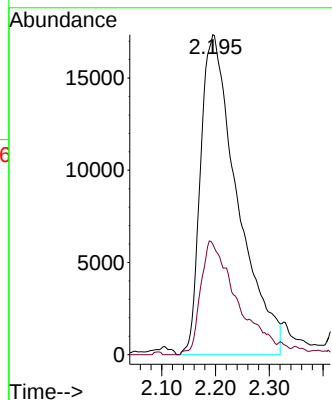
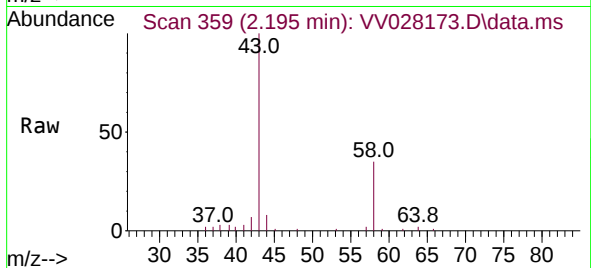
VSTD005308

Tgt Ion: 43 Resp: 82504

Ion Ratio Lower Upper

43 100

58 34.8 0.0 65.6



#14

Carbon disulfide

Concen: 4.578 ug/L

RT: 2.285 min Scan# 387

Delta R.T. 0.000 min

Lab File: VV028173.D

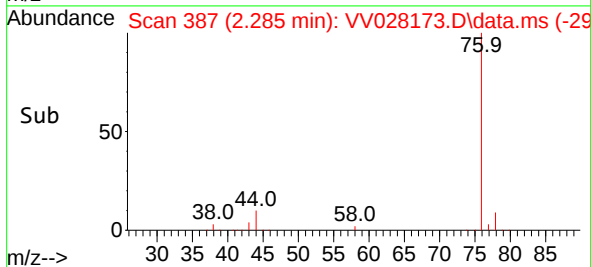
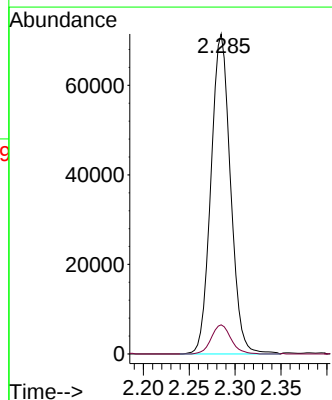
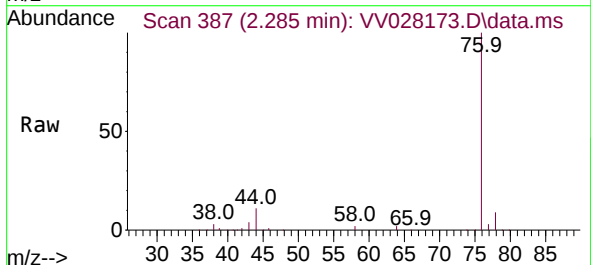
Acq: 28 Sep 2022 21:22

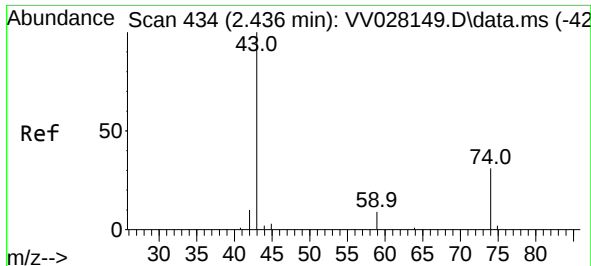
Tgt Ion: 76 Resp: 106069

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

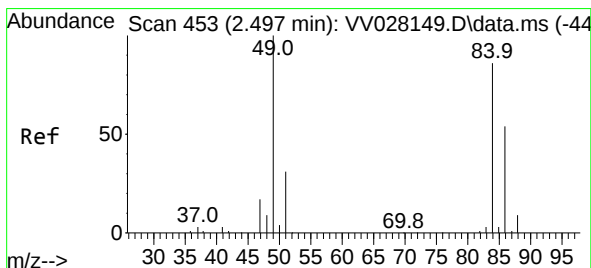
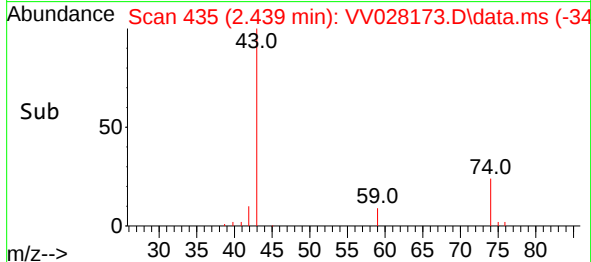
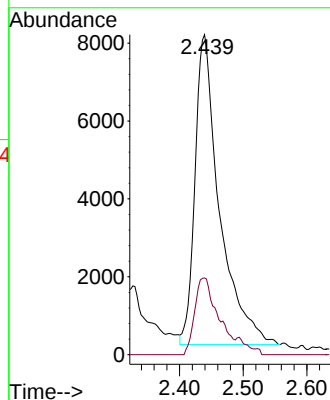
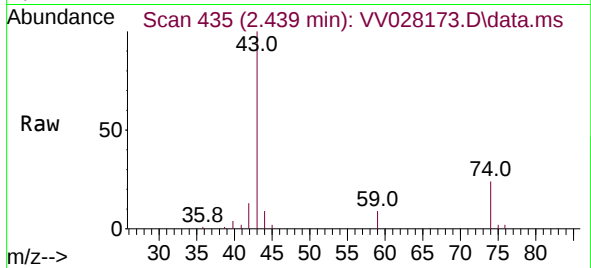




#15
Methyl Acetate
Concen: 4.661 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

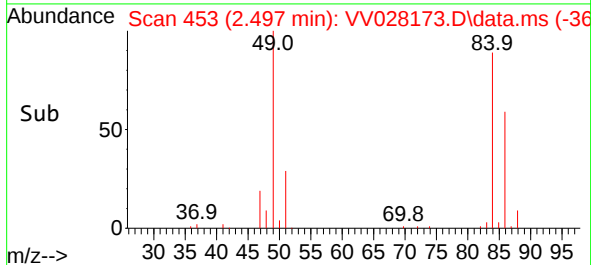
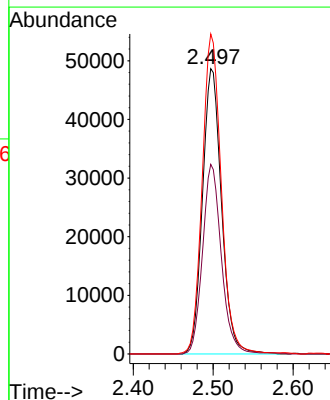
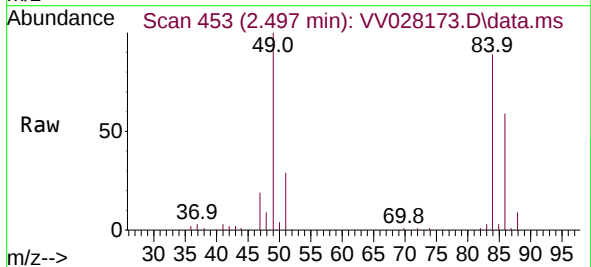
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

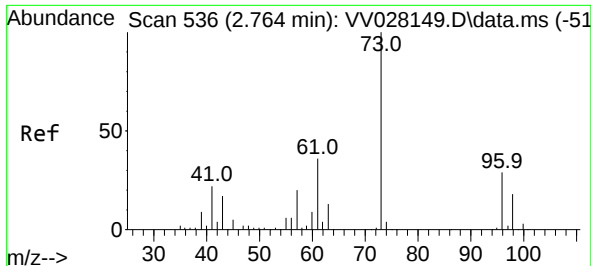
Tgt Ion: 43 Resp: 21311
Ion Ratio Lower Upper
43 100
74 23.5 16.9 25.3



#16
Methylene chloride
Concen: 5.988 ug/L
RT: 2.497 min Scan# 453
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 84 Resp: 80715
Ion Ratio Lower Upper
84 100
86 66.4 46.8 86.8
49 112.2 87.5 162.5

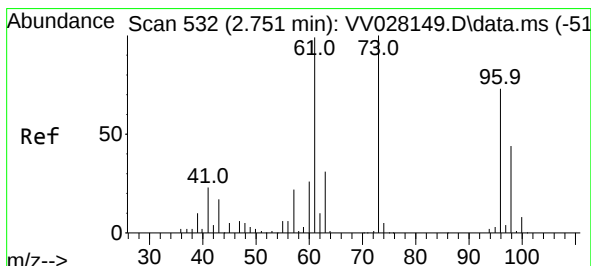
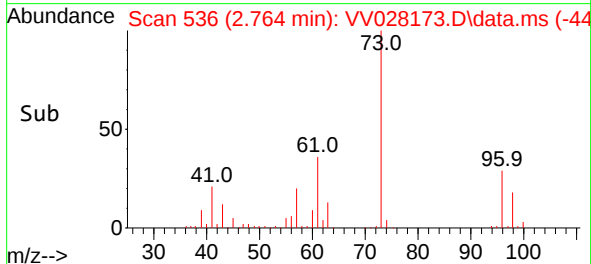
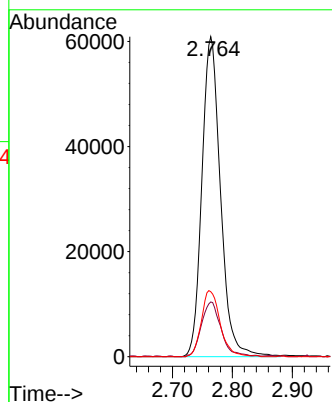
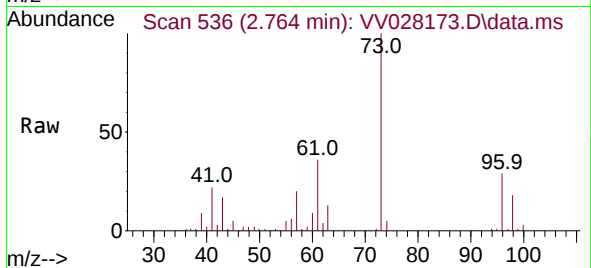




#17
Methyl tert-butyl Ether
Concen: 5.070 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

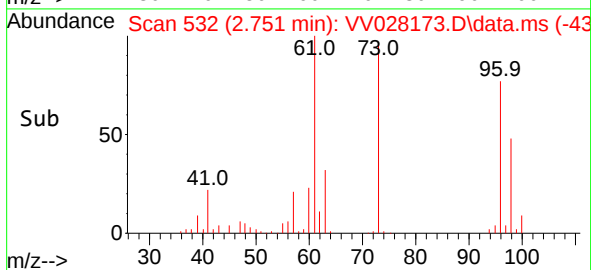
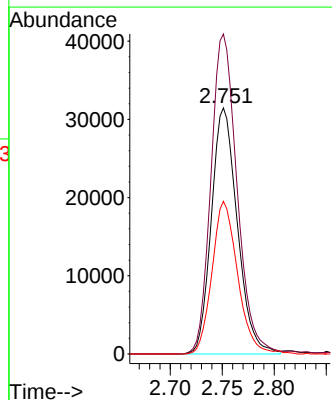
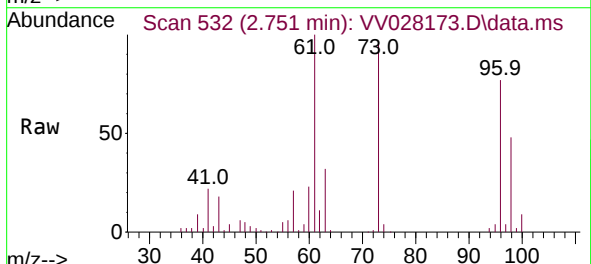
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

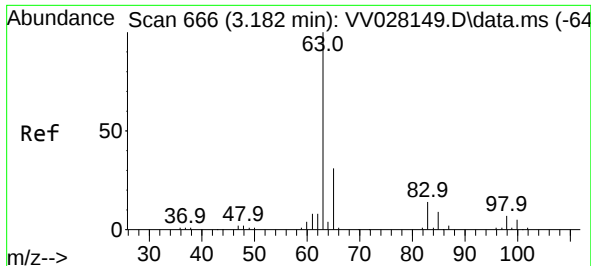
Tgt Ion: 73 Resp: 131700
Ion Ratio Lower Upper
73 100
43 18.1 15.7 23.5
57 20.8 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.173 ug/L
RT: 2.751 min Scan# 532
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 96 Resp: 54674
Ion Ratio Lower Upper
96 100
61 130.0 96.2 178.6
98 62.0 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.950 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005308

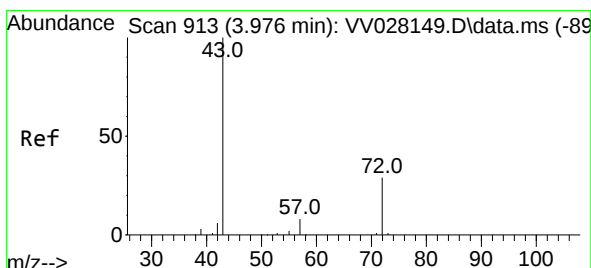
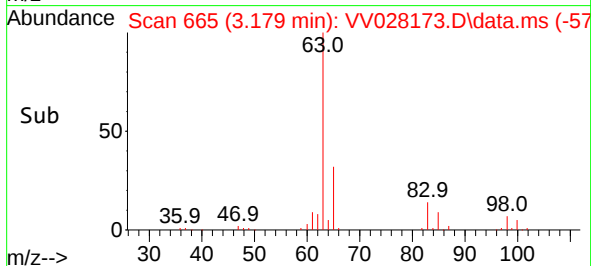
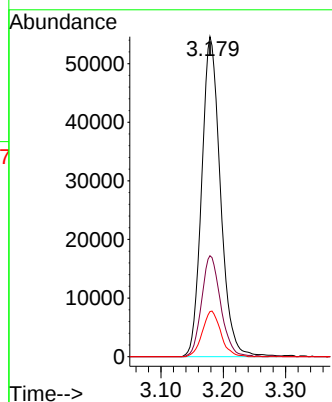
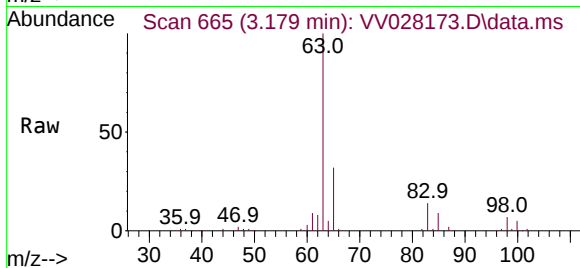
Tgt Ion: 63 Resp: 114136

Ion Ratio Lower Upper

63 100

65 31.6 23.0 42.8

83 14.1 9.2 17.2



#21

2-Butanone

Concen: 45.754 ug/L

RT: 3.982 min Scan# 915

Delta R.T. 0.006 min

Lab File: VV028173.D

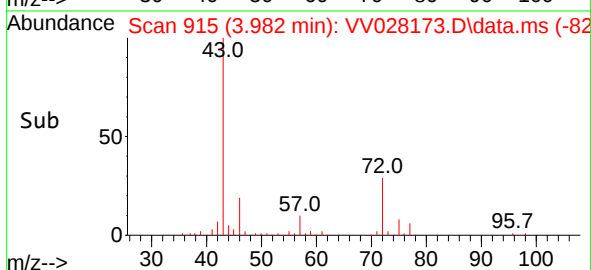
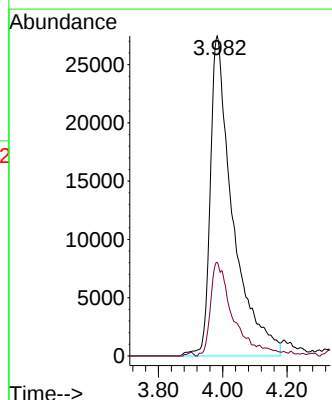
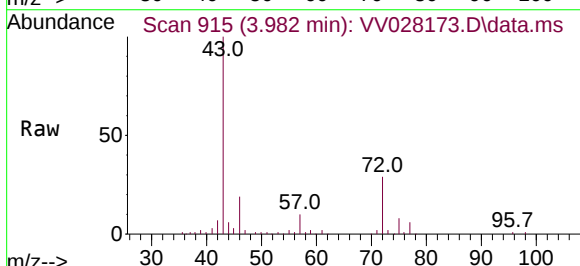
Acq: 28 Sep 2022 21:22

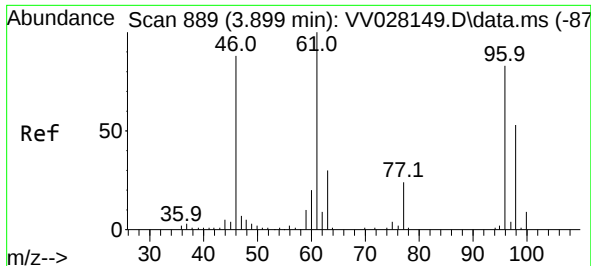
Tgt Ion: 43 Resp: 133430

Ion Ratio Lower Upper

43 100

72 27.3 12.7 38.1

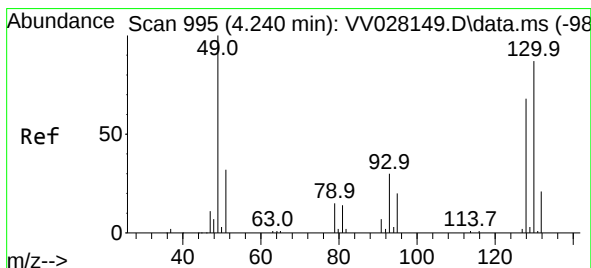
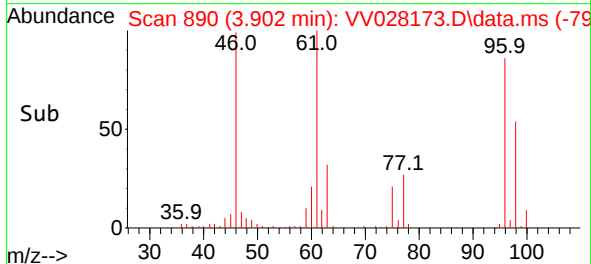
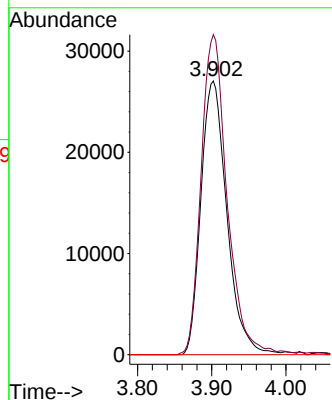
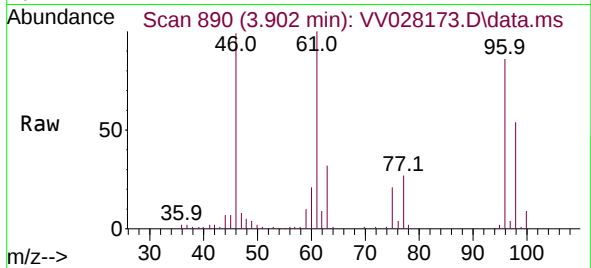




#22
 cis-1,2-Dichloroethene
 Concen: 4.734 ug/L
 RT: 3.902 min Scan# 889
 Delta R.T. 0.003 min
 Lab File: VV028173.D
 Acq: 28 Sep 2022 21:22

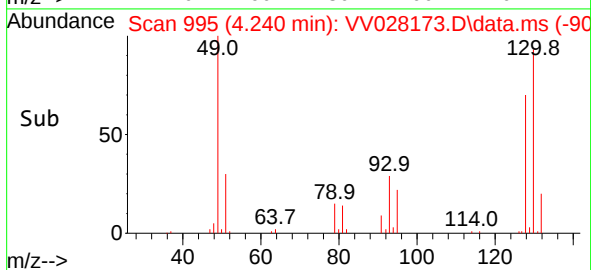
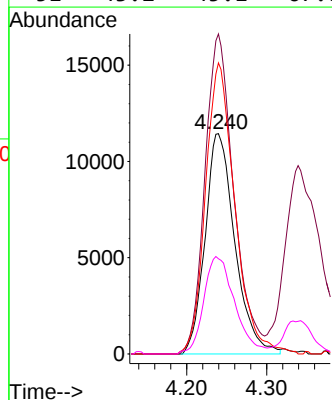
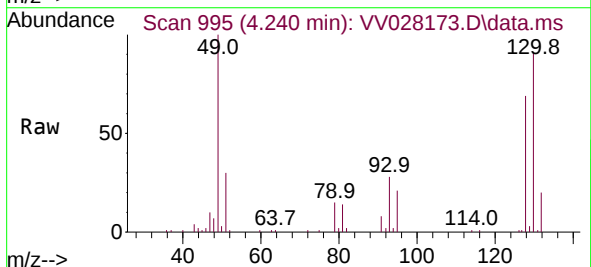
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005308

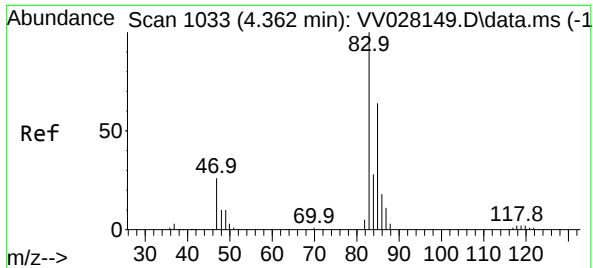
Tgt Ion: 96 Resp: 65662
 Ion Ratio Lower Upper
 96 100
 61 116.9 87.2 161.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.330 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. 0.000 min
 Lab File: VV028173.D
 Acq: 28 Sep 2022 21:22

Tgt Ion: 128 Resp: 29603
 Ion Ratio Lower Upper
 128 100
 49 145.3 119.9 222.7
 130 132.1 94.6 175.8
 51 43.2 45.1 67.7#





#25

Chloroform

Concen: 5.059 ug/L

RT: 4.365 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

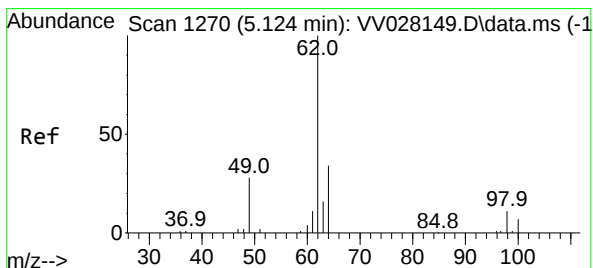
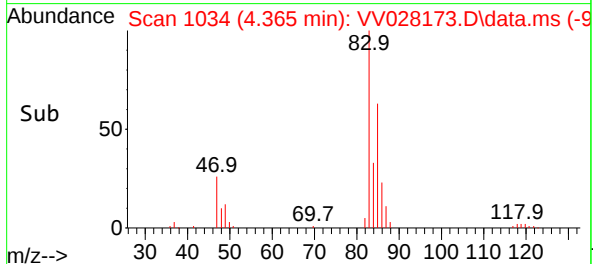
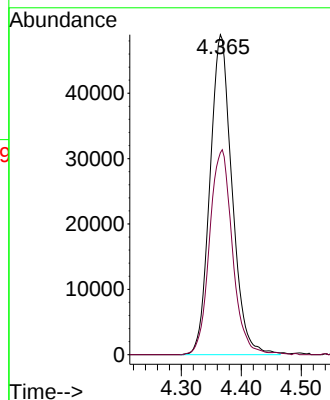
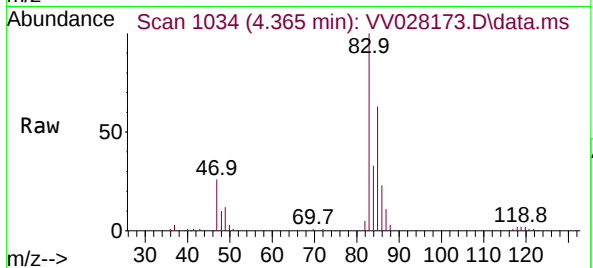
VSTD005308

Tgt Ion: 83 Resp: 125164

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7



#27

1,2-Dichloroethane

Concen: 4.774 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VV028173.D

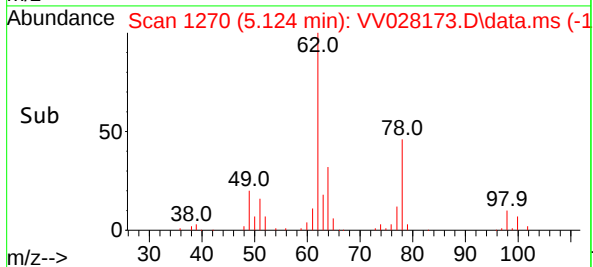
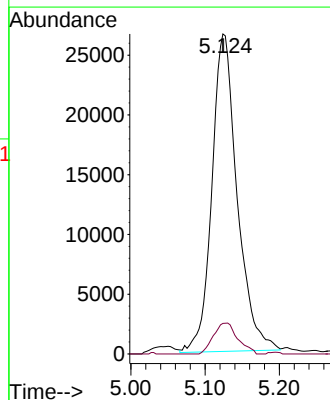
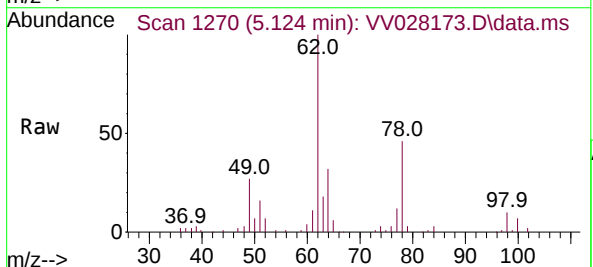
Acq: 28 Sep 2022 21:22

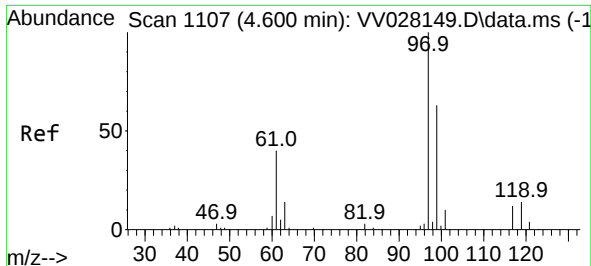
Tgt Ion: 62 Resp: 62987

Ion Ratio Lower Upper

62 100

98 9.6 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.022 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005308

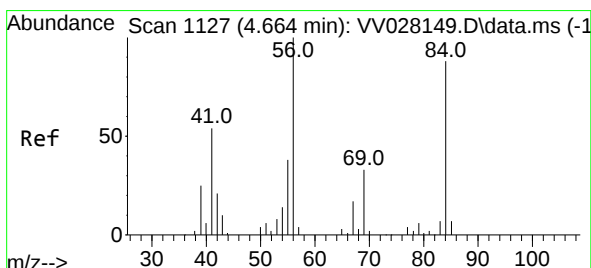
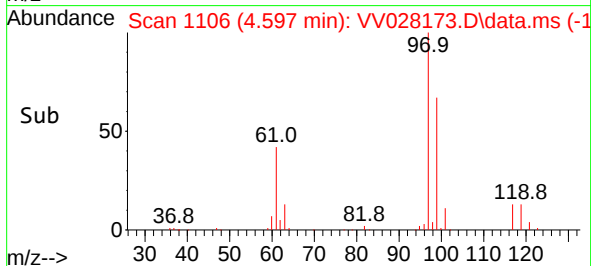
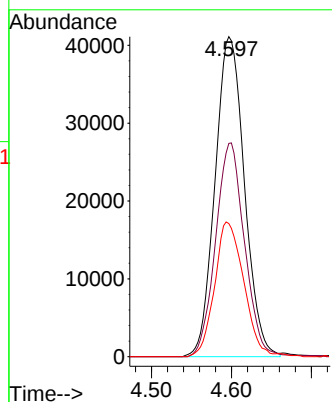
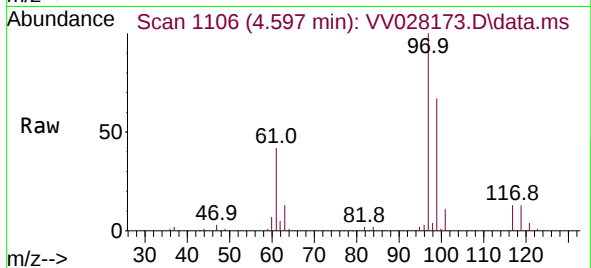
Tgt Ion: 97 Resp: 104879

Ion Ratio Lower Upper

97 100

99 65.8 51.9 77.9

61 41.5 34.8 52.2



#30

Cyclohexane

Concen: 4.608 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

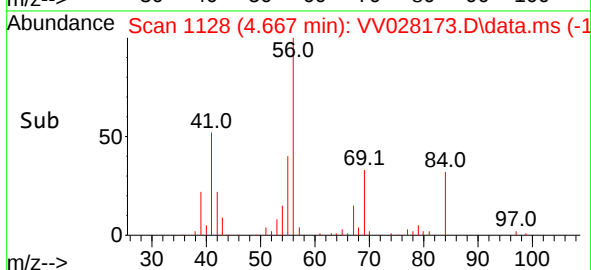
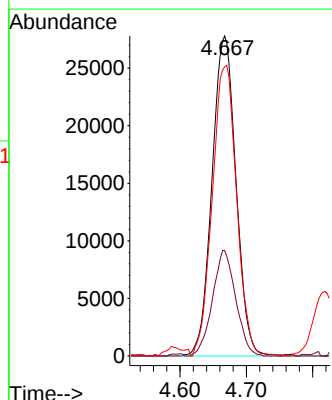
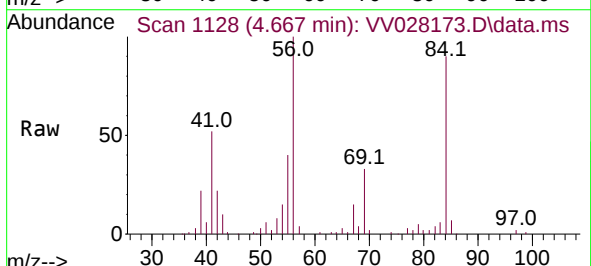
Tgt Ion: 56 Resp: 69598

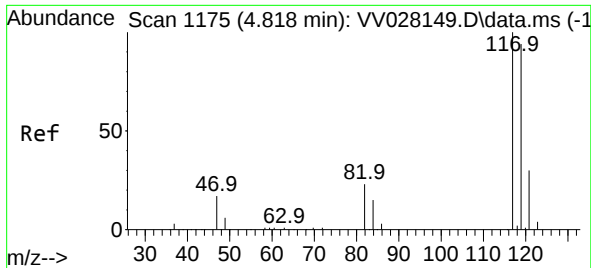
Ion Ratio Lower Upper

56 100

69 32.1 23.7 35.5

84 92.3 67.3 100.9

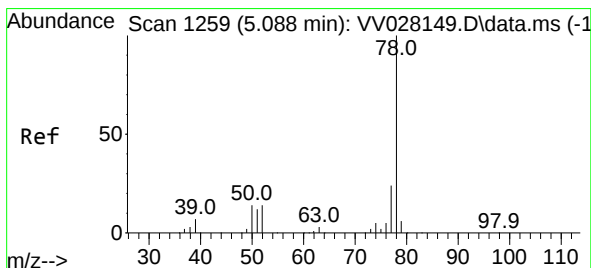
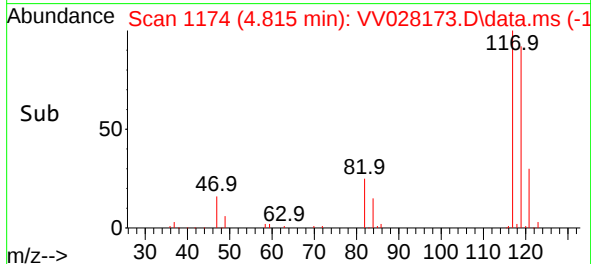
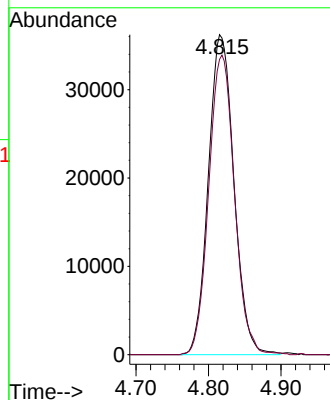
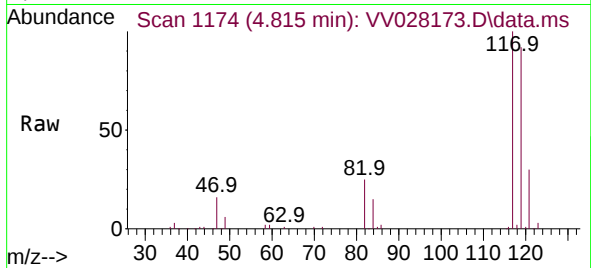




#31
Carbon tetrachloride
Concen: 5.172 ug/L
RT: 4.815 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

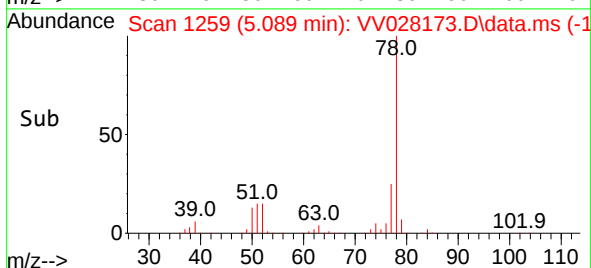
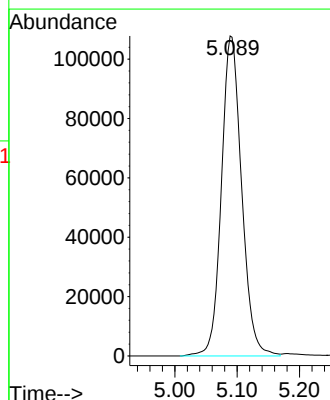
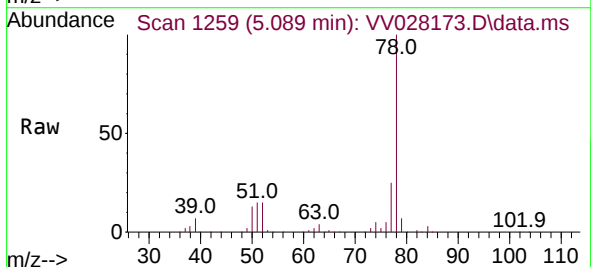
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

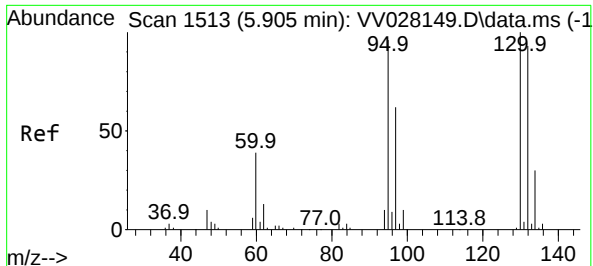
Tgt Ion:117 Resp: 88878
Ion Ratio Lower Upper
117 100
119 93.9 76.9 115.3



#33
Benzene
Concen: 5.146 ug/L
RT: 5.089 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 78 Resp: 242871

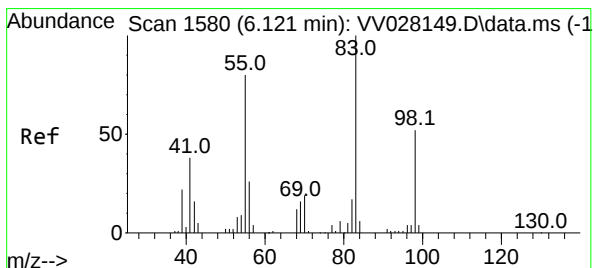
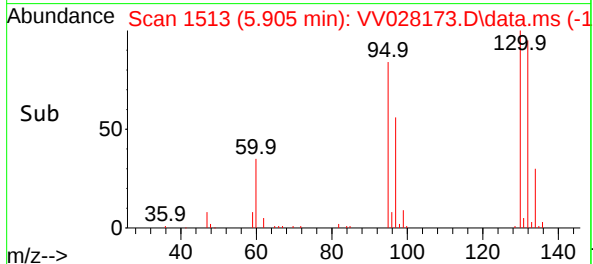
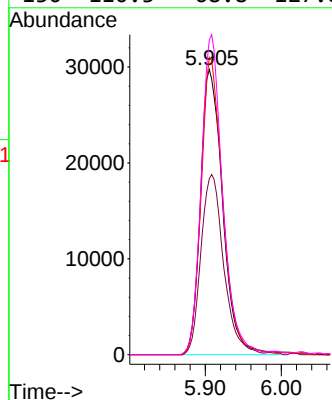
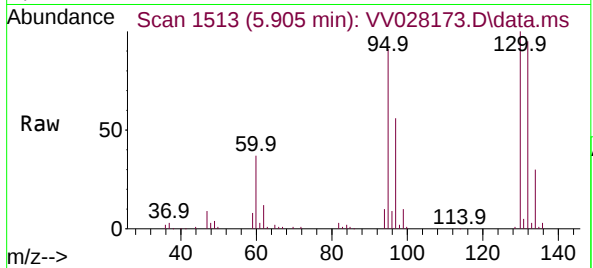




#34
Trichloroethene
Concen: 5.141 ug/L
RT: 5.905 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

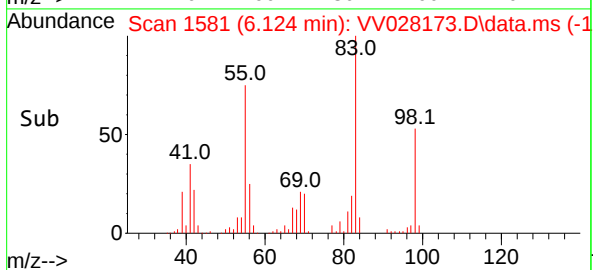
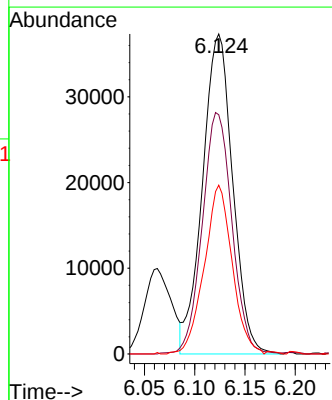
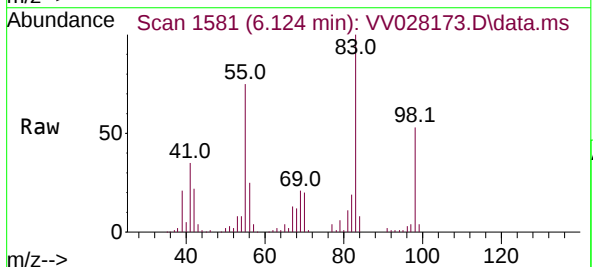
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

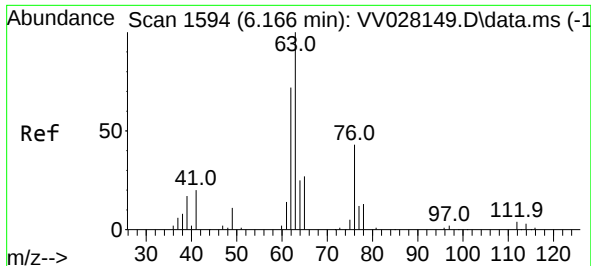
Tgt Ion: 95 Resp: 60397
Ion Ratio Lower Upper
95 100
97 61.7 44.2 82.0
132 104.3 67.8 126.0
130 110.3 68.8 127.8



#35
Methylcyclohexane
Concen: 4.836 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.003 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 83 Resp: 77912
Ion Ratio Lower Upper
83 100
55 74.1 64.7 97.1
98 48.9 39.5 59.3





#37

1,2-Dichloropropane

Concen: 4.786 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

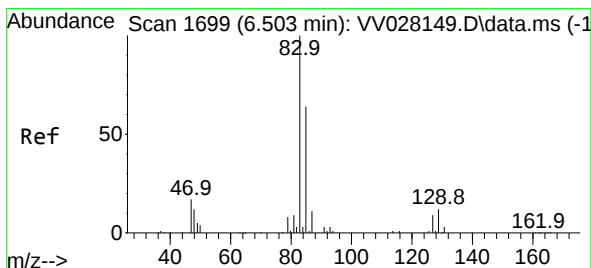
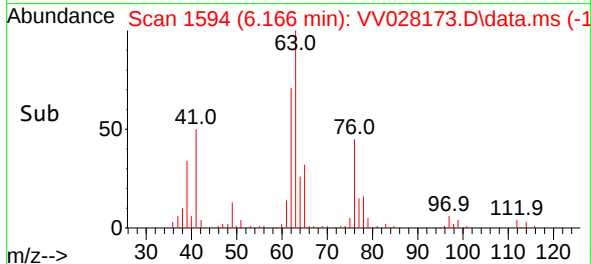
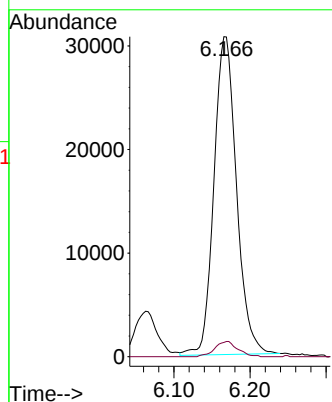
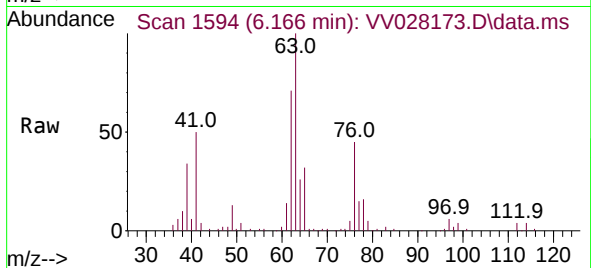
VSTD005308

Tgt Ion: 63 Resp: 63324

Ion Ratio Lower Upper

63 100

112 4.8 3.5 5.3



#38

Bromodichloromethane

Concen: 5.122 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

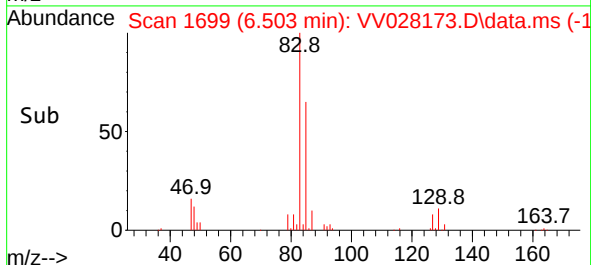
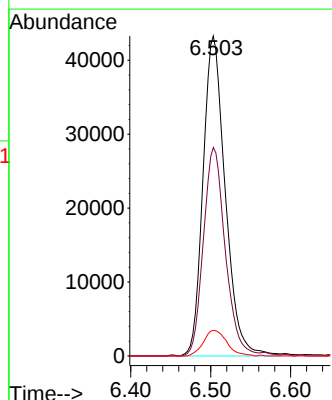
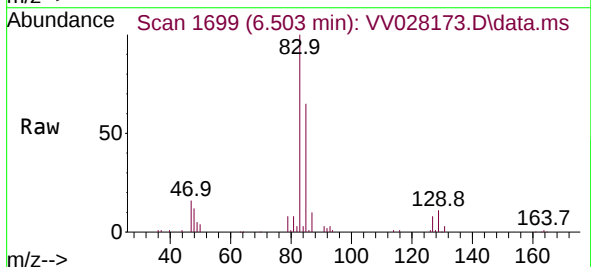
Tgt Ion: 83 Resp: 83662

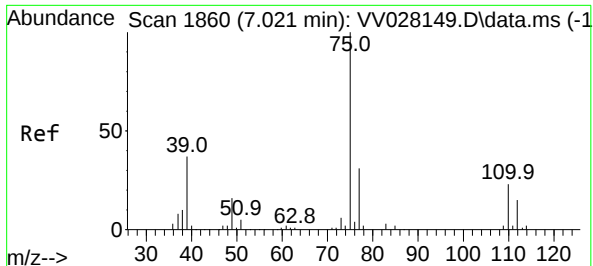
Ion Ratio Lower Upper

83 100

85 65.1 43.8 81.4

127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.983 ug/L

RT: 7.024 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

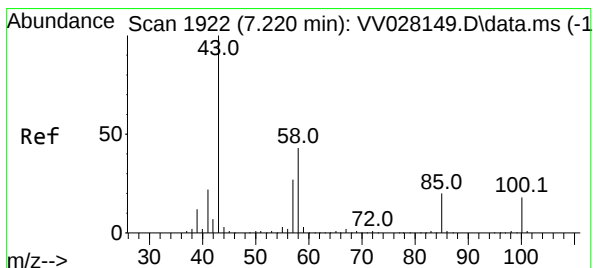
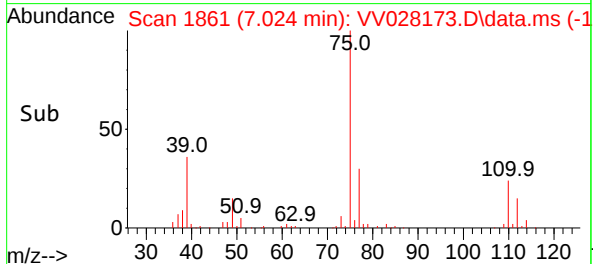
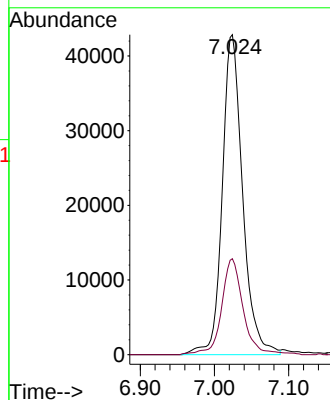
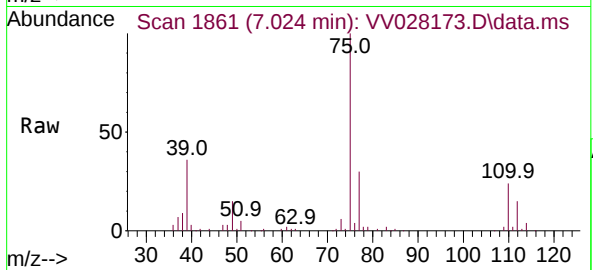
VSTD005308

Tgt Ion: 75 Resp: 81889

Ion Ratio Lower Upper

75 100

77 30.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 49.435 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

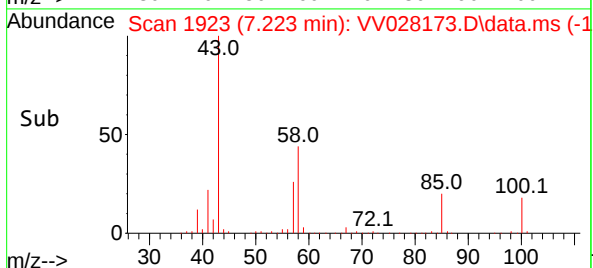
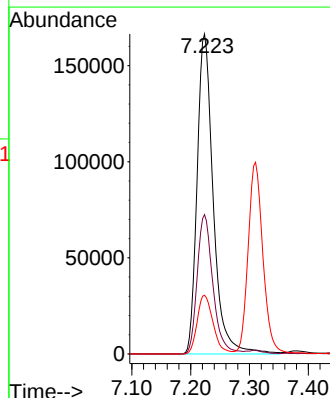
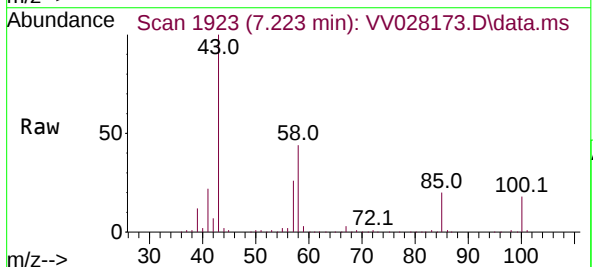
Tgt Ion: 43 Resp: 317619

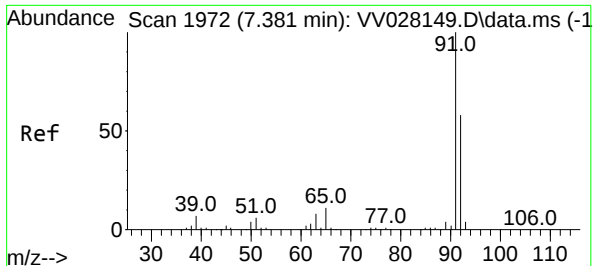
Ion Ratio Lower Upper

43 100

58 42.4 32.2 48.4

100 18.1 12.7 19.1





#42

Toluene

Concen: 5.321 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

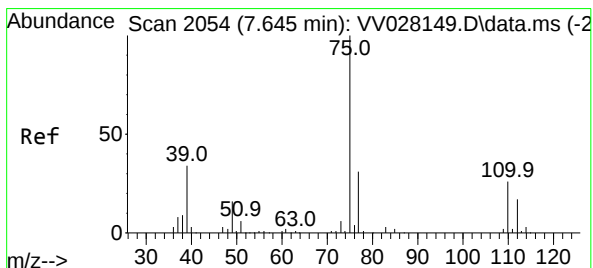
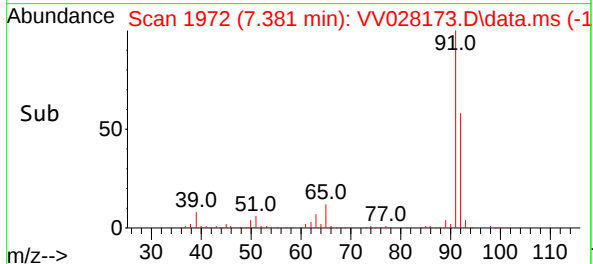
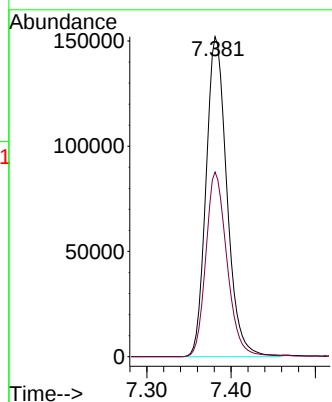
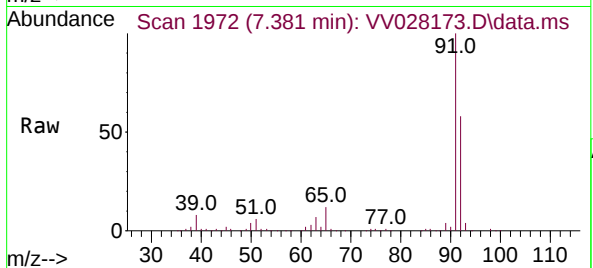
VSTD005308

Tgt Ion: 91 Resp: 261953

Ion Ratio Lower Upper

91 100

92 57.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.815 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VV028173.D

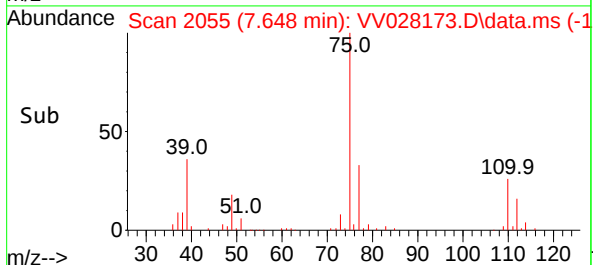
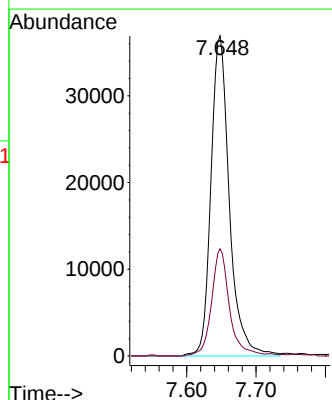
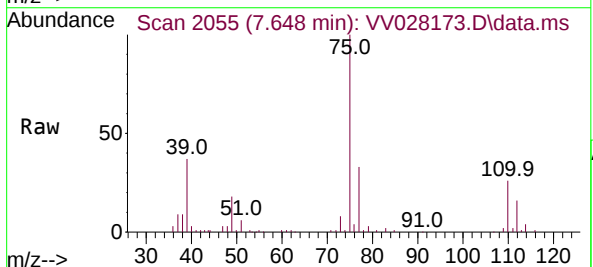
Acq: 28 Sep 2022 21:22

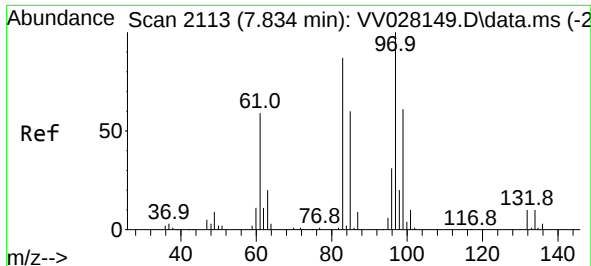
Tgt Ion: 75 Resp: 68064

Ion Ratio Lower Upper

75 100

77 33.5 23.9 44.3

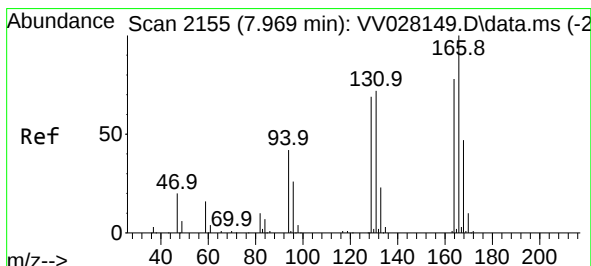
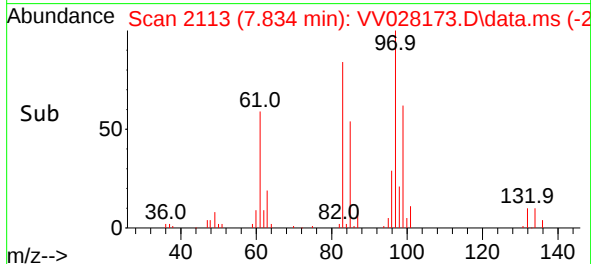
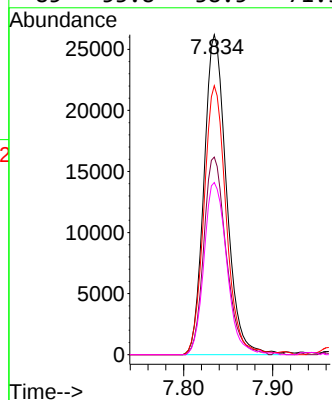
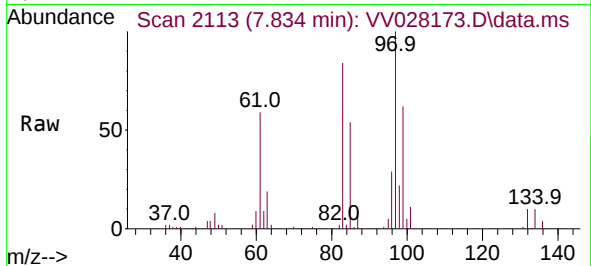




#45
1,1,2-Trichloroethane
Concen: 5.172 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

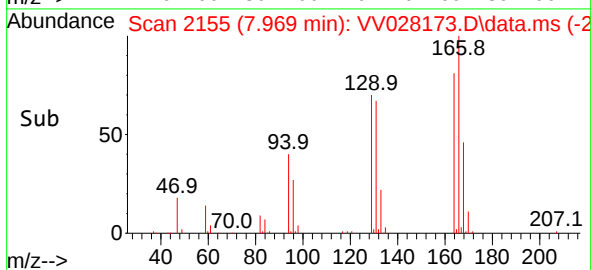
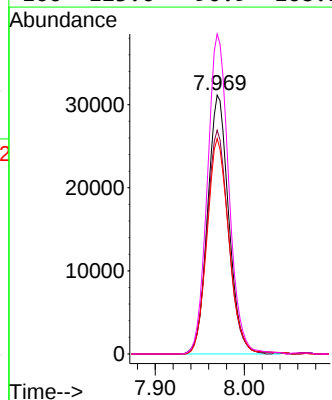
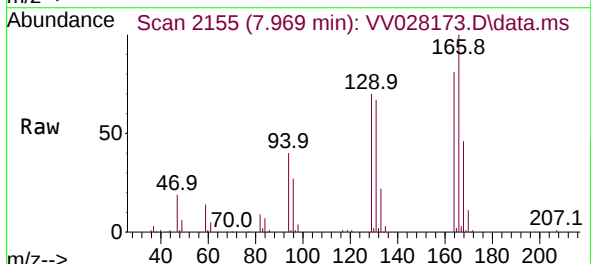
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

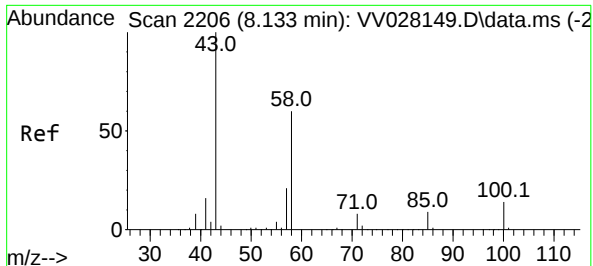
Tgt Ion:	97	Resp:	45867
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.2	80.2
83	84.0	59.1	109.9
85	53.8	38.5	71.5



#47
Tetrachloroethene
Concen: 5.474 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion:	164	Resp:	51337
Ion	Ratio	Lower	Upper
164	100		
129	86.4	66.7	123.9
131	83.2	61.7	114.5
166	123.6	90.9	168.9



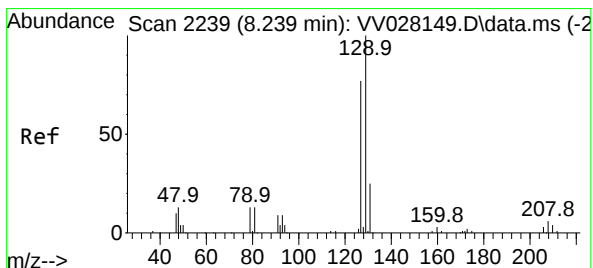
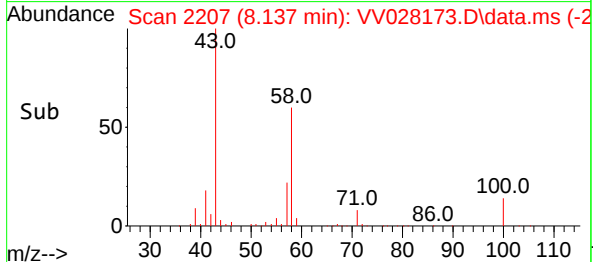
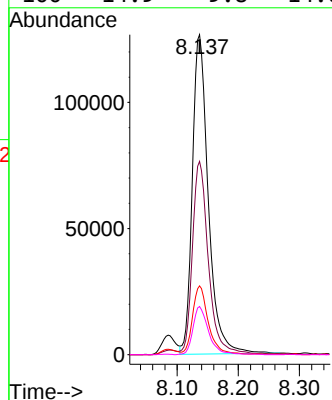
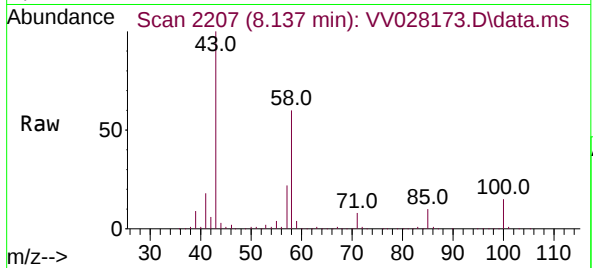


#48
2-Hexanone
Concen: 47.089 ug/L
RT: 8.137 min Scan# 2206
Delta R.T. 0.003 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

Tgt Ion: 43 Resp: 229676

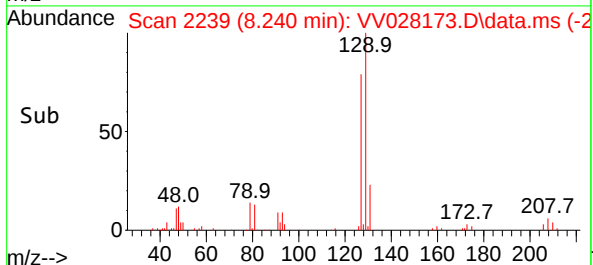
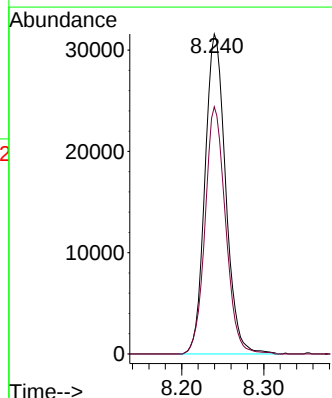
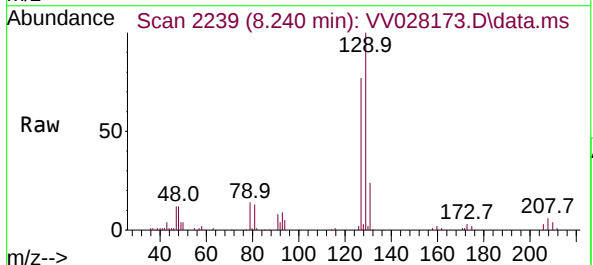
Ion	Ratio	Lower	Upper
43	100		
58	59.6	45.7	68.5
57	20.9	15.5	23.3
100	14.9	9.8	14.6

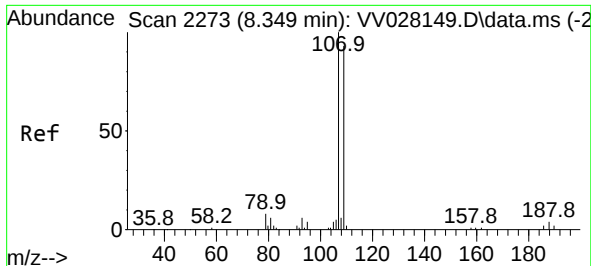


#49
Dibromochloromethane
Concen: 5.181 ug/L
RT: 8.240 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 129 Resp: 55250

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.3	100.9





#50

1,2-Dibromoethane

Concen: 5.105 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005308

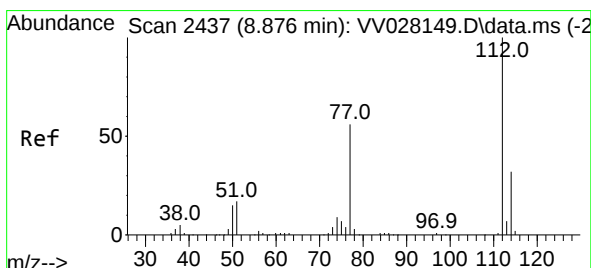
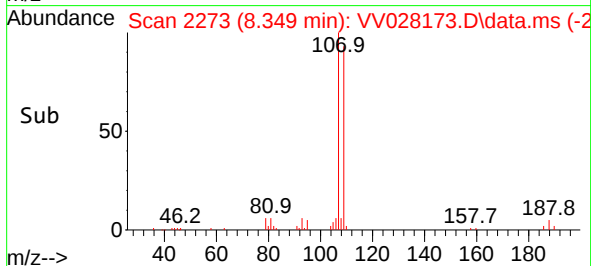
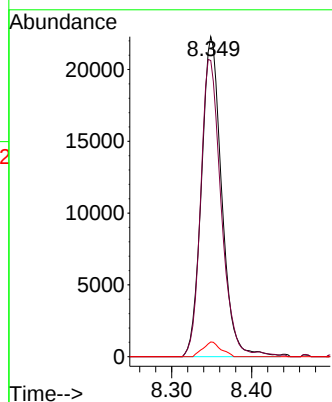
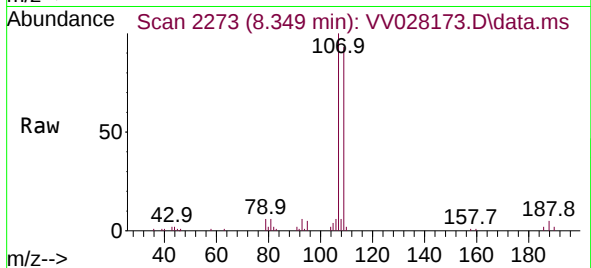
Tgt Ion:107 Resp: 39346

Ion Ratio Lower Upper

107 100

109 92.6 65.9 122.5

188 4.6 3.4 5.0



#51

Chlorobenzene

Concen: 5.358 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

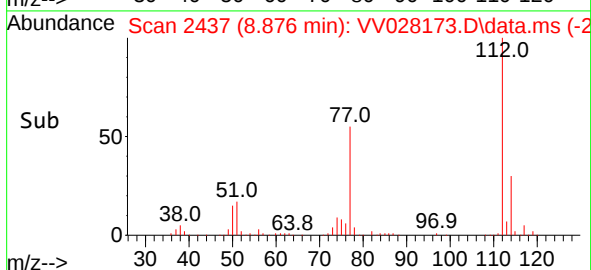
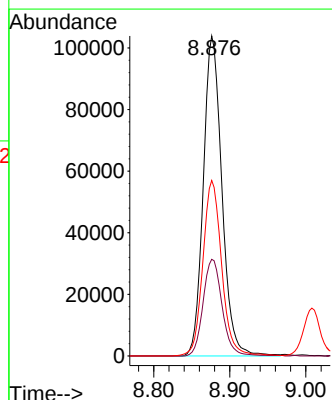
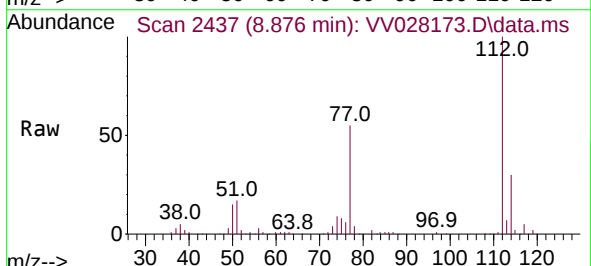
Tgt Ion:112 Resp: 176911

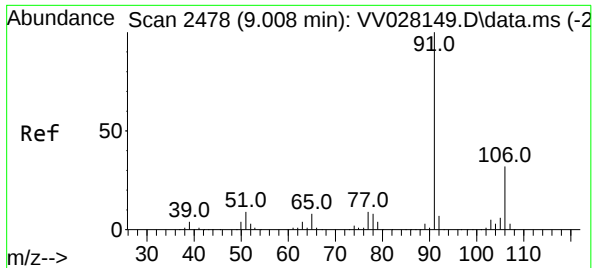
Ion Ratio Lower Upper

112 100

114 30.2 22.5 41.7

77 54.9 46.1 69.1

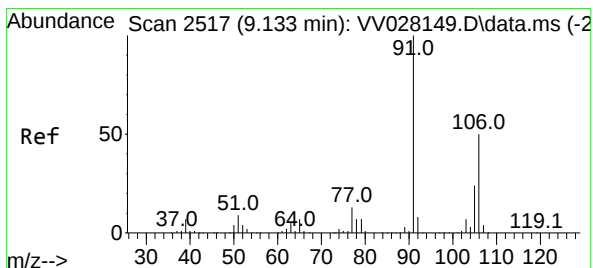
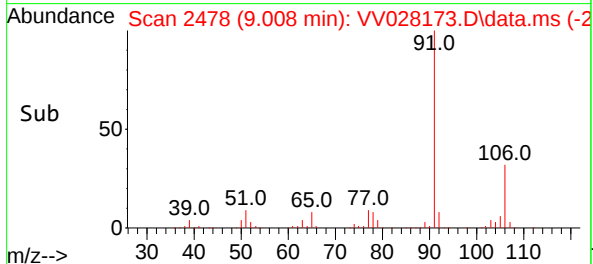
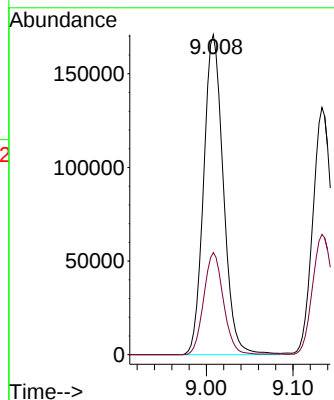
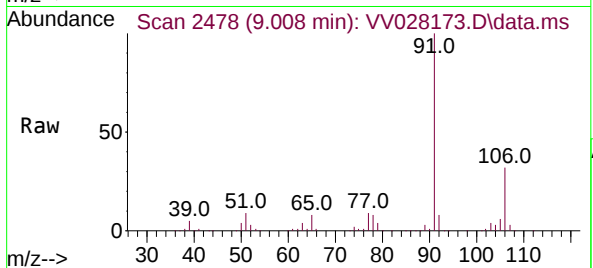




#52
Ethylbenzene
Concen: 5.193 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

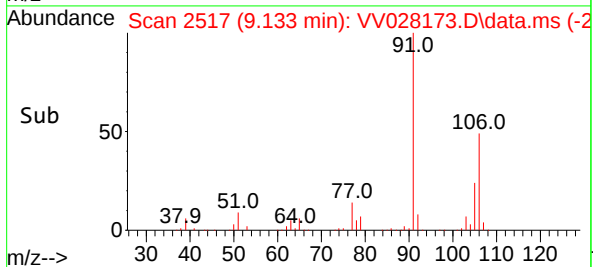
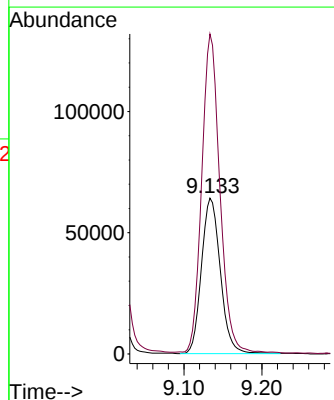
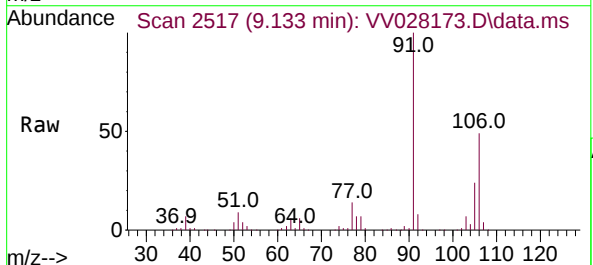
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

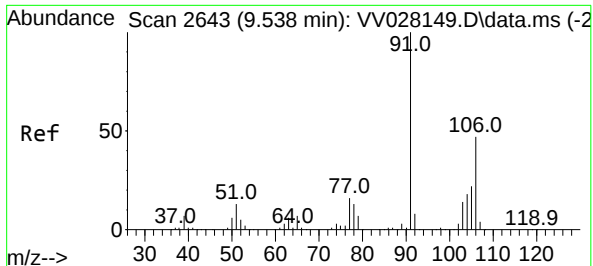
Tgt Ion: 91 Resp: 270450
Ion Ratio Lower Upper
91 100
106 31.9 21.5 39.9



#53
m,p-Xylene
Concen: 5.402 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 106 Resp: 107812
Ion Ratio Lower Upper
106 100
91 205.3 141.9 263.5

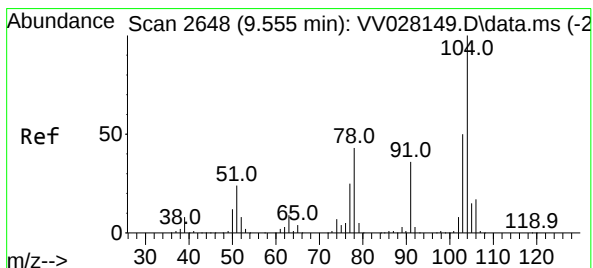
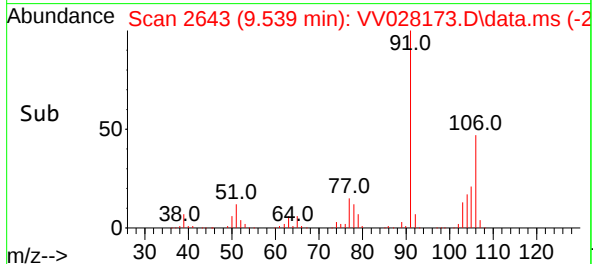
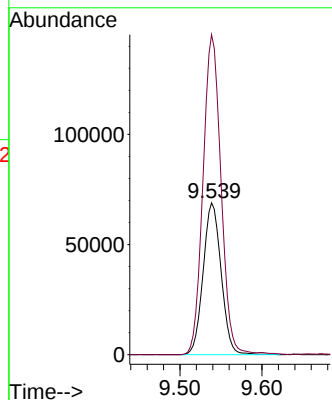
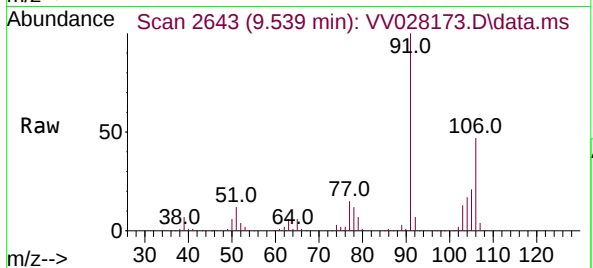




#54
o-Xylene
Concen: 5.331 ug/L
RT: 9.539 min Scan# 2643
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

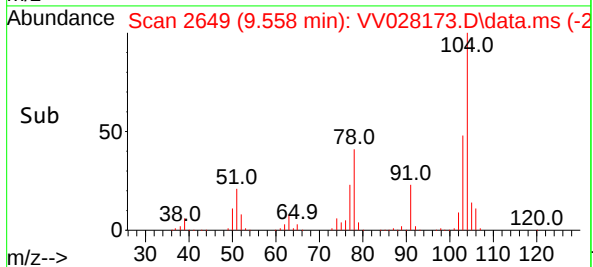
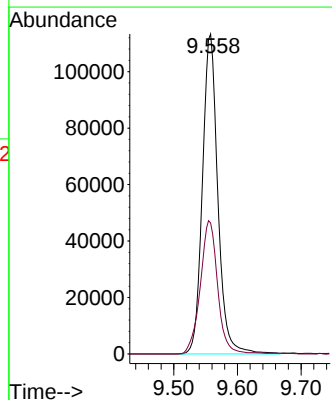
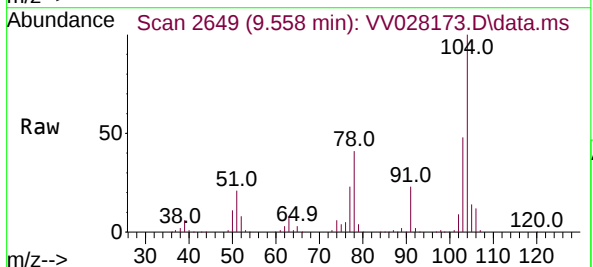
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

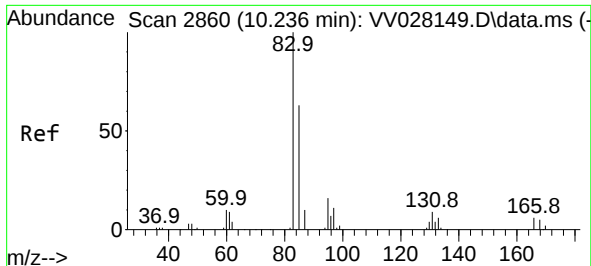
Tgt Ion:106 Resp: 105074
Ion Ratio Lower Upper
106 100
91 210.7 148.1 275.0



#55
Styrene
Concen: 5.589 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.003 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion:104 Resp: 190868
Ion Ratio Lower Upper
104 100
78 40.9 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.420 ug/L

RT: 10.236 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005308

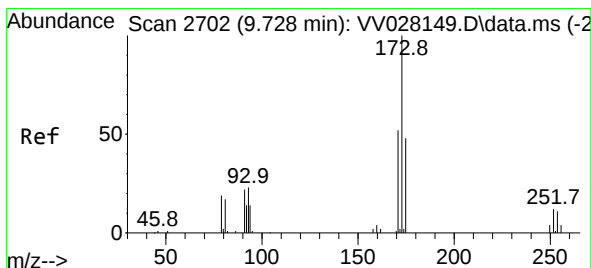
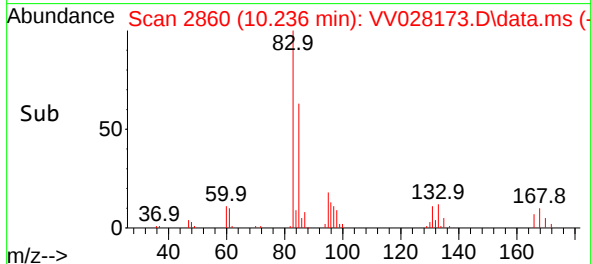
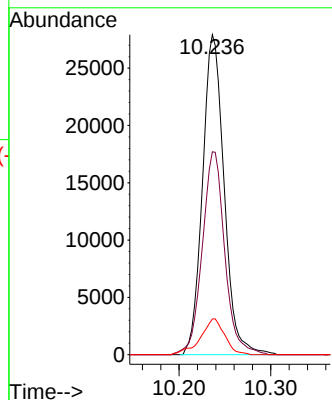
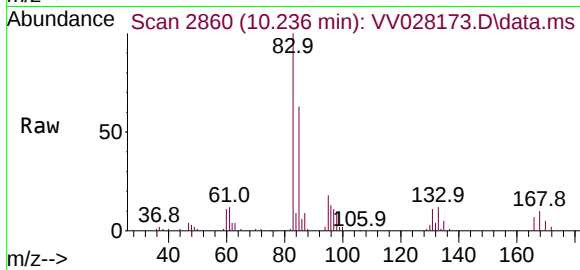
Tgt Ion: 83 Resp: 45678

Ion Ratio Lower Upper

83 100

85 63.4 45.2 84.0

131 11.2 7.8 11.8



#59

Bromoform

Concen: 5.351 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

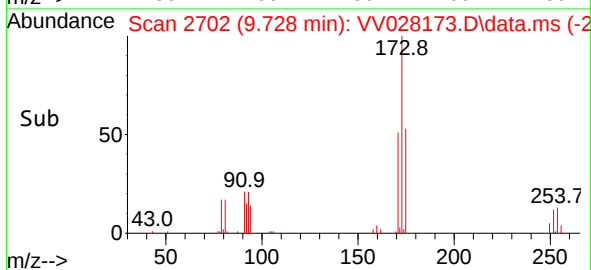
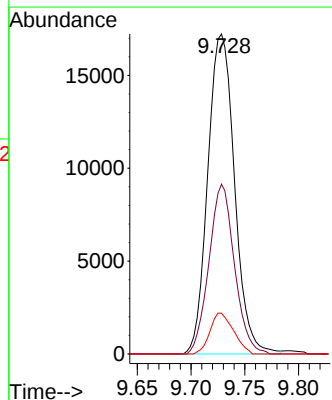
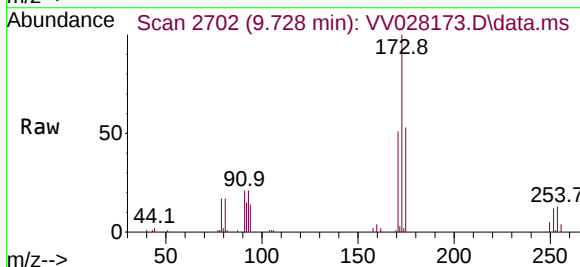
Tgt Ion: 173 Resp: 29848

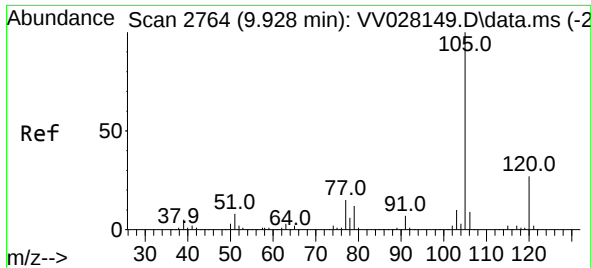
Ion Ratio Lower Upper

173 100

175 50.4 39.0 58.4

254 11.2 8.7 13.1

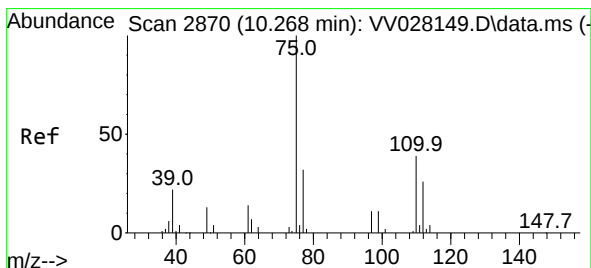
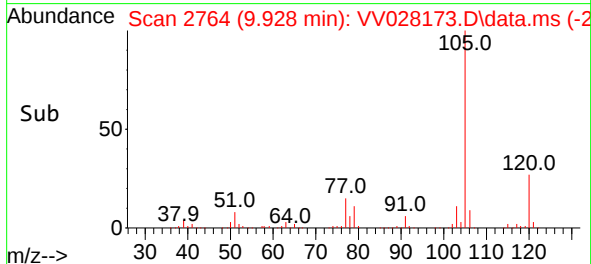
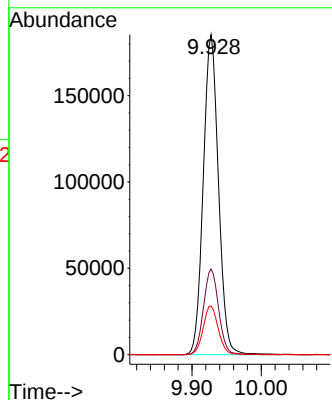
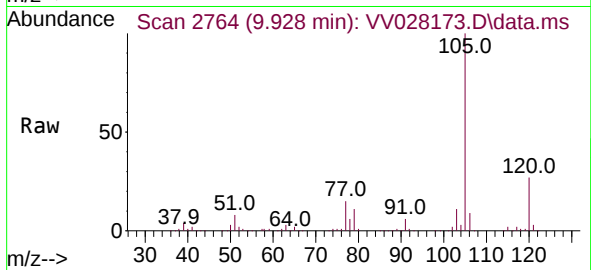




#60
Isopropylbenzene
Concen: 5.462 ug/L
RT: 9.928 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

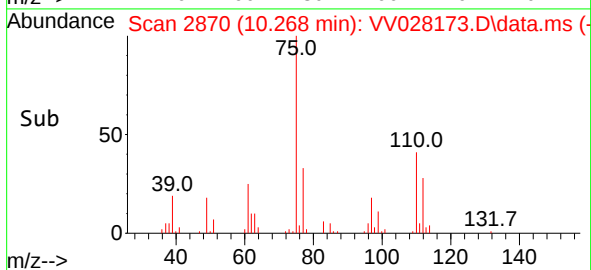
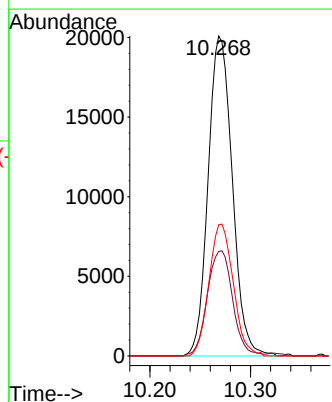
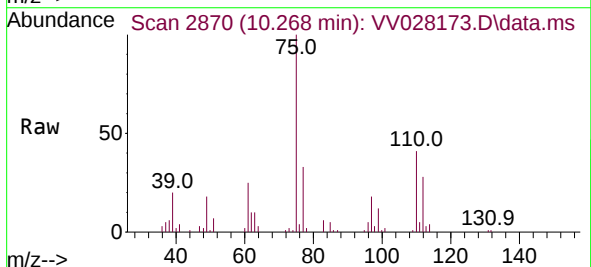
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

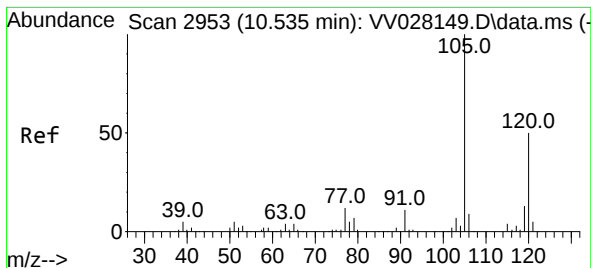
Tgt Ion:105 Resp: 281657
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 15.2 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.556 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 75 Resp: 33573
Ion Ratio Lower Upper
75 100
77 34.4 26.7 40.1
110 41.3 30.1 45.1





#62

1,3,5-Trimethylbenzene

Concen: 4.971 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

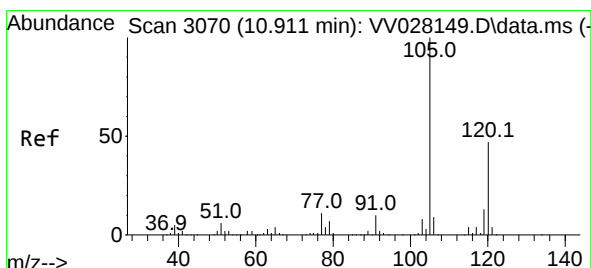
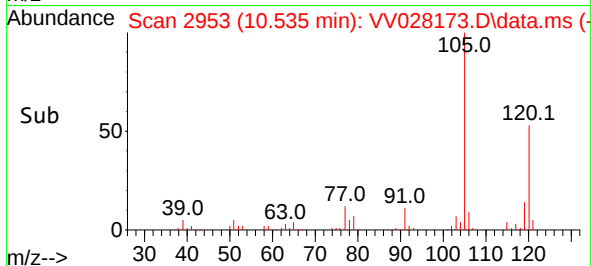
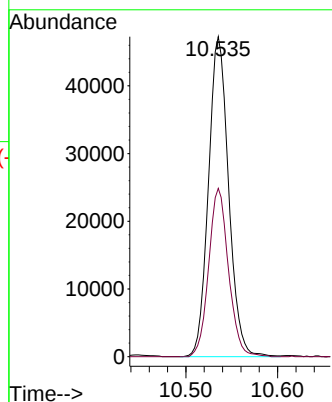
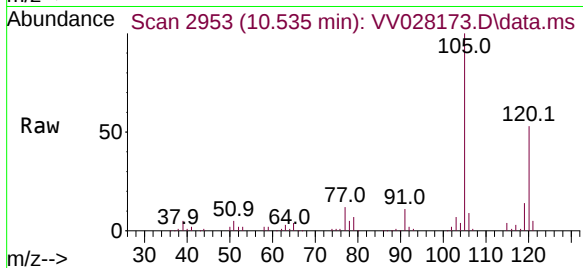
VSTD005308

Tgt Ion:105 Resp: 72211

Ion Ratio Lower Upper

105 100

120 51.6 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 5.003 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV028173.D

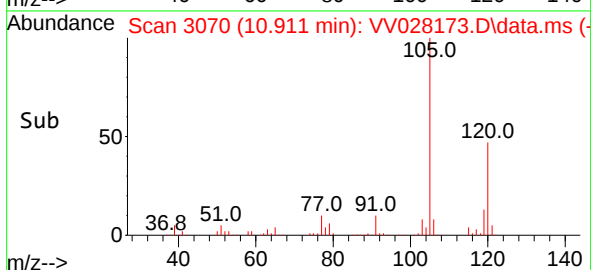
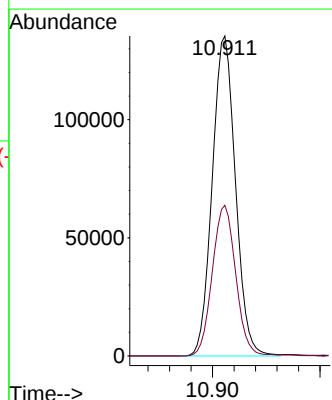
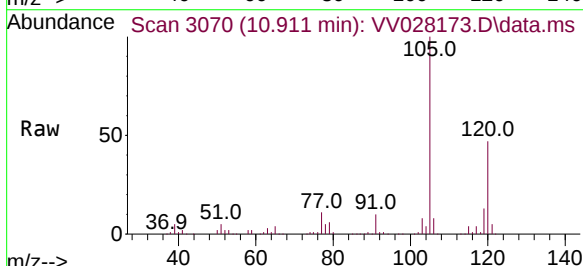
Acq: 28 Sep 2022 21:22

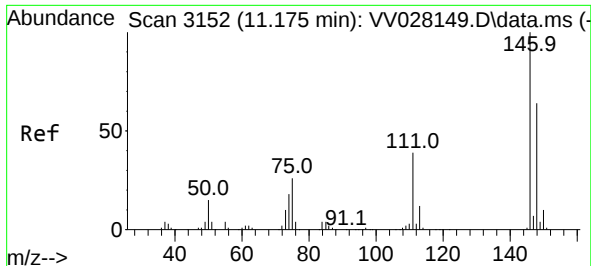
Tgt Ion:105 Resp: 203128

Ion Ratio Lower Upper

105 100

120 47.7 37.8 56.8

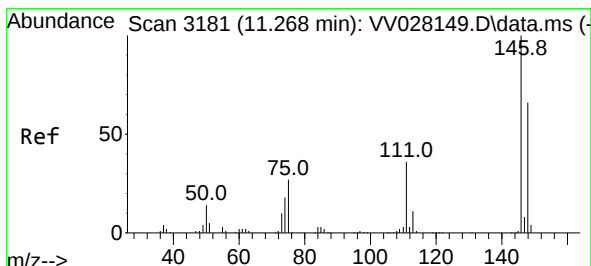
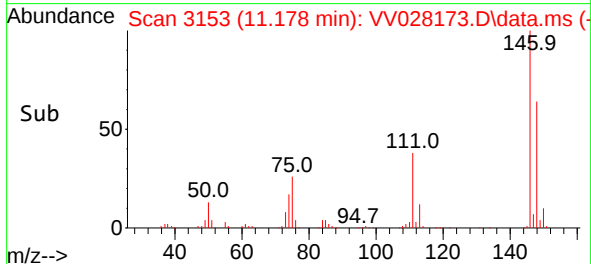
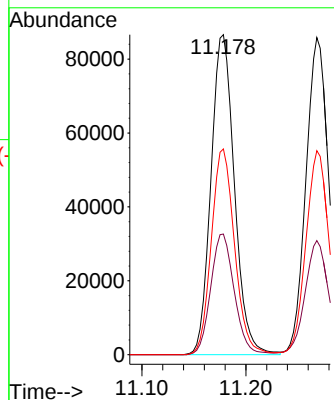
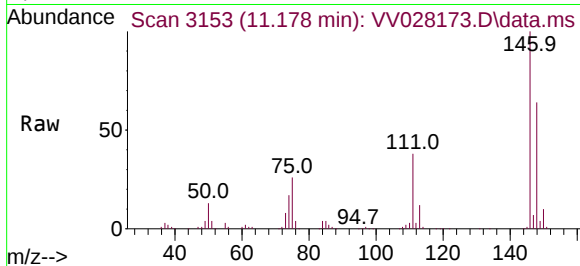




#64
1,3-Dichlorobenzene
Concen: 5.290 ug/L
RT: 11.178 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

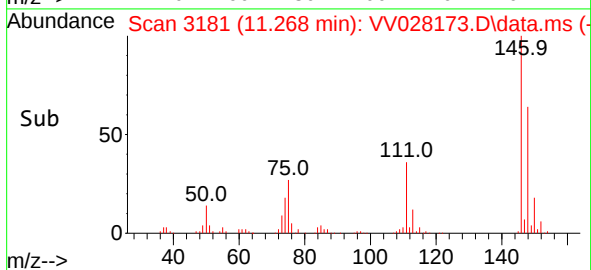
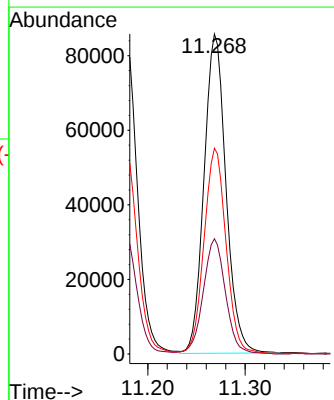
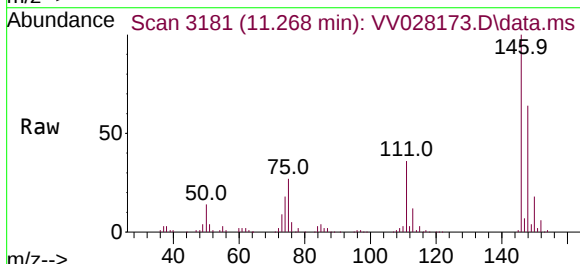
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

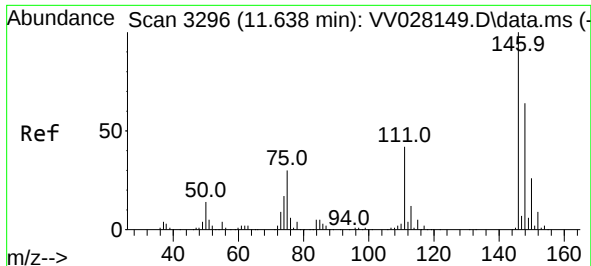
Tgt Ion:146 Resp: 135747
Ion Ratio Lower Upper
146 100
111 37.7 27.1 50.3
148 64.3 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 5.219 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion:146 Resp: 133990
Ion Ratio Lower Upper
146 100
111 36.0 26.2 48.8
148 64.3 45.8 85.2

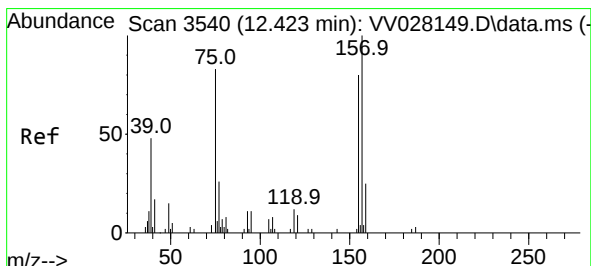
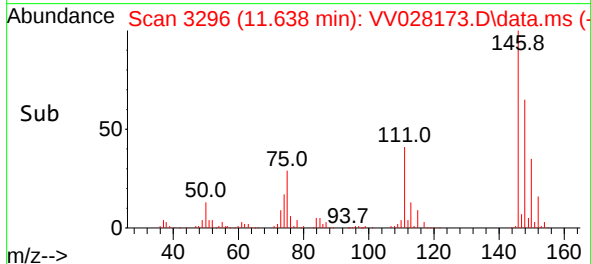
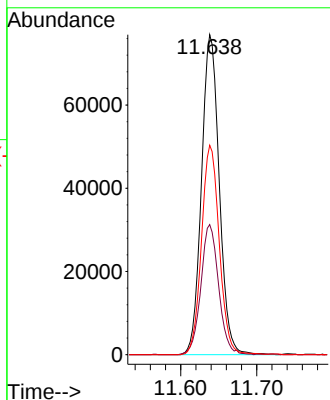
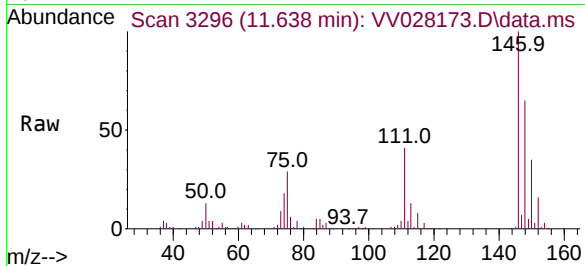




#67
1,2-Dichlorobenzene
Concen: 5.142 ug/L
RT: 11.638 min Scan# 3296
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

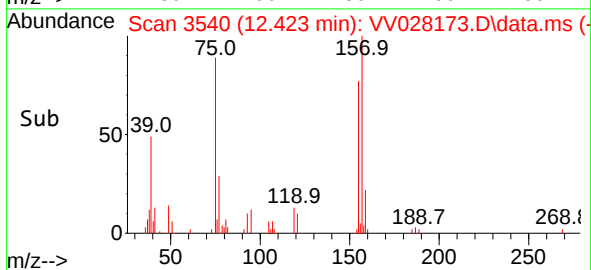
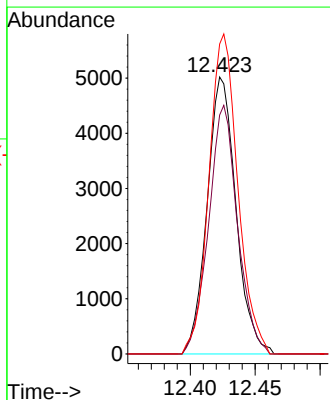
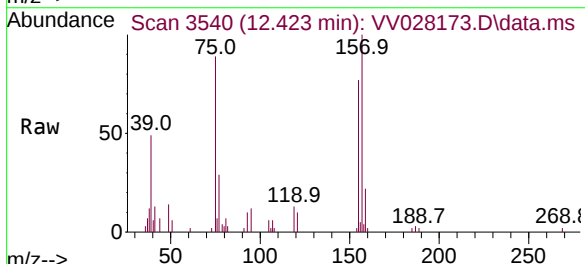
Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

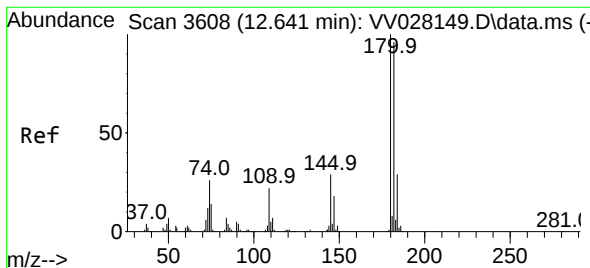
Tgt Ion:146 Resp: 124645
Ion Ratio Lower Upper
146 100
111 40.6 32.6 49.0
148 65.4 50.1 75.1



#68
1,2-Dibromo-3-chloropropane
Concen: 4.792 ug/L
RT: 12.423 min Scan# 3540
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion: 75 Resp: 7740
Ion Ratio Lower Upper
75 100
155 86.3 73.6 110.4
157 111.9 90.7 136.1





#69

1,3,5-Trichlorobenzene

Concen: 5.705 ug/L

RT: 12.641 min Scan# 30

Delta R.T. 0.000 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005308

Tgt Ion:180 Resp: 115875

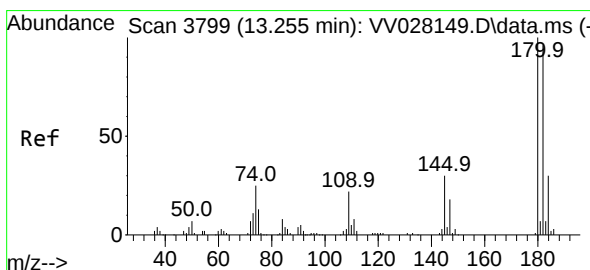
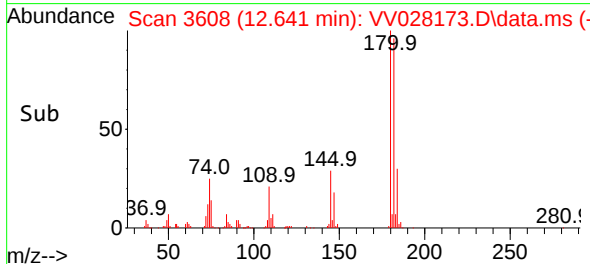
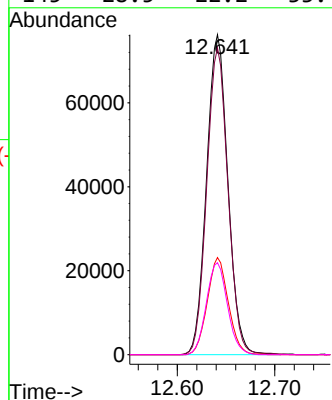
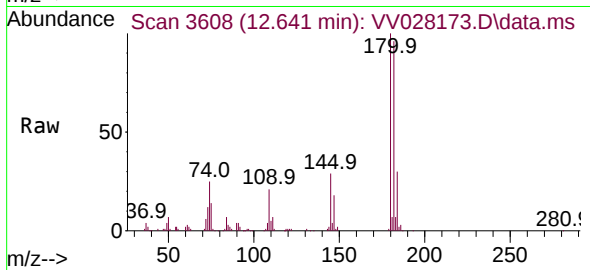
Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

184 29.9 23.7 35.5

145 28.5 22.2 33.4



#70

1,2,4-trichlorobenzene

Concen: 5.878 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.003 min

Lab File: VV028173.D

Acq: 28 Sep 2022 21:22

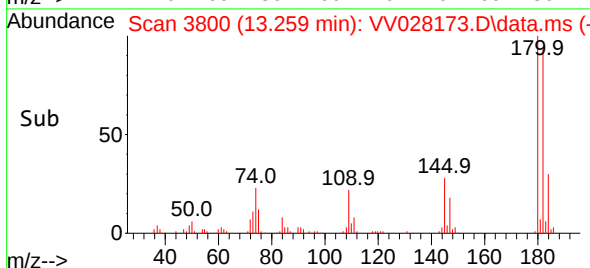
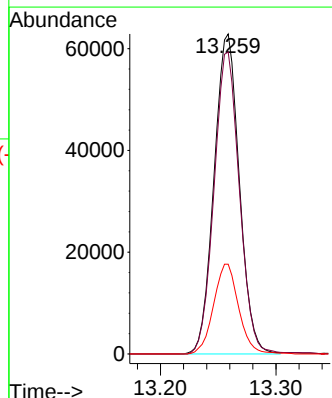
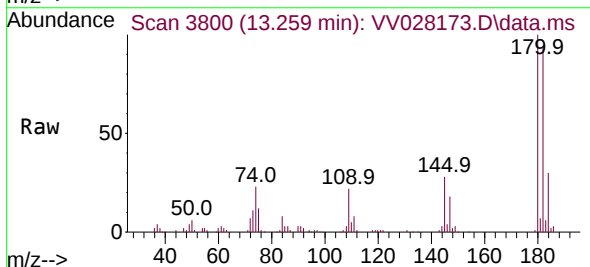
Tgt Ion:180 Resp: 95483

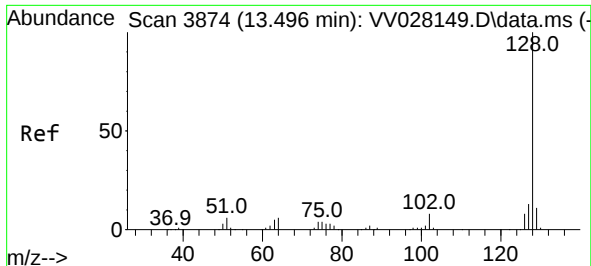
Ion Ratio Lower Upper

180 100

182 94.7 76.3 114.5

145 27.9 22.9 34.3

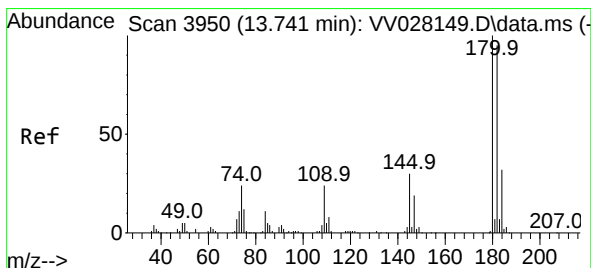
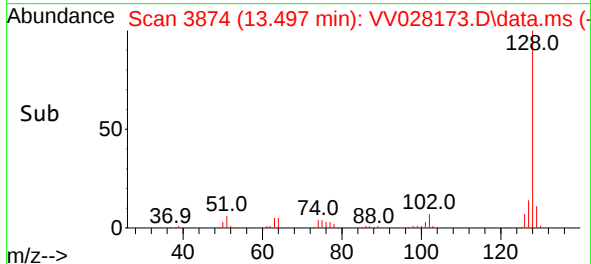
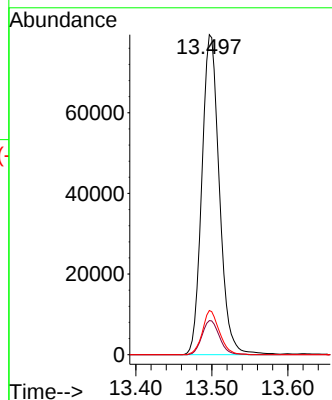
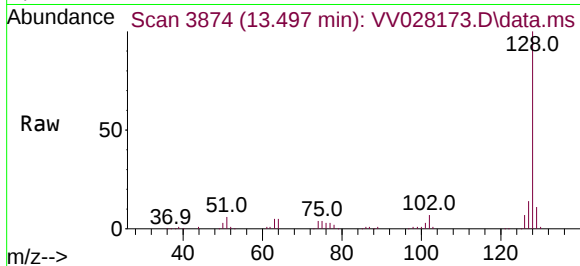




#71
Naphthalene
Concen: 4.775 ug/L
RT: 13.497 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005308

Tgt Ion:128 Resp: 127016
Ion Ratio Lower Upper
128 100
129 10.6 8.2 12.2
127 13.3 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.326 ug/L
RT: 13.738 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VV028173.D
Acq: 28 Sep 2022 21:22

Tgt Ion:180 Resp: 78258
Ion Ratio Lower Upper
180 100
182 97.3 77.4 116.0
145 31.3 24.6 36.8

