

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026436.D
 Acq On : 20 Jun 2022 11:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005328

Quant Time: Jun 21 02:19:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 20 01:25:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	244417	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	219999	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	108142	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.326	65	84439	3.977	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.587	69	72274	4.330	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.127	63	158071	4.336	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	3.934	46	92954	44.873	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.740%
24) Chloroform-d	4.362	84	162448	5.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	5.043	65	61701	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.059	84	326058	5.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.800%
36) 1,2-Dichloropropane-d6	6.072	67	90550	5.275	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.400%
41) Toluene-d8	7.317	98	306763	5.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.400%
43) trans-1,3-Dichloroprop...	7.625	79	21232	3.814	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.091	63	81255	48.324	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.640%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	55132	5.214	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	89988	5.402	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.150	85	80382	4.398	ug/L	100
3) Chloromethane	1.259	50	79184	3.902	ug/L	99
5) Vinyl chloride	1.330	62	88622	4.200	ug/L	87
6) Bromomethane	1.542	94	45039	3.820	ug/L	98
8) Chloroethane	1.603	64	106541	8.134	ug/L	88
9) Trichlorofluoromethane	1.770	101	129999	4.464	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.134	101	74697	4.423	ug/L	99
12) 1,1-Dichloroethene	2.137	96	71991	4.662	ug/L	97
13) Acetone	2.230	43	55458	34.546	ug/L	76
14) Carbon disulfide	2.310	76	166502	4.373	ug/L	96
15) Methyl Acetate	2.468	43	16145	4.192	ug/L	98
16) Methylene chloride	2.526	84	79096	4.015	ug/L	96
17) Methyl tert-butyl Ether	2.789	73	138494	5.216	ug/L	99
18) trans-1,2-Dichloroethene	2.777	96	73728	4.923	ug/L	98
19) 1,1-Dichloroethane	3.204	63	144875	5.072	ug/L	98
21) 2-Butanone	4.024	43	90474	43.555	ug/L	94
22) cis-1,2-Dichloroethene	3.928	96	82238	5.427	ug/L	95
23) Bromochloromethane	4.262	128	32007	4.978	ug/L	90
25) Chloroform	4.387	83	149800	4.835	ug/L	98

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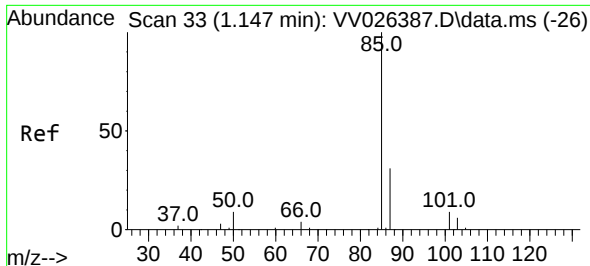
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 20 01:25:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	66268	4.699	ug/L	99
29) 1,1,1-Trichloroethane	4.616	97	131176	5.396	ug/L	98
30) Cyclohexane	4.686	56	96501	5.308	ug/L	99
31) Carbon tetrachloride	4.838	117	106807	5.188	ug/L	99
33) Benzene	5.108	78	311813	5.528	ug/L	100
34) Trichloroethene	5.918	95	78546	5.101	ug/L	98
35) Methylcyclohexane	6.133	83	105214	4.939	ug/L	96
37) 1,2-Dichloropropane	6.178	63	77690	5.266	ug/L	98
38) Bromodichloromethane	6.513	83	93339	5.216	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	71778	4.263	ug/L	97
40) 4-Methyl-2-pentanone	7.230	43	261780	48.261	ug/L	95
42) Toluene	7.387	91	336163	5.667	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	54953	4.087	ug/L	94
45) 1,1,2-Trichloroethane	7.841	97	48058	4.963	ug/L	94
47) Tetrachloroethene	7.976	164	61255	5.370	ug/L	97
48) 2-Hexanone	8.140	43	168320	43.311	ug/L	96
49) Dibromochloromethane	8.246	129	52441	4.890	ug/L	97
50) 1,2-Dibromoethane	8.352	107	42582	5.161	ug/L	99
51) Chlorobenzene	8.879	112	213507	5.512	ug/L	99
52) Ethylbenzene	9.011	91	343897	5.783	ug/L	99
53) m,p-Xylene	9.136	106	134270	5.792	ug/L	95
54) o-Xylene	9.542	106	129971	5.788	ug/L	98
55) Styrene	9.561	104	218701	5.799	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	53699	5.467	ug/L	97
59) Bromoform	9.731	173	22018	4.637	ug/L	100
60) Isopropylbenzene	9.931	105	350412	6.078	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	35759	5.096	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	268716	5.874	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	275090	6.075	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	163178	5.760	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	160209	5.565	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	140206	5.588	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	6327	5.090	ug/L	90
69) 1,3,5-Trichlorobenzene	12.641	180	112218	5.479	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	80813	5.349	ug/L	98
71) Naphthalene	13.500	128	107617	5.131	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	67623	5.347	ug/L	96

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

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Response via : Initial Calibration

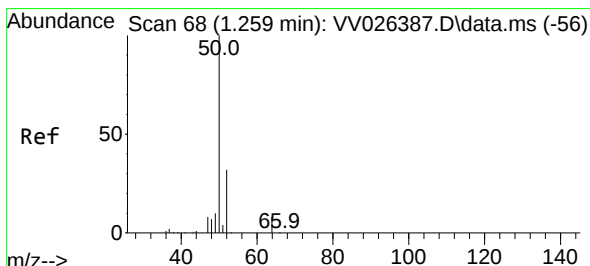
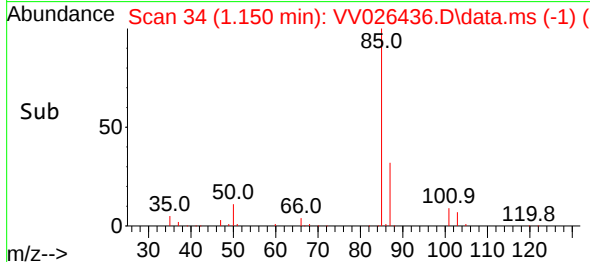
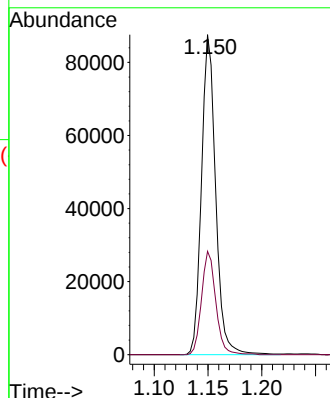
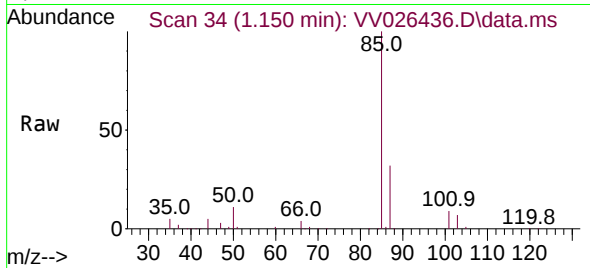




#2
 Dichlorodifluoromethane
 Concen: 4.398 ug/L
 RT: 1.150 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VV026436.D
 Acq: 20 Jun 2022 11:06

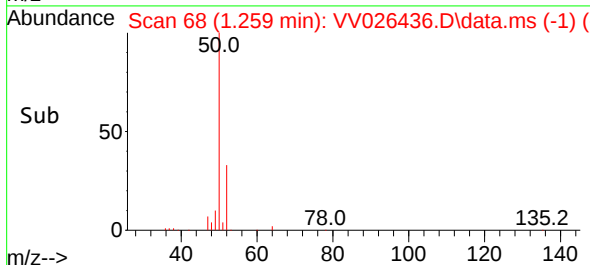
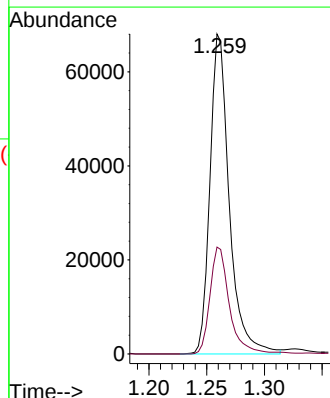
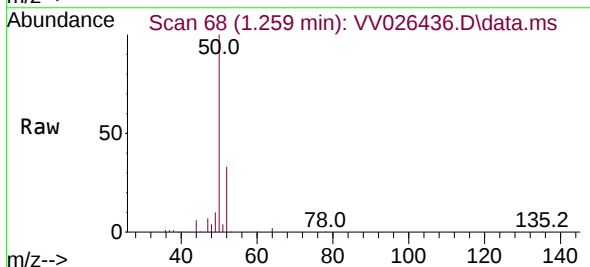
Instrument :
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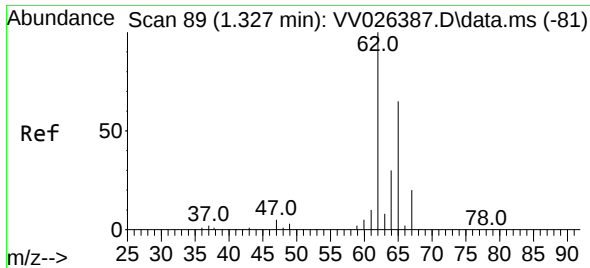
Tgt Ion: 85 Resp: 80382
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.0 39.0



#3
 Chloromethane
 Concen: 3.902 ug/L
 RT: 1.259 min Scan# 68
 Delta R.T. 0.006 min
 Lab File: VV026436.D
 Acq: 20 Jun 2022 11:06

Tgt Ion: 50 Resp: 79184
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.7 44.1

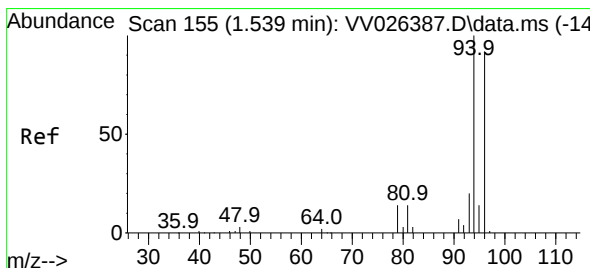
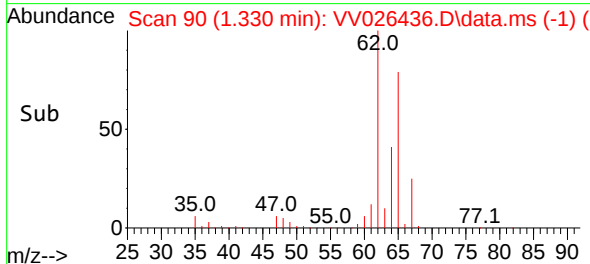
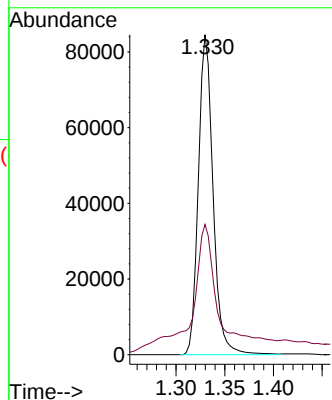
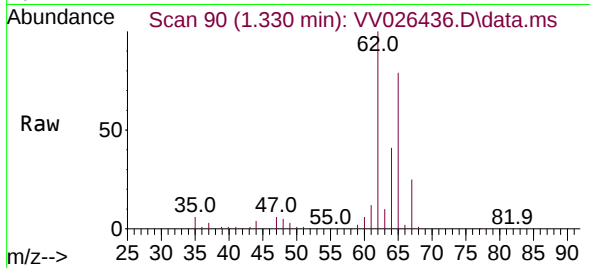




#5
 Vinyl chloride
 Concen: 4.200 ug/L
 RT: 1.330 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VV026436.D
 Acq: 20 Jun 2022 11:06

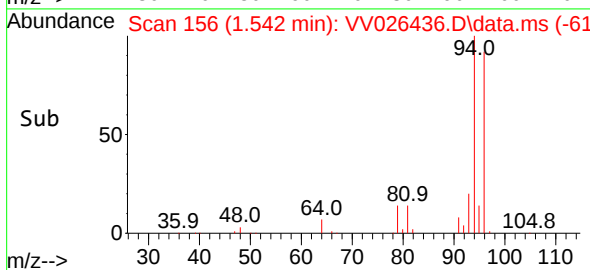
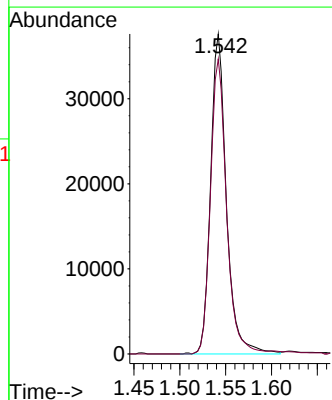
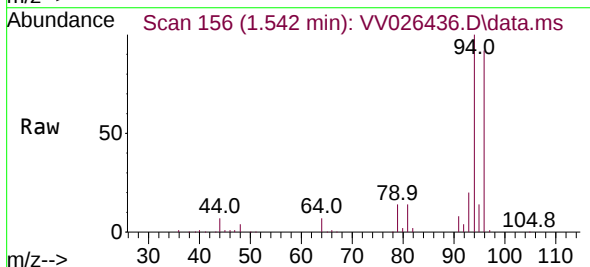
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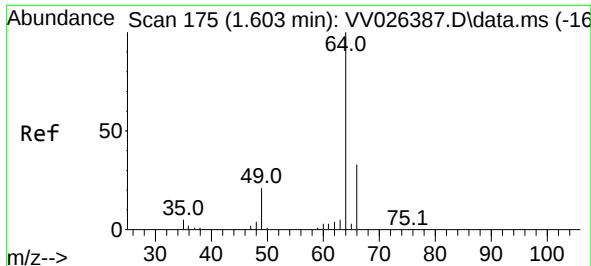
Tgt Ion: 62 Resp: 88622
 Ion Ratio Lower Upper
 62 100
 64 40.7 23.2 43.2



#6
 Bromomethane
 Concen: 3.820 ug/L
 RT: 1.542 min Scan# 156
 Delta R.T. 0.006 min
 Lab File: VV026436.D
 Acq: 20 Jun 2022 11:06

Tgt Ion: 94 Resp: 45039
 Ion Ratio Lower Upper
 94 100
 96 92.2 65.7 121.9

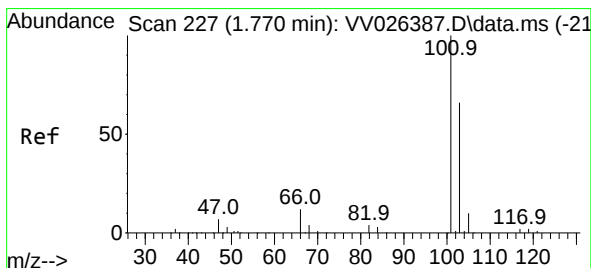
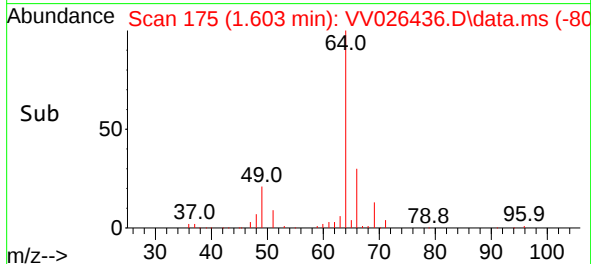
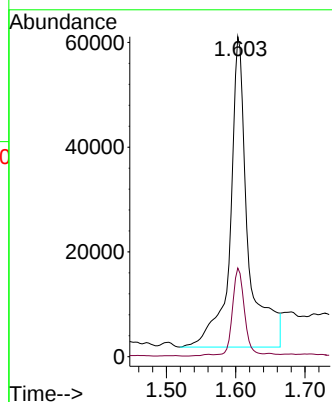
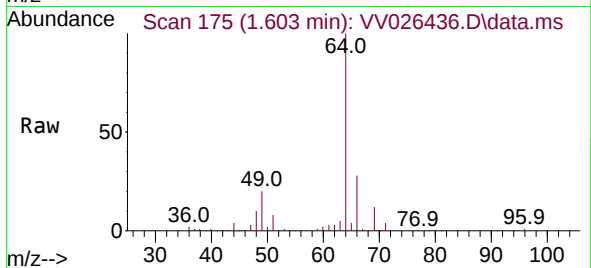




#8
Chloroethane
Concen: 8.134 ug/L
RT: 1.603 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

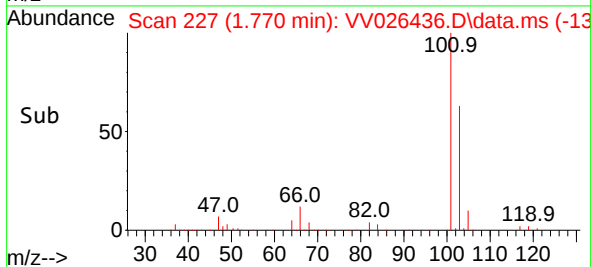
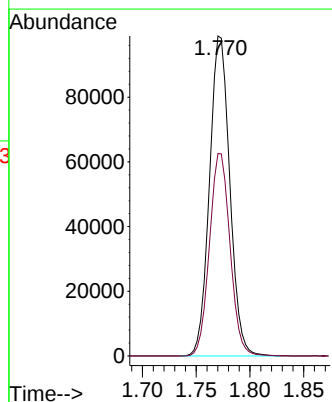
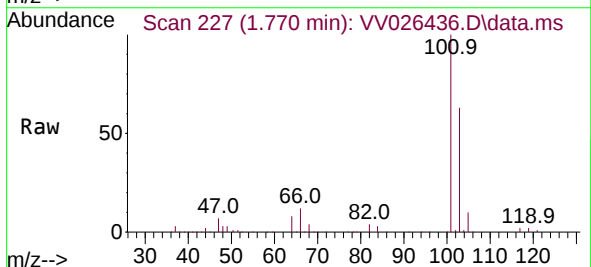
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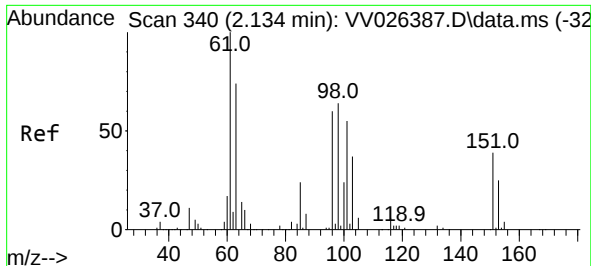
Tgt Ion: 64 Resp: 106541
Ion Ratio Lower Upper
64 100
66 27.7 24.1 44.7



#9
Trichlorofluoromethane
Concen: 4.464 ug/L
RT: 1.770 min Scan# 227
Delta R.T. 0.003 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion:101 Resp: 129999
Ion Ratio Lower Upper
101 100
103 64.1 52.3 78.5

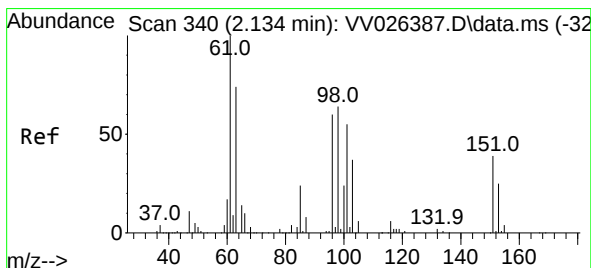
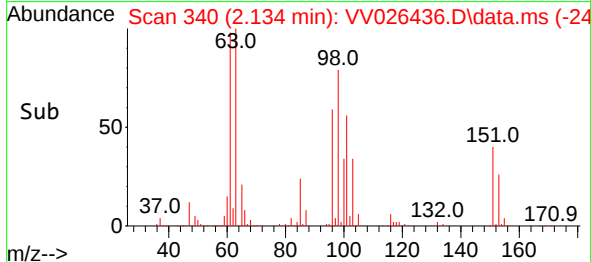
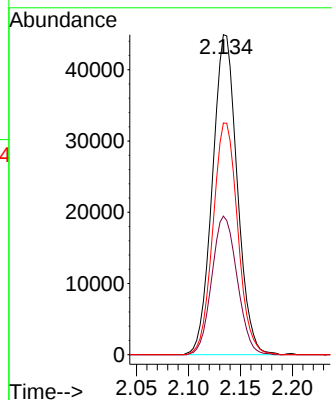
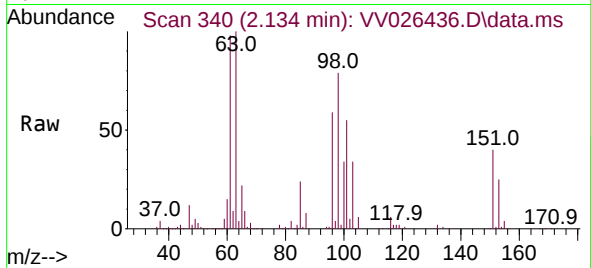




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.423 ug/L
 RT: 2.134 min Scan# 340
 Delta R.T. 0.006 min
 Lab File: VV026436.D
 Acq: 20 Jun 2022 11:06

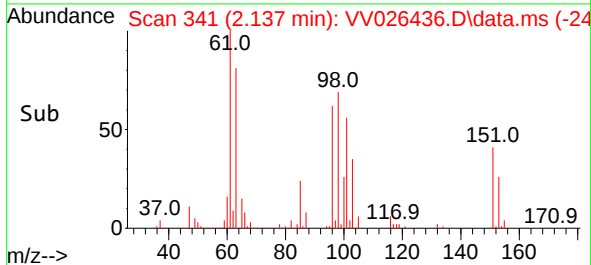
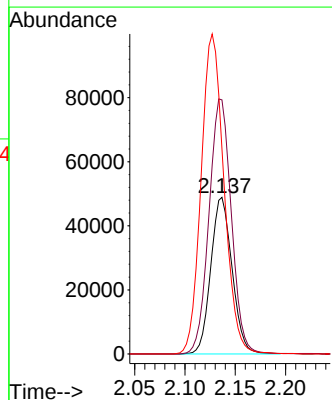
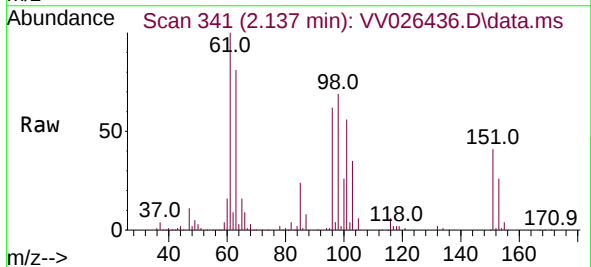
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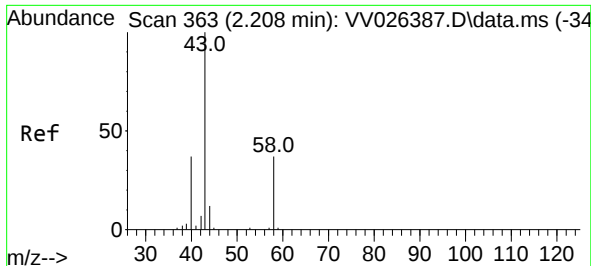
Tgt Ion:101 Resp: 74697
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.3 52.9
 151 72.4 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 4.662 ug/L
 RT: 2.137 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VV026436.D
 Acq: 20 Jun 2022 11:06

Tgt Ion: 96 Resp: 71991
 Ion Ratio Lower Upper
 96 100
 61 162.3 117.1 217.5
 63 131.0 92.8 172.4





#13

Acetone

Concen: 34.546 ug/L

RT: 2.230 min Scan# 31

Delta R.T. 0.019 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

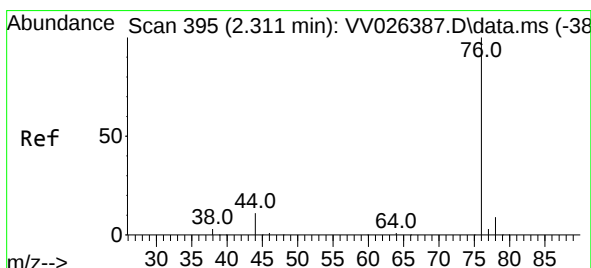
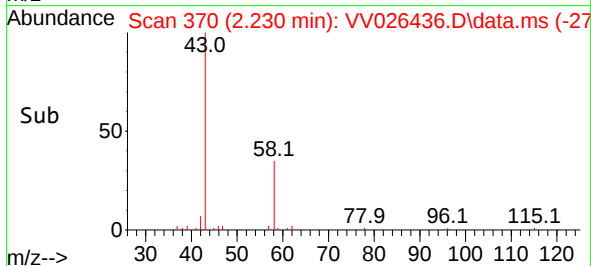
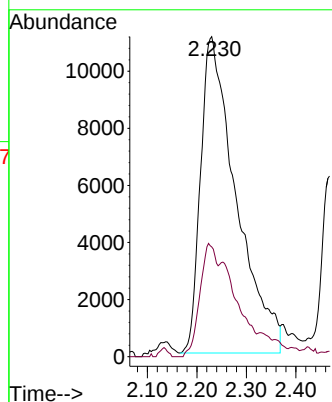
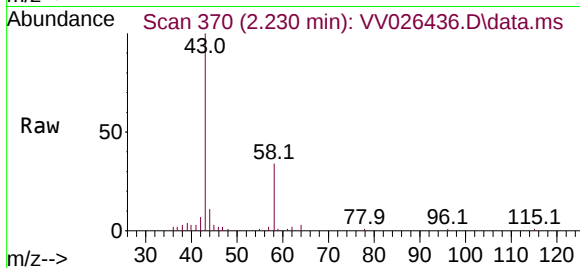
VSTD005328

Tgt Ion: 43 Resp: 55458

Ion Ratio Lower Upper

43 100

58 16.9 0.0 60.0



#14

Carbon disulfide

Concen: 4.373 ug/L

RT: 2.310 min Scan# 395

Delta R.T. 0.006 min

Lab File: VV026436.D

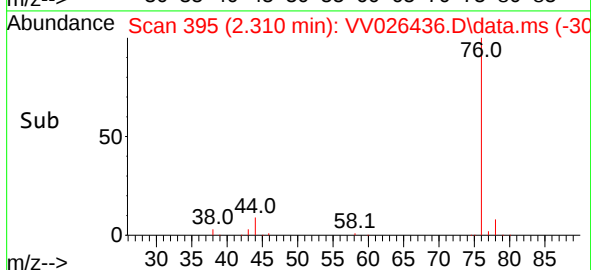
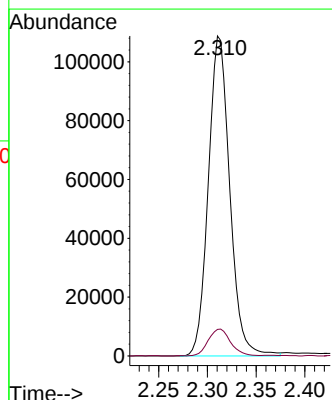
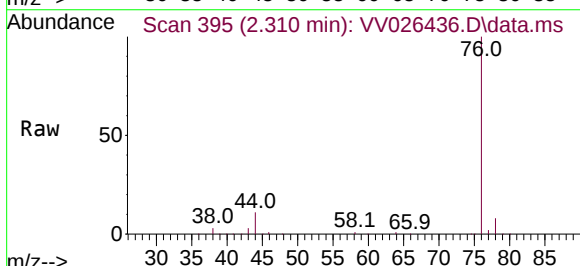
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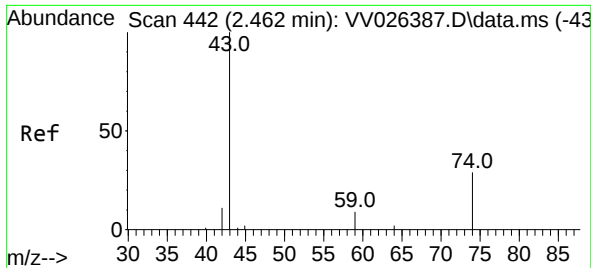
Tgt Ion: 76 Resp: 166502

Ion Ratio Lower Upper

76 100

78 8.3 7.7 11.5

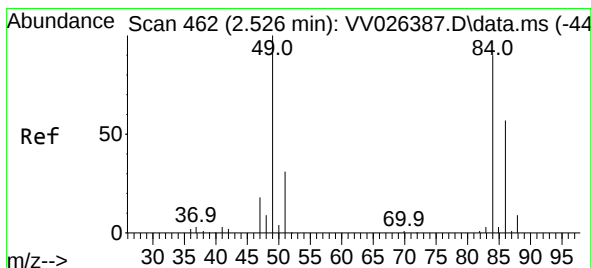
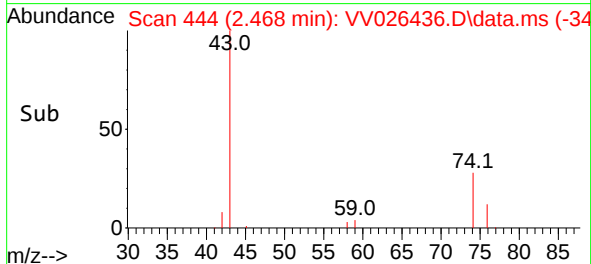
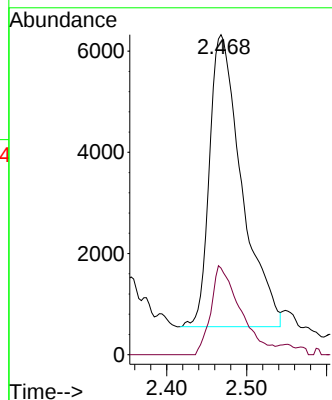
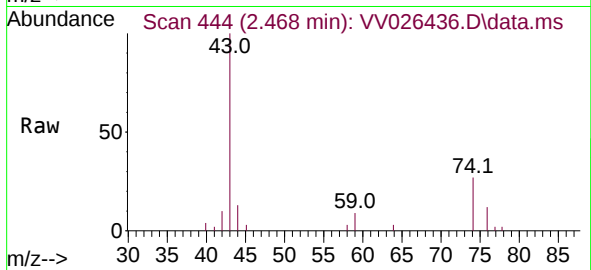




#15
Methyl Acetate
Concen: 4.192 ug/L
RT: 2.468 min Scan# 442
Delta R.T. 0.013 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

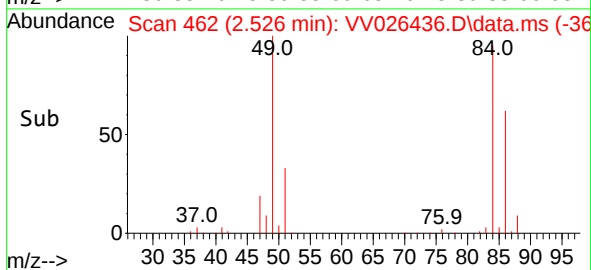
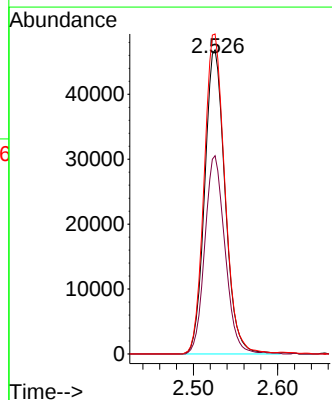
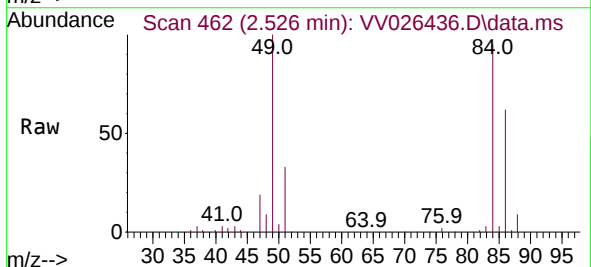
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

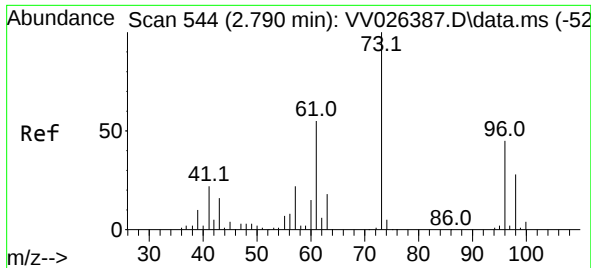
Tgt Ion: 43 Resp: 16145
Ion Ratio Lower Upper
43 100
74 27.9 21.4 32.0



#16
Methylene chloride
Concen: 4.015 ug/L
RT: 2.526 min Scan# 462
Delta R.T. 0.009 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 84 Resp: 79096
Ion Ratio Lower Upper
84 100
86 65.2 44.0 81.8
49 105.2 77.3 143.7

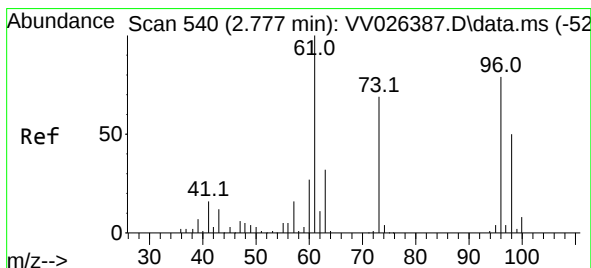
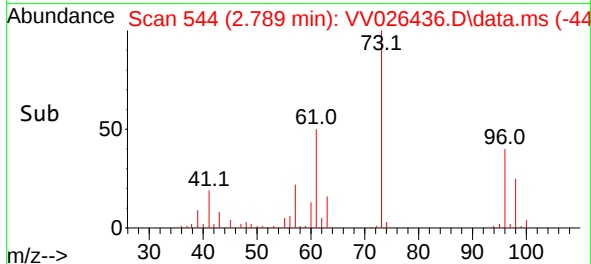
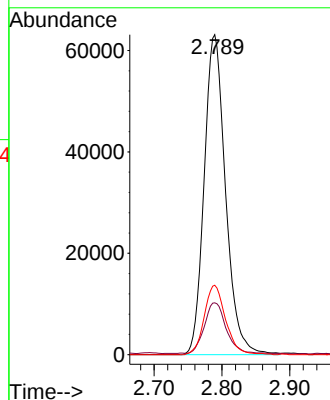
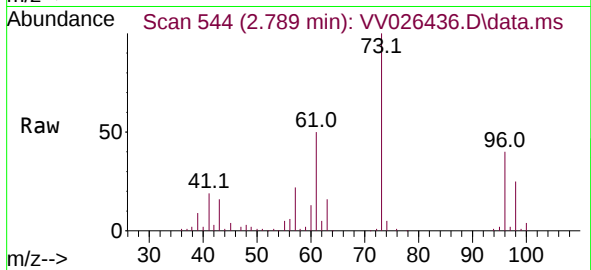




#17
Methyl tert-butyl Ether
Concen: 5.216 ug/L
RT: 2.789 min Scan# 54
Delta R.T. 0.010 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

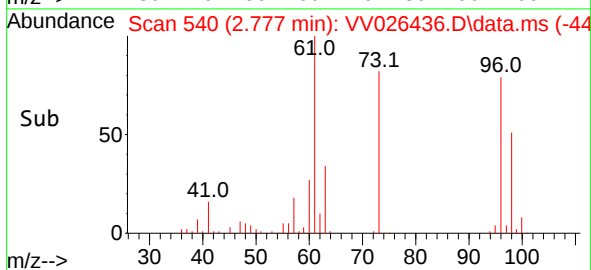
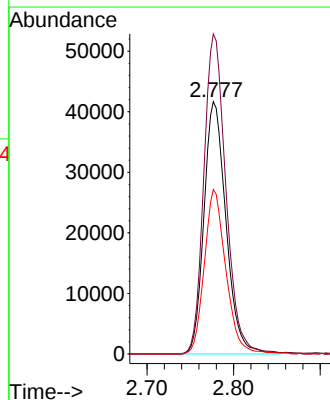
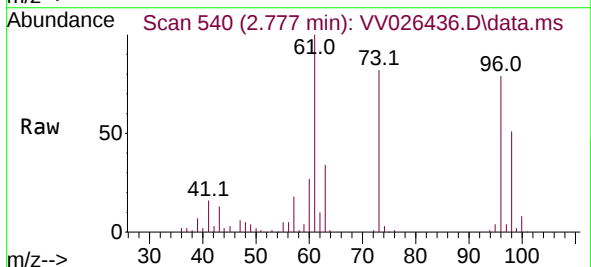
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

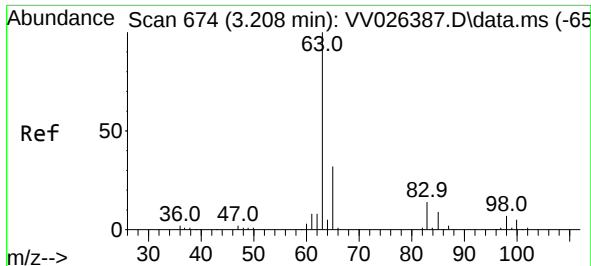
Tgt Ion: 73 Resp: 138494
Ion Ratio Lower Upper
73 100
43 16.0 13.0 19.6
57 21.7 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 4.923 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.006 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 96 Resp: 73728
Ion Ratio Lower Upper
96 100
61 126.8 91.3 169.6
98 65.2 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.072 ug/L

RT: 3.204 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

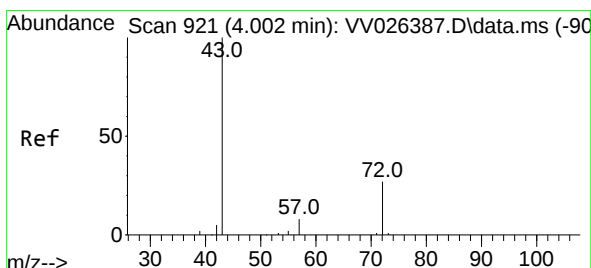
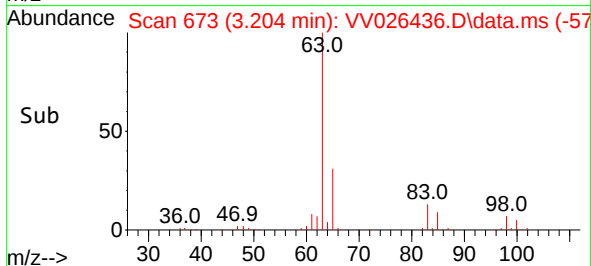
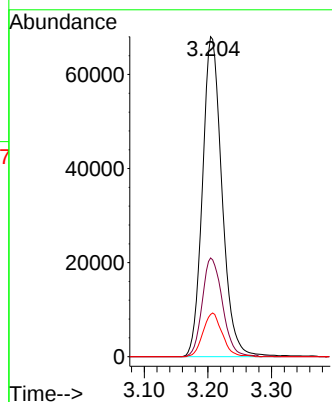
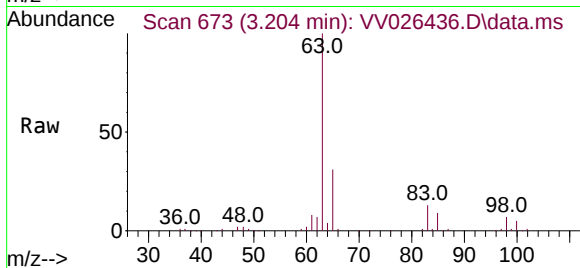
Tgt Ion: 63 Resp: 144875

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.3

83 13.2 8.9 16.5



#21

2-Butanone

Concen: 43.555 ug/L

RT: 4.024 min Scan# 928

Delta R.T. 0.032 min

Lab File: VV026436.D

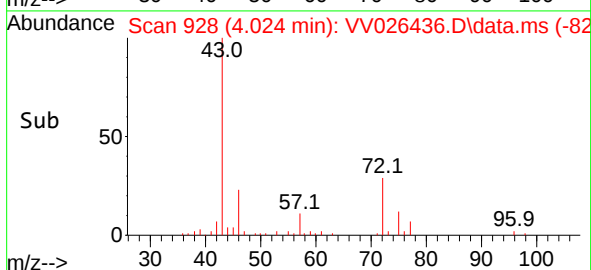
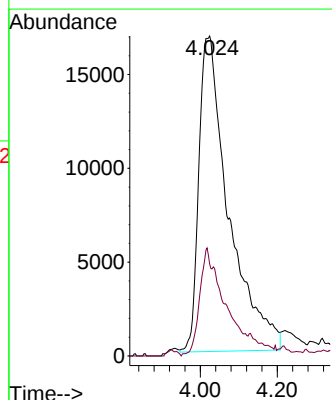
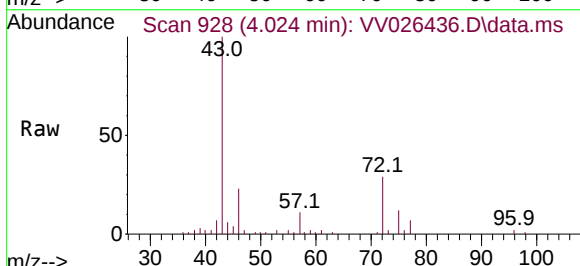
Acq: 20 Jun 2022 11:06

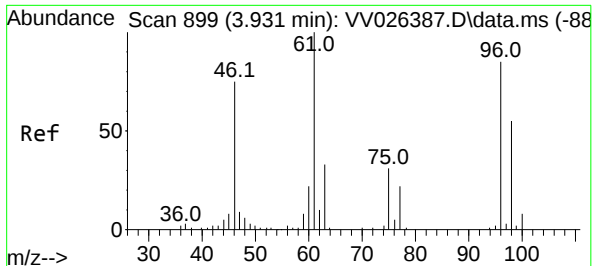
Tgt Ion: 43 Resp: 90474

Ion Ratio Lower Upper

43 100

72 28.2 12.7 38.0





#22

cis-1,2-Dichloroethene

Concen: 5.427 ug/L

RT: 3.928 min Scan# 899

Delta R.T. 0.010 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

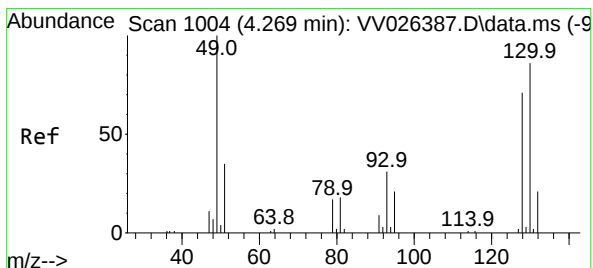
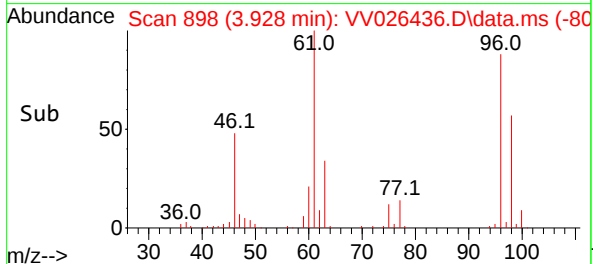
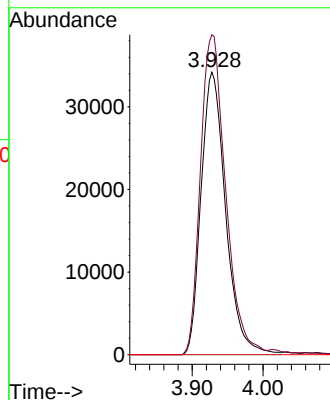
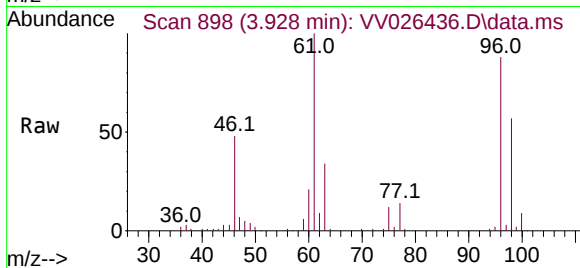
Tgt Ion: 96 Resp: 82238

Ion Ratio Lower Upper

96 100

61 113.3 83.6 155.2

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 4.978 ug/L

RT: 4.262 min Scan# 1002

Delta R.T. 0.006 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Tgt Ion: 128 Resp: 32007

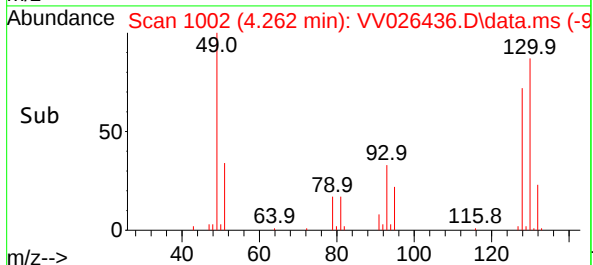
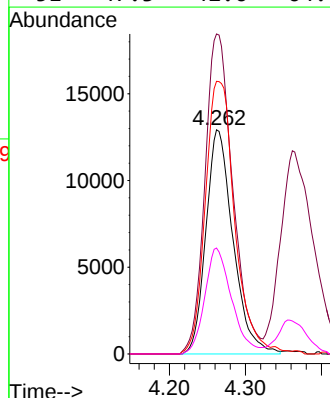
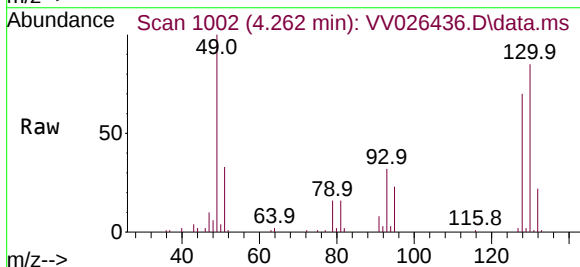
Ion Ratio Lower Upper

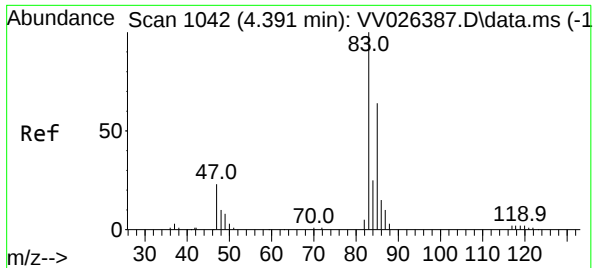
128 100

49 142.7 111.6 207.2

130 121.6 91.1 169.1

51 47.3 42.6 64.0

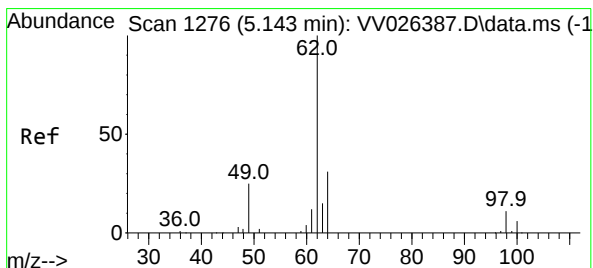
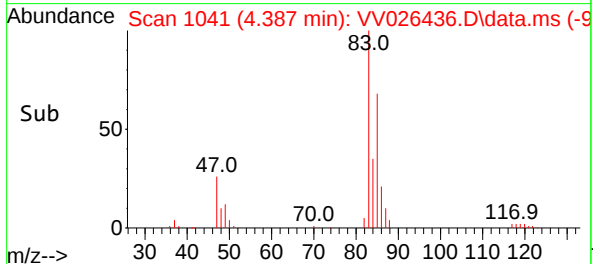
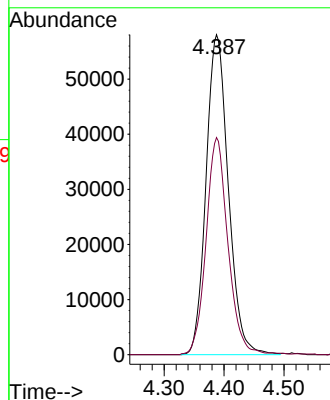
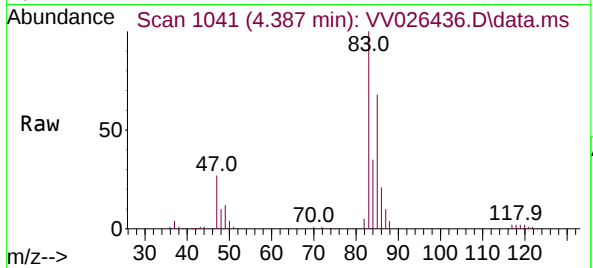




#25
Chloroform
Concen: 4.835 ug/L
RT: 4.387 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

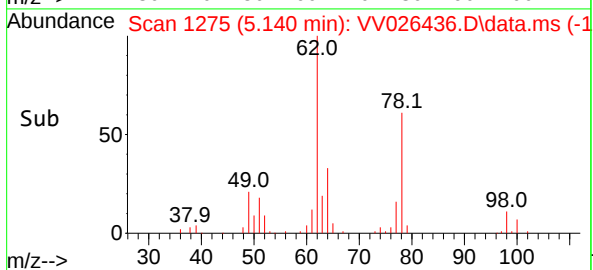
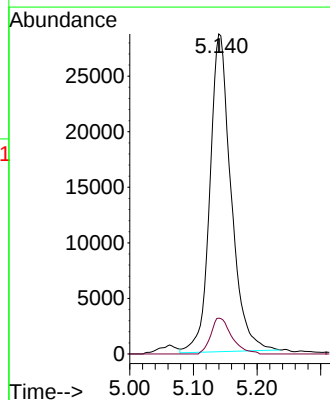
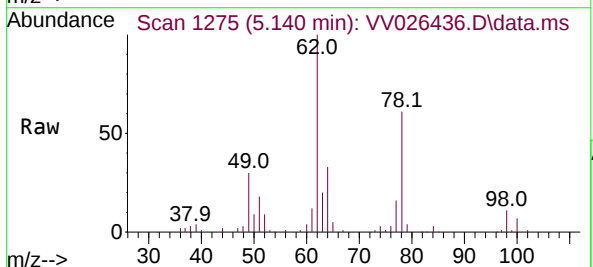
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

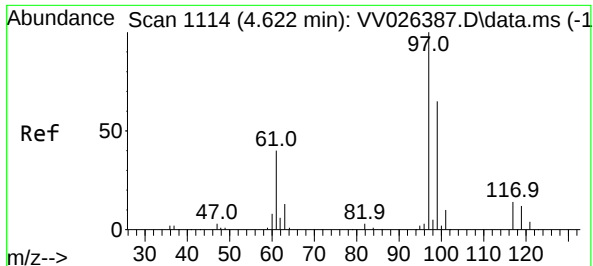
Tgt Ion: 83 Resp: 149800
Ion Ratio Lower Upper
83 100
85 67.9 46.5 86.3



#27
1,2-Dichloroethane
Concen: 4.699 ug/L
RT: 5.140 min Scan# 1275
Delta R.T. 0.006 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 62 Resp: 66268
Ion Ratio Lower Upper
62 100
98 11.2 8.6 13.0





#29

1,1,1-Trichloroethane

Concen: 5.396 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.003 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

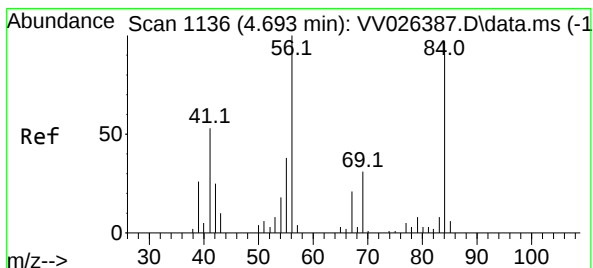
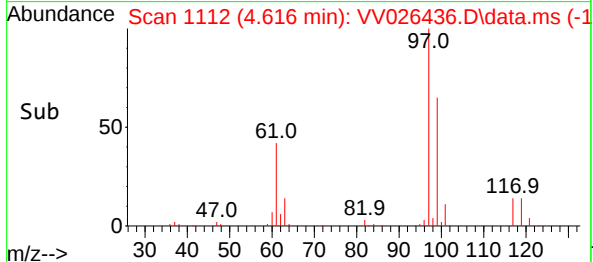
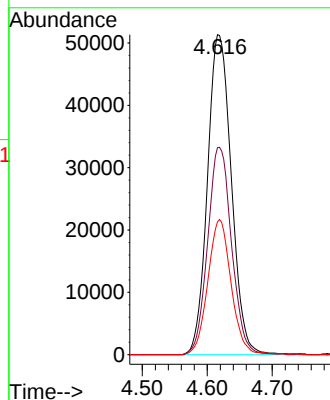
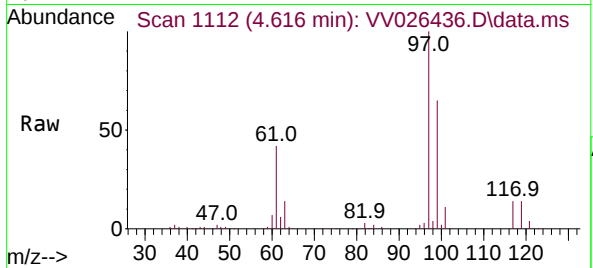
Tgt Ion: 97 Resp: 131176

Ion Ratio Lower Upper

97 100

99 64.8 50.3 75.5

61 41.2 33.4 50.0



#30

Cyclohexane

Concen: 5.308 ug/L

RT: 4.686 min Scan# 1134

Delta R.T. 0.003 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

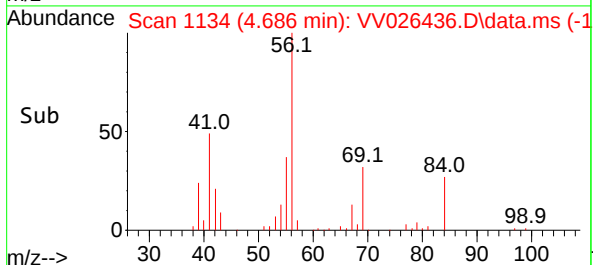
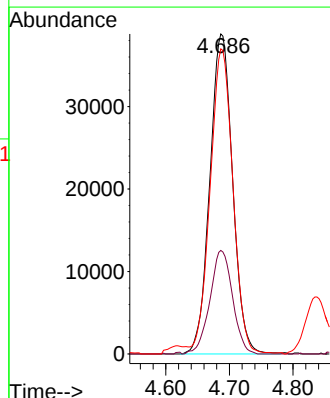
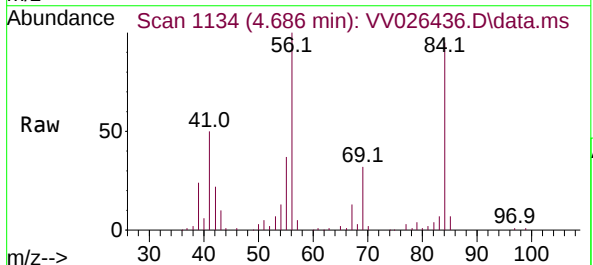
Tgt Ion: 56 Resp: 96501

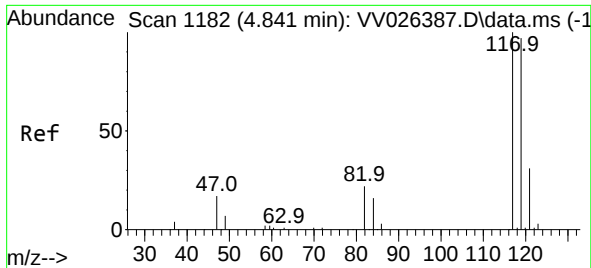
Ion Ratio Lower Upper

56 100

69 32.2 24.9 37.3

84 94.6 76.4 114.6

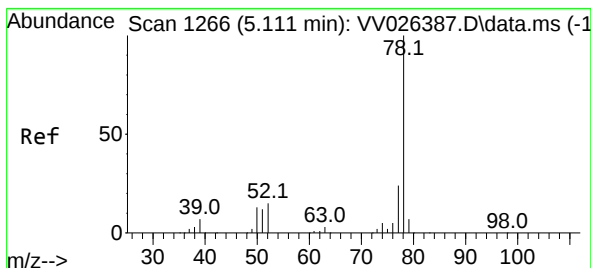
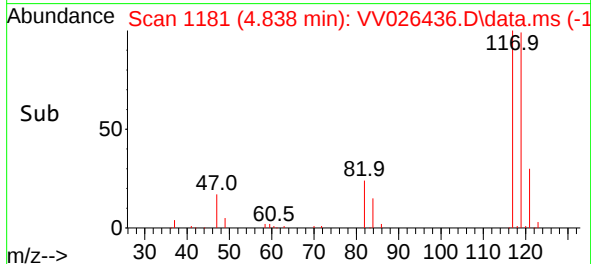
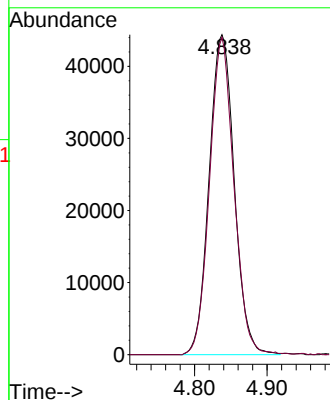
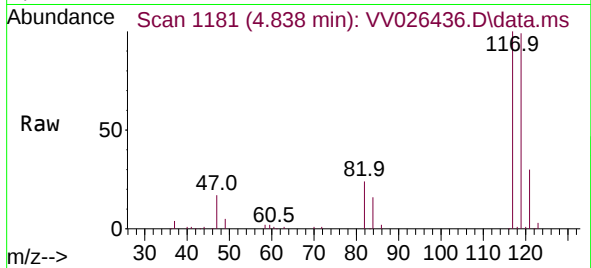




#31
Carbon tetrachloride
Concen: 5.188 ug/L
RT: 4.838 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

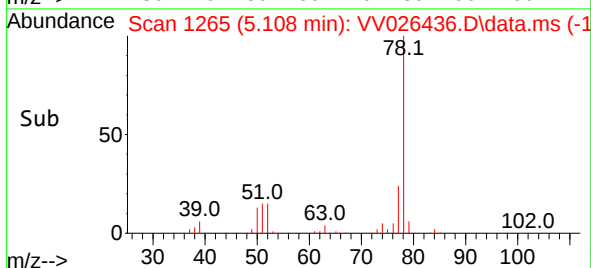
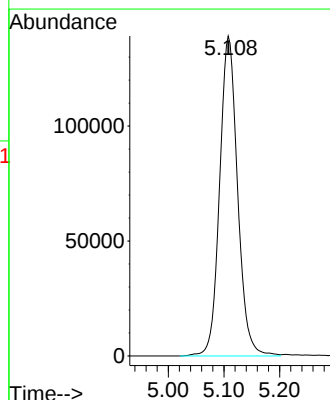
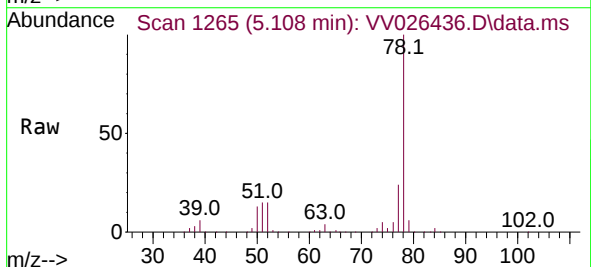
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

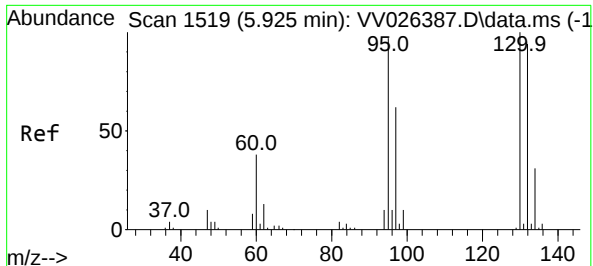
Tgt Ion:117 Resp: 106807
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.4



#33
Benzene
Concen: 5.528 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 78 Resp: 311813



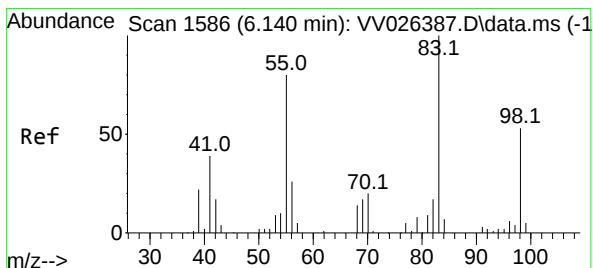
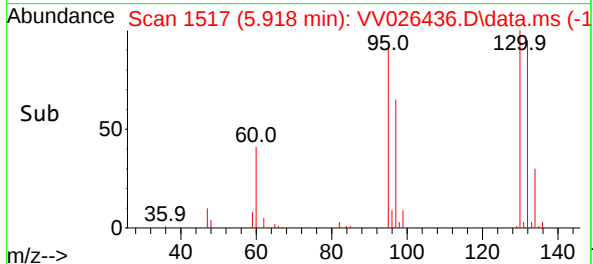
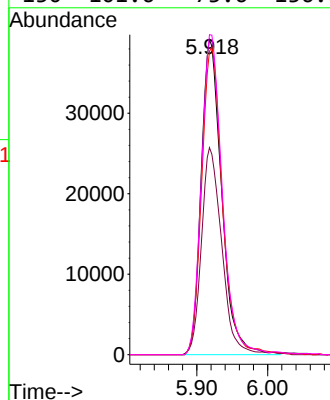
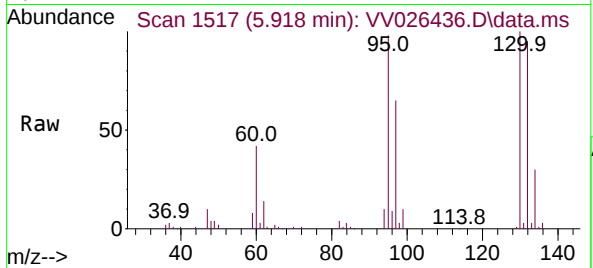


#34
Trichloroethene
Concen: 5.101 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

Tgt Ion: 95 Resp: 78546

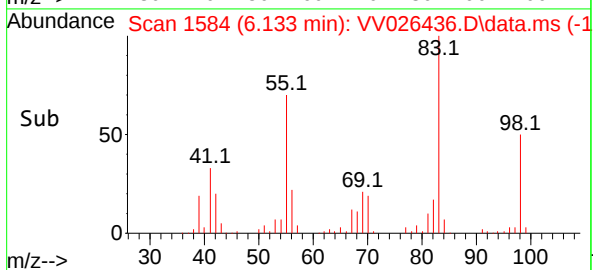
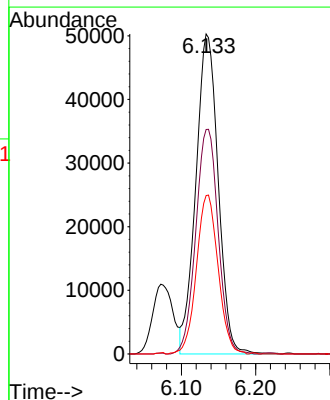
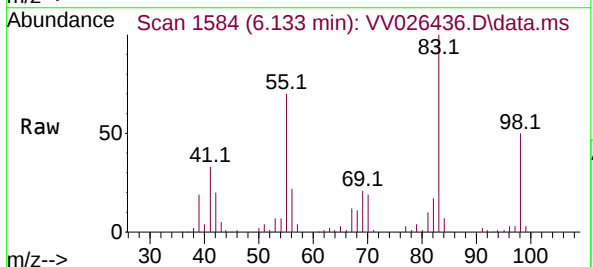
Ion	Ratio	Lower	Upper
95	100		
97	65.7	46.5	86.3
132	96.3	68.8	127.8
130	101.6	73.6	136.6

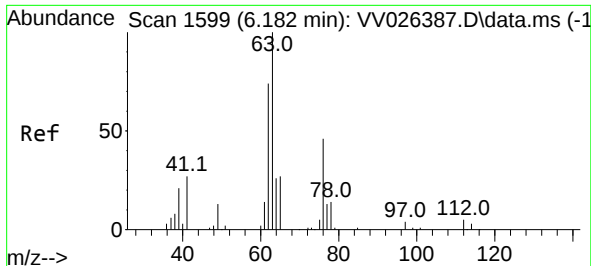


#35
Methylcyclohexane
Concen: 4.939 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.003 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 83 Resp: 105214

Ion	Ratio	Lower	Upper
83	100		
55	70.3	59.3	88.9
98	48.2	39.9	59.9





#37

1,2-Dichloropropane

Concen: 5.266 ug/L

RT: 6.178 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

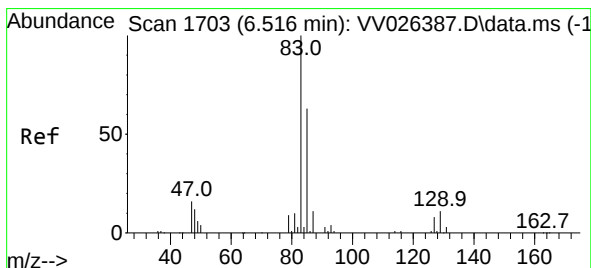
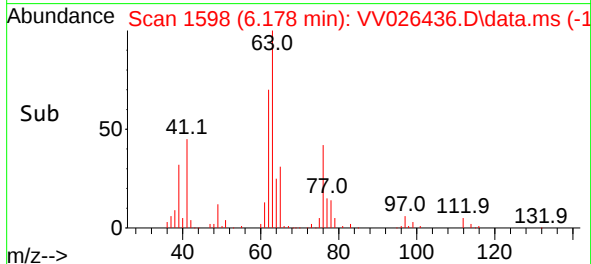
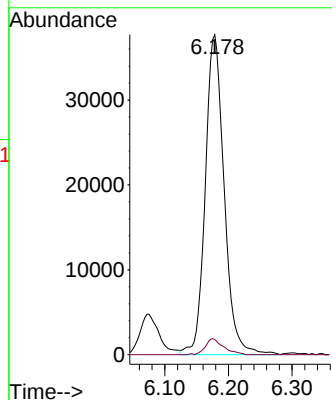
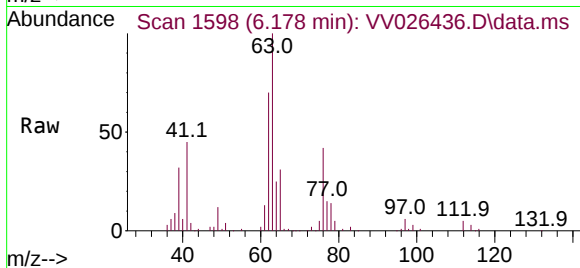
VSTD005328

Tgt Ion: 63 Resp: 77690

Ion Ratio Lower Upper

63 100

112 4.8 3.3 4.9



#38

Bromodichloromethane

Concen: 5.216 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

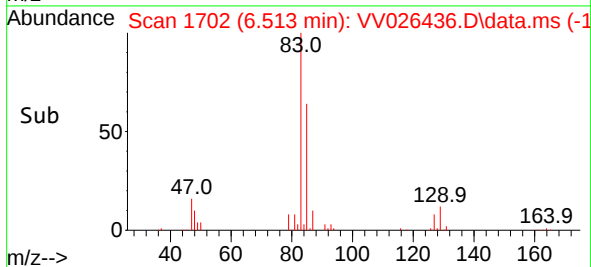
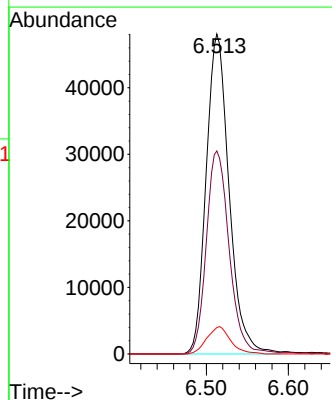
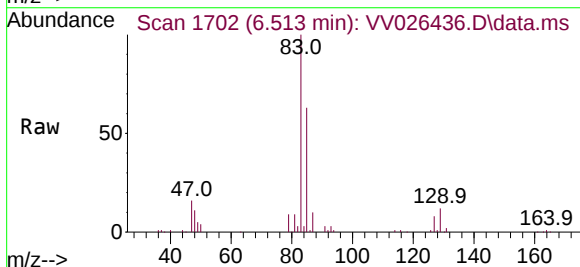
Tgt Ion: 83 Resp: 93339

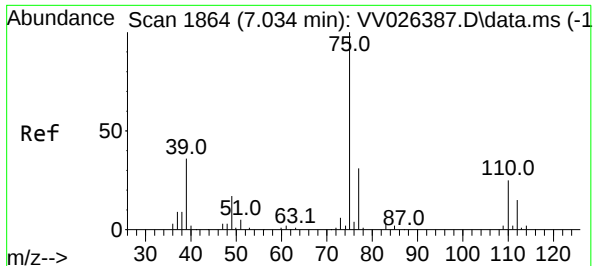
Ion Ratio Lower Upper

83 100

85 63.4 45.6 84.6

127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.263 ug/L

RT: 7.030 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

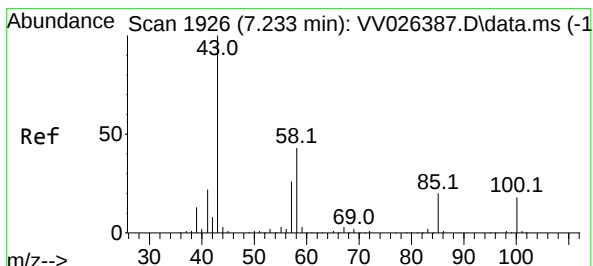
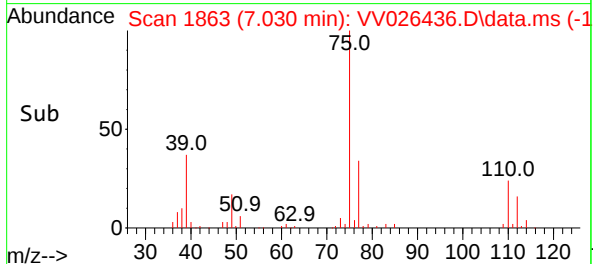
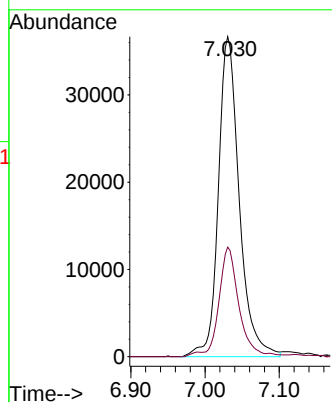
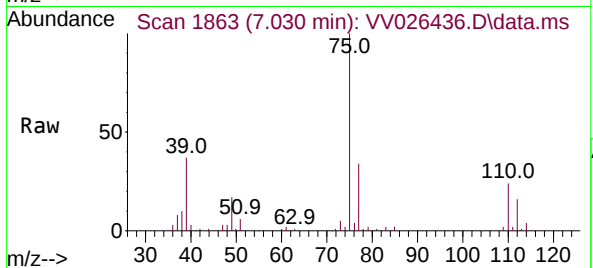
VSTD005328

Tgt Ion: 75 Resp: 71778

Ion Ratio Lower Upper

75 100

77 34.2 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 48.261 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

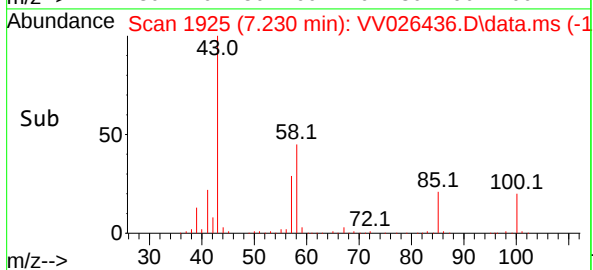
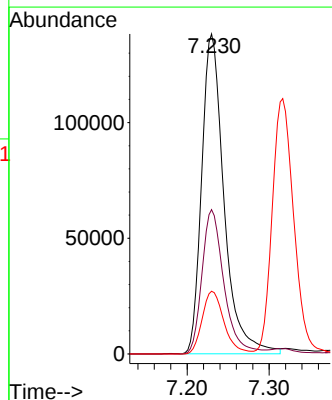
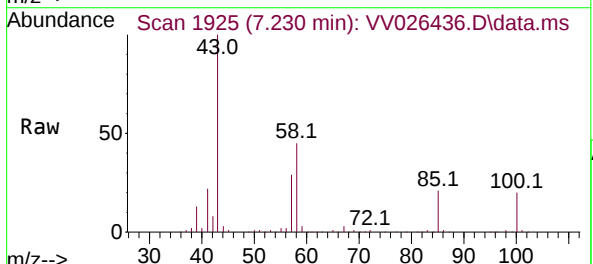
Tgt Ion: 43 Resp: 261780

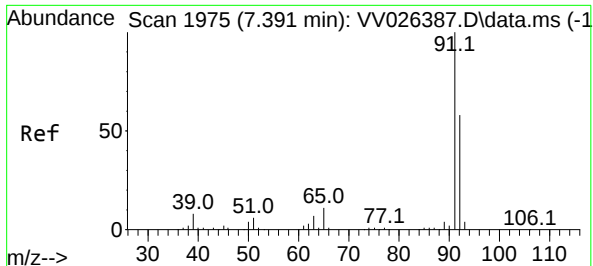
Ion Ratio Lower Upper

43 100

58 44.4 33.3 49.9

100 19.2 13.4 20.2





#42

Toluene

Concen: 5.667 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. -0.000 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

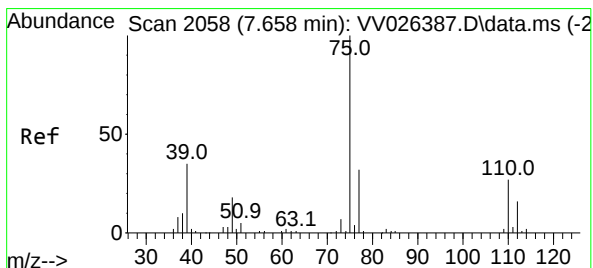
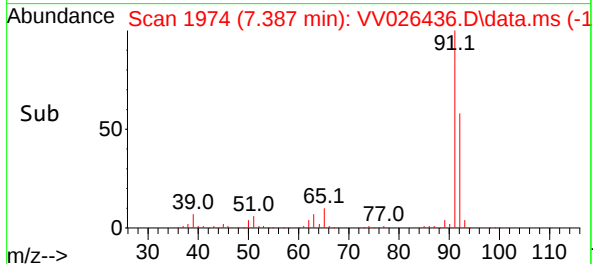
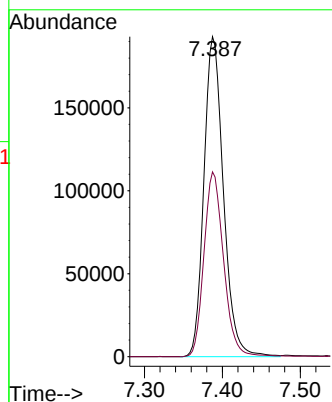
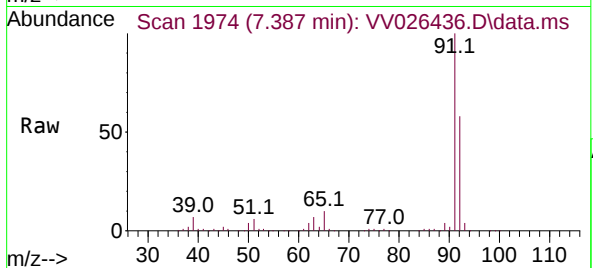
VSTD005328

Tgt Ion: 91 Resp: 336163

Ion Ratio Lower Upper

91 100

92 57.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.087 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV026436.D

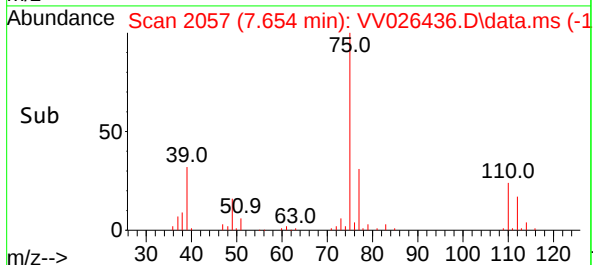
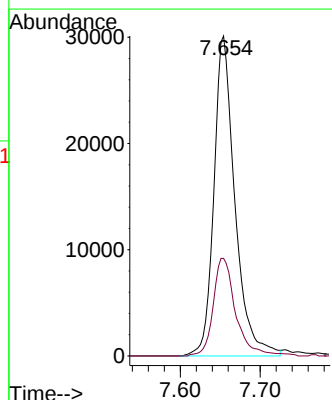
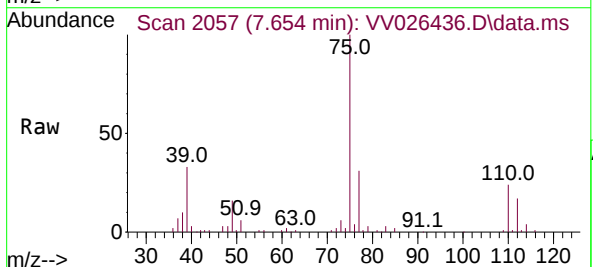
Acq: 20 Jun 2022 11:06

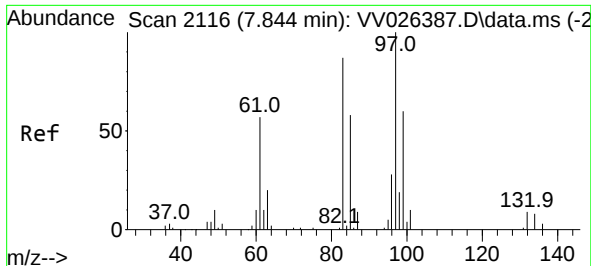
Tgt Ion: 75 Resp: 54953

Ion Ratio Lower Upper

75 100

77 30.5 23.7 43.9





#45

1,1,2-Trichloroethane

Concen: 4.963 ug/L

RT: 7.841 min Scan# 2116

Delta R.T. 0.003 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

Tgt Ion: 97 Resp: 48058

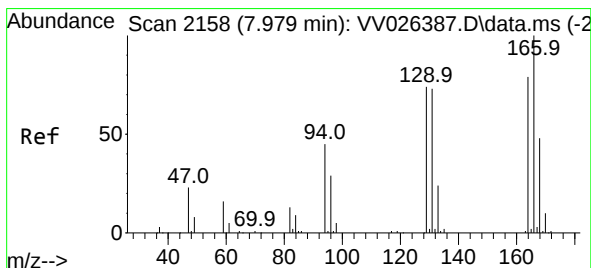
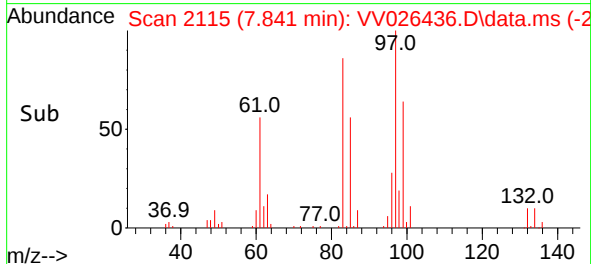
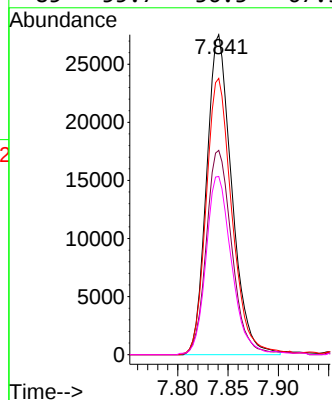
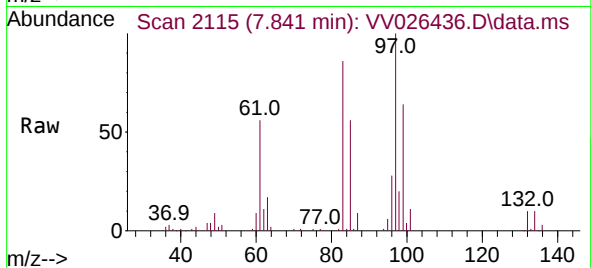
Ion Ratio Lower Upper

97 100

99 63.8 42.4 78.6

83 86.3 56.1 104.1

85 55.7 36.3 67.5



#47

Tetrachloroethene

Concen: 5.370 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Tgt Ion: 164 Resp: 61255

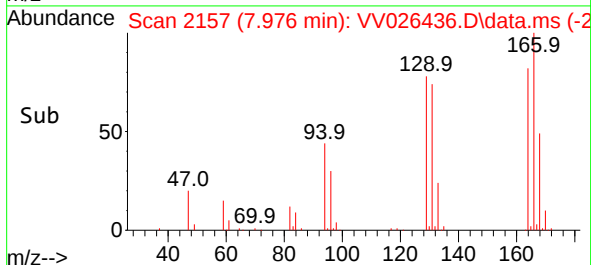
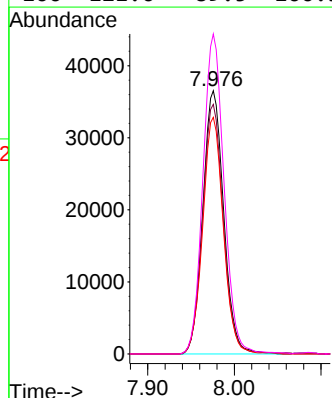
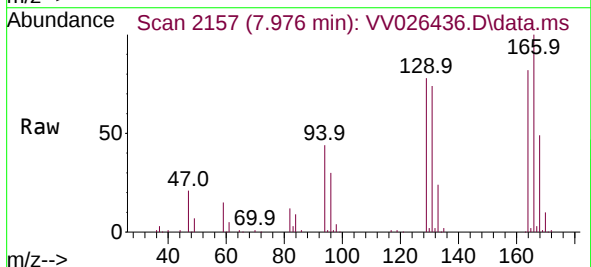
Ion Ratio Lower Upper

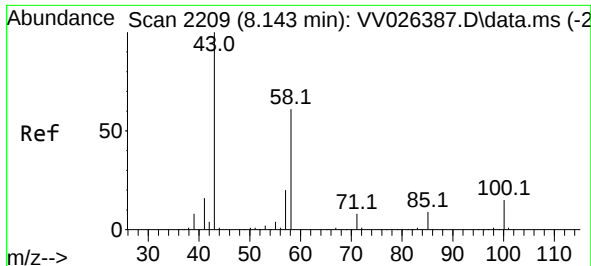
164 100

129 94.9 67.5 125.3

131 89.9 63.8 118.4

166 121.6 89.5 166.3



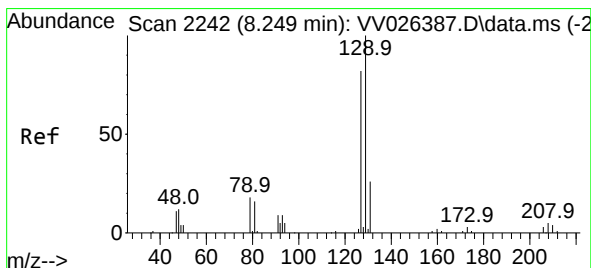
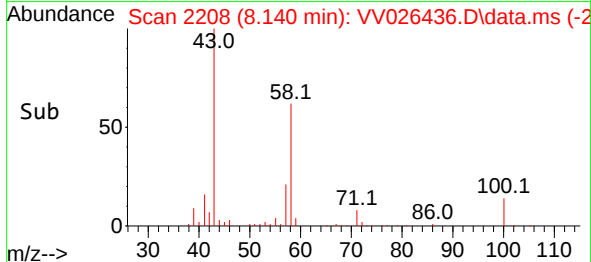
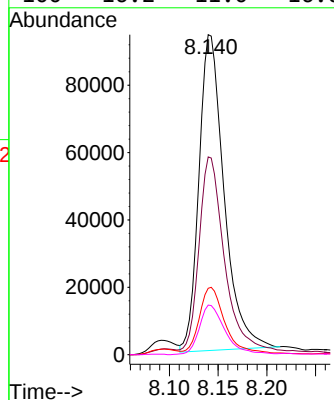
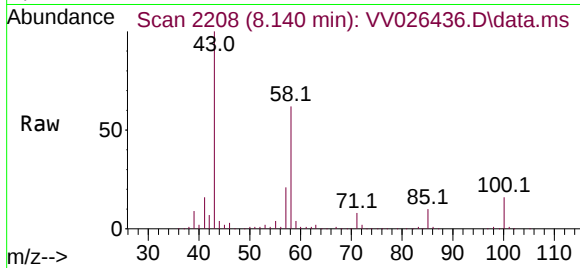


#48
2-Hexanone
Concen: 43.311 ug/L
RT: 8.140 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

Tgt Ion: 43 Resp: 168320

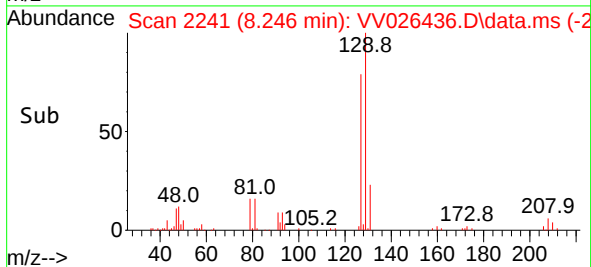
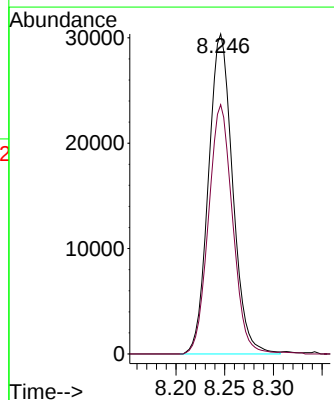
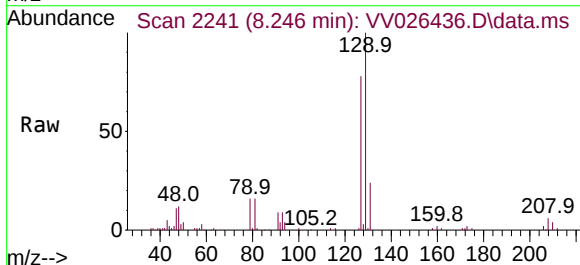
Ion	Ratio	Lower	Upper
43	100		
58	63.7	48.7	73.1
57	22.0	16.0	24.0
100	16.2	11.0	16.6

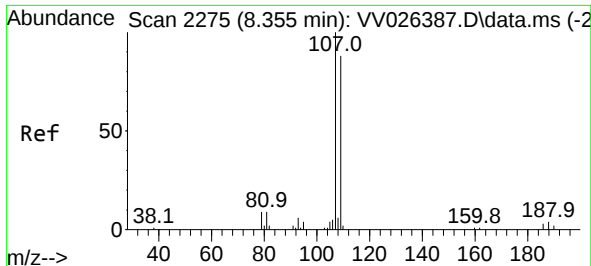


#49
Dibromochloromethane
Concen: 4.890 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 129 Resp: 52441

Ion	Ratio	Lower	Upper
129	100		
127	77.9	56.4	104.7





#50

1,2-Dibromoethane

Concen: 5.161 ug/L

RT: 8.352 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

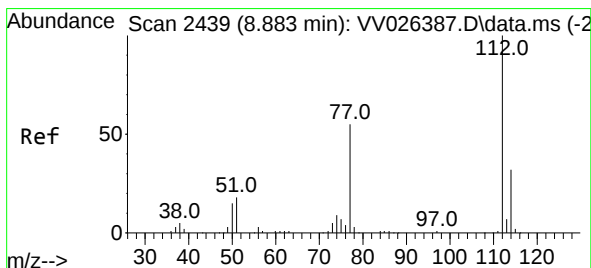
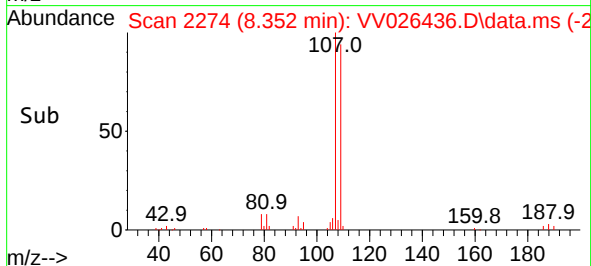
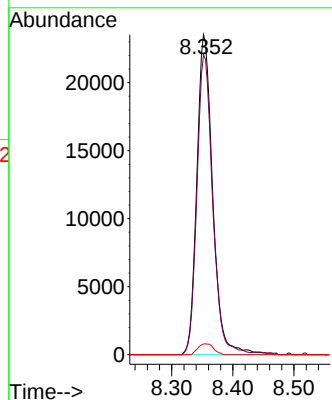
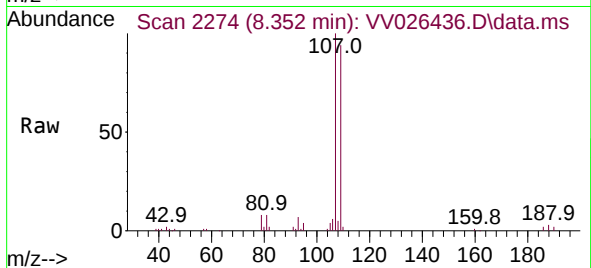
Tgt Ion:107 Resp: 42582

Ion Ratio Lower Upper

107 100

109 93.7 65.2 121.2

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 5.512 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

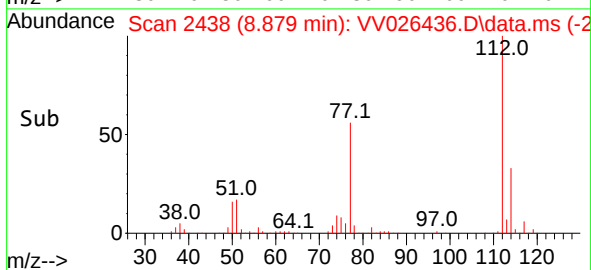
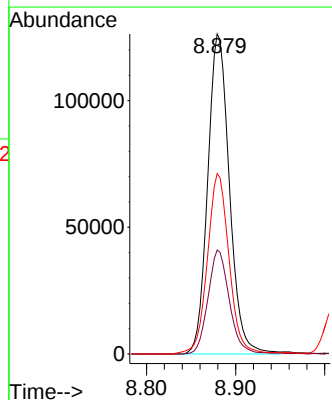
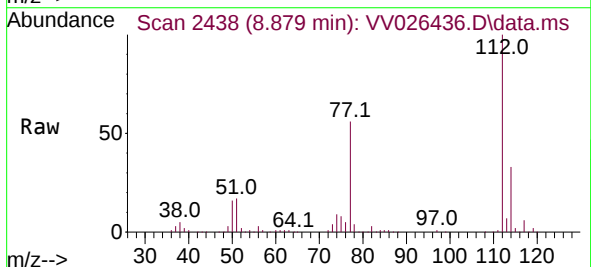
Tgt Ion:112 Resp: 213507

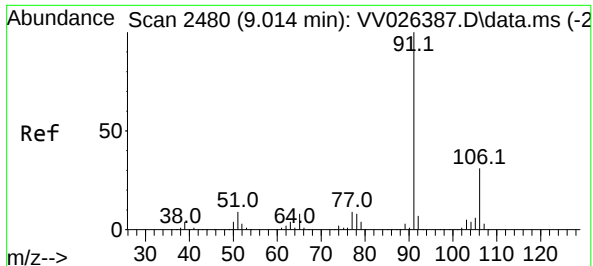
Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

77 56.4 44.5 66.7





#52

Ethylbenzene

Concen: 5.783 ug/L

RT: 9.011 min Scan# 24

Delta R.T. -0.000 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

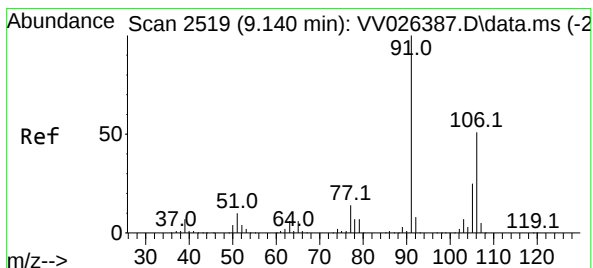
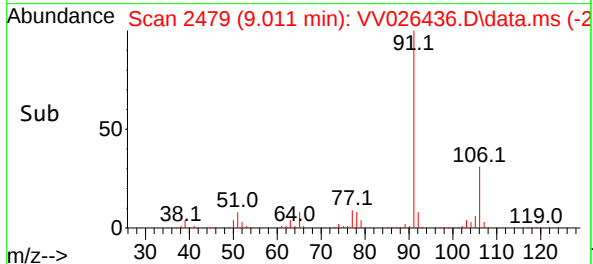
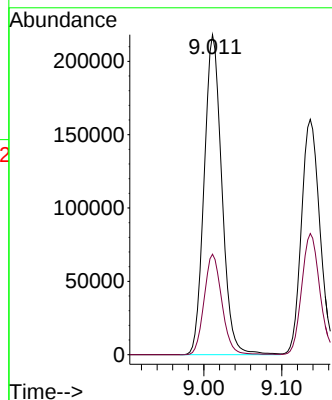
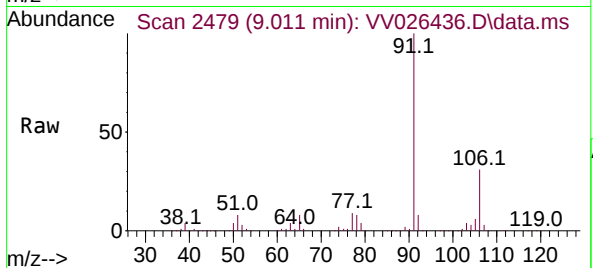
VSTD005328

Tgt Ion: 91 Resp: 343897

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.0



#53

m,p-Xylene

Concen: 5.792 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.000 min

Lab File: VV026436.D

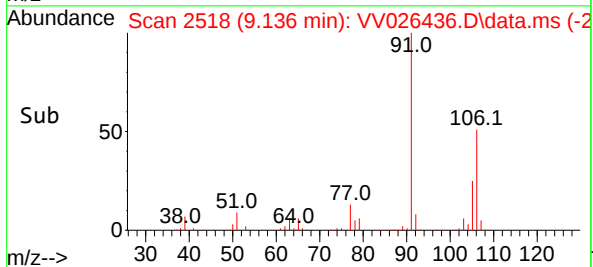
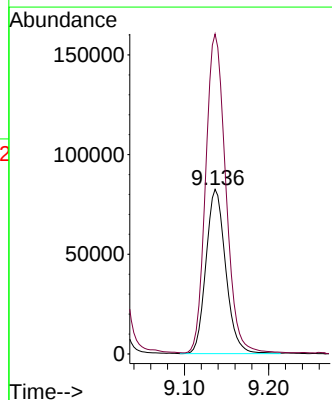
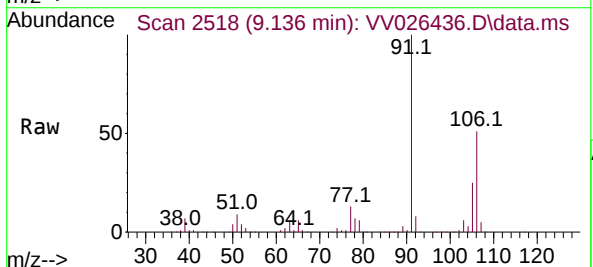
Acq: 20 Jun 2022 11:06

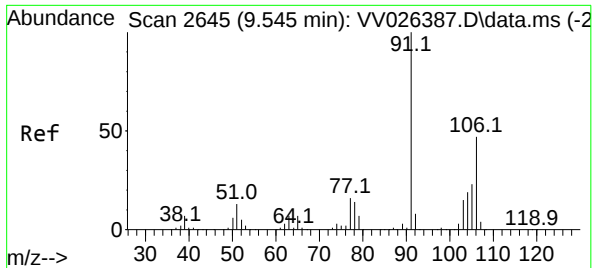
Tgt Ion: 106 Resp: 134270

Ion Ratio Lower Upper

106 100

91 194.4 141.3 262.3

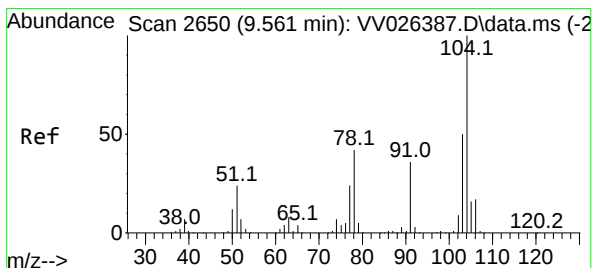
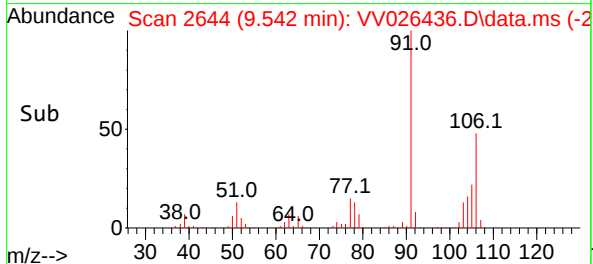
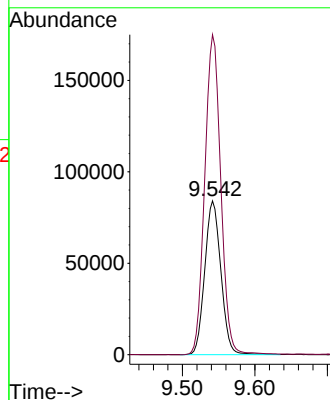
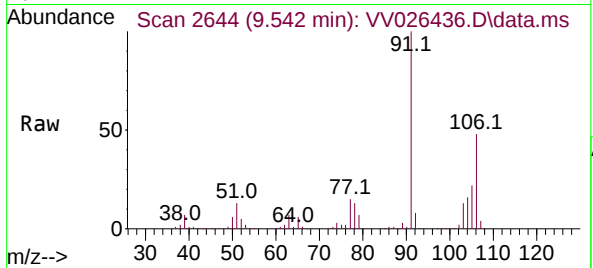




#54
o-Xylene
Concen: 5.788 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

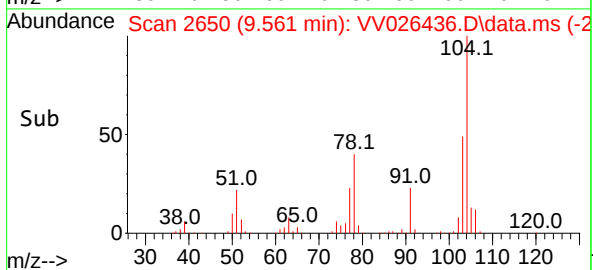
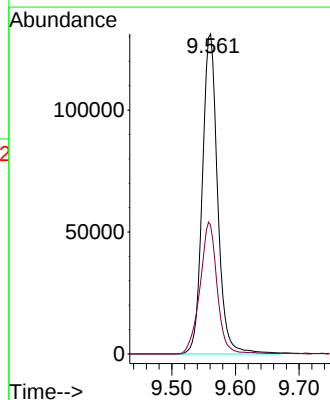
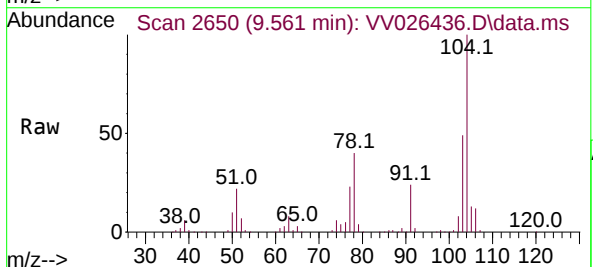
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

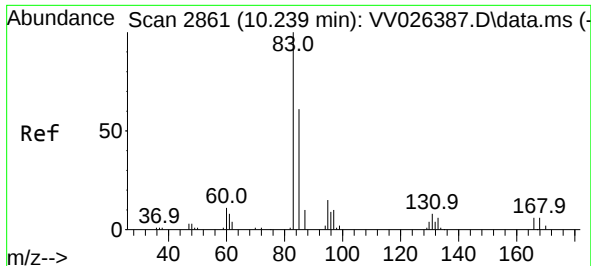
Tgt Ion:106 Resp: 129971
Ion Ratio Lower Upper
106 100
91 208.2 143.3 266.1



#55
Styrene
Concen: 5.799 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion:104 Resp: 218701
Ion Ratio Lower Upper
104 100
78 40.1 29.5 54.7

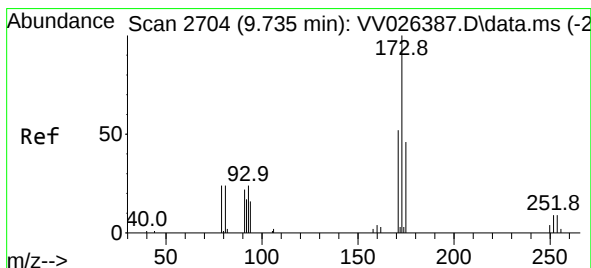
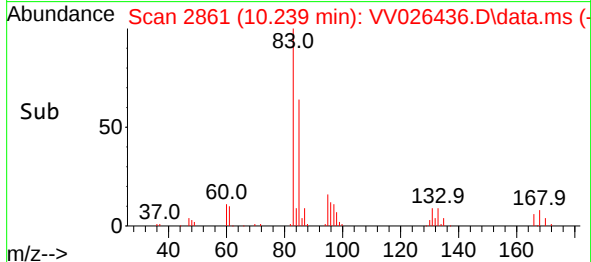
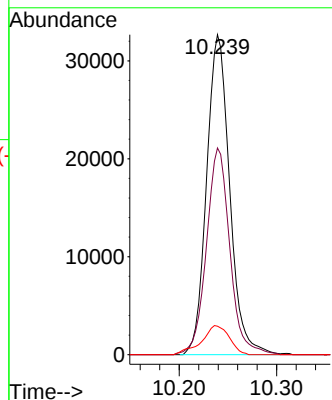
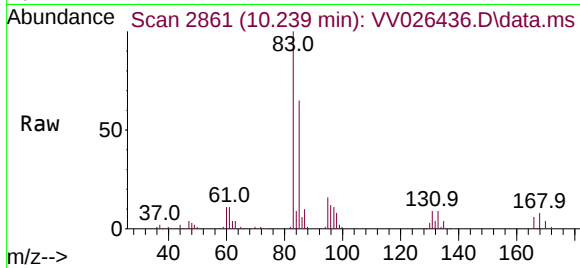




#57
1,1,2,2-Tetrachloroethane
Concen: 5.467 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

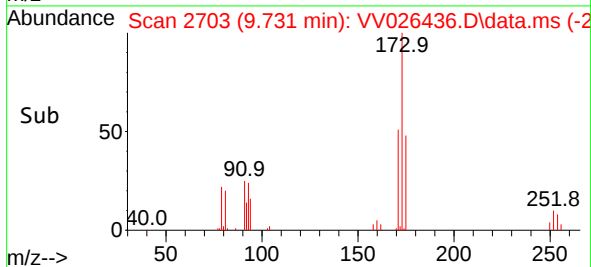
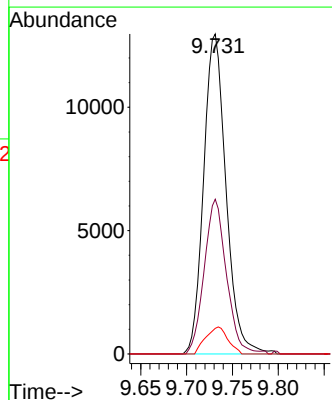
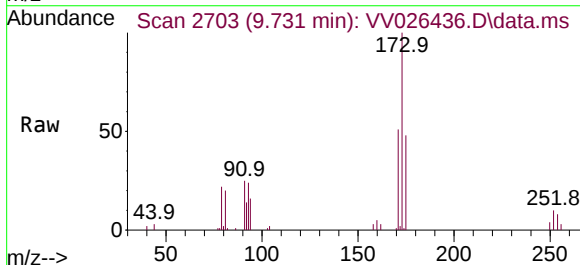
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

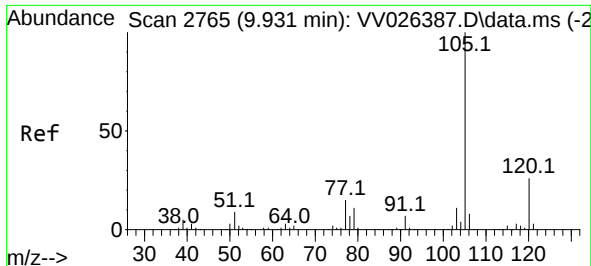
Tgt Ion:	83	Resp:	53699
Ion	Ratio	Lower	Upper
83	100		
85	64.6	47.1	87.5
131	8.9	7.7	11.5



#59
Bromoform
Concen: 4.637 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.003 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion:	173	Resp:	22018
Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.3	57.5
254	8.3	6.9	10.3

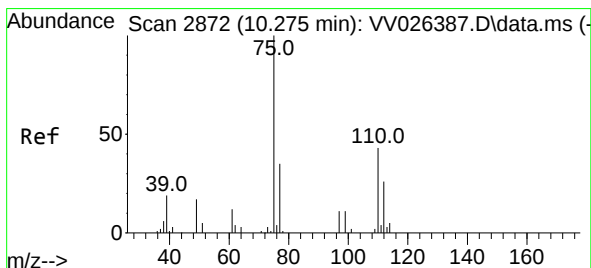
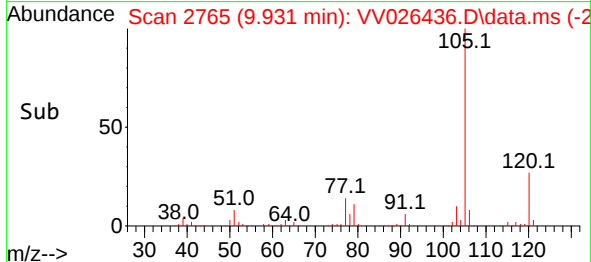
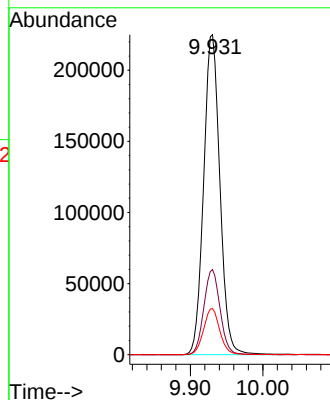
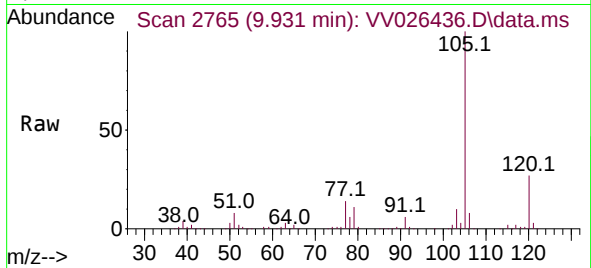




#60
Isopropylbenzene
Concen: 6.078 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

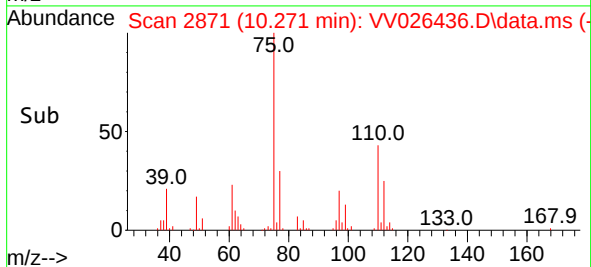
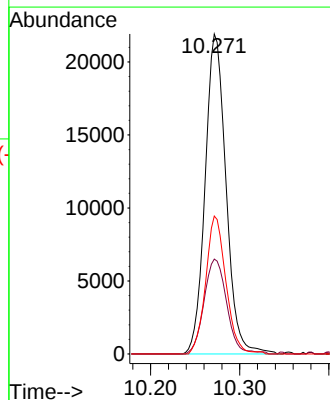
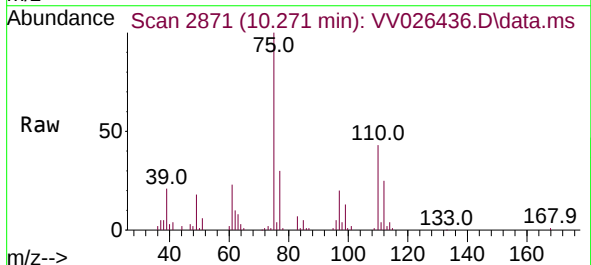
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

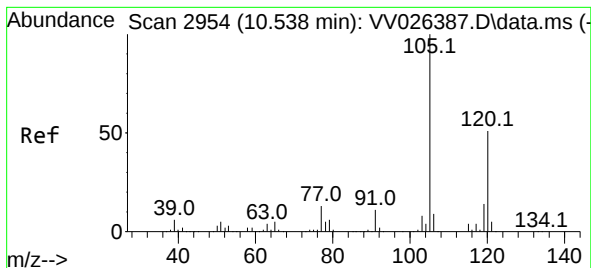
Tgt Ion:105 Resp: 350412
Ion Ratio Lower Upper
105 100
120 26.5 21.5 32.3
77 14.5 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.096 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 75 Resp: 35759
Ion Ratio Lower Upper
75 100
77 32.1 26.9 40.3
110 41.4 30.7 46.1





#62

1,3,5-Trimethylbenzene

Concen: 5.874 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

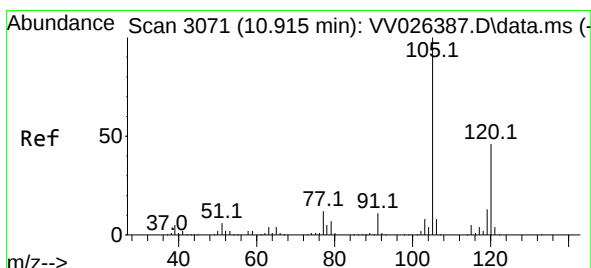
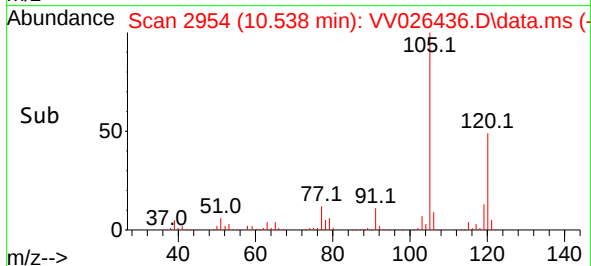
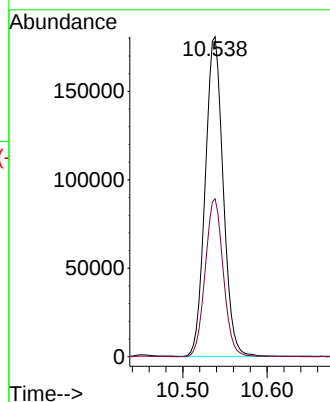
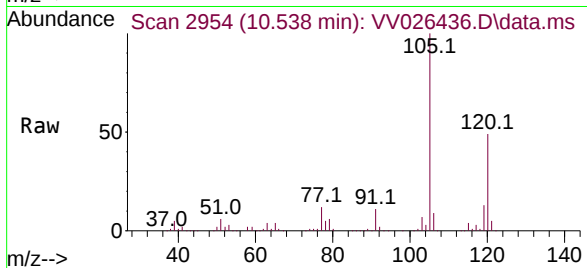
VSTD005328

Tgt Ion:105 Resp: 268716

Ion Ratio Lower Upper

105 100

120 49.7 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 6.075 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV026436.D

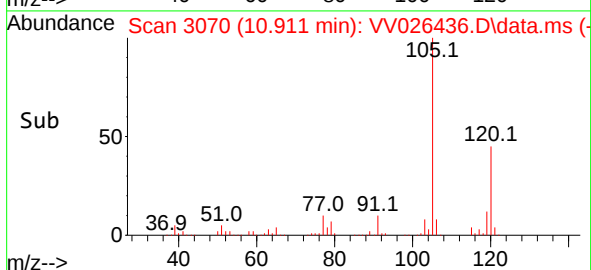
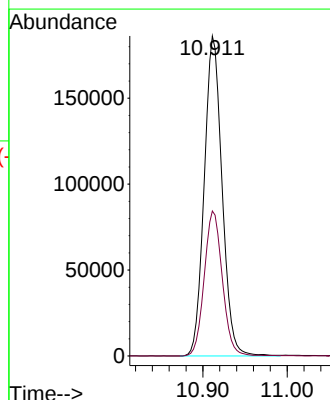
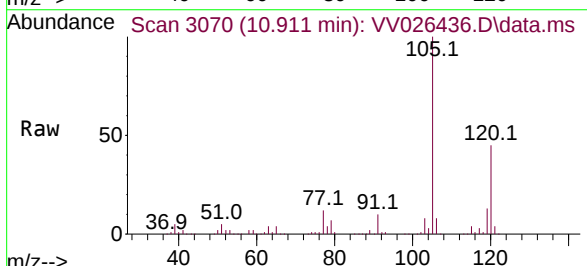
Acq: 20 Jun 2022 11:06

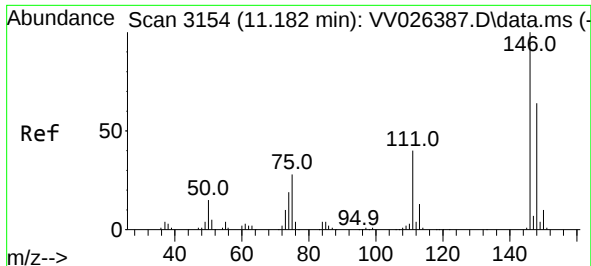
Tgt Ion:105 Resp: 275090

Ion Ratio Lower Upper

105 100

120 45.9 36.9 55.3

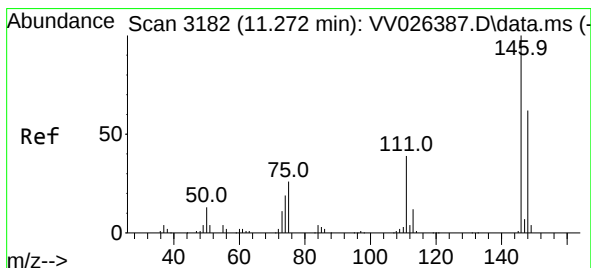
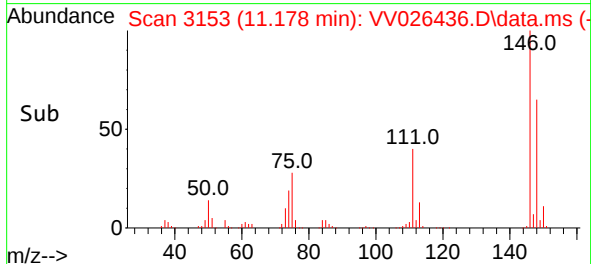
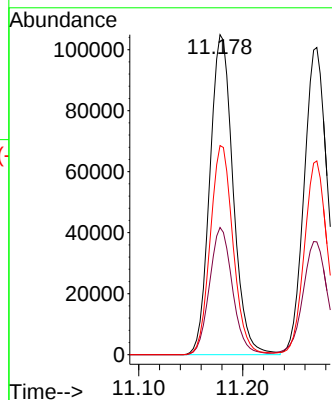
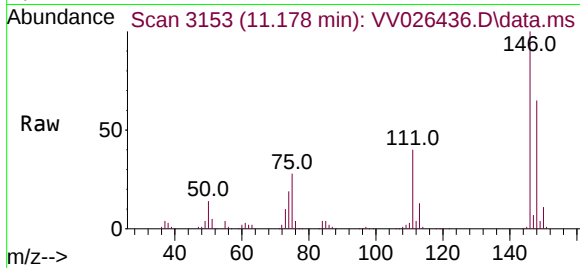




#64
1,3-Dichlorobenzene
Concen: 5.760 ug/L
RT: 11.178 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

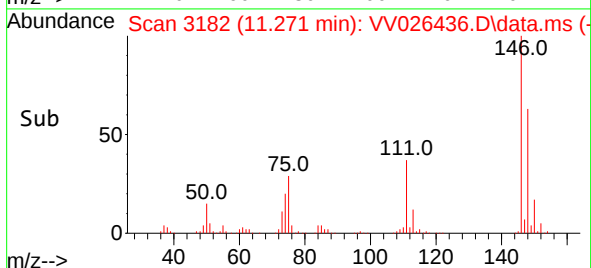
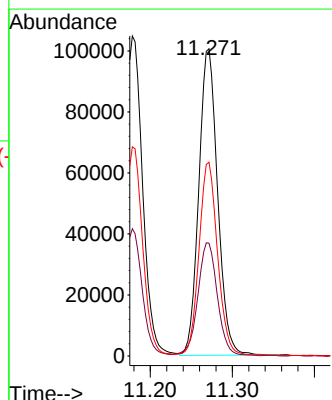
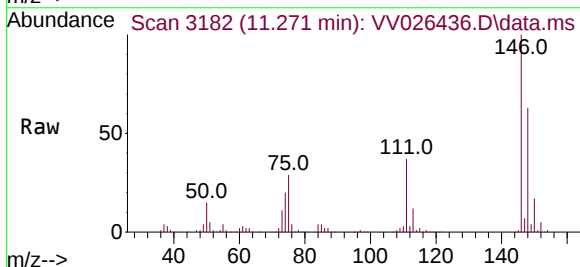
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

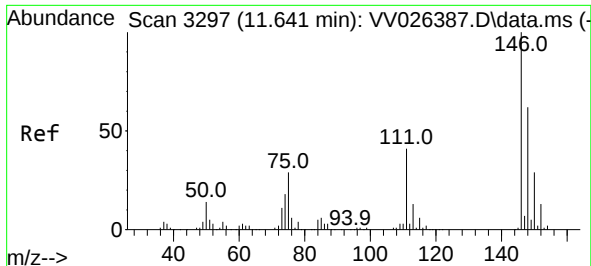
Tgt Ion:146 Resp: 163178
Ion Ratio Lower Upper
146 100
111 39.8 27.8 51.6
148 65.3 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 5.565 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion:146 Resp: 160209
Ion Ratio Lower Upper
146 100
111 36.7 26.7 49.7
148 63.1 43.3 80.3

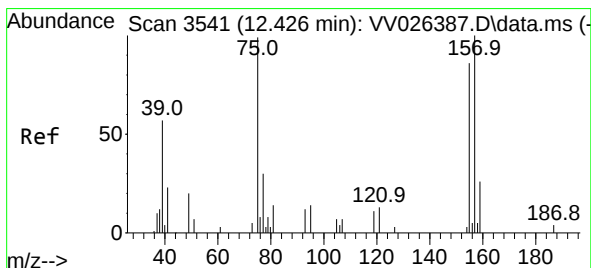
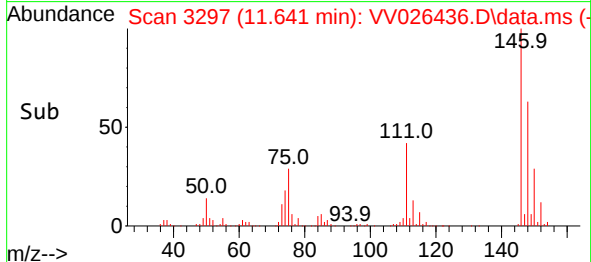
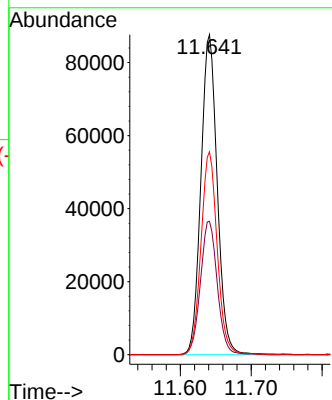
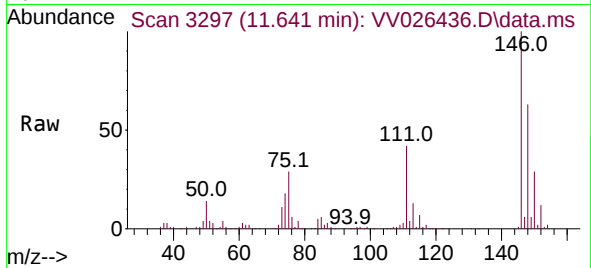




#67
1,2-Dichlorobenzene
Concen: 5.588 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

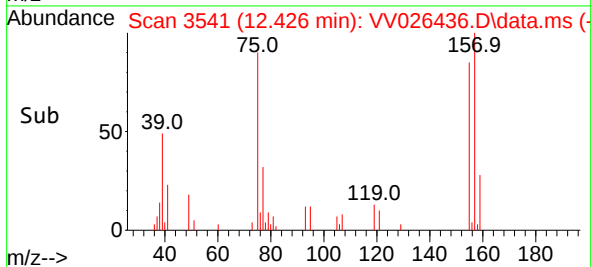
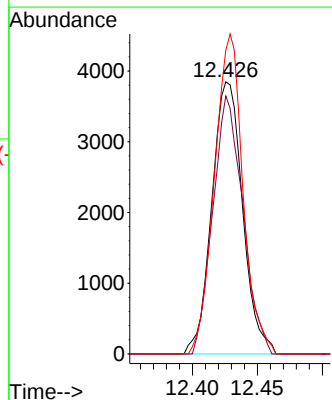
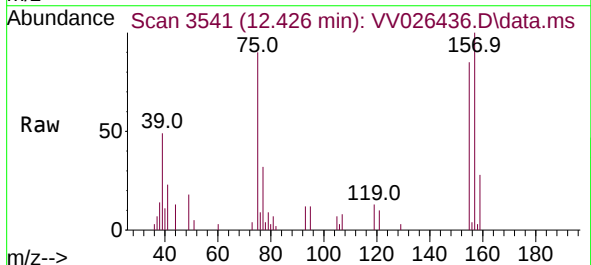
Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

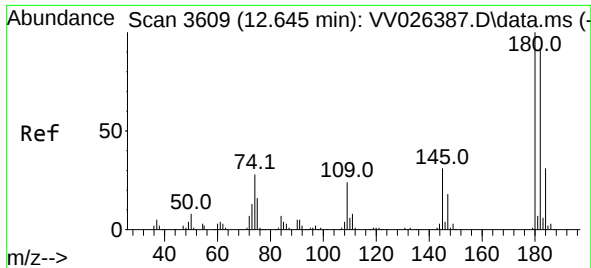
Tgt Ion:146 Resp: 140206
Ion Ratio Lower Upper
146 100
111 41.7 33.8 50.8
148 63.4 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 5.090 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion: 75 Resp: 6327
Ion Ratio Lower Upper
75 100
155 94.9 63.7 95.5
157 111.7 85.0 127.6





#69

1,3,5-Trichlorobenzene

Concen: 5.479 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD005328

Tgt Ion:180 Resp: 112218

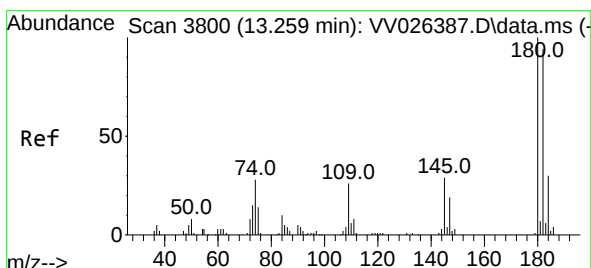
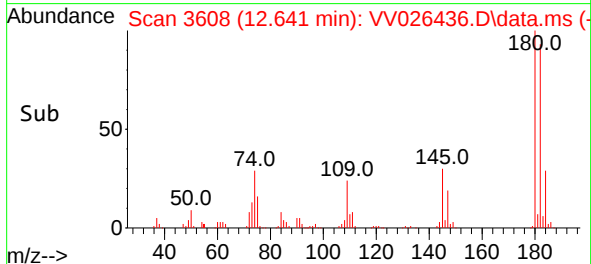
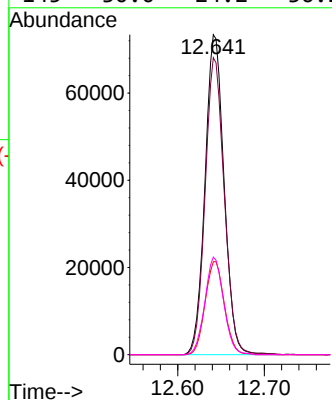
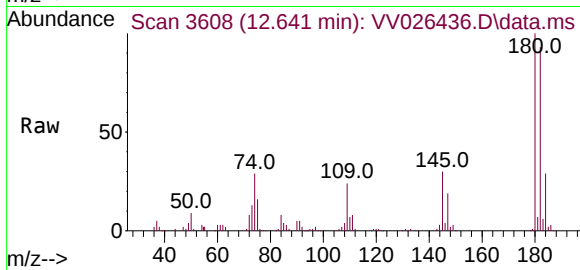
Ion Ratio Lower Upper

180 100

182 93.3 75.5 113.3

184 29.3 23.7 35.5

145 30.0 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 5.349 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV026436.D

Acq: 20 Jun 2022 11:06

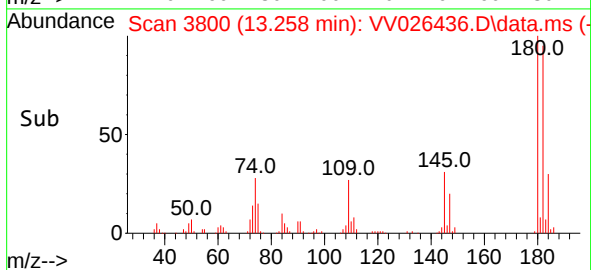
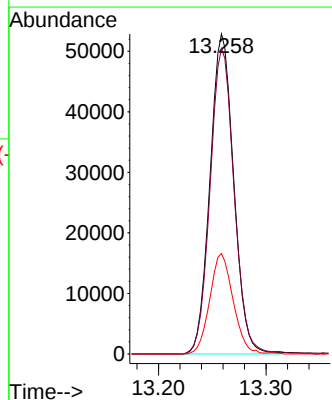
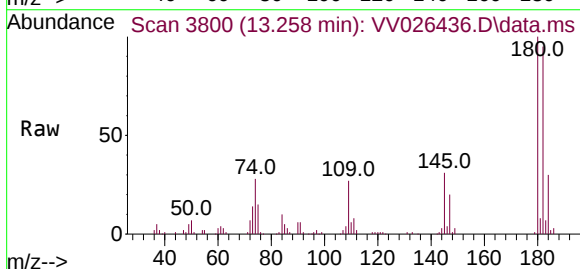
Tgt Ion:180 Resp: 80813

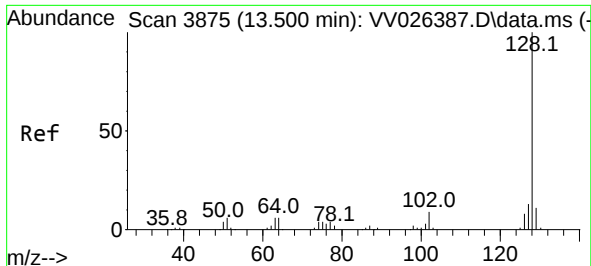
Ion Ratio Lower Upper

180 100

182 97.0 76.2 114.2

145 30.9 23.9 35.9

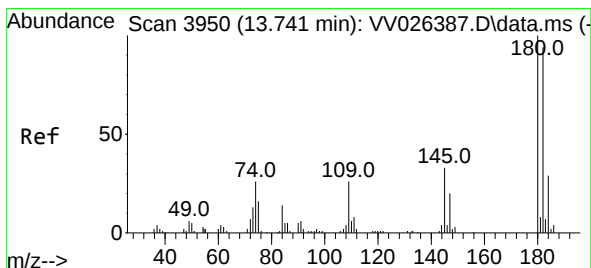
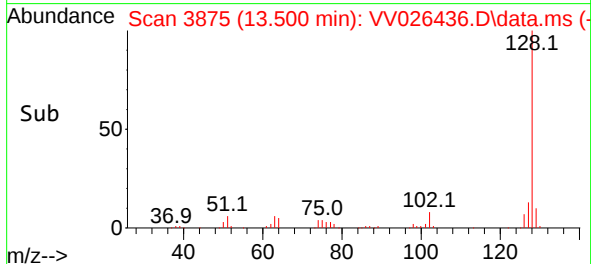
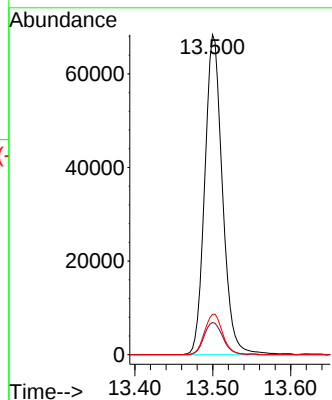
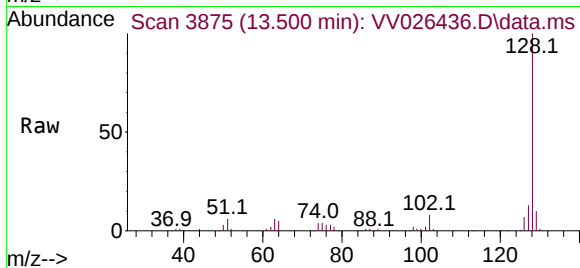




#71
Naphthalene
Concen: 5.131 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD005328

Tgt Ion:128 Resp: 107617
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.9 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.347 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV026436.D
Acq: 20 Jun 2022 11:06

Tgt Ion:180 Resp: 67623
Ion Ratio Lower Upper
180 100
182 92.8 77.9 116.9
145 32.2 26.7 40.1

