

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021722\
 Data File : VW024743.D
 Acq On : 17 Feb 2022 23:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

Quant Time: Feb 18 07:38:36 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		5.619	114	171423	5.000	ug/L	0.00
28) Chlorobenzene-d5		8.854	117	162763	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.249	152	75905	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.307	65	73173	5.033	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130		Recovery	=	100.600%	
7) Chloroethane-d5		1.568	69	58849	4.934	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130		Recovery	=	98.600%	
11) 1,1-Dichloroethene-d2		2.111	63	130139	4.884	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125		Recovery	=	97.600%	
20) 2-Butanone-d5		3.889	46	125936	60.638	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130		Recovery	=	121.280%	
24) Chloroform-d		4.349	84	115979	5.112	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125		Recovery	=	102.200%	
26) 1,2-Dichloroethane-d4		5.034	65	53677	5.308	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130		Recovery	=	106.200%	
32) Benzene-d6		5.050	84	234747	4.999	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125		Recovery	=	100.000%	
36) 1,2-Dichloropropane-d6		6.072	67	70762	5.121	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140		Recovery	=	102.400%	
41) Toluene-d8		7.317	98	217526	5.098	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130		Recovery	=	102.000%	
43) trans-1,3-Dichloroprop...		7.622	79	24313	5.282	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130		Recovery	=	105.600%	
46) 2-Hexanone-d5		8.088	63	107462	59.327	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130		Recovery	=	118.660%	
56) 1,1,2,2-Tetrachloroeth...		10.214	84	45394	5.451	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120		Recovery	=	109.000%	
66) 1,2-Dichlorobenzene-d4		11.622	152	68519	5.217	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120		Recovery	=	104.400%	
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		1.131	85	81321	4.865	ug/L	100
3) Chloromethane		1.243	50	84768	5.077	ug/L	99
5) Vinyl chloride		1.311	62	91203	4.976	ug/L	98
6) Bromomethane		1.523	94	51514	4.705	ug/L	100
8) Chloroethane		1.587	64	54313	4.811	ug/L	100
9) Trichlorofluoromethane		1.754	101	117872	4.898	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...		2.118	101	65932	4.719	ug/L	99
12) 1,1-Dichloroethene		2.121	96	64342	4.820	ug/L	97
13) Acetone		2.179	43	80451	54.930	ug/L	95
14) Carbon disulfide		2.294	76	183752	4.904	ug/L	100
15) Methyl Acetate		2.439	43	22689	5.917	ug/L	96
16) Methylene chloride		2.510	84	64976	4.943	ug/L	97
17) Methyl tert-butyl Ether		2.770	73	140674	5.360	ug/L	99
18) trans-1,2-Dichloroethene		2.764	96	64212	4.925	ug/L	95
19) 1,1-Dichloroethane		3.192	63	119976	5.025	ug/L	99
21) 2-Butanone		3.973	43	139492	61.632	ug/L	100
22) cis-1,2-Dichloroethene		3.915	96	70762	5.134	ug/L	99
23) Bromochloromethane		4.253	128	27687	5.198	ug/L	90
25) Chloroform		4.378	83	125063	5.015	ug/L	99

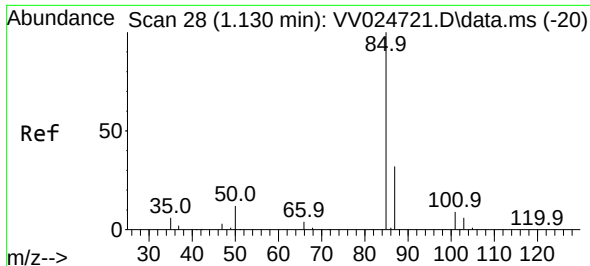
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021722\
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Quant Time: Feb 18 07:38:36 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 07:32:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	68440	5.142	ug/L	100
29) 1,1,1-Trichloroethane	4.609	97	108178	4.952	ug/L	99
30) Cyclohexane	4.680	56	107022	4.830	ug/L	99
31) Carbon tetrachloride	4.828	117	90687	4.938	ug/L	98
33) Benzene	5.101	78	272545	4.946	ug/L	100
34) Trichloroethene	5.915	95	71300	4.884	ug/L	96
35) Methylcyclohexane	6.130	83	111930	4.746	ug/L	99
37) 1,2-Dichloropropane	6.175	63	65601	5.038	ug/L	100
38) Bromodichloromethane	6.510	83	83624	5.103	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	90651	5.020	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	354880	57.301	ug/L	99
42) Toluene	7.387	91	298385	5.086	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	73013	5.060	ug/L	97
45) 1,1,2-Trichloroethane	7.838	97	44733	5.281	ug/L	99
47) Tetrachloroethene	7.976	164	46349	4.663	ug/L	98
48) 2-Hexanone	8.137	43	253815	58.288	ug/L	99
49) Dibromochloromethane	8.246	129	47639	5.068	ug/L	97
50) 1,2-Dibromoethane	8.352	107	41161	5.326	ug/L	98
51) Chlorobenzene	8.879	112	180453	4.916	ug/L	98
52) Ethylbenzene	9.011	91	313956	4.903	ug/L	100
53) m,p-xylene	9.137	106	119719	4.946	ug/L	99
54) o-xylene	9.542	106	115906	4.900	ug/L	99
55) Styrene	9.561	104	196851	5.116	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	47023	5.249	ug/L	99
59) Bromoform	9.731	173	19869	5.171	ug/L	97
60) Isopropylbenzene	9.931	105	310742	4.949	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	36590	5.319	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	261509	4.996	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	261740	5.038	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	131145	4.953	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	130574	4.937	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	119250	5.105	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	6699	5.696	ug/L	95
69) 1,3,5-Trichlorobenzene	12.645	180	87827	4.677	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	73621	4.977	ug/L	100
71) Naphthalene	13.500	128	134246	5.336	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	63146	5.100	ug/L	100

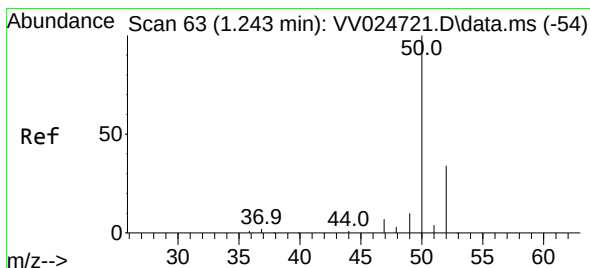
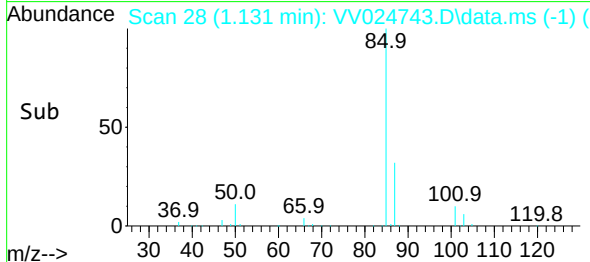
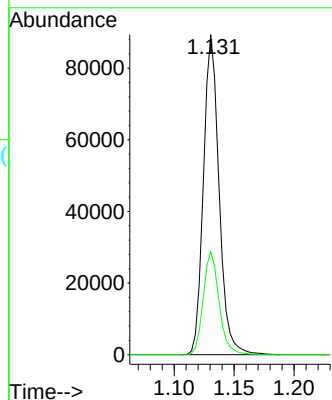
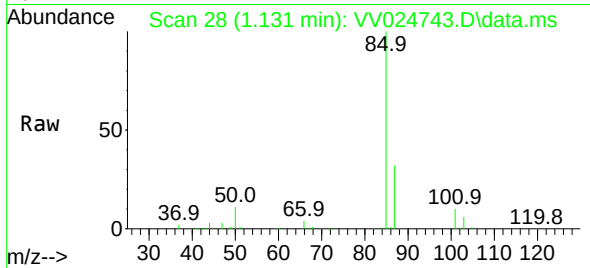
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#2
 Dichlorodifluoromethane
 Concen: 4.865 ug/L
 RT: 1.131 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

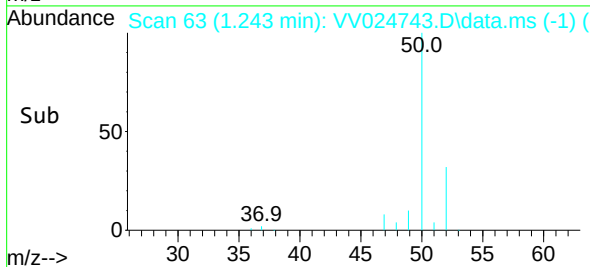
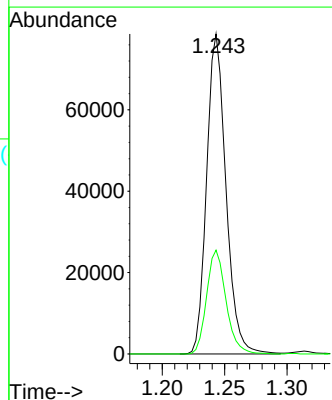
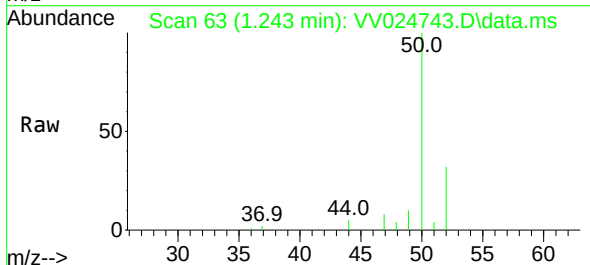
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

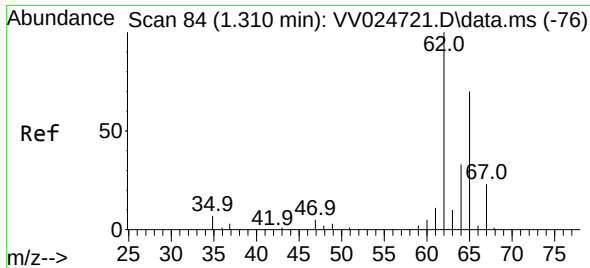
Tgt Ion: 85 Resp: 81321
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9



#3
 Chloromethane
 Concen: 5.077 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

Tgt Ion: 50 Resp: 84768
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.3 43.3

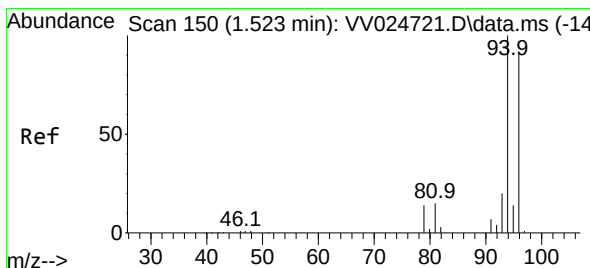
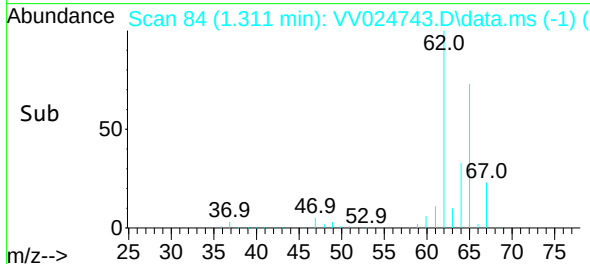
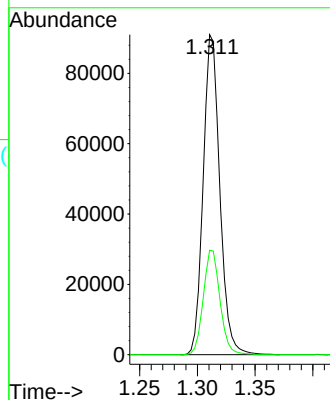
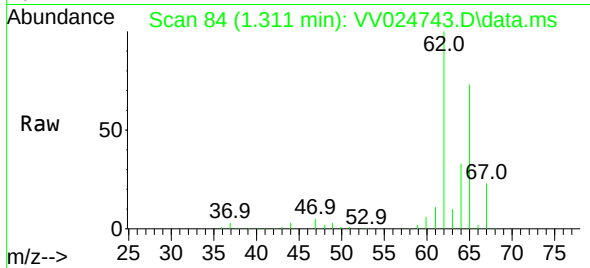




#5
 Vinyl chloride
 Concen: 4.976 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

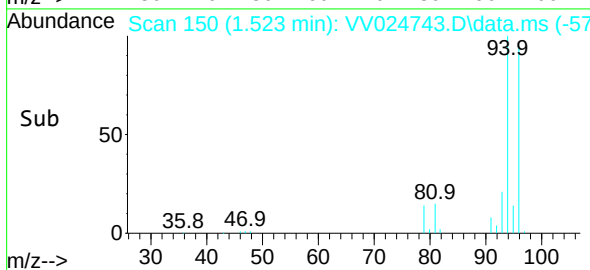
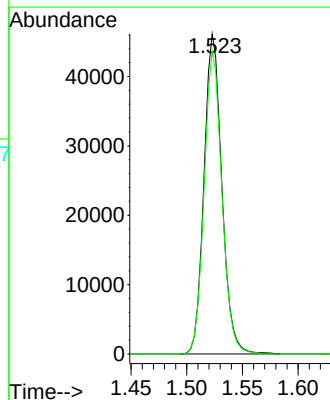
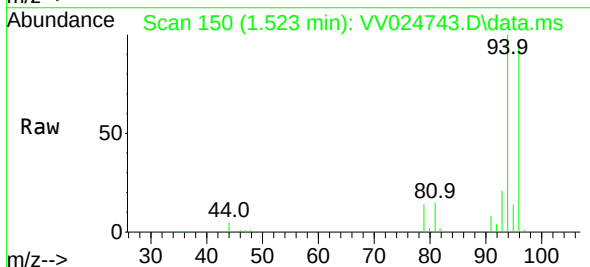
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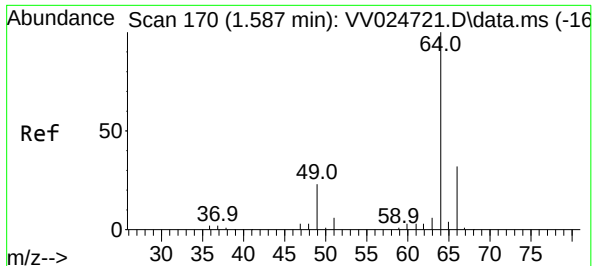
Tgt Ion: 62 Resp: 91203
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.2 41.2



#6
 Bromomethane
 Concen: 4.705 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

Tgt Ion: 94 Resp: 51514
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.5 123.5

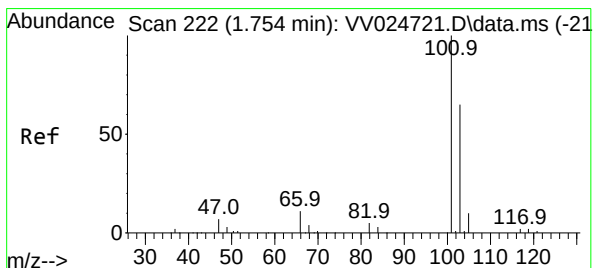
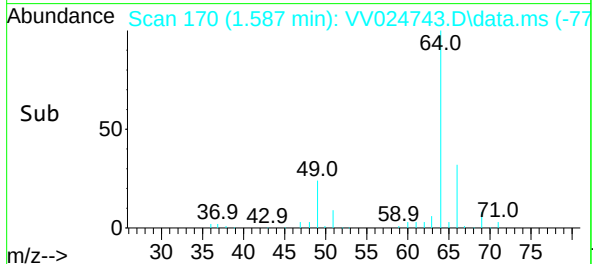
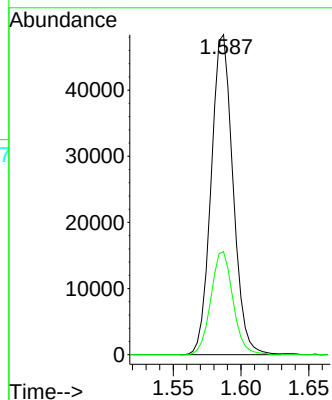
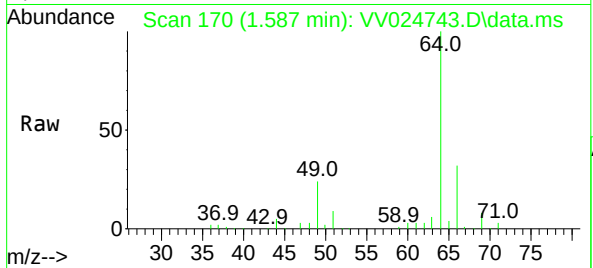




#8
Chloroethane
Concen: 4.811 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

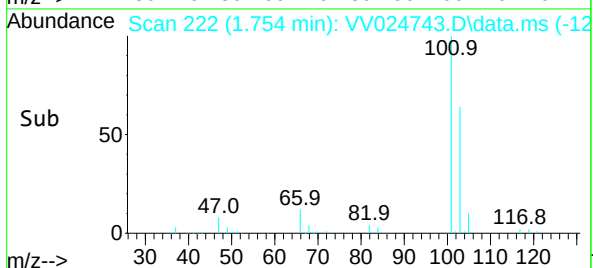
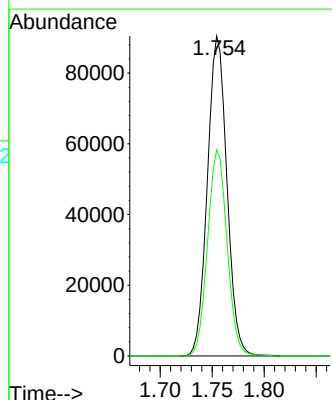
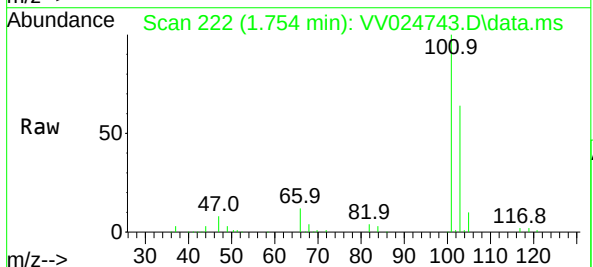
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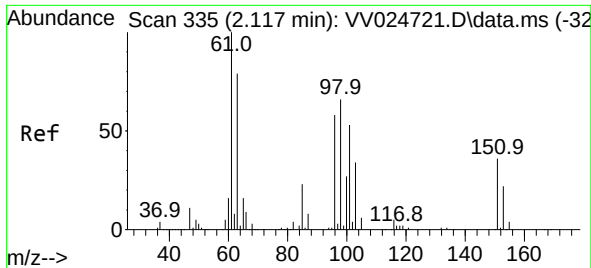
Tgt Ion: 64 Resp: 54313
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.898 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion:101 Resp: 117872
Ion Ratio Lower Upper
101 100
103 64.3 50.7 76.1

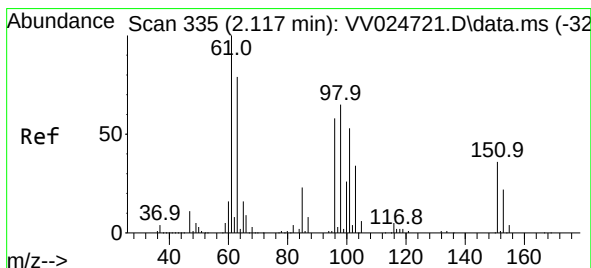
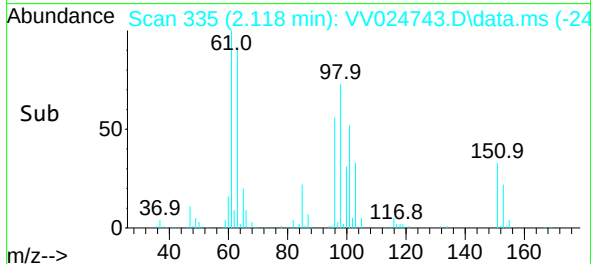
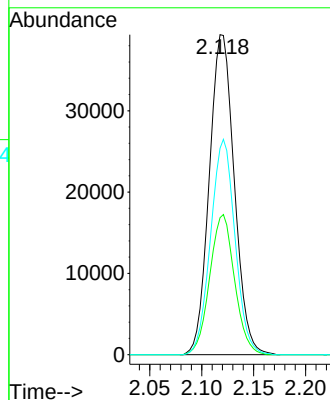
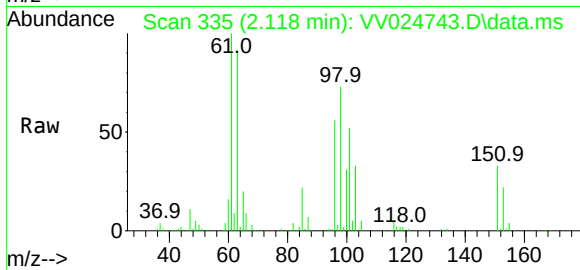




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.719 ug/L
 RT: 2.118 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

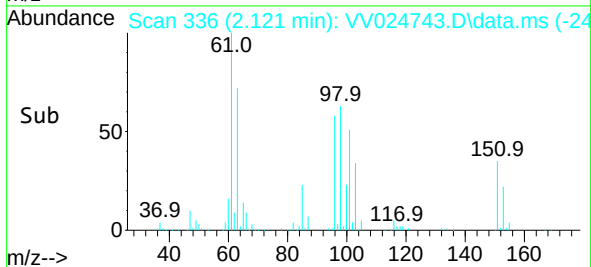
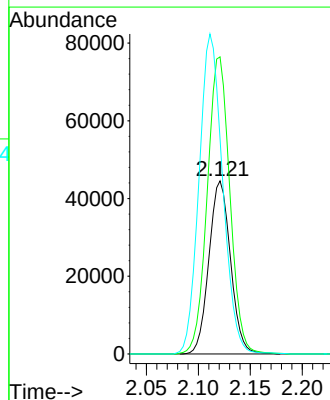
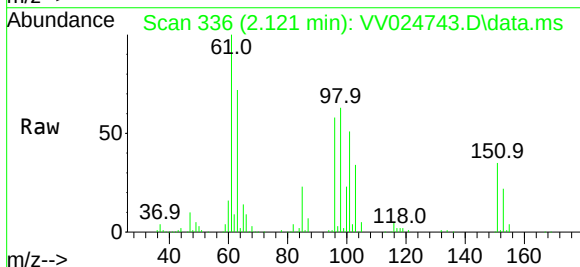
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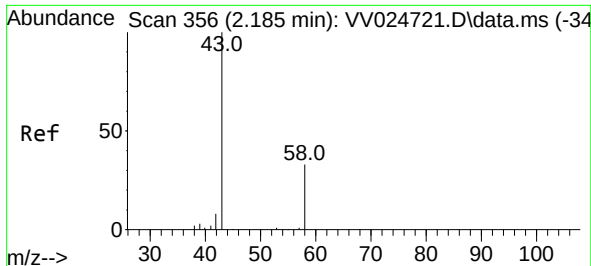
Tgt Ion:101 Resp: 65932
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.7 52.1
 151 65.7 53.5 80.3



#12
 1,1-Dichloroethene
 Concen: 4.820 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

Tgt Ion: 96 Resp: 64342
 Ion Ratio Lower Upper
 96 100
 61 171.5 116.3 216.1
 63 124.3 86.0 159.6





#13

Acetone

Concen: 54.930 ug/L

RT: 2.179 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

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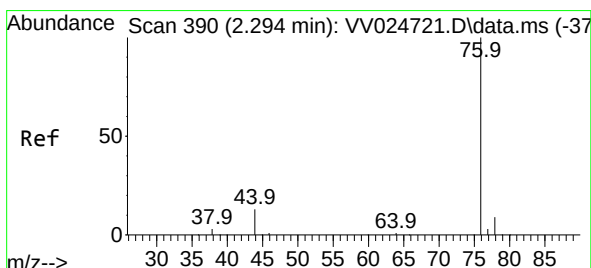
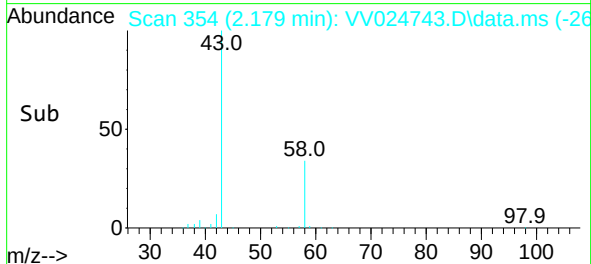
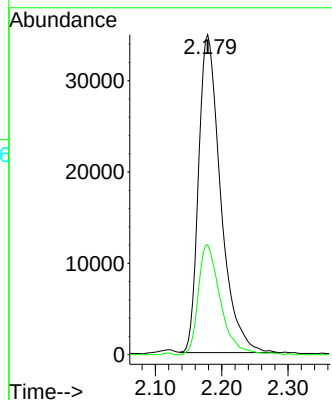
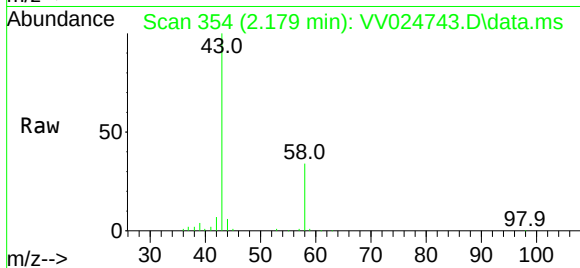
VSTD005315

Tgt Ion: 43 Resp: 80451

Ion Ratio Lower Upper

43 100

58 34.6 0.0 63.6



#14

Carbon disulfide

Concen: 4.904 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV024743.D

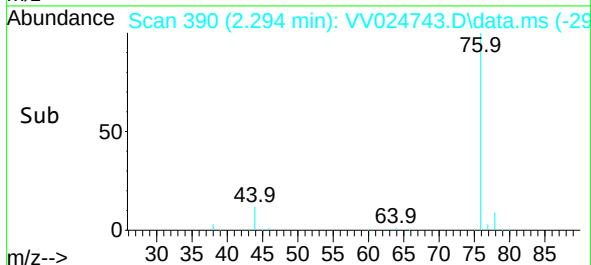
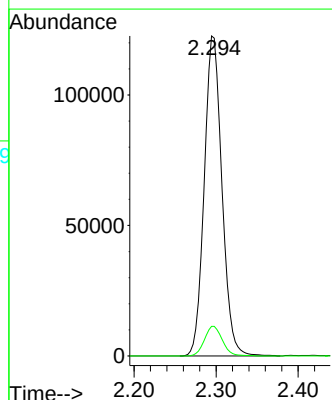
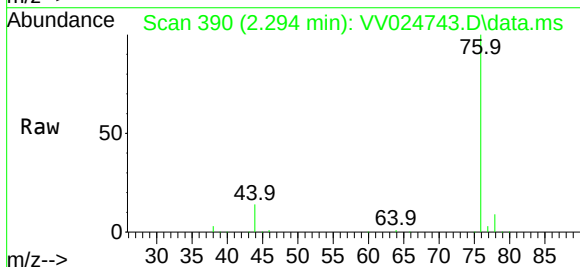
Acq: 17 Feb 2022 23:30

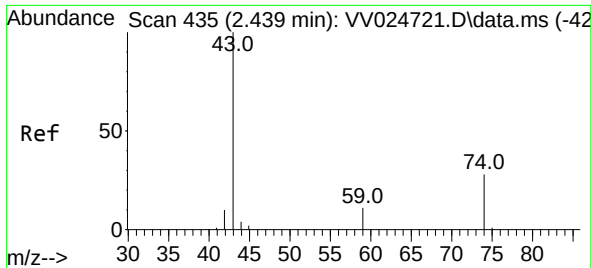
Tgt Ion: 76 Resp: 183752

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

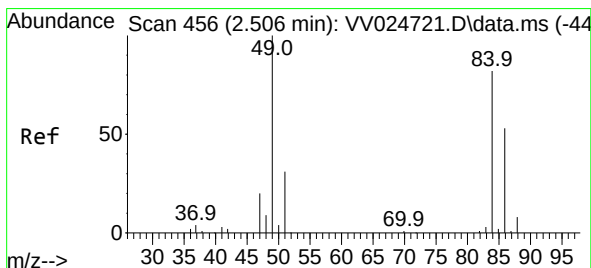
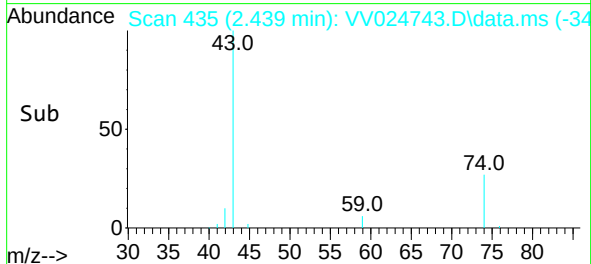
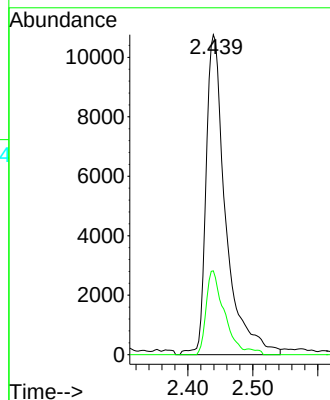
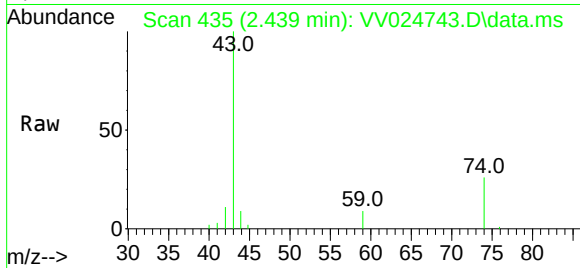




#15
Methyl Acetate
Concen: 5.917 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

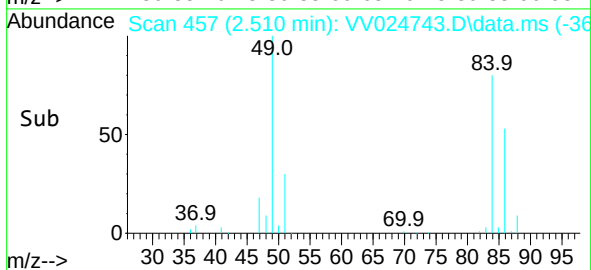
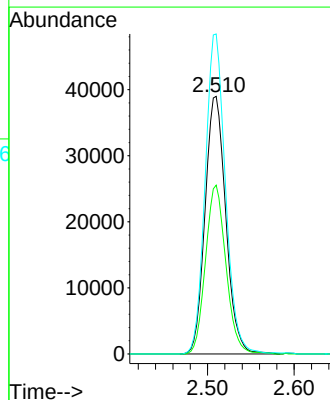
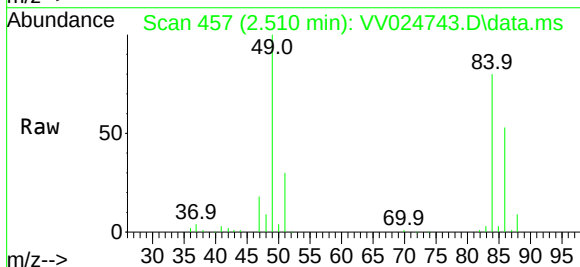
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

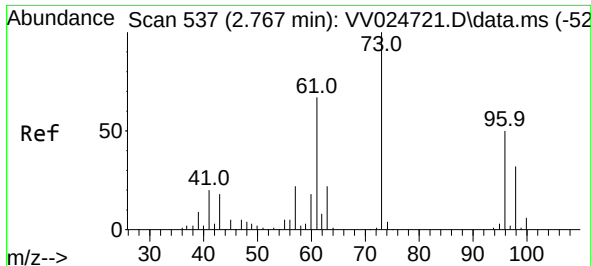
Tgt Ion: 43 Resp: 22689
Ion Ratio Lower Upper
43 100
74 23.7 20.8 31.2



#16
Methylene chloride
Concen: 4.943 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion: 84 Resp: 64976
Ion Ratio Lower Upper
84 100
86 65.5 45.1 83.7
49 124.2 83.5 155.1

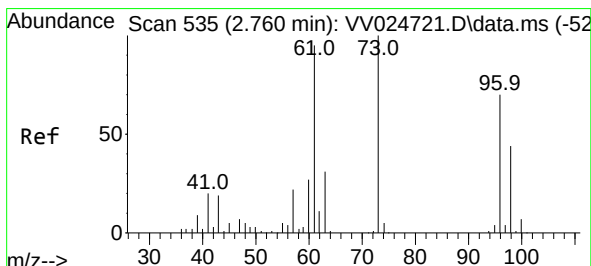
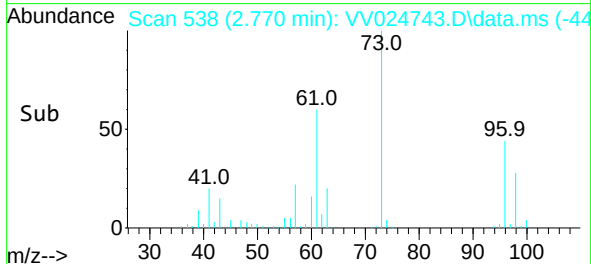
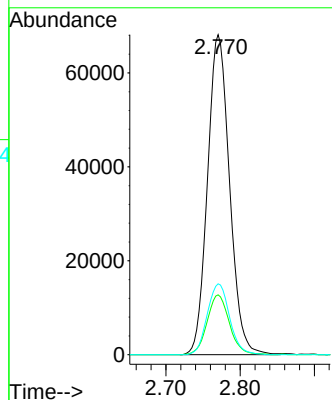
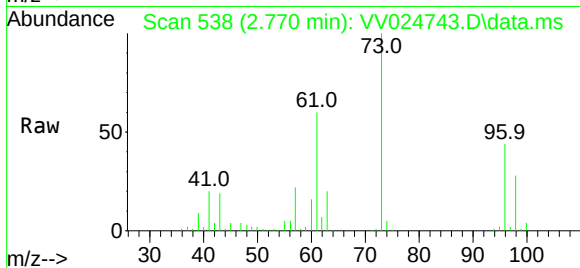




#17
Methyl tert-butyl Ether
Concen: 5.360 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

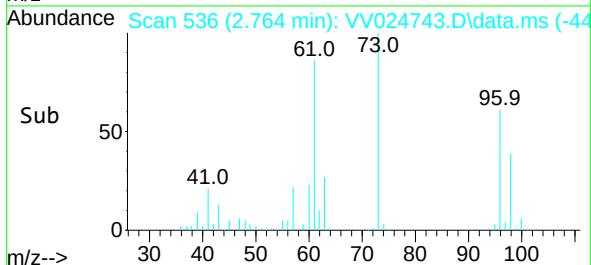
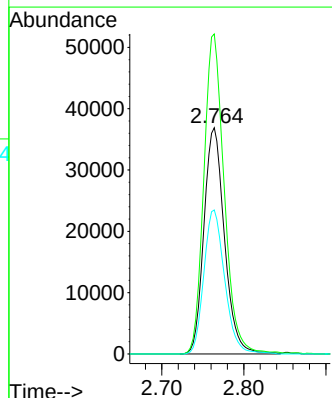
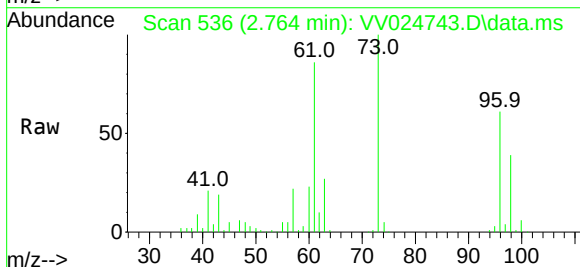
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

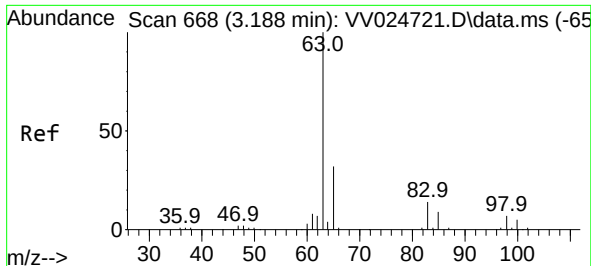
Tgt Ion: 73 Resp: 140674
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 22.4 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.925 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion: 96 Resp: 64212
Ion Ratio Lower Upper
96 100
61 141.5 92.9 172.5
98 63.7 44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.025 ug/L

RT: 3.192 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

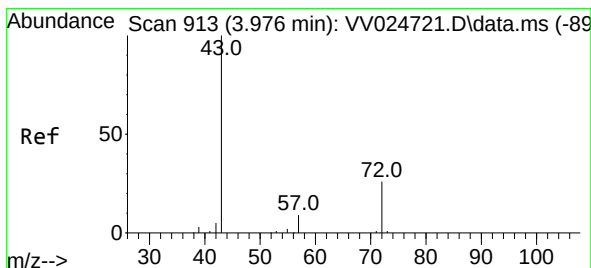
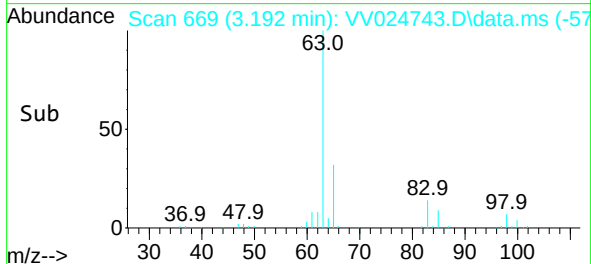
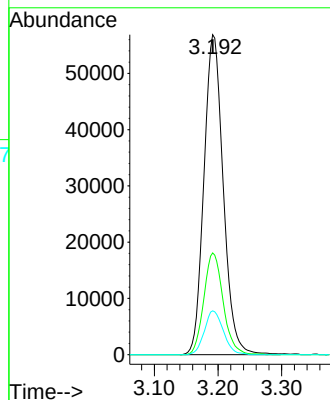
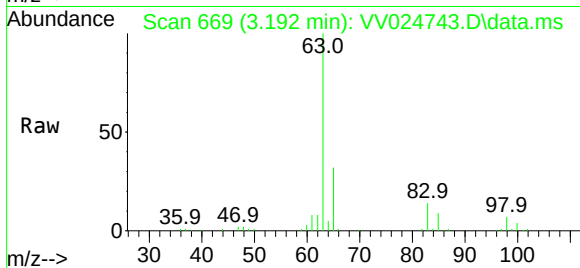
Tgt Ion: 63 Resp: 119976

Ion Ratio Lower Upper

63 100

65 31.8 22.0 40.8

83 13.7 9.5 17.7



#21

2-Butanone

Concen: 61.632 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.003 min

Lab File: VV024743.D

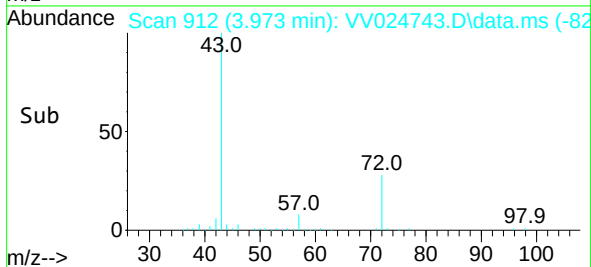
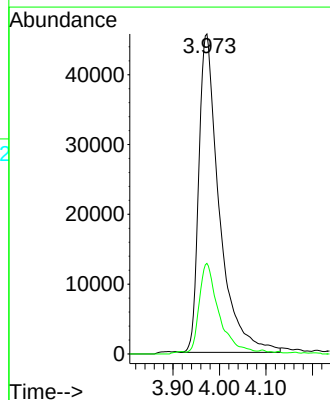
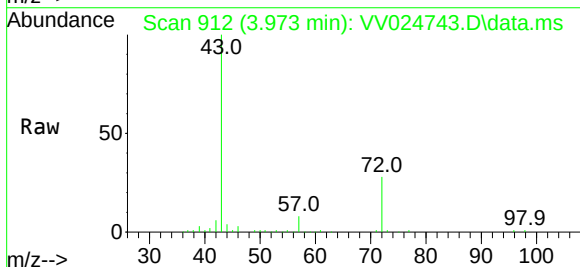
Acq: 17 Feb 2022 23:30

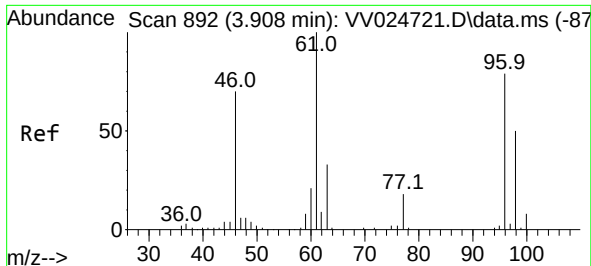
Tgt Ion: 43 Resp: 139492

Ion Ratio Lower Upper

43 100

72 26.5 13.2 39.6

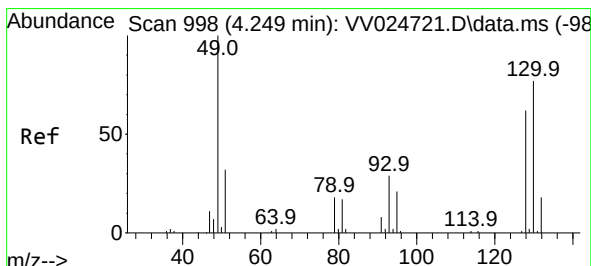
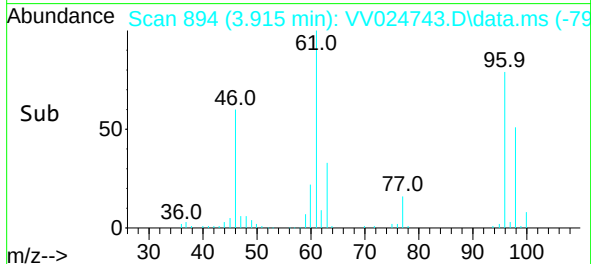
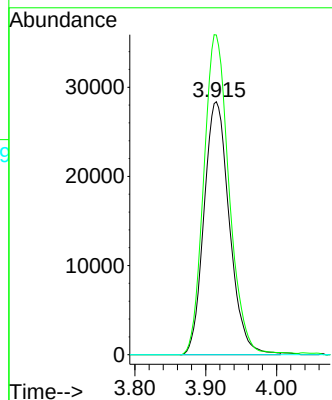
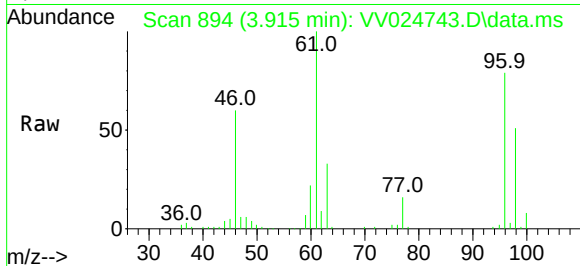




#22
 cis-1,2-Dichloroethene
 Concen: 5.134 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.007 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

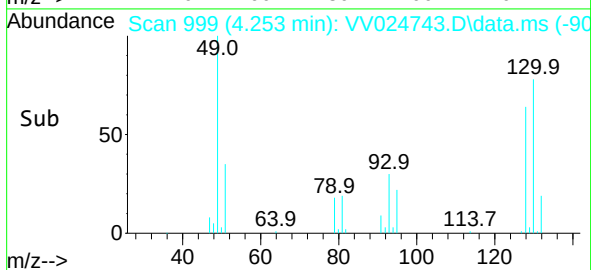
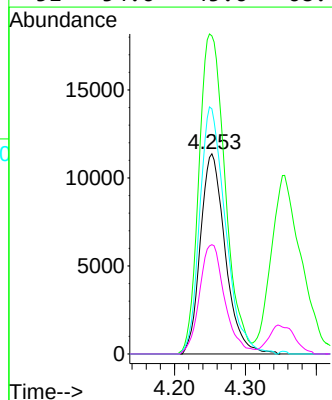
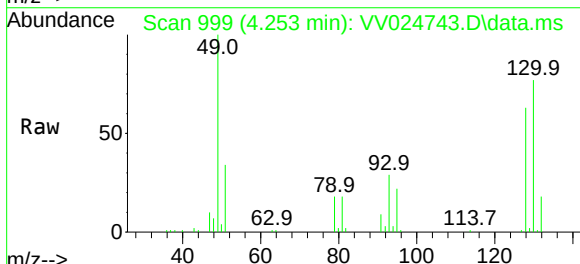
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

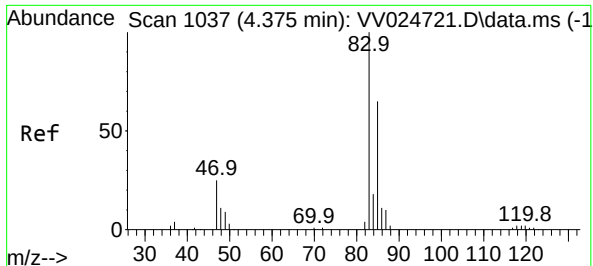
Tgt Ion: 96 Resp: 70762
 Ion Ratio Lower Upper
 96 100
 61 126.4 89.7 166.5
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.198 ug/L
 RT: 4.253 min Scan# 999
 Delta R.T. 0.003 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

Tgt Ion: 128 Resp: 27687
 Ion Ratio Lower Upper
 128 100
 49 158.8 124.2 230.6
 130 122.4 92.1 171.1
 51 54.6 45.6 68.4





#25

Chloroform

Concen: 5.015 ug/L

RT: 4.378 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

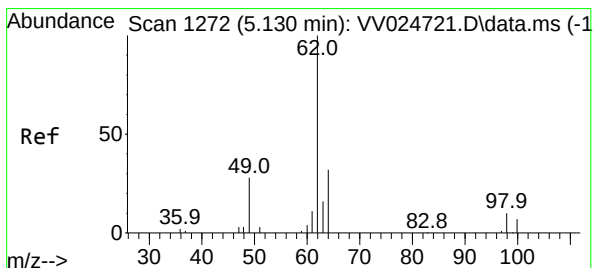
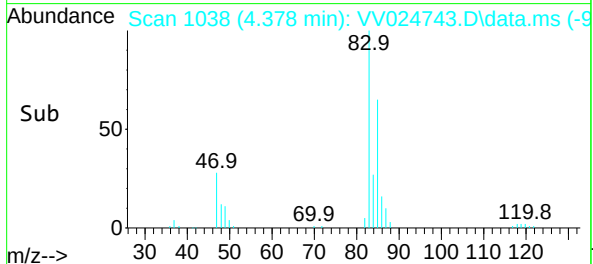
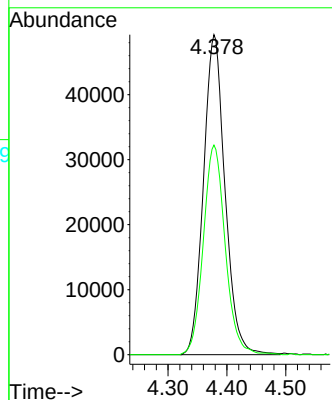
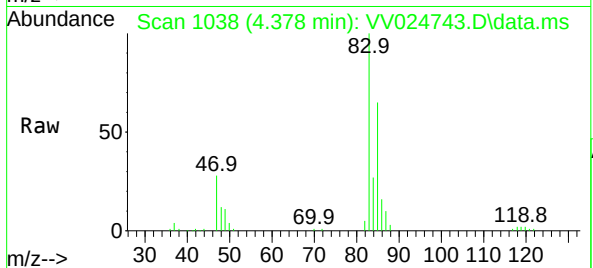
VSTD005315

Tgt Ion: 83 Resp: 125063

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 5.142 ug/L

RT: 5.134 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV024743.D

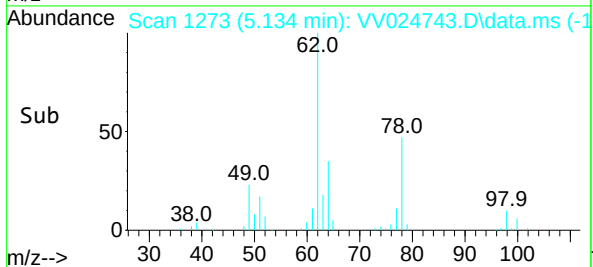
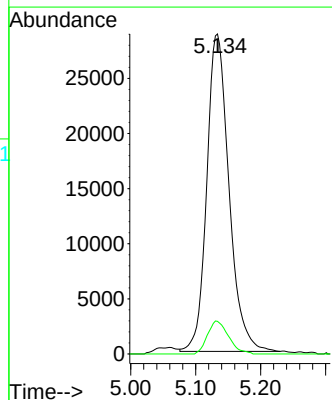
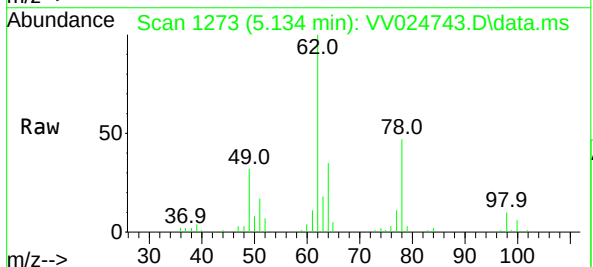
Acq: 17 Feb 2022 23:30

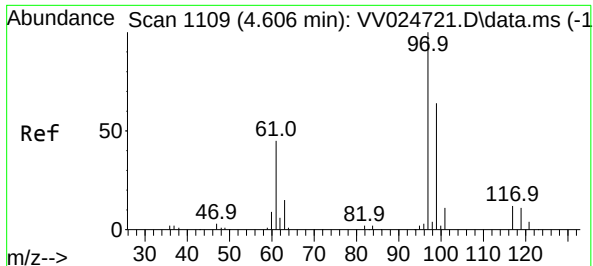
Tgt Ion: 62 Resp: 68440

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 4.952 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

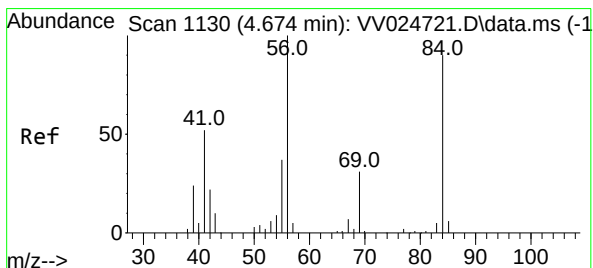
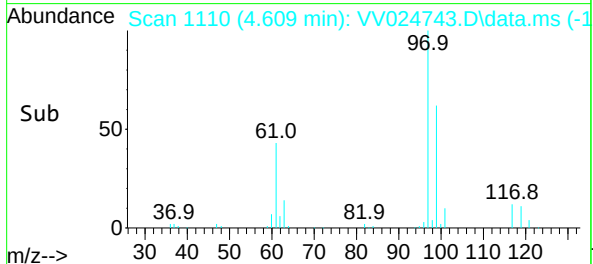
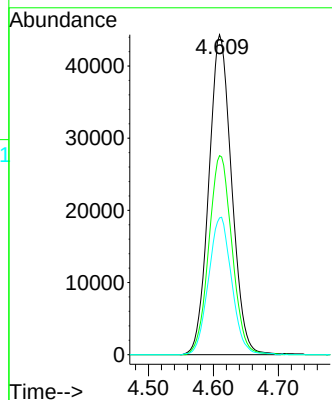
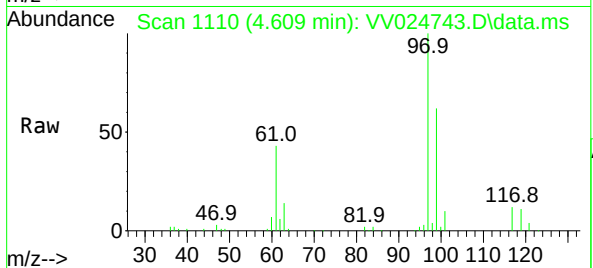
Tgt Ion: 97 Resp: 108178

Ion Ratio Lower Upper

97 100

99 63.2 50.5 75.7

61 43.6 35.8 53.6



#30

Cyclohexane

Concen: 4.830 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.007 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

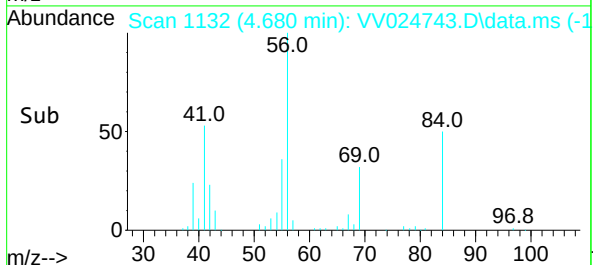
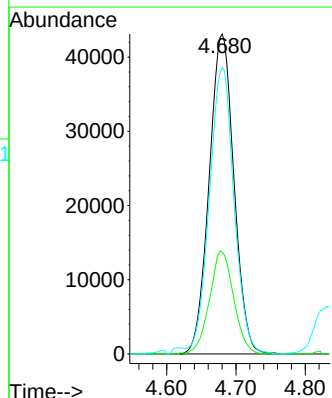
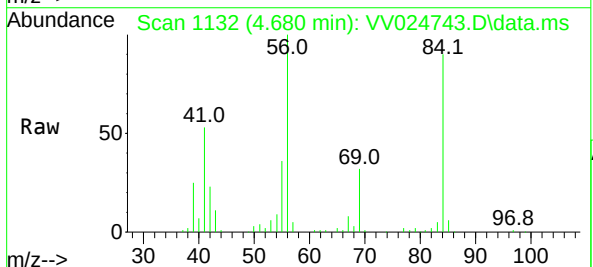
Tgt Ion: 56 Resp: 107022

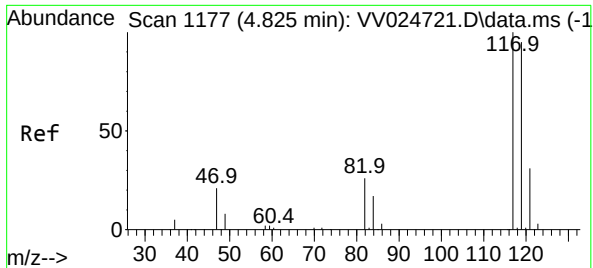
Ion Ratio Lower Upper

56 100

69 31.4 24.6 37.0

84 89.5 71.4 107.0

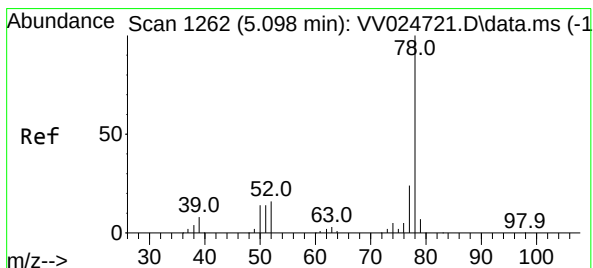
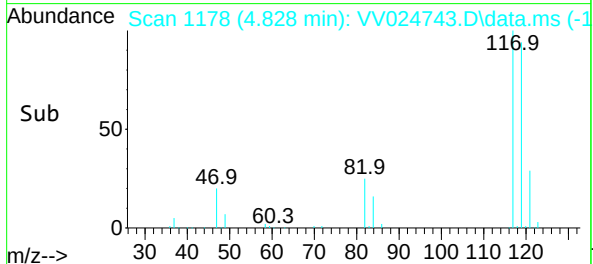
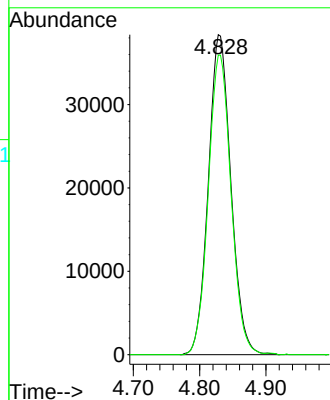
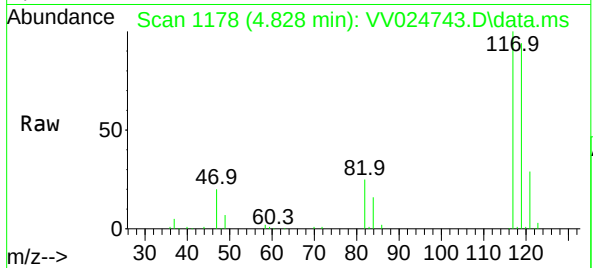




#31
Carbon tetrachloride
Concen: 4.938 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

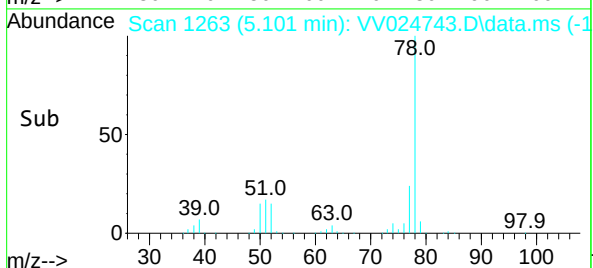
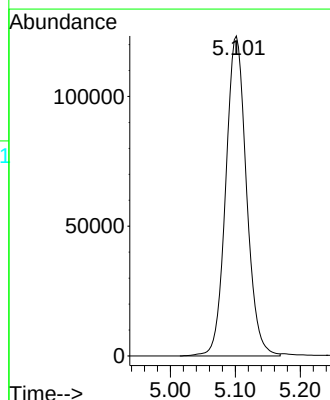
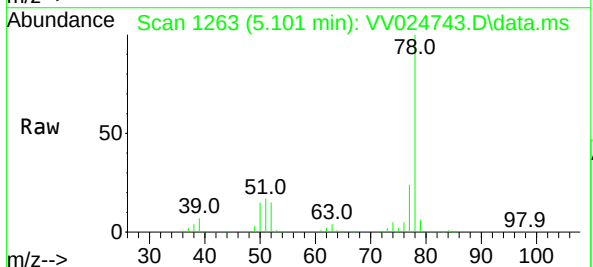
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

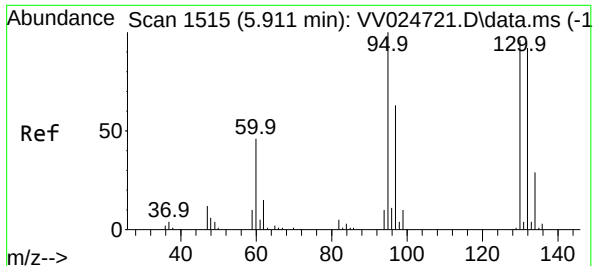
Tgt Ion:117 Resp: 90687
Ion Ratio Lower Upper
117 100
119 94.3 76.6 115.0



#33
Benzene
Concen: 4.946 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion: 78 Resp: 272545

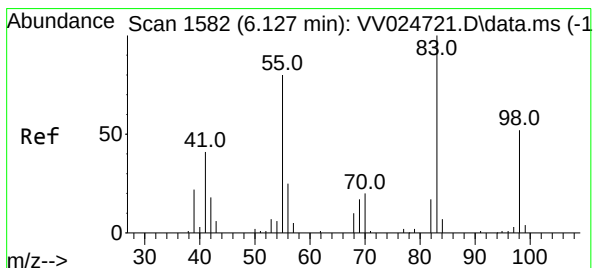
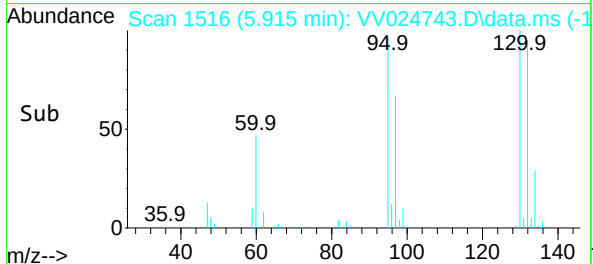
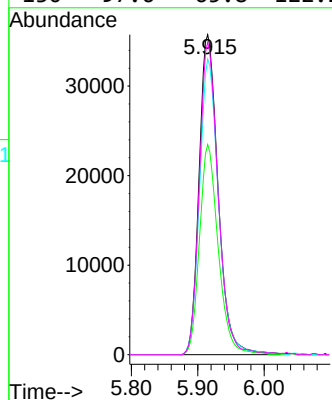
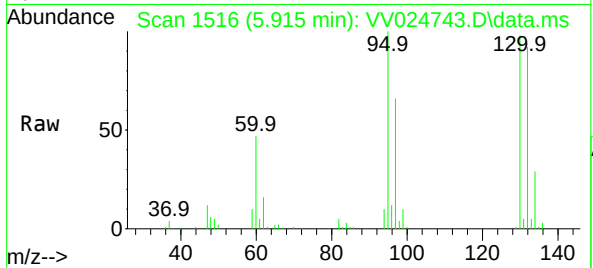




#34
Trichloroethene
Concen: 4.884 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

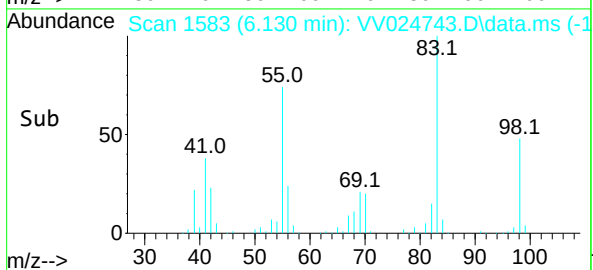
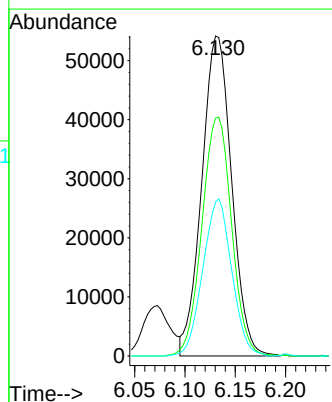
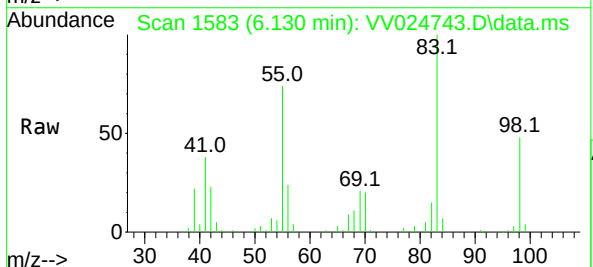
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

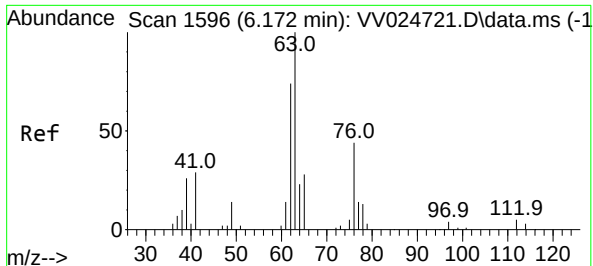
Tgt Ion: 95 Resp: 71300
Ion Ratio Lower Upper
95 100
97 65.6 44.2 82.0
132 92.3 62.1 115.3
130 97.6 65.8 122.2



#35
Methylcyclohexane
Concen: 4.746 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion: 83 Resp: 111930
Ion Ratio Lower Upper
83 100
55 74.2 58.8 88.2
98 47.5 38.6 58.0





#37

1,2-Dichloropropane

Concen: 5.038 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

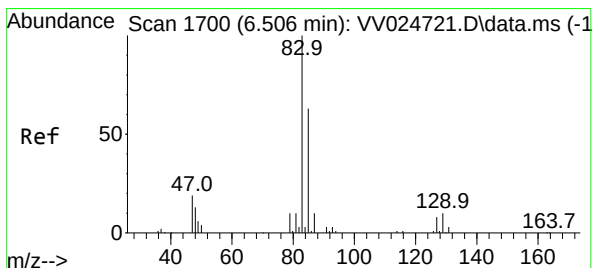
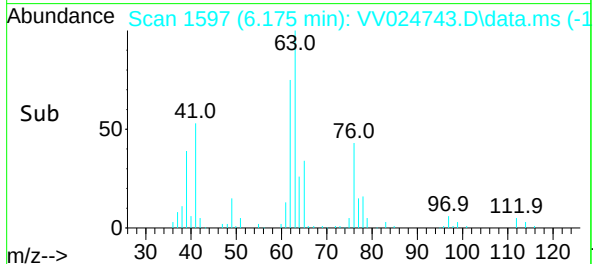
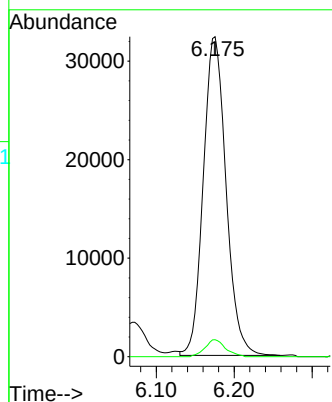
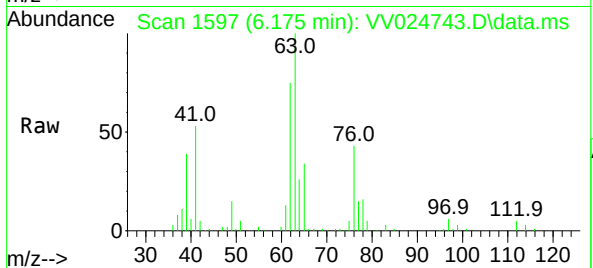
VSTD005315

Tgt Ion: 63 Resp: 65601

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 5.103 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

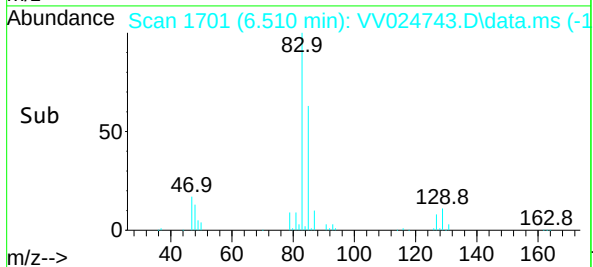
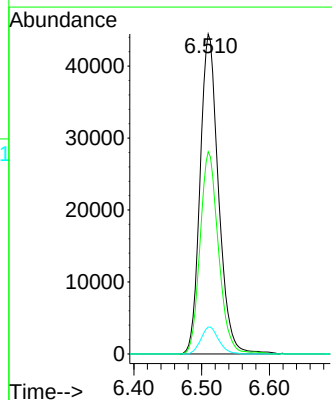
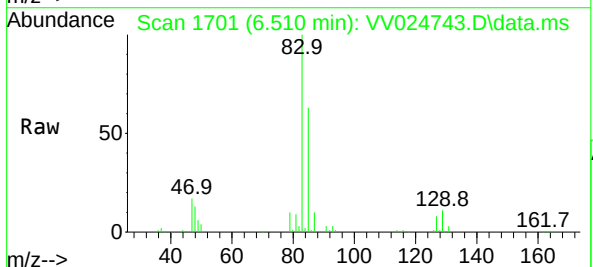
Tgt Ion: 83 Resp: 83624

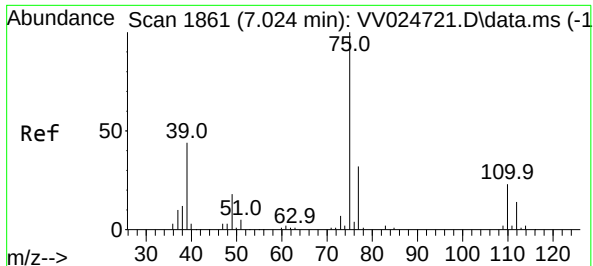
Ion Ratio Lower Upper

83 100

85 63.2 43.5 80.9

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.020 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

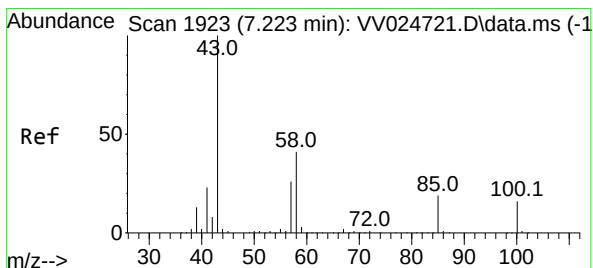
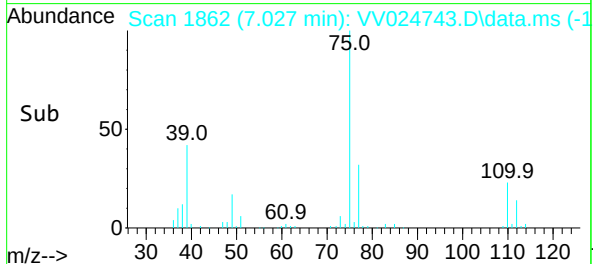
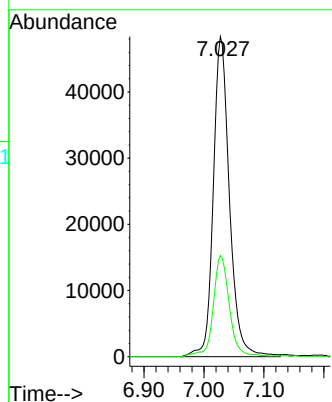
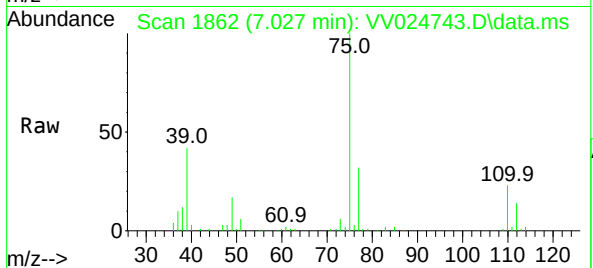
VSTD005315

Tgt Ion: 75 Resp: 90651

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 57.301 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

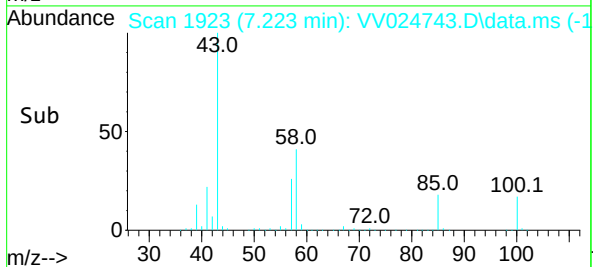
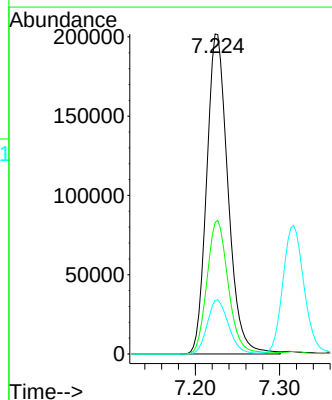
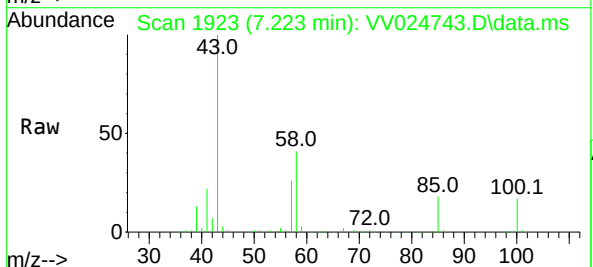
Tgt Ion: 43 Resp: 354880

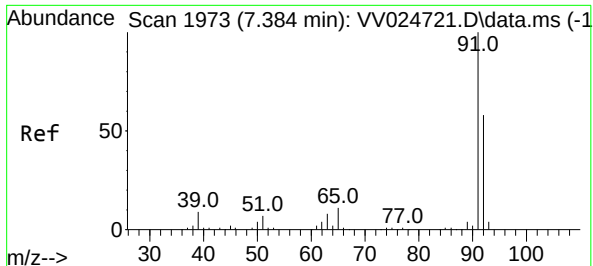
Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.6

100 16.9 13.3 19.9





#42

Toluene

Concen: 5.086 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

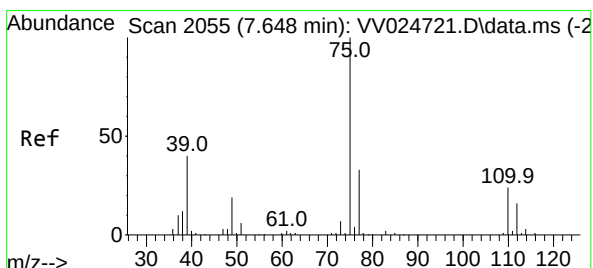
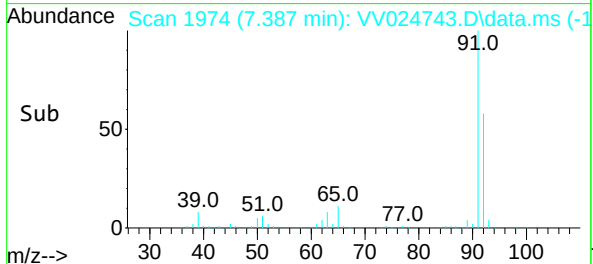
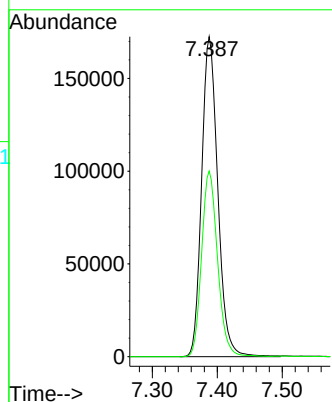
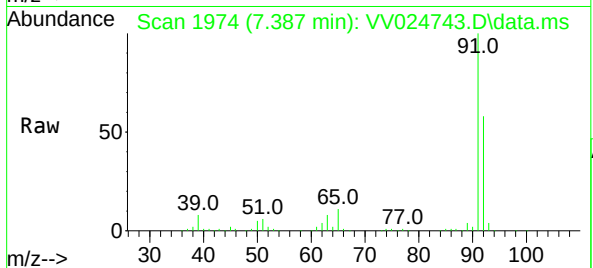
VSTD005315

Tgt Ion: 91 Resp: 298385

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 5.060 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV024743.D

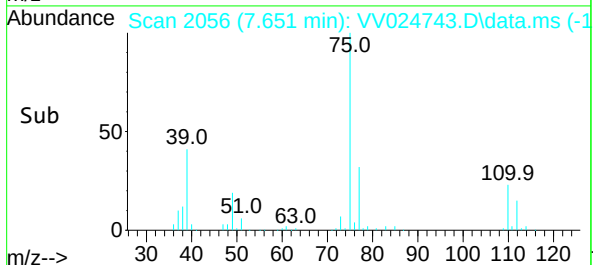
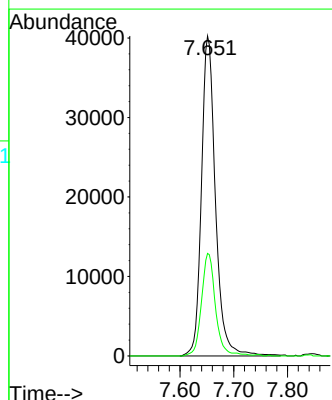
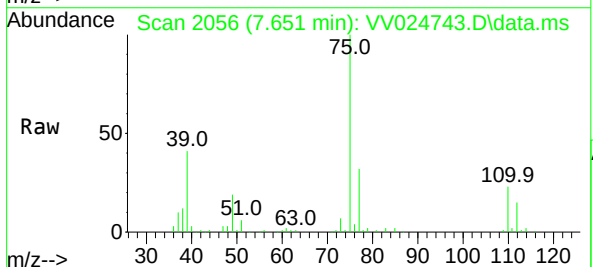
Acq: 17 Feb 2022 23:30

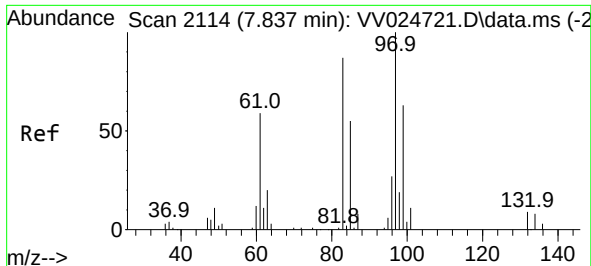
Tgt Ion: 75 Resp: 73013

Ion Ratio Lower Upper

75 100

77 32.1 23.5 43.7





#45

1,1,2-Trichloroethane

Concen: 5.281 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

Tgt Ion: 97 Resp: 44733

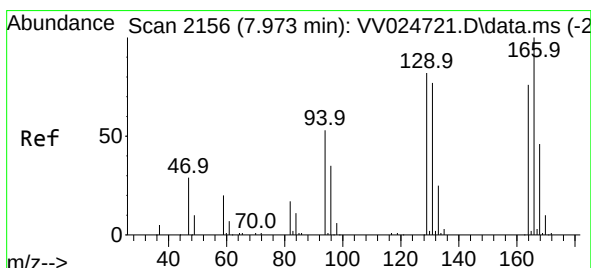
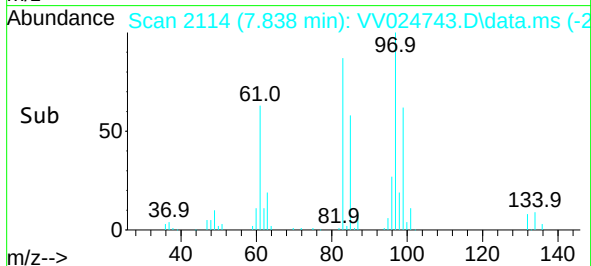
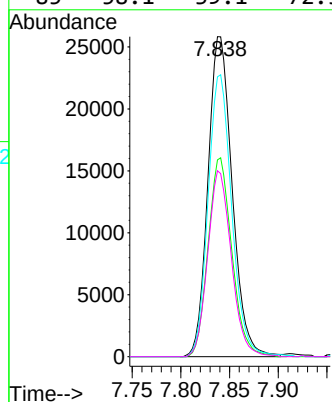
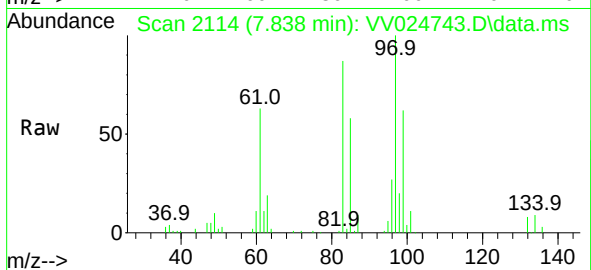
Ion Ratio Lower Upper

97 100

99 61.5 43.8 81.3

83 87.5 61.3 113.9

85 58.1 39.1 72.5



#47

Tetrachloroethene

Concen: 4.663 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Tgt Ion:164 Resp: 46349

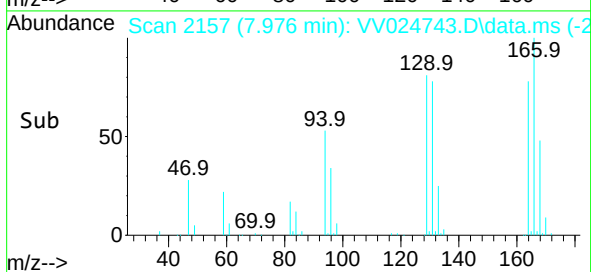
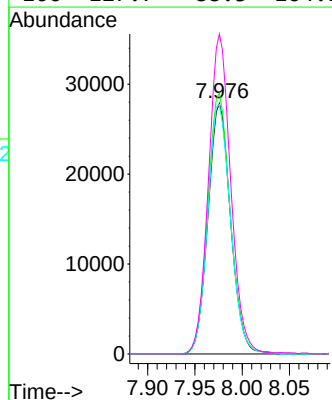
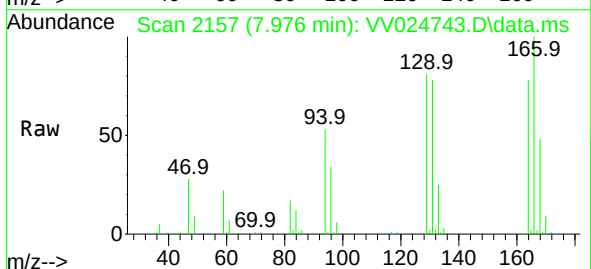
Ion Ratio Lower Upper

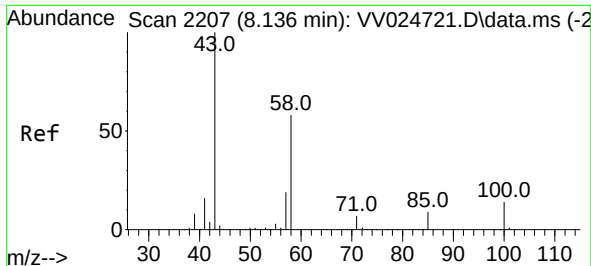
164 100

129 104.0 70.3 130.7

131 99.6 67.7 125.7

166 127.7 88.3 164.1

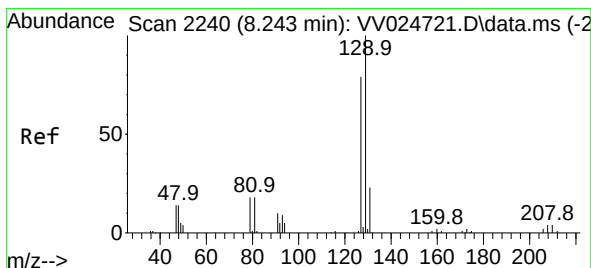
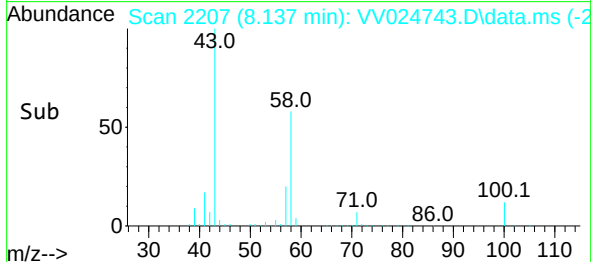
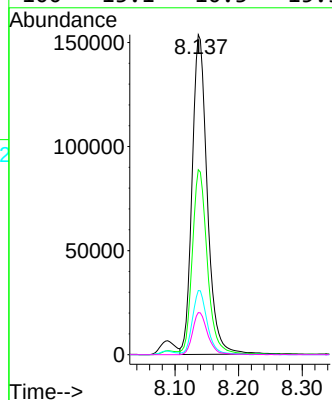
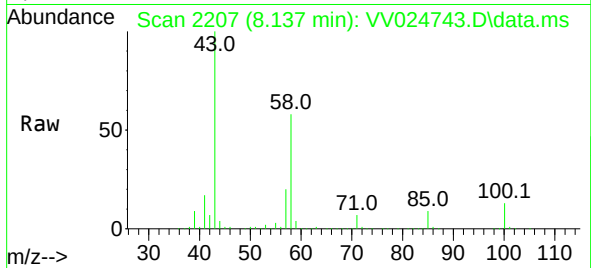




#48
2-Hexanone
Concen: 58.288 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

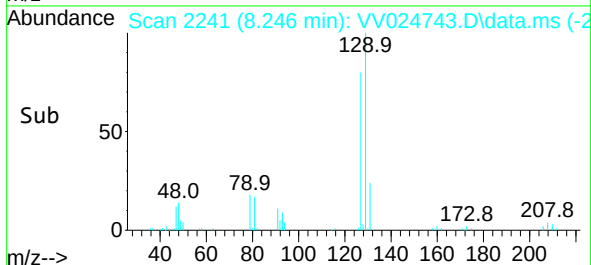
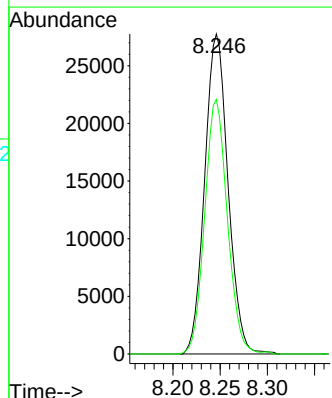
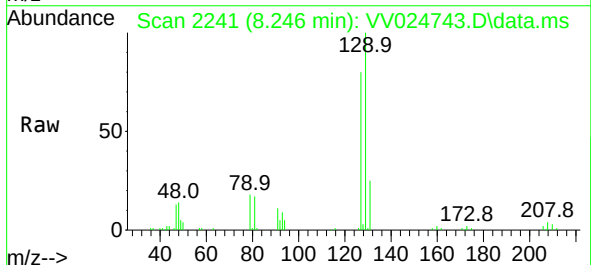
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

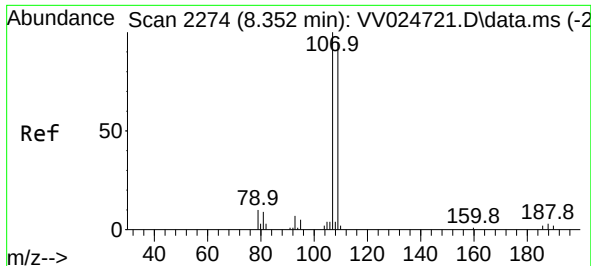
Tgt Ion:	43	Resp:	253815
Ion	Ratio	Lower	Upper
43	100		
58	56.5	46.0	69.0
57	19.7	15.7	23.5
100	13.1	10.3	15.5



#49
Dibromochloromethane
Concen: 5.068 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion:	129	Resp:	47639
Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.6	99.6





#50

1,2-Dibromoethane

Concen: 5.326 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

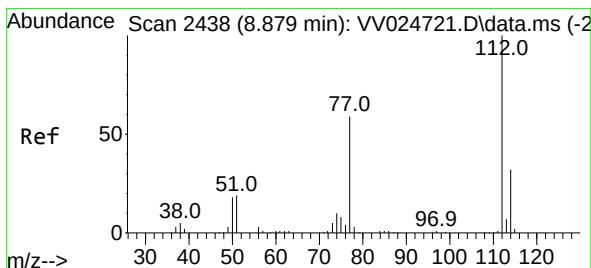
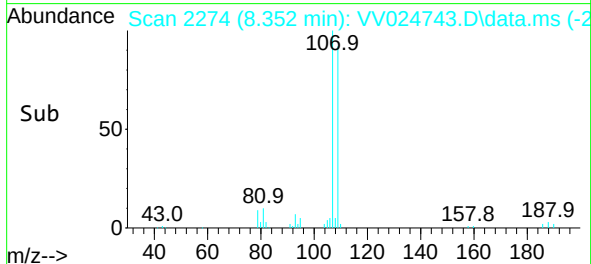
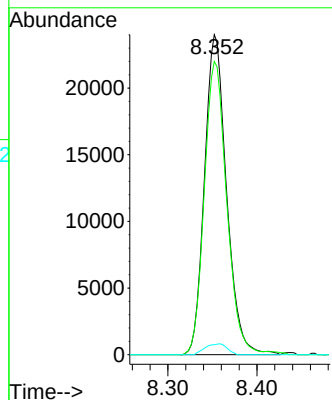
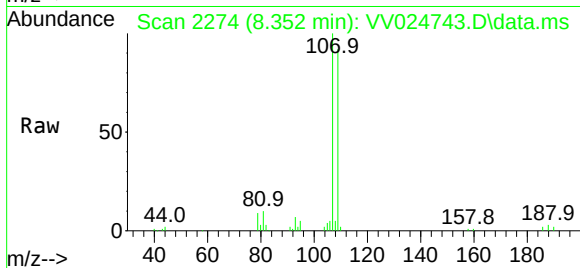
Tgt Ion:107 Resp: 41161

Ion Ratio Lower Upper

107 100

109 91.6 65.6 121.8

188 3.1 2.6 3.8



#51

Chlorobenzene

Concen: 4.916 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

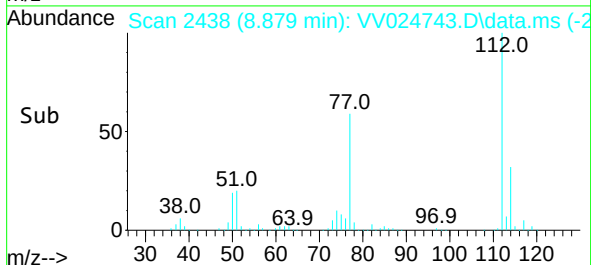
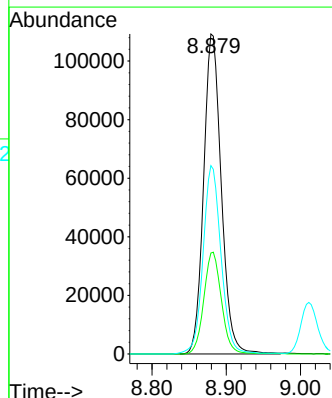
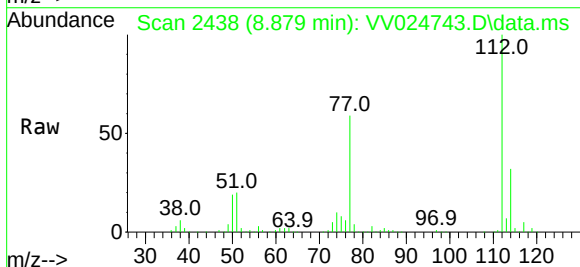
Tgt Ion:112 Resp: 180453

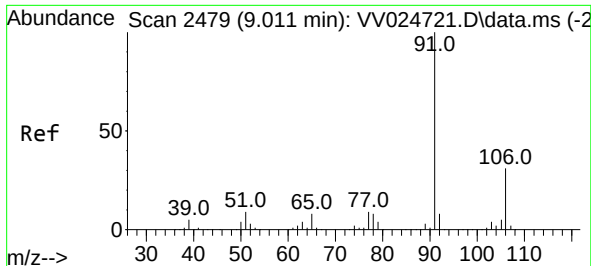
Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

77 58.8 48.4 72.6





#52

Ethylbenzene

Concen: 4.903 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

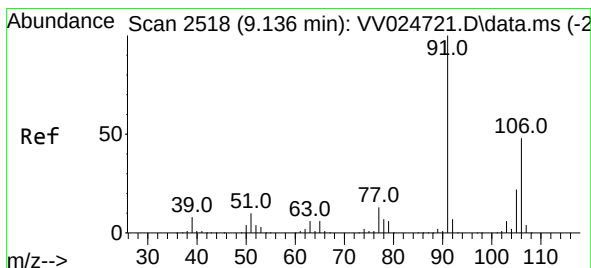
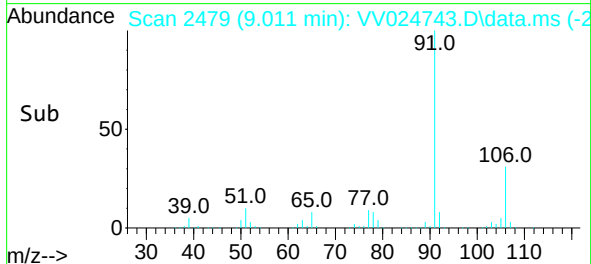
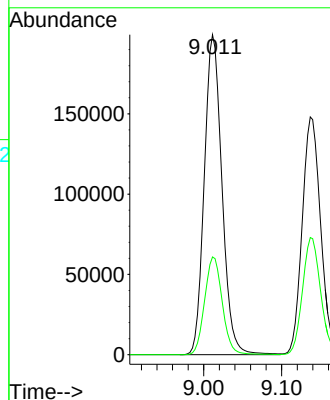
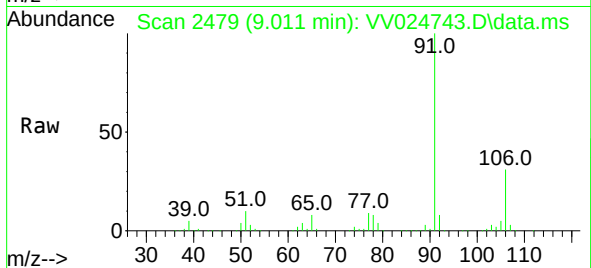
VSTD005315

Tgt Ion: 91 Resp: 313956

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.5



#53

m,p-xylene

Concen: 4.946 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV024743.D

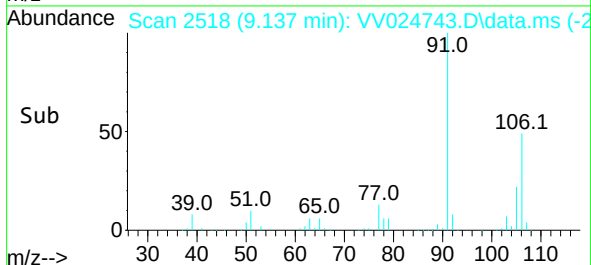
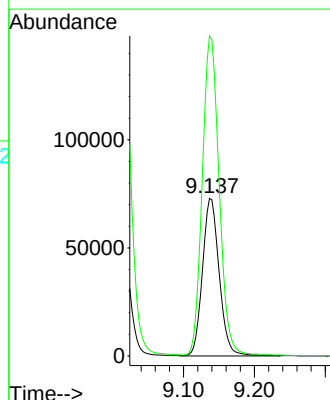
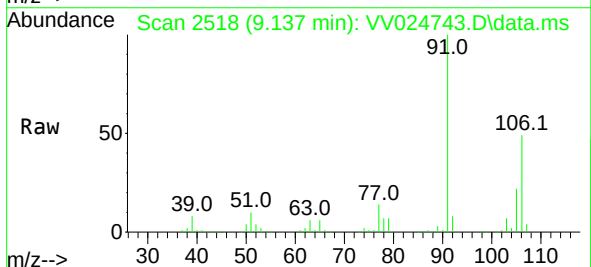
Acq: 17 Feb 2022 23:30

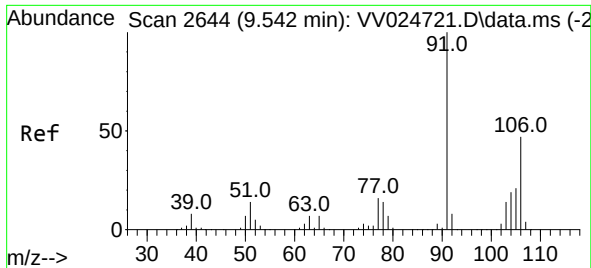
Tgt Ion: 106 Resp: 119719

Ion Ratio Lower Upper

106 100

91 203.0 143.6 266.6

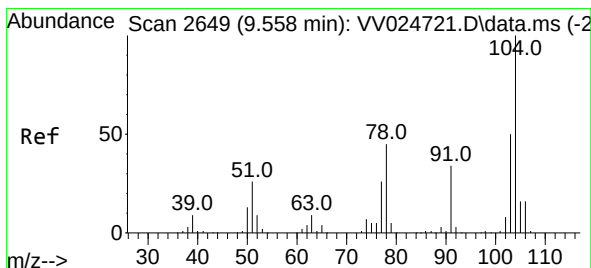
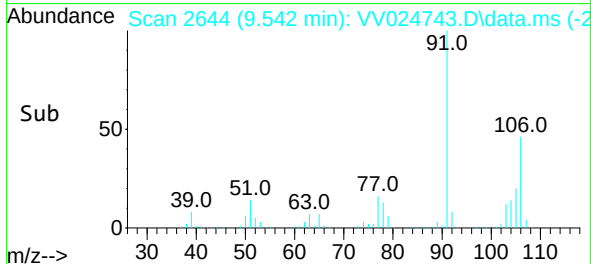
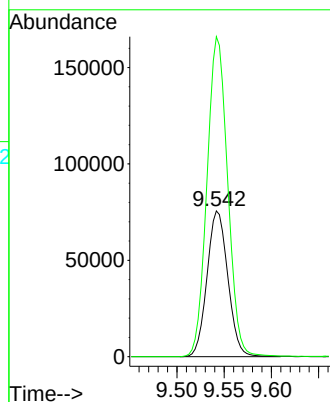
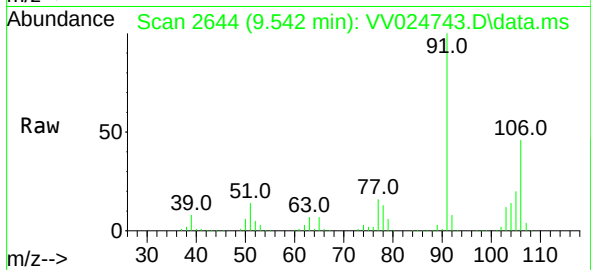




#54
o-xylene
Concen: 4.900 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

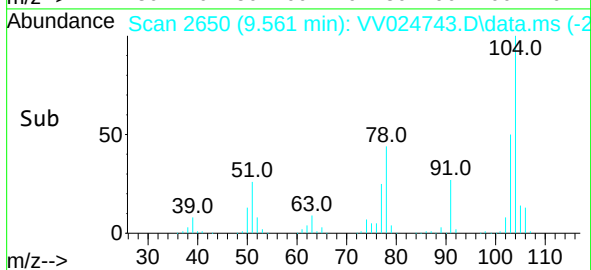
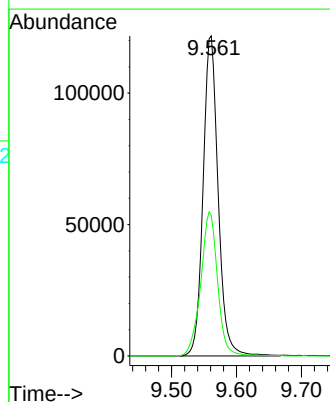
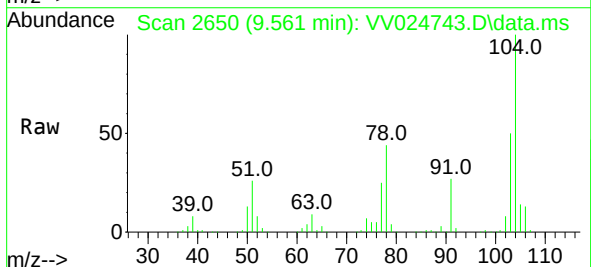
Instrument : MSVOA_V
ClientSampleId : VSTD005315

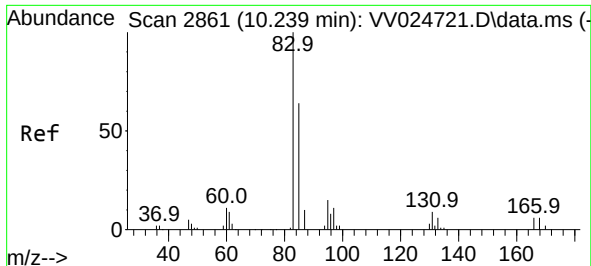
Tgt Ion:106 Resp: 115906
Ion Ratio Lower Upper
106 100
91 219.5 152.2 282.7



#55
Styrene
Concen: 5.116 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion:104 Resp: 196851
Ion Ratio Lower Upper
104 100
78 43.9 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.249 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

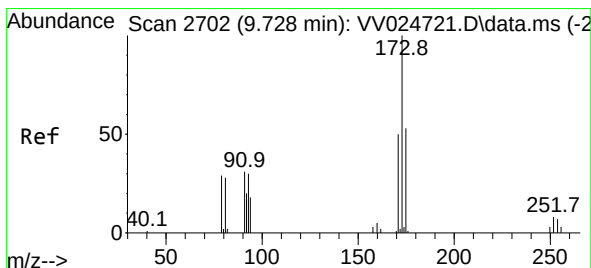
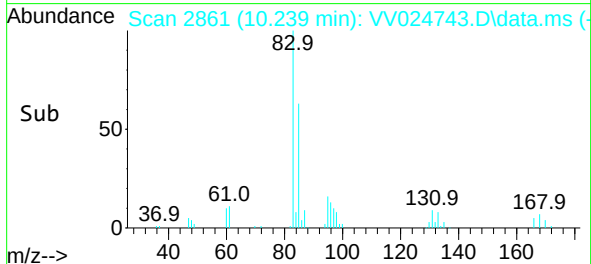
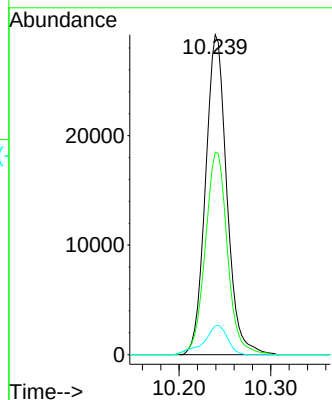
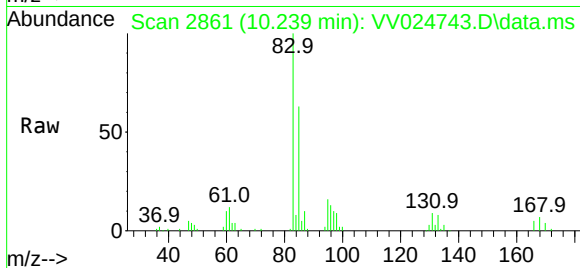
Tgt Ion: 83 Resp: 47023

Ion Ratio Lower Upper

83 100

85 63.3 43.9 81.5

131 9.0 7.0 10.4



#59

Bromoform

Concen: 5.171 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.003 min

Lab File: VV024743.D

Acq: 17 Feb 2022 23:30

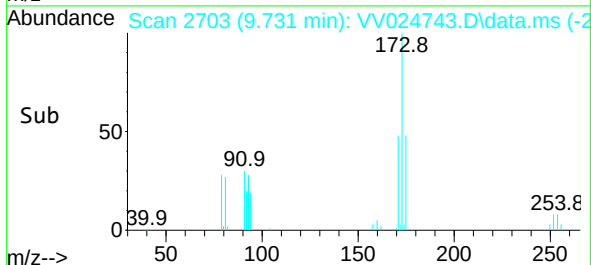
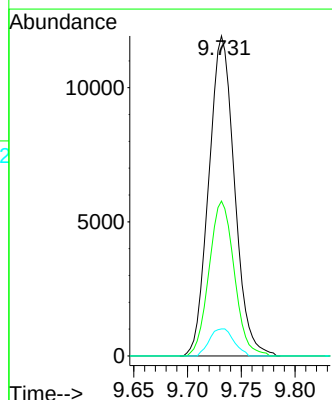
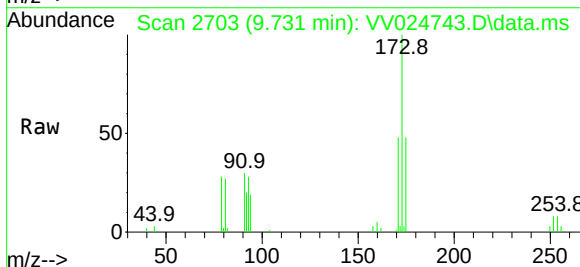
Tgt Ion: 173 Resp: 19869

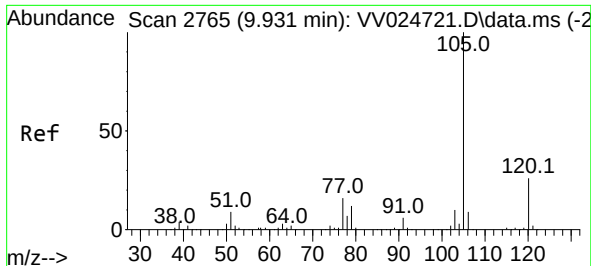
Ion Ratio Lower Upper

173 100

175 47.4 39.4 59.0

254 8.0 7.0 10.4

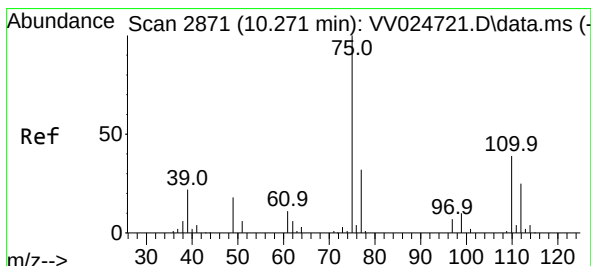
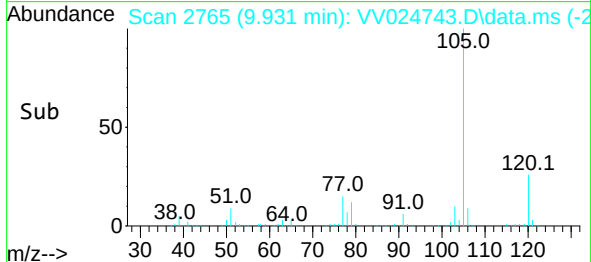
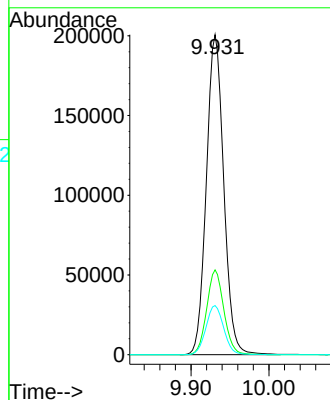
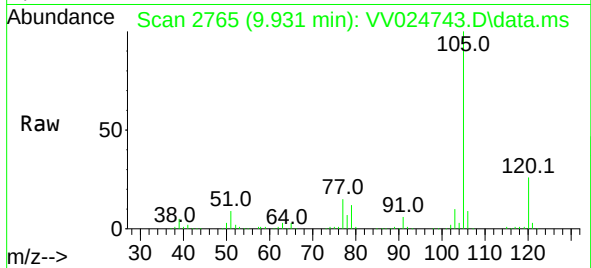




#60
Isopropylbenzene
Concen: 4.949 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

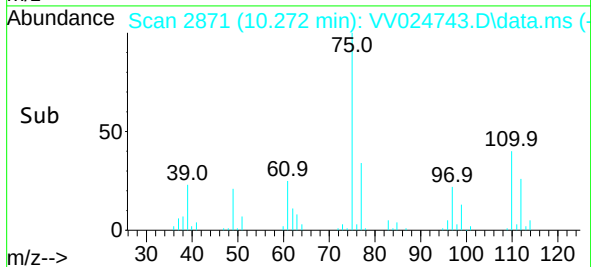
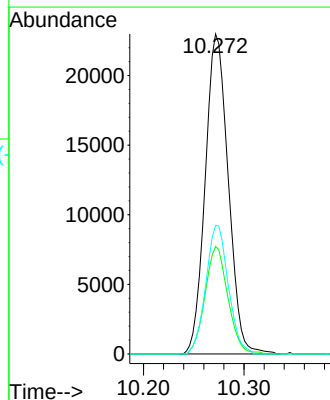
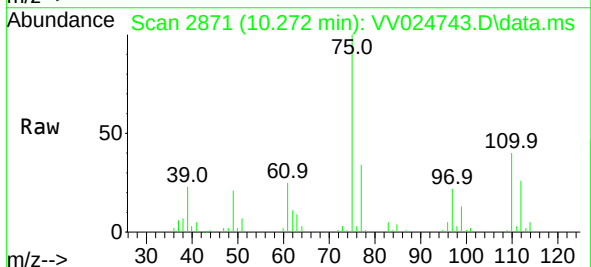
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

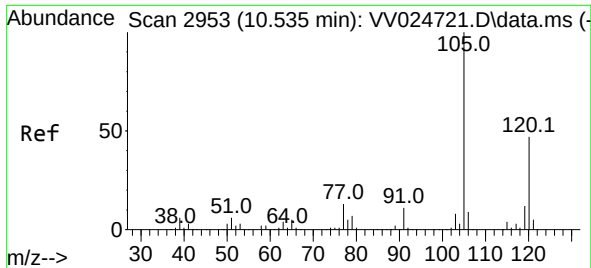
Tgt Ion:105 Resp: 310742
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 15.8 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 5.319 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion: 75 Resp: 36590
Ion Ratio Lower Upper
75 100
77 33.2 26.3 39.5
110 39.3 30.3 45.5

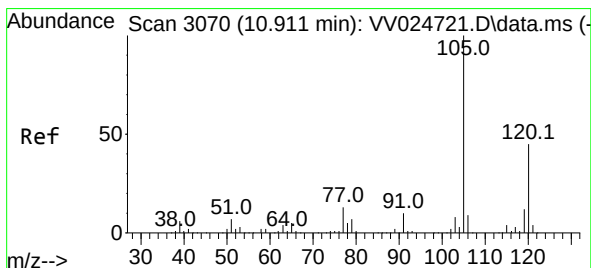
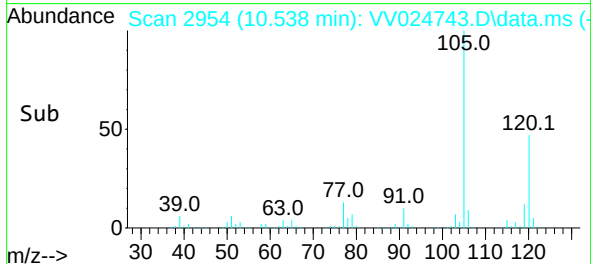
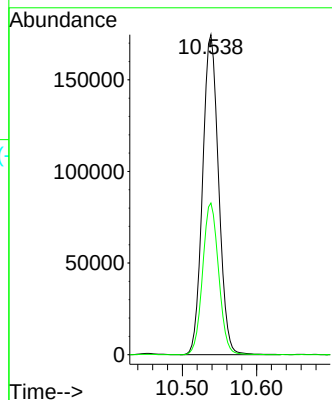
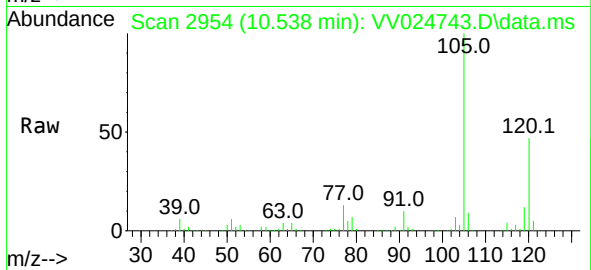




#62
1,3,5-Trimethylbenzene
Concen: 4.996 ug/L
RT: 10.538 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

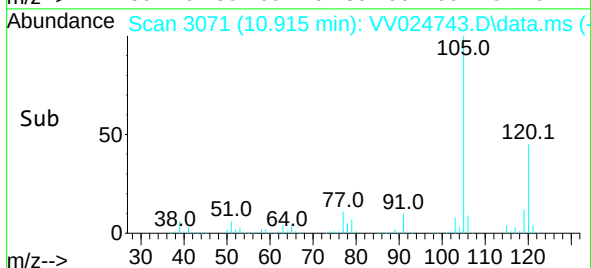
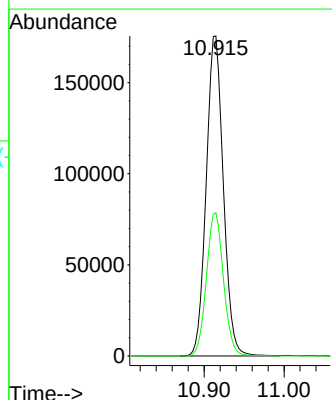
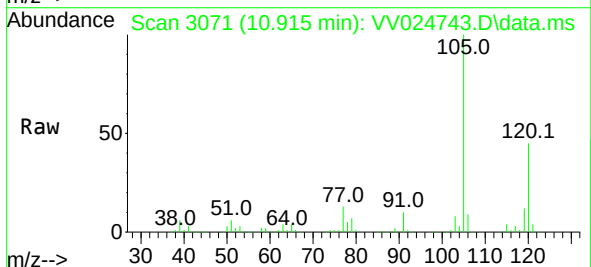
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

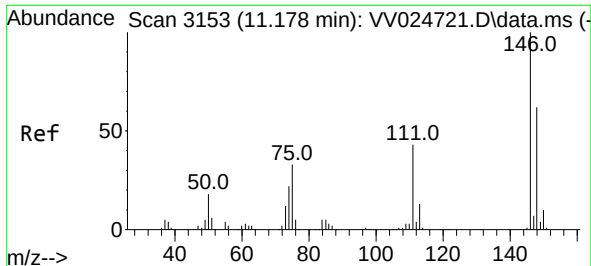
Tgt Ion:105 Resp: 261509
Ion Ratio Lower Upper
105 100
120 47.5 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 5.038 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion:105 Resp: 261740
Ion Ratio Lower Upper
105 100
120 44.7 35.9 53.9

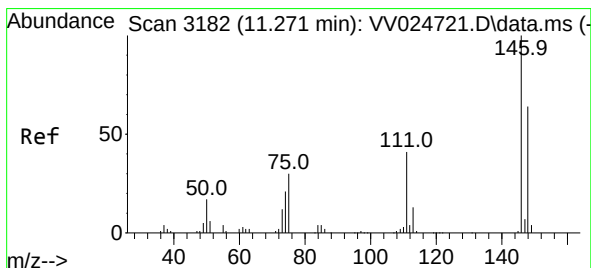
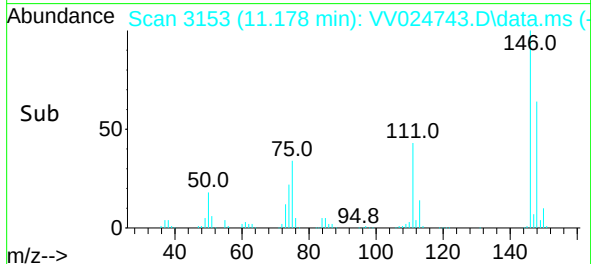
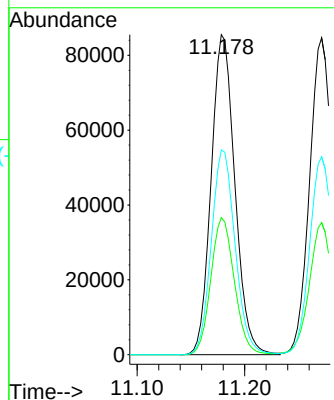
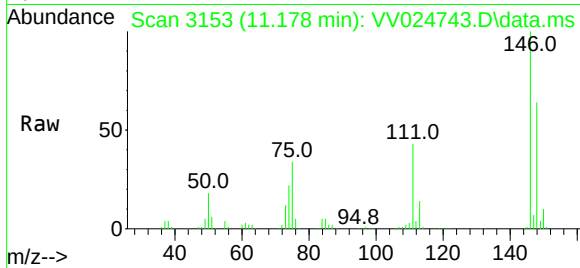




#64
1,3-Dichlorobenzene
Concen: 4.953 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

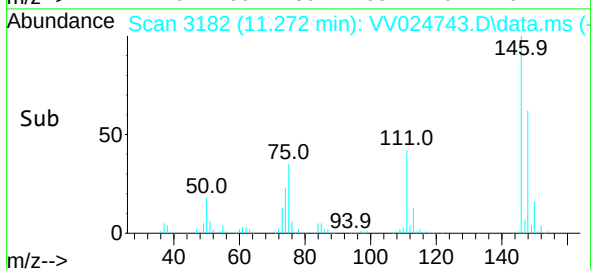
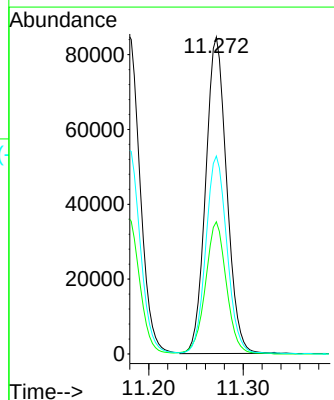
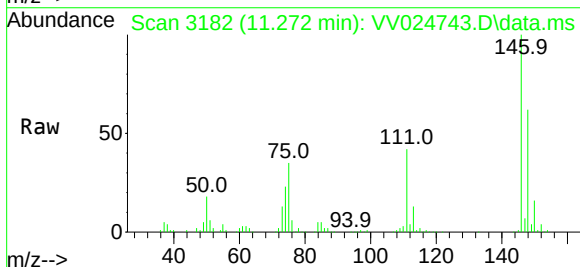
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

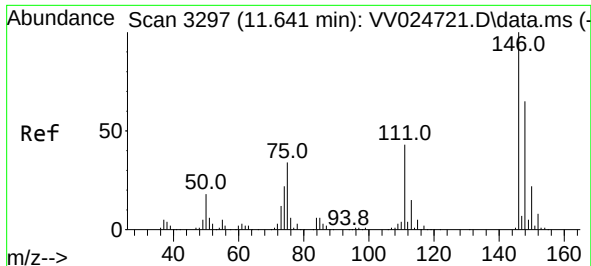
Tgt Ion:146 Resp: 131145
Ion Ratio Lower Upper
146 100
111 42.8 31.0 57.6
148 64.0 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 4.937 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion:146 Resp: 130574
Ion Ratio Lower Upper
146 100
111 41.7 28.3 52.7
148 62.4 44.0 81.8

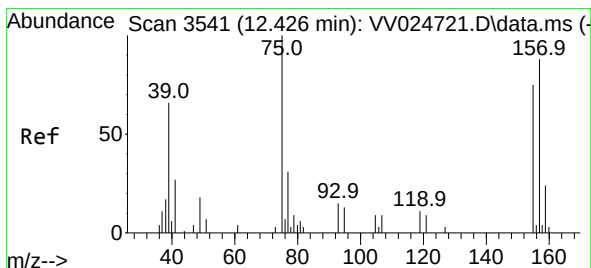
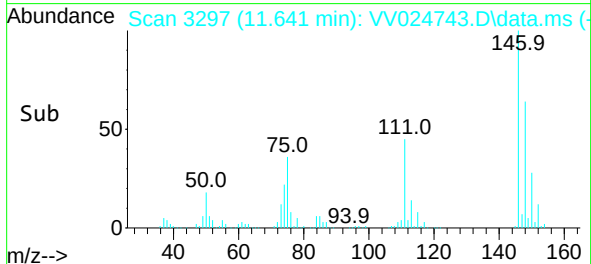
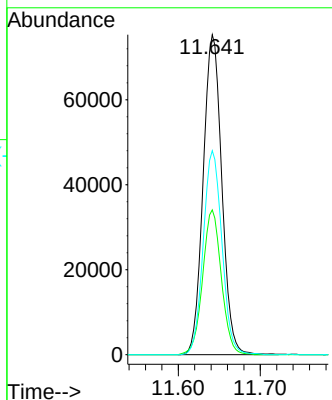
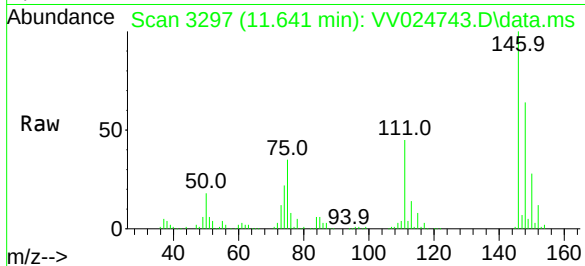




#67
 1,2-Dichlorobenzene
 Concen: 5.105 ug/L
 RT: 11.641 min Scan# 3297
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

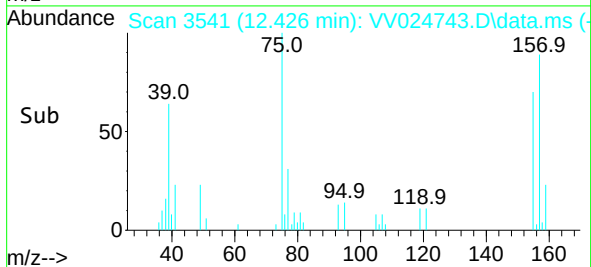
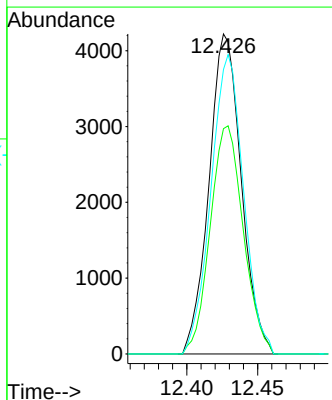
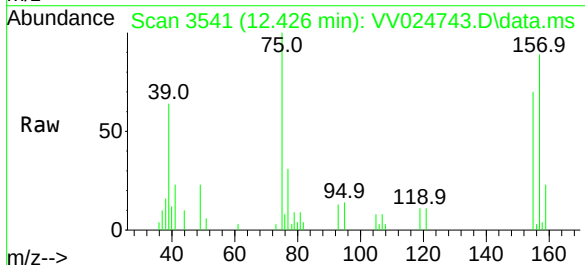
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

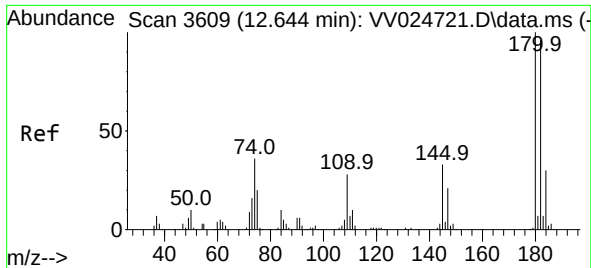
Tgt Ion:146 Resp: 119250
 Ion Ratio Lower Upper
 146 100
 111 45.3 36.0 54.0
 148 63.8 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.696 ug/L
 RT: 12.426 min Scan# 3541
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

Tgt Ion: 75 Resp: 6699
 Ion Ratio Lower Upper
 75 100
 155 70.4 61.7 92.5
 157 88.9 73.5 110.3

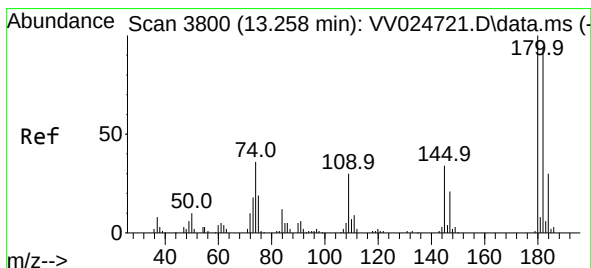
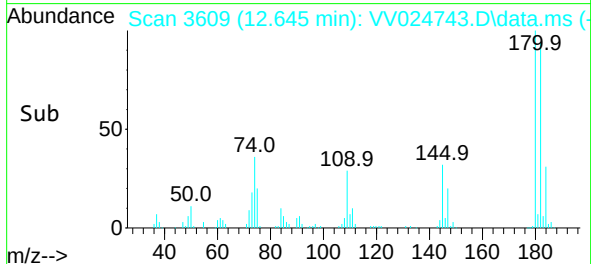
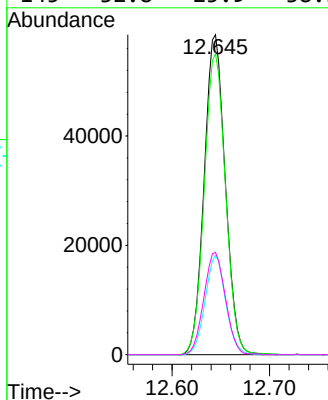
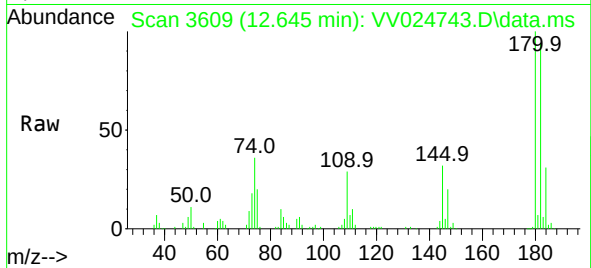




#69
 1,3,5-Trichlorobenzene
 Concen: 4.677 ug/L
 RT: 12.645 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

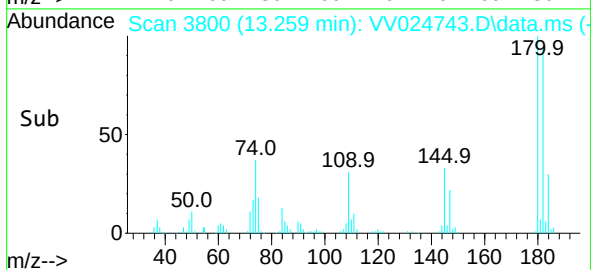
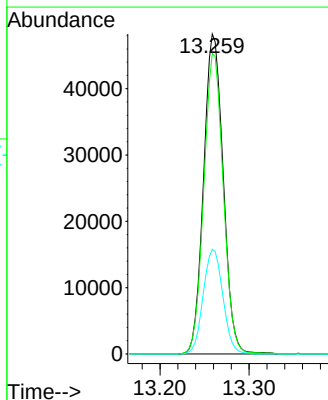
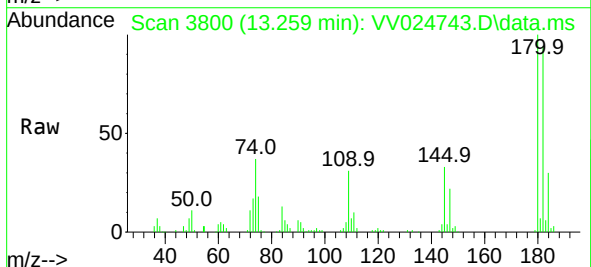
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

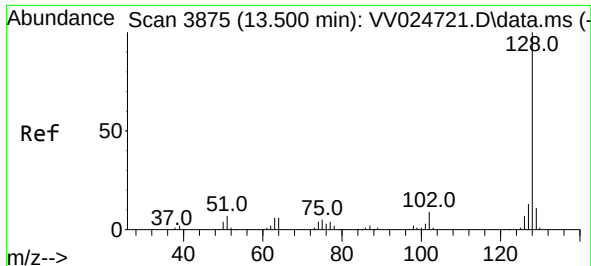
Tgt Ion:180	Resp:	87827
Ion Ratio	Lower	Upper
180	100	
182	95.1	74.6 111.8
184	30.3	23.8 35.8
145	32.8	25.9 38.9



#70
 1,2,4-trichlorobenzene
 Concen: 4.977 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV024743.D
 Acq: 17 Feb 2022 23:30

Tgt Ion:180	Resp:	73621
Ion Ratio	Lower	Upper
180	100	
182	93.6	75.0 112.6
145	32.8	26.9 40.3

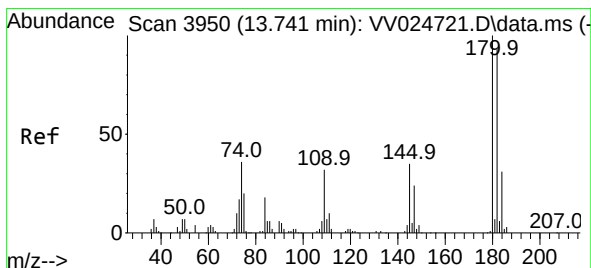
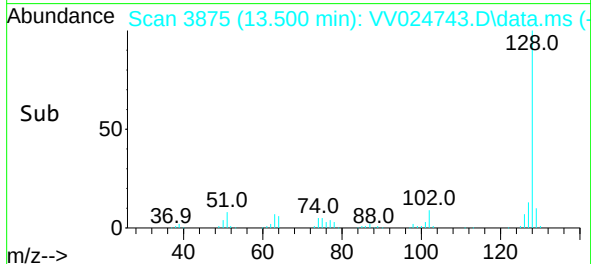
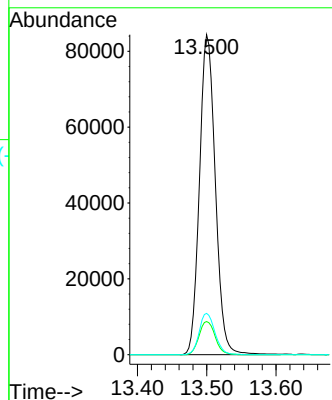
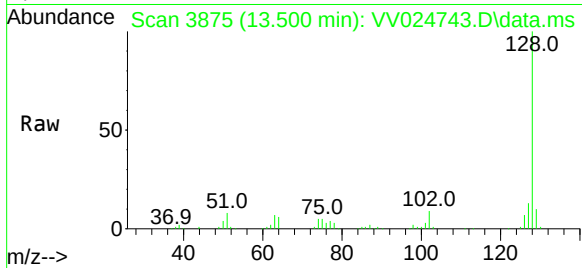




#71
Naphthalene
Concen: 5.336 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

Tgt Ion:128 Resp: 134246
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.100 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV024743.D
Acq: 17 Feb 2022 23:30

Tgt Ion:180 Resp: 63146
Ion Ratio Lower Upper
180 100
182 94.3 75.6 113.4
145 35.1 28.5 42.7

