

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022822\
 Data File : VW024829.D
 Acq On : 28 Feb 2022 10:21
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005207

Quant Time: Mar 01 01:21:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 01 01:20:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	325863	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	314695	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	152503	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	16586	6.669	ug/L	0.00
7) Chloroethane-d5	1.568	69	13289	6.211	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.111	63	27769	5.796	ug/L	0.00
21) 2-Butanone-d5	3.912	46	12002	7.528	ug/L	0.02
24) Chloroform-d	4.349	84	27080	5.993	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.034	65	15777	5.562	ug/L	0.00
32) Benzene-d6	5.050	84	53809	5.708	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	16742	5.618	ug/L	0.00
41) Toluene-d8	7.313	98	46231	5.348	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.625	79	6395	4.224	ug/L	0.00
47) 2-Hexanone-d5	8.092	63	10400	8.453	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	18971	5.330	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	16236	5.421	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	16472	6.467	ug/L	100
3) Chloromethane	1.243	50	17395	6.808	ug/L	99
5) Vinyl chloride	1.314	62	17193	6.341	ug/L	100
6) Bromomethane	1.523	94	10414	6.288	ug/L	97
8) Chloroethane	1.587	64	10645	5.904	ug/L	96
9) Trichlorofluoromethane	1.754	101	22722	5.886	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	13356	6.345	ug/L	99
12) 1,1-Dichloroethene	2.118	96	12651	6.230	ug/L	94
13) Acetone	2.185	43	17706	11.554	ug/L	96
14) Carbon disulfide	2.294	76	36372	6.287	ug/L	100
15) Methyl Acetate	2.439	43	11679	5.294	ug/L	96
16) Methylene chloride	2.507	84	14715	6.462	ug/L	97
17) trans-1,2-Dichloroethene	2.761	96	13030	6.179	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	38511	5.404	ug/L	97
19) 1,1-Dichloroethane	3.191	63	23488	5.828	ug/L	98
20) cis-1,2-Dichloroethene	3.915	96	14017	5.968	ug/L	100
22) 2-Butanone	3.995	43	16343	9.223	ug/L #	73
23) Bromochloromethane	4.252	128	7150	6.262	ug/L	96
25) Chloroform	4.375	83	25713	6.165	ug/L	98
27) 1,2-Dichloroethane	5.130	62	16698	5.216	ug/L	99
29) Cyclohexane	4.674	56	20619	5.445	ug/L	98
30) 1,1,1-Trichloroethane	4.606	97	21294	5.542	ug/L	98
31) Carbon tetrachloride	4.825	117	18184	5.706	ug/L	97
33) Benzene	5.098	78	53181	5.692	ug/L	100
34) Trichloroethene	5.912	95	14886	5.710	ug/L	95
35) Methylcyclohexane	6.124	83	22553	5.697	ug/L	98
37) 1,2-Dichloropropane	6.172	63	12931	5.303	ug/L	99
38) Bromodichloromethane	6.510	83	17212	5.121	ug/L #	97
39) cis-1,3-Dichloropropene	7.027	75	18268	4.646	ug/L	98
40) 4-Methyl-2-pentanone	7.227	43	30501	9.315	ug/L	97
42) Toluene	7.387	91	55152	5.550	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	16025	4.235	ug/L	97

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 QLast Update : Tue Mar 01 01:20:32 2022
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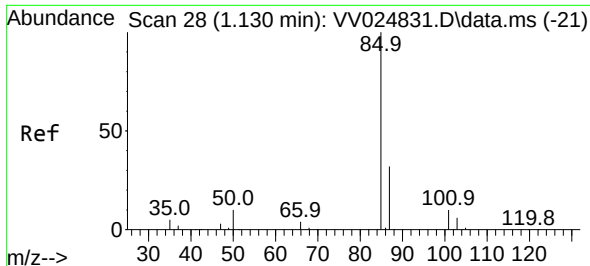
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.838	97	13146	5.628	ug/L	96
46) Tetrachloroethene	7.973	164	9641	6.139	ug/L	95
48) 2-Hexanone	8.143	43	24233	8.874	ug/L	96
49) Dibromochloromethane	8.243	129	11388	4.689	ug/L	98
50) 1,2-Dibromoethane	8.352	107	13035	5.382	ug/L #	96
51) Chlorobenzene	8.879	112	35585	5.727	ug/L	98
52) Ethylbenzene	9.011	91	56956	5.208	ug/L	99
53) m,p-Xylene	9.137	106	22113	5.379	ug/L	98
54) o-Xylene	9.542	106	20760	5.083	ug/L	98
55) Styrene	9.561	104	34985	5.041	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	17593	5.311	ug/L	96
59) Bromoform	9.728	173	6127	4.218	ug/L #	96
60) Isopropylbenzene	9.927	105	54933	4.992	ug/L	98
61) 1,2,3-Trichloropropane	10.272	75	15722	5.214	ug/L	100
62) 1,3,5-Trimethylbenzene	10.535	105	35051	3.892	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	42534	4.515	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	24310	5.355	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	26250	5.687	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	25142	5.526	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.429	75	3148	4.045	ug/L	93
69) 1,3,5-Trichlorobenzene	12.641	180	16610	5.488	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	13685	5.102	ug/L	99
71) Naphthalene	13.500	128	39201	4.057	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	13337	5.071	ug/L	98

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

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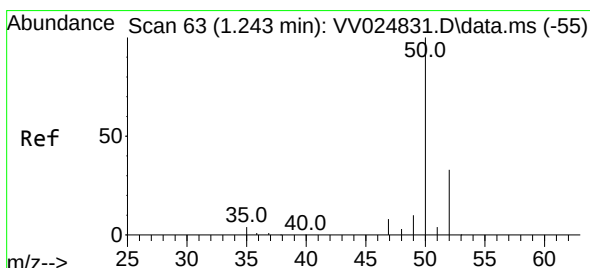
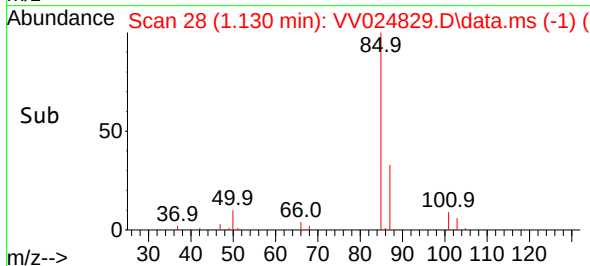
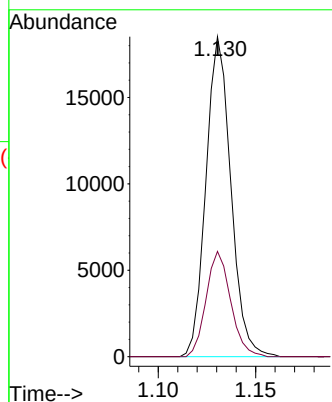
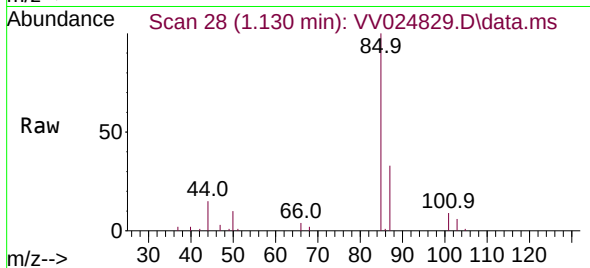




#2
 Dichlorodifluoromethane
 Concen: 6.467 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

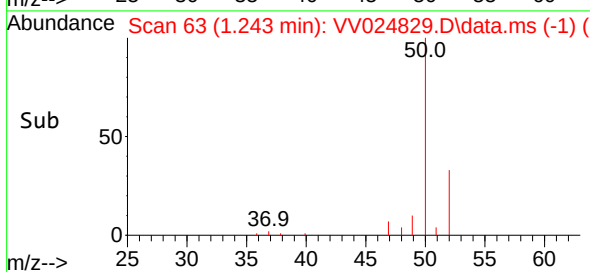
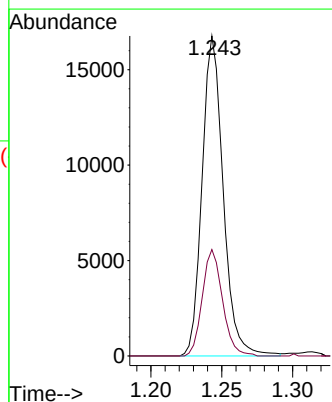
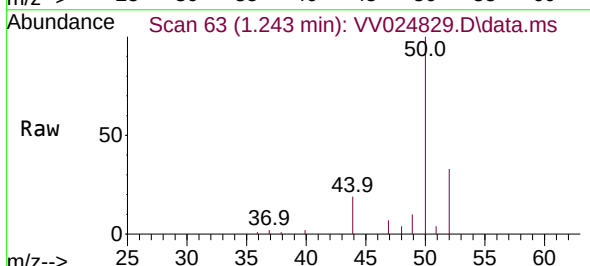
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005207

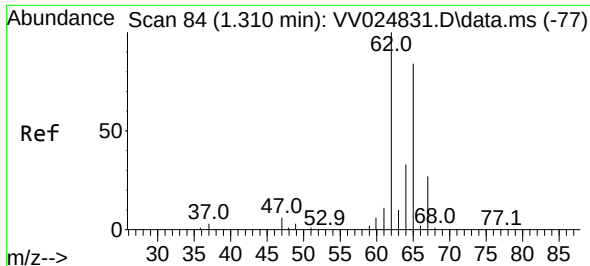
Tgt Ion: 85 Resp: 16472
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.8



#3
 Chloromethane
 Concen: 6.808 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

Tgt Ion: 50 Resp: 17395
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4

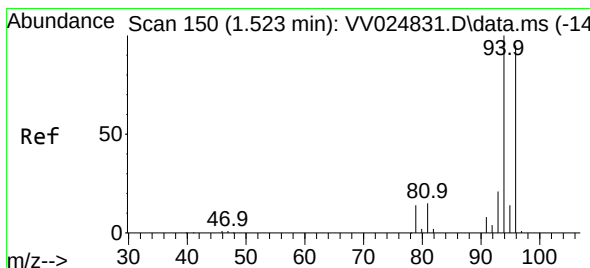
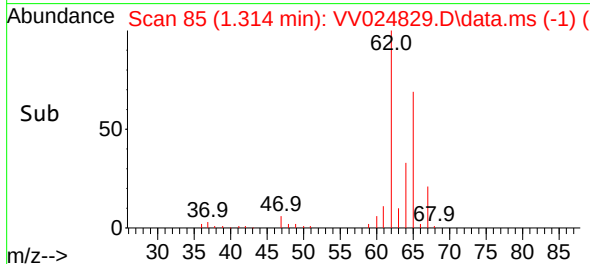
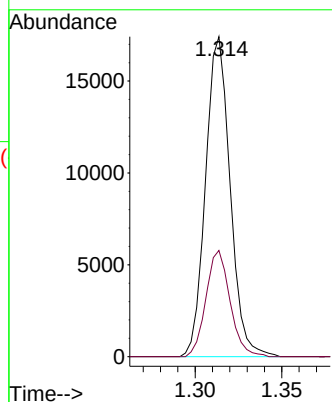
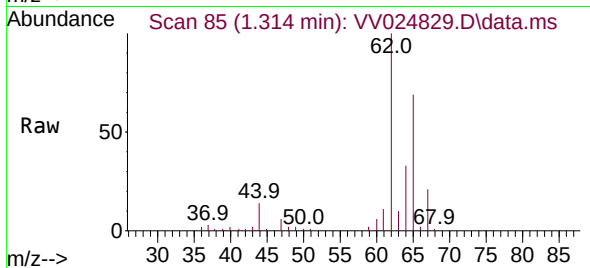




#5
 Vinyl chloride
 Concen: 6.341 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

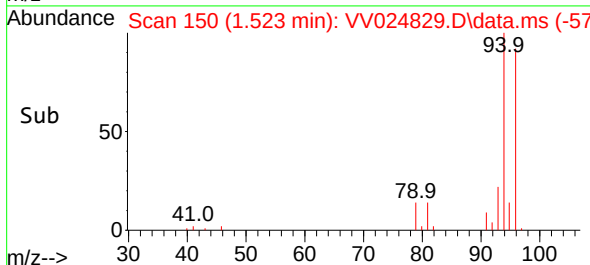
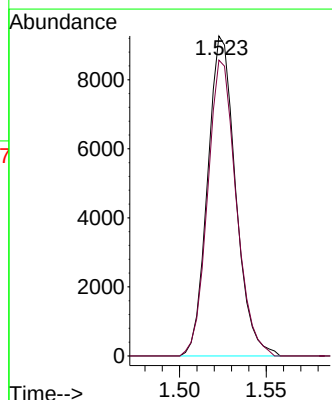
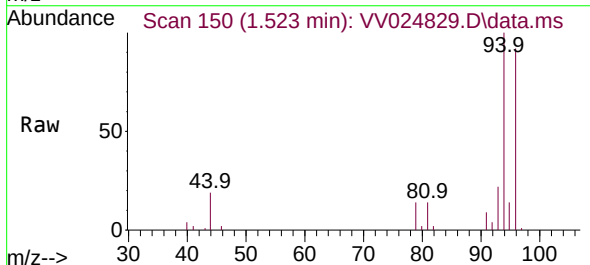
Instrument :
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 ClientSampleId :
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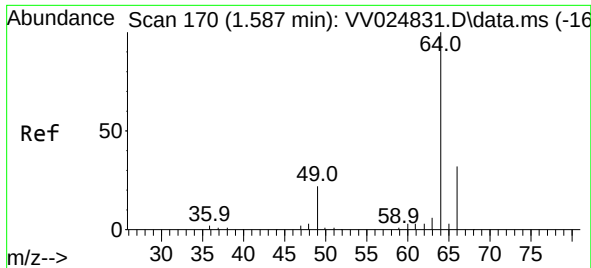
Tgt Ion: 62 Resp: 17193
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.0



#6
 Bromomethane
 Concen: 6.288 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

Tgt Ion: 94 Resp: 10414
 Ion Ratio Lower Upper
 94 100
 96 92.4 66.7 123.9

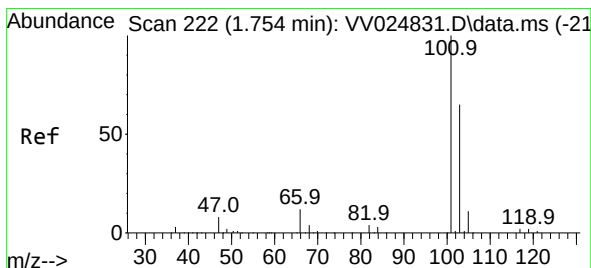
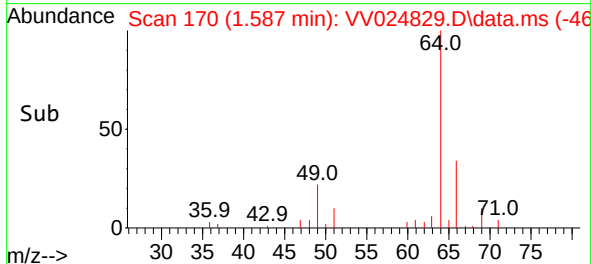
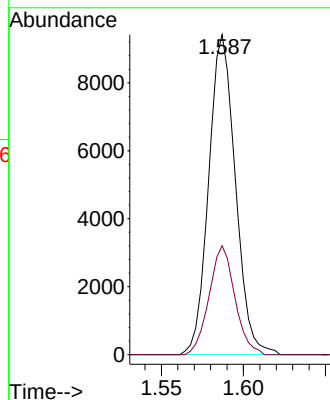
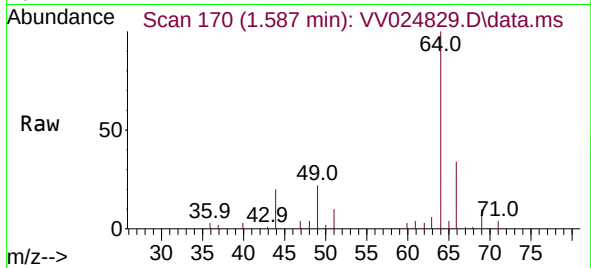




#8
Chloroethane
Concen: 5.904 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

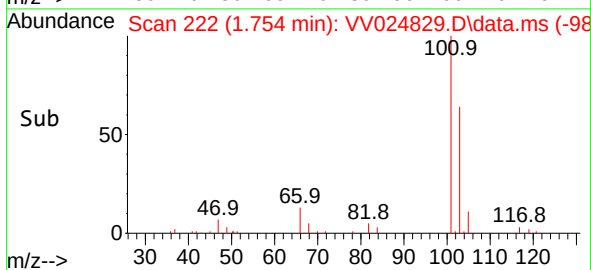
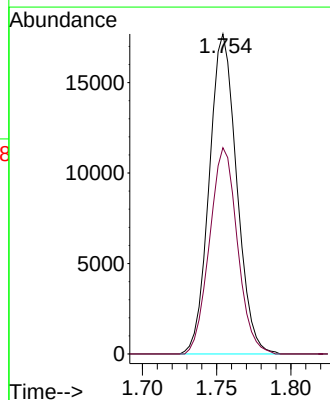
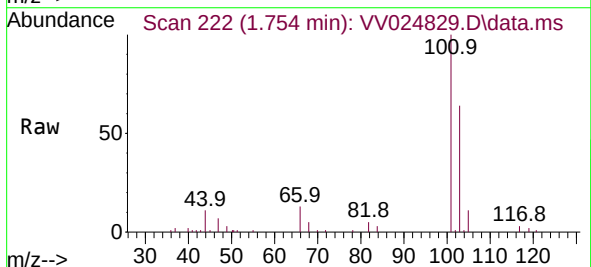
Instrument :
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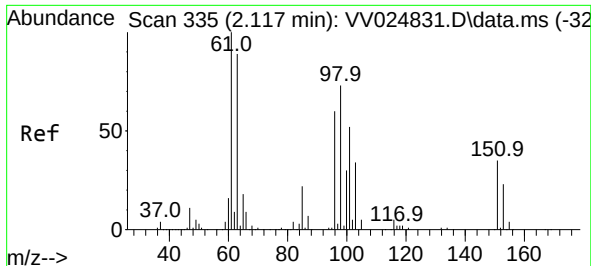
Tgt Ion: 64 Resp: 10645
Ion Ratio Lower Upper
64 100
66 34.1 22.2 41.2



#9
Trichlorofluoromethane
Concen: 5.886 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion:101 Resp: 22722
Ion Ratio Lower Upper
101 100
103 65.5 52.1 78.1

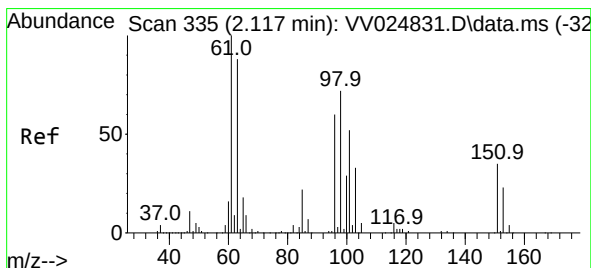
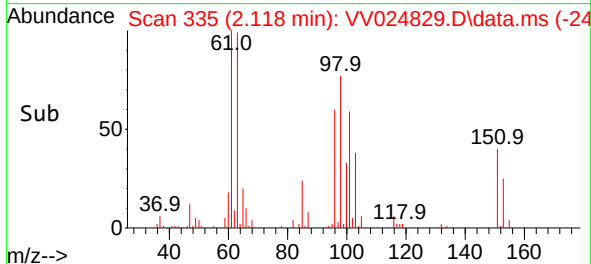
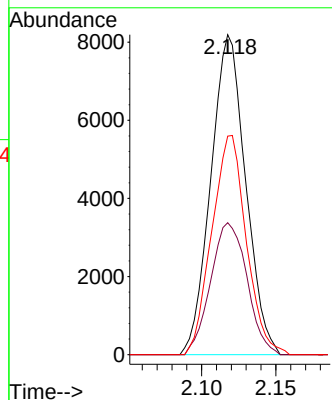
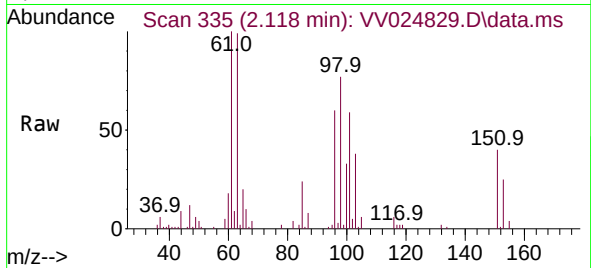




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.345 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

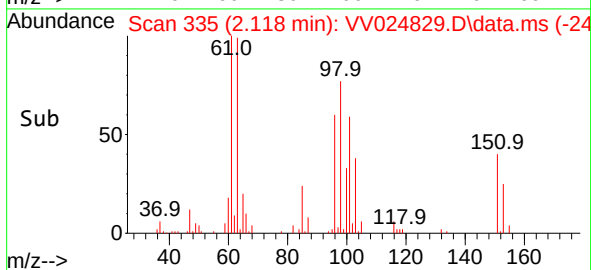
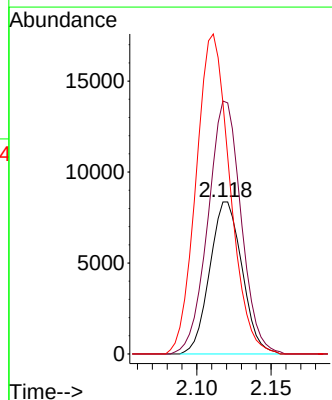
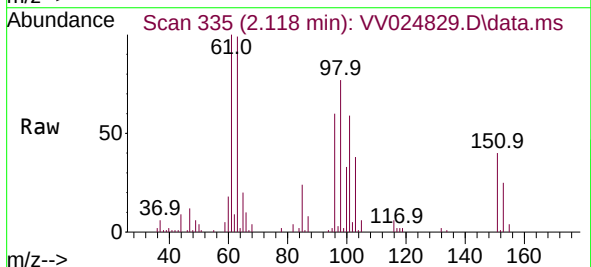
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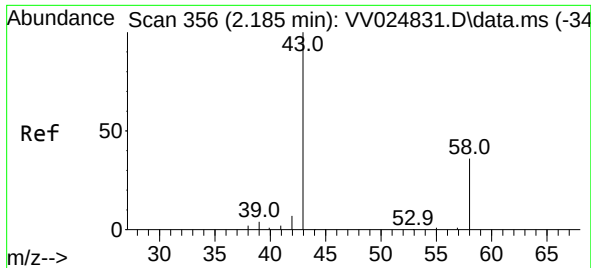
Tgt Ion:101 Resp: 13356
 Ion Ratio Lower Upper
 101 100
 85 43.1 33.8 50.8
 151 67.8 54.1 81.1



#12
 1,1-Dichloroethene
 Concen: 6.230 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

Tgt Ion: 96 Resp: 12651
 Ion Ratio Lower Upper
 96 100
 61 166.4 117.6 218.4
 63 165.3 105.3 195.5





#13

Acetone

Concen: 11.554 ug/L

RT: 2.185 min Scan# 356

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

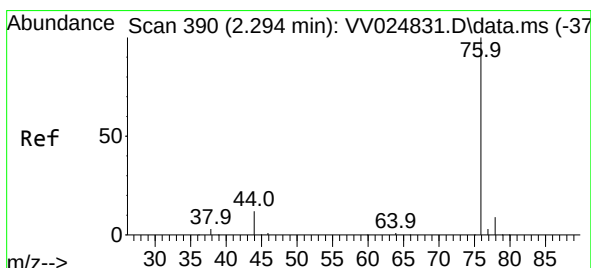
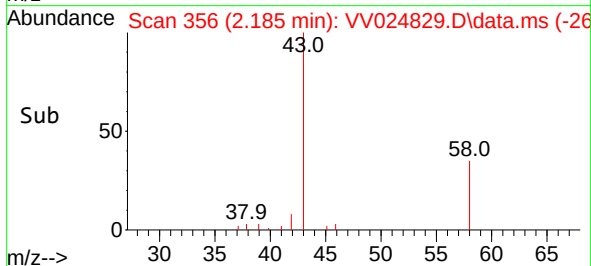
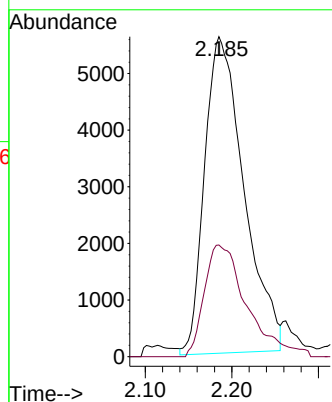
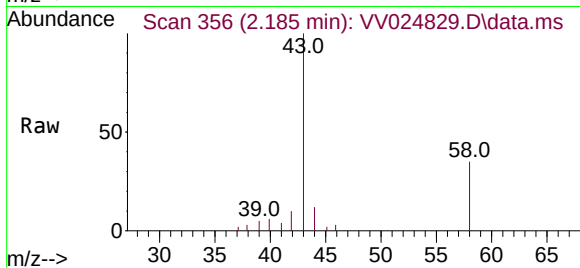
VSTD005207

Tgt Ion: 43 Resp: 17706

Ion Ratio Lower Upper

43 100

58 37.5 0.0 70.0



#14

Carbon disulfide

Concen: 6.287 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV024829.D

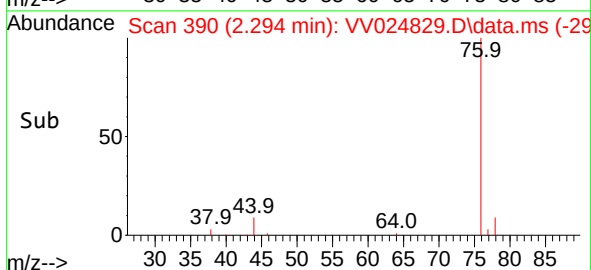
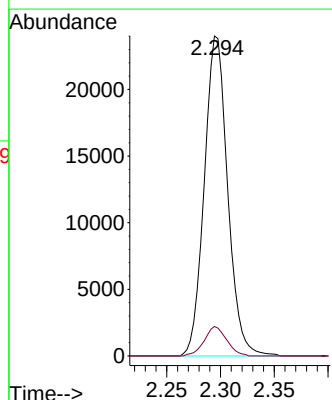
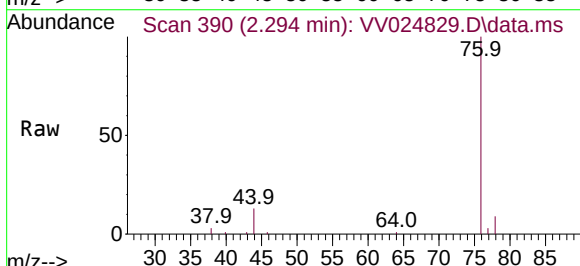
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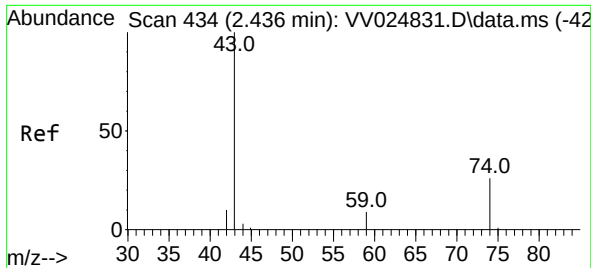
Tgt Ion: 76 Resp: 36372

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 5.294 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

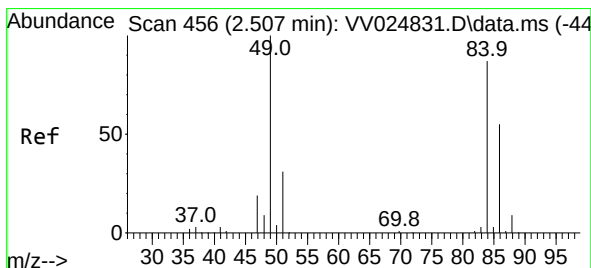
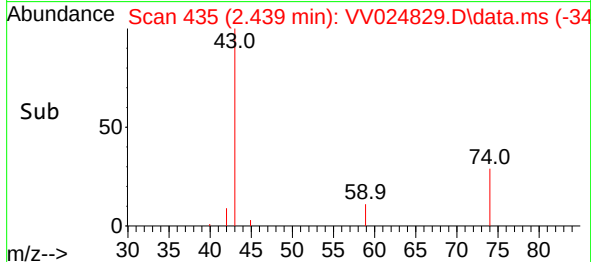
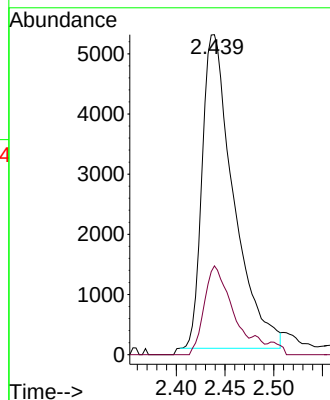
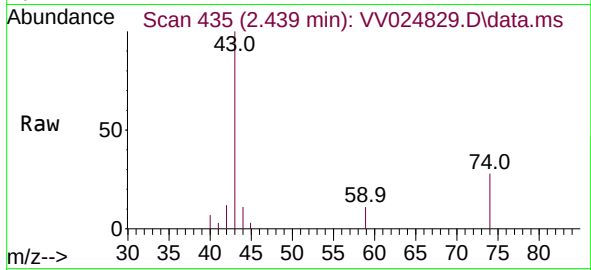
VSTD005207

Tgt Ion: 43 Resp: 11679

Ion Ratio Lower Upper

43 100

74 24.3 21.0 31.4



#16

Methylene chloride

Concen: 6.462 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

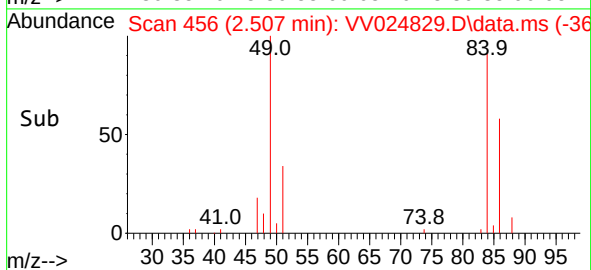
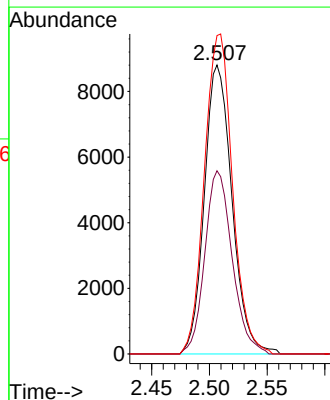
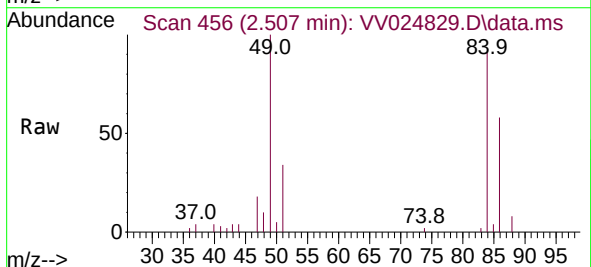
Tgt Ion: 84 Resp: 14715

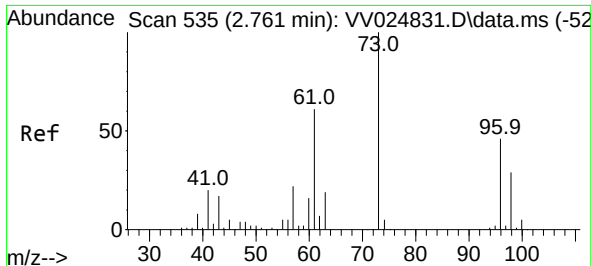
Ion Ratio Lower Upper

84 100

86 63.4 44.3 82.3

49 110.2 80.7 149.9

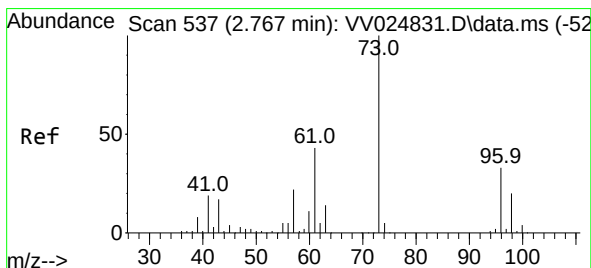
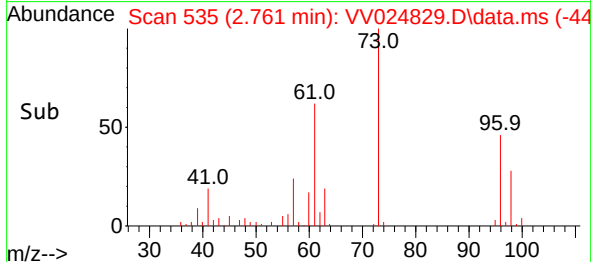
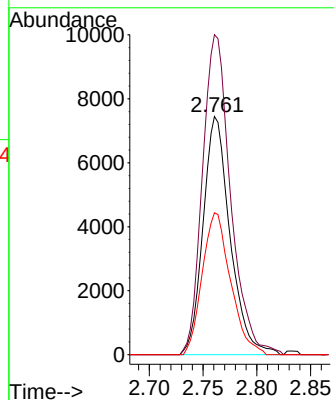
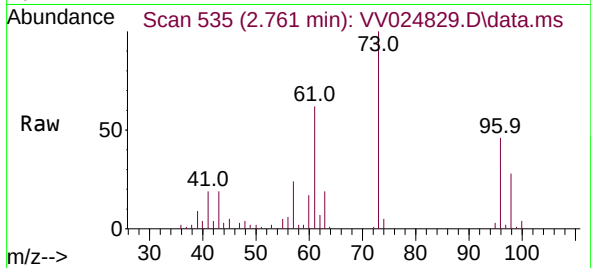




#17
trans-1,2-Dichloroethene
Concen: 6.179 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

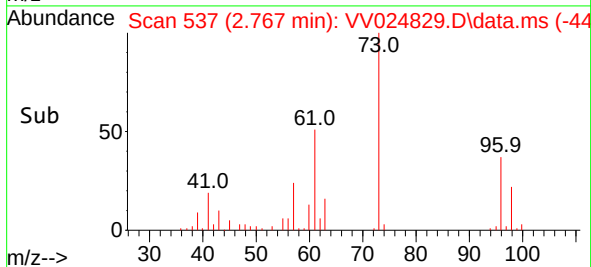
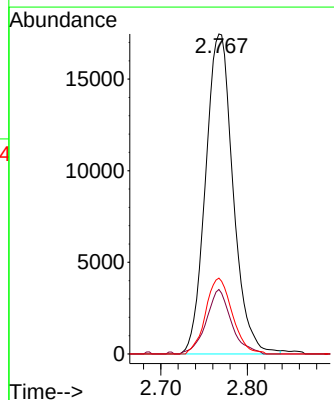
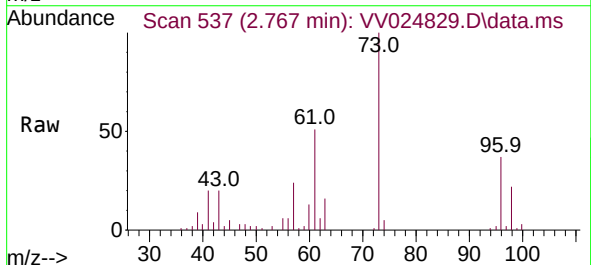
Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

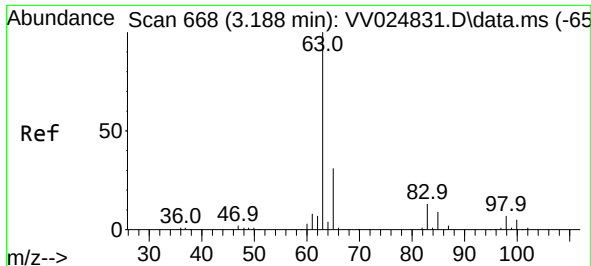
Tgt Ion: 96 Resp: 13030
Ion Ratio Lower Upper
96 100
61 134.3 93.7 173.9
98 59.6 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 5.404 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion: 73 Resp: 38511
Ion Ratio Lower Upper
73 100
43 18.4 13.6 20.4
57 22.9 17.4 26.2





#19

1,1-Dichloroethane

Concen: 5.828 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD005207

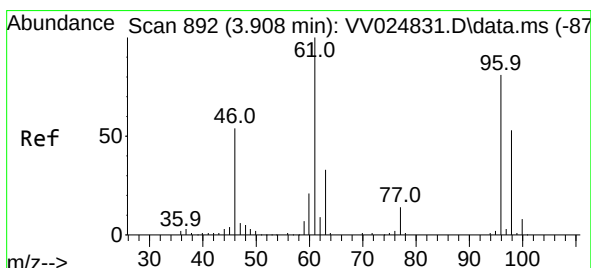
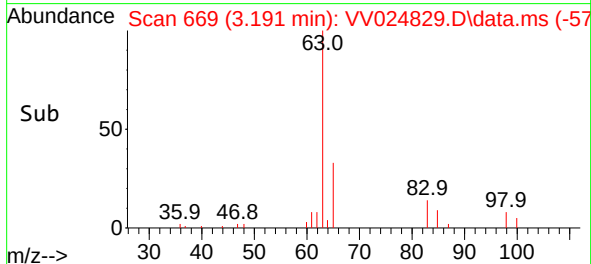
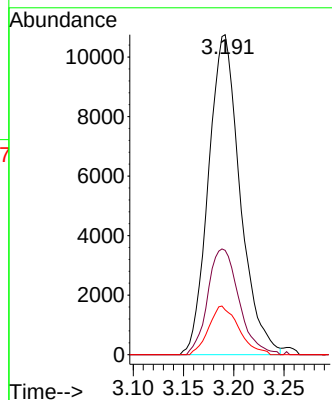
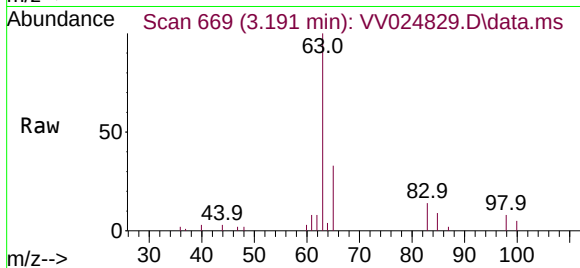
Tgt Ion: 63 Resp: 23488

Ion Ratio Lower Upper

63 100

65 32.6 22.0 40.8

83 14.0 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 5.968 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.006 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

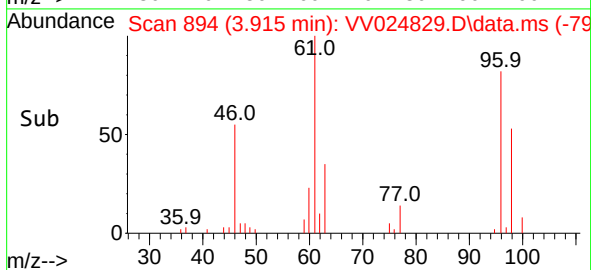
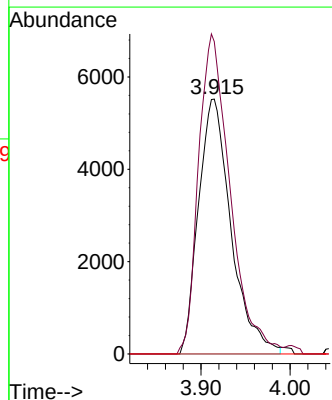
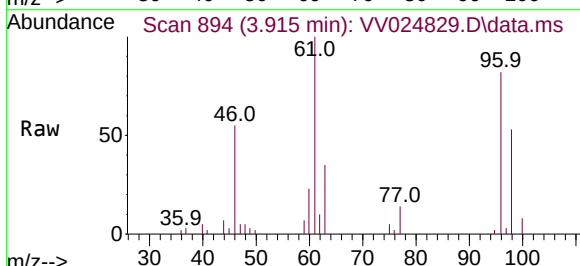
Tgt Ion: 96 Resp: 14017

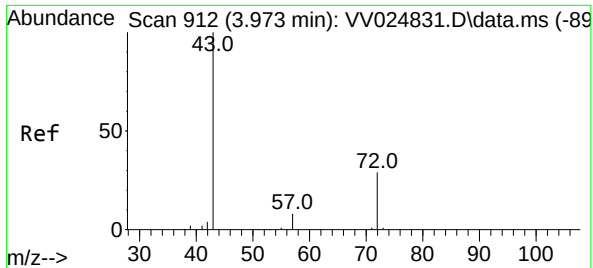
Ion Ratio Lower Upper

96 100

61 122.5 86.1 159.9

68 0.0 0.0 0.0

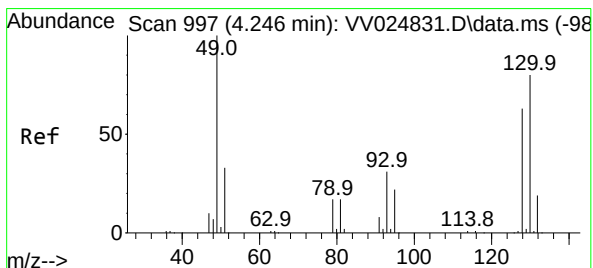
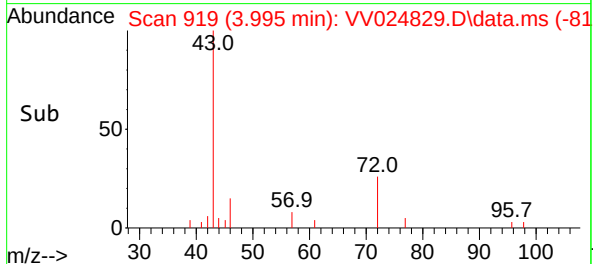
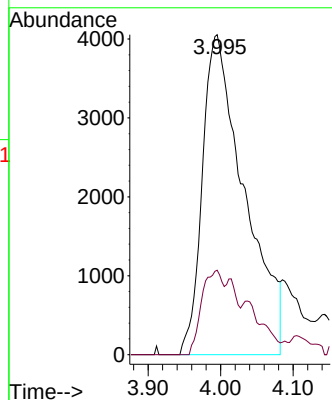
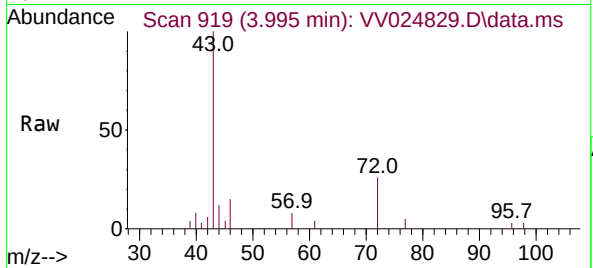




#22
2-Butanone
Concen: 9.223 ug/L
RT: 3.995 min Scan# 912
Delta R.T. 0.023 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

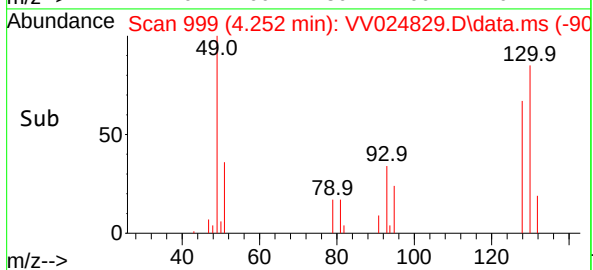
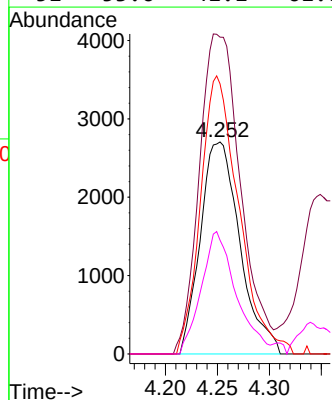
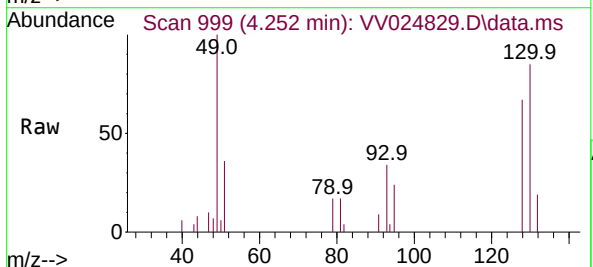
Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

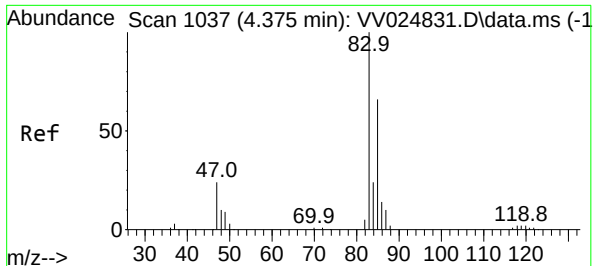
Tgt Ion: 43 Resp: 16343
Ion Ratio Lower Upper
43 100
72 13.4 13.9 41.6#



#23
Bromochloromethane
Concen: 6.262 ug/L
RT: 4.252 min Scan# 999
Delta R.T. 0.006 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion:128 Resp: 7150
Ion Ratio Lower Upper
128 100
49 149.5 110.9 205.9
130 127.4 88.5 164.3
51 53.6 41.1 61.7





#25

Chloroform

Concen: 6.165 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

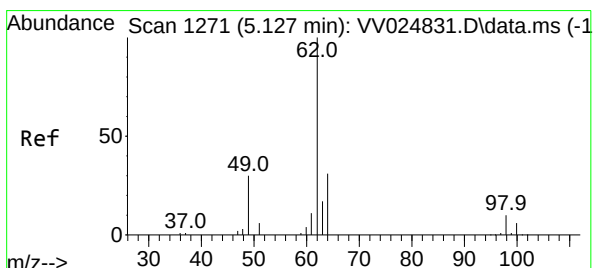
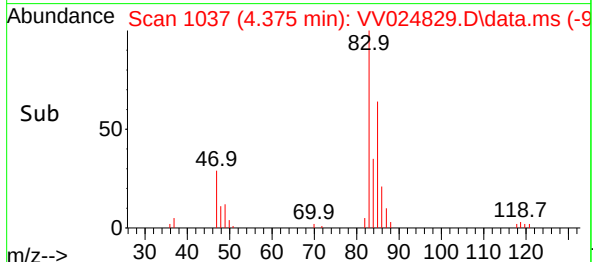
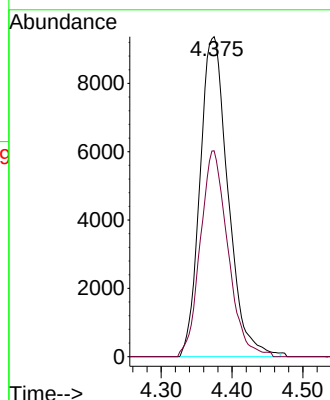
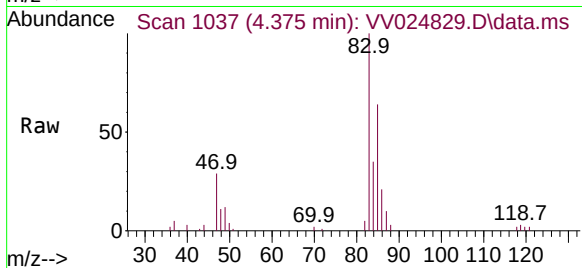
VSTD005207

Tgt Ion: 83 Resp: 25713

Ion Ratio Lower Upper

83 100

85 64.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 5.216 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV024829.D

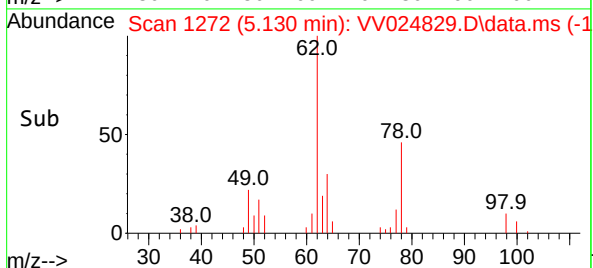
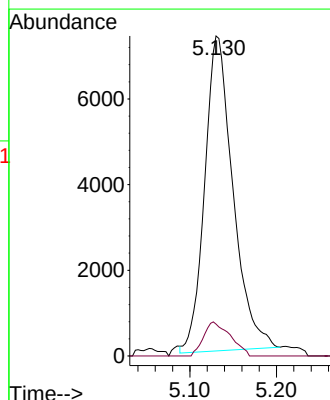
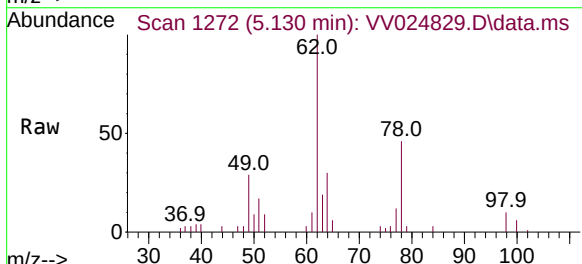
Acq: 28 Feb 2022 10:21

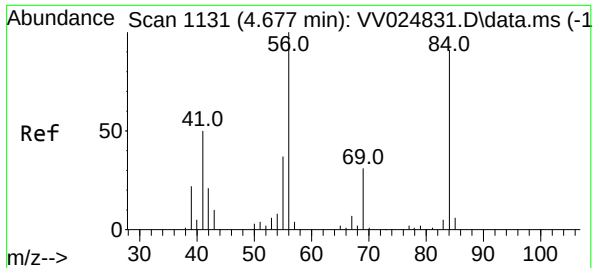
Tgt Ion: 62 Resp: 16698

Ion Ratio Lower Upper

62 100

98 9.9 8.2 12.4





#29

Cyclohexane

Concen: 5.445 ug/L

RT: 4.674 min Scan# 1131

Delta R.T. -0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD005207

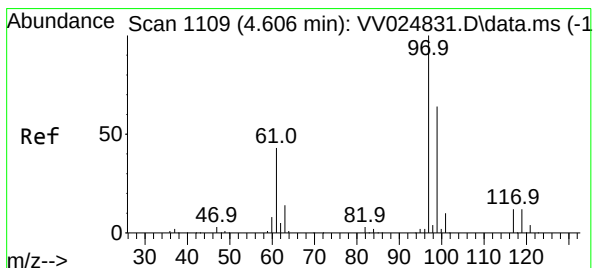
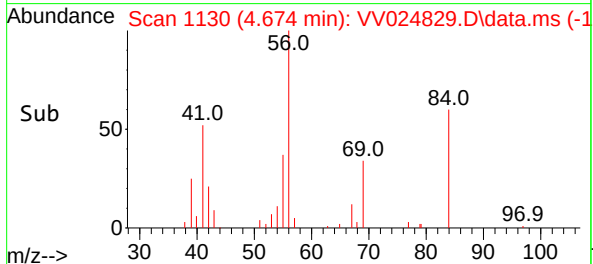
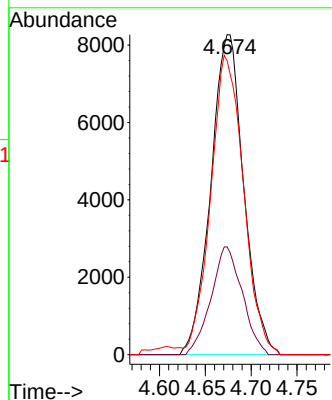
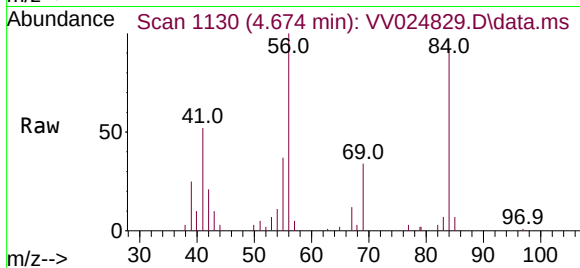
Tgt Ion: 56 Resp: 20619

Ion Ratio Lower Upper

56 100

69 32.0 25.0 37.6

84 93.4 73.4 110.2



#30

1,1,1-Trichloroethane

Concen: 5.542 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

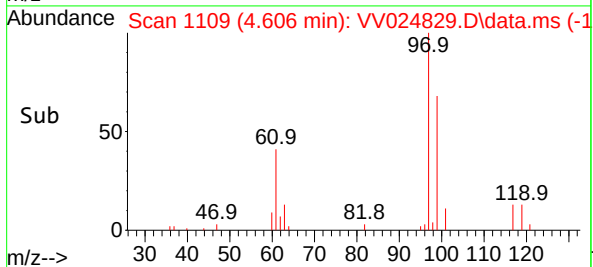
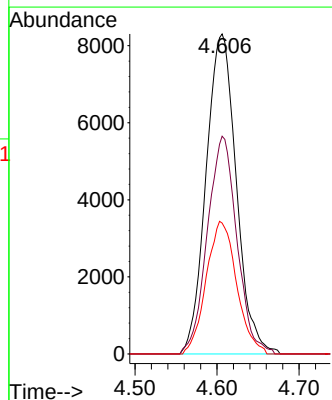
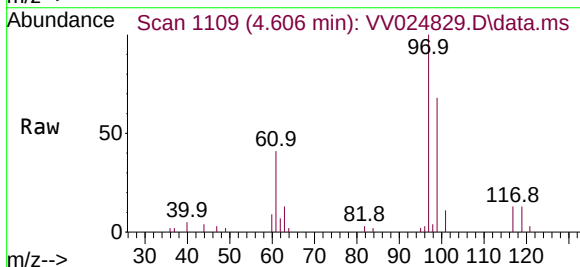
Tgt Ion: 97 Resp: 21294

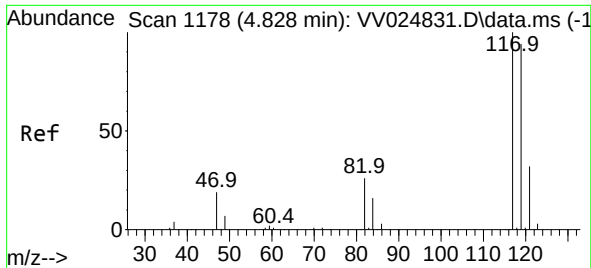
Ion Ratio Lower Upper

97 100

99 66.5 51.5 77.3

61 41.7 33.8 50.8

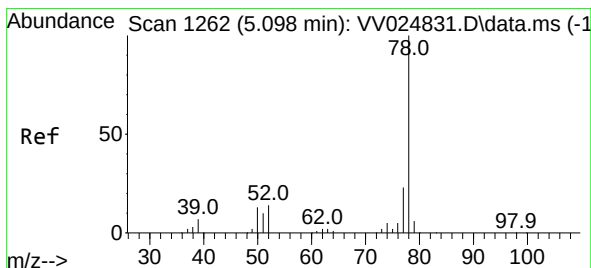
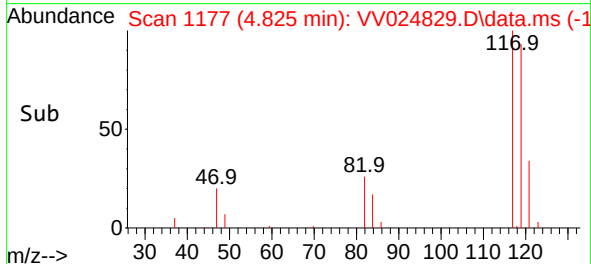
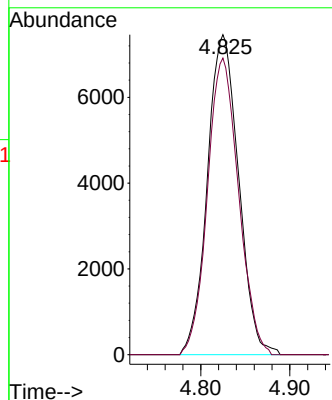
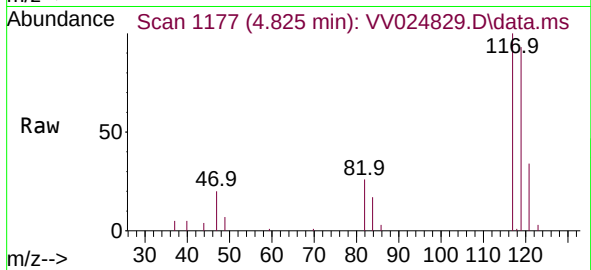




#31
Carbon tetrachloride
Concen: 5.706 ug/L
RT: 4.825 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

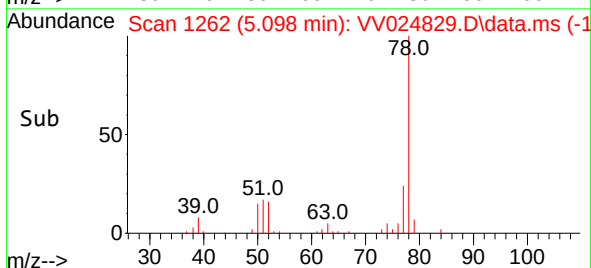
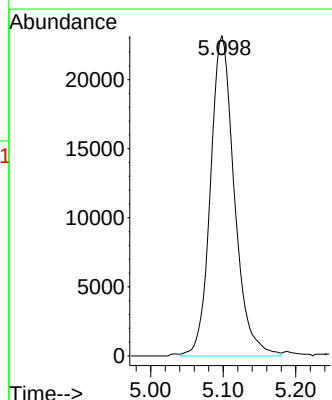
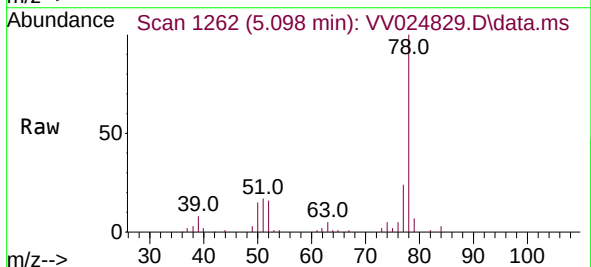
Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

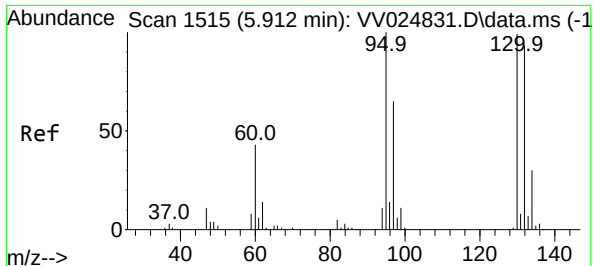
Tgt Ion:117 Resp: 18184
Ion Ratio Lower Upper
117 100
119 92.2 75.8 113.8



#33
Benzene
Concen: 5.692 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion: 78 Resp: 53181



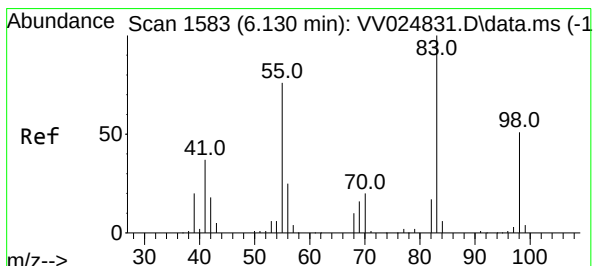
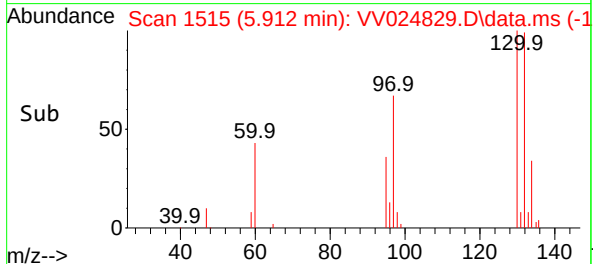
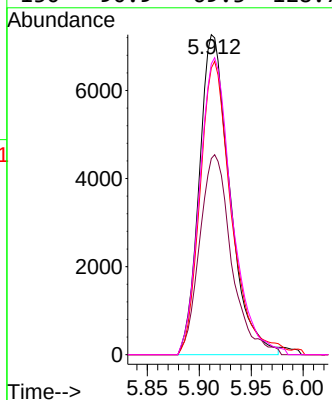
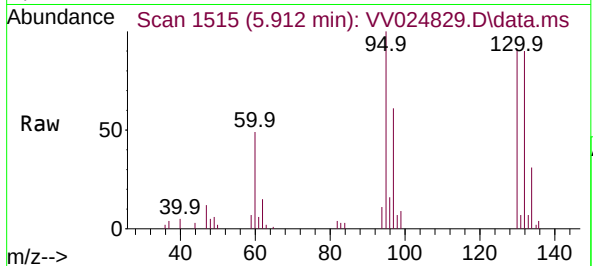


#34
Trichloroethene
Concen: 5.710 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

Tgt Ion: 95 Resp: 14886

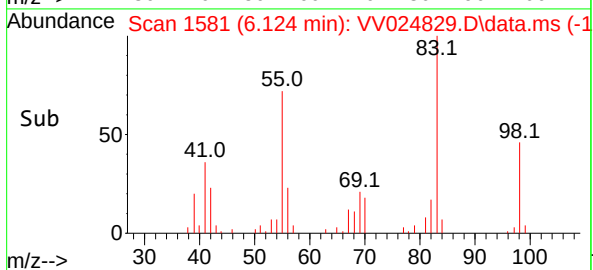
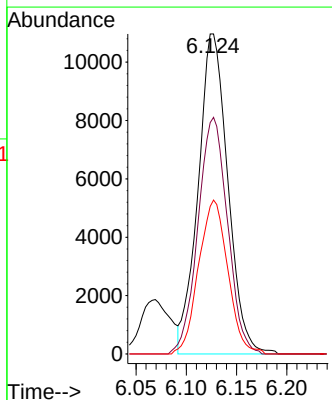
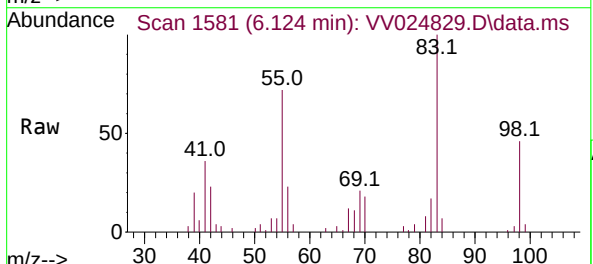
Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.3	84.1
132	89.6	65.0	120.6
130	90.9	69.3	128.7

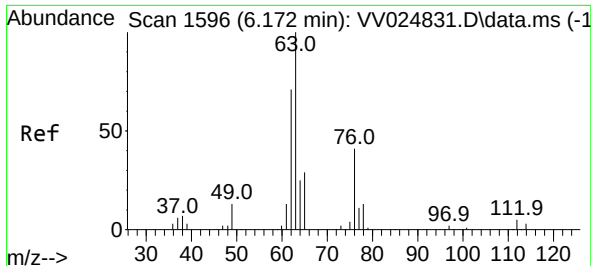


#35
Methylcyclohexane
Concen: 5.697 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.006 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion: 83 Resp: 22553

Ion	Ratio	Lower	Upper
83	100		
55	73.5	57.7	86.5
98	47.2	38.9	58.3





#37

1,2-Dichloropropane

Concen: 5.303 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

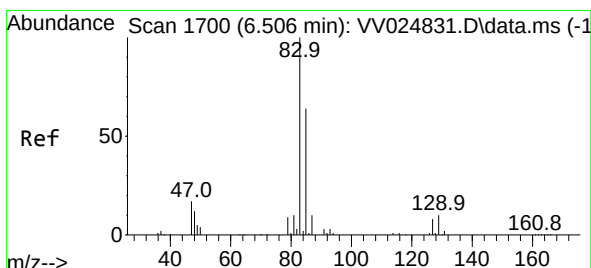
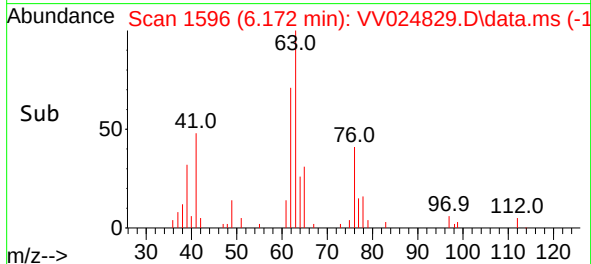
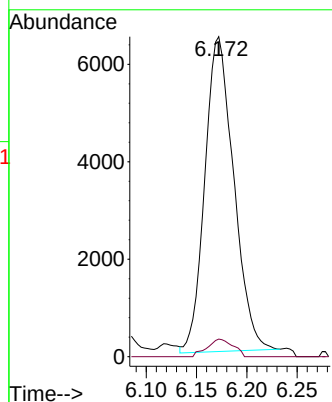
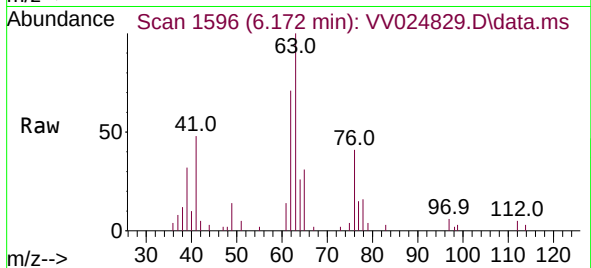
VSTD005207

Tgt Ion: 63 Resp: 12931

Ion Ratio Lower Upper

63 100

112 5.0 3.6 5.4



#38

Bromodichloromethane

Concen: 5.121 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

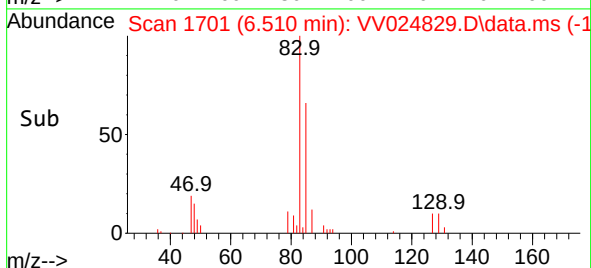
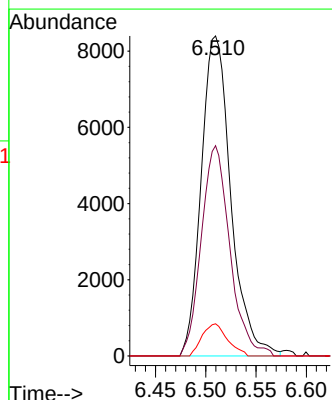
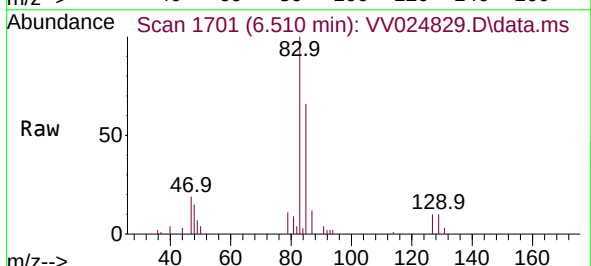
Tgt Ion: 83 Resp: 17212

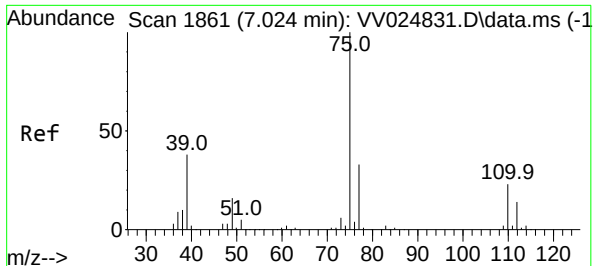
Ion Ratio Lower Upper

83 100

85 65.7 44.5 82.7

127 10.0 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 4.646 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

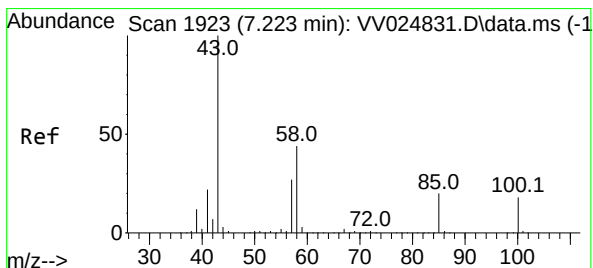
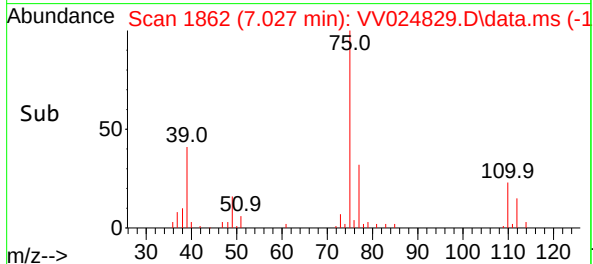
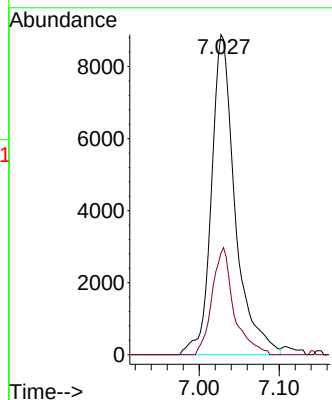
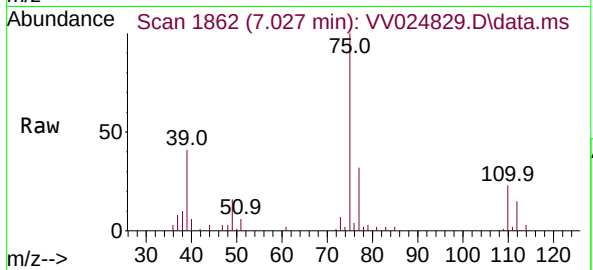
VSTD005207

Tgt Ion: 75 Resp: 18268

Ion Ratio Lower Upper

75 100

77 31.7 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 9.315 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

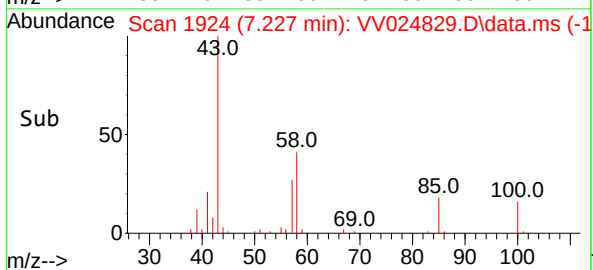
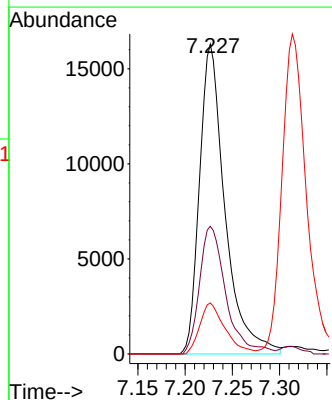
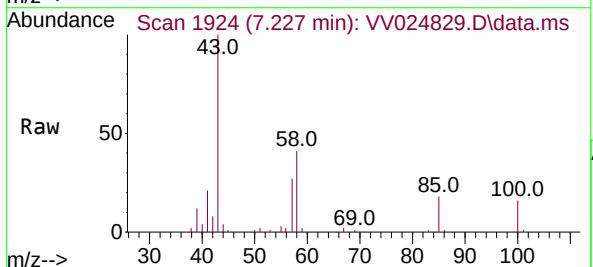
Tgt Ion: 43 Resp: 30501

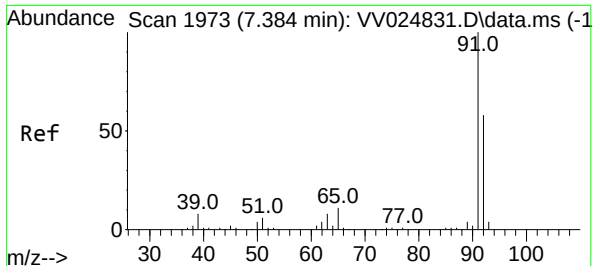
Ion Ratio Lower Upper

43 100

58 41.6 34.8 52.2

100 16.4 14.2 21.2





#42

Toluene

Concen: 5.550 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

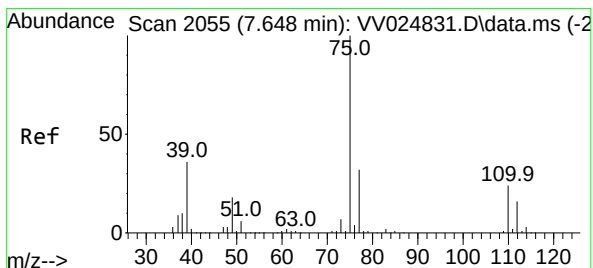
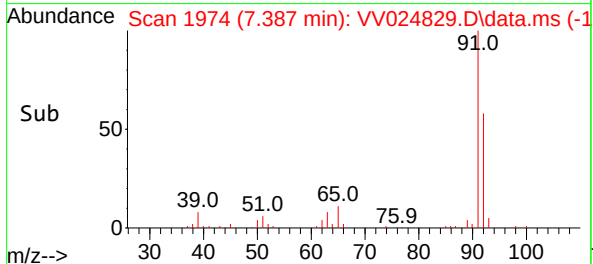
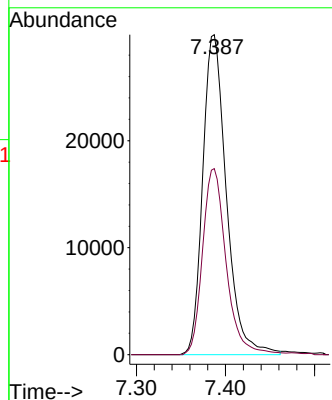
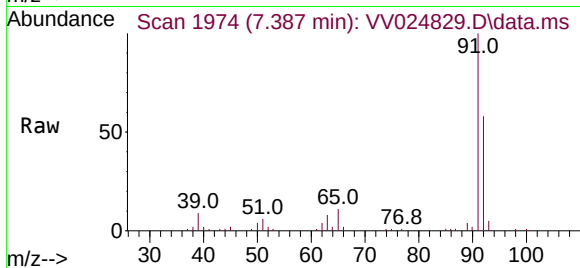
VSTD005207

Tgt Ion: 91 Resp: 55152

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.235 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV024829.D

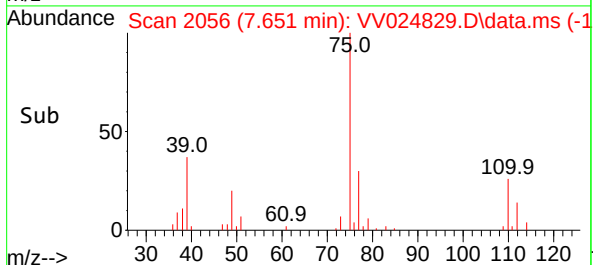
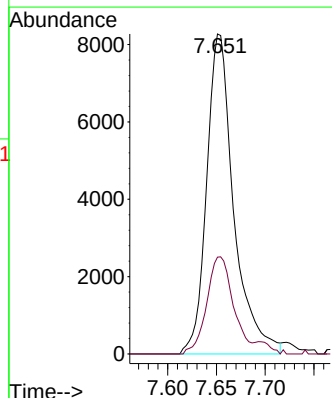
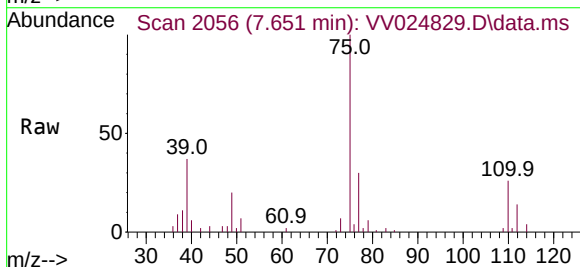
Acq: 28 Feb 2022 10:21

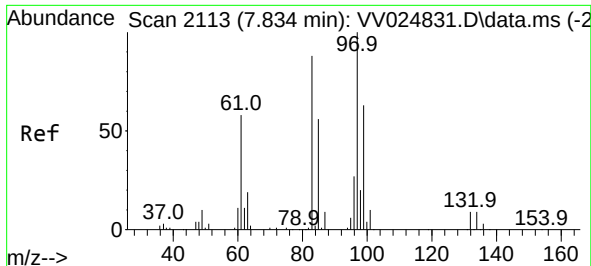
Tgt Ion: 75 Resp: 16025

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 5.628 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD005207

Tgt Ion: 97 Resp: 13146

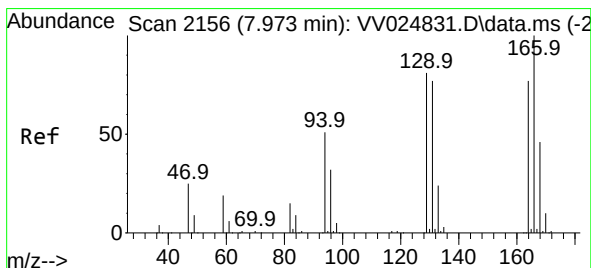
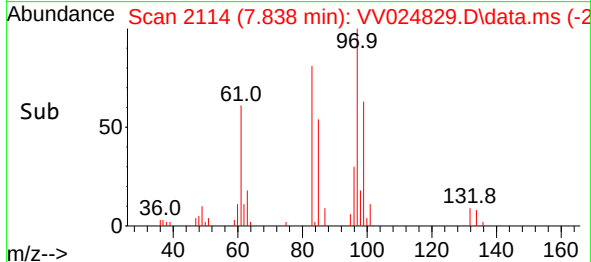
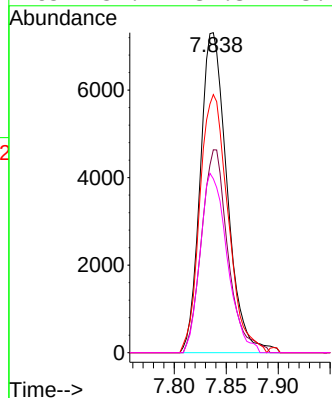
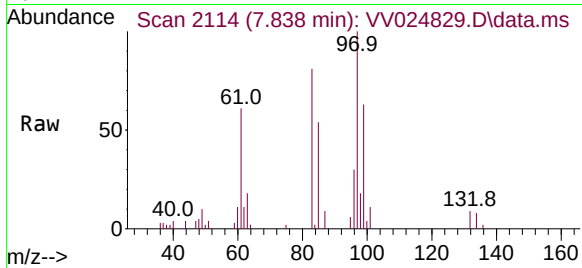
Ion Ratio Lower Upper

97 100

99 63.4 43.9 81.5

83 80.7 61.7 114.5

85 54.4 39.3 73.1



#46

Tetrachloroethene

Concen: 6.139 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Tgt Ion:164 Resp: 9641

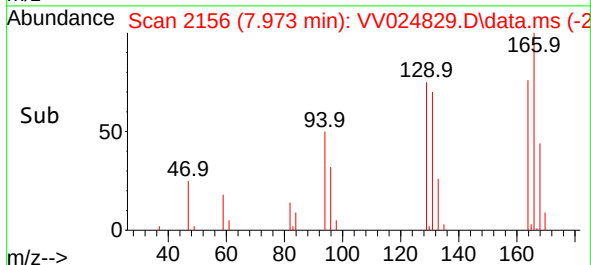
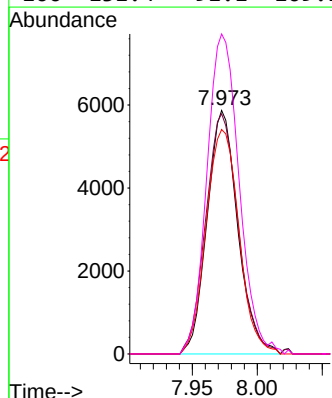
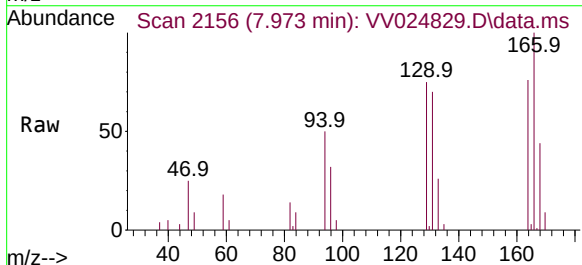
Ion Ratio Lower Upper

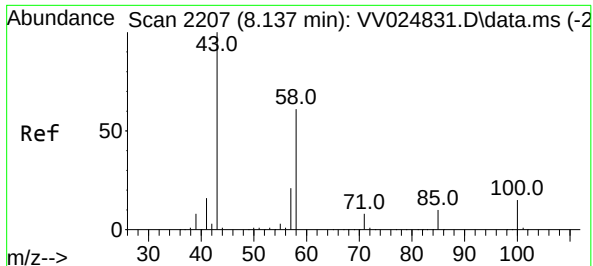
164 100

129 98.6 74.1 137.7

131 92.2 70.1 130.1

166 131.4 91.1 169.1





#48

2-Hexanone

Concen: 8.874 ug/L

RT: 8.143 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD005207

Tgt Ion: 43 Resp: 24233

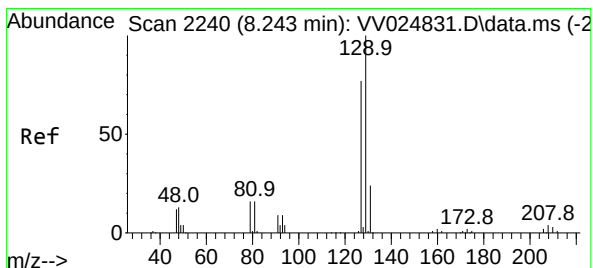
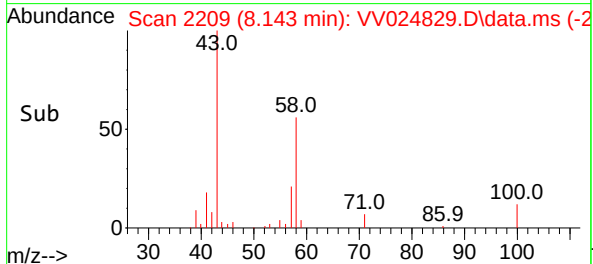
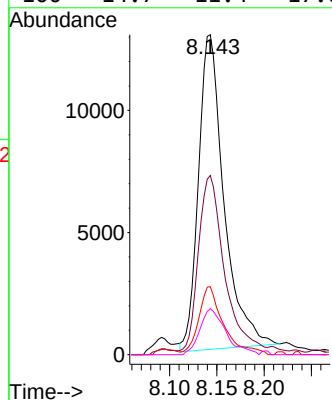
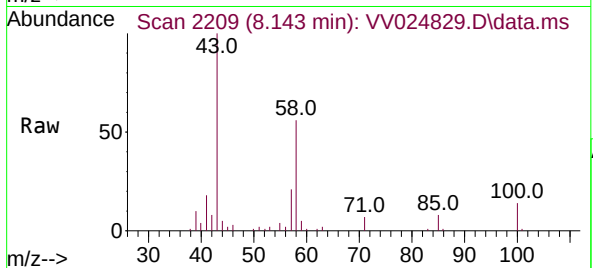
Ion Ratio Lower Upper

43 100

58 56.5 48.6 72.8

57 21.0 16.5 24.7

100 14.7 11.4 17.0



#49

Dibromochloromethane

Concen: 4.689 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VV024829.D

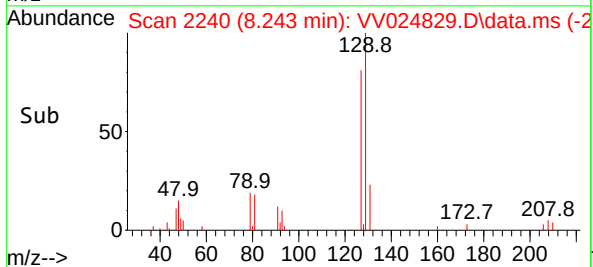
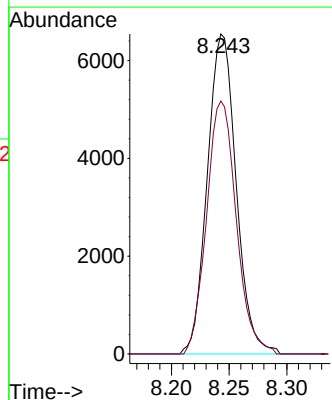
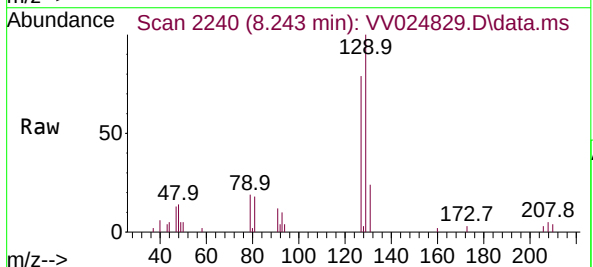
Acq: 28 Feb 2022 10:21

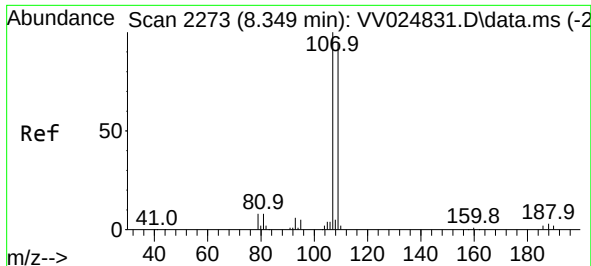
Tgt Ion: 129 Resp: 11388

Ion Ratio Lower Upper

129 100

127 79.0 54.2 100.6





#50

1,2-Dibromoethane

Concen: 5.382 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD005207

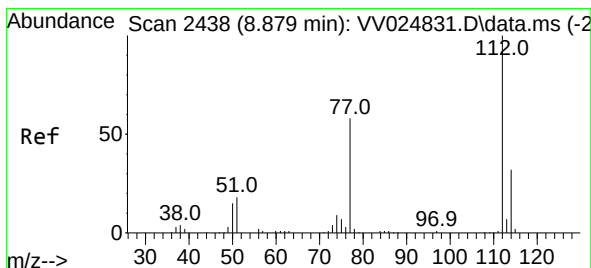
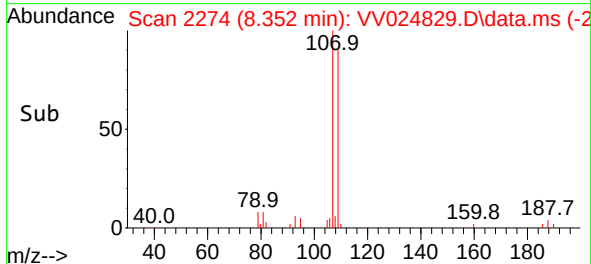
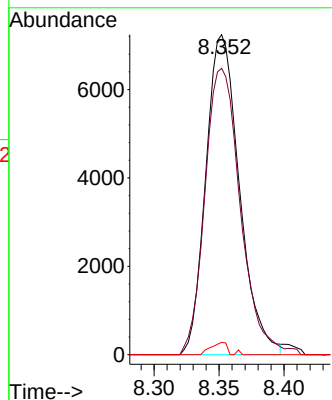
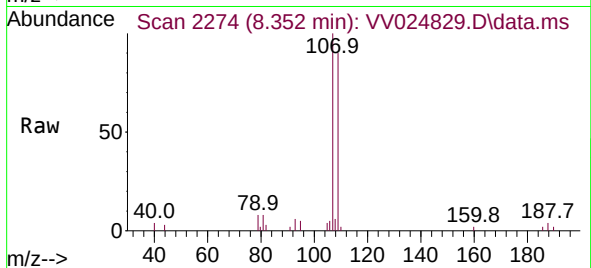
Tgt Ion:107 Resp: 13035

Ion Ratio Lower Upper

107 100

109 89.5 65.6 121.8

188 3.9 2.4 3.6#



#51

Chlorobenzene

Concen: 5.727 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

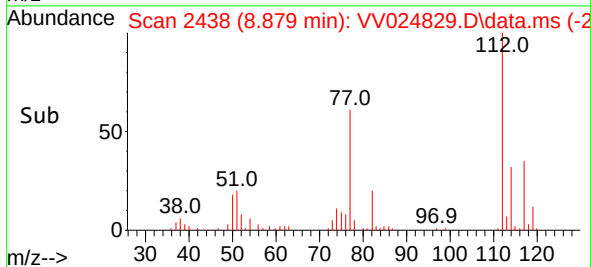
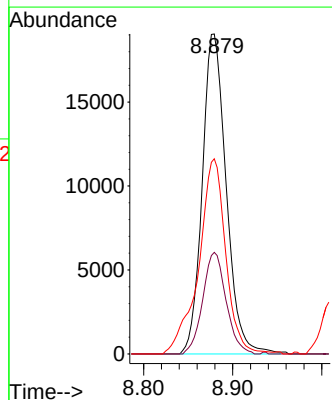
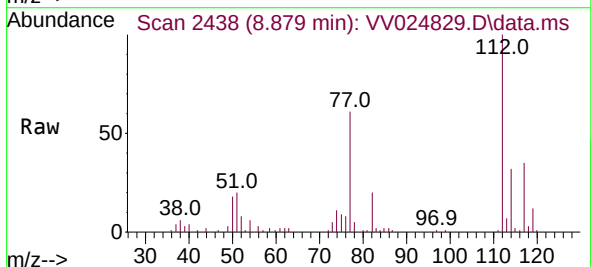
Tgt Ion:112 Resp: 35585

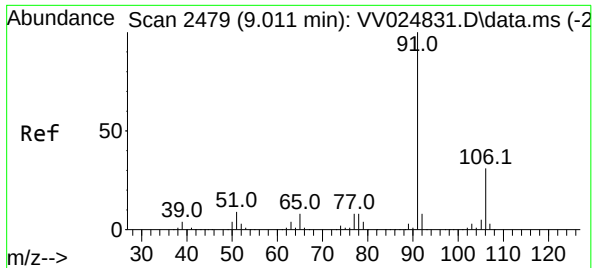
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 61.0 46.7 70.1





#52

Ethylbenzene

Concen: 5.208 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

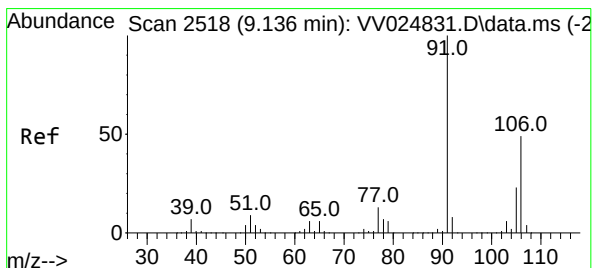
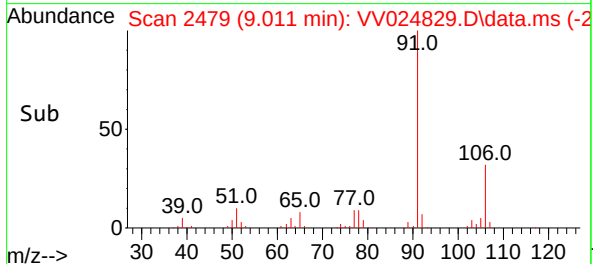
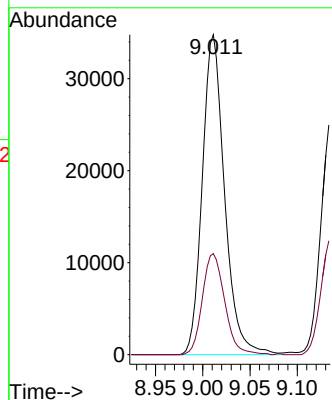
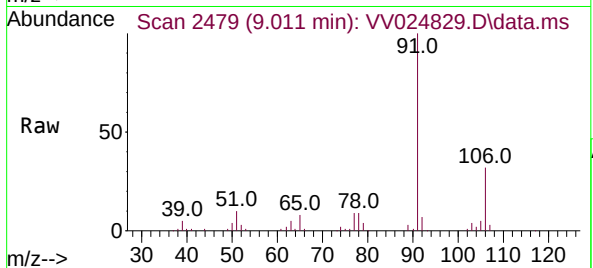
VSTD005207

Tgt Ion: 91 Resp: 56956

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.2



#53

m,p-Xylene

Concen: 5.379 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV024829.D

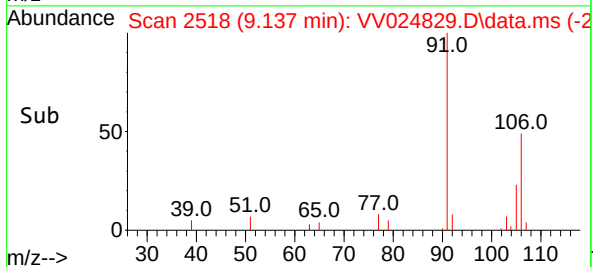
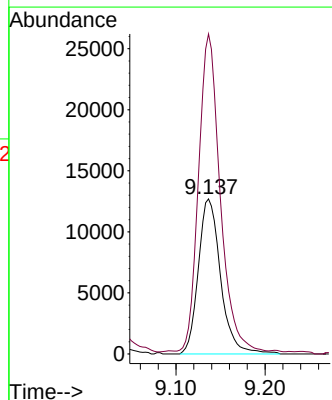
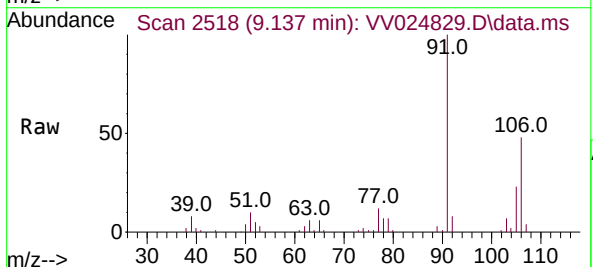
Acq: 28 Feb 2022 10:21

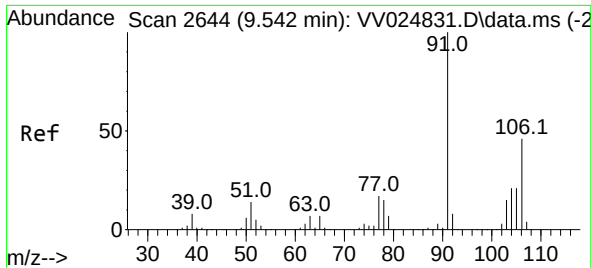
Tgt Ion:106 Resp: 22113

Ion Ratio Lower Upper

106 100

91 206.4 142.2 264.2

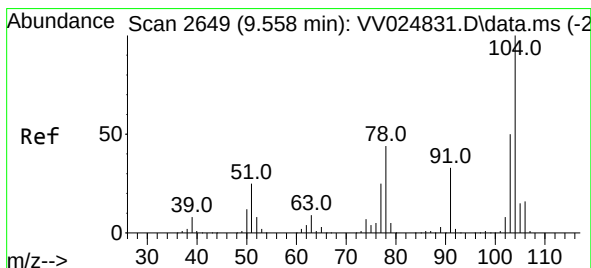
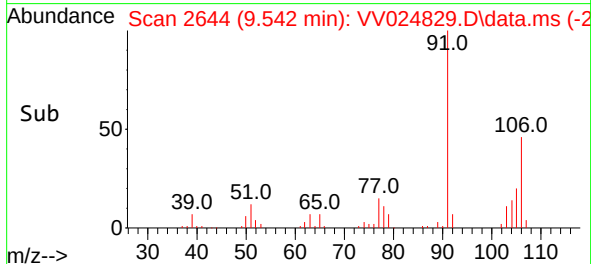
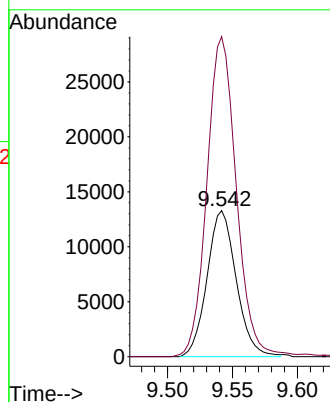
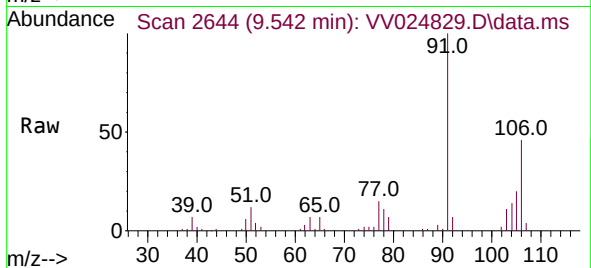




#54
o-Xylene
Concen: 5.083 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

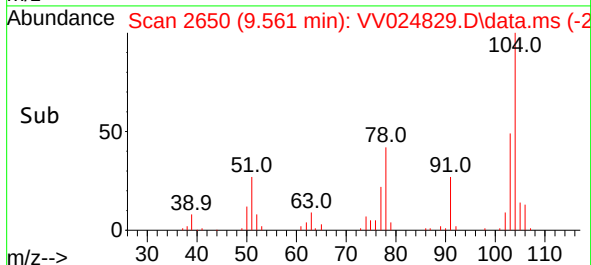
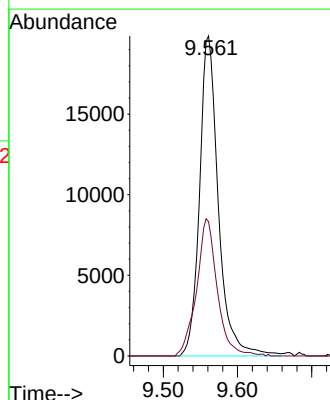
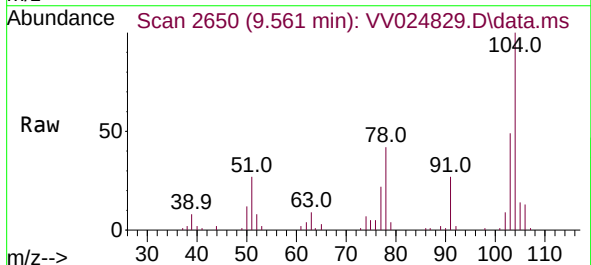
Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

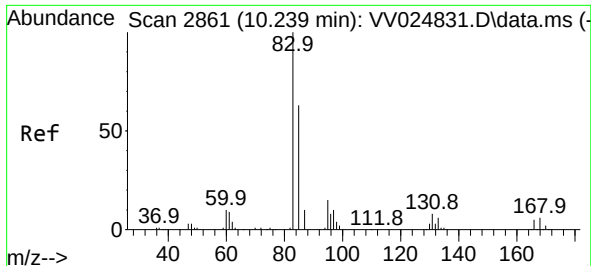
Tgt Ion:106 Resp: 20760
Ion Ratio Lower Upper
106 100
91 219.1 151.6 281.6



#55
Styrene
Concen: 5.041 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion:104 Resp: 34985
Ion Ratio Lower Upper
104 100
78 42.0 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.311 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD005207

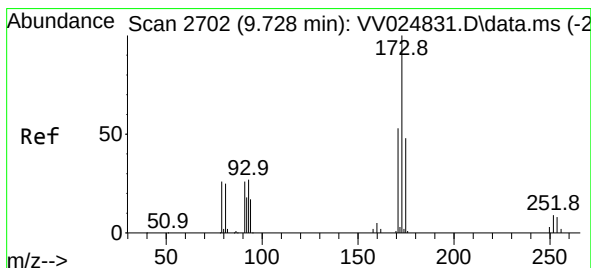
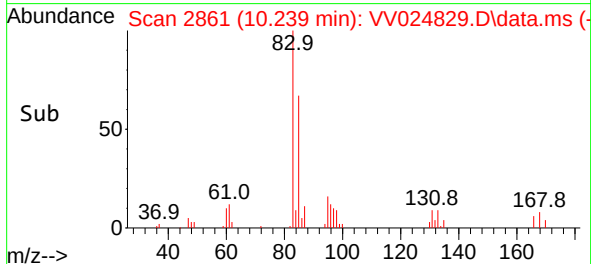
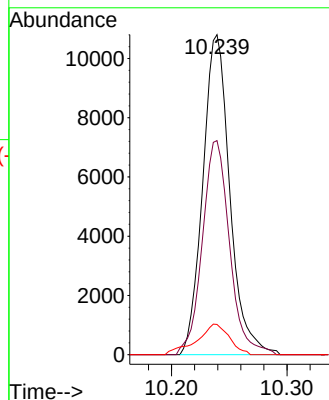
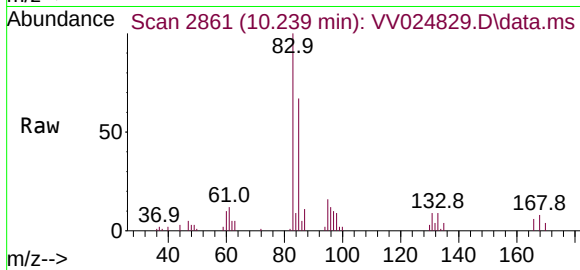
Tgt Ion: 83 Resp: 17593

Ion Ratio Lower Upper

83 100

85 66.9 44.2 82.2

131 9.5 7.0 10.4



#59

Bromoform

Concen: 4.218 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

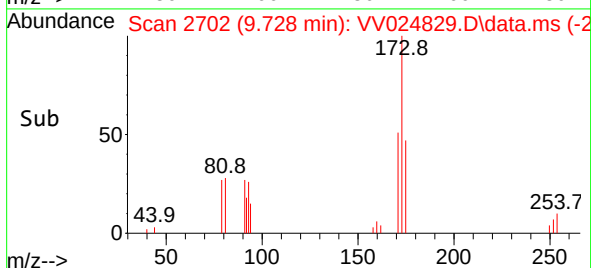
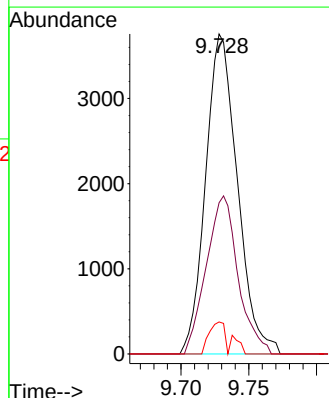
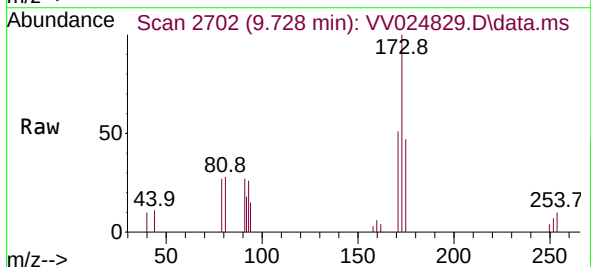
Tgt Ion: 173 Resp: 6127

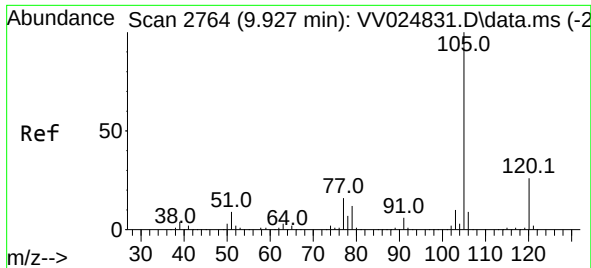
Ion Ratio Lower Upper

173 100

175 49.4 37.9 56.9

254 4.8 6.2 9.4

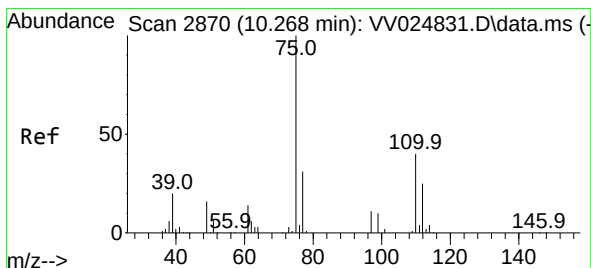
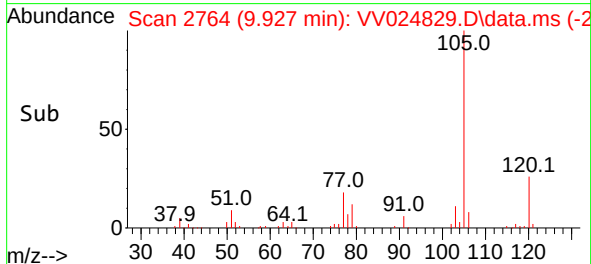
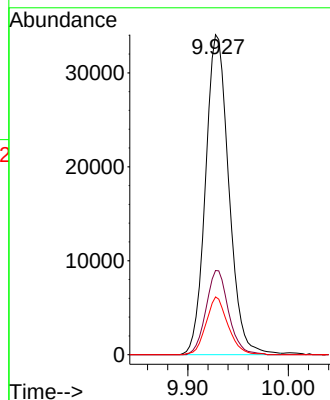
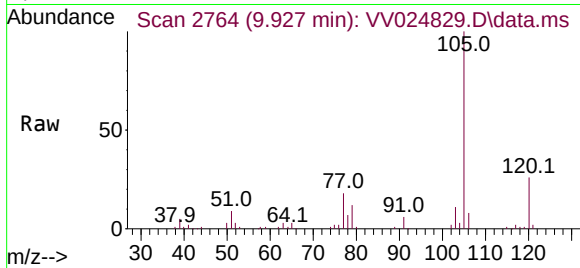




#60
Isopropylbenzene
Concen: 4.992 ug/L
RT: 9.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

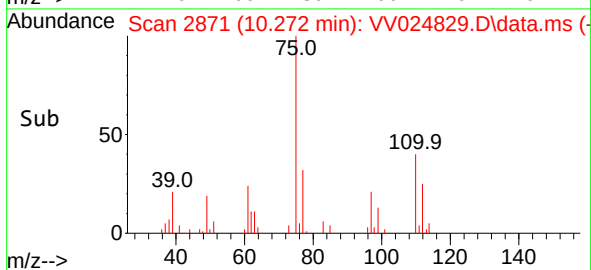
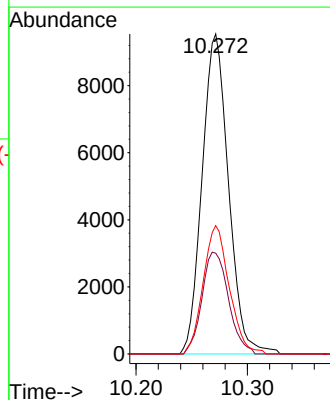
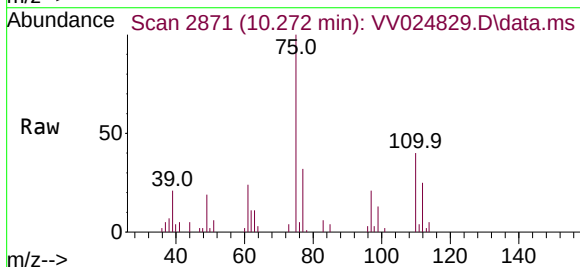
Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

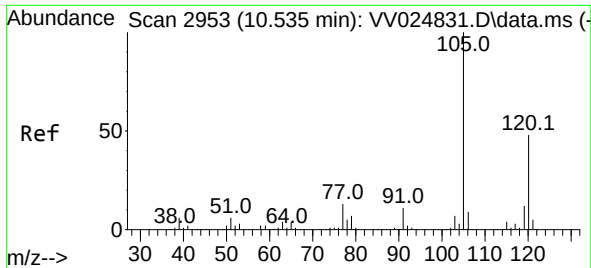
Tgt Ion:105 Resp: 54933
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.9 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 5.214 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion: 75 Resp: 15722
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0
110 39.6 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 3.892 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

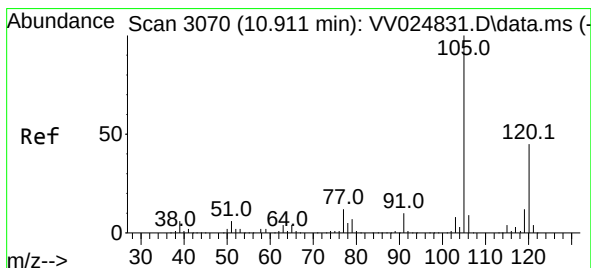
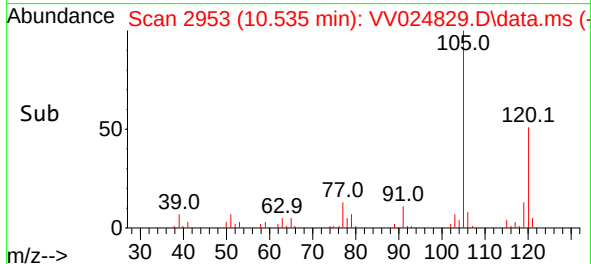
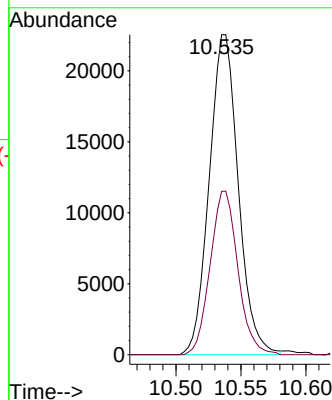
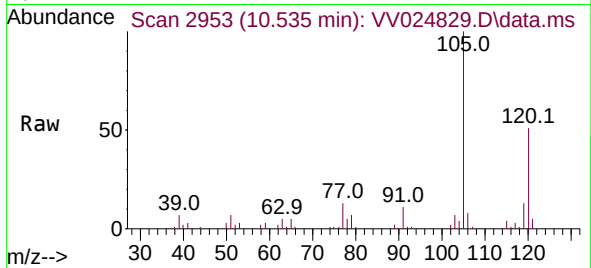
VSTD005207

Tgt Ion:105 Resp: 35051

Ion Ratio Lower Upper

105 100

120 48.7 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 4.515 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV024829.D

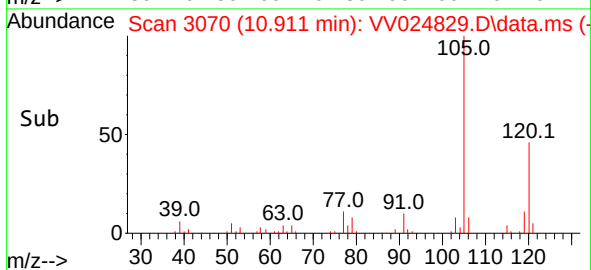
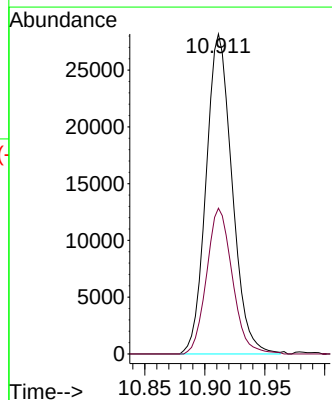
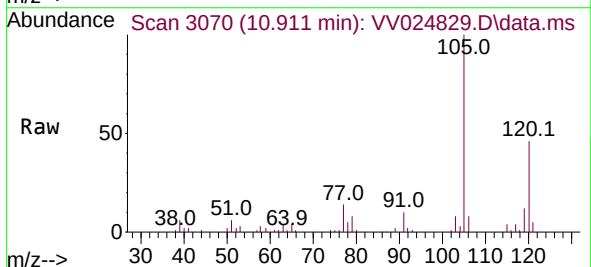
Acq: 28 Feb 2022 10:21

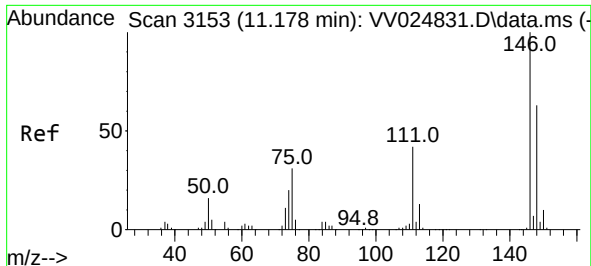
Tgt Ion:105 Resp: 42534

Ion Ratio Lower Upper

105 100

120 45.0 36.1 54.1

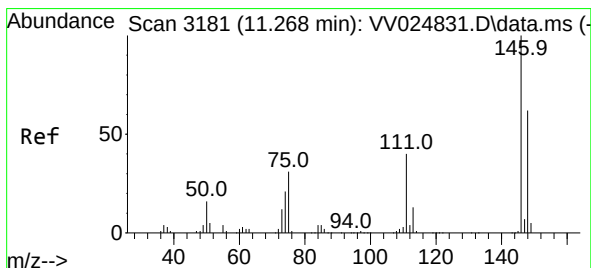
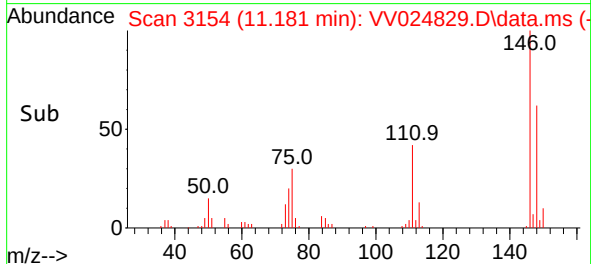
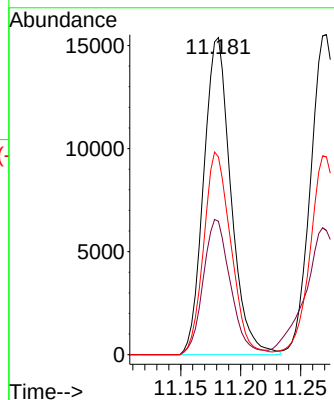
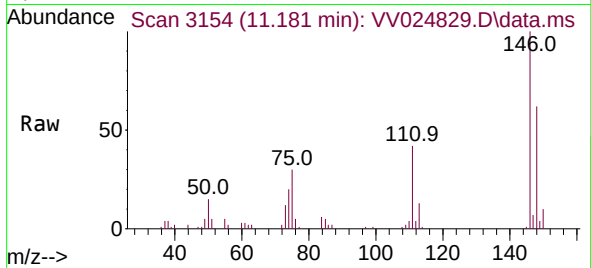




#64
1,3-Dichlorobenzene
Concen: 5.355 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

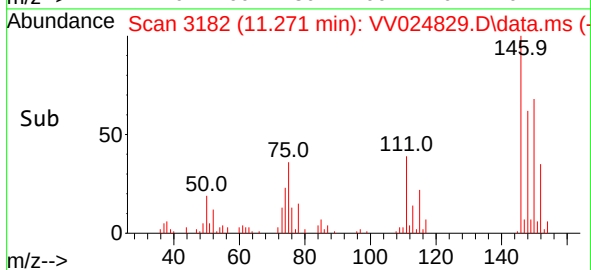
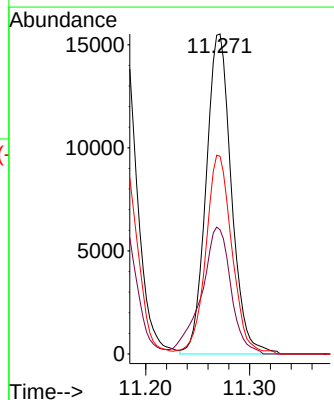
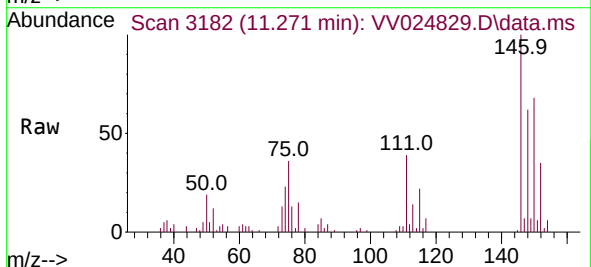
Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

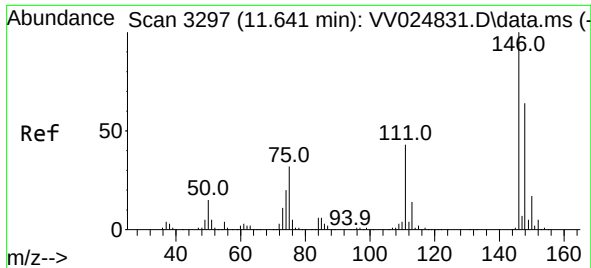
Tgt Ion:146 Resp: 24310
Ion Ratio Lower Upper
146 100
111 42.1 29.7 55.1
148 62.3 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 5.687 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion:146 Resp: 26250
Ion Ratio Lower Upper
146 100
111 38.8 28.6 53.0
148 61.8 43.7 81.1

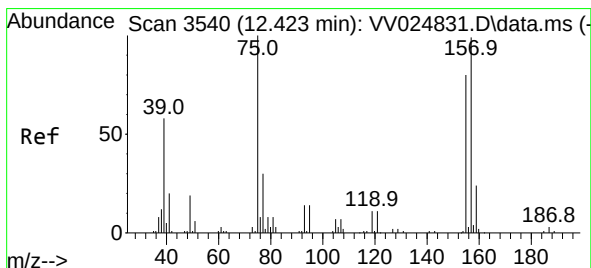
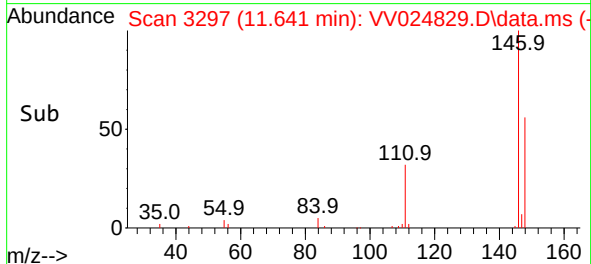
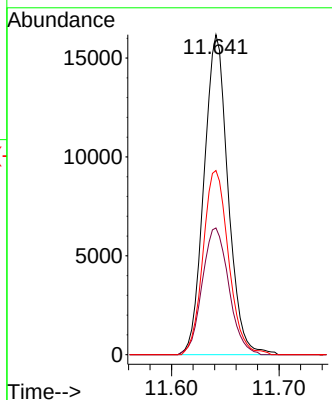
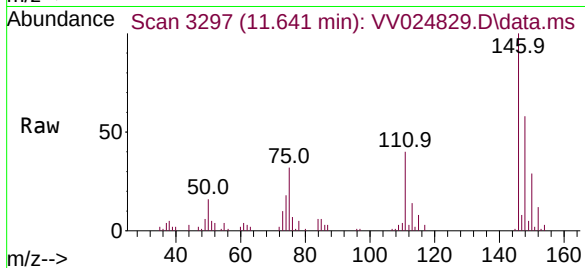




#67
 1,2-Dichlorobenzene
 Concen: 5.526 ug/L
 RT: 11.641 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

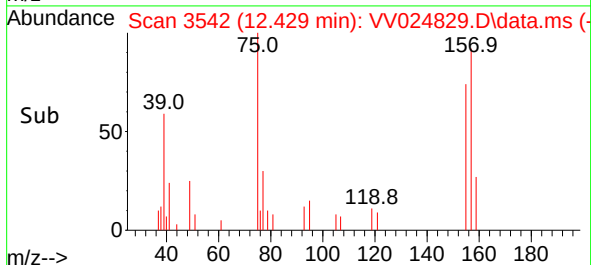
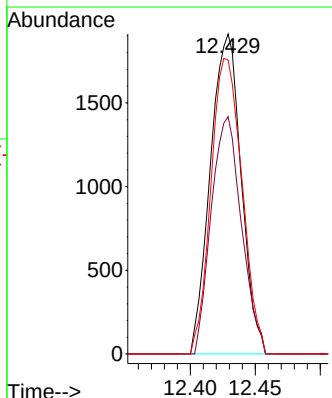
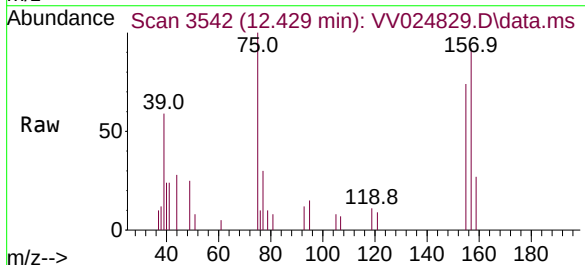
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005207

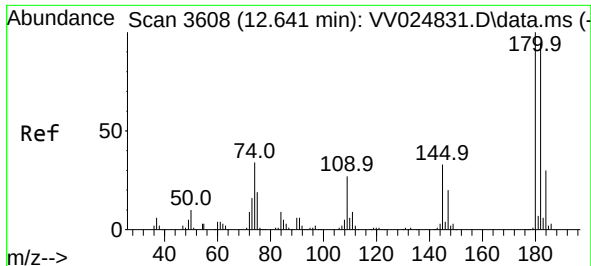
Tgt Ion:146 Resp: 25142
 Ion Ratio Lower Upper
 146 100
 111 39.6 34.9 52.3
 148 57.6 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.045 ug/L
 RT: 12.429 min Scan# 3542
 Delta R.T. 0.006 min
 Lab File: VV024829.D
 Acq: 28 Feb 2022 10:21

Tgt Ion: 75 Resp: 3148
 Ion Ratio Lower Upper
 75 100
 155 74.2 63.8 95.8
 157 91.8 79.3 118.9





#69

1,3,5-Trichlorobenzene

Concen: 5.488 ug/L

RT: 12.641 min Scan# 30

Delta R.T. 0.000 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD005207

Tgt Ion:180 Resp: 16610

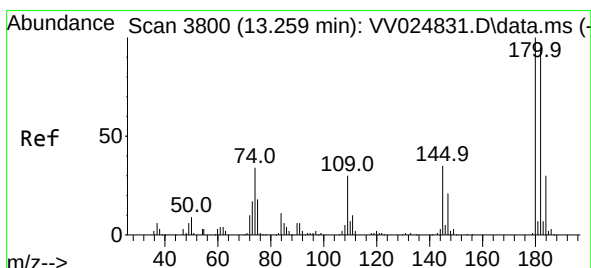
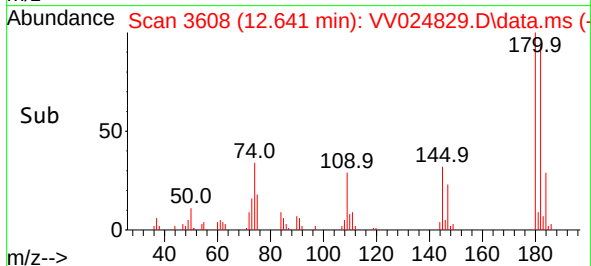
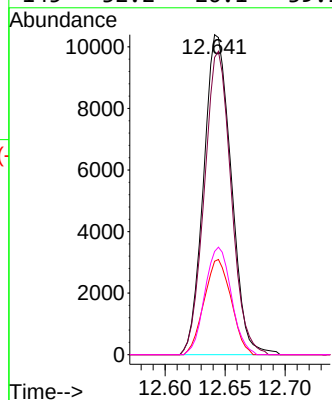
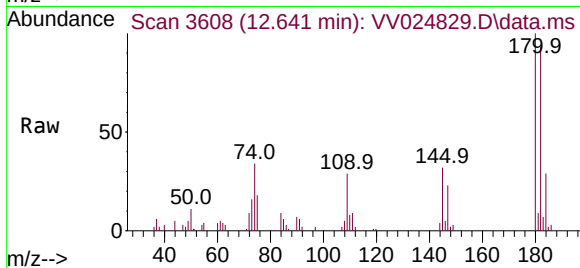
Ion Ratio Lower Upper

180 100

182 92.1 75.1 112.7

184 29.1 23.9 35.9

145 32.2 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 5.102 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV024829.D

Acq: 28 Feb 2022 10:21

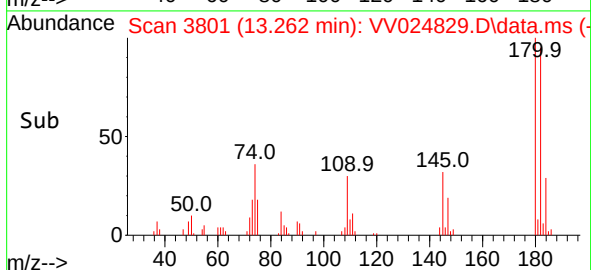
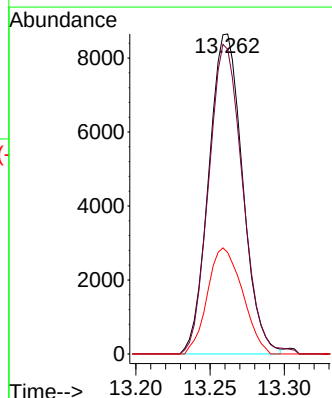
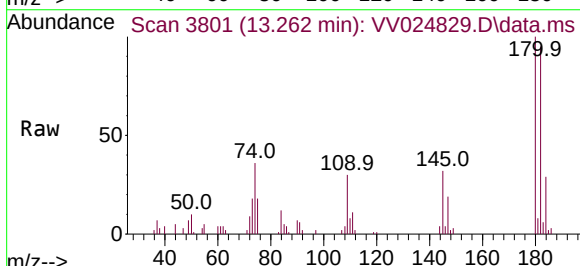
Tgt Ion:180 Resp: 13685

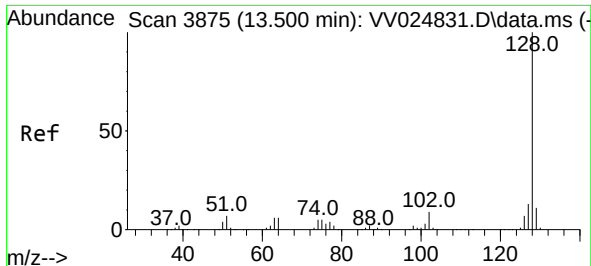
Ion Ratio Lower Upper

180 100

182 96.8 76.0 114.0

145 34.3 27.6 41.4

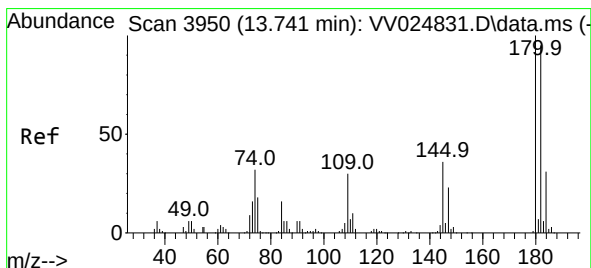
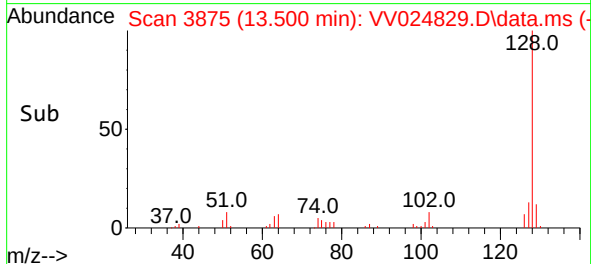
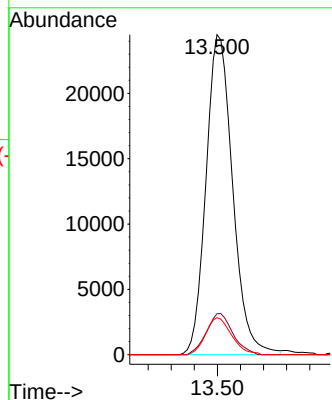
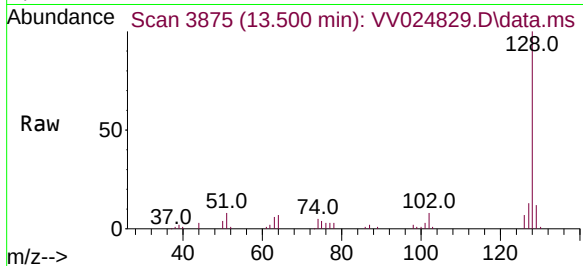




#71
Naphthalene
Concen: 4.057 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD005207

Tgt Ion:	128	Resp:	39201
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.2	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 5.071 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV024829.D
Acq: 28 Feb 2022 10:21

Tgt Ion:	180	Resp:	13337
Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.9	113.9
145	35.9	28.7	43.1

