

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024851.D
 Acq On : 02 Mar 2022 12:34
 Operator : SY/MD
 Sample : VSTD05004
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050204

Quant Time: Mar 03 02:36:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 03 01:40:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	265437	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	247149	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	121220	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	269381	73.449	ug/L	0.00
7) Chloroethane-d5	1.564	69	193836	66.858	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	393628	57.337	ug/L	0.00
21) 2-Butanone-d5	3.899	46	170994	159.066	ug/L	0.00
24) Chloroform-d	4.346	84	401838	54.881	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.027	65	215530	53.599	ug/L	0.00
32) Benzene-d6	5.047	84	854702	62.638	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	252634	63.136	ug/L	0.00
41) Toluene-d8	7.313	98	777600	60.965	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	112835	62.831	ug/L	0.00
47) 2-Hexanone-d5	8.088	63	125205	160.663	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	219969	62.684	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	257028	56.316	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	184321	37.060	ug/L	99
3) Chloromethane	1.240	50	175376	39.118	ug/L	100
5) Vinyl chloride	1.310	62	193894	44.607	ug/L	98
6) Bromomethane	1.523	94	115733	40.166	ug/L	98
8) Chloroethane	1.584	64	115833	43.623	ug/L	100
9) Trichlorofluoromethane	1.751	101	254241	38.113	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	150619	42.492	ug/L	99
12) 1,1-Dichloroethene	2.117	96	140934	42.588	ug/L	78
13) Acetone	2.188	43	82770	77.176	ug/L	100
14) Carbon disulfide	2.291	76	509657	42.923	ug/L	100
15) Methyl Acetate	2.436	43	96647	59.029	ug/L	100
16) Methylene chloride	2.503	84	162264	32.580	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	165052	41.859	ug/L	97
18) Methyl tert-butyl Ether	2.767	73	384971	42.998	ug/L	99
19) 1,1-Dichloroethane	3.188	63	276609	42.585	ug/L	98
20) cis-1,2-Dichloroethene	3.908	96	168653	42.067	ug/L	98
22) 2-Butanone	3.986	43	115423	103.131	ug/L	91
23) Bromochloromethane	4.246	128	75921	38.052	ug/L	95
25) Chloroform	4.371	83	282518	39.971	ug/L	98
27) 1,2-Dichloroethane	5.127	62	178738	39.454	ug/L	99
29) Cyclohexane	4.674	56	274583	49.979	ug/L	100
30) 1,1,1-Trichloroethane	4.606	97	249025	40.956	ug/L	98
31) Carbon tetrachloride	4.825	117	219005	40.315	ug/L	99
33) Benzene	5.095	78	640500	44.801	ug/L	100
34) Trichloroethene	5.912	95	183836	46.410	ug/L	97
35) Methylcyclohexane	6.127	83	305689	49.121	ug/L	98
37) 1,2-Dichloropropane	6.169	63	155169	46.505	ug/L	100
38) Bromodichloromethane	6.506	83	200185	41.915	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	248168	47.201	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	250718	115.376	ug/L	99
42) Toluene	7.384	91	688981	44.595	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	215222	44.975	ug/L	98

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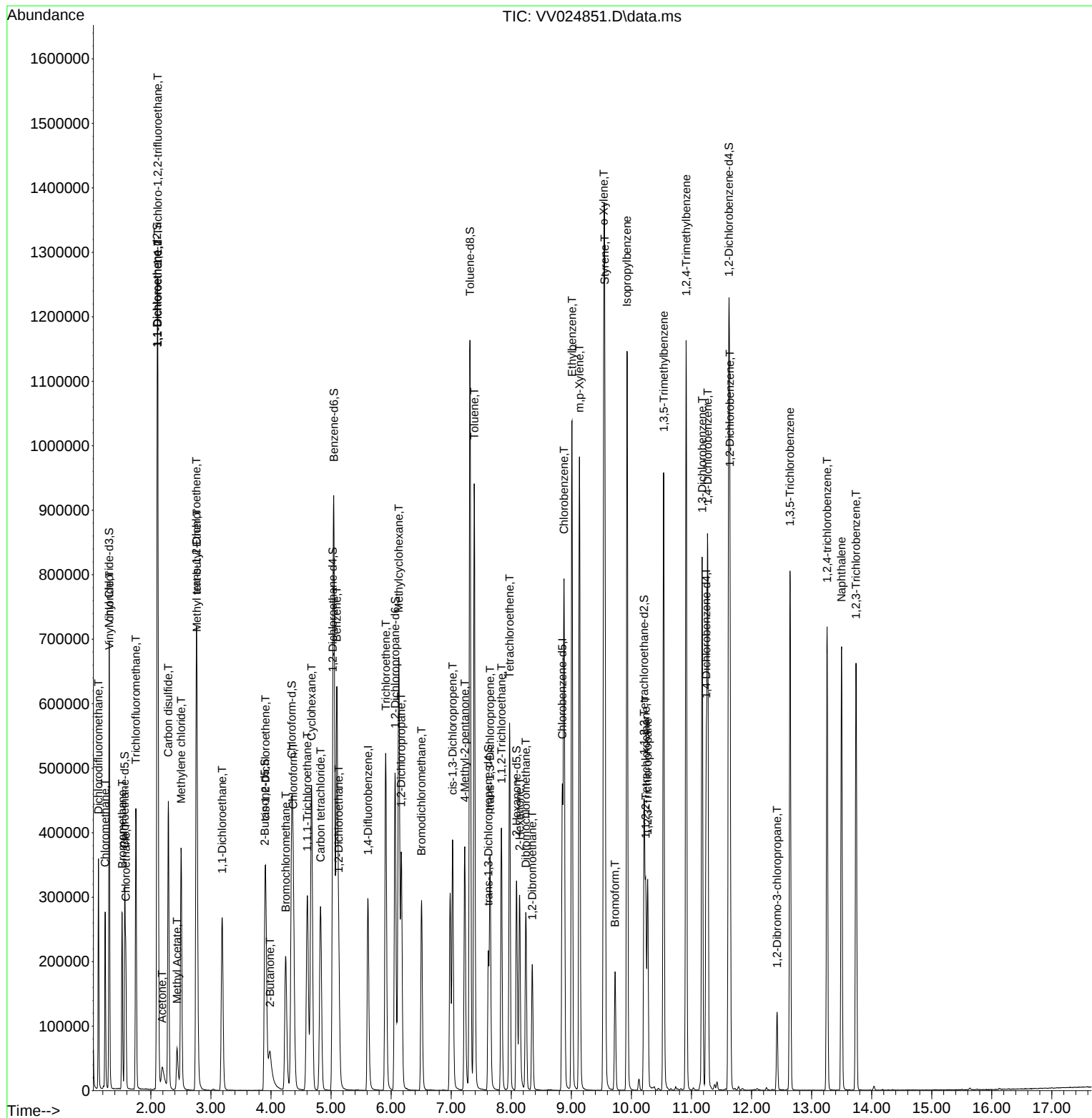
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.837	97	129759	44.666	ug/L	98
46) Tetrachloroethene	7.973	164	120163	35.871	ug/L	99
48) 2-Hexanone	8.140	43	187294	116.921	ug/L	98
49) Dibromochloromethane	8.243	129	143833	39.867	ug/L	99
50) 1,2-Dibromoethane	8.349	107	130377	45.418	ug/L	100
51) Chlorobenzene	8.879	112	423263	40.385	ug/L	99
52) Ethylbenzene	9.011	91	742371	44.594	ug/L	99
53) m,p-Xylene	9.136	106	285015	43.492	ug/L	98
54) o-Xylene	9.542	106	268613	43.220	ug/L	100
55) Styrene	9.558	104	468549	43.850	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	151997	46.415	ug/L	97
59) Bromoform	9.728	173	78363	41.072	ug/L	100
60) Isopropylbenzene	9.927	105	740101	50.035	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	131807	57.851	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	510240	41.403	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	620905	49.081	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	318136	41.642	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	323050	41.558	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	296869	42.338	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	30487	56.399	ug/L	99
69) 1,3,5-Trichlorobenzene	12.641	180	227001	38.385	ug/L	100
70) 1,2,4-trichlorobenzene	13.258	180	198780	40.774	ug/L	100
71) Naphthalene	13.500	128	531600	57.160	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	185596	42.077	ug/L	99

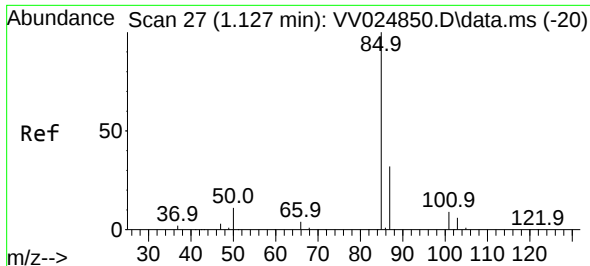
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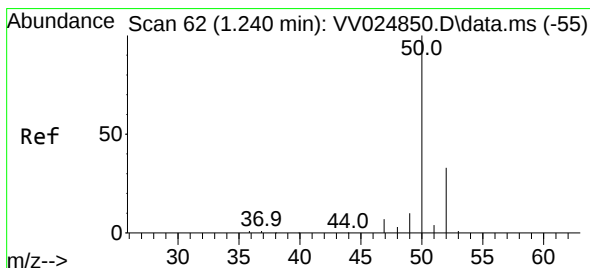
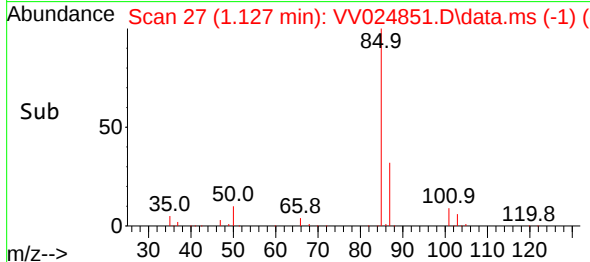
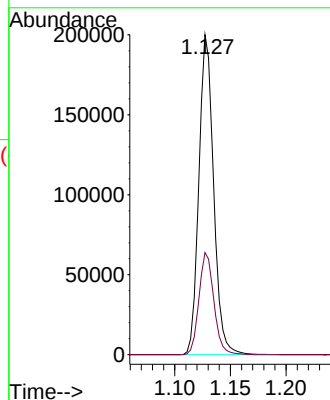
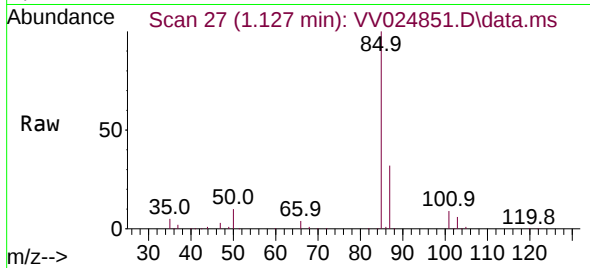




#2
 Dichlorodifluoromethane
 Concen: 37.060 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV024851.D
 Acq: 02 Mar 2022 12:34

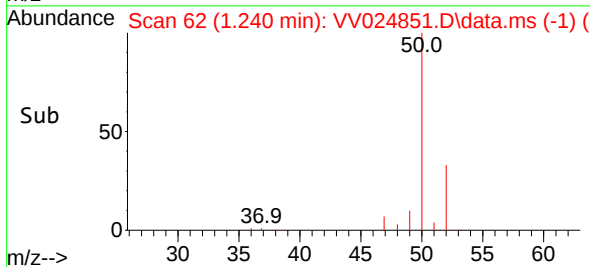
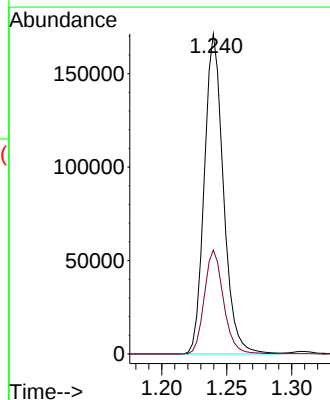
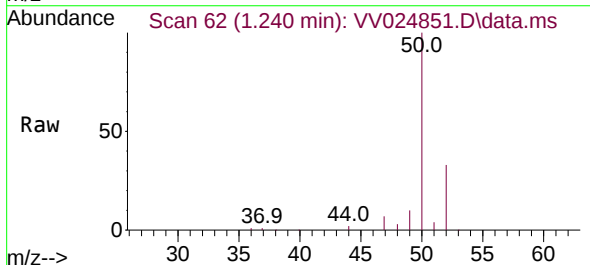
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050204

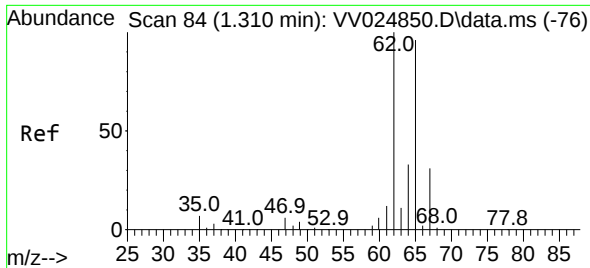
Tgt Ion: 85 Resp: 184321
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.2 39.4



#3
 Chloromethane
 Concen: 39.118 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV024851.D
 Acq: 02 Mar 2022 12:34

Tgt Ion: 50 Resp: 175376
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.9 42.5

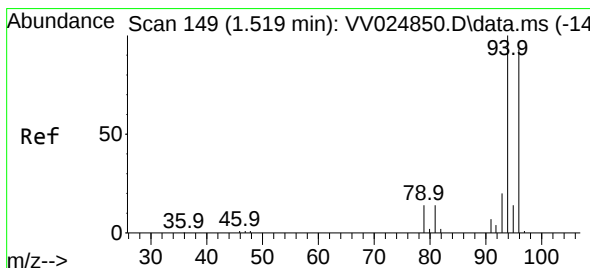
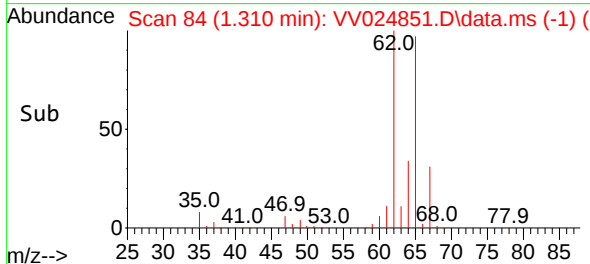
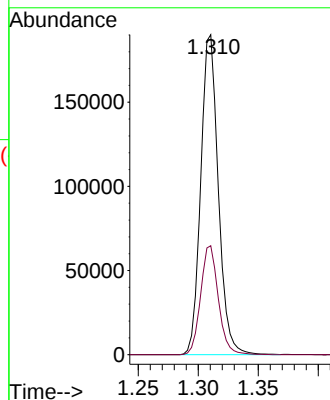
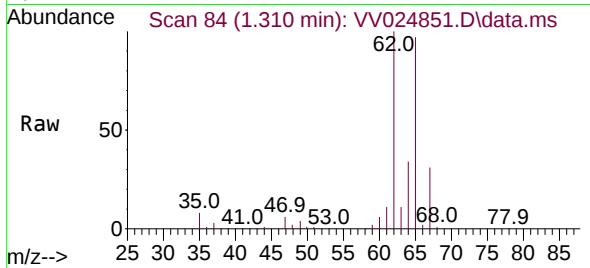




#5
 Vinyl chloride
 Concen: 44.607 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024851.D
 Acq: 02 Mar 2022 12:34

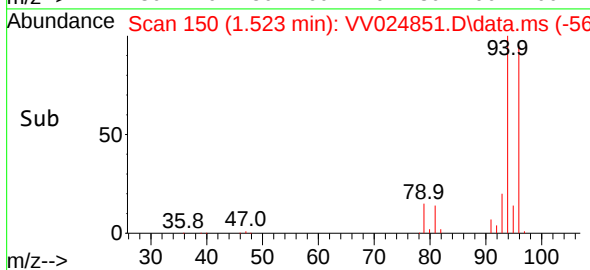
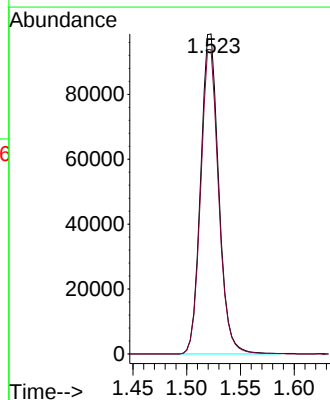
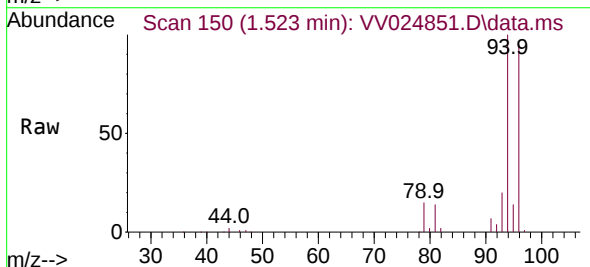
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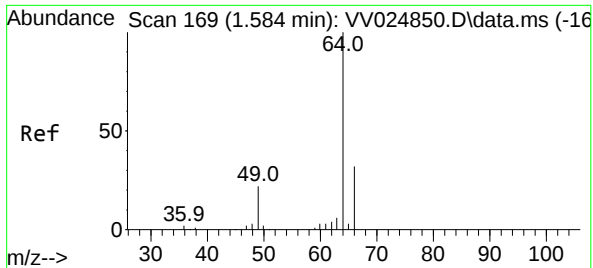
Tgt Ion: 62 Resp: 193894
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.0 42.8



#6
 Bromomethane
 Concen: 40.166 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV024851.D
 Acq: 02 Mar 2022 12:34

Tgt Ion: 94 Resp: 115733
 Ion Ratio Lower Upper
 94 100
 96 95.1 64.9 120.5

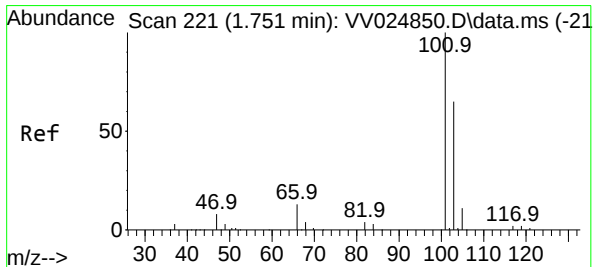
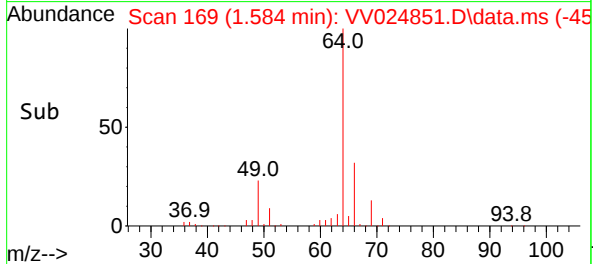
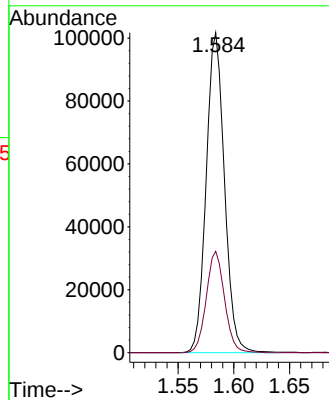
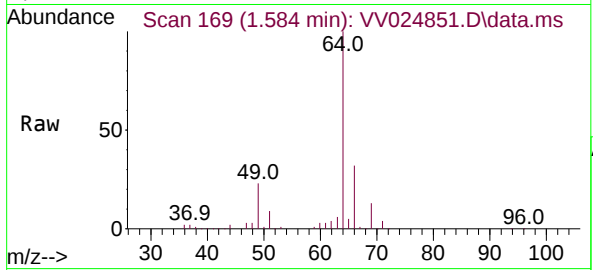




#8
Chloroethane
Concen: 43.623 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV024851.D
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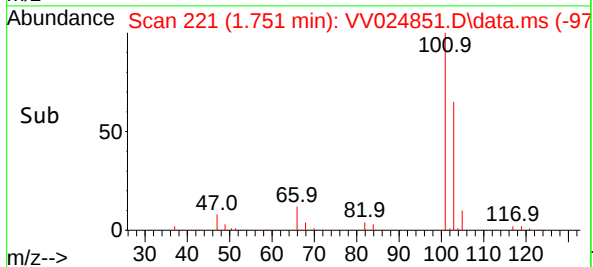
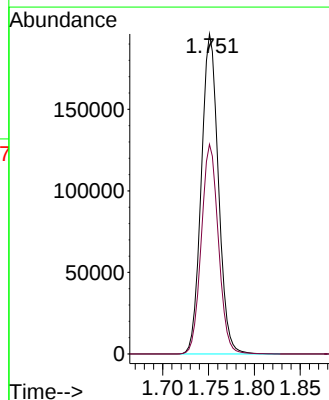
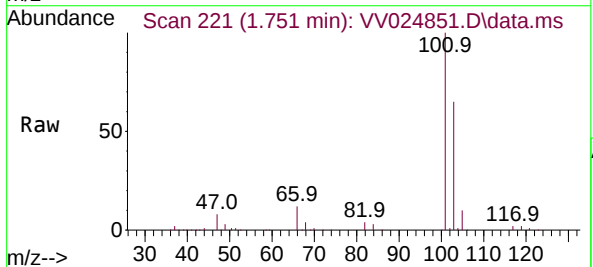
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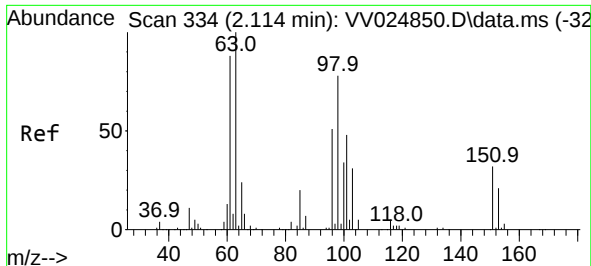
Tgt Ion: 64 Resp: 115833
Ion Ratio Lower Upper
64 100
66 31.7 22.3 41.5



#9
Trichlorofluoromethane
Concen: 38.113 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion:101 Resp: 254241
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.8

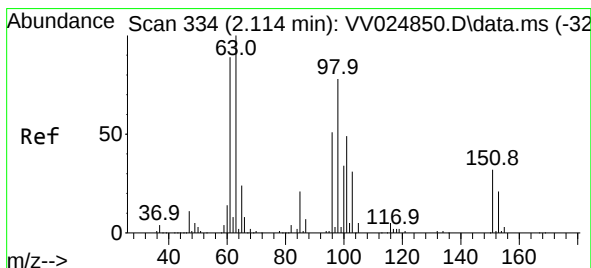
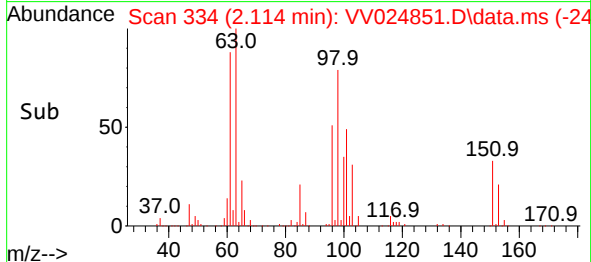
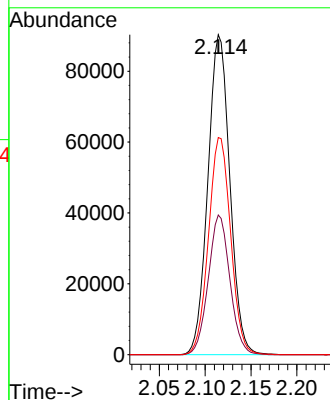
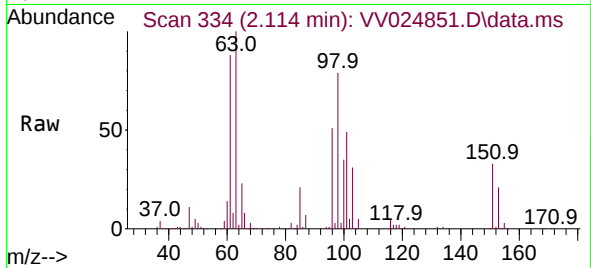




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.492 ug/L
 RT: 2.114 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV024851.D
 Acq: 02 Mar 2022 12:34

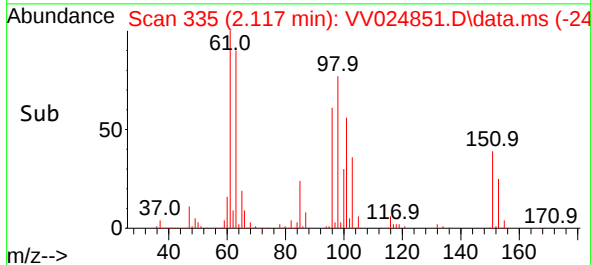
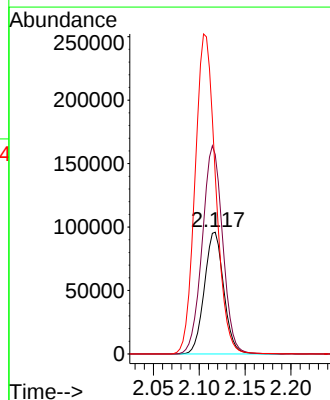
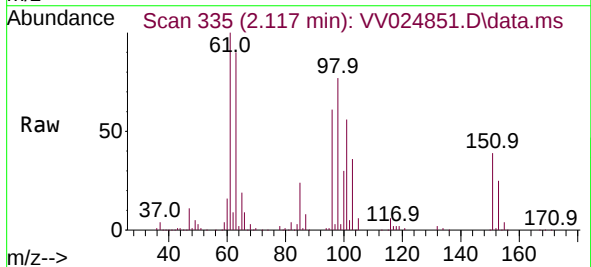
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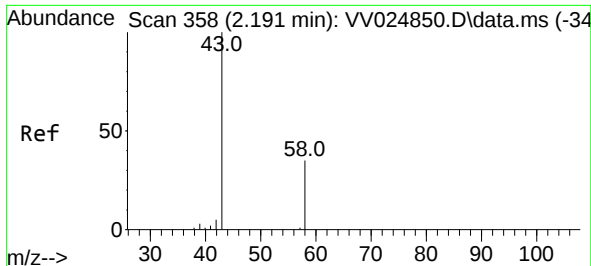
Tgt Ion:101 Resp: 150619
 Ion Ratio Lower Upper
 101 100
 85 42.9 33.8 50.6
 151 68.4 54.1 81.1



#12
 1,1-Dichloroethene
 Concen: 42.588 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV024851.D
 Acq: 02 Mar 2022 12:34

Tgt Ion: 96 Resp: 140934
 Ion Ratio Lower Upper
 96 100
 61 163.7 122.1 226.7
 63 147.0 139.5 259.1





#13

Acetone

Concen: 77.176 ug/L

RT: 2.188 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

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ClientSampleId :

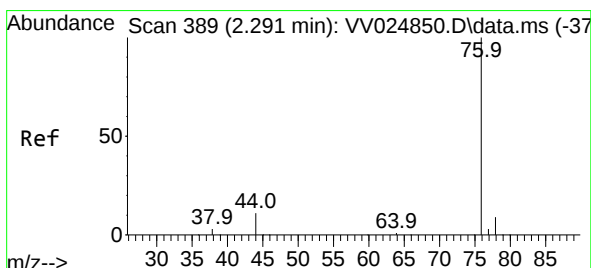
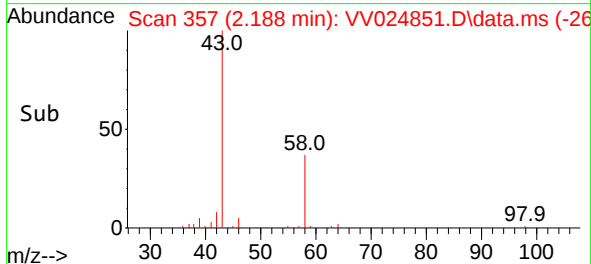
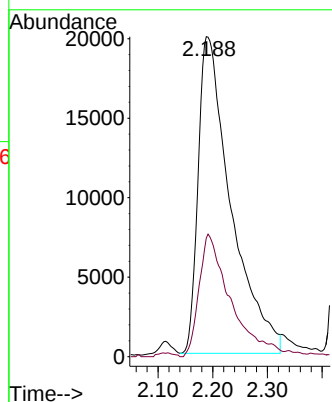
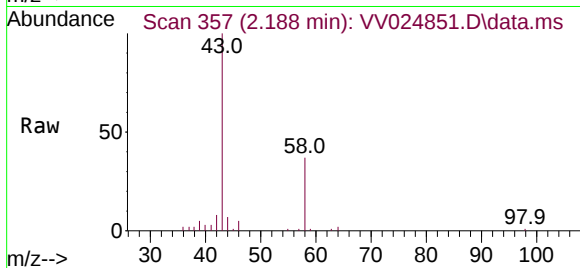
VSTD050204

Tgt Ion: 43 Resp: 82770

Ion Ratio Lower Upper

43 100

58 35.0 0.0 70.0



#14

Carbon disulfide

Concen: 42.923 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV024851.D

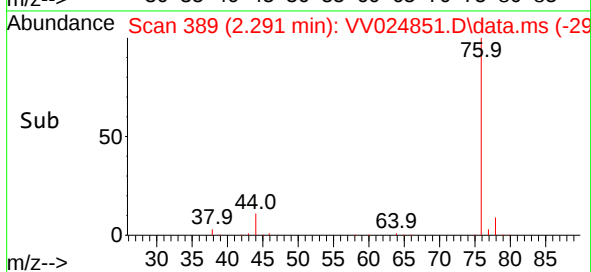
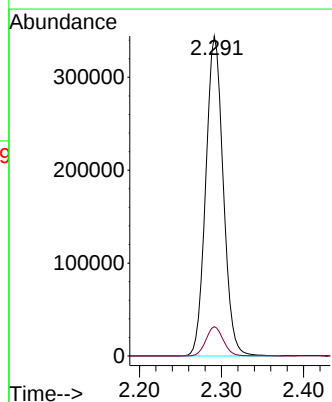
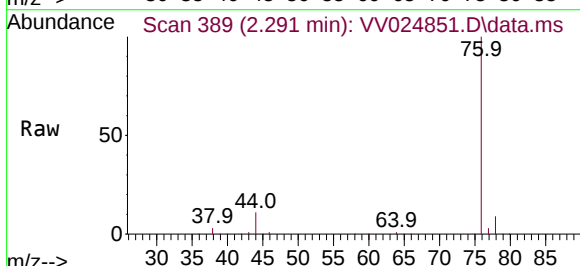
Acq: 02 Mar 2022 12:34

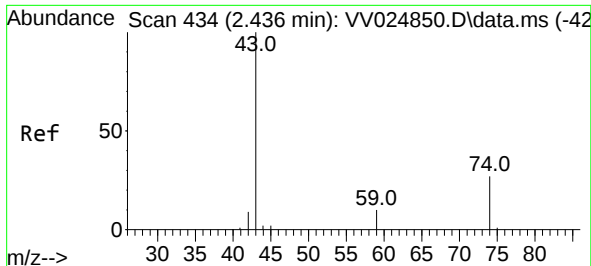
Tgt Ion: 76 Resp: 509657

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

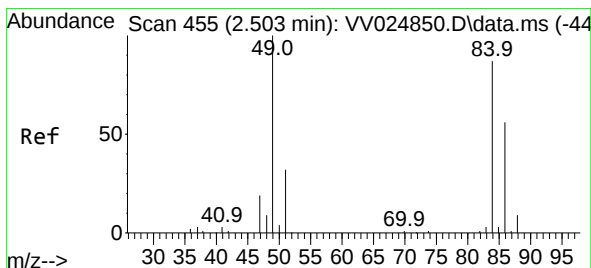
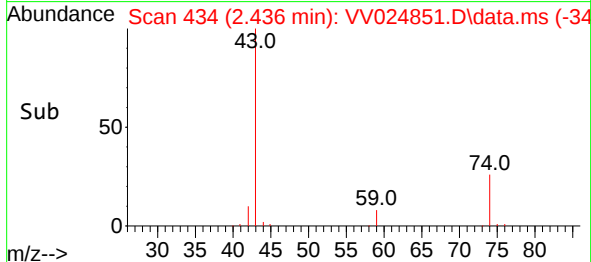
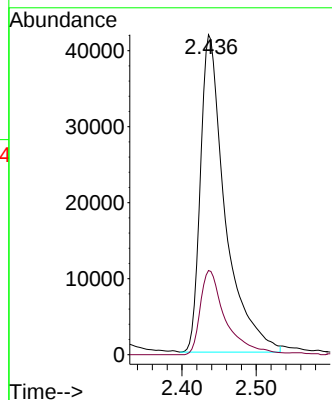
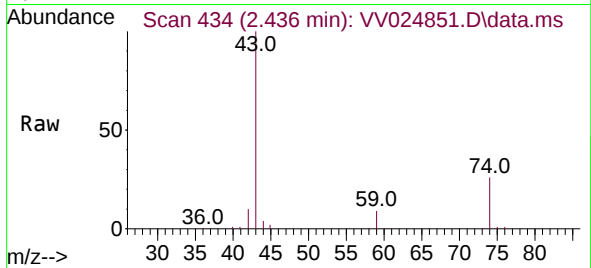




#15
Methyl Acetate
Concen: 59.029 ug/L
RT: 2.436 min Scan# 415
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

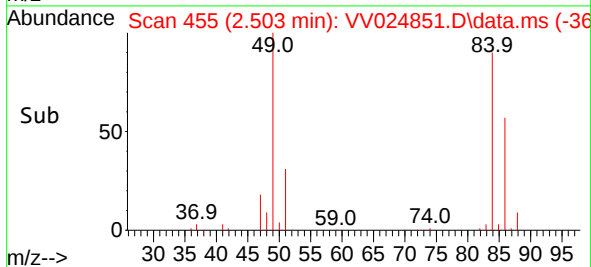
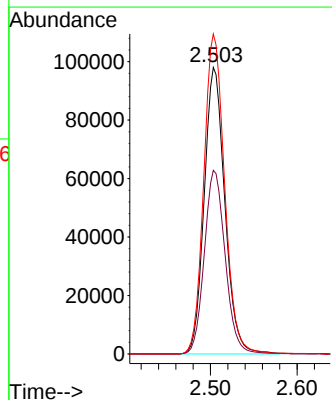
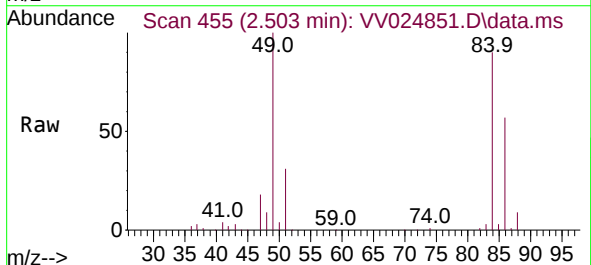
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

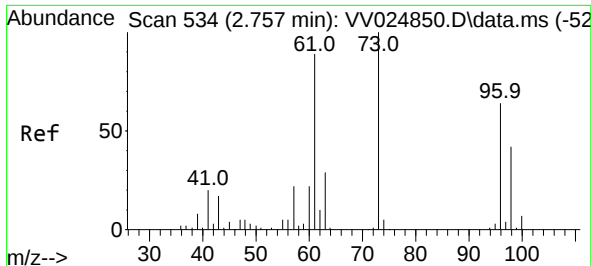
Tgt Ion: 43 Resp: 96647
Ion Ratio Lower Upper
43 100
74 27.2 21.7 32.5



#16
Methylene chloride
Concen: 32.580 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 84 Resp: 162264
Ion Ratio Lower Upper
84 100
86 64.1 45.0 83.6
49 111.7 80.4 149.2





#17

trans-1,2-Dichloroethene

Concen: 41.859 ug/L

RT: 2.757 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050204

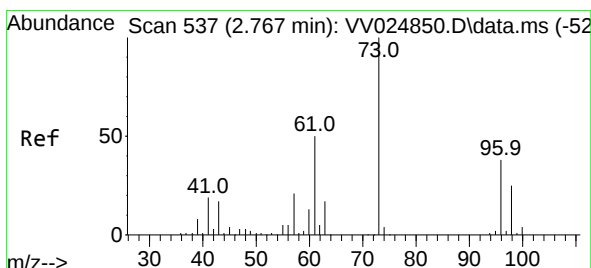
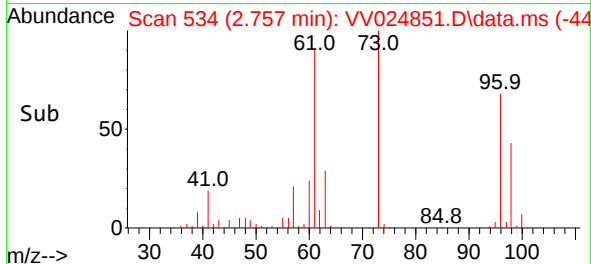
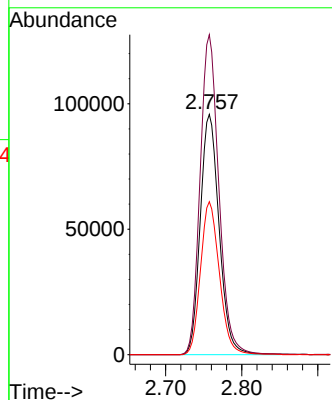
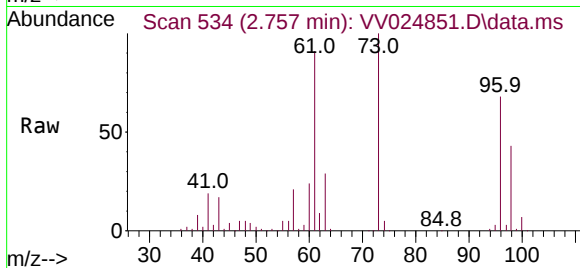
Tgt Ion: 96 Resp: 165052

Ion Ratio Lower Upper

96 100

61 133.1 96.4 179.0

98 63.6 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 42.998 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

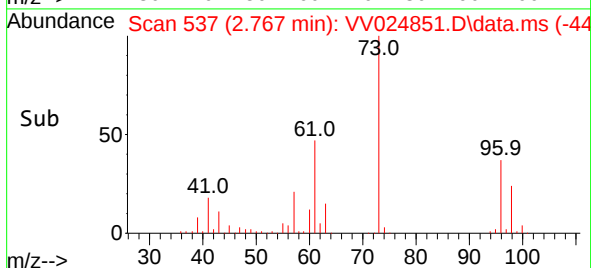
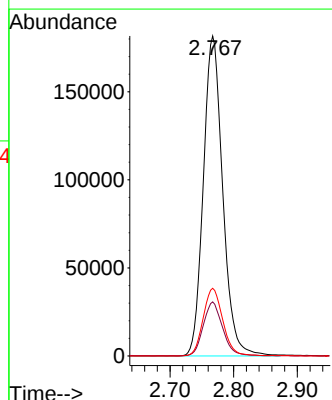
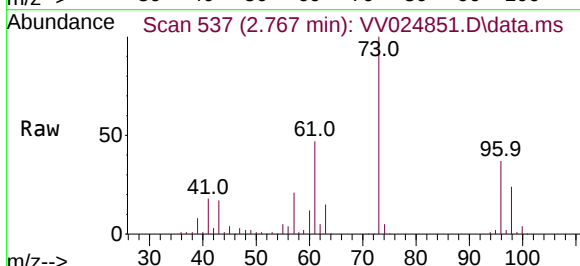
Tgt Ion: 73 Resp: 384971

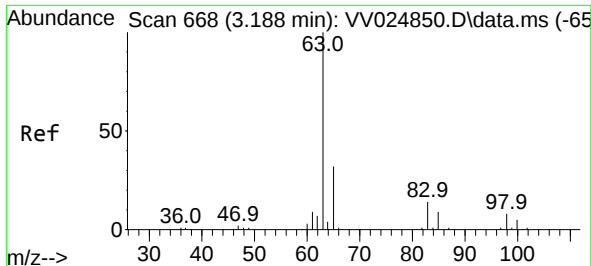
Ion Ratio Lower Upper

73 100

43 16.6 13.6 20.4

57 21.4 17.0 25.6





#19

1,1-Dichloroethane

Concen: 42.585 ug/L

RT: 3.188 min Scan# 668

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050204

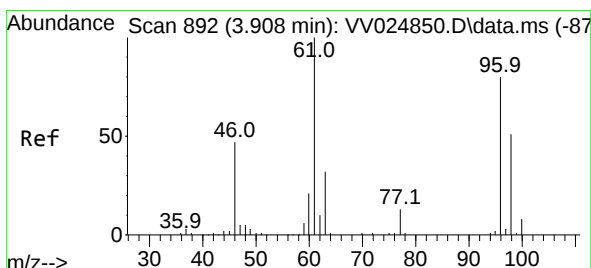
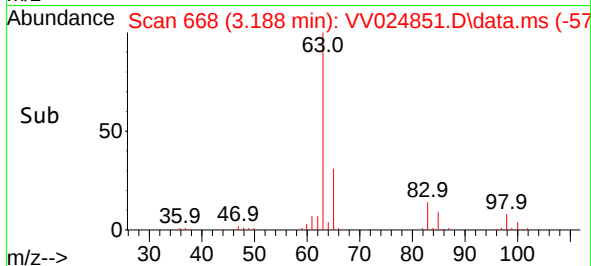
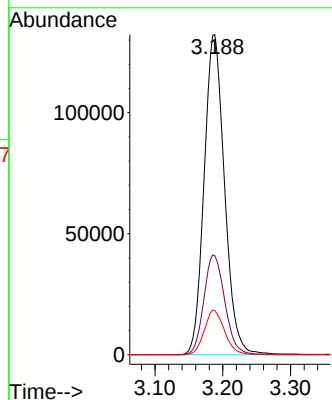
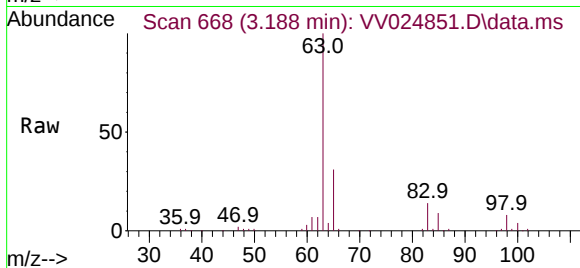
Tgt Ion: 63 Resp: 276609

Ion Ratio Lower Upper

63 100

65 30.9 22.7 42.3

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 42.067 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

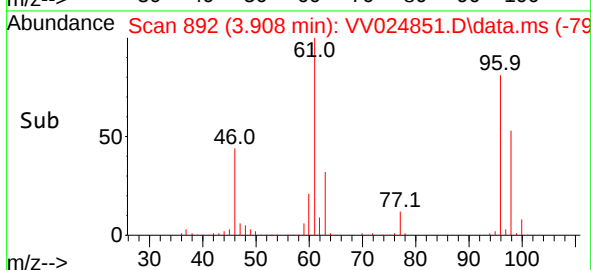
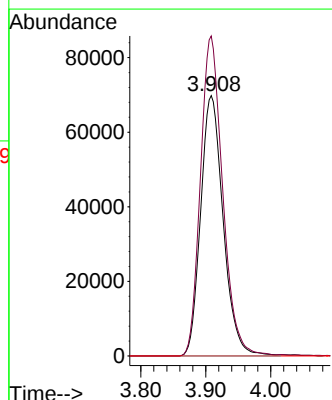
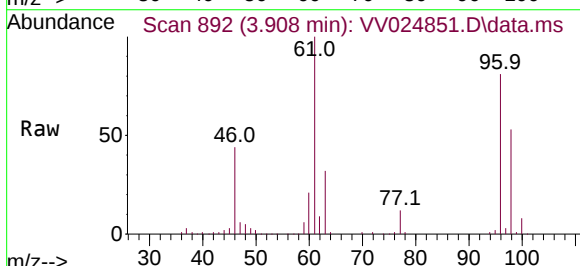
Tgt Ion: 96 Resp: 168653

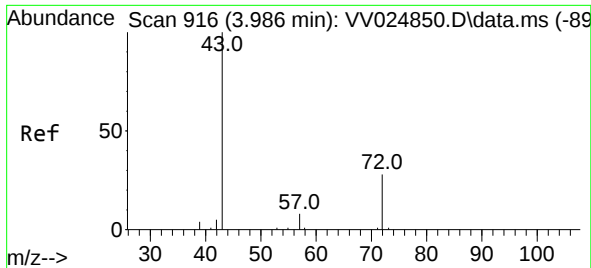
Ion Ratio Lower Upper

96 100

61 122.9 87.4 162.2

68 0.0 0.0 0.0

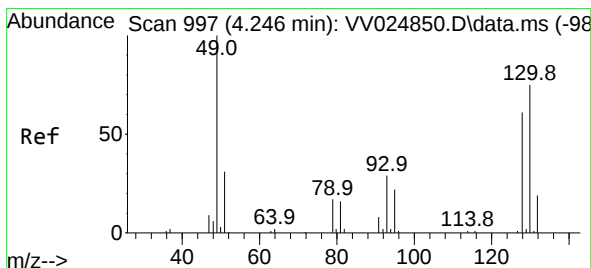
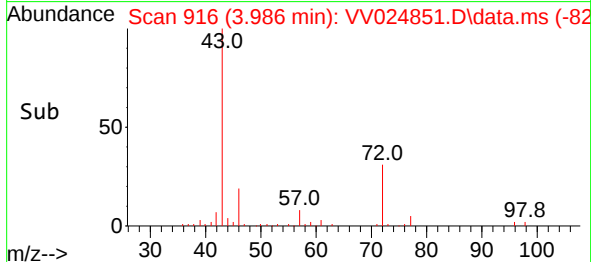
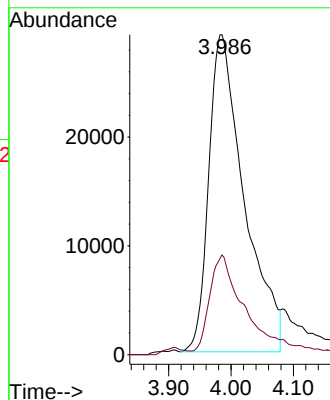
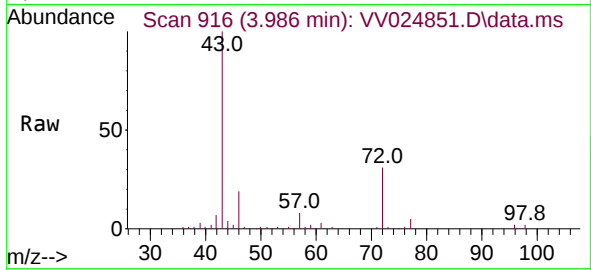




#22
2-Butanone
Concen: 103.131 ug/L
RT: 3.986 min Scan# 916
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

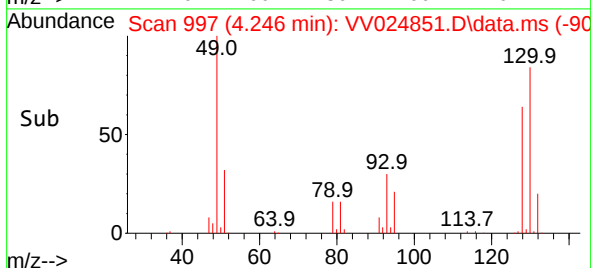
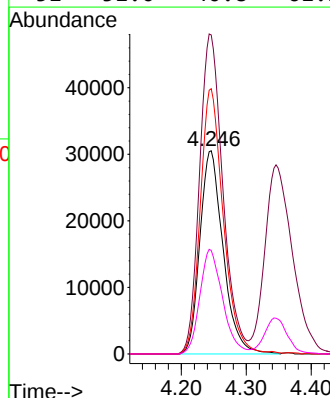
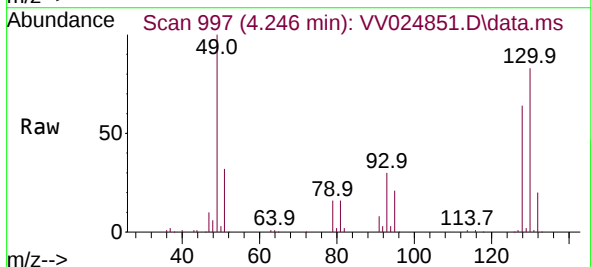
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

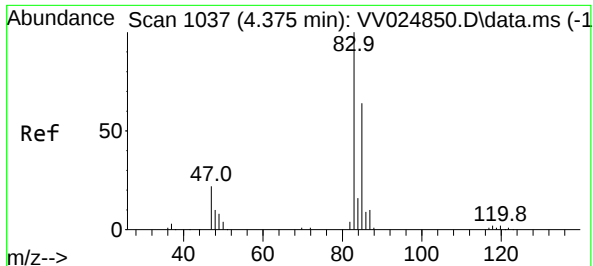
Tgt Ion: 43 Resp: 115423
Ion Ratio Lower Upper
43 100
72 27.6 11.7 35.1



#23
Bromochloromethane
Concen: 38.052 ug/L
RT: 4.246 min Scan# 997
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 128 Resp: 75921
Ion Ratio Lower Upper
128 100
49 157.0 115.2 214.0
130 130.6 86.7 160.9
51 51.0 40.8 61.2





#25

Chloroform

Concen: 39.971 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

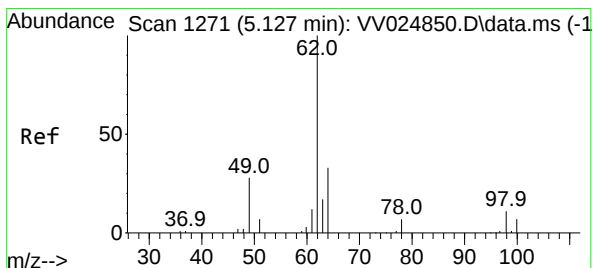
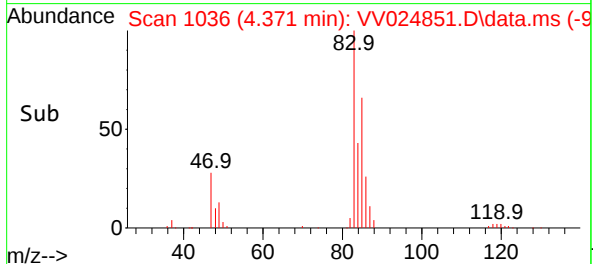
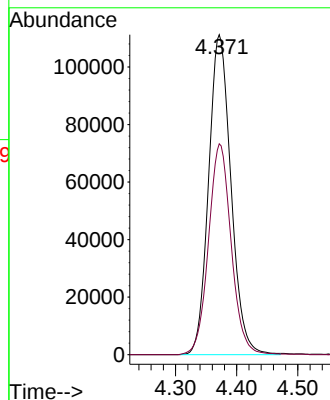
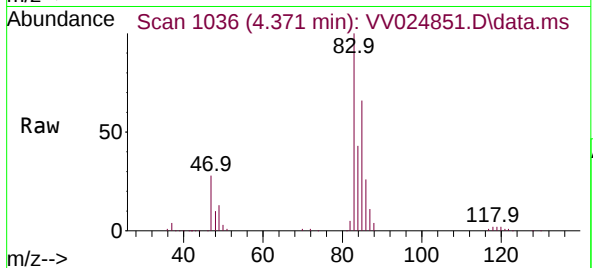
VSTD050204

Tgt Ion: 83 Resp: 282518

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 39.454 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VV024851.D

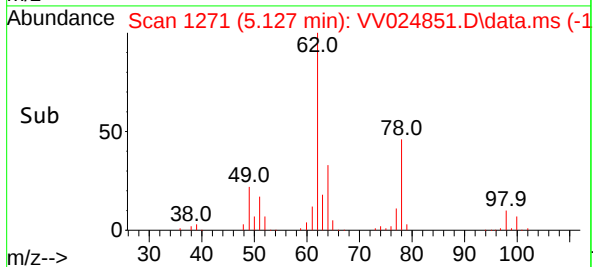
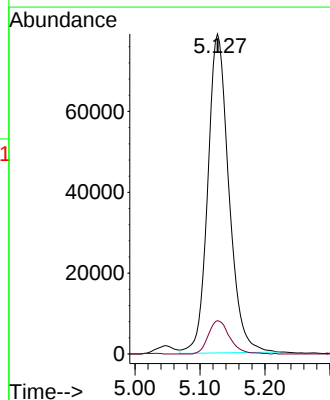
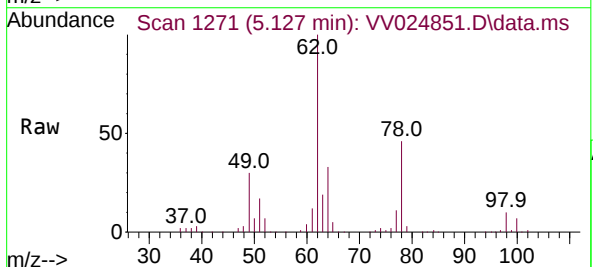
Acq: 02 Mar 2022 12:34

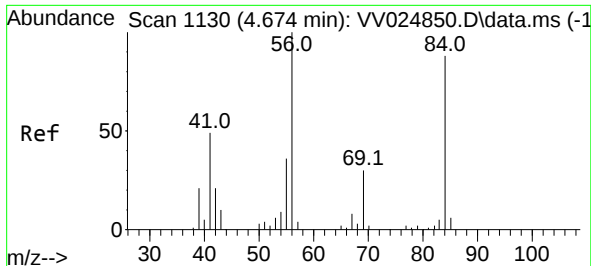
Tgt Ion: 62 Resp: 178738

Ion Ratio Lower Upper

62 100

98 10.4 8.6 13.0

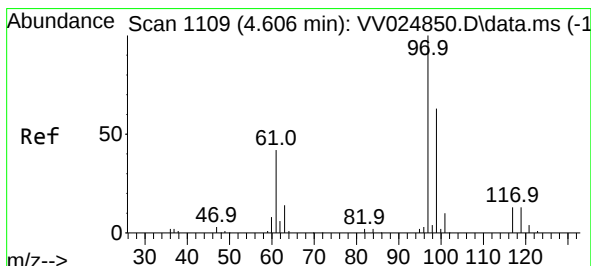
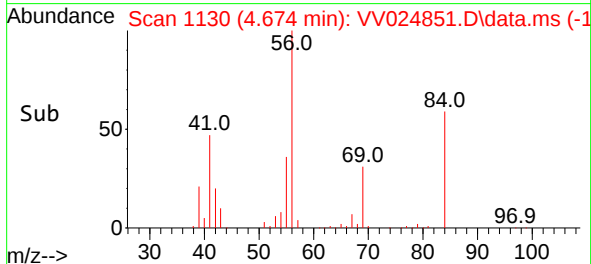
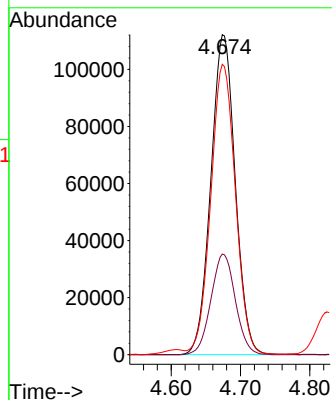
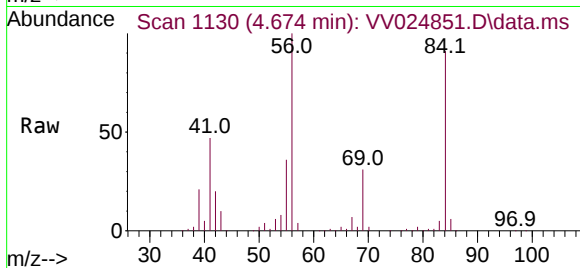




#29
Cyclohexane
Concen: 49.979 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

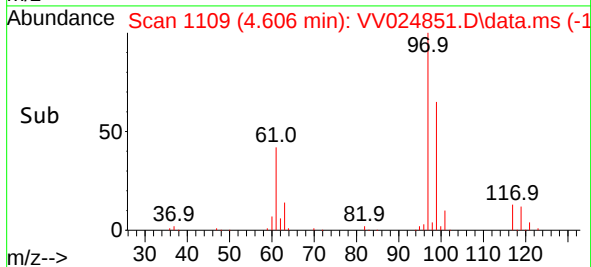
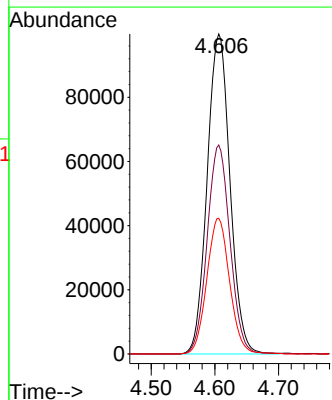
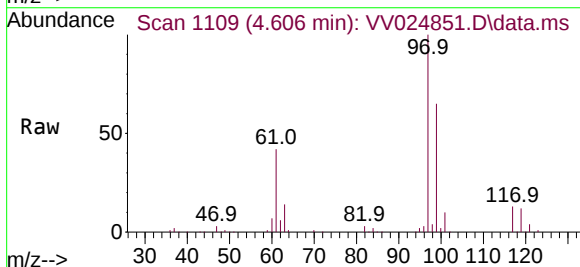
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

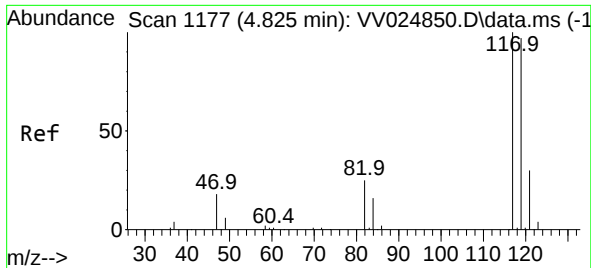
Tgt Ion: 56 Resp: 274583
Ion Ratio Lower Upper
56 100
69 31.4 24.8 37.2
84 91.9 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 40.956 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 97 Resp: 249025
Ion Ratio Lower Upper
97 100
99 65.3 50.2 75.4
61 42.2 33.8 50.6

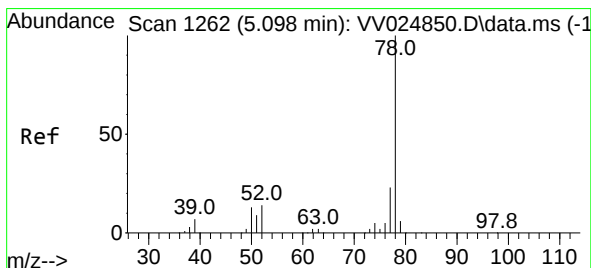
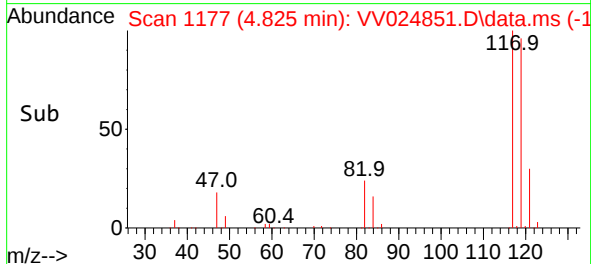
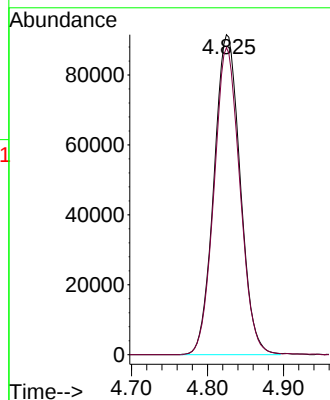
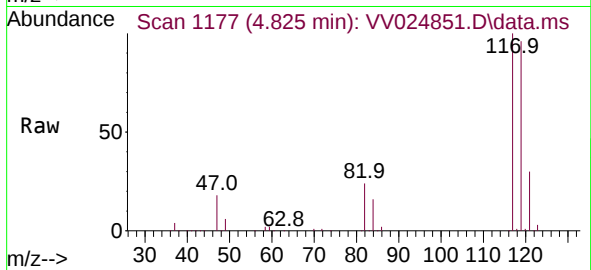




#31
Carbon tetrachloride
Concen: 40.315 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

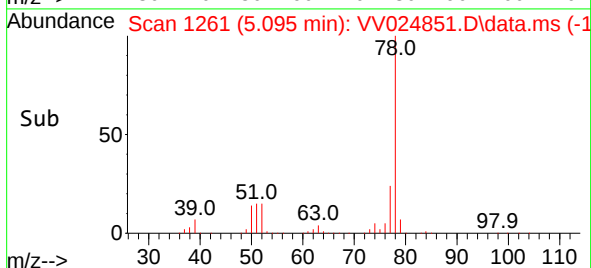
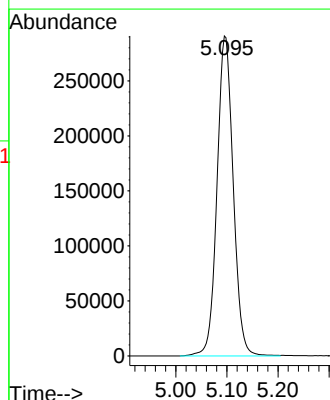
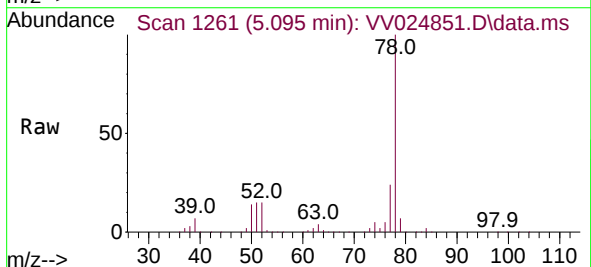
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

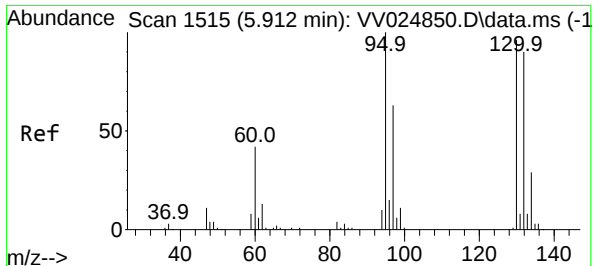
Tgt Ion:117 Resp: 219005
Ion Ratio Lower Upper
117 100
119 94.8 76.6 115.0



#33
Benzene
Concen: 44.801 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 78 Resp: 640500





#34

Trichloroethene

Concen: 46.410 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050204

Tgt Ion: 95 Resp: 183836

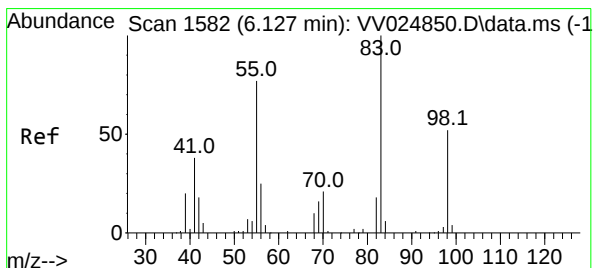
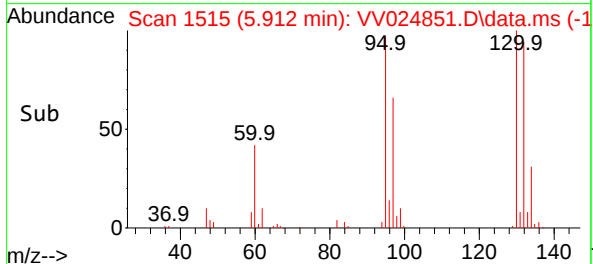
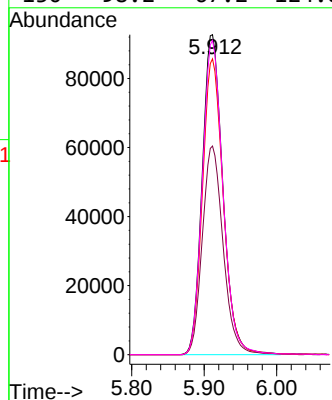
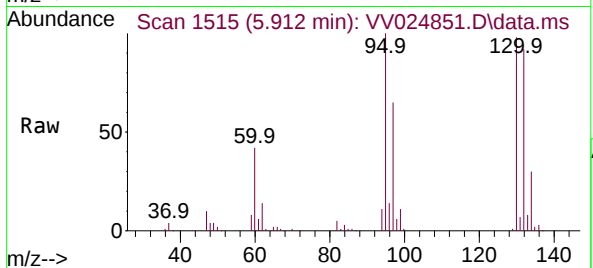
Ion Ratio Lower Upper

95 100

97 65.2 43.8 81.4

132 92.5 63.1 117.1

130 98.2 67.2 124.8



#35

Methylcyclohexane

Concen: 49.121 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

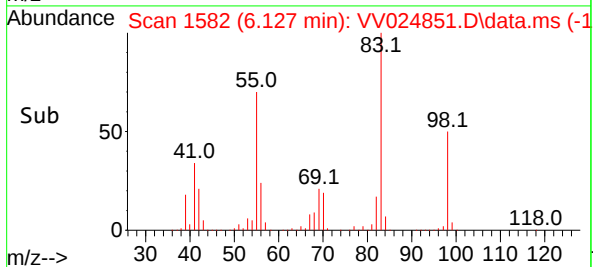
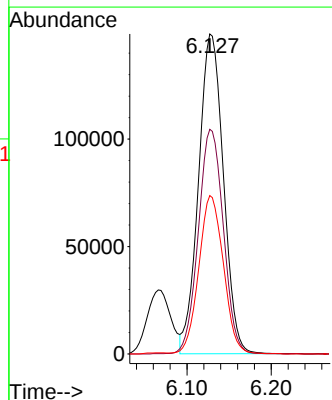
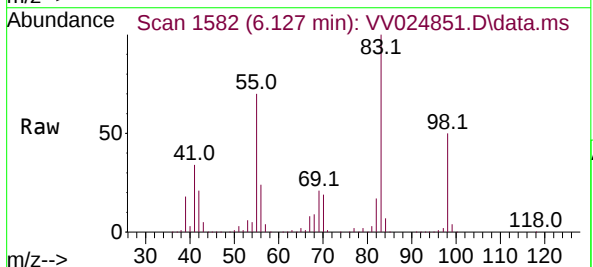
Tgt Ion: 83 Resp: 305689

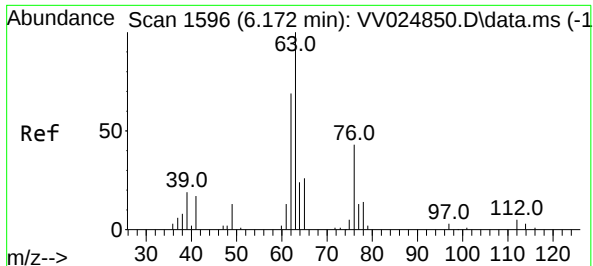
Ion Ratio Lower Upper

83 100

55 70.5 58.3 87.5

98 49.2 39.2 58.8





#37

1,2-Dichloropropane

Concen: 46.505 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

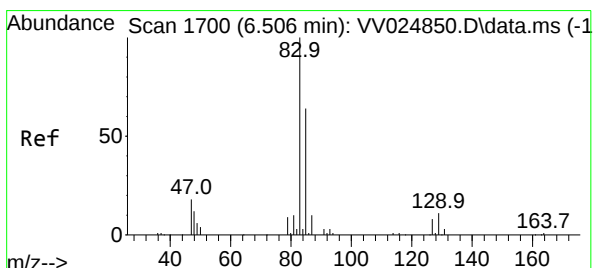
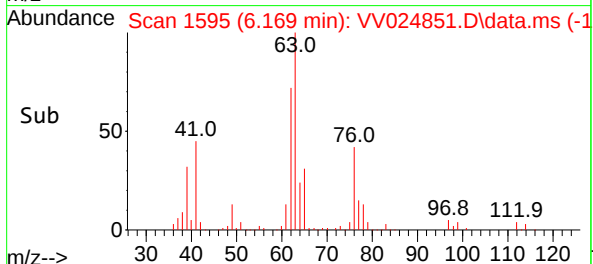
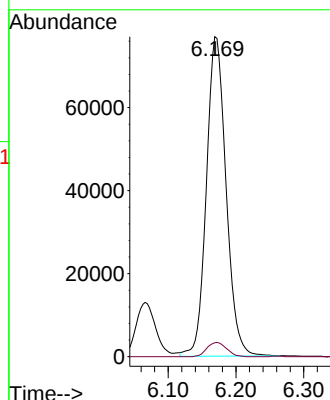
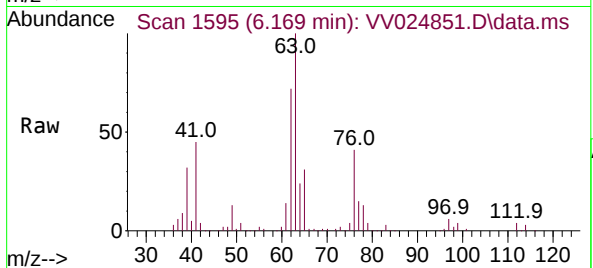
VSTD050204

Tgt Ion: 63 Resp: 155169

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 41.915 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

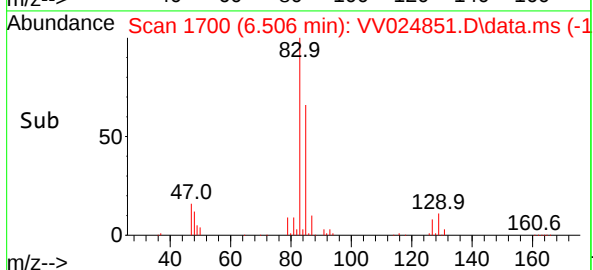
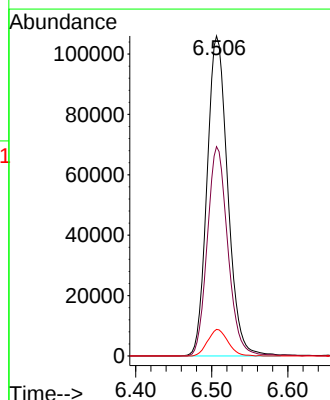
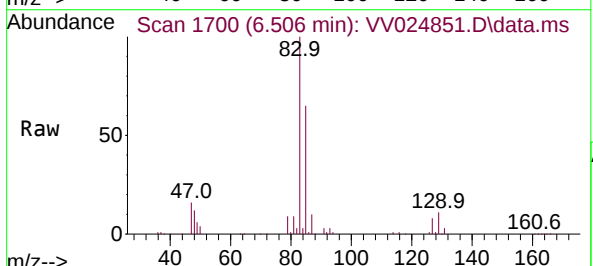
Tgt Ion: 83 Resp: 200185

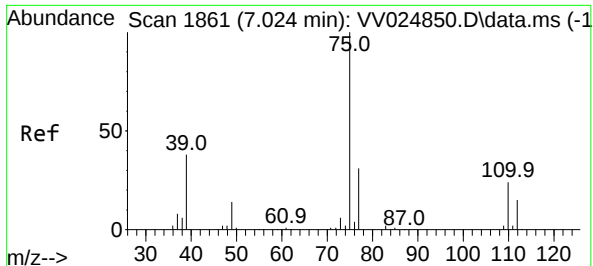
Ion Ratio Lower Upper

83 100

85 65.4 44.8 83.2

127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 47.201 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

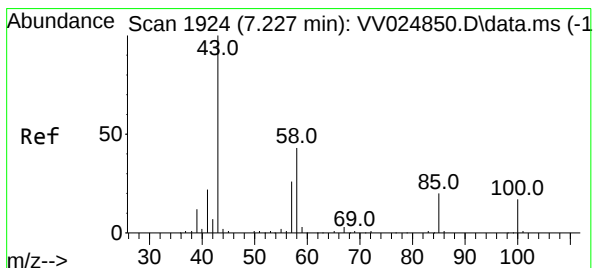
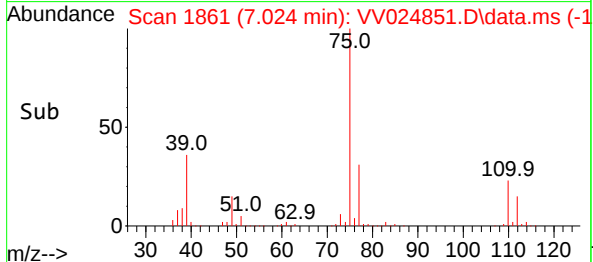
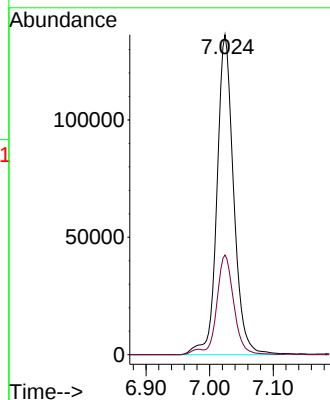
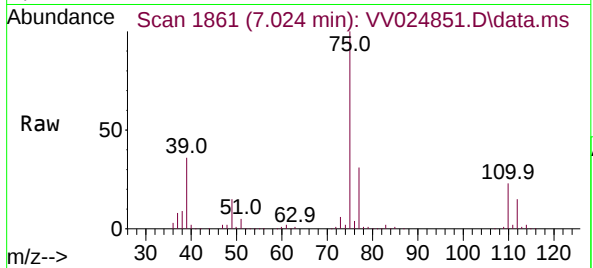
VSTD050204

Tgt Ion: 75 Resp: 248168

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 115.376 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

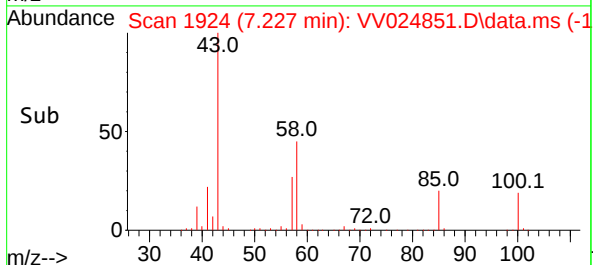
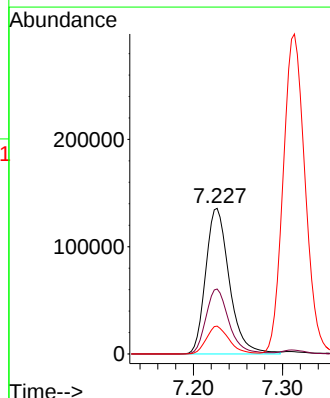
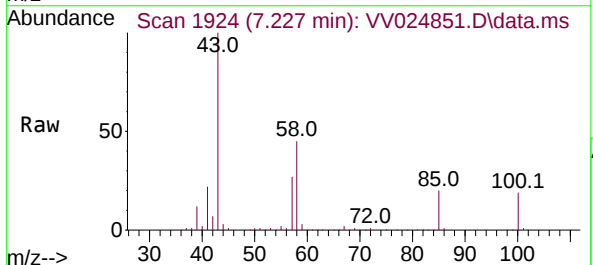
Tgt Ion: 43 Resp: 250718

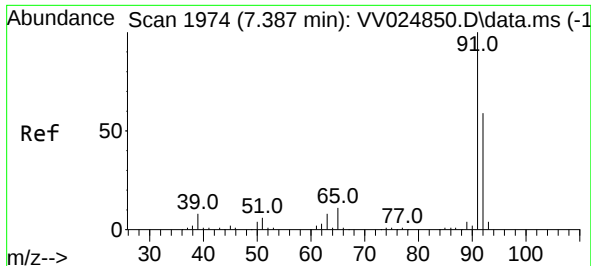
Ion Ratio Lower Upper

43 100

58 43.4 34.9 52.3

100 18.3 13.8 20.6





#42

Toluene

Concen: 44.595 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. -0.003 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

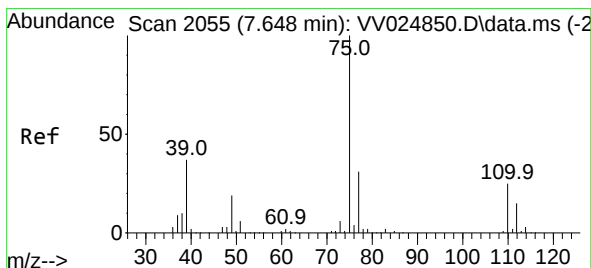
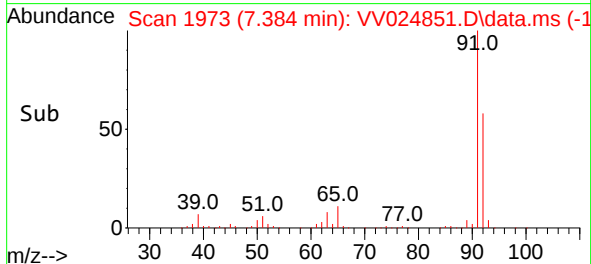
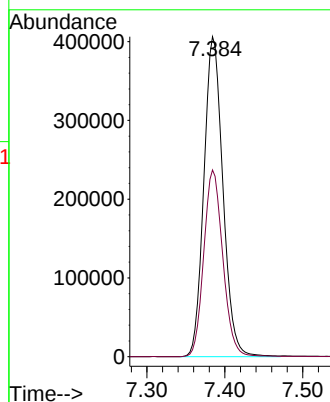
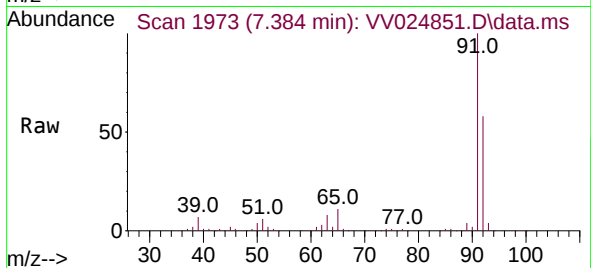
VSTD050204

Tgt Ion: 91 Resp: 688981

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 44.975 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV024851.D

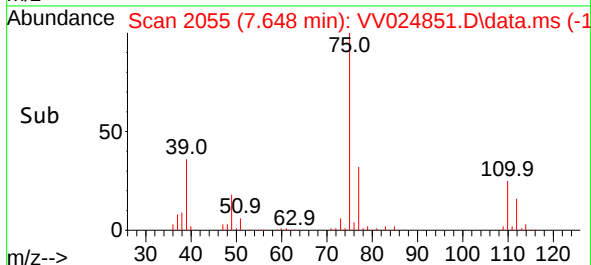
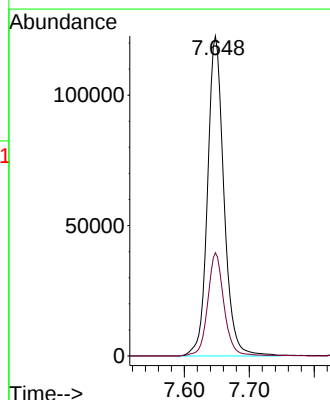
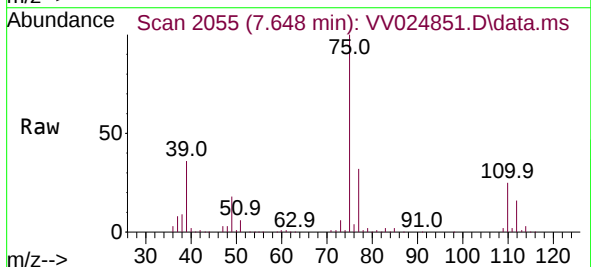
Acq: 02 Mar 2022 12:34

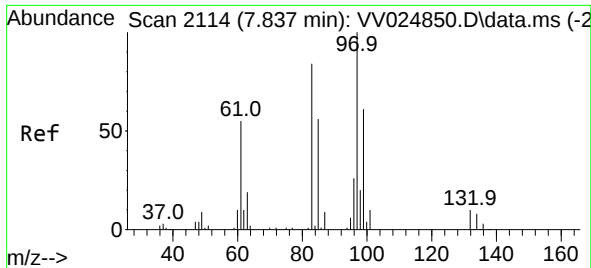
Tgt Ion: 75 Resp: 215222

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 44.666 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050204

Tgt Ion: 97 Resp: 129759

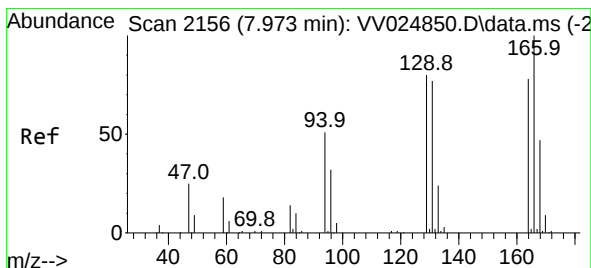
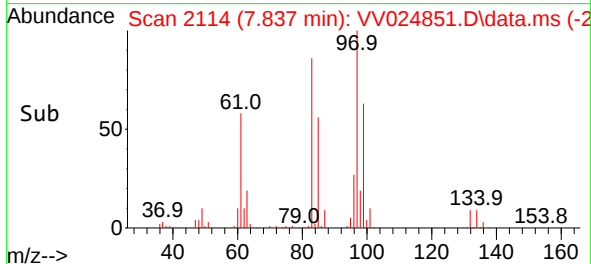
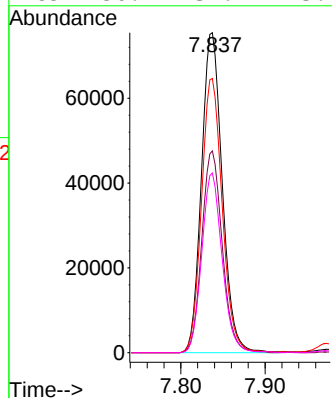
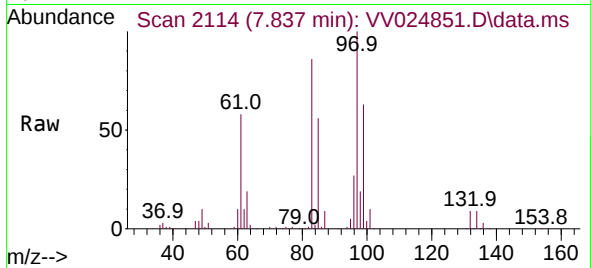
Ion Ratio Lower Upper

97 100

99 63.0 42.5 78.9

83 85.7 58.9 109.3

85 56.1 39.4 73.2



#46

Tetrachloroethene

Concen: 35.871 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Tgt Ion:164 Resp: 120163

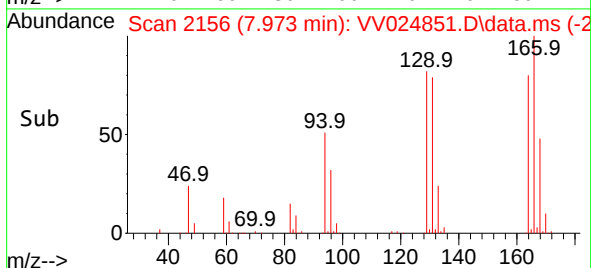
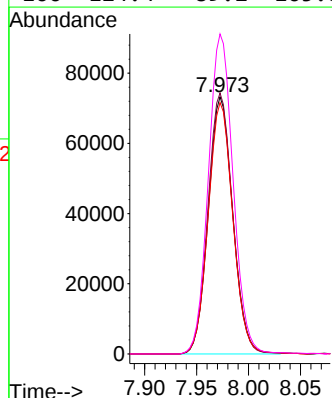
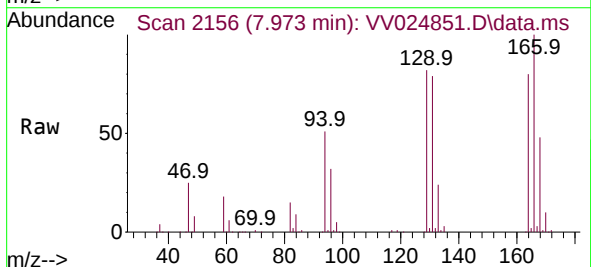
Ion Ratio Lower Upper

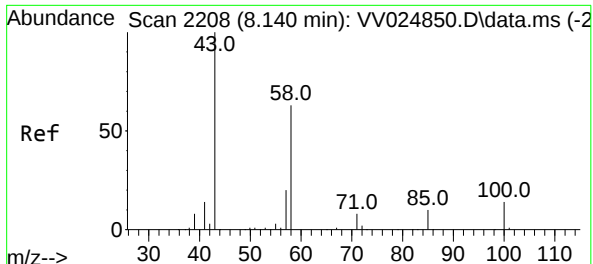
164 100

129 101.5 71.5 132.9

131 97.8 68.8 127.8

166 124.4 89.2 165.8



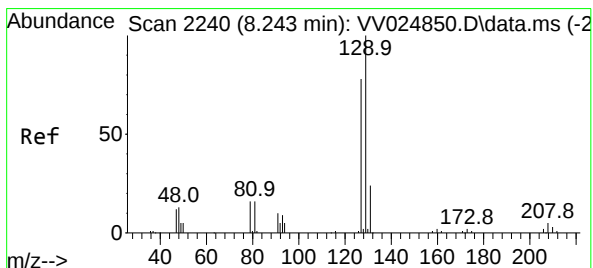
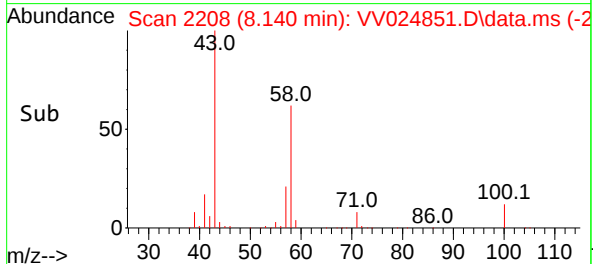
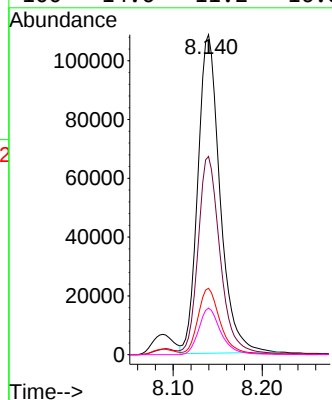
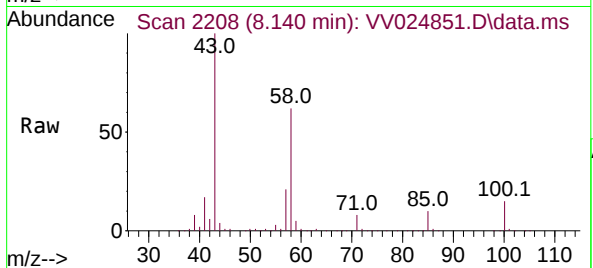


#48
2-Hexanone
Concen: 116.921 ug/L
RT: 8.140 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

Tgt Ion: 43 Resp: 187294

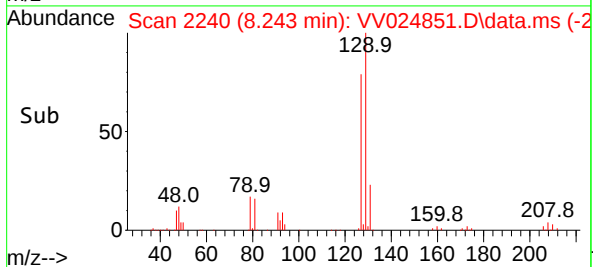
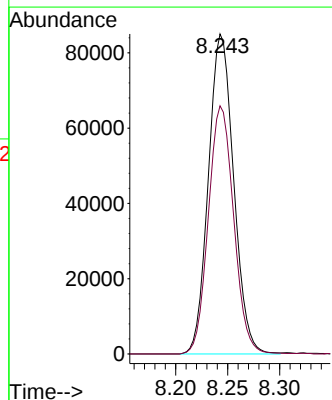
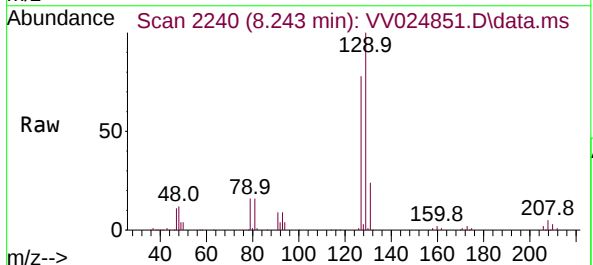
Ion	Ratio	Lower	Upper
43	100		
58	61.4	47.6	71.4
57	21.3	17.0	25.6
100	14.6	11.2	16.8

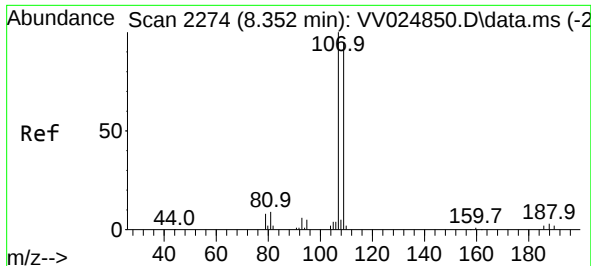


#49
Dibromochloromethane
Concen: 39.867 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 129 Resp: 143833

Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.9	101.9





#50

1,2-Dibromoethane

Concen: 45.418 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050204

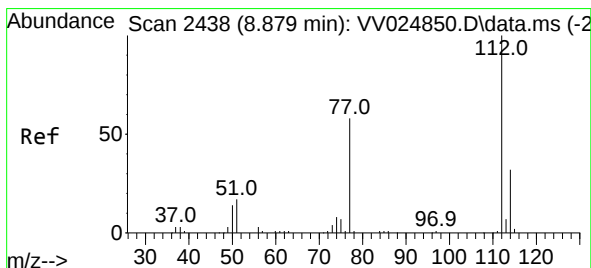
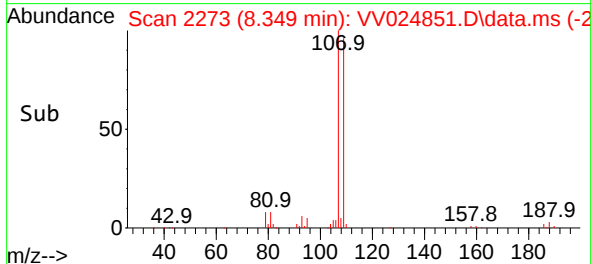
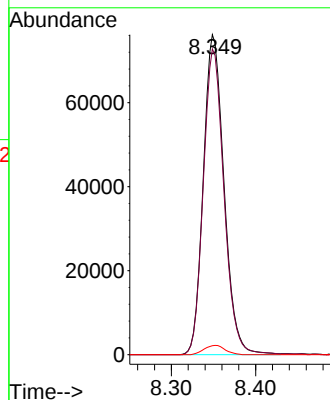
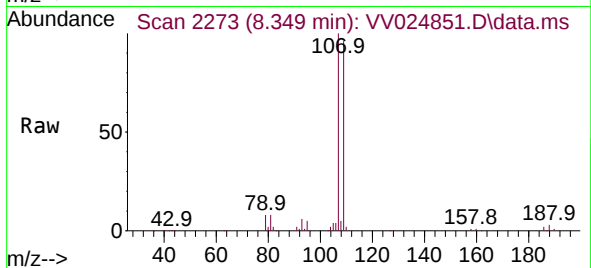
Tgt Ion:107 Resp: 130377

Ion Ratio Lower Upper

107 100

109 95.5 66.6 123.8

188 2.8 2.6 3.8



#51

Chlorobenzene

Concen: 40.385 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

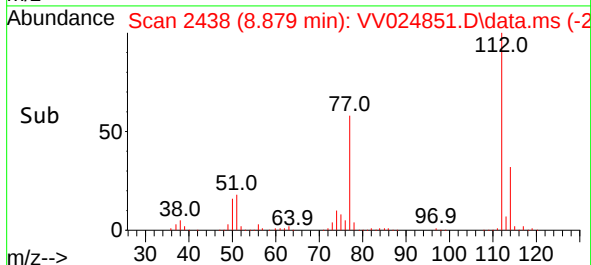
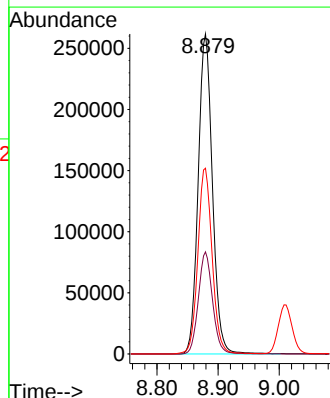
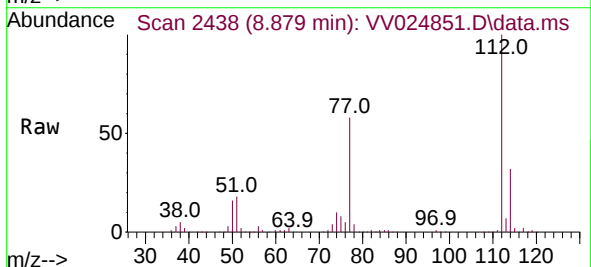
Tgt Ion:112 Resp: 423263

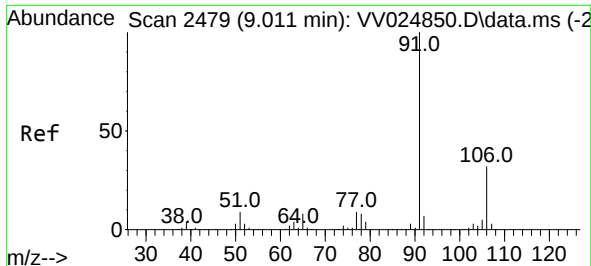
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.9

77 58.1 47.2 70.8

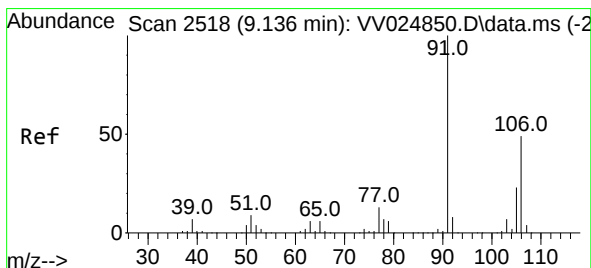
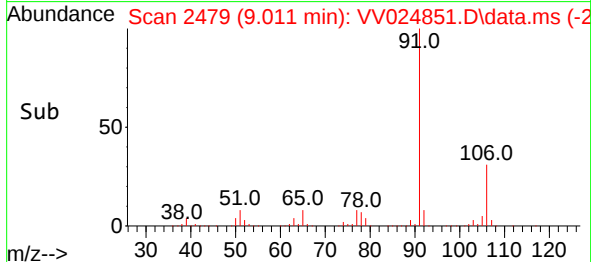
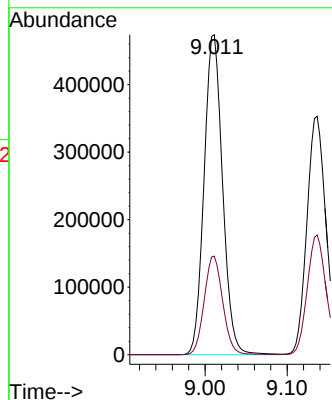
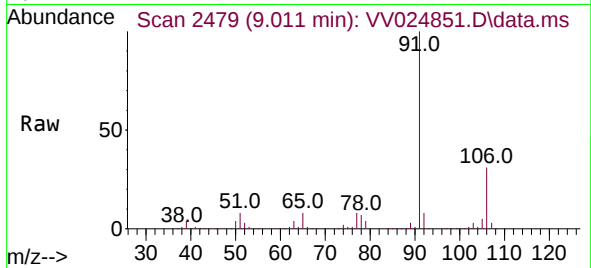




#52
Ethylbenzene
Concen: 44.594 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

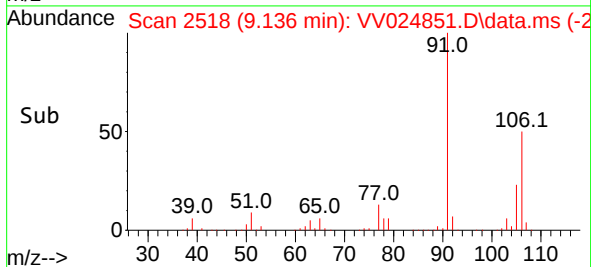
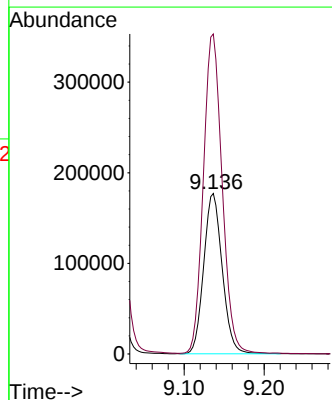
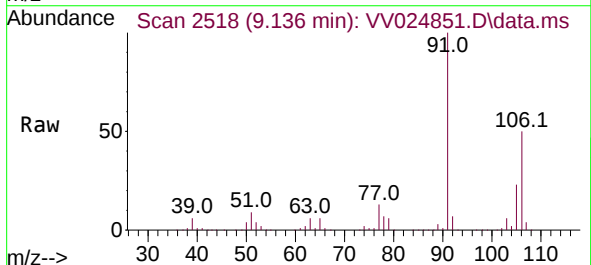
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

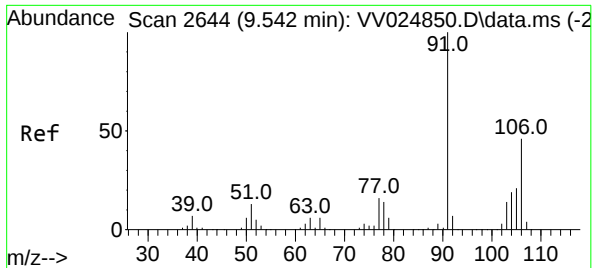
Tgt Ion: 91 Resp: 742371
Ion Ratio Lower Upper
91 100
106 30.8 22.0 41.0



#53
m,p-Xylene
Concen: 43.492 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 106 Resp: 285015
Ion Ratio Lower Upper
106 100
91 199.3 141.8 263.4

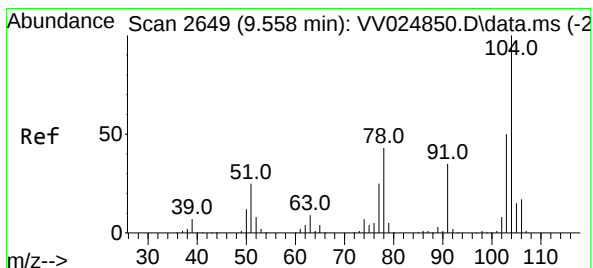
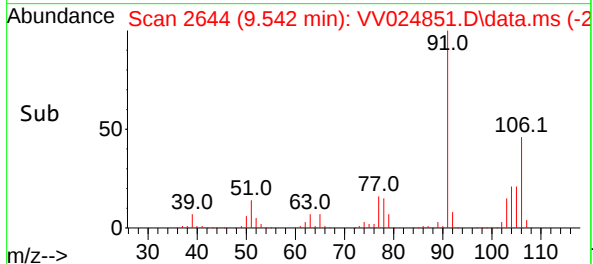
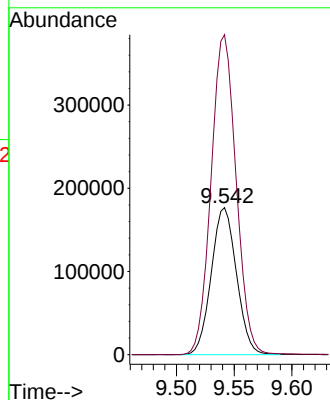
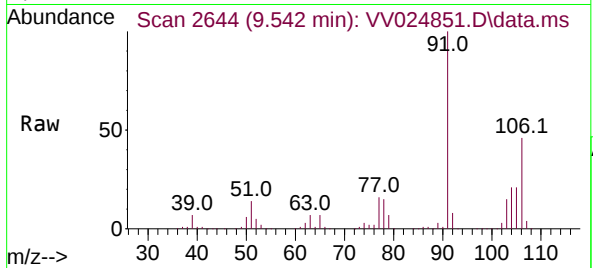




#54
o-Xylene
Concen: 43.220 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

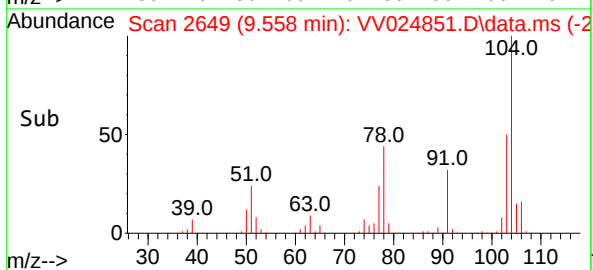
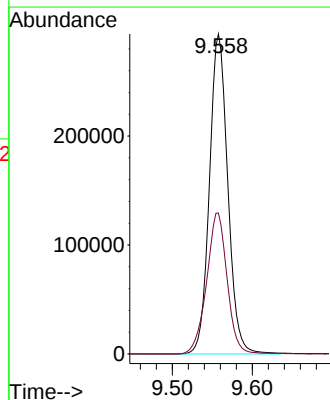
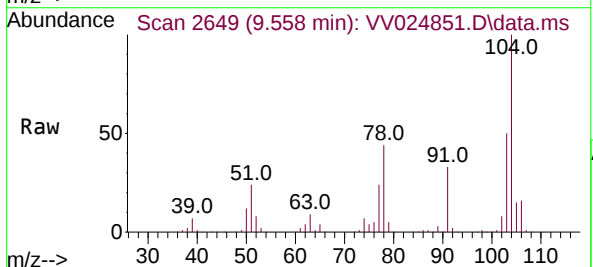
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

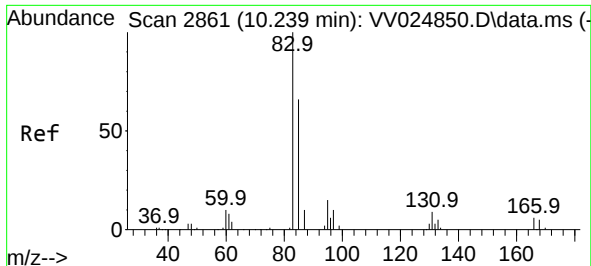
Tgt Ion:106 Resp: 268613
Ion Ratio Lower Upper
106 100
91 217.6 152.1 282.5



#55
Styrene
Concen: 43.850 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion:104 Resp: 468549
Ion Ratio Lower Upper
104 100
78 44.1 30.5 56.7

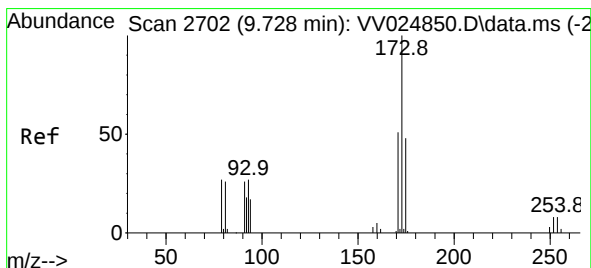
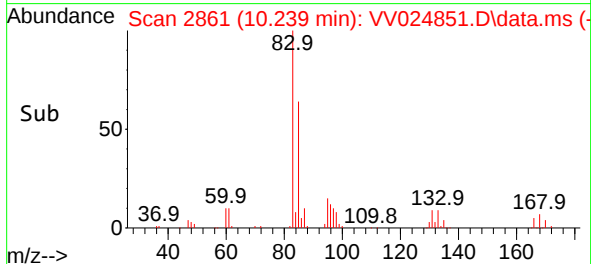
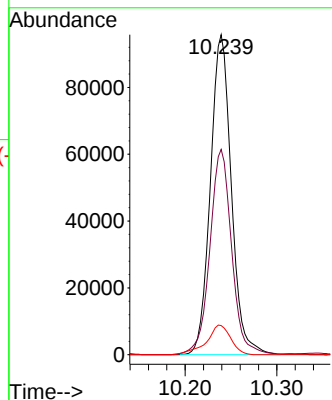
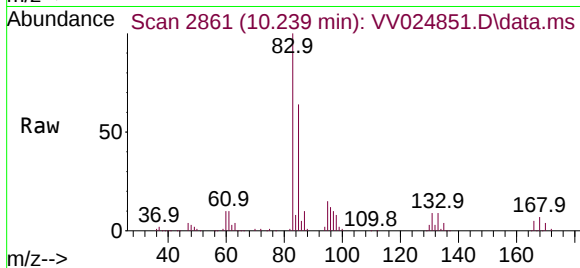




#57
1,1,2,2-Tetrachloroethane
Concen: 46.415 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

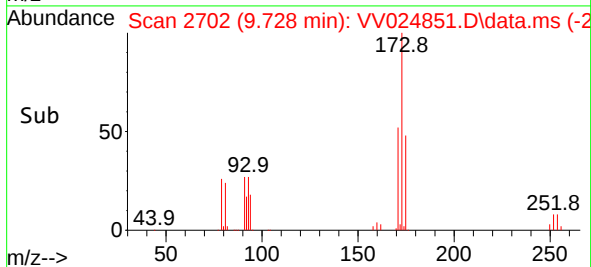
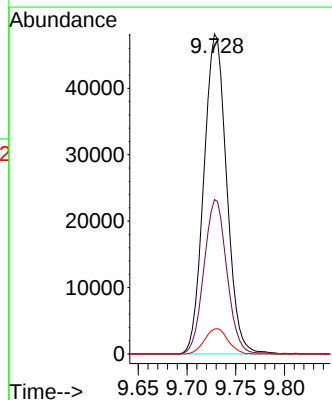
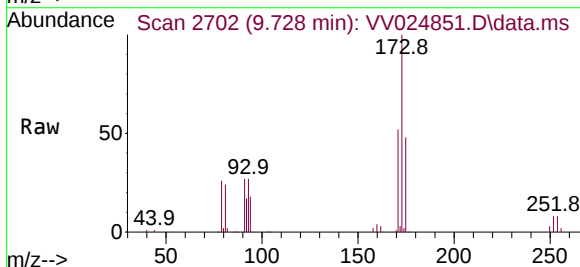
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

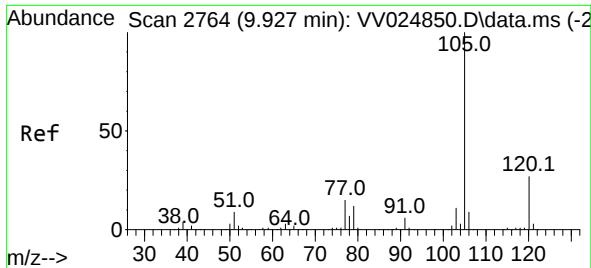
Tgt Ion: 83 Resp: 151997
Ion Ratio Lower Upper
83 100
85 64.1 46.5 86.3
131 9.1 7.8 11.8



#59
Bromoform
Concen: 41.072 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 173 Resp: 78363
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 8.0 6.2 9.2

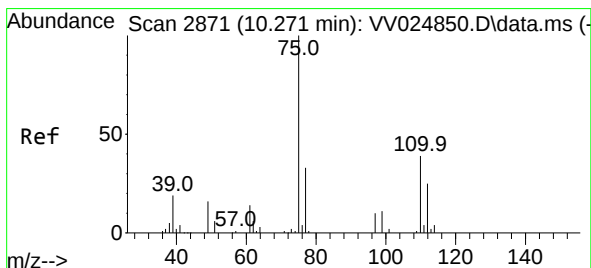
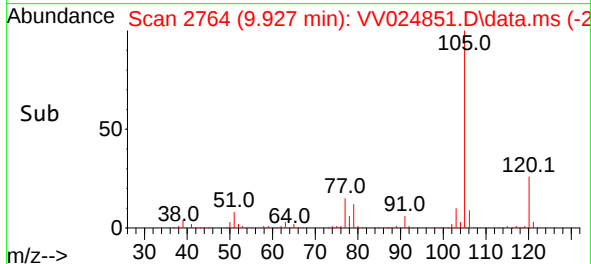
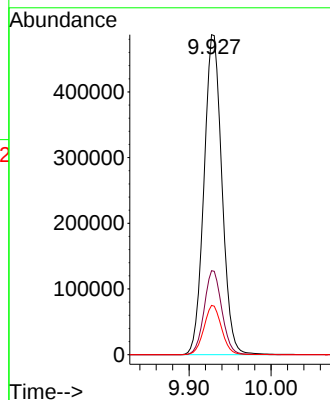
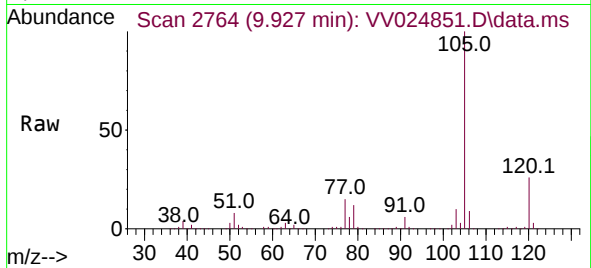




#60
Isopropylbenzene
Concen: 50.035 ug/L
RT: 9.927 min Scan# 2764
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

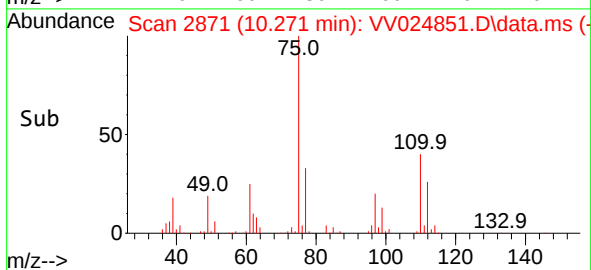
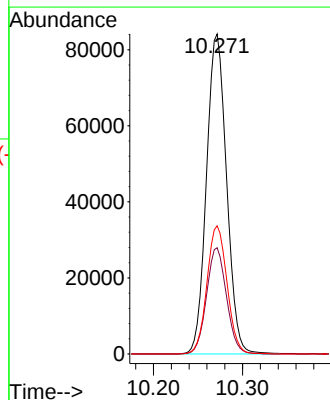
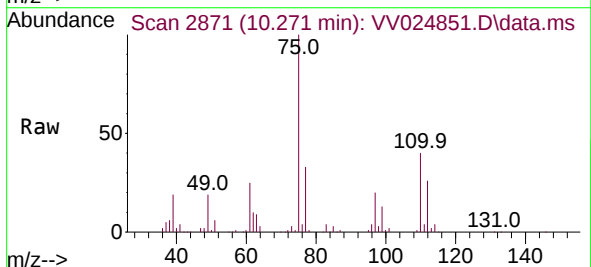
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

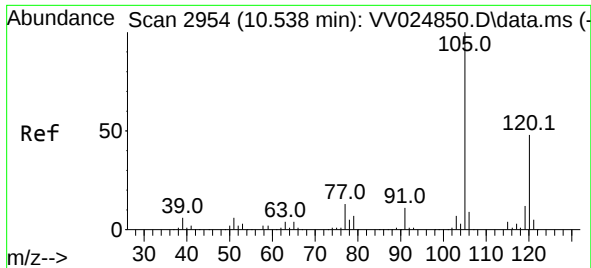
Tgt Ion:105 Resp: 740101
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 15.2 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 57.851 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 75 Resp: 131807
Ion Ratio Lower Upper
75 100
77 33.0 26.7 40.1
110 40.1 31.4 47.2

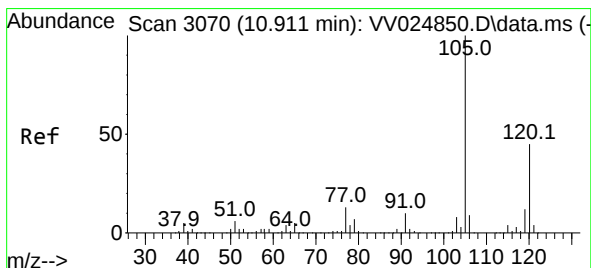
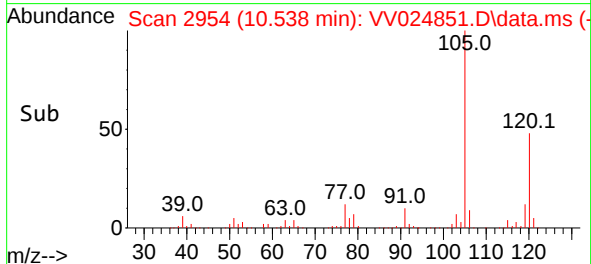
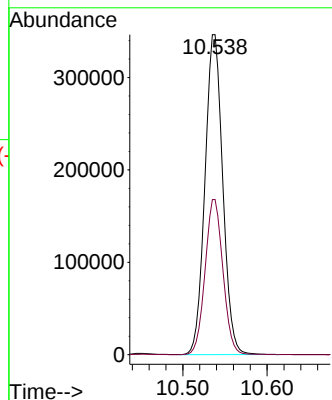
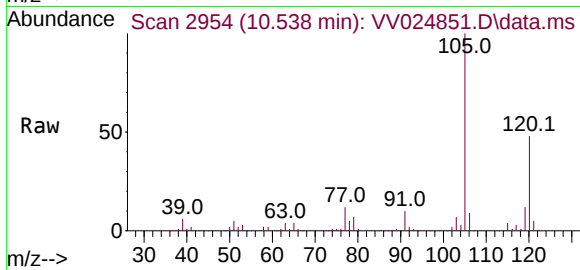




#62
1,3,5-Trimethylbenzene
Concen: 41.403 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

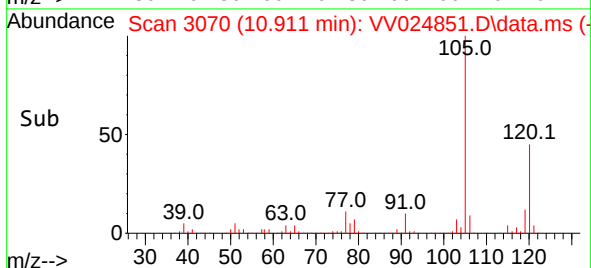
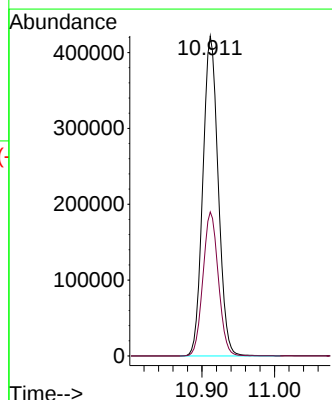
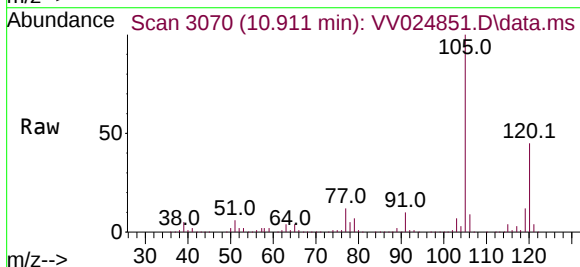
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

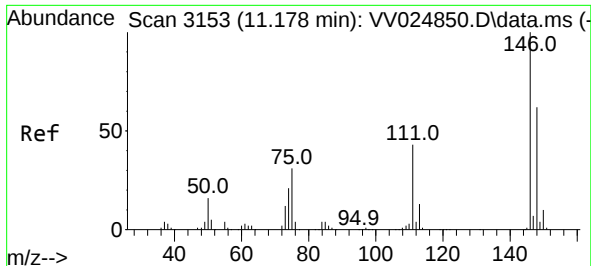
Tgt Ion:105 Resp: 510240
Ion Ratio Lower Upper
105 100
120 48.6 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 49.081 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion:105 Resp: 620905
Ion Ratio Lower Upper
105 100
120 45.0 35.8 53.8

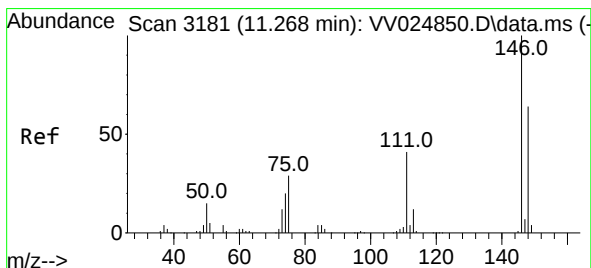
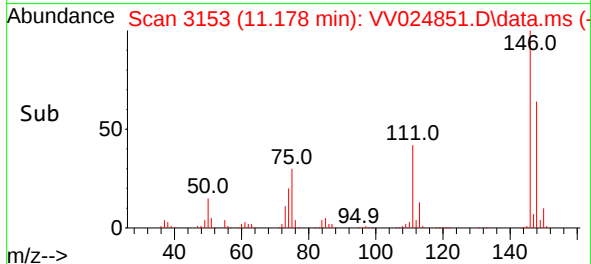
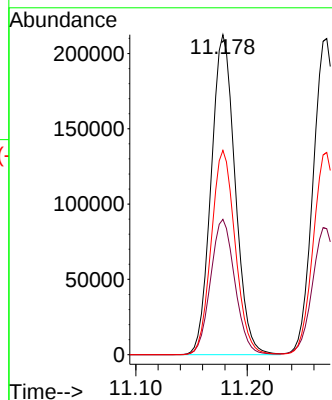
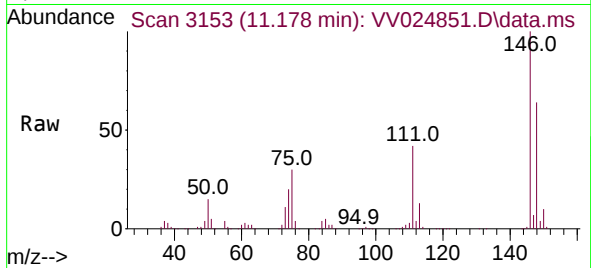




#64
1,3-Dichlorobenzene
Concen: 41.642 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

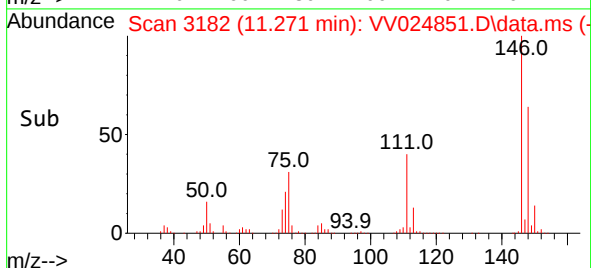
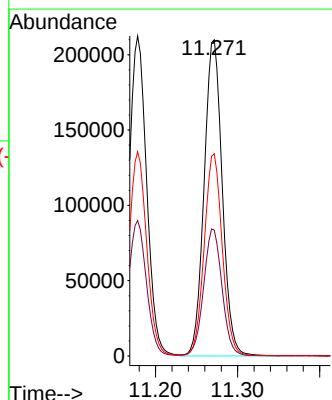
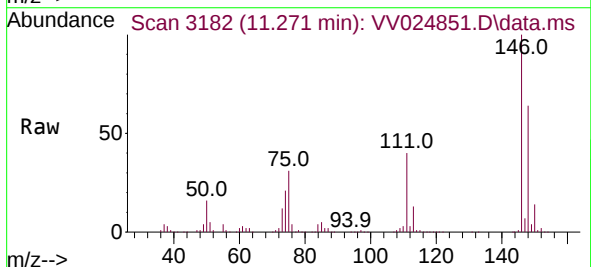
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

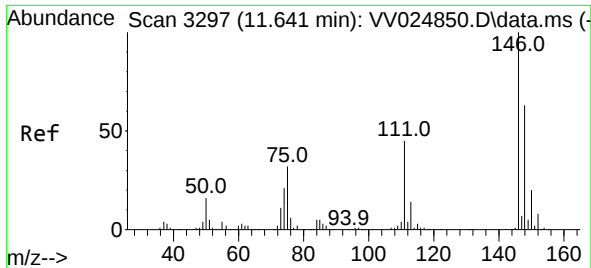
Tgt Ion:146 Resp: 318136
Ion Ratio Lower Upper
146 100
111 42.3 30.0 55.6
148 63.9 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 41.558 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion:146 Resp: 323050
Ion Ratio Lower Upper
146 100
111 39.8 29.2 54.2
148 64.0 45.1 83.7

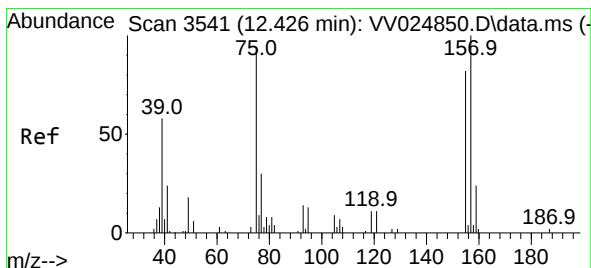
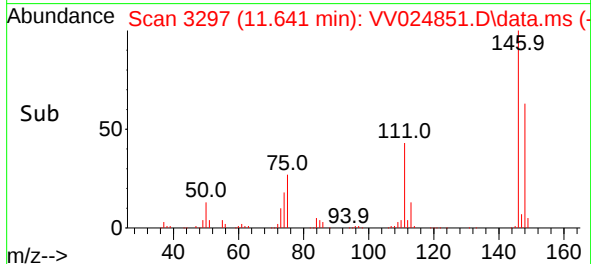
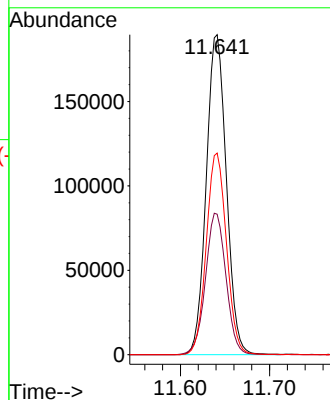
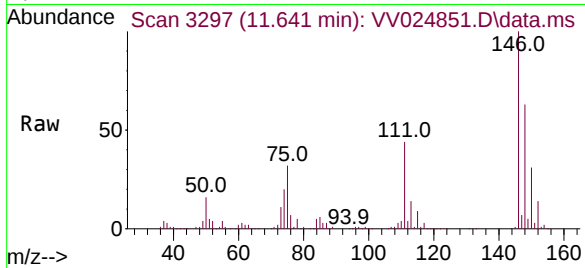




#67
1,2-Dichlorobenzene
Concen: 42.338 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

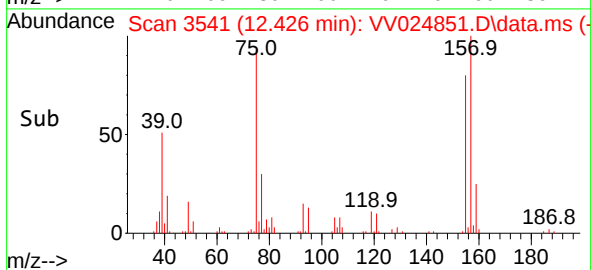
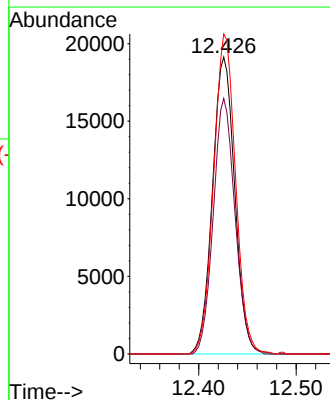
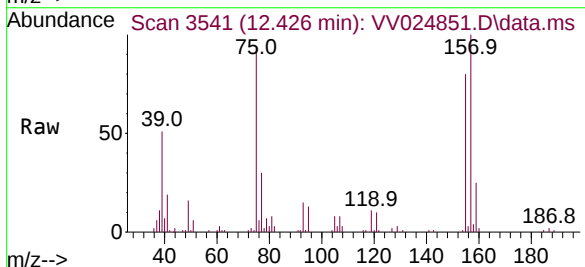
Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

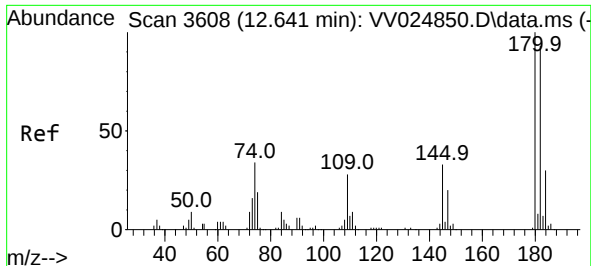
Tgt Ion:146 Resp: 296869
Ion Ratio Lower Upper
146 100
111 43.9 36.4 54.6
148 63.0 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 56.399 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion: 75 Resp: 30487
Ion Ratio Lower Upper
75 100
155 86.0 69.8 104.6
157 107.7 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 38.385 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050204

Tgt Ion:180 Resp: 227001

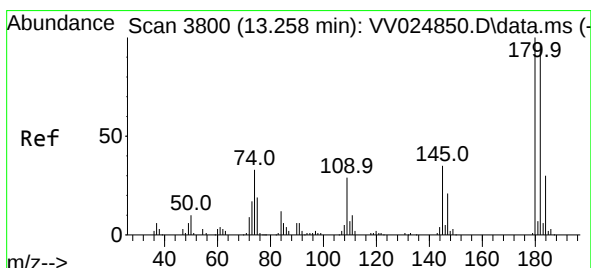
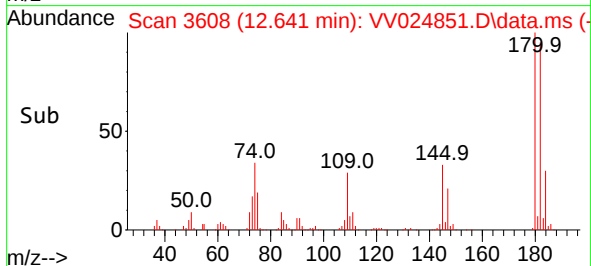
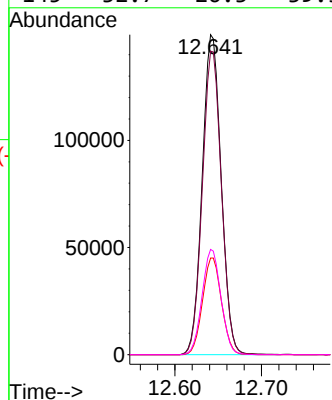
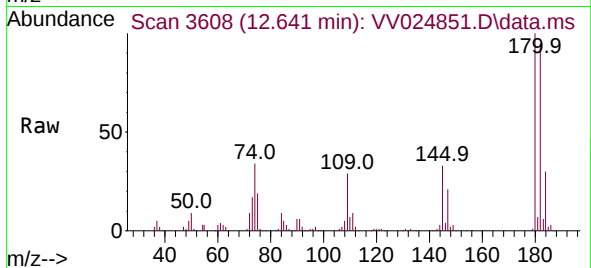
Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

184 30.2 24.2 36.4

145 32.7 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 40.774 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV024851.D

Acq: 02 Mar 2022 12:34

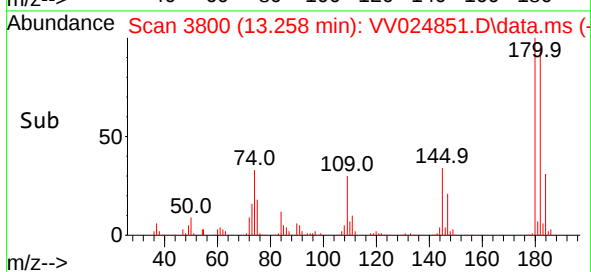
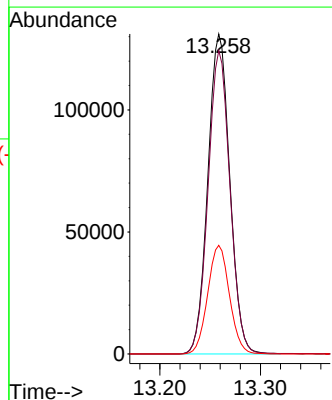
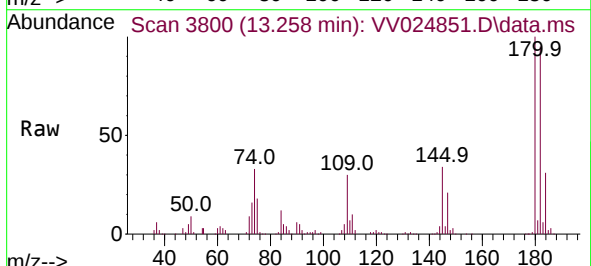
Tgt Ion:180 Resp: 198780

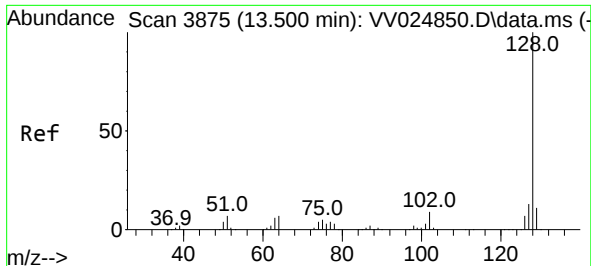
Ion Ratio Lower Upper

180 100

182 94.7 76.0 114.0

145 33.7 27.0 40.4

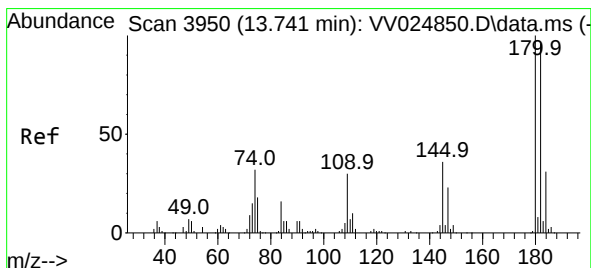
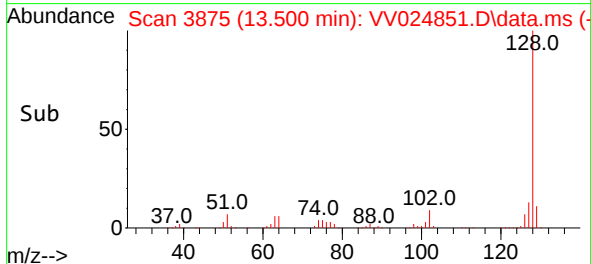
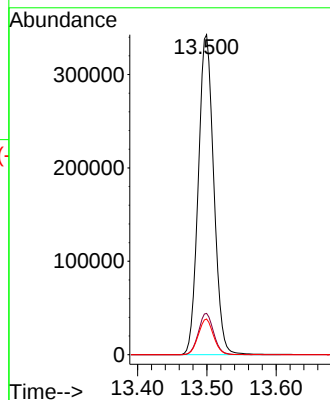
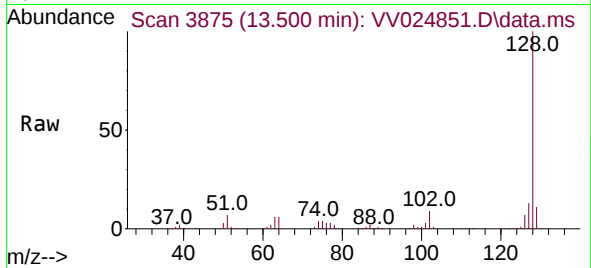




#71
Naphthalene
Concen: 57.160 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD050204

Tgt Ion:128 Resp: 531600
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 42.077 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV024851.D
Acq: 02 Mar 2022 12:34

Tgt Ion:180 Resp: 185596
Ion Ratio Lower Upper
180 100
182 94.6 77.0 115.4
145 35.4 28.3 42.5

