

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021822\
 Data File : VW024745.D
 Acq On : 18 Feb 2022 09:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005317

Quant Time: Feb 19 00:41:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 07:32:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	171796	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	159505	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	74899	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	66684	4.576	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.600%
7) Chloroethane-d5	1.568	69	57193	4.784	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.111	63	127966	4.792	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.800%
20) 2-Butanone-d5	3.886	46	109604	52.660	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.320%
24) Chloroform-d	4.342	84	112313	4.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.027	65	49859	4.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.043	84	227731	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.066	67	67097	4.955	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.310	98	206411	4.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	7.619	79	23186	5.140	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.800%
46) 2-Hexanone-d5	8.085	63	89828	50.605	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.200%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	40230	4.929	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	62866	4.851	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	85747	5.118	ug/L	100
3) Chloromethane	1.243	50	85820	5.129	ug/L	99
5) Vinyl chloride	1.310	62	92557	5.039	ug/L	98
6) Bromomethane	1.523	94	56201	5.122	ug/L	97
8) Chloroethane	1.587	64	57812	5.109	ug/L	99
9) Trichlorofluoromethane	1.754	101	123710	5.130	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	71473	5.104	ug/L	99
12) 1,1-Dichloroethene	2.117	96	67556	5.049	ug/L	95
13) Acetone	2.182	43	75906	51.714	ug/L	97
14) Carbon disulfide	2.294	76	190930	5.085	ug/L	100
15) Methyl Acetate	2.439	43	20020	5.210	ug/L	95
16) Methylene chloride	2.506	84	65123	4.944	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	134471	5.113	ug/L	100
18) trans-1,2-Dichloroethene	2.757	96	66982	5.126	ug/L	97
19) 1,1-Dichloroethane	3.188	63	124073	5.185	ug/L	100
21) 2-Butanone	3.969	43	125265	55.226	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	70321	5.091	ug/L	99
23) Bromochloromethane	4.246	128	27434	5.139	ug/L	93
25) Chloroform	4.371	83	127597	5.105	ug/L	100

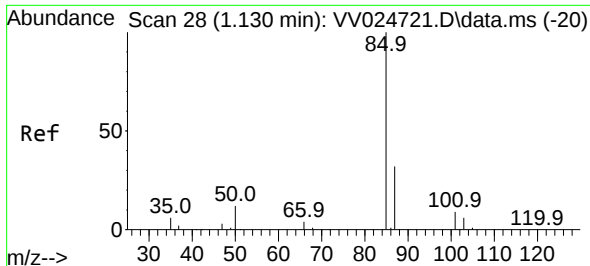
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 Data File : VW024745.D
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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005317

Quant Time: Feb 19 00:41:12 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 07:32:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	67688	5.074	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	109982	5.138	ug/L	98
30) Cyclohexane	4.674	56	109828	5.058	ug/L	100
31) Carbon tetrachloride	4.825	117	93296	5.184	ug/L	99
33) Benzene	5.095	78	275585	5.103	ug/L	100
34) Trichloroethene	5.908	95	73760	5.156	ug/L	98
35) Methylcyclohexane	6.127	83	119191	5.157	ug/L	99
37) 1,2-Dichloropropane	6.169	63	65299	5.118	ug/L	100
38) Bromodichloromethane	6.503	83	84088	5.236	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	88647	5.009	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	317377	52.292	ug/L	100
42) Toluene	7.384	91	297840	5.180	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	74148	5.244	ug/L	97
45) 1,1,2-Trichloroethane	7.834	97	43384	5.226	ug/L	99
47) Tetrachloroethene	7.969	164	49218	5.052	ug/L	98
48) 2-Hexanone	8.133	43	222578	52.159	ug/L	100
49) Dibromochloromethane	8.243	129	47348	5.140	ug/L	98
50) 1,2-Dibromoethane	8.349	107	38748	5.116	ug/L	99
51) Chlorobenzene	8.876	112	181526	5.047	ug/L	99
52) Ethylbenzene	9.008	91	322441	5.138	ug/L	99
53) m,p-xylene	9.133	106	122400	5.160	ug/L	98
54) o-xylene	9.538	106	117390	5.064	ug/L	98
55) Styrene	9.558	104	199190	5.283	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.239	83	42902	4.887	ug/L	97
59) Bromoform	9.728	173	19144	5.049	ug/L	99
60) Isopropylbenzene	9.927	105	319450	5.156	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	34248	5.046	ug/L	98
62) 1,3,5-Trimethylbenzene	10.535	105	265427	5.139	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	268328	5.234	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	134333	5.141	ug/L	98
65) 1,4-Dichlorobenzene	11.268	146	131141	5.025	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	118176	5.127	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	6054	5.216	ug/L	94
69) 1,3,5-Trichlorobenzene	12.641	180	92919	5.015	ug/L	98
70) 1,2,4-trichlorobenzene	13.258	180	73438	5.031	ug/L	100
71) Naphthalene	13.500	128	123448	4.973	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	60983	4.992	ug/L	99

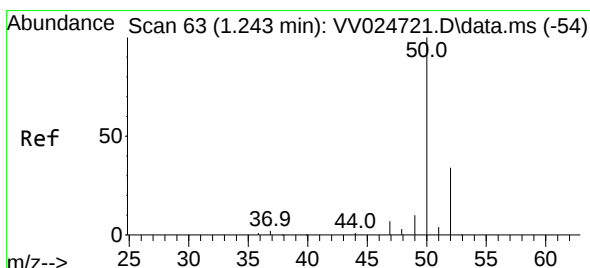
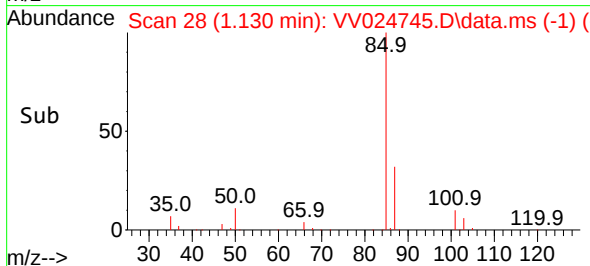
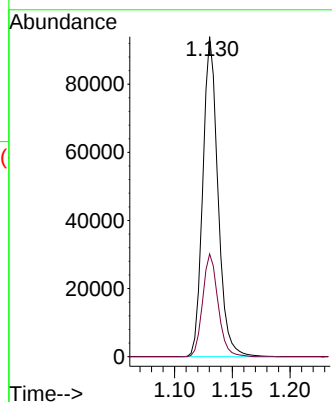
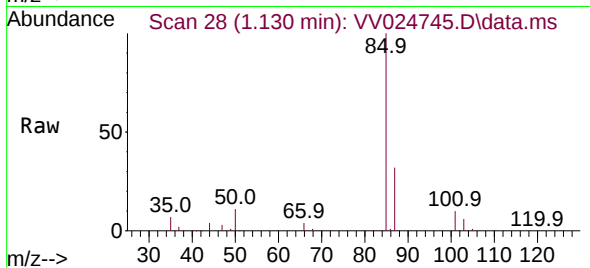
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.118 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV024745.D
 Acq: 18 Feb 2022 09:47

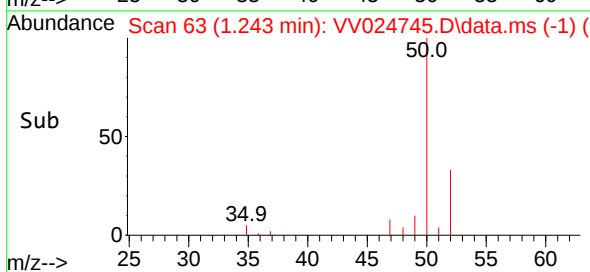
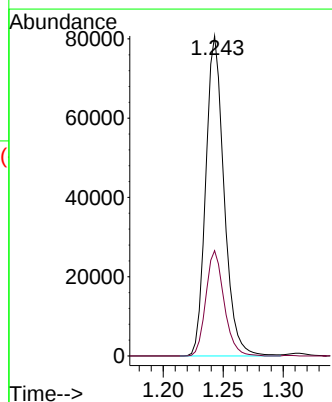
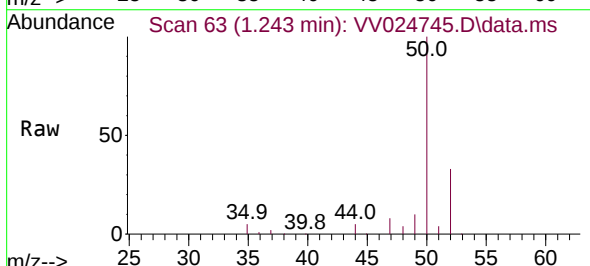
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 ClientSampleId :
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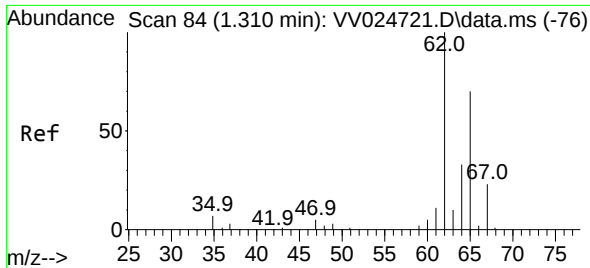
Tgt Ion: 85 Resp: 85747
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 5.129 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024745.D
 Acq: 18 Feb 2022 09:47

Tgt Ion: 50 Resp: 85820
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.3 43.3

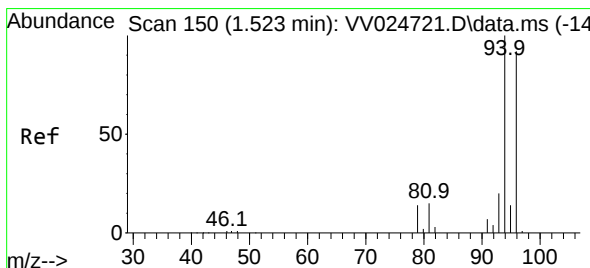
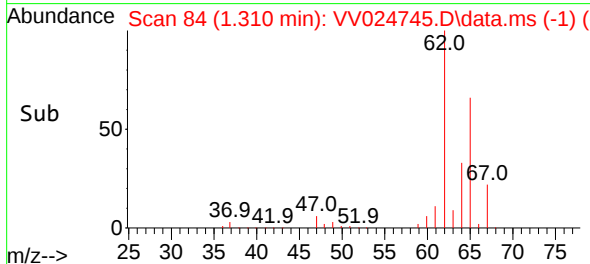
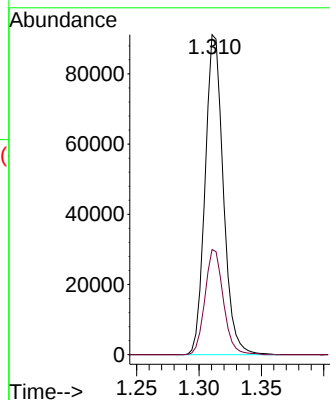
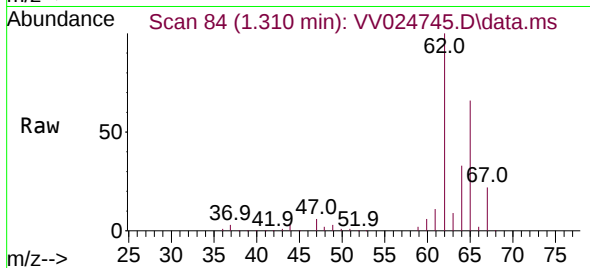




#5
 Vinyl chloride
 Concen: 5.039 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024745.D
 Acq: 18 Feb 2022 09:47

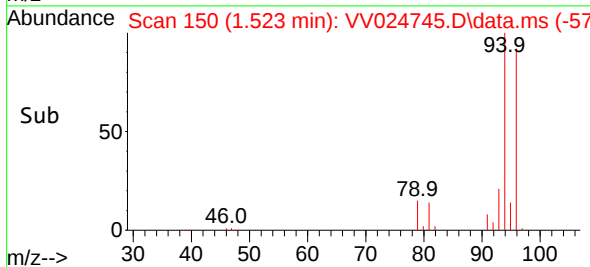
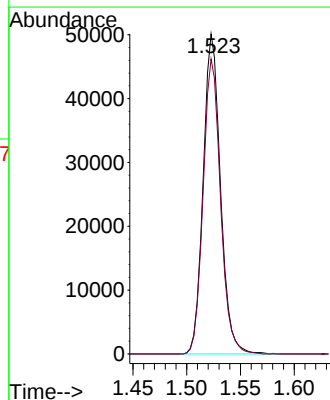
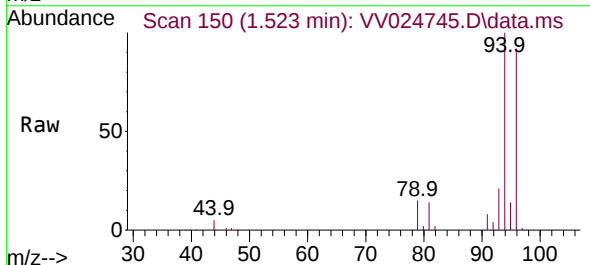
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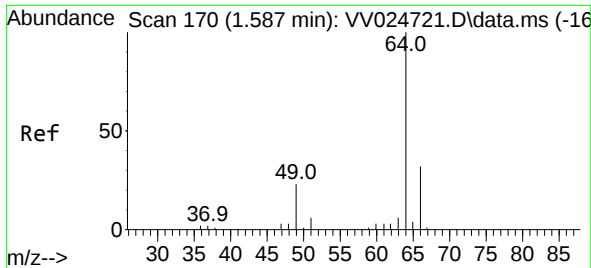
Tgt Ion: 62 Resp: 92557
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.2 41.2



#6
 Bromomethane
 Concen: 5.122 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024745.D
 Acq: 18 Feb 2022 09:47

Tgt Ion: 94 Resp: 56201
 Ion Ratio Lower Upper
 94 100
 96 92.2 66.5 123.5

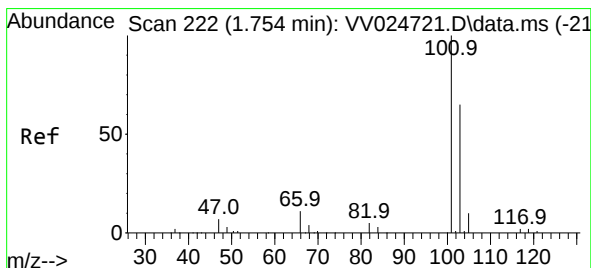
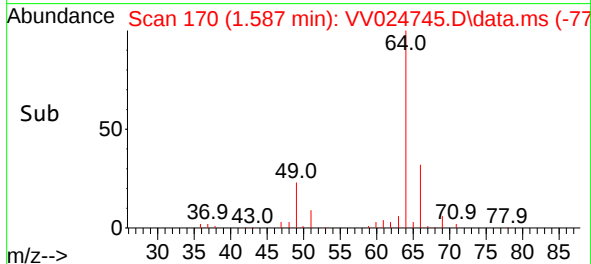
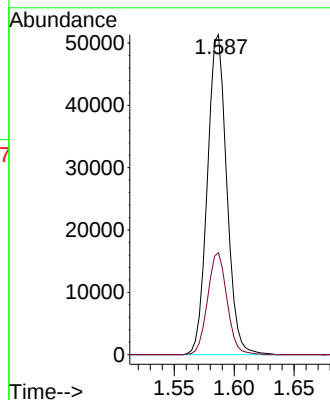
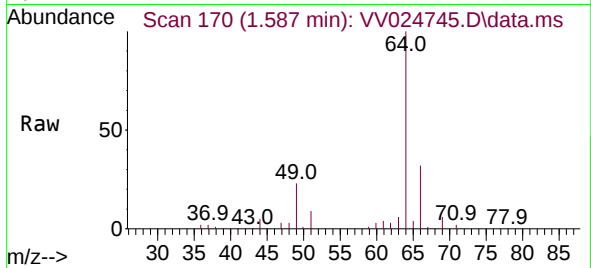




#8
Chloroethane
Concen: 5.109 ug/L
RT: 1.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

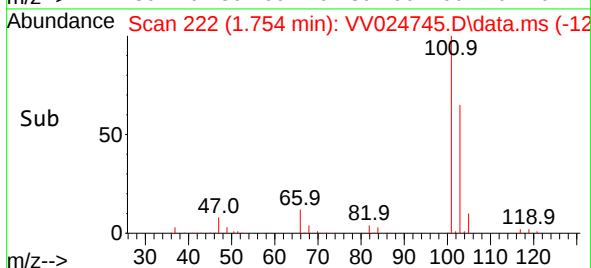
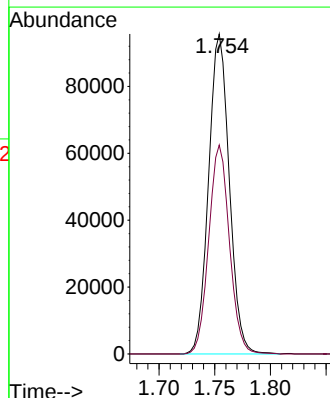
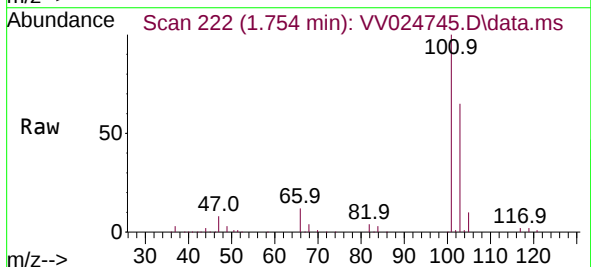
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ClientSampleId :
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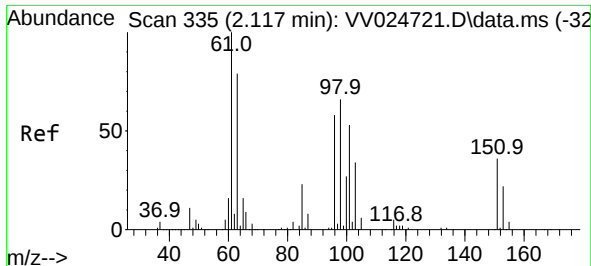
Tgt Ion: 64 Resp: 57812
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.130 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion:101 Resp: 123710
Ion Ratio Lower Upper
101 100
103 65.2 50.7 76.1

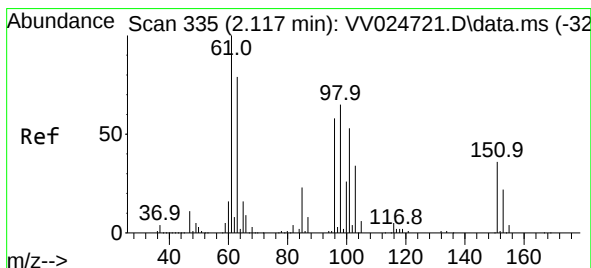
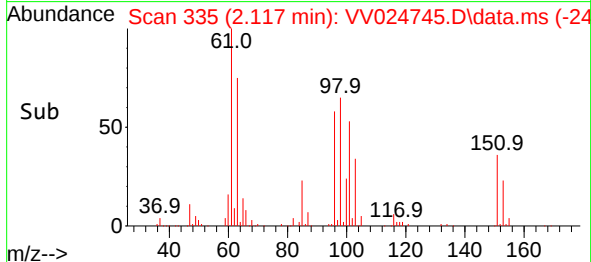
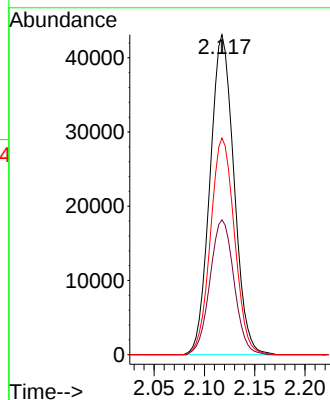
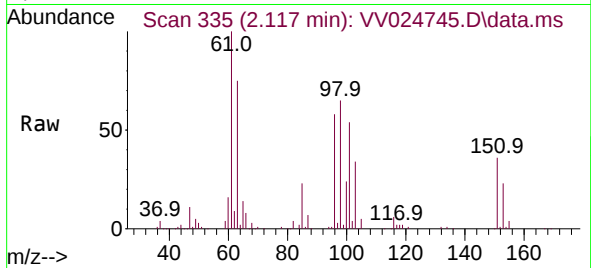




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.104 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV024745.D
 Acq: 18 Feb 2022 09:47

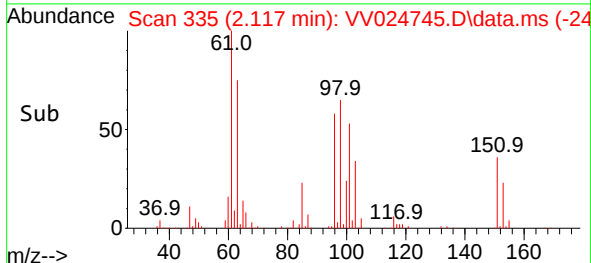
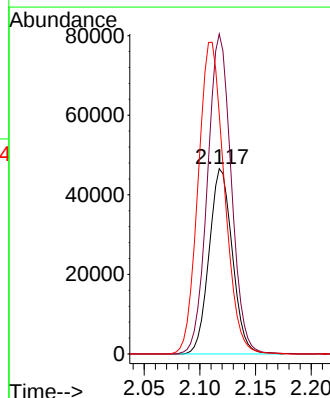
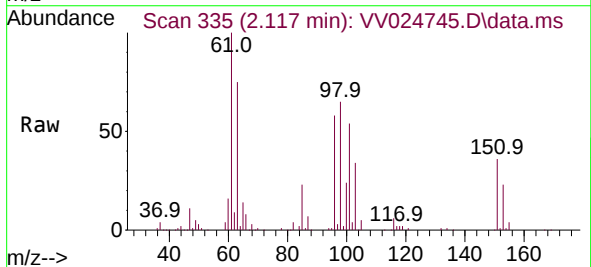
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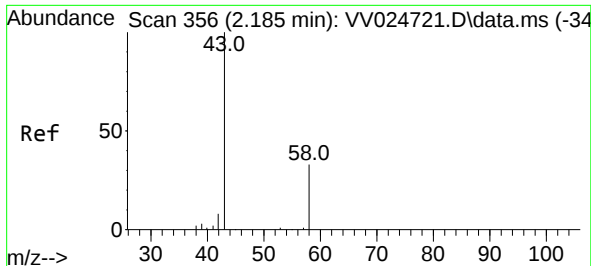
Tgt Ion:101 Resp: 71473
 Ion Ratio Lower Upper
 101 100
 85 42.2 34.7 52.1
 151 67.9 53.5 80.3



#12
 1,1-Dichloroethene
 Concen: 5.049 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV024745.D
 Acq: 18 Feb 2022 09:47

Tgt Ion: 96 Resp: 67556
 Ion Ratio Lower Upper
 96 100
 61 172.7 116.3 216.1
 63 129.5 86.0 159.6





#13

Acetone

Concen: 51.714 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

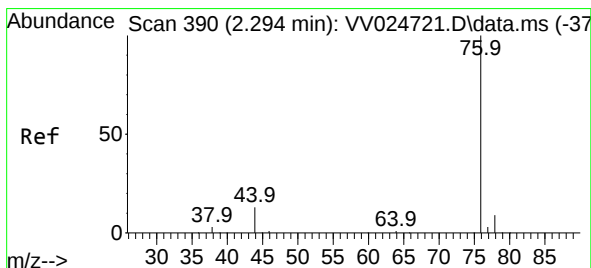
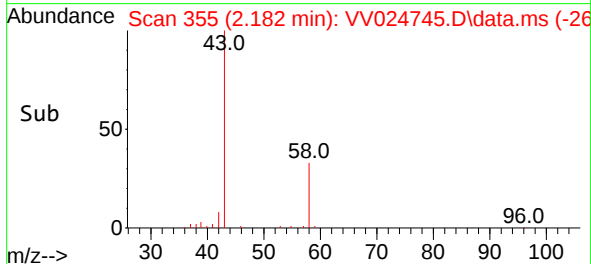
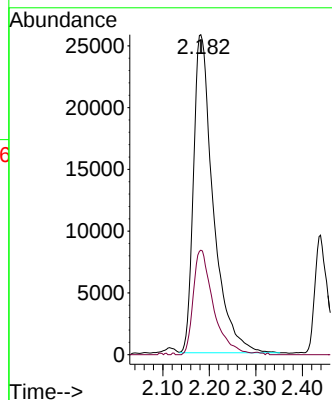
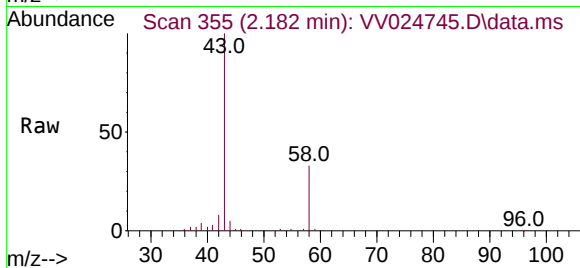
VSTD005317

Tgt Ion: 43 Resp: 75906

Ion Ratio Lower Upper

43 100

58 33.4 0.0 63.6



#14

Carbon disulfide

Concen: 5.085 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.000 min

Lab File: VV024745.D

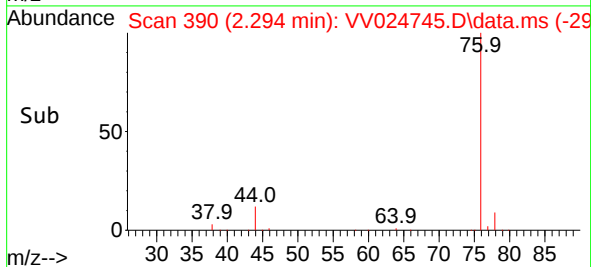
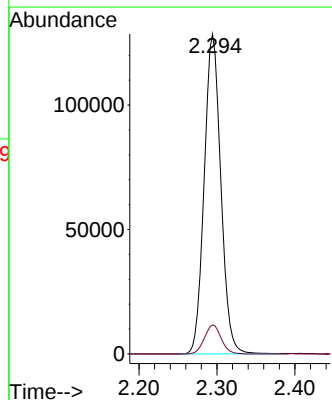
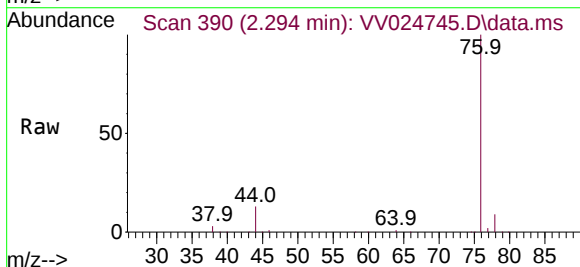
Acq: 18 Feb 2022 09:47

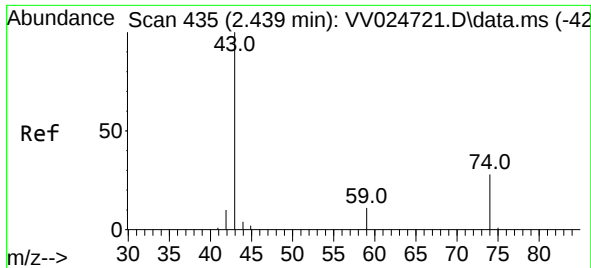
Tgt Ion: 76 Resp: 190930

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

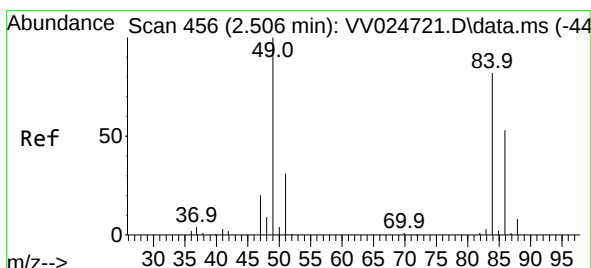
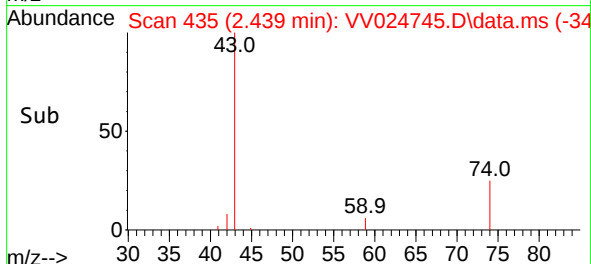
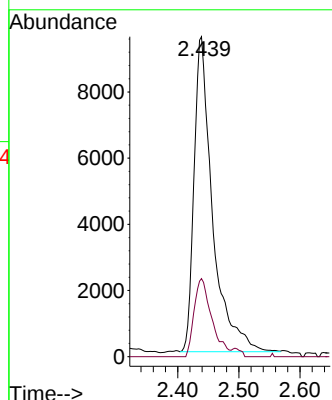
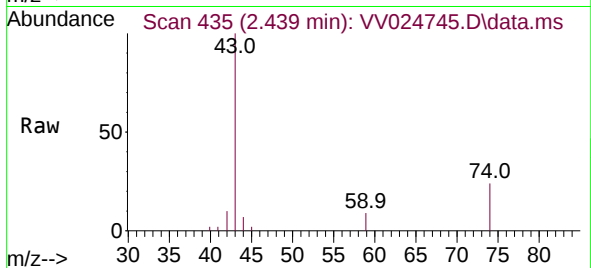




#15
Methyl Acetate
Concen: 5.210 ug/L
RT: 2.439 min Scan# 411
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

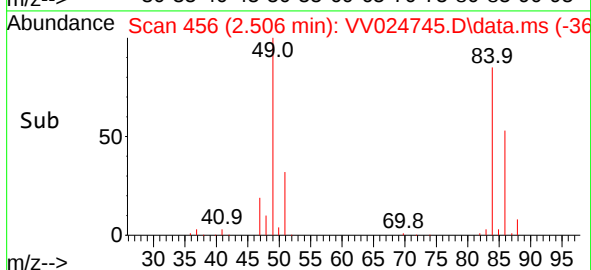
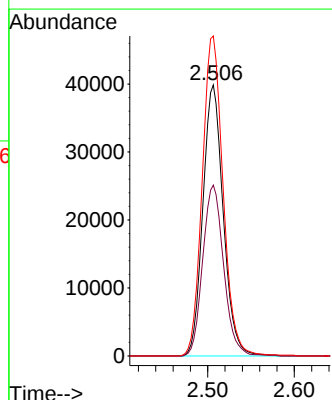
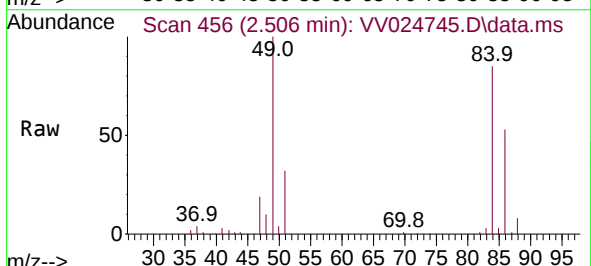
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

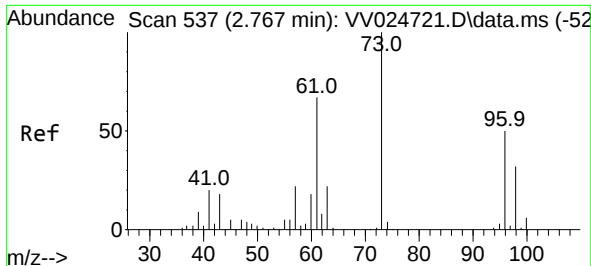
Tgt Ion: 43 Resp: 20020
Ion Ratio Lower Upper
43 100
74 23.6 20.8 31.2



#16
Methylene chloride
Concen: 4.944 ug/L
RT: 2.506 min Scan# 456
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 84 Resp: 65123
Ion Ratio Lower Upper
84 100
86 63.0 45.1 83.7
49 118.0 83.5 155.1

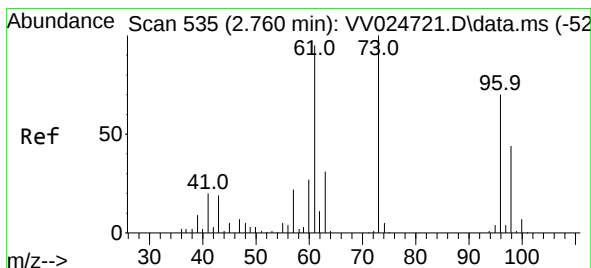
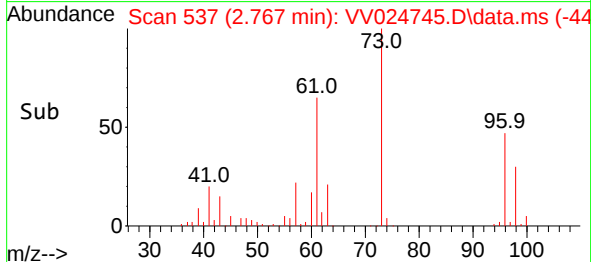
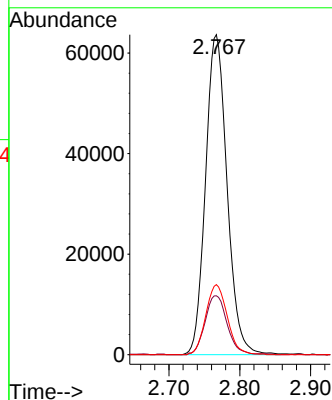
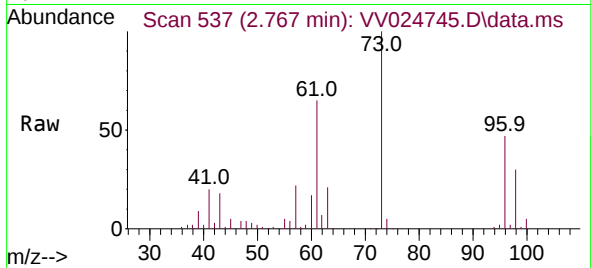




#17
Methyl tert-butyl Ether
Concen: 5.113 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

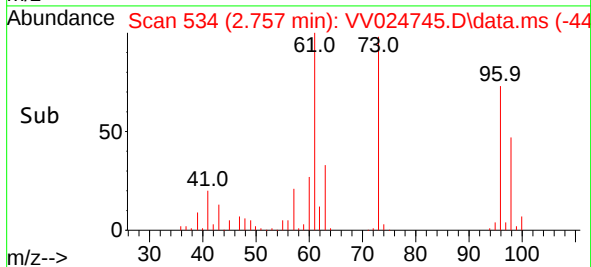
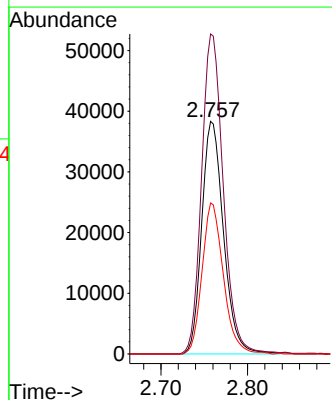
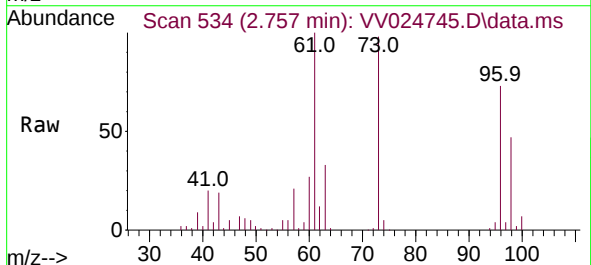
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

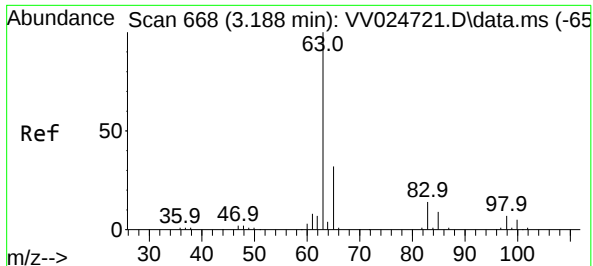
Tgt Ion: 73 Resp: 134471
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 21.9 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.126 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 96 Resp: 66982
Ion Ratio Lower Upper
96 100
61 137.6 92.9 172.5
98 64.9 44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.185 ug/L

RT: 3.188 min Scan# 668

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005317

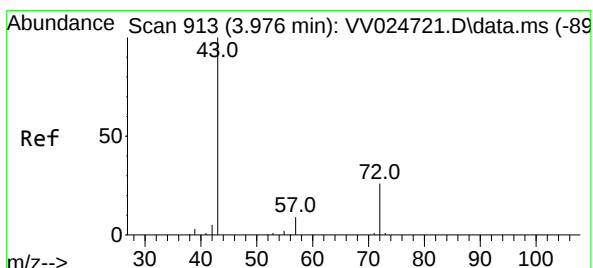
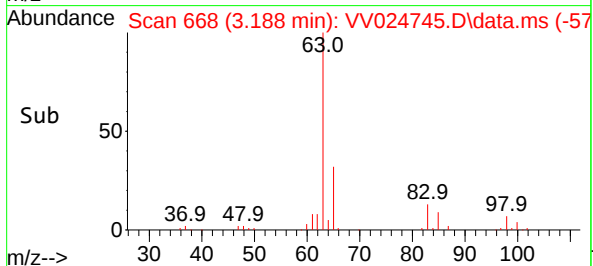
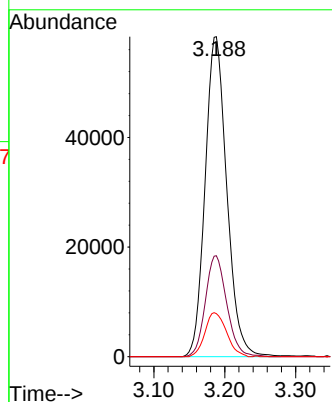
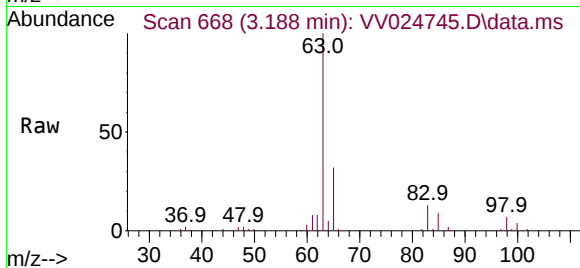
Tgt Ion: 63 Resp: 124073

Ion Ratio Lower Upper

63 100

65 31.6 22.0 40.8

83 13.4 9.5 17.7



#21

2-Butanone

Concen: 55.226 ug/L

RT: 3.969 min Scan# 911

Delta R.T. -0.006 min

Lab File: VV024745.D

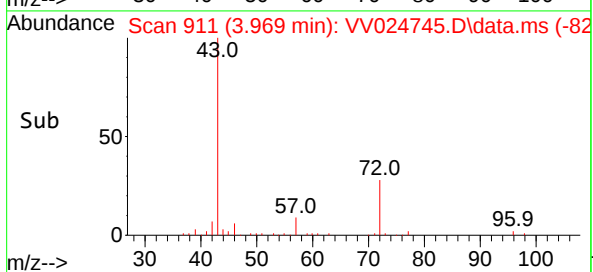
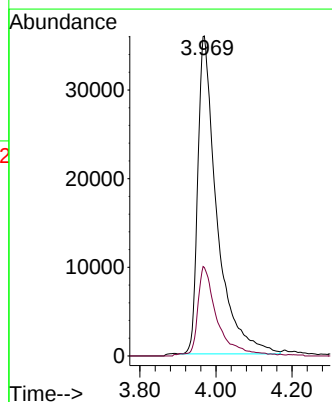
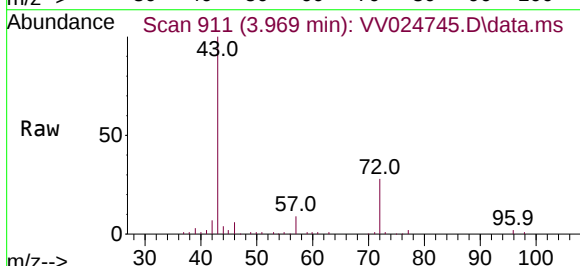
Acq: 18 Feb 2022 09:47

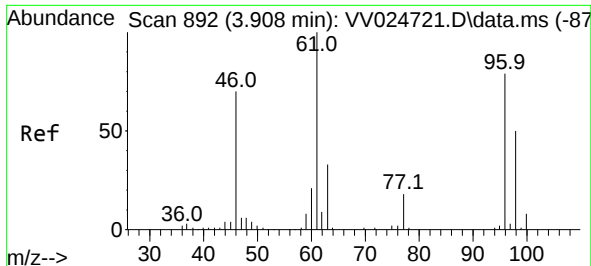
Tgt Ion: 43 Resp: 125265

Ion Ratio Lower Upper

43 100

72 26.9 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 5.091 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005317

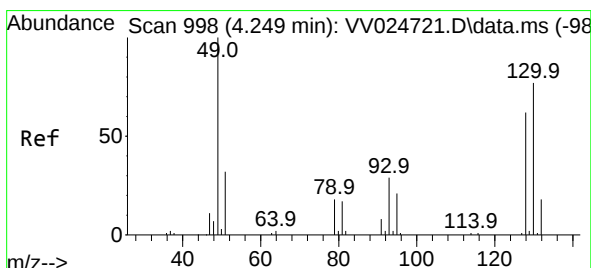
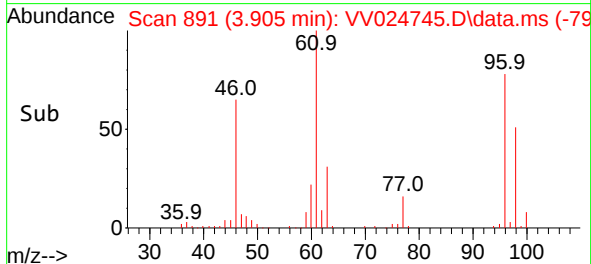
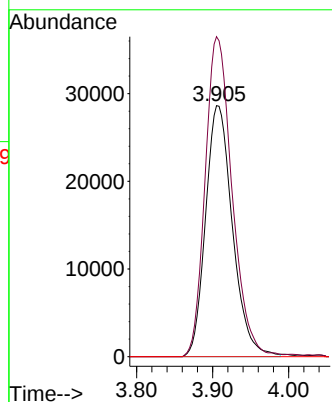
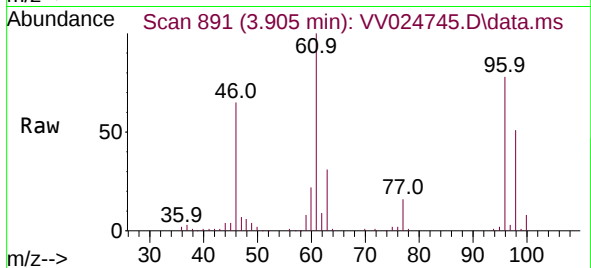
Tgt Ion: 96 Resp: 70321

Ion Ratio Lower Upper

96 100

61 127.4 89.7 166.5

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.139 ug/L

RT: 4.246 min Scan# 997

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Tgt Ion: 128 Resp: 27434

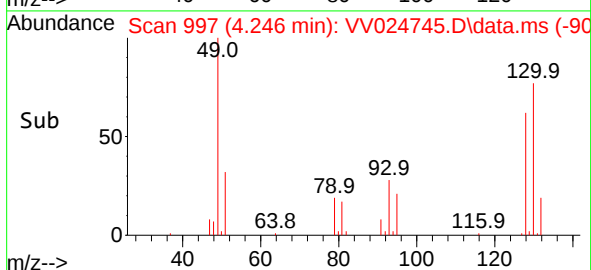
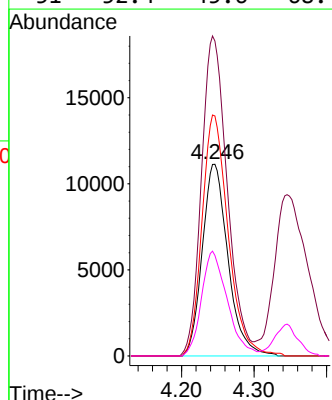
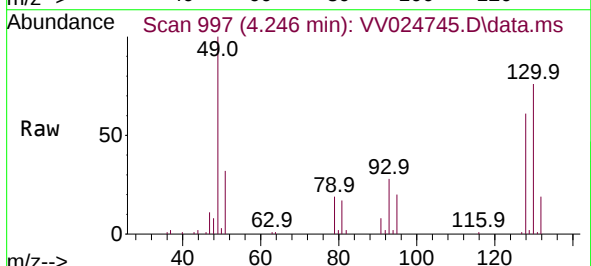
Ion Ratio Lower Upper

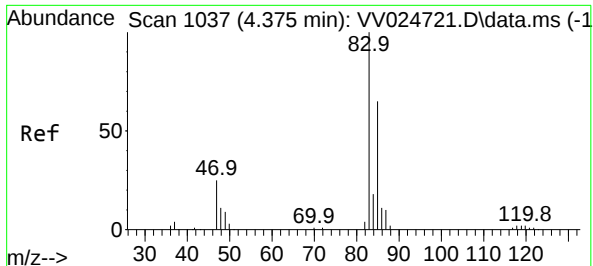
128 100

49 164.3 124.2 230.6

130 125.2 92.1 171.1

51 52.4 45.6 68.4





#25

Chloroform

Concen: 5.105 ug/L

RT: 4.371 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

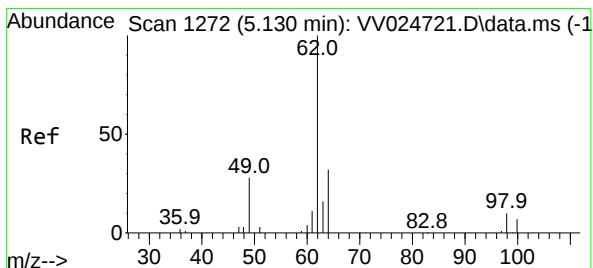
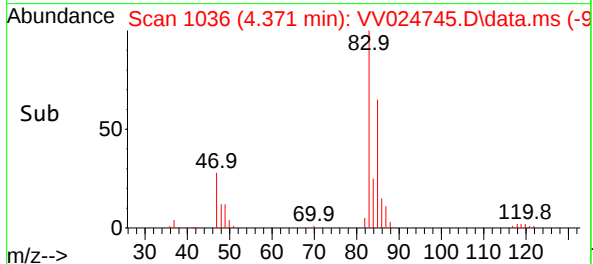
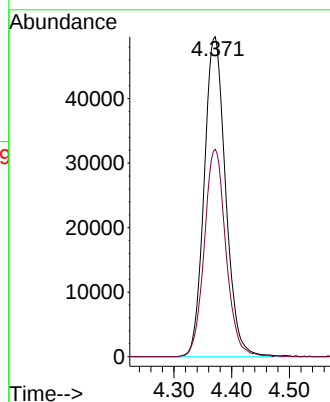
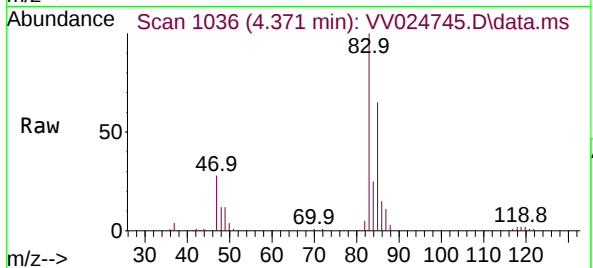
VSTD005317

Tgt Ion: 83 Resp: 127597

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5



#27

1,2-Dichloroethane

Concen: 5.074 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV024745.D

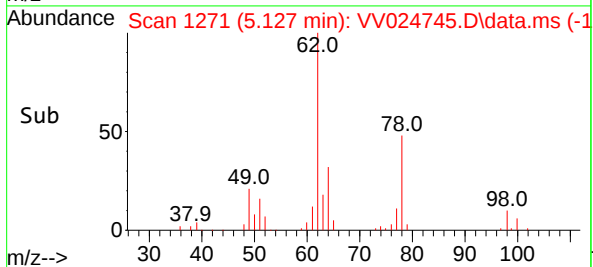
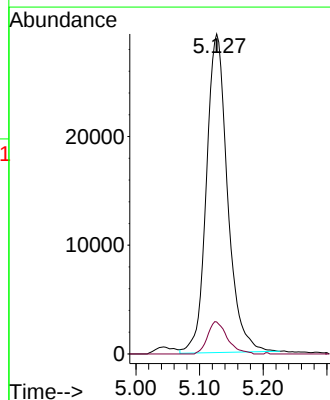
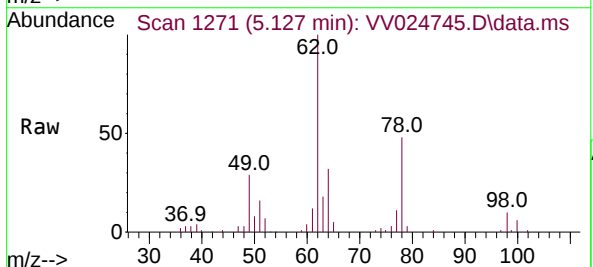
Acq: 18 Feb 2022 09:47

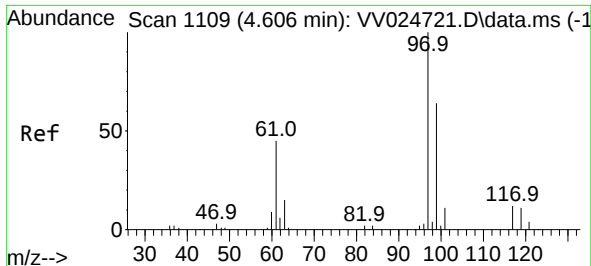
Tgt Ion: 62 Resp: 67688

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.138 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005317

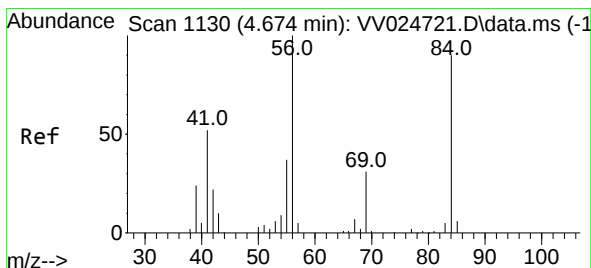
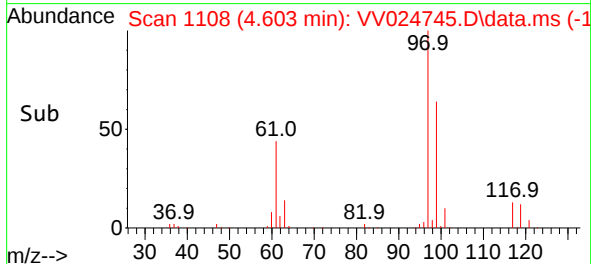
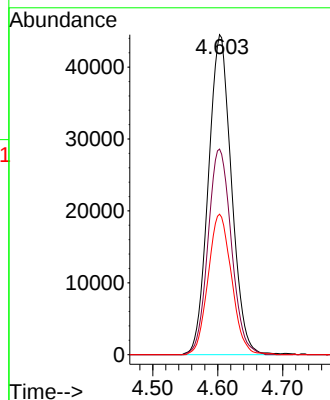
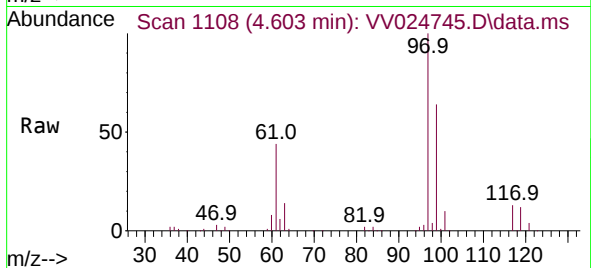
Tgt Ion: 97 Resp: 109982

Ion Ratio Lower Upper

97 100

99 65.0 50.5 75.7

61 44.5 35.8 53.6



#30

Cyclohexane

Concen: 5.058 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

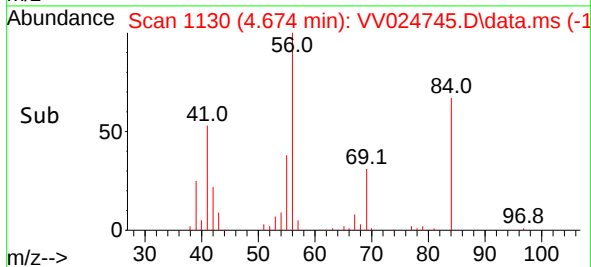
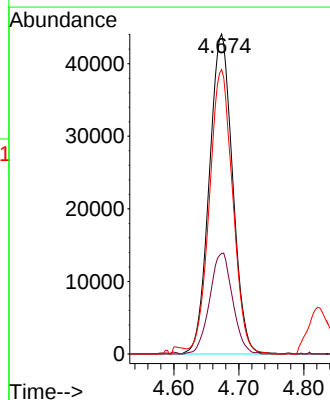
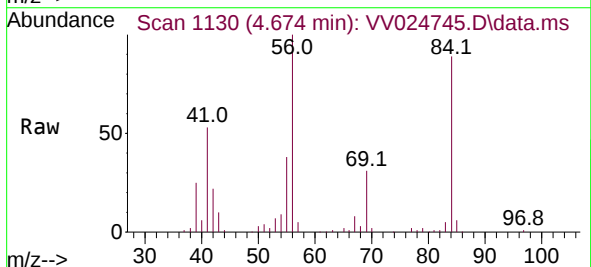
Tgt Ion: 56 Resp: 109828

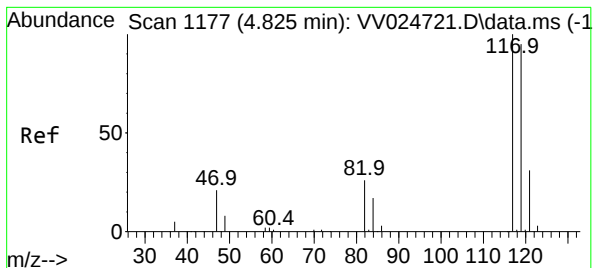
Ion Ratio Lower Upper

56 100

69 31.0 24.6 37.0

84 88.9 71.4 107.0





#31

Carbon tetrachloride

Concen: 5.184 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

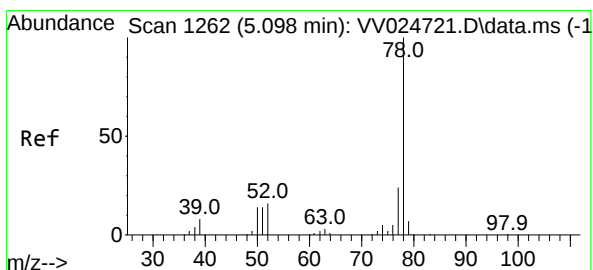
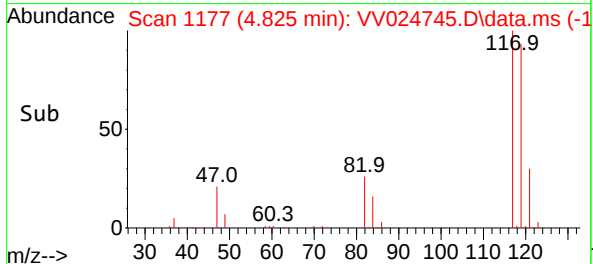
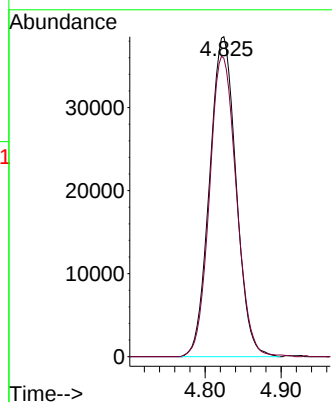
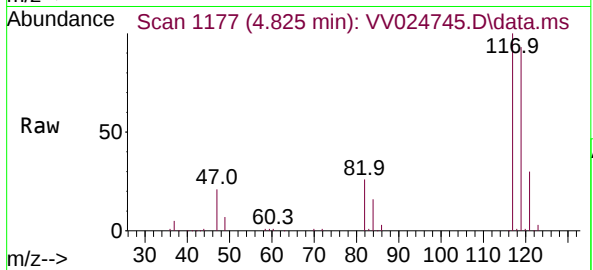
VSTD005317

Tgt Ion:117 Resp: 93296

Ion Ratio Lower Upper

117 100

119 95.3 76.6 115.0



#33

Benzene

Concen: 5.103 ug/L

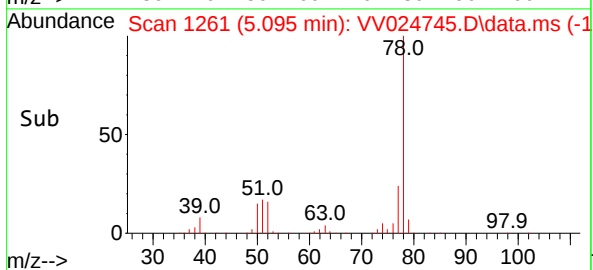
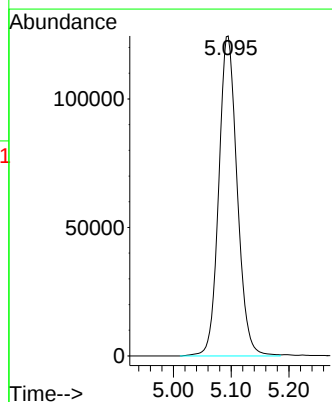
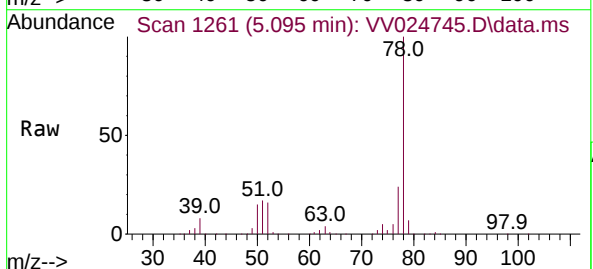
RT: 5.095 min Scan# 1261

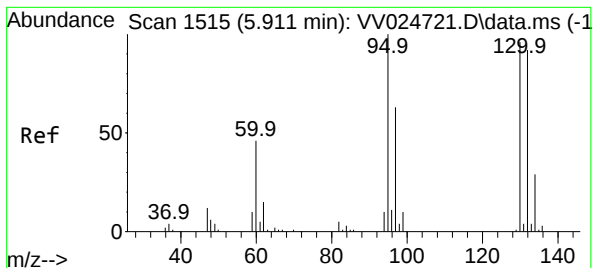
Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Tgt Ion: 78 Resp: 275585





#34

Trichloroethene

Concen: 5.156 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005317

Tgt Ion: 95 Resp: 73760

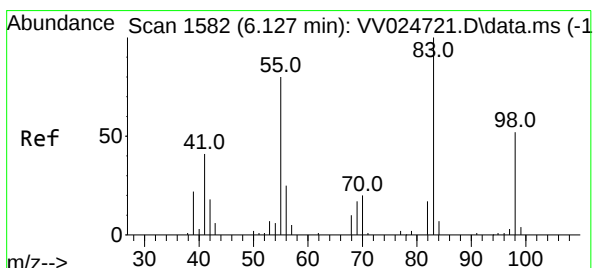
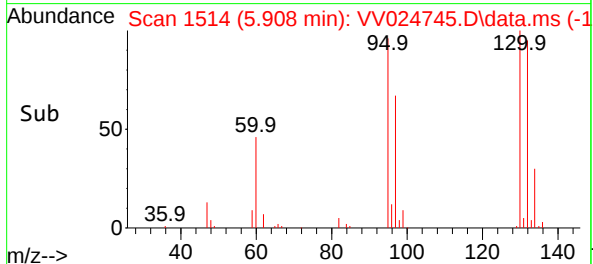
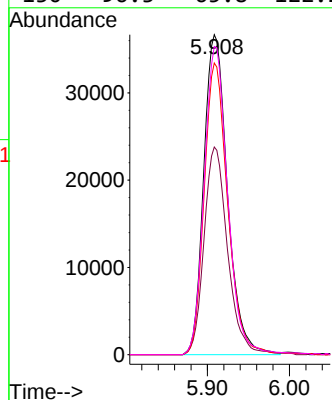
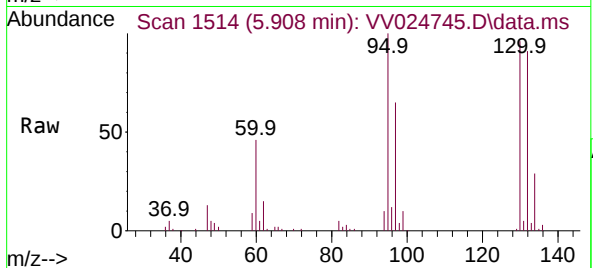
Ion Ratio Lower Upper

95 100

97 64.9 44.2 82.0

132 91.2 62.1 115.3

130 96.3 65.8 122.2



#35

Methylcyclohexane

Concen: 5.157 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

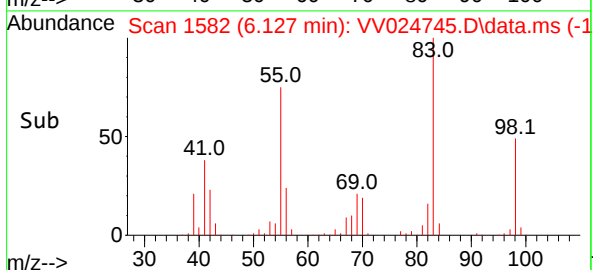
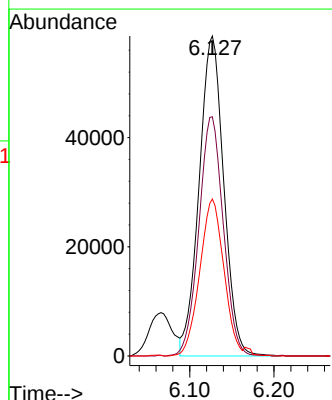
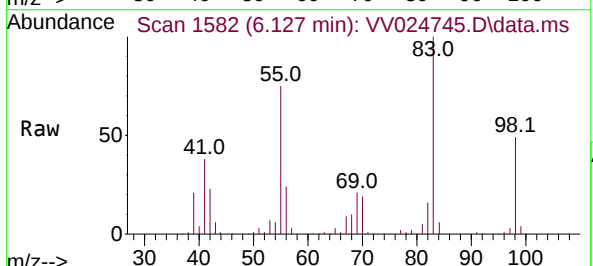
Tgt Ion: 83 Resp: 119191

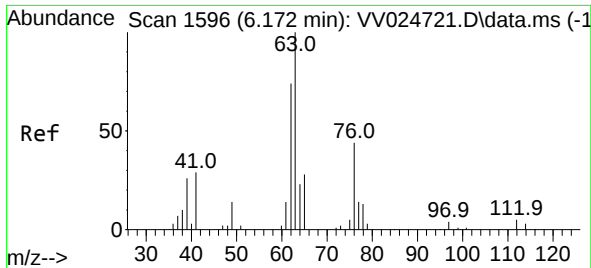
Ion Ratio Lower Upper

83 100

55 74.3 58.8 88.2

98 47.9 38.6 58.0

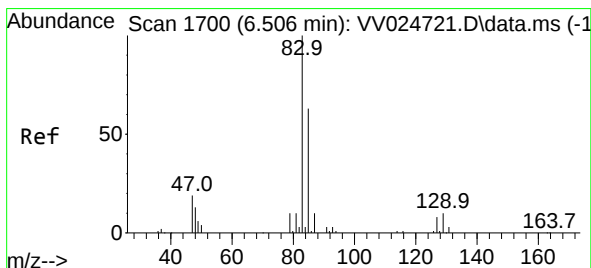
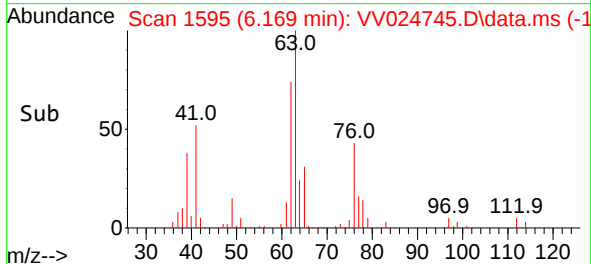
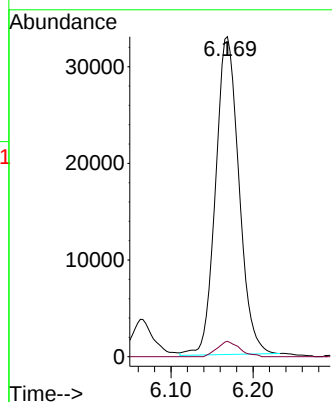
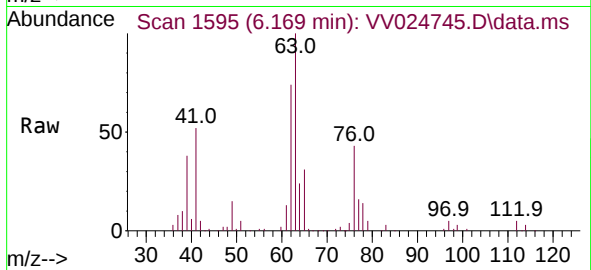




#37
1,2-Dichloropropane
Concen: 5.118 ug/L
RT: 6.169 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

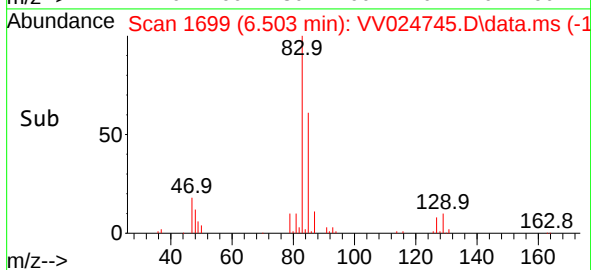
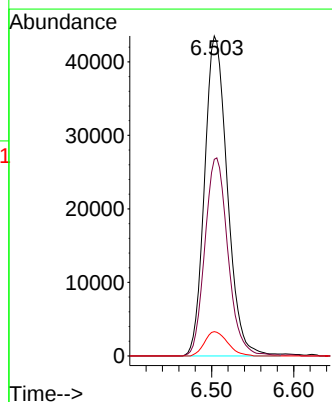
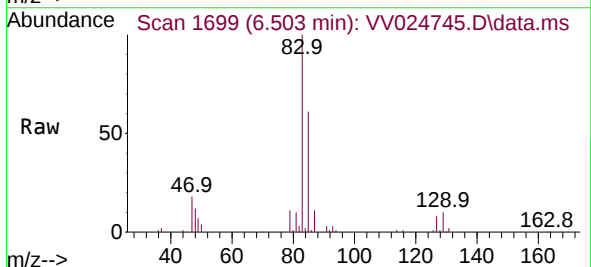
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

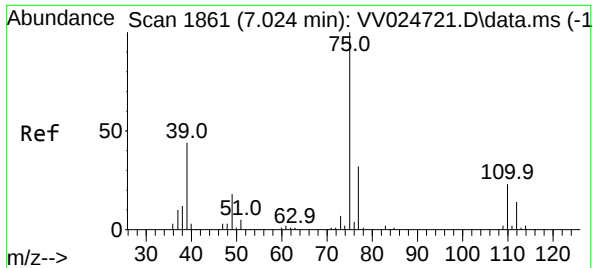
Tgt Ion: 63 Resp: 65299
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.6



#38
Bromodichloromethane
Concen: 5.236 ug/L
RT: 6.503 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 83 Resp: 84088
Ion Ratio Lower Upper
83 100
85 61.5 43.5 80.9
127 7.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.009 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

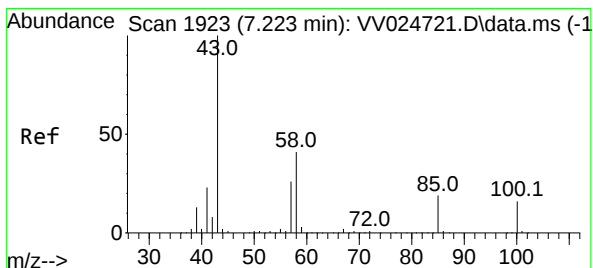
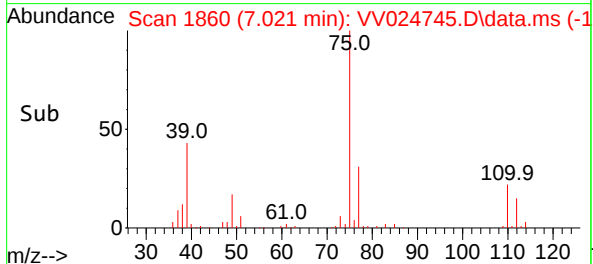
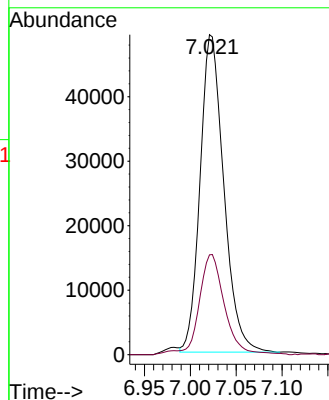
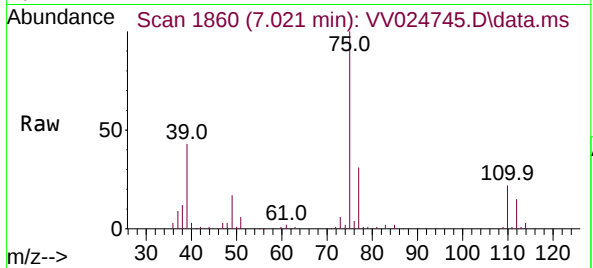
VSTD005317

Tgt Ion: 75 Resp: 88647

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 52.292 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

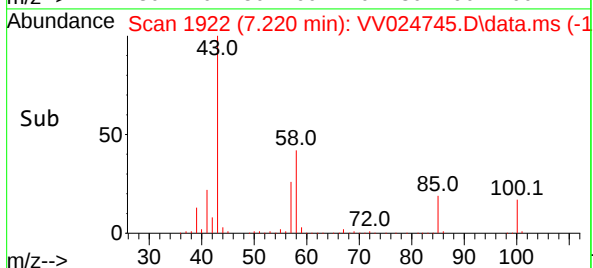
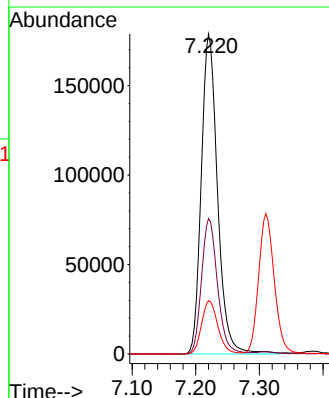
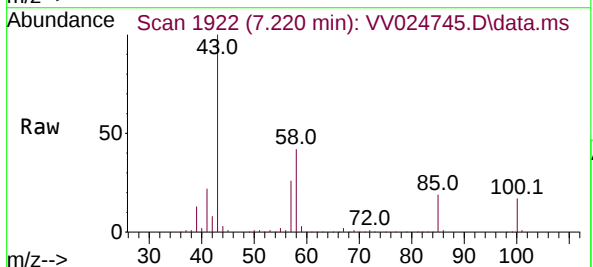
Tgt Ion: 43 Resp: 317377

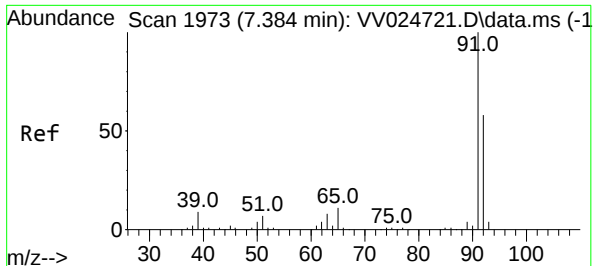
Ion Ratio Lower Upper

43 100

58 41.6 33.0 49.6

100 16.6 13.3 19.9





#42

Toluene

Concen: 5.180 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

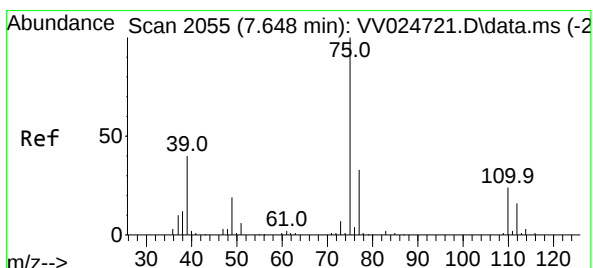
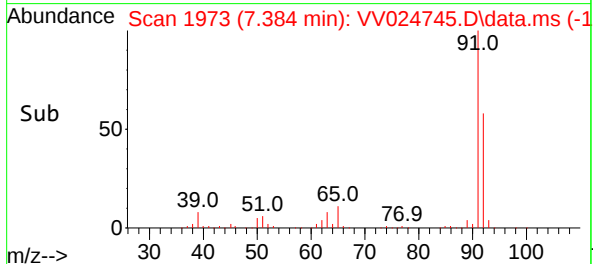
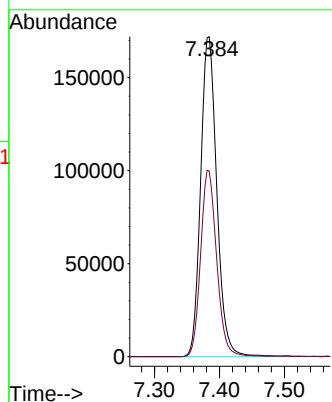
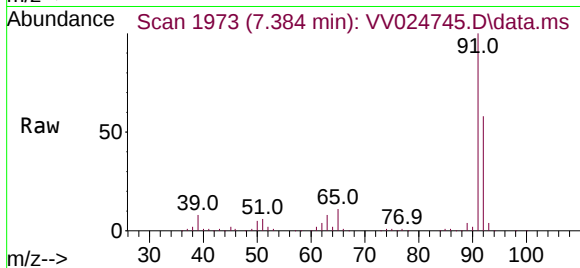
VSTD005317

Tgt Ion: 91 Resp: 297840

Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 5.244 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV024745.D

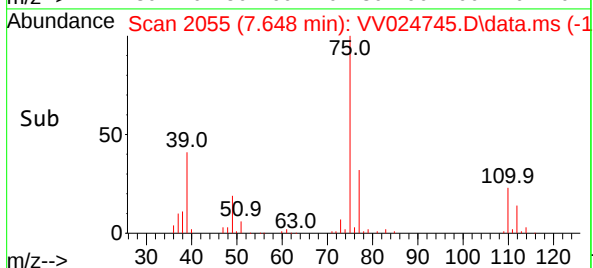
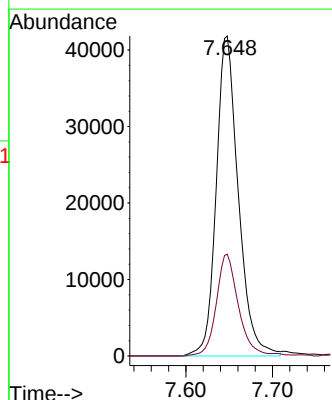
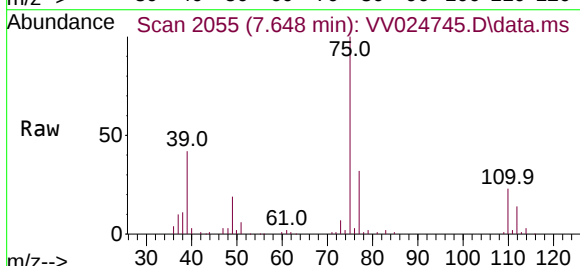
Acq: 18 Feb 2022 09:47

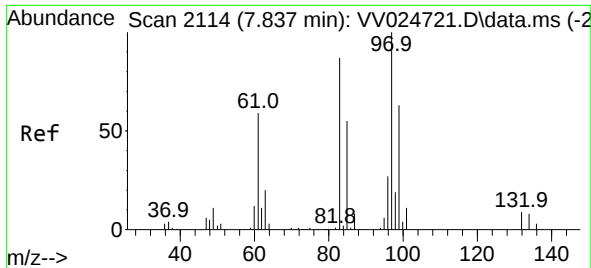
Tgt Ion: 75 Resp: 74148

Ion Ratio Lower Upper

75 100

77 31.8 23.5 43.7



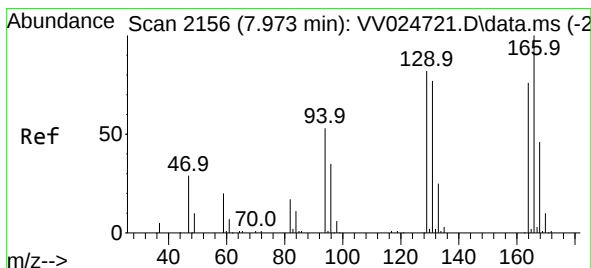
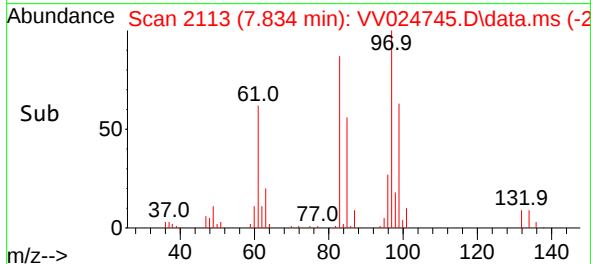
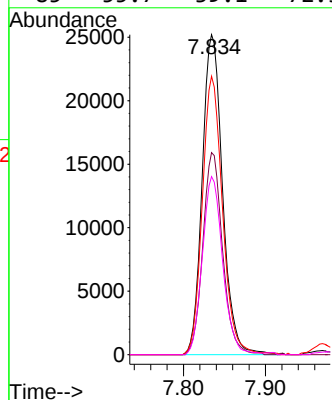
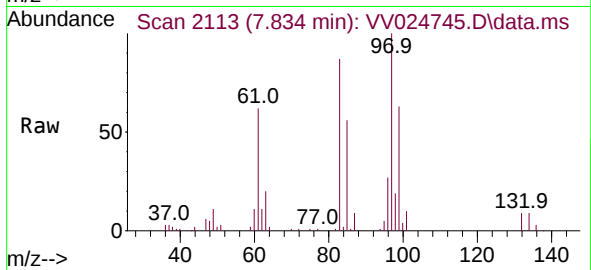


#45
1,1,2-Trichloroethane
Concen: 5.226 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

Tgt Ion: 97 Resp: 43384

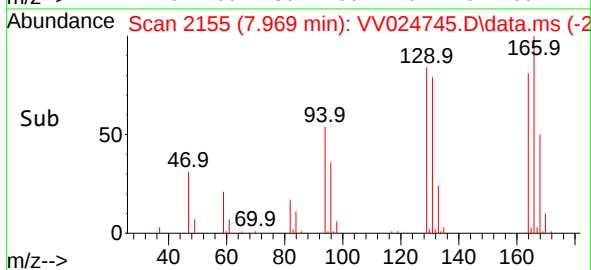
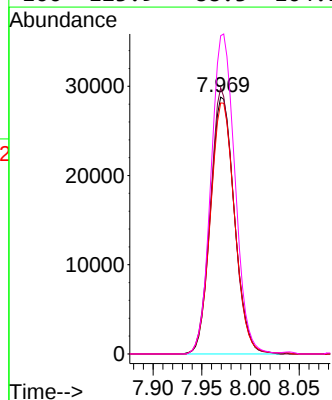
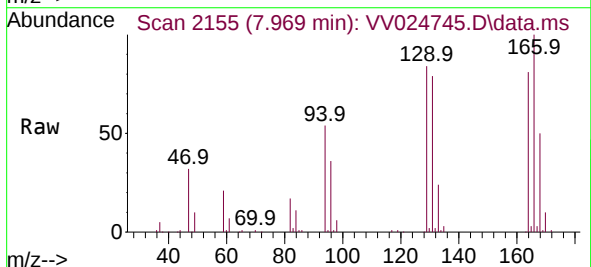
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.8	81.3
83	87.0	61.3	113.9
85	55.7	39.1	72.5

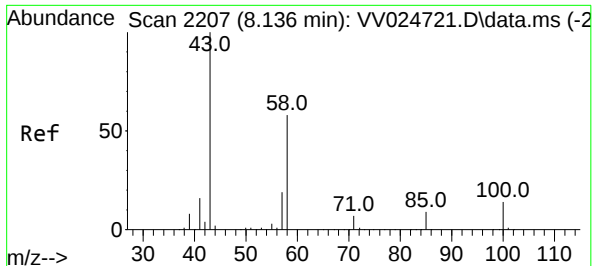


#47
Tetrachloroethene
Concen: 5.052 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 164 Resp: 49218

Ion	Ratio	Lower	Upper
164	100		
129	103.7	70.3	130.7
131	97.7	67.7	125.7
166	123.9	88.3	164.1



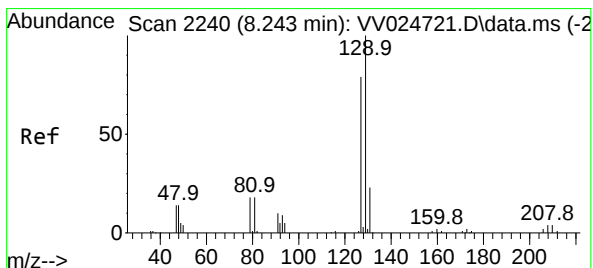
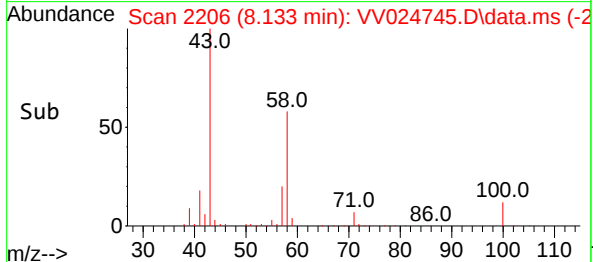
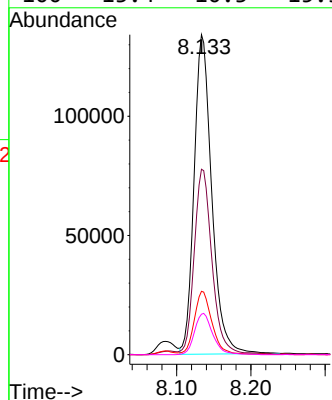
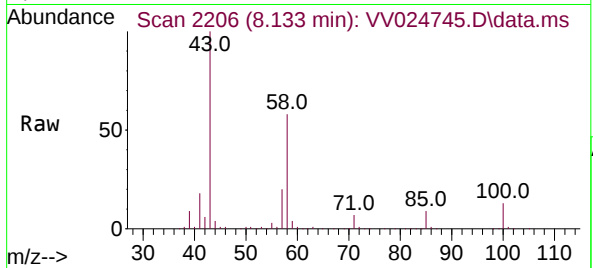


#48
2-Hexanone
Concen: 52.159 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

Tgt Ion: 43 Resp: 222578

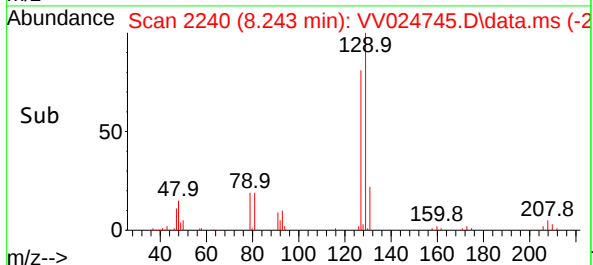
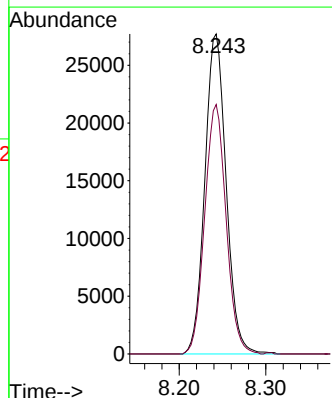
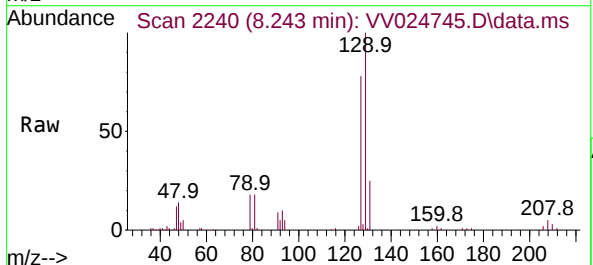
Ion	Ratio	Lower	Upper
43	100		
58	57.7	46.0	69.0
57	19.6	15.7	23.5
100	13.4	10.3	15.5

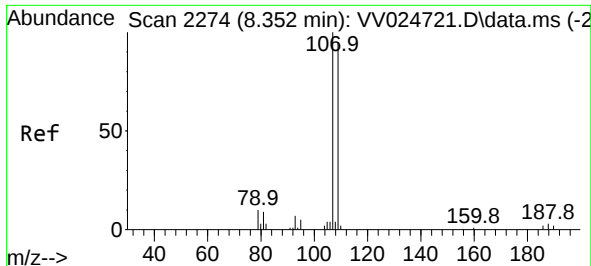


#49
Dibromochloromethane
Concen: 5.140 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 129 Resp: 47348

Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.6	99.6





#50

1,2-Dibromoethane

Concen: 5.116 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005317

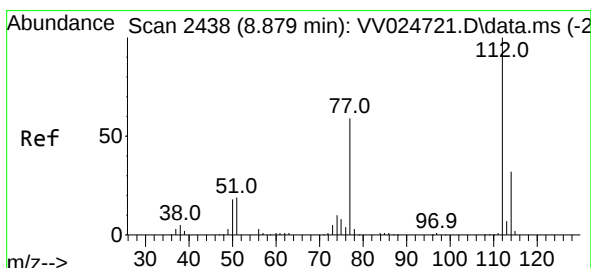
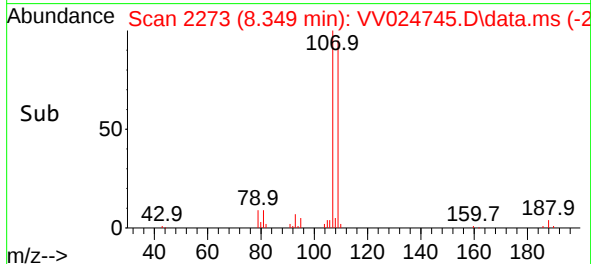
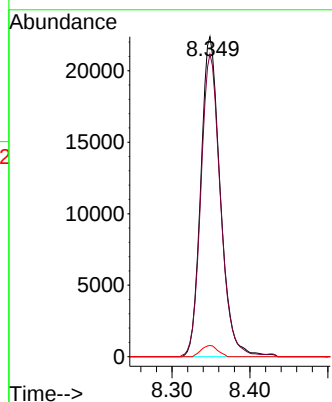
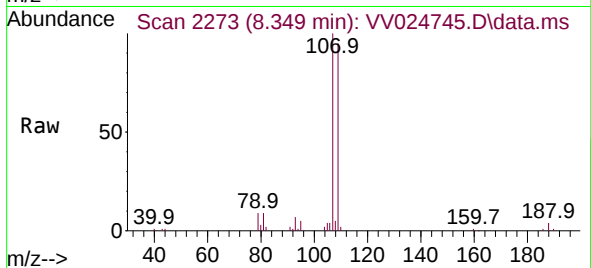
Tgt Ion:107 Resp: 38748

Ion Ratio Lower Upper

107 100

109 94.6 65.6 121.8

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 5.047 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

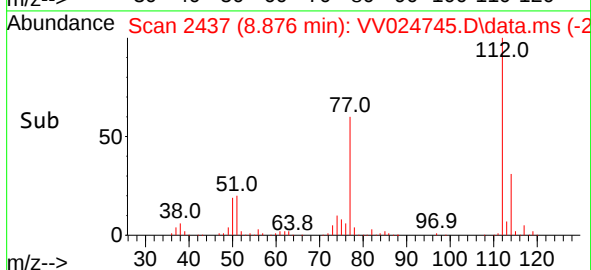
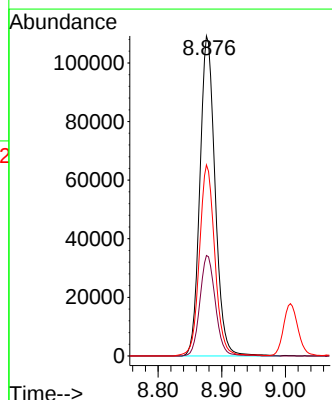
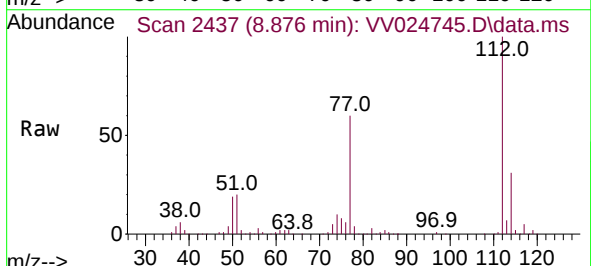
Tgt Ion:112 Resp: 181526

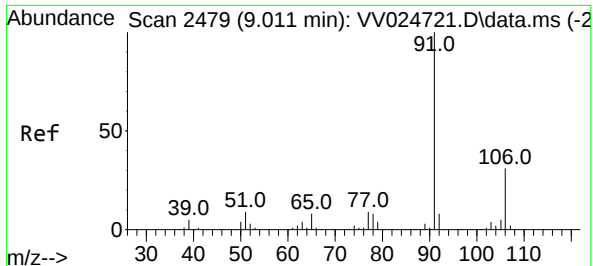
Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

77 59.7 48.4 72.6

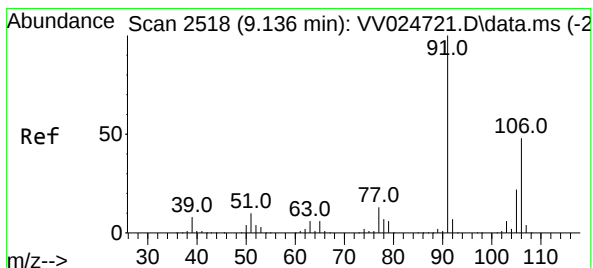
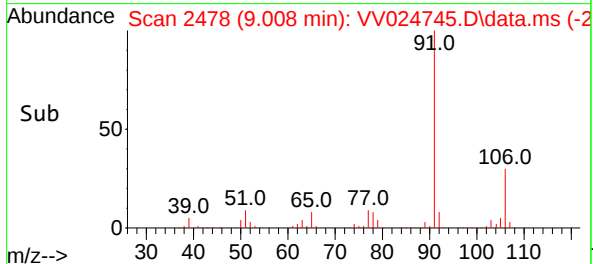
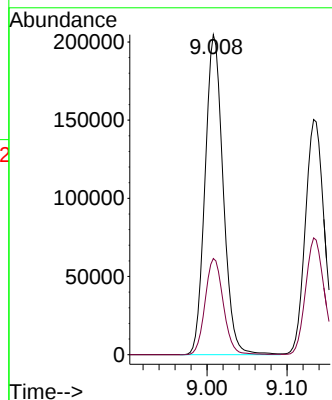
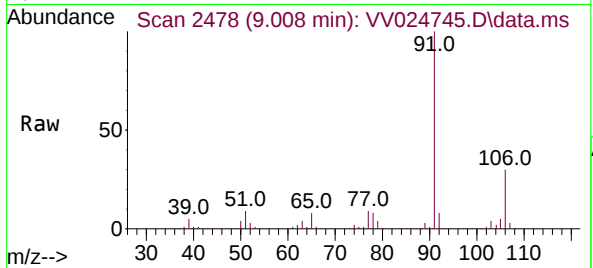




#52
Ethylbenzene
Concen: 5.138 ug/L
RT: 9.008 min Scan# 2479
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

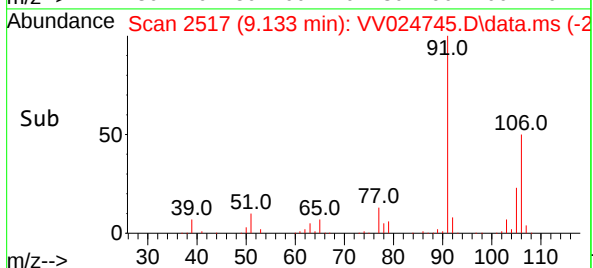
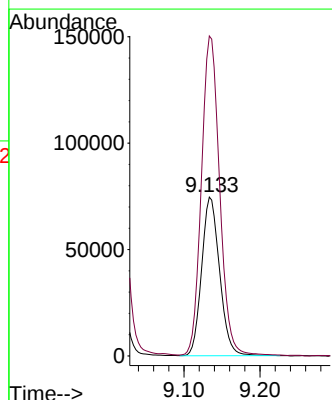
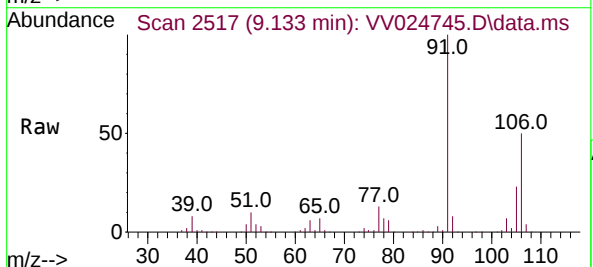
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

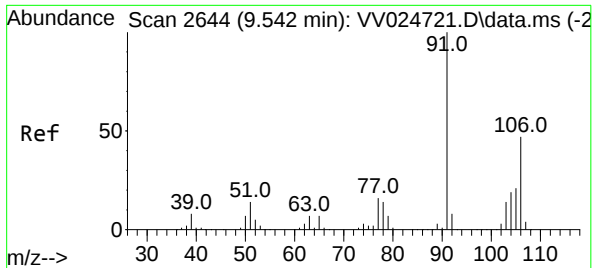
Tgt Ion: 91 Resp: 322441
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.5



#53
m,p-xylene
Concen: 5.160 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 106 Resp: 122400
Ion Ratio Lower Upper
106 100
91 201.4 143.6 266.6

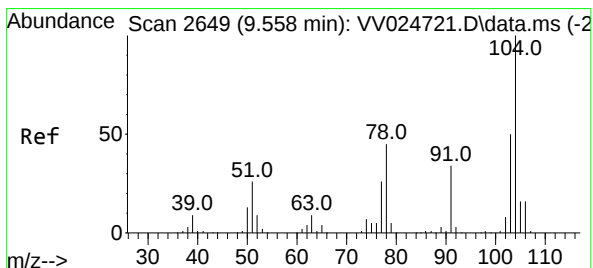
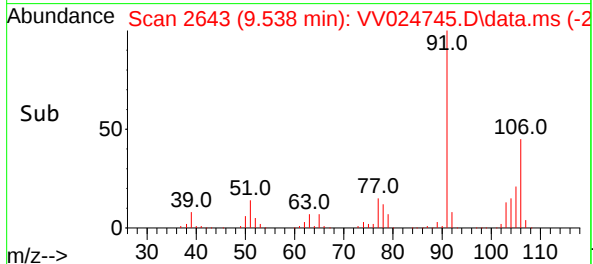
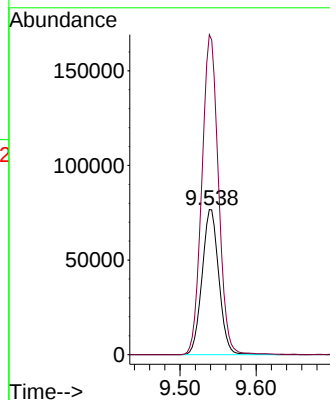
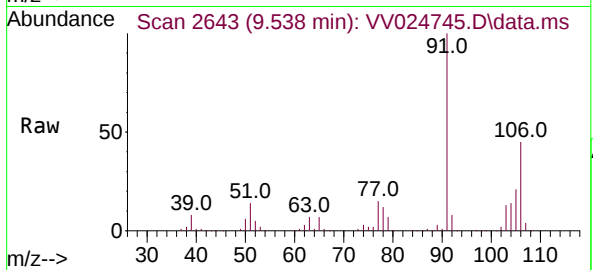




#54
o-xylene
Concen: 5.064 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

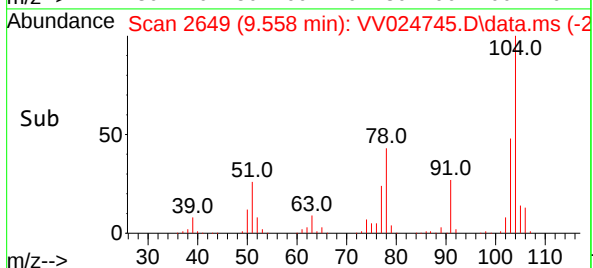
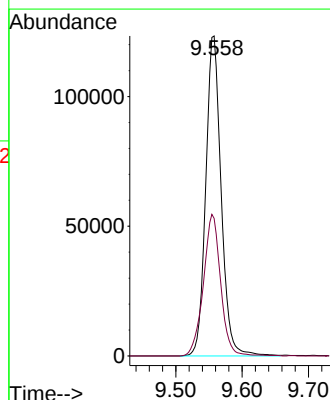
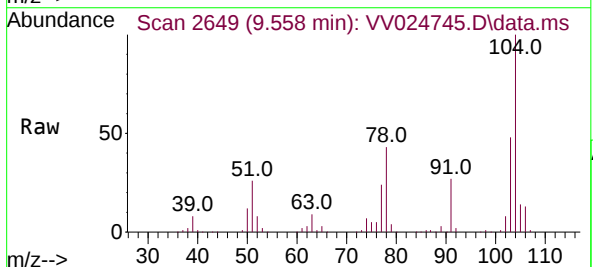
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

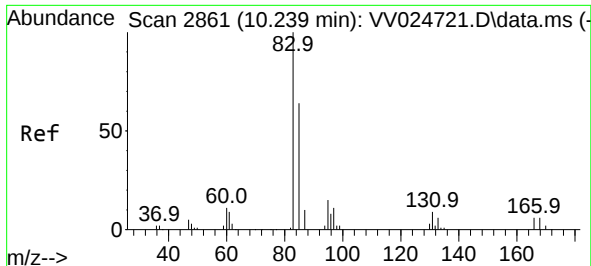
Tgt Ion:106 Resp: 117390
Ion Ratio Lower Upper
106 100
91 220.5 152.2 282.7



#55
Styrene
Concen: 5.283 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion:104 Resp: 199190
Ion Ratio Lower Upper
104 100
78 43.0 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.887 ug/L

RT: 10.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005317

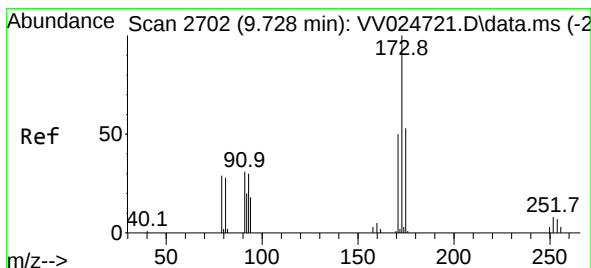
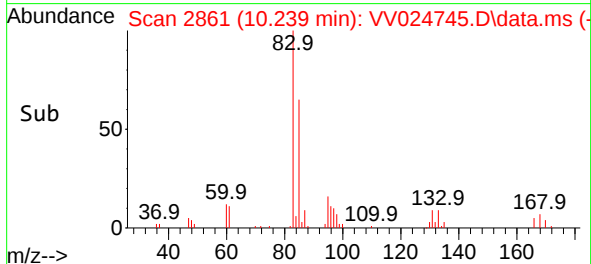
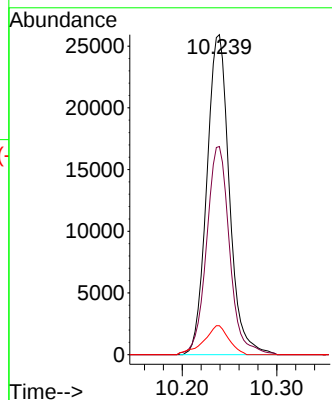
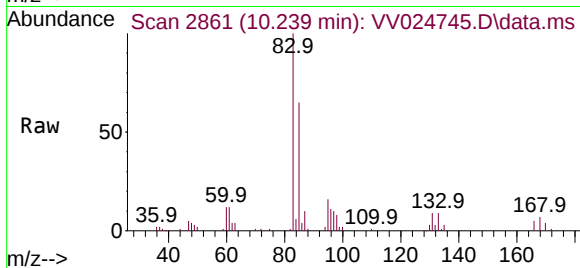
Tgt Ion: 83 Resp: 42902

Ion Ratio Lower Upper

83 100

85 65.1 43.9 81.5

131 9.0 7.0 10.4



#59

Bromoform

Concen: 5.049 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

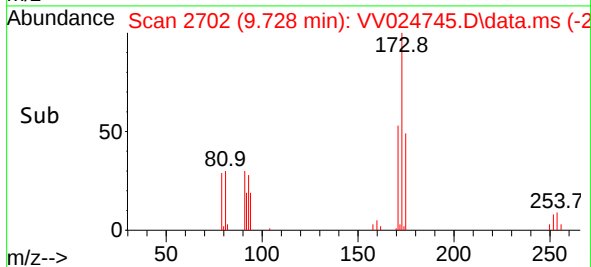
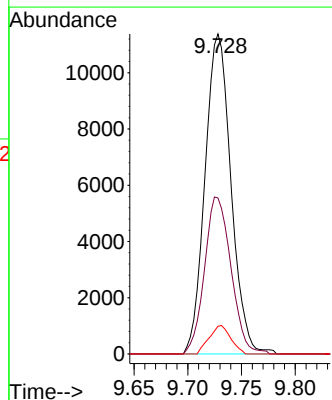
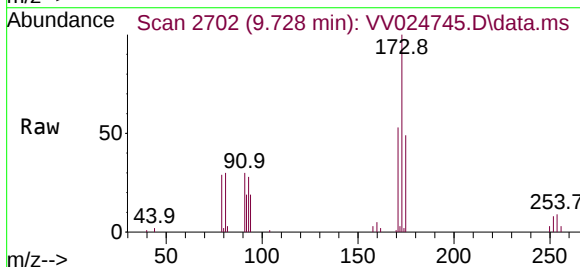
Tgt Ion: 173 Resp: 19144

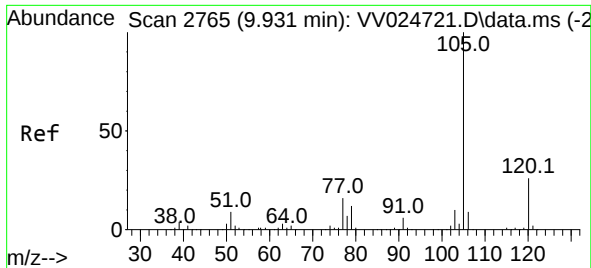
Ion Ratio Lower Upper

173 100

175 49.9 39.4 59.0

254 7.3 7.0 10.4

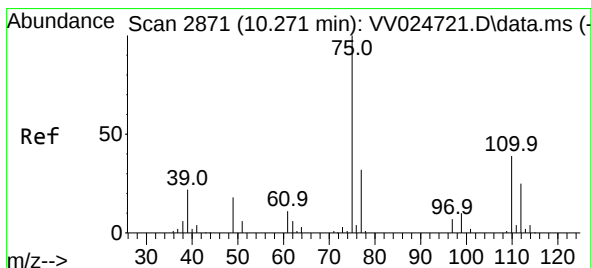
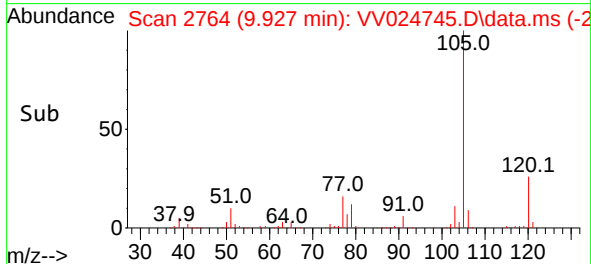
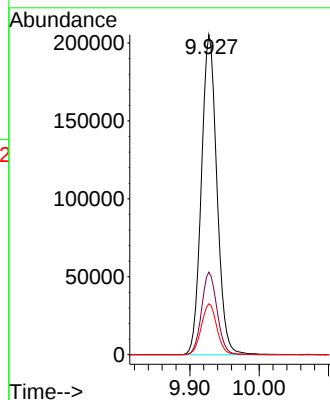
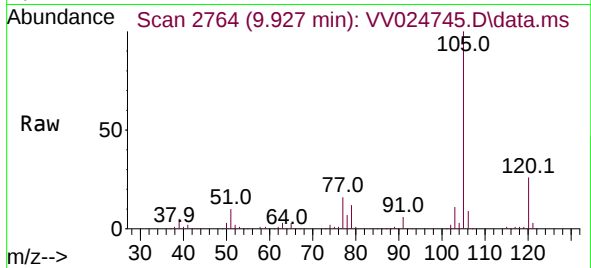




#60
Isopropylbenzene
Concen: 5.156 ug/L
RT: 9.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

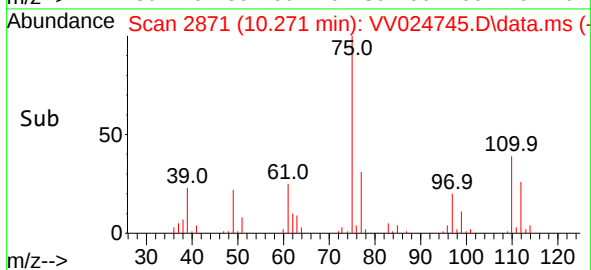
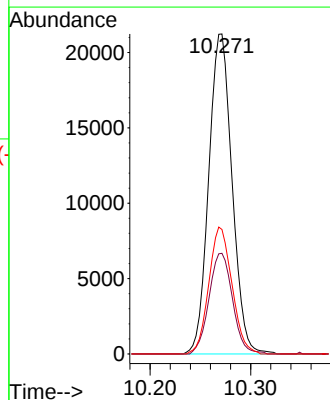
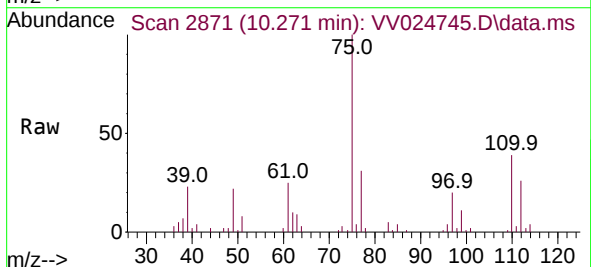
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

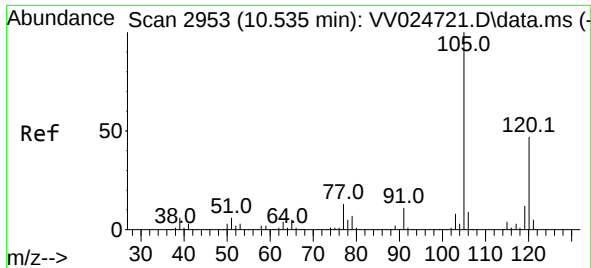
Tgt Ion:105 Resp: 319450
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 15.9 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 5.046 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 75 Resp: 34248
Ion Ratio Lower Upper
75 100
77 31.7 26.3 39.5
110 39.4 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 5.139 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

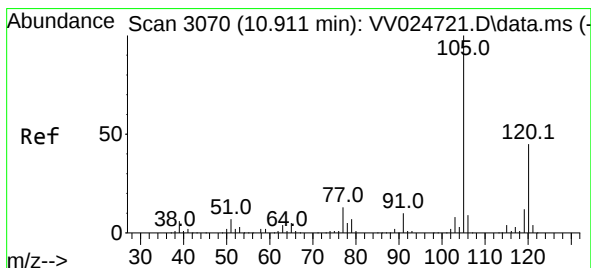
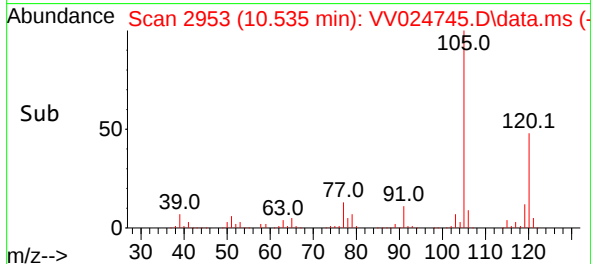
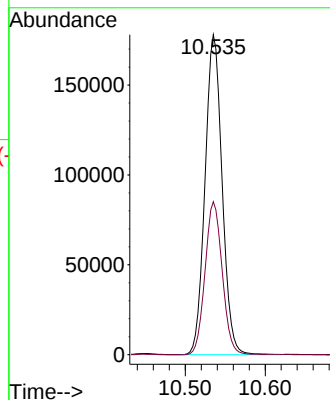
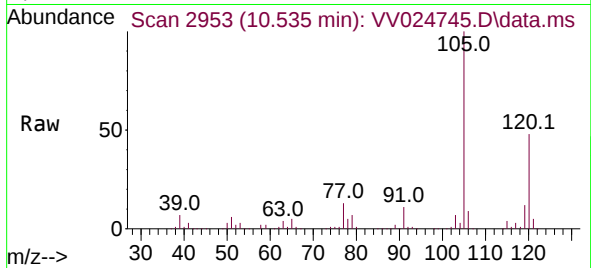
VSTD005317

Tgt Ion:105 Resp: 265427

Ion Ratio Lower Upper

105 100

120 47.9 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.234 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV024745.D

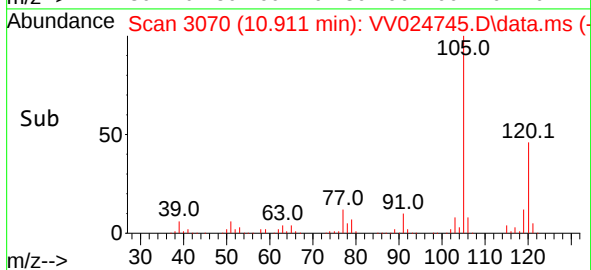
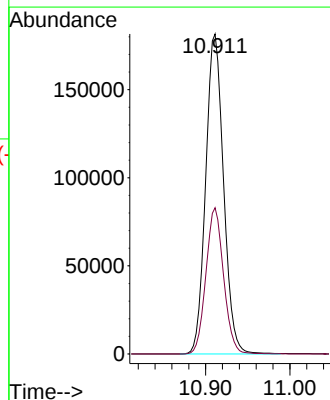
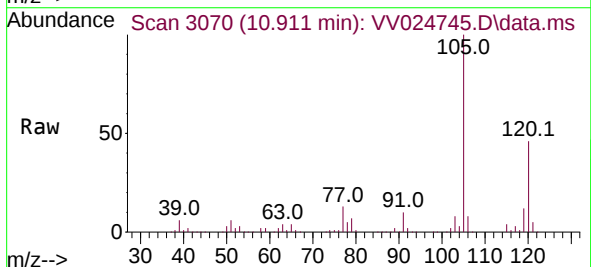
Acq: 18 Feb 2022 09:47

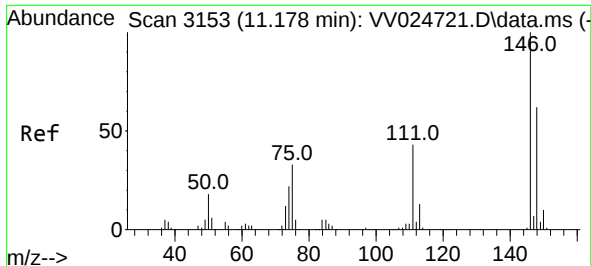
Tgt Ion:105 Resp: 268328

Ion Ratio Lower Upper

105 100

120 45.2 35.9 53.9

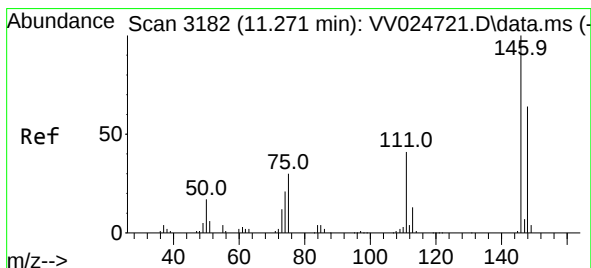
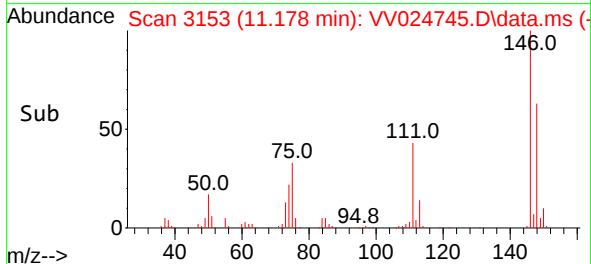
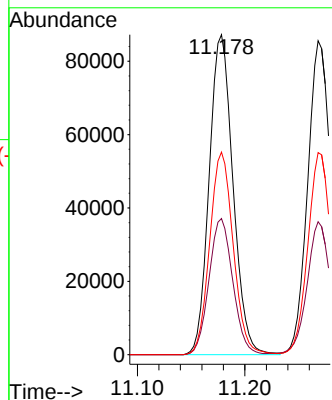
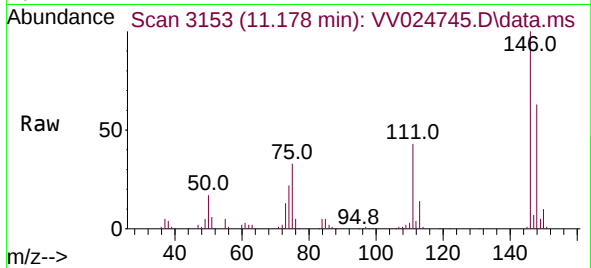




#64
1,3-Dichlorobenzene
Concen: 5.141 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

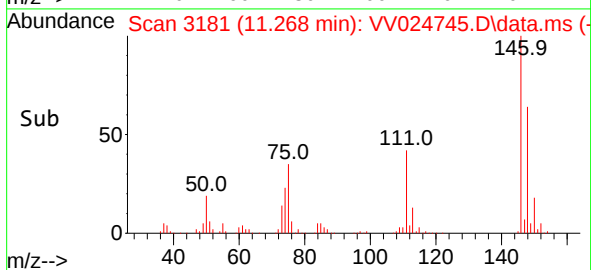
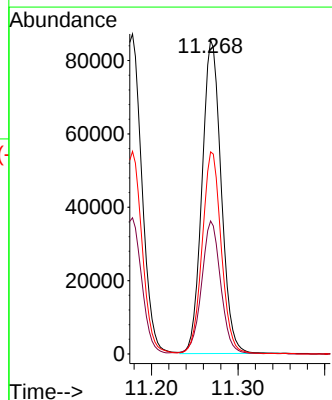
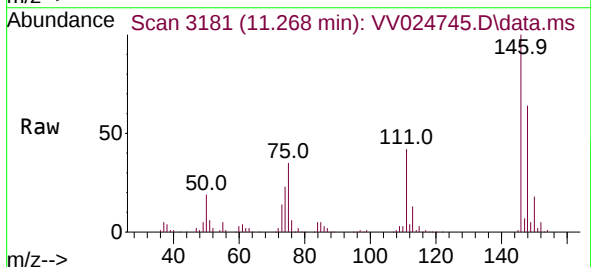
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

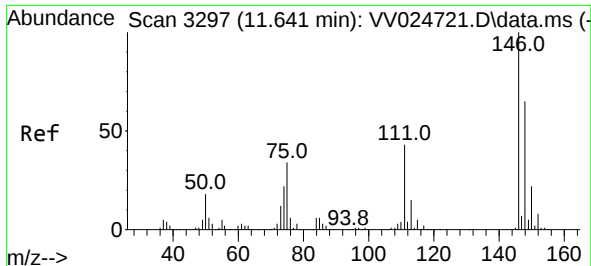
Tgt Ion:146 Resp: 134333
Ion Ratio Lower Upper
146 100
111 42.5 31.0 57.6
148 63.3 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 5.025 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.003 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion:146 Resp: 131141
Ion Ratio Lower Upper
146 100
111 42.3 28.3 52.7
148 64.4 44.0 81.8

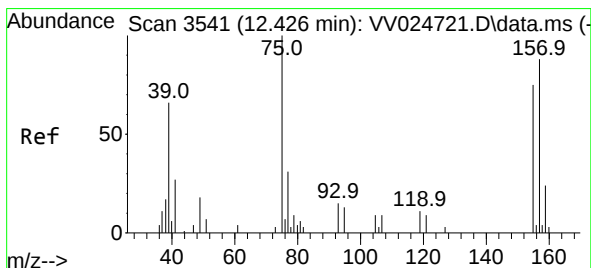
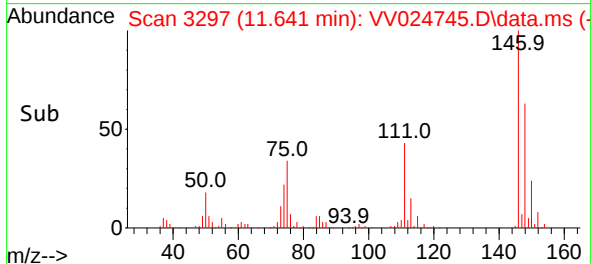
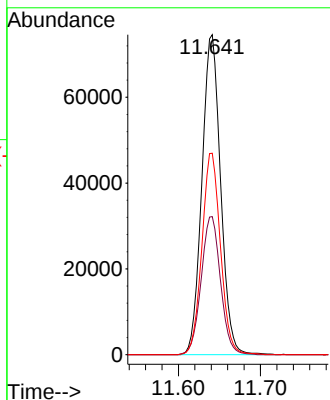
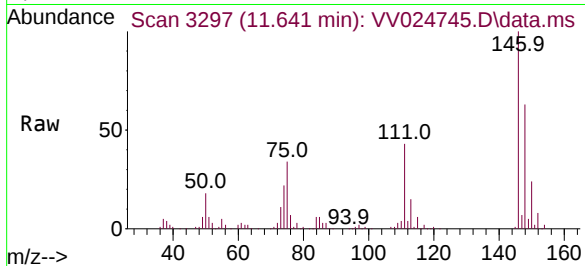




#67
1,2-Dichlorobenzene
Concen: 5.127 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

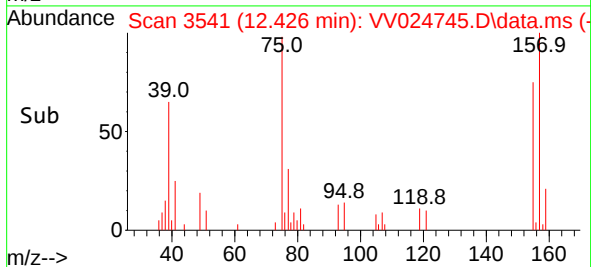
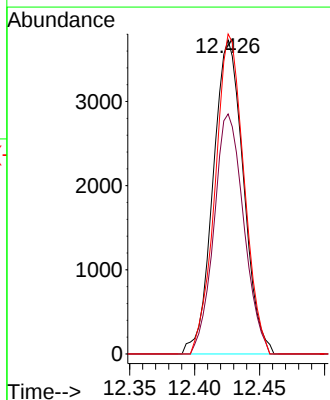
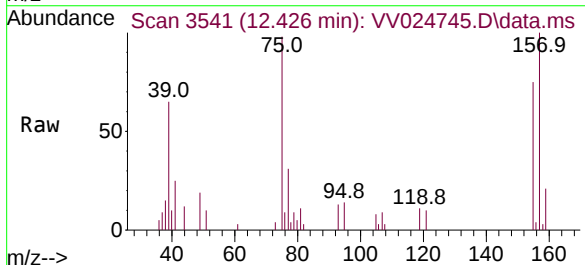
Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

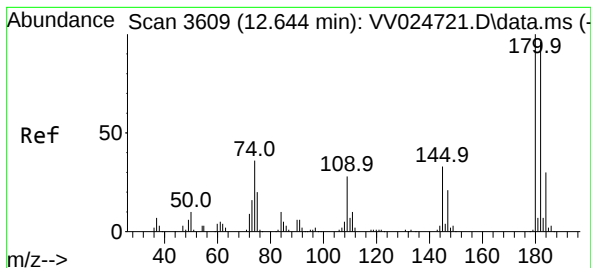
Tgt Ion:146 Resp: 118176
Ion Ratio Lower Upper
146 100
111 43.1 36.0 54.0
148 63.0 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 5.216 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion: 75 Resp: 6054
Ion Ratio Lower Upper
75 100
155 76.5 61.7 92.5
157 102.0 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 5.015 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005317

Tgt Ion:180 Resp: 92919

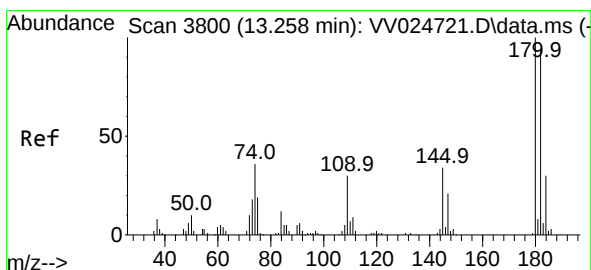
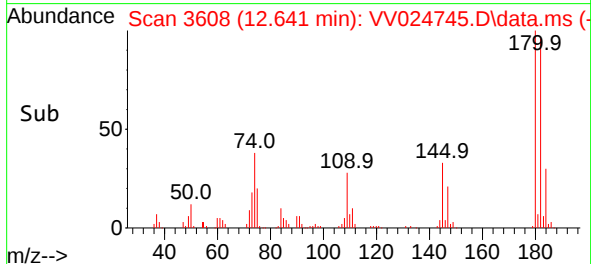
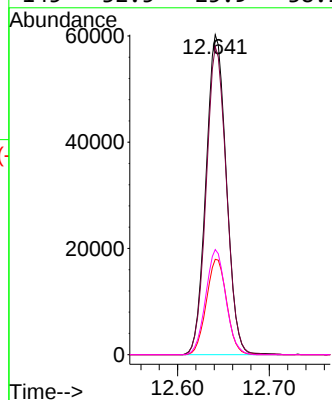
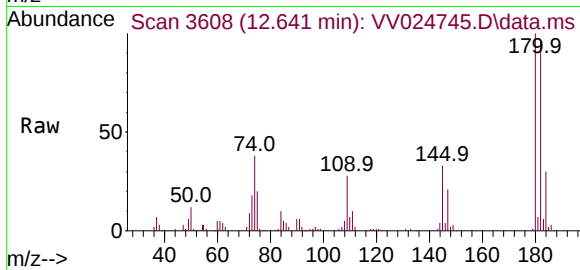
Ion Ratio Lower Upper

180 100

182 95.7 74.6 111.8

184 29.8 23.8 35.8

145 32.5 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 5.031 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV024745.D

Acq: 18 Feb 2022 09:47

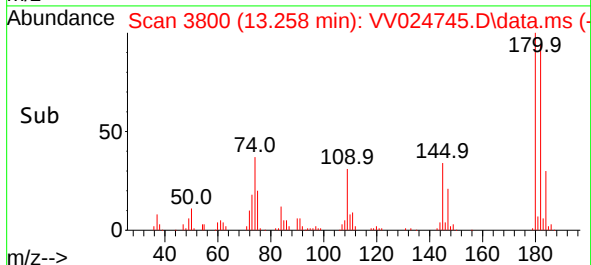
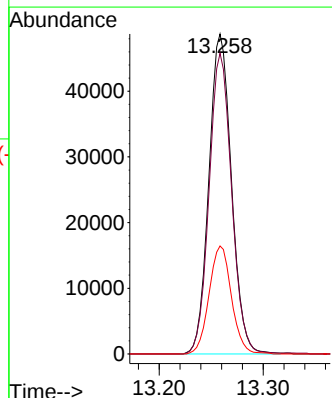
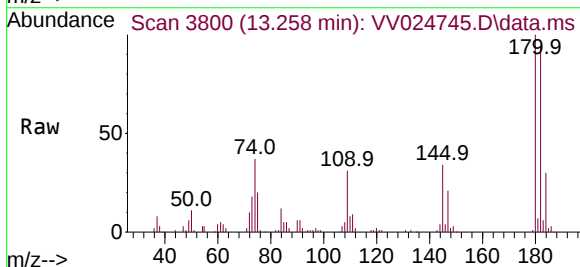
Tgt Ion:180 Resp: 73438

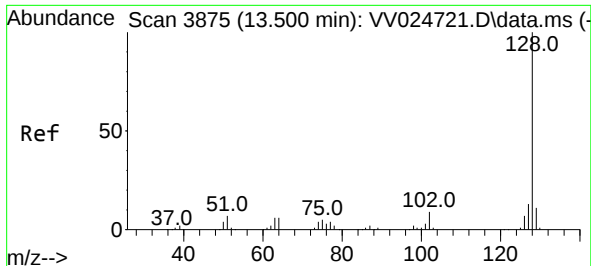
Ion Ratio Lower Upper

180 100

182 93.7 75.0 112.6

145 33.5 26.9 40.3

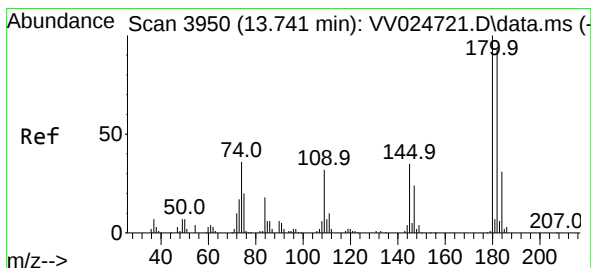
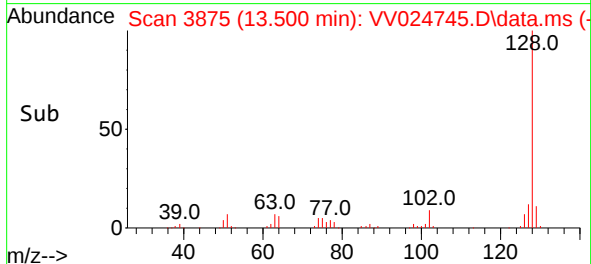
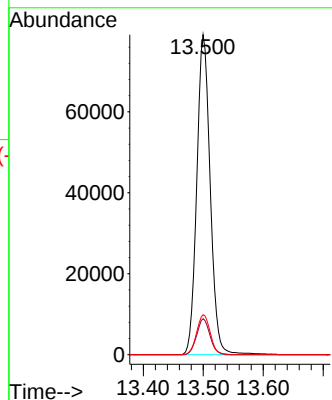
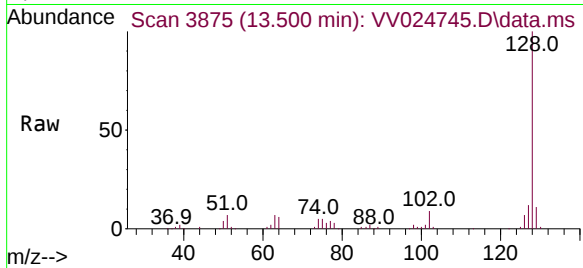




#71
Naphthalene
Concen: 4.973 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD005317

Tgt Ion:128 Resp: 123448
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 12.6 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.992 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV024745.D
Acq: 18 Feb 2022 09:47

Tgt Ion:180 Resp: 60983
Ion Ratio Lower Upper
180 100
182 93.3 75.6 113.4
145 36.6 28.5 42.7

