

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW123121\
 Data File : VW024245.D
 Acq On : 30 Dec 2021 20:18
 Operator : SY/MD
 Sample : VSTD10072
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 31 05:03:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 31 05:01:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	250470	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	233601	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	135901	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	178374	98.954	ug/L	0.00
7) Chloroethane-d5	1.568	69	136662	99.800	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	339358	100.730	ug/L	0.00
21) 2-Butanone-d5	3.883	46	206289	204.380	ug/L	0.00
24) Chloroform-d	4.349	84	335737	101.907	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.030	65	219992	99.735	ug/L	0.00
32) Benzene-d6	5.050	84	635154	104.193	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	175280	102.597	ug/L	0.00
41) Toluene-d8	7.313	98	620233	105.084	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	105168	106.904	ug/L	0.00
47) 2-Hexanone-d5	8.085	63	168125	226.510	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	247547	101.392	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	269587	99.521	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	199983	98.967	ug/L	100
3) Chloromethane	1.240	50	165265	97.347	ug/L	98
5) Vinyl chloride	1.310	62	181995	101.316	ug/L	97
6) Bromomethane	1.523	94	108703	106.196	ug/L	98
8) Chloroethane	1.584	64	109450	98.714	ug/L	98
9) Trichlorofluoromethane	1.751	101	321179	99.471	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	157056	99.528	ug/L	99
12) 1,1-Dichloroethene	2.117	96	154644	101.362	ug/L	87
13) Acetone	2.178	43	186374	197.812	ug/L	100
14) Carbon disulfide	2.294	76	444988	100.453	ug/L	99
15) Methyl Acetate	2.429	43	144766	100.378	ug/L	100
16) Methylene chloride	2.506	84	165625	99.688	ug/L	98
17) trans-1,2-Dichloroethene	2.760	96	159124	101.216	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	510727	105.407	ug/L	100
19) 1,1-Dichloroethane	3.188	63	265681	101.888	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	173745	103.480	ug/L	100
22) 2-Butanone	3.966	43	220347	209.340	ug/L	98
23) Bromochloromethane	4.246	128	98027	101.325	ug/L	99
25) Chloroform	4.375	83	307461	100.848	ug/L	100
27) 1,2-Dichloroethane	5.127	62	248650	100.272	ug/L	98
29) Cyclohexane	4.677	56	225144	107.818	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	297612	103.544	ug/L	99
31) Carbon tetrachloride	4.828	117	275520	103.325	ug/L	99
33) Benzene	5.098	78	628394	105.793	ug/L	100
34) Trichloroethene	5.911	95	170269	103.950	ug/L	99
35) Methylcyclohexane	6.130	83	262393	108.014	ug/L	99
37) 1,2-Dichloropropane	6.172	63	148706	106.439	ug/L	98
38) Bromodichloromethane	6.509	83	232335	105.974	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	263272	112.101	ug/L	98
40) 4-Methyl-2-pentanone	7.226	43	393979	216.256	ug/L	100
42) Toluene	7.387	91	716288	107.427	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	266733	111.962	ug/L	98

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

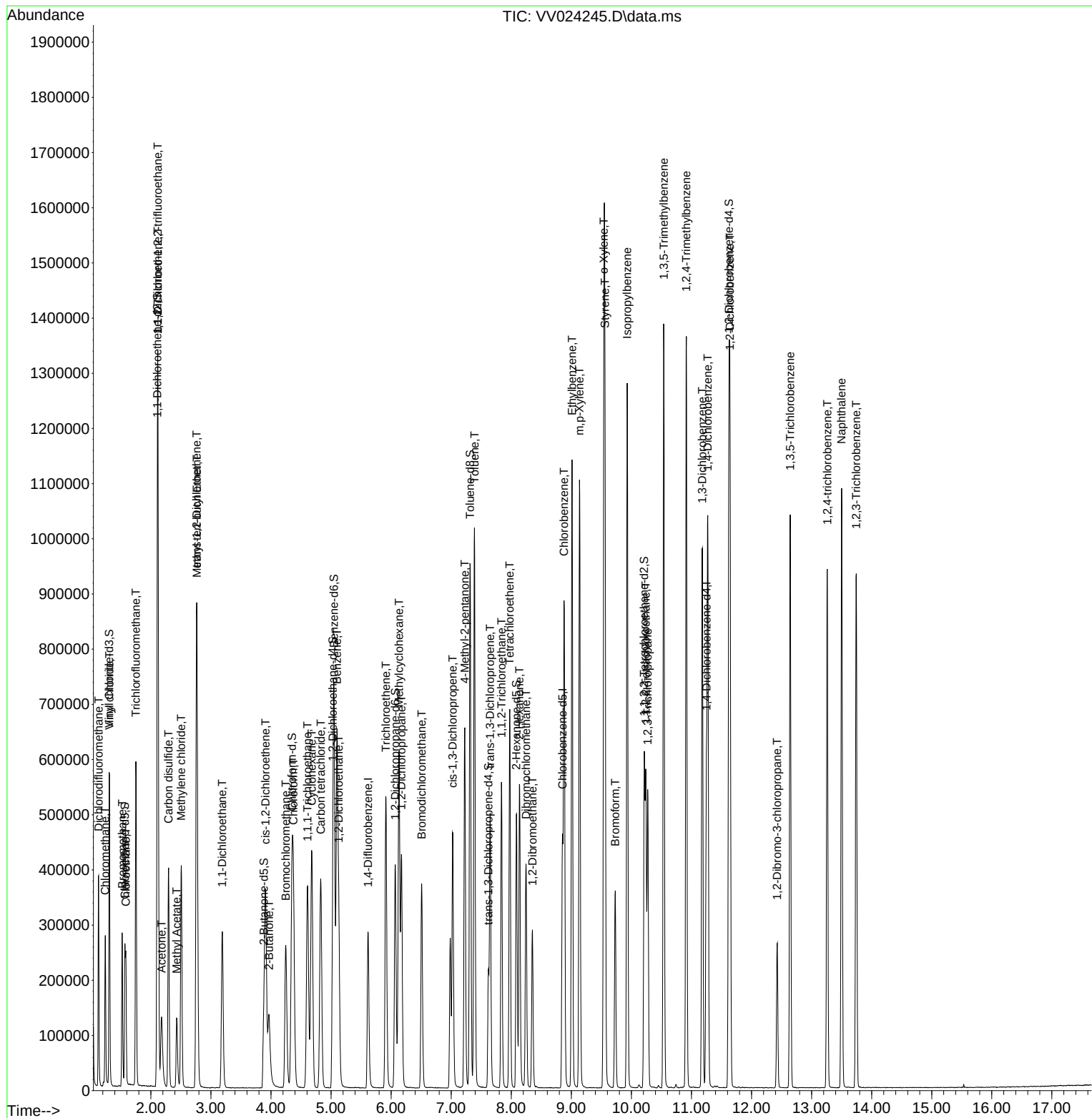
45) 1,1,2-Trichloroethane	7.837	97	160621	102.553	ug/L	99
46) Tetrachloroethene	7.976	164	153491	102.954	ug/L	99
48) 2-Hexanone	8.136	43	317817	217.196	ug/L	99
49) Dibromochloromethane	8.246	129	205972	104.914	ug/L	100
50) 1,2-Dibromoethane	8.352	107	174546	103.757	ug/L	98
51) Chlorobenzene	8.879	112	465845	103.729	ug/L	99
52) Ethylbenzene	9.011	91	766622	107.624	ug/L	100
53) m,p-Xylene	9.136	106	310851	108.871	ug/L	98
54) o-Xylene	9.542	106	300743	110.342	ug/L	98
55) Styrene	9.561	104	526921	111.325	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	234978	102.745	ug/L	99
59) Bromoform	9.731	173	159585	102.981	ug/L	100
60) Isopropylbenzene	9.931	105	794521	105.652	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	196161	98.299	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	705827	109.113	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	705513	109.247	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	403856	104.155	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	404636	101.191	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	407067	101.864	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	62036	107.946	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	312727	104.855	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	281387	110.317	ug/L	100
71) Naphthalene	13.500	128	834100	113.027	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	284000	107.730	ug/L	98

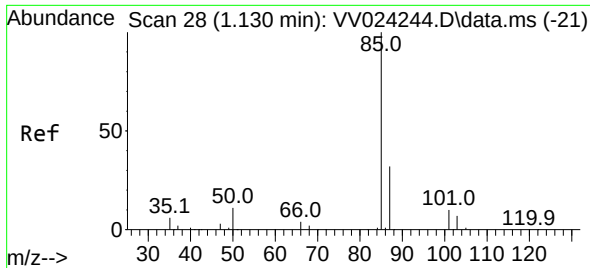
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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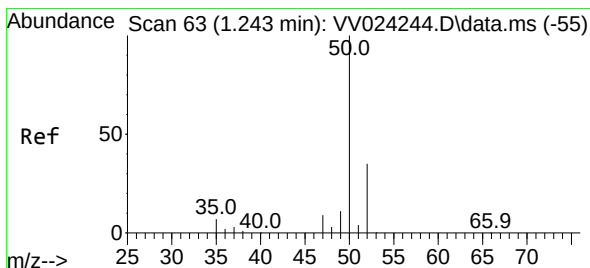
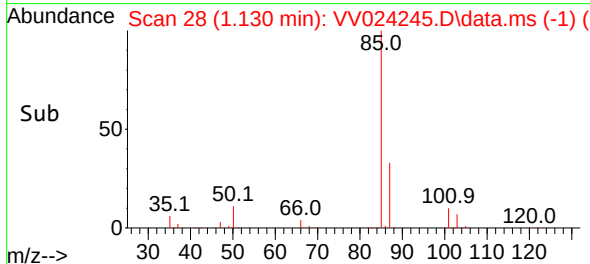
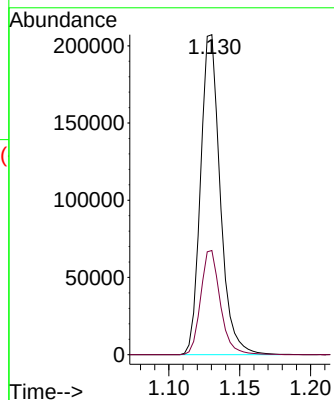
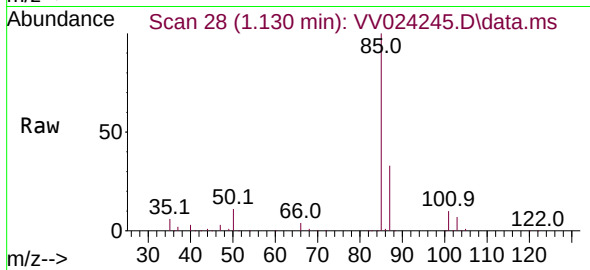




#2
 Dichlorodifluoromethane
 Concen: 98.967 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

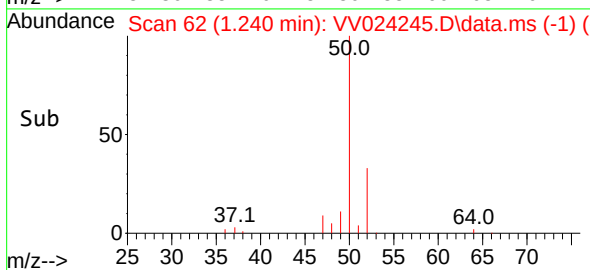
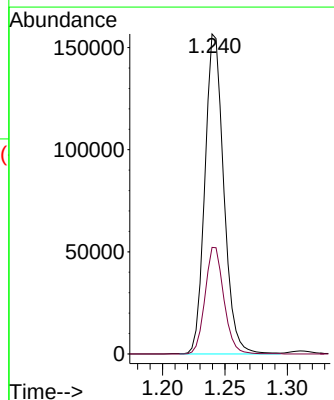
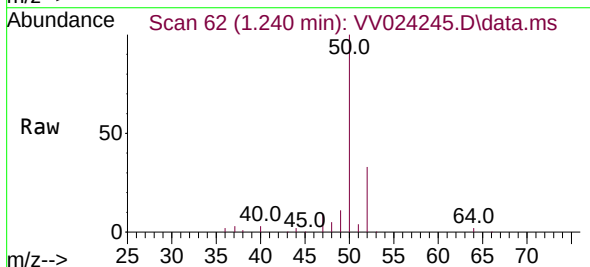
Instrument :
 MSVOA_V
 ClientSampleId :

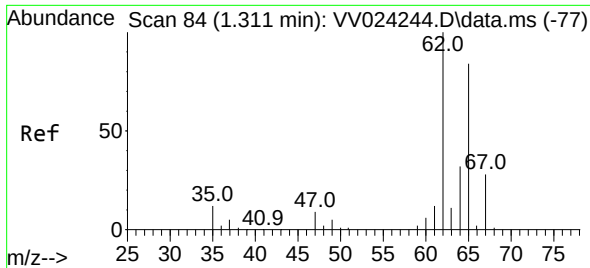
Tgt Ion: 85 Resp: 199983
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.8



#3
 Chloromethane
 Concen: 97.347 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.003 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

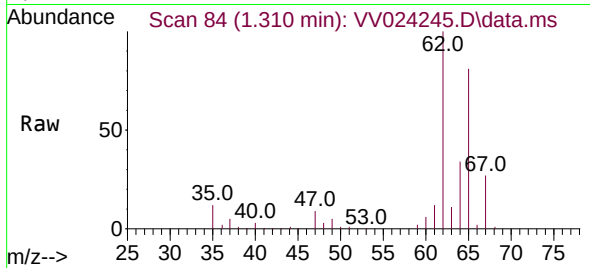
Tgt Ion: 50 Resp: 165265
 Ion Ratio Lower Upper
 50 100
 52 33.3 24.1 44.7



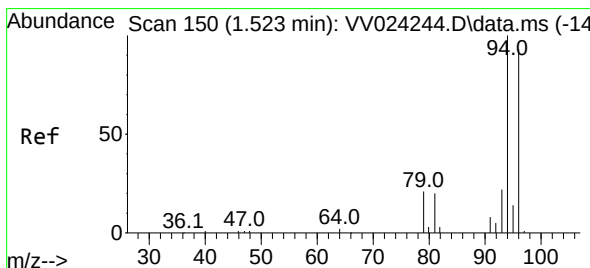
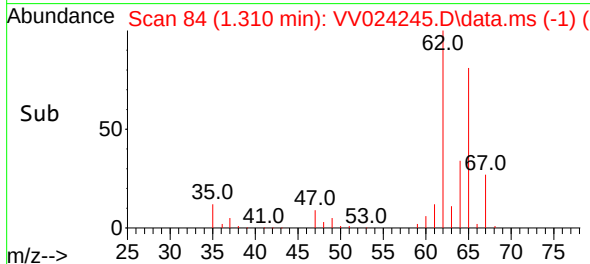
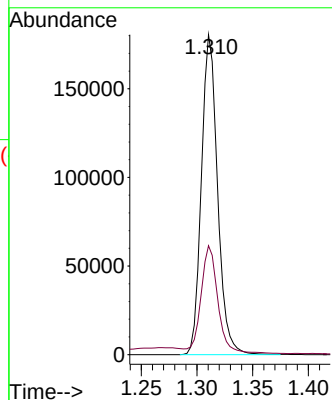


#5
 Vinyl chloride
 Concen: 101.316 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

Instrument :
 MSVOA_V
 ClientSampleId :

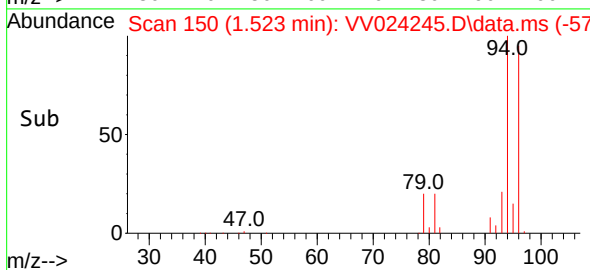
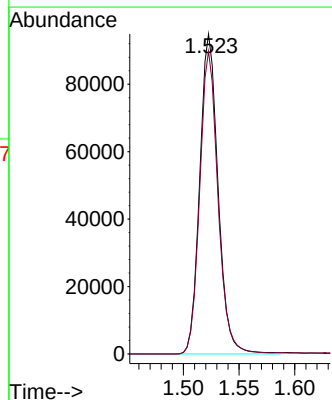
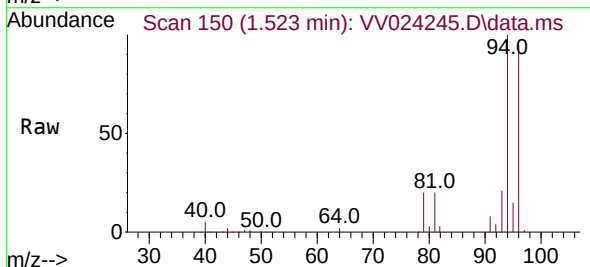


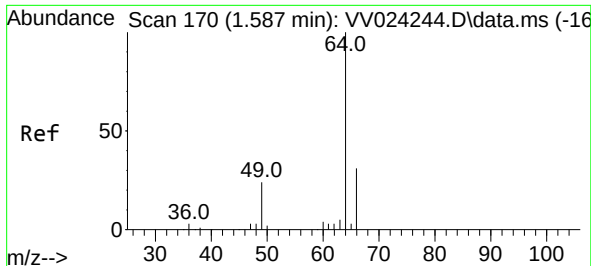
Tgt Ion: 62 Resp: 181995
 Ion Ratio Lower Upper
 62 100
 64 34.0 25.0 46.4



#6
 Bromomethane
 Concen: 106.196 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

Tgt Ion: 94 Resp: 108703
 Ion Ratio Lower Upper
 94 100
 96 94.6 65.0 120.6

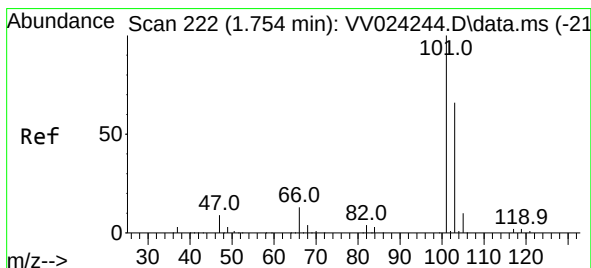
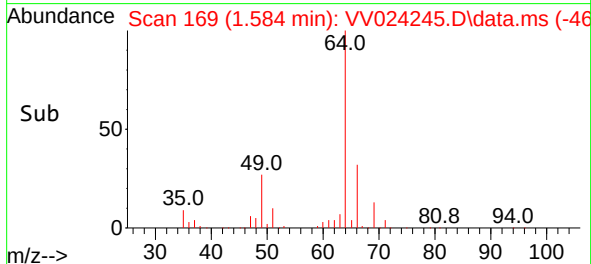
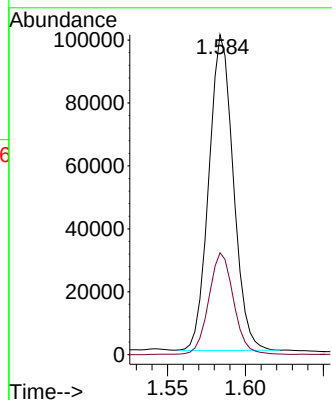
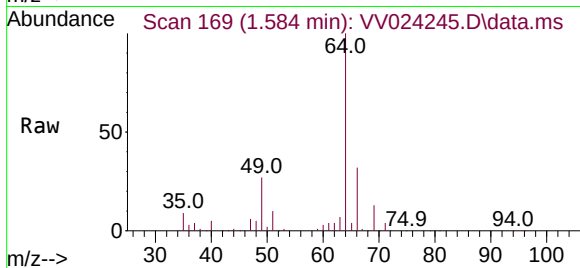




#8
Chloroethane
Concen: 98.714 ug/L
RT: 1.584 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

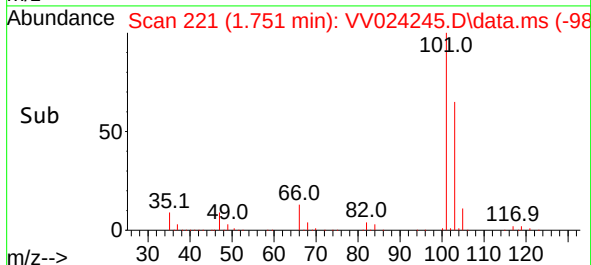
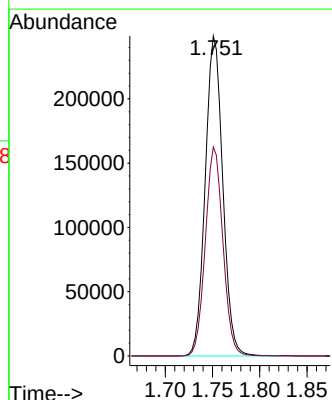
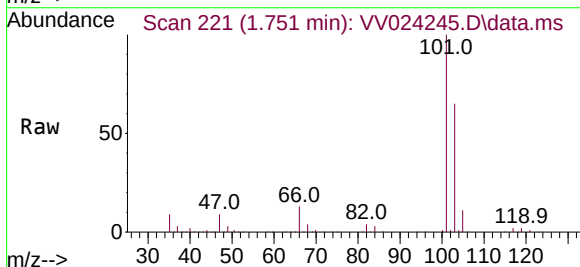
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ClientSampleId :

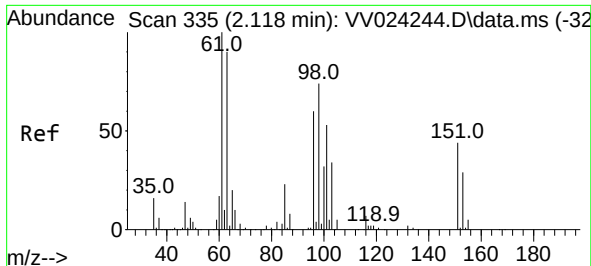
Tgt Ion: 64 Resp: 109450
Ion Ratio Lower Upper
64 100
66 31.9 21.4 39.8



#9
Trichlorofluoromethane
Concen: 99.471 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion:101 Resp: 321179
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0

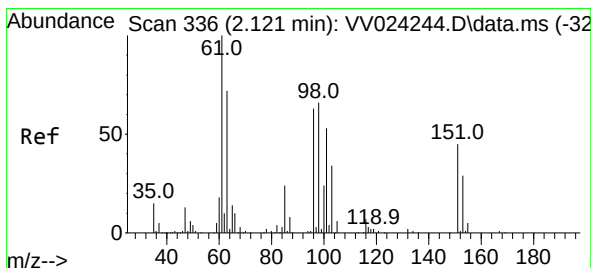
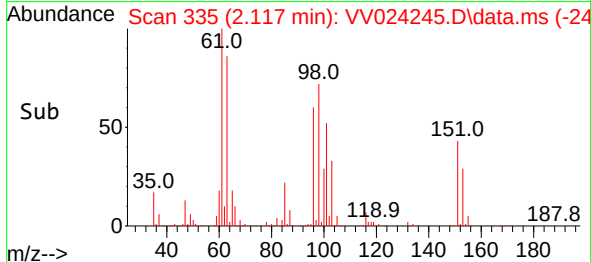
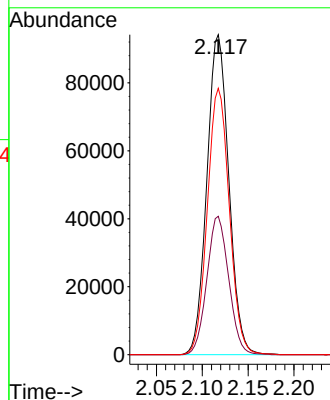
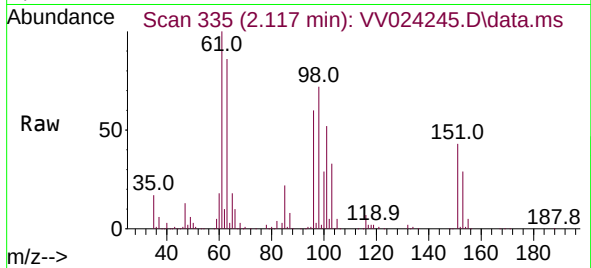




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 99.528 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

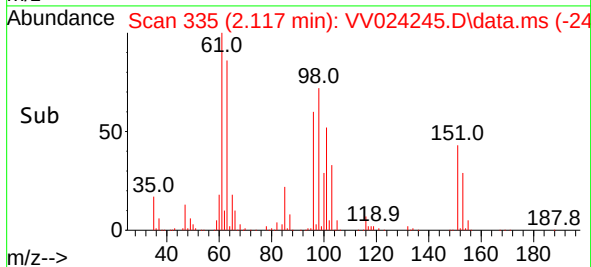
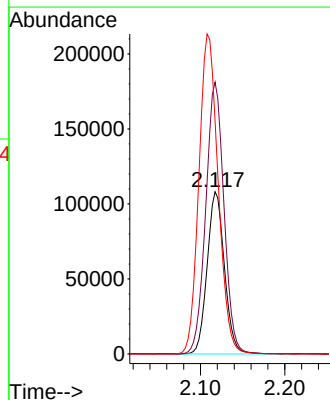
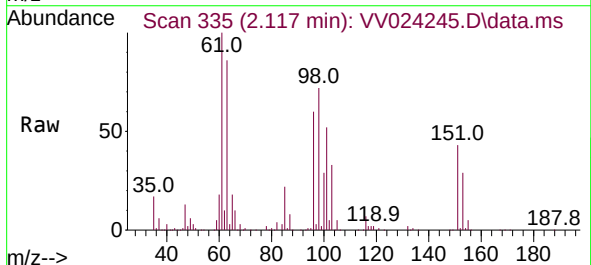
Instrument :
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 ClientSampleId :

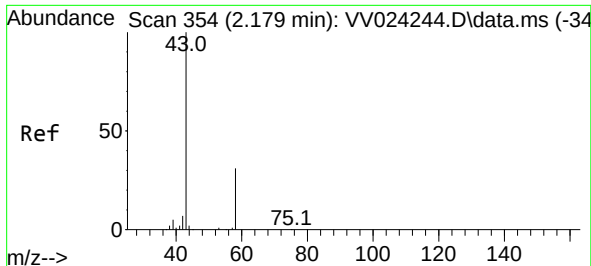
Tgt Ion:101 Resp: 157056
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.3 52.9
 151 83.4 67.1 100.7



#12
 1,1-Dichloroethene
 Concen: 101.362 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

Tgt Ion: 96 Resp: 154644
 Ion Ratio Lower Upper
 96 100
 61 167.5 111.9 207.9
 63 143.6 82.7 153.5





#13

Acetone

Concen: 197.812 ug/L

RT: 2.178 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

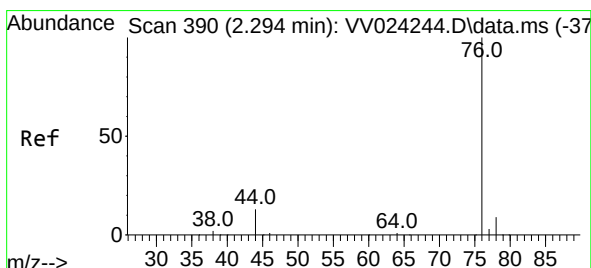
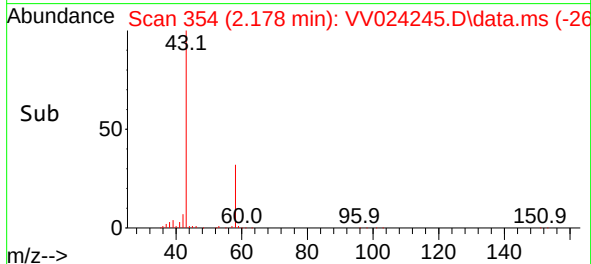
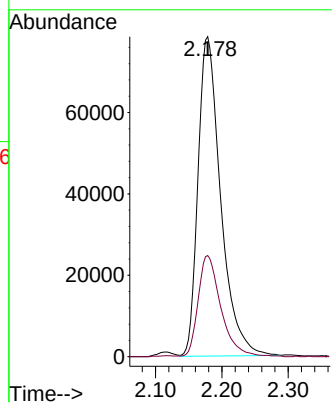
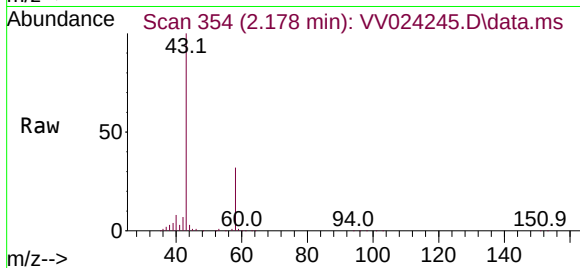
ClientSampleId :

Tgt Ion: 43 Resp: 186374

Ion Ratio Lower Upper

43 100

58 31.3 0.0 63.0



#14

Carbon disulfide

Concen: 100.453 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.000 min

Lab File: VV024245.D

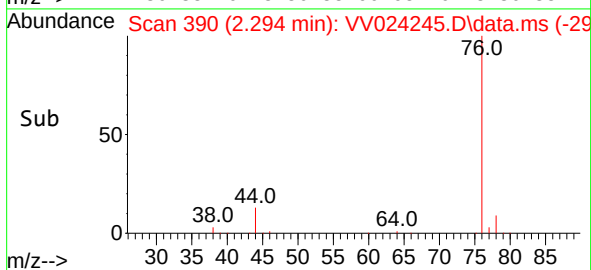
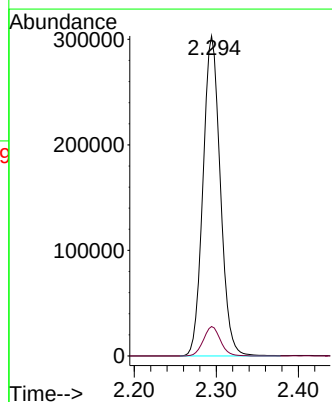
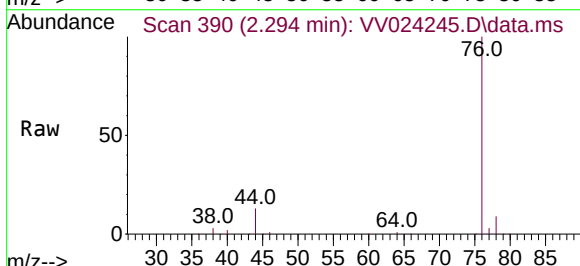
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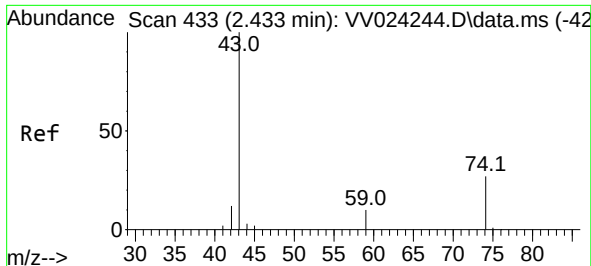
Tgt Ion: 76 Resp: 444988

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 100.378 ug/L

RT: 2.429 min Scan# 41

Delta R.T. -0.003 min

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Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

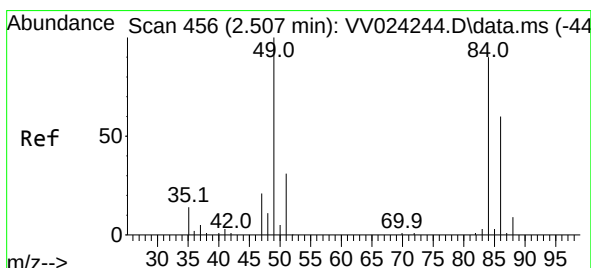
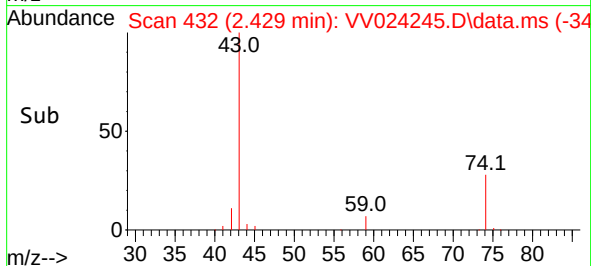
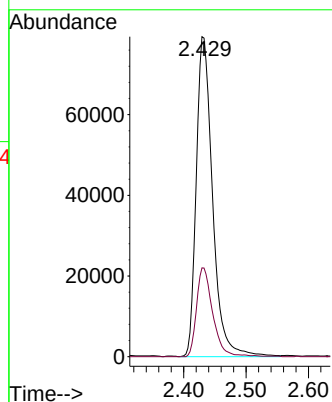
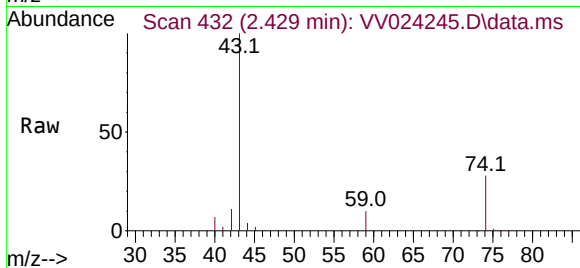
ClientSampleId :

Tgt Ion: 43 Resp: 144766

Ion Ratio Lower Upper

43 100

74 27.1 21.8 32.8



#16

Methylene chloride

Concen: 99.688 ug/L

RT: 2.506 min Scan# 456

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

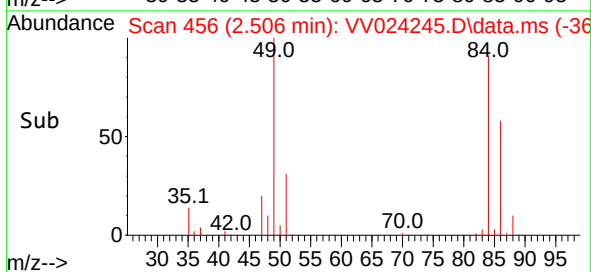
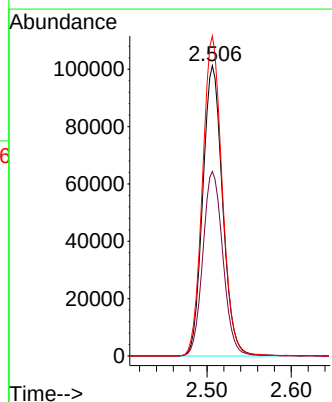
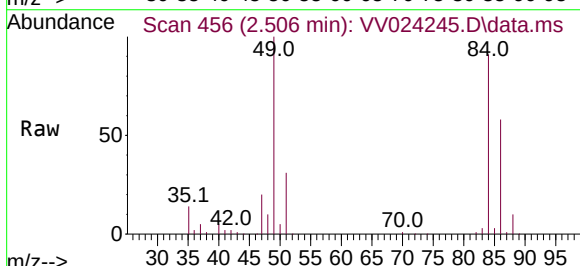
Tgt Ion: 84 Resp: 165625

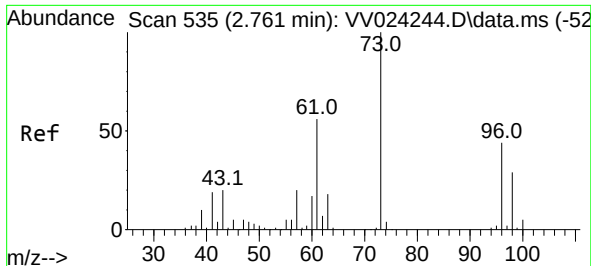
Ion Ratio Lower Upper

84 100

86 63.6 46.8 86.8

49 110.2 78.3 145.3

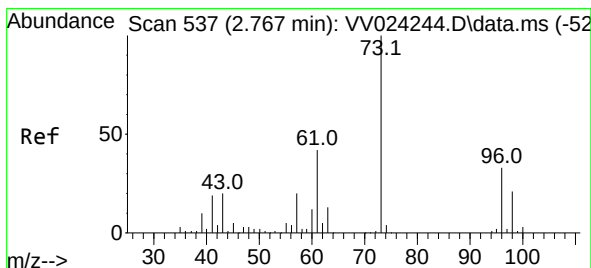
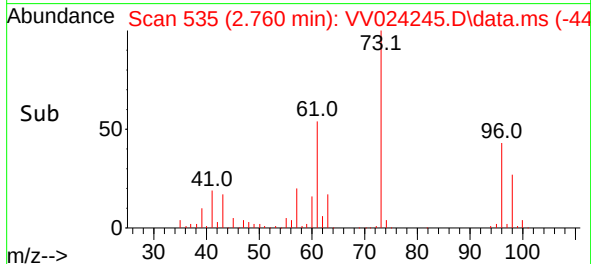
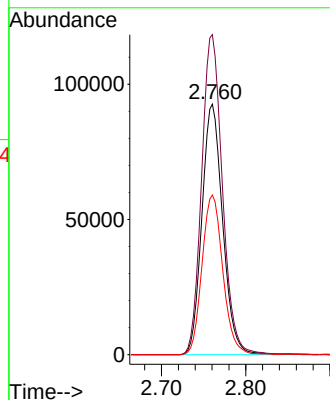
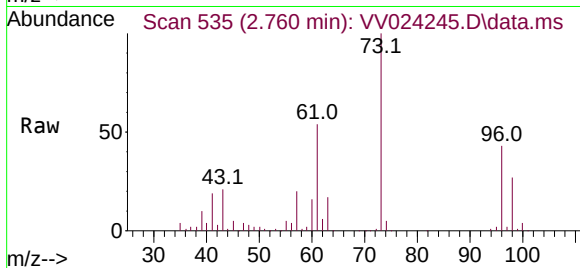




#17
trans-1,2-Dichloroethene
Concen: 101.216 ug/L
RT: 2.760 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

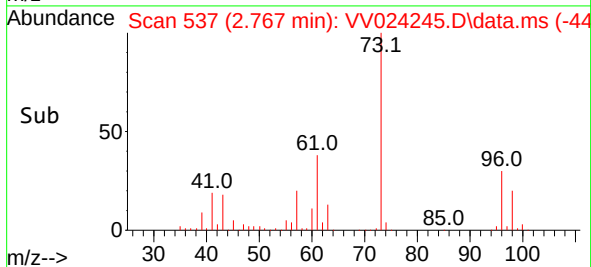
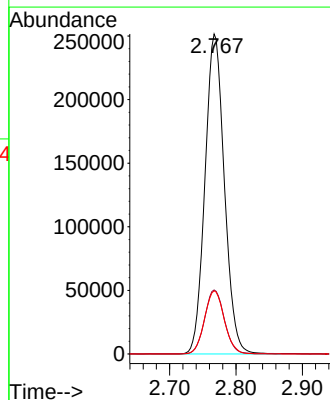
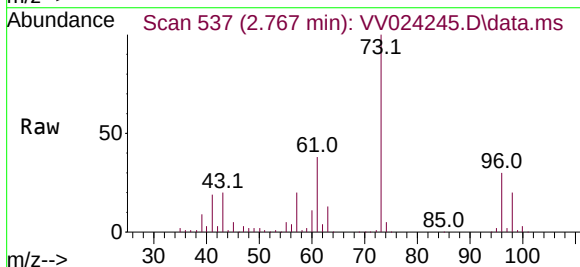
Instrument :
MSVOA_V
ClientSampleId :

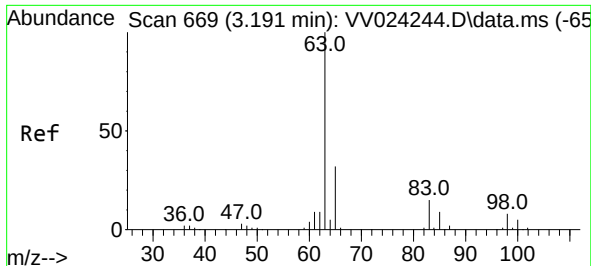
Tgt Ion: 96 Resp: 159124
Ion Ratio Lower Upper
96 100
61 127.7 88.1 163.7
98 63.7 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 105.407 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion: 73 Resp: 510727
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.2
57 20.1 15.9 23.9





#19

1,1-Dichloroethane

Concen: 101.888 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

ClientSampleId :

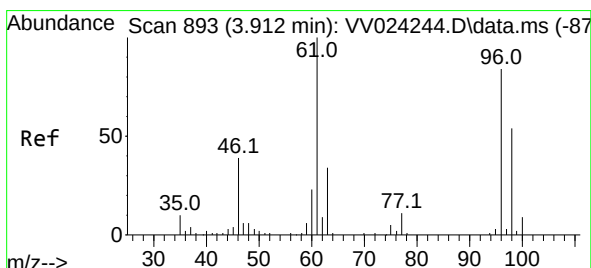
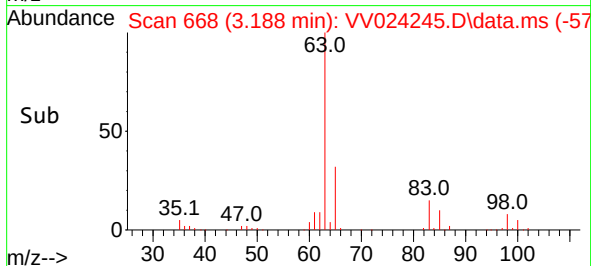
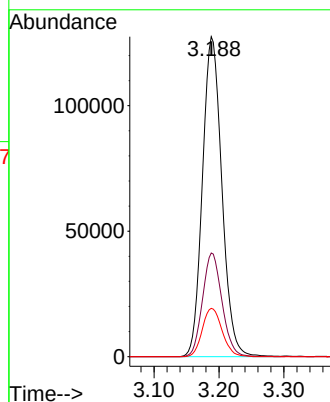
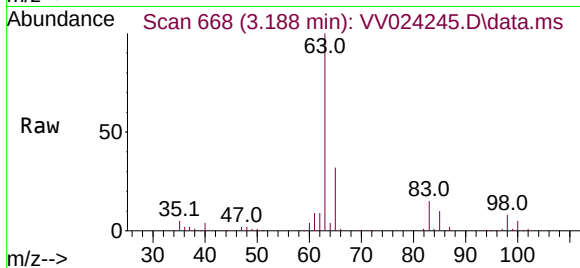
Tgt Ion: 63 Resp: 265681

Ion Ratio Lower Upper

63 100

65 32.4 22.4 41.6

83 15.1 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 103.480 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.003 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

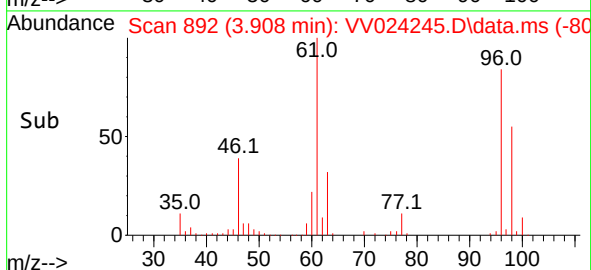
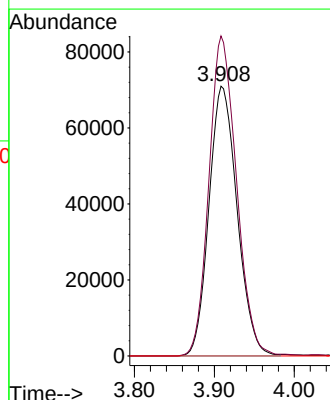
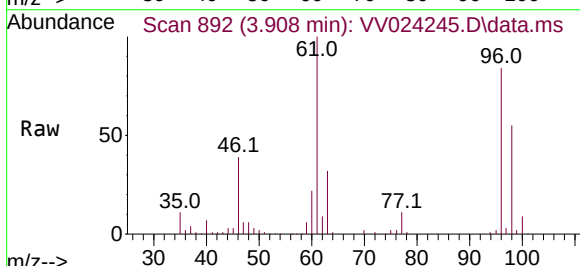
Tgt Ion: 96 Resp: 173745

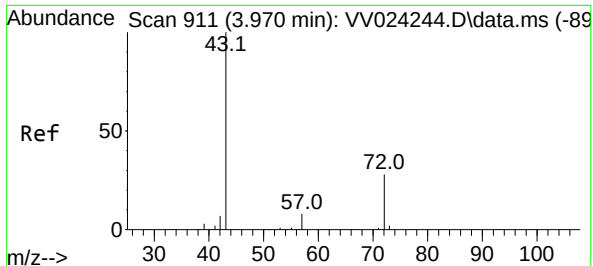
Ion Ratio Lower Upper

96 100

61 118.6 82.9 153.9

68 0.0 0.0 0.0

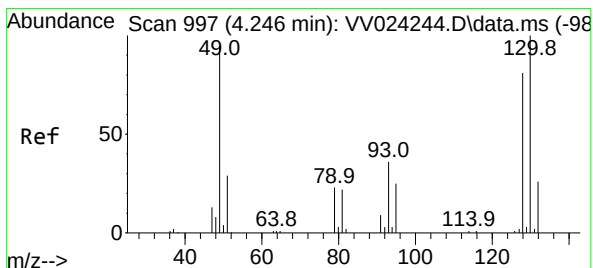
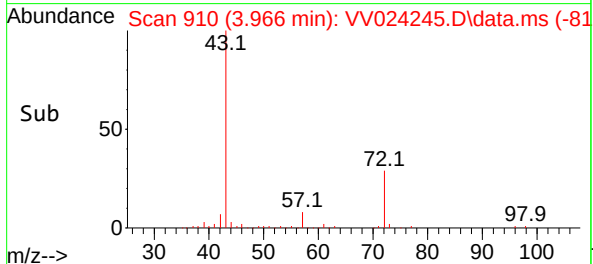
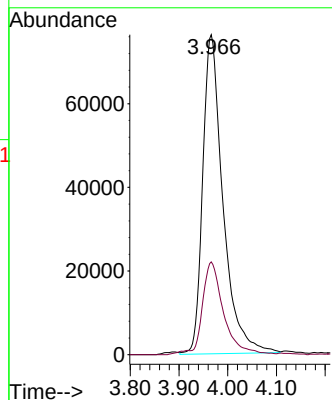
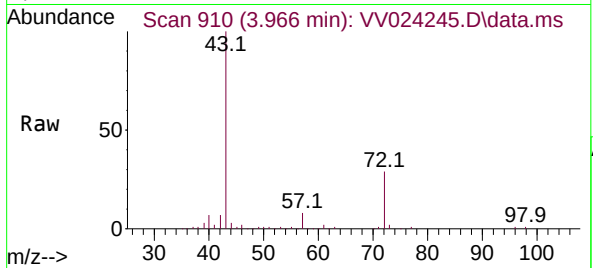




#22
2-Butanone
Concen: 209.340 ug/L
RT: 3.966 min Scan# 911
Delta R.T. -0.003 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

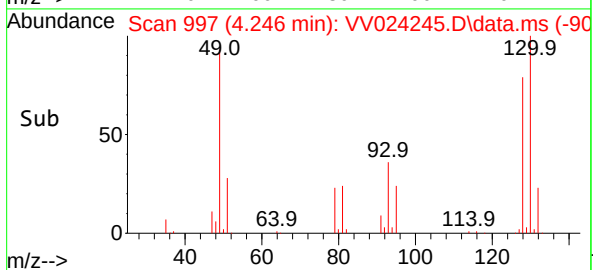
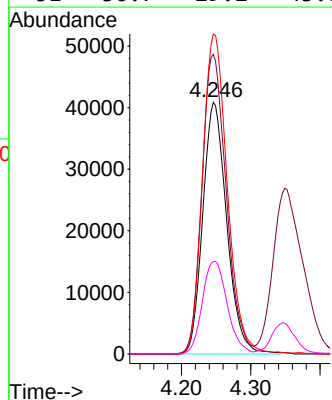
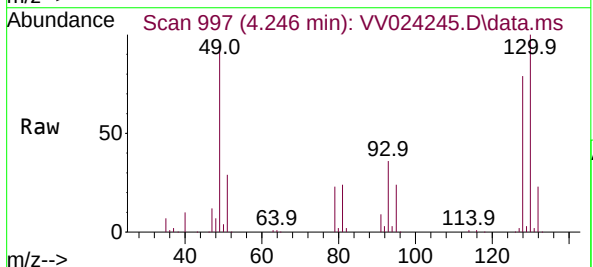
Instrument :
MSVOA_V
ClientSampleId :

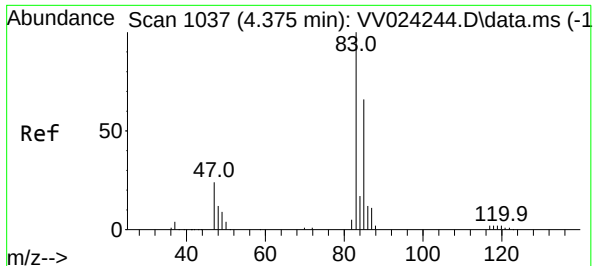
Tgt Ion: 43 Resp: 220347
Ion Ratio Lower Upper
43 100
72 28.9 14.9 44.9



#23
Bromochloromethane
Concen: 101.325 ug/L
RT: 4.246 min Scan# 997
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion:128 Resp: 98027
Ion Ratio Lower Upper
128 100
49 119.0 83.1 154.3
130 127.2 87.0 161.6
51 36.7 29.2 43.8





#25

Chloroform

Concen: 100.848 ug/L

RT: 4.375 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

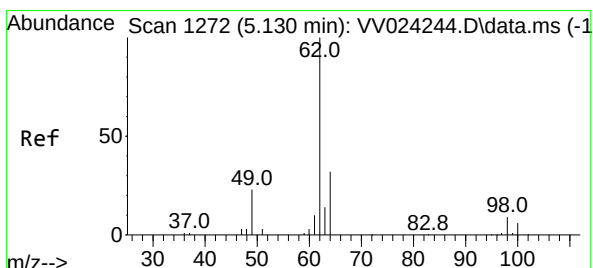
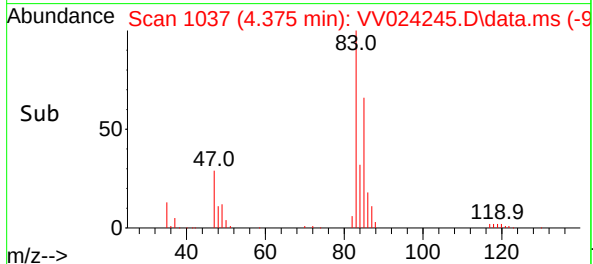
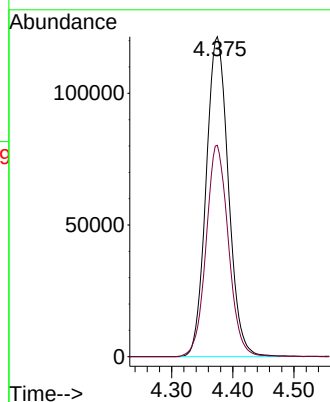
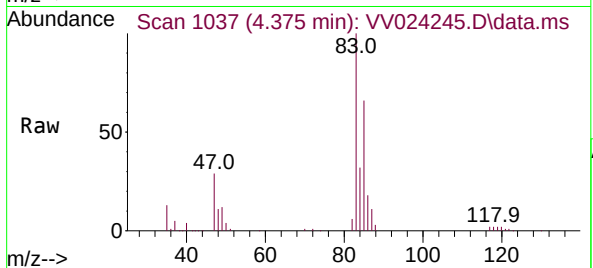
ClientSampleId :

Tgt Ion: 83 Resp: 307461

Ion Ratio Lower Upper

83 100

85 66.0 46.3 85.9



#27

1,2-Dichloroethane

Concen: 100.272 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV024245.D

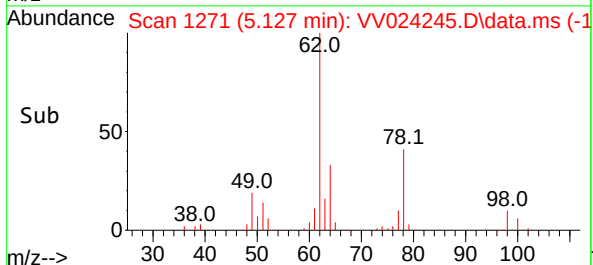
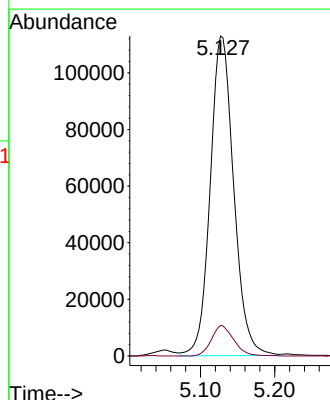
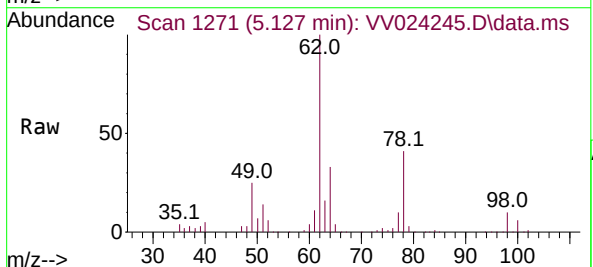
Acq: 30 Dec 2021 20:18

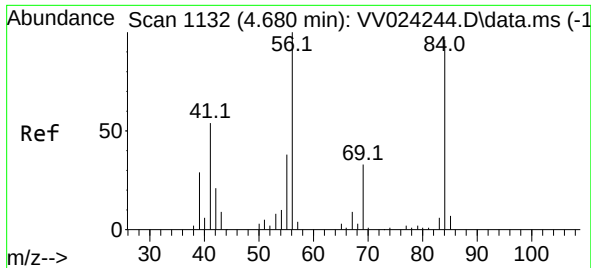
Tgt Ion: 62 Resp: 248650

Ion Ratio Lower Upper

62 100

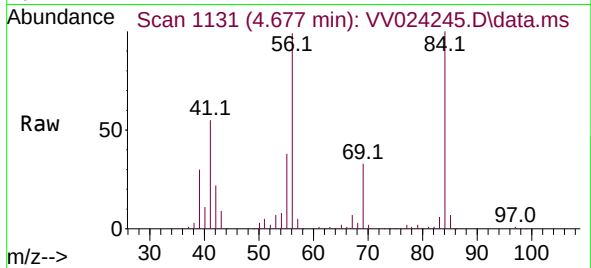
98 9.5 7.1 10.7



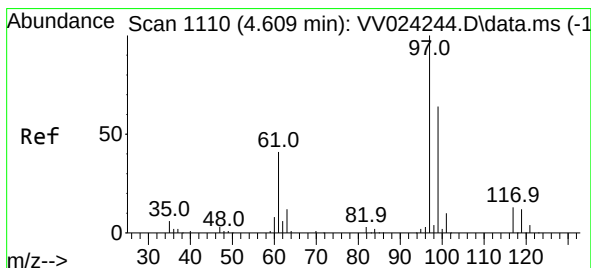
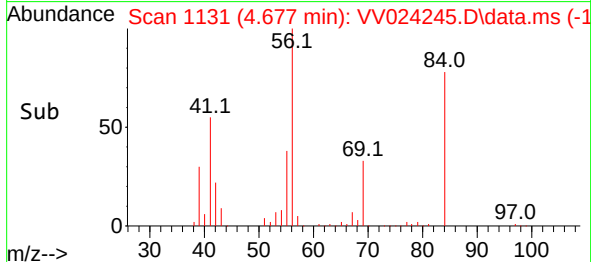
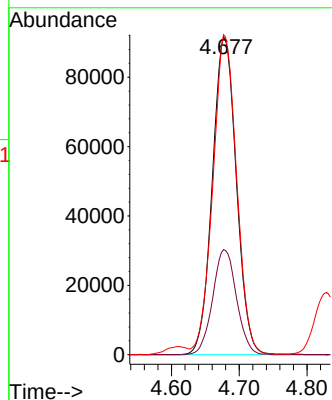


#29
Cyclohexane
Concen: 107.818 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Instrument :
MSVOA_V
ClientSampleId :

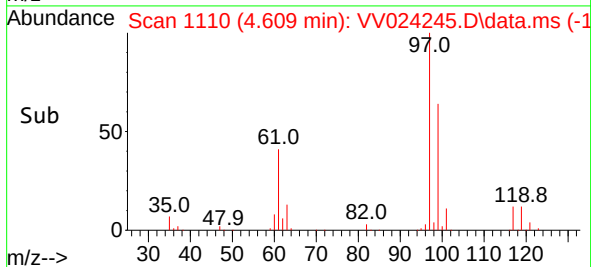
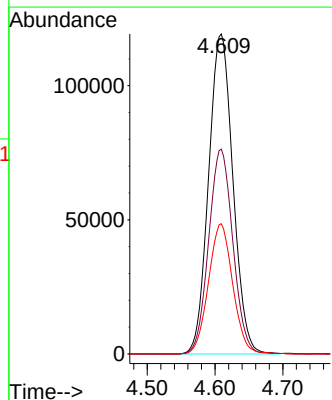
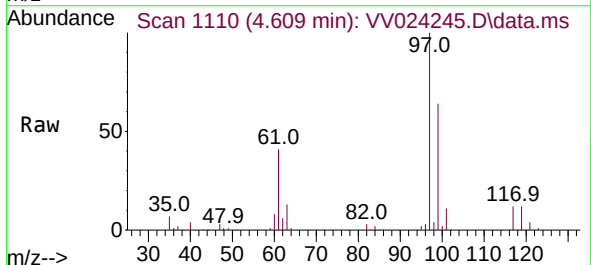


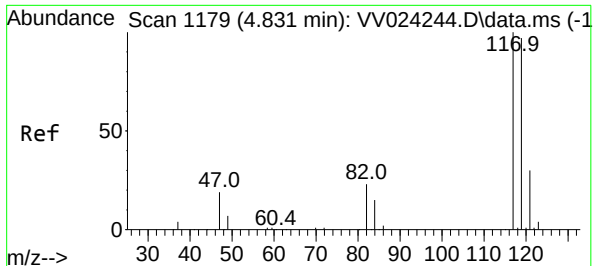
Tgt Ion: 56 Resp: 225144
Ion Ratio Lower Upper
56 100
69 32.8 25.8 38.6
84 100.0 79.1 118.7



#30
1,1,1-Trichloroethane
Concen: 103.544 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion: 97 Resp: 297612
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 40.7 33.2 49.8

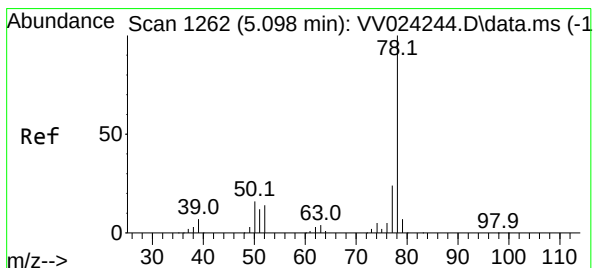
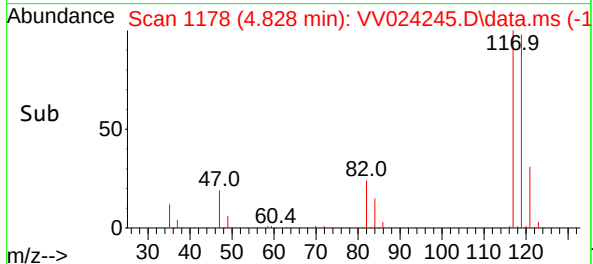
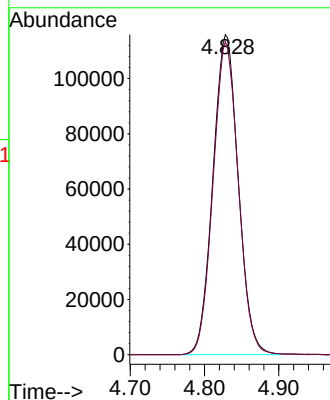
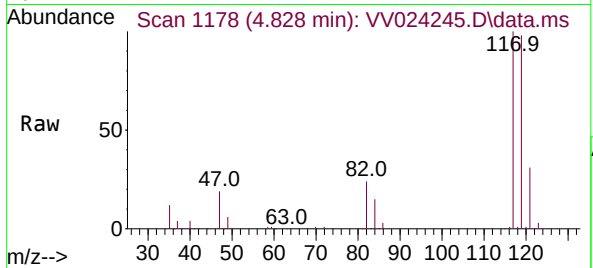




#31
Carbon tetrachloride
Concen: 103.325 ug/L
RT: 4.828 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

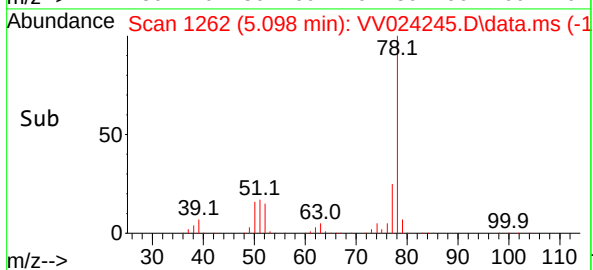
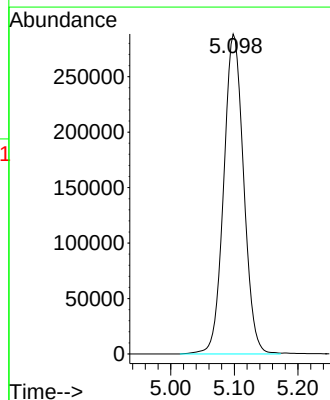
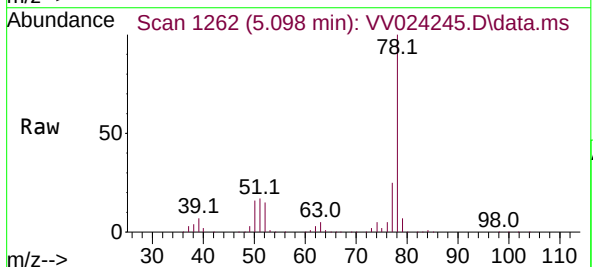
Instrument :
MSVOA_V
ClientSampleId :

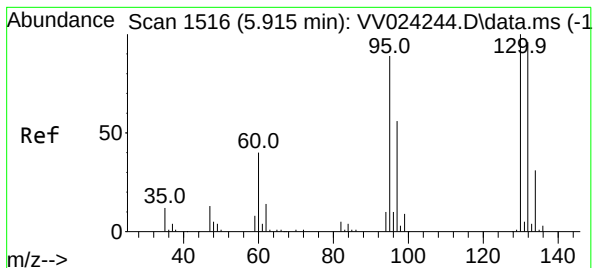
Tgt Ion:117 Resp: 275520
Ion Ratio Lower Upper
117 100
119 96.9 76.9 115.3



#33
Benzene
Concen: 105.793 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion: 78 Resp: 628394





#34

Trichloroethene

Concen: 103.950 ug/L

RT: 5.911 min Scan# 1516

Delta R.T. -0.003 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 170269

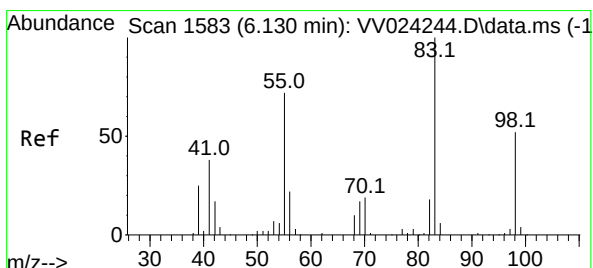
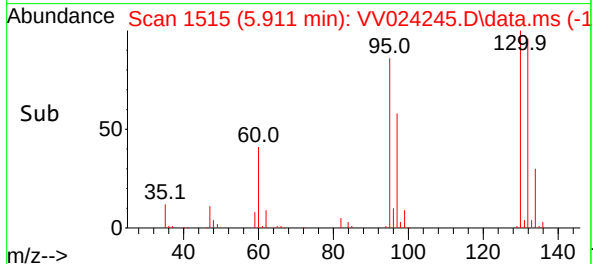
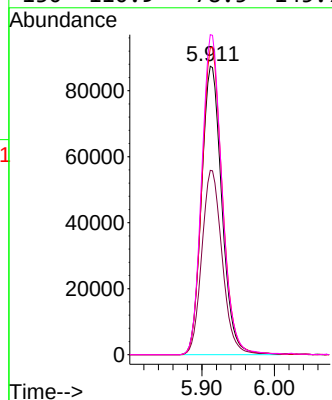
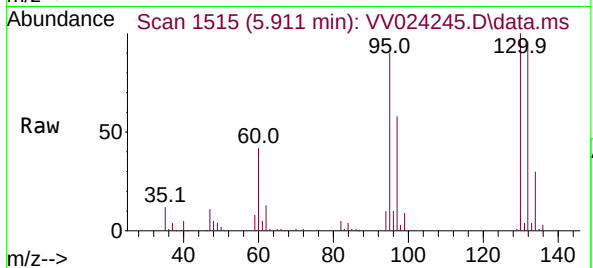
Ion Ratio Lower Upper

95 100

97 63.9 44.1 81.9

132 106.4 75.1 139.5

130 110.9 78.5 145.7



#35

Methylcyclohexane

Concen: 108.014 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

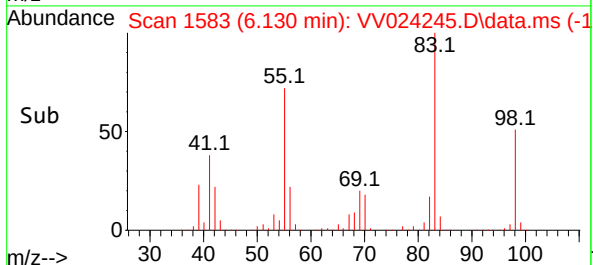
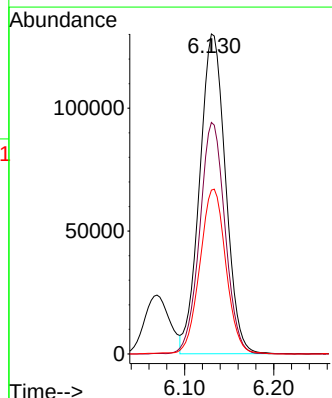
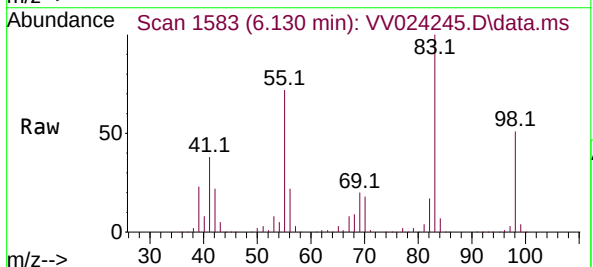
Tgt Ion: 83 Resp: 262393

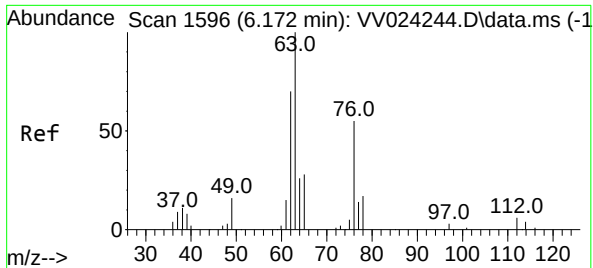
Ion Ratio Lower Upper

83 100

55 71.0 55.6 83.4

98 51.9 41.3 61.9





#37

1,2-Dichloropropane

Concen: 106.439 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

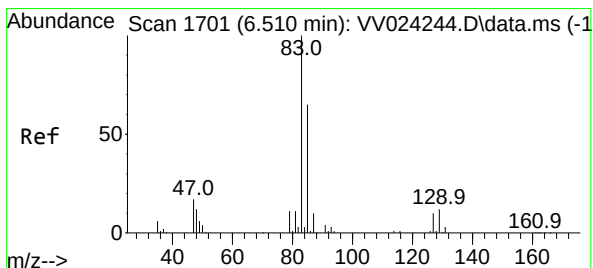
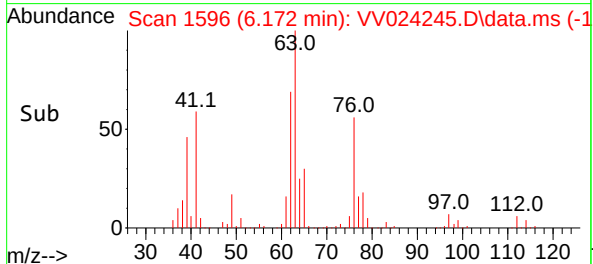
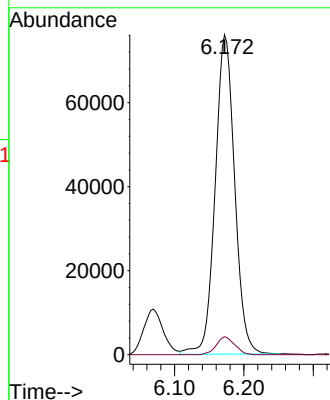
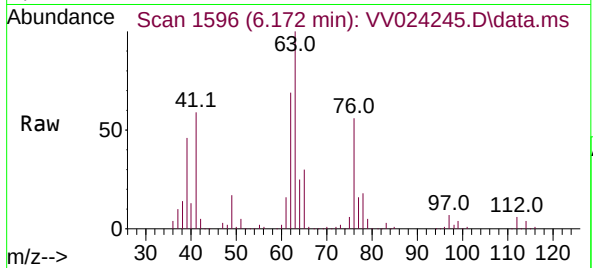
ClientSampleId :

Tgt Ion: 63 Resp: 148706

Ion Ratio Lower Upper

63 100

112 5.3 4.7 7.1



#38

Bromodichloromethane

Concen: 105.974 ug/L

RT: 6.509 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

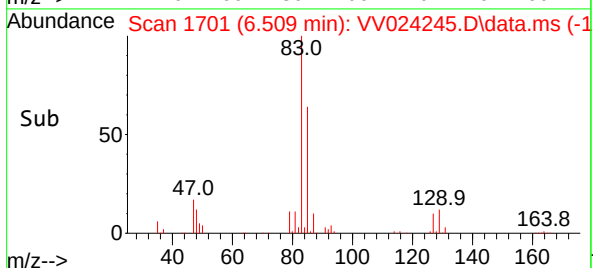
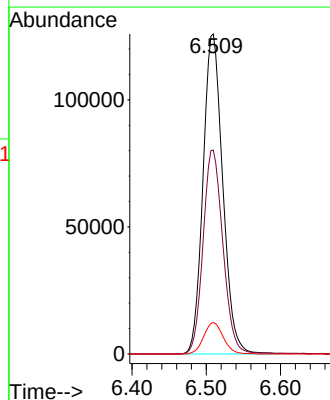
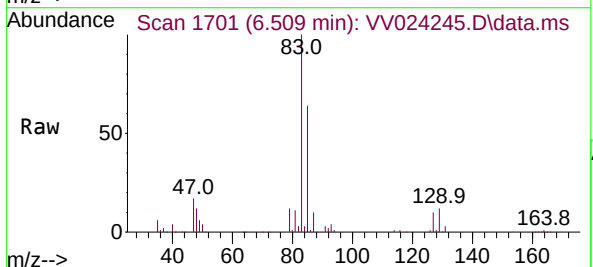
Tgt Ion: 83 Resp: 232335

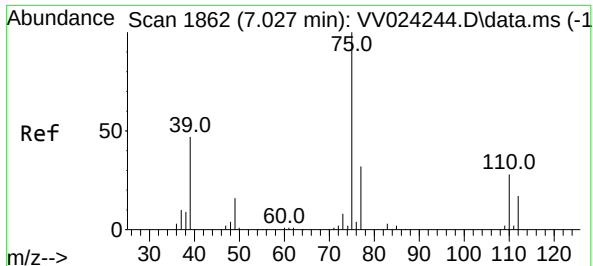
Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

127 9.9 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 112.101 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

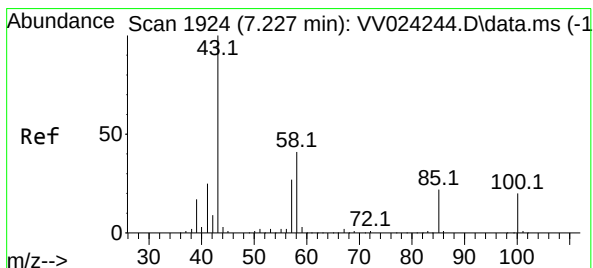
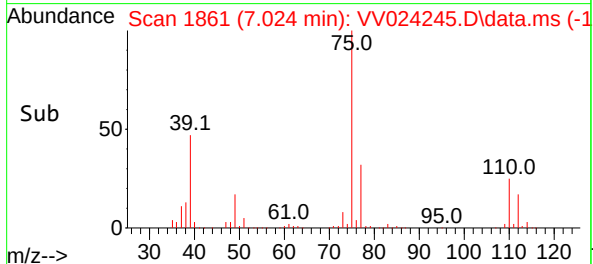
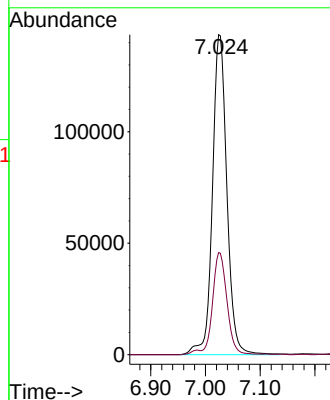
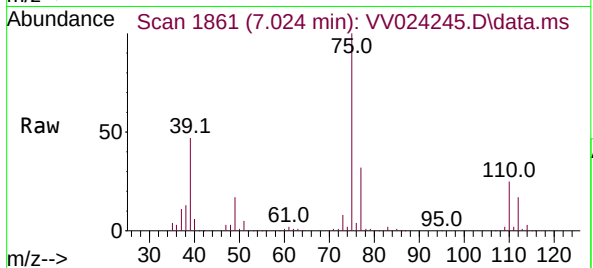
ClientSampleId :

Tgt Ion: 75 Resp: 263272

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 216.256 ug/L

RT: 7.226 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

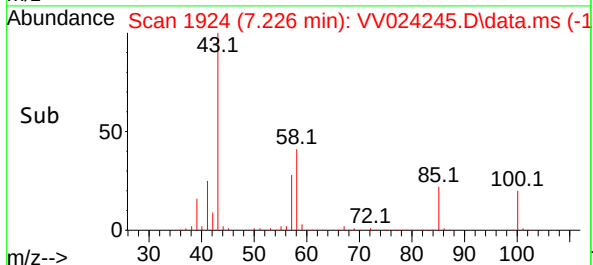
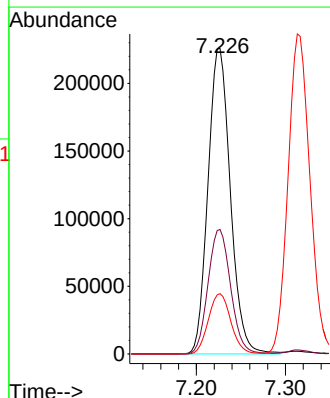
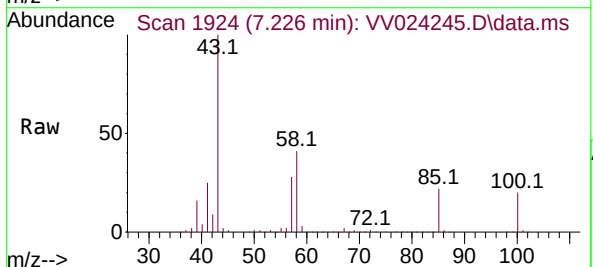
Tgt Ion: 43 Resp: 393979

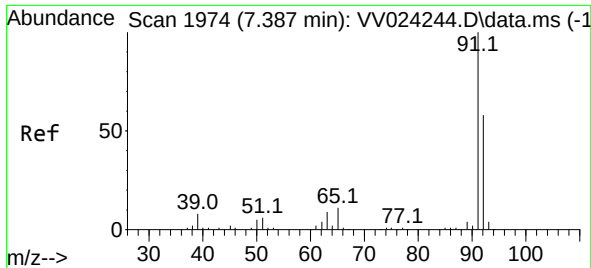
Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.4

100 19.9 16.0 24.0





#42

Toluene

Concen: 107.427 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

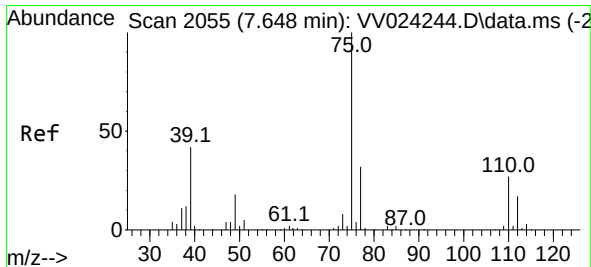
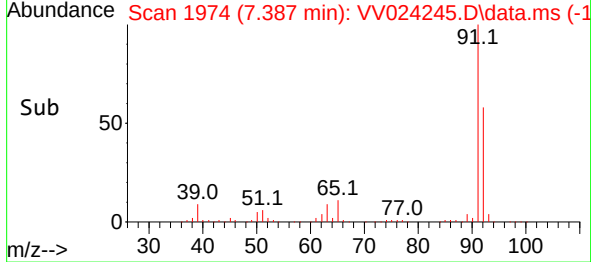
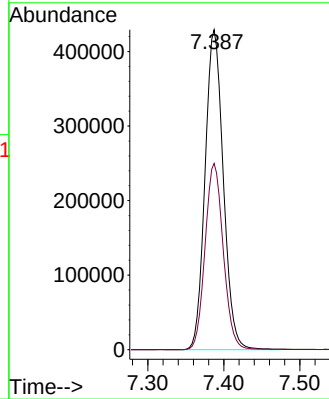
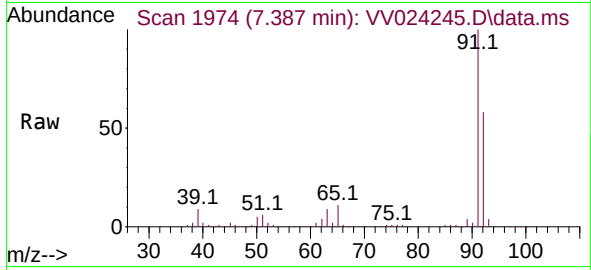
ClientSampleId :

Tgt Ion: 91 Resp: 716288

Ion Ratio Lower Upper

91 100

92 58.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 111.962 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV024245.D

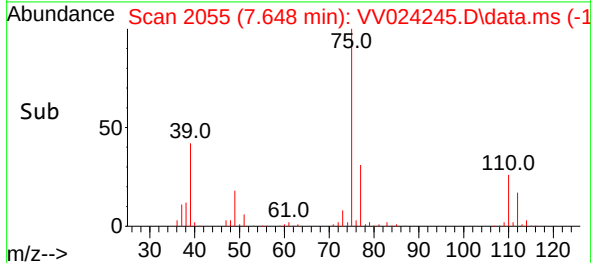
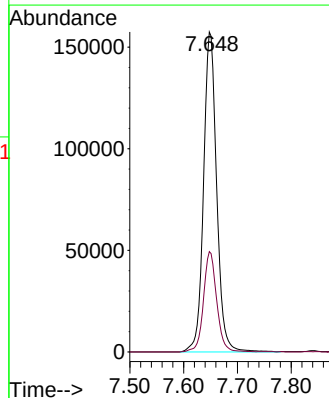
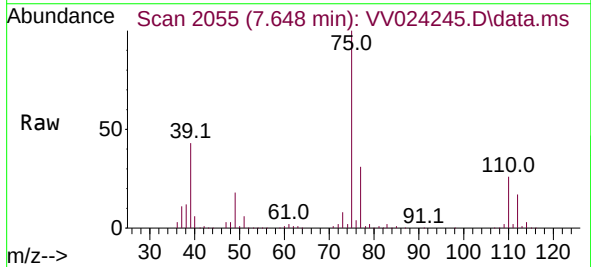
Acq: 30 Dec 2021 20:18

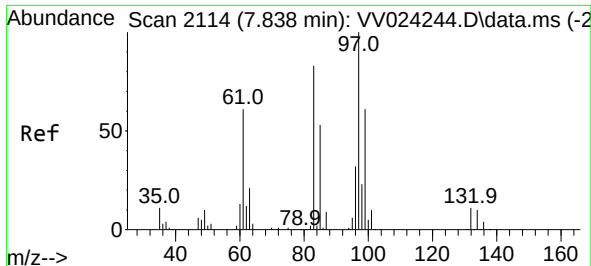
Tgt Ion: 75 Resp: 266733

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 102.553 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 160621

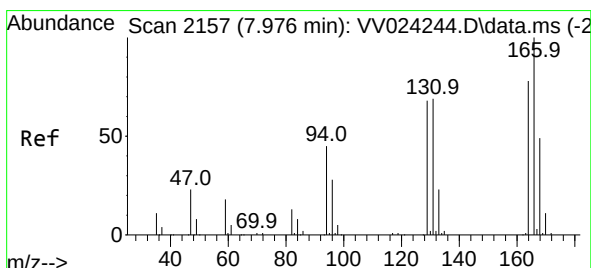
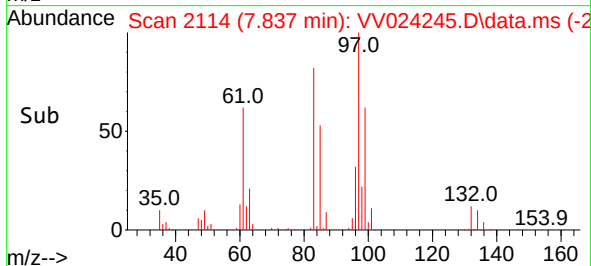
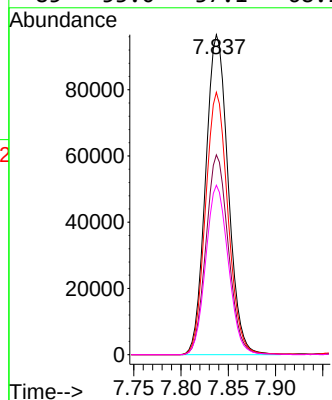
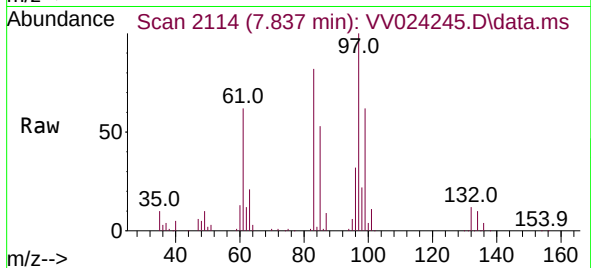
Ion Ratio Lower Upper

97 100

99 62.5 42.4 78.8

83 82.0 57.9 107.5

85 53.0 37.1 68.9



#46

Tetrachloroethene

Concen: 102.954 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Tgt Ion:164 Resp: 153491

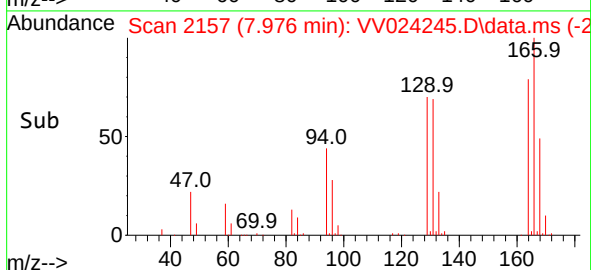
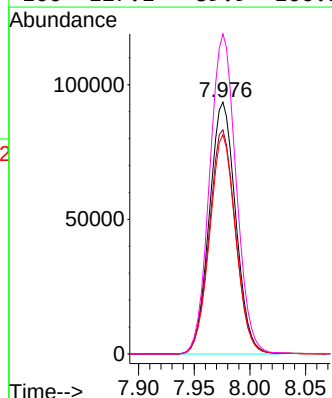
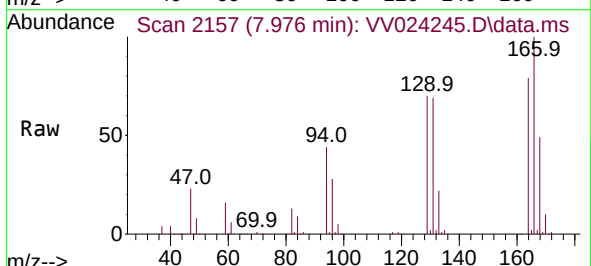
Ion Ratio Lower Upper

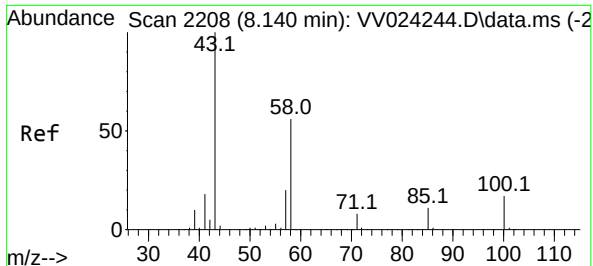
164 100

129 89.0 61.5 114.1

131 87.1 62.2 115.4

166 127.1 89.9 166.9





#48

2-Hexanone

Concen: 217.196 ug/L

RT: 8.136 min Scan# 21

Delta R.T. -0.003 min

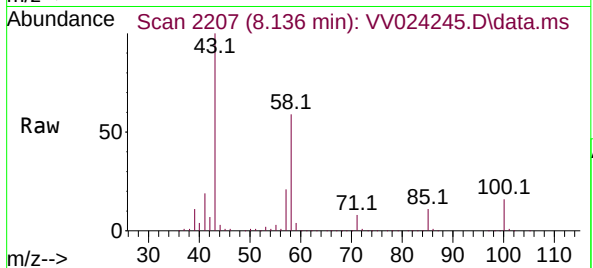
Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 317817

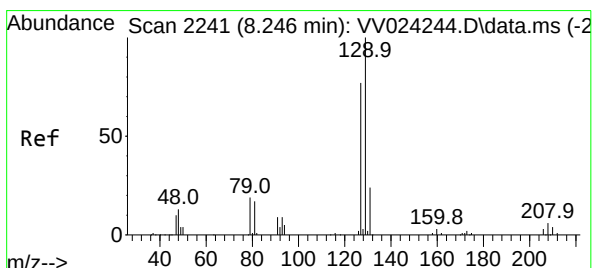
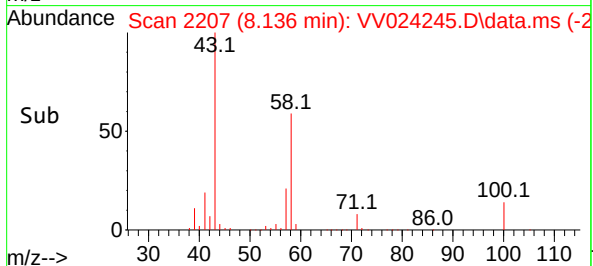
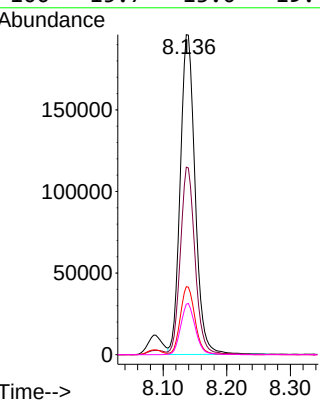
Ion Ratio Lower Upper

43 100

58 57.1 45.0 67.4

57 20.8 16.9 25.3

100 15.7 13.0 19.4



#49

Dibromochloromethane

Concen: 104.914 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VV024245.D

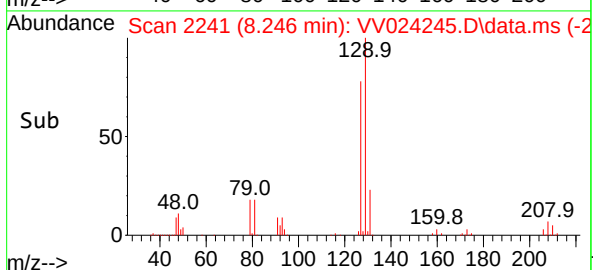
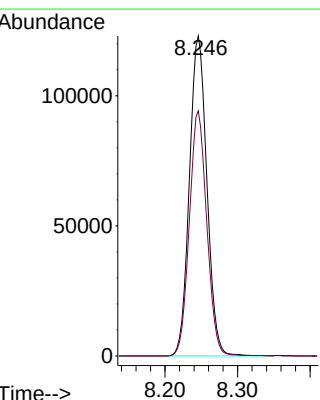
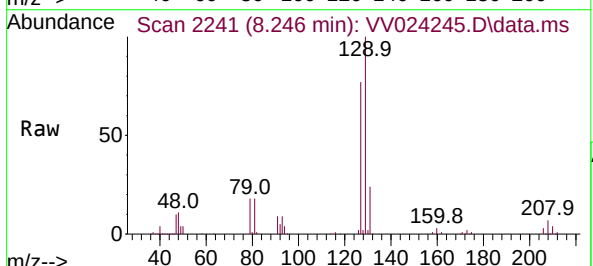
Acq: 30 Dec 2021 20:18

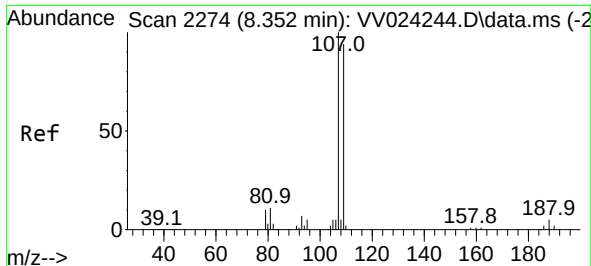
Tgt Ion:129 Resp: 205972

Ion Ratio Lower Upper

129 100

127 76.6 53.7 99.7

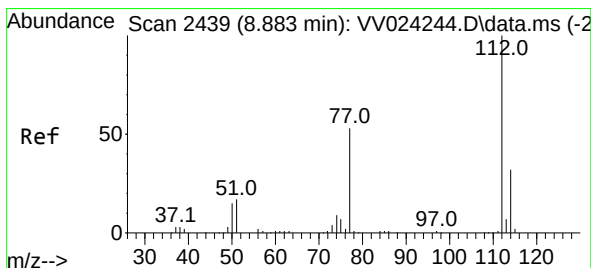
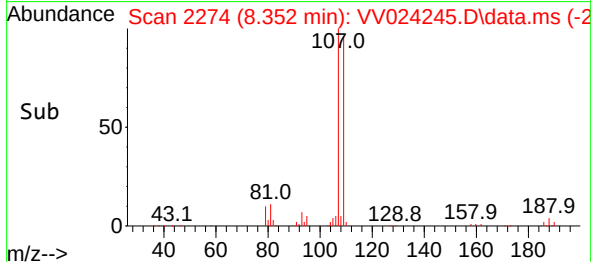
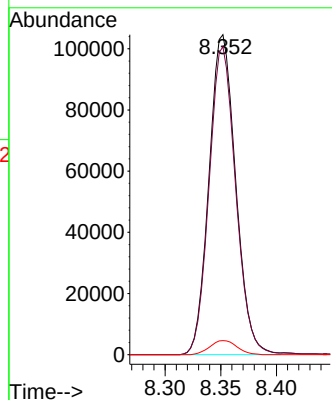
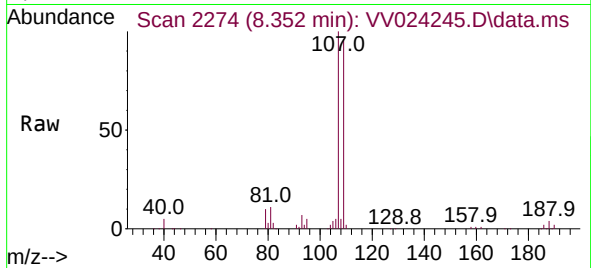




#50
 1,2-Dibromoethane
 Concen: 103.757 ug/L
 RT: 8.352 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

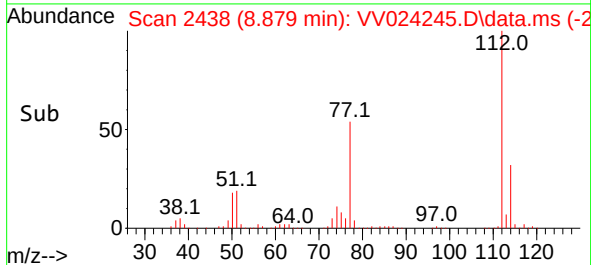
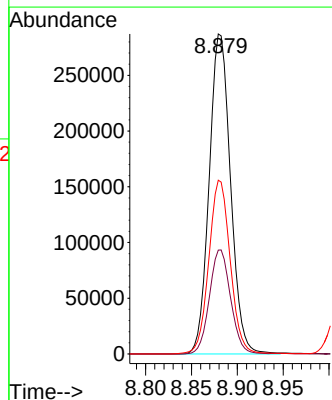
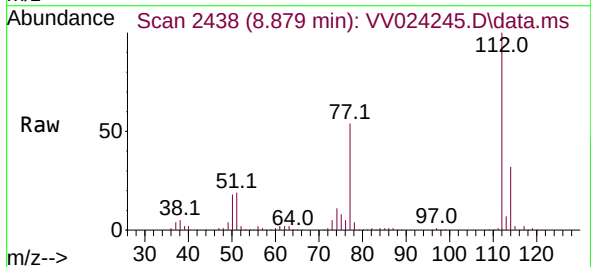
Instrument :
 MSVOA_V
 ClientSampleId :

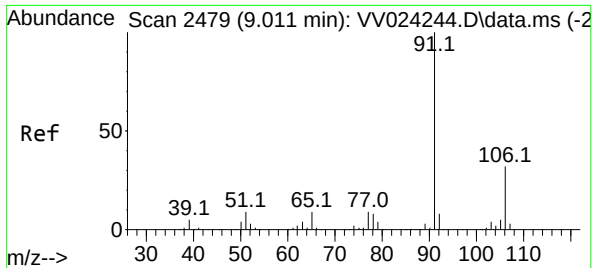
Tgt Ion:107 Resp: 174546
 Ion Ratio Lower Upper
 107 100
 109 96.3 65.8 122.2
 188 4.4 3.8 5.6



#51
 Chlorobenzene
 Concen: 103.729 ug/L
 RT: 8.879 min Scan# 2438
 Delta R.T. -0.003 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

Tgt Ion:112 Resp: 465845
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.3 41.5
 77 54.3 42.8 64.2

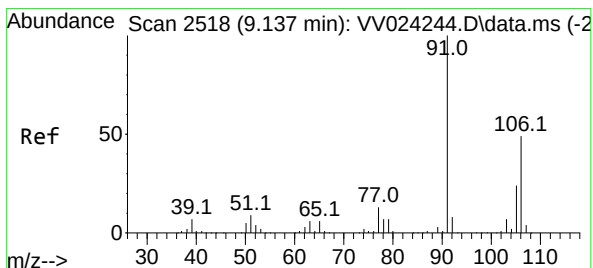
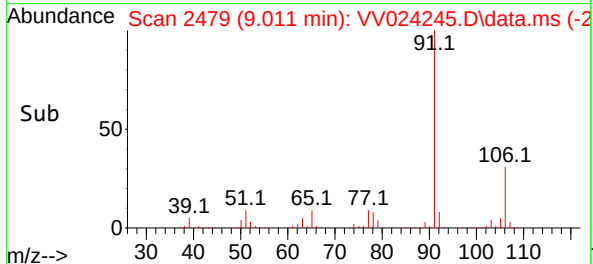
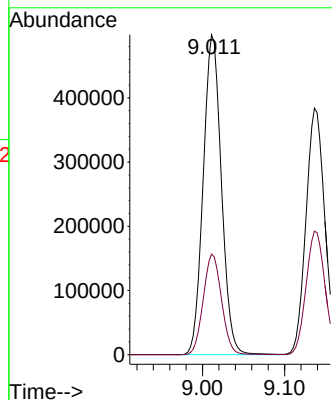
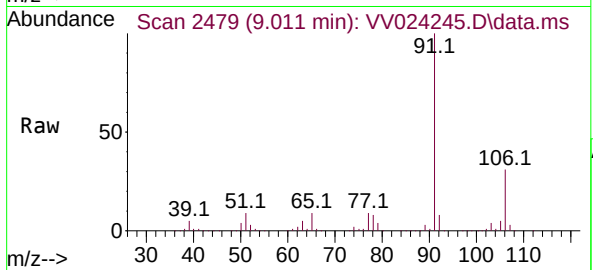




#52
Ethylbenzene
Concen: 107.624 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

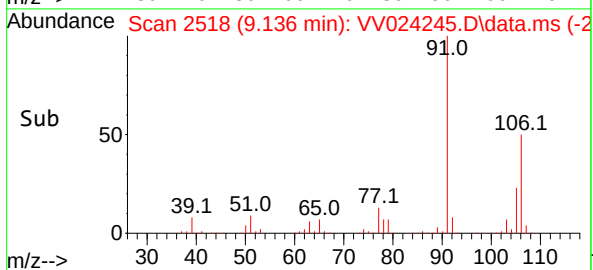
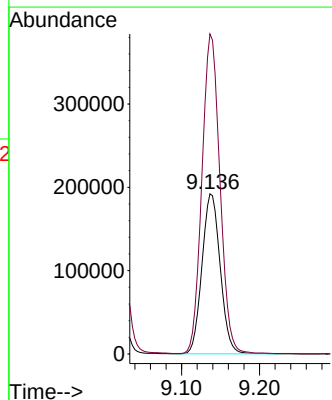
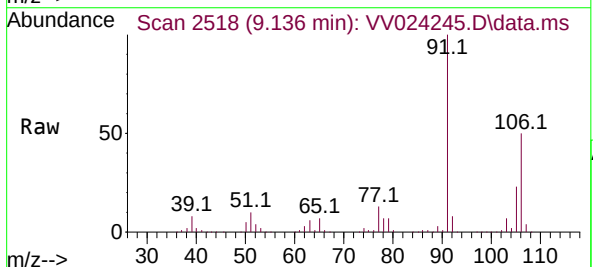
Instrument :
MSVOA_V
ClientSampleId :

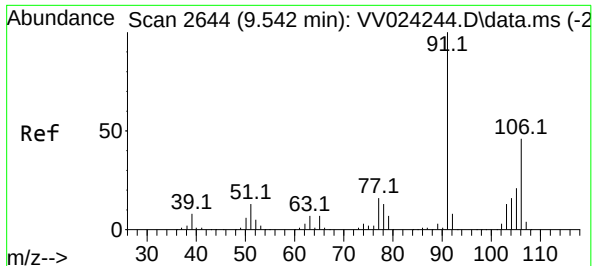
Tgt Ion: 91 Resp: 766622
Ion Ratio Lower Upper
91 100
106 31.4 22.0 41.0



#53
m,p-Xylene
Concen: 108.871 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion:106 Resp: 310851
Ion Ratio Lower Upper
106 100
91 199.7 141.8 263.4

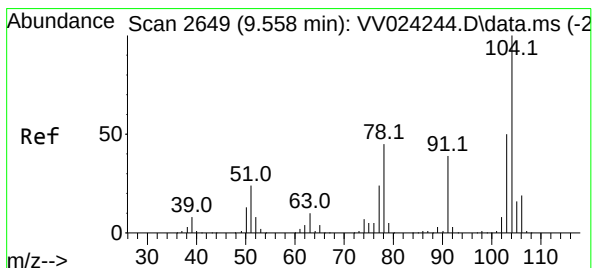
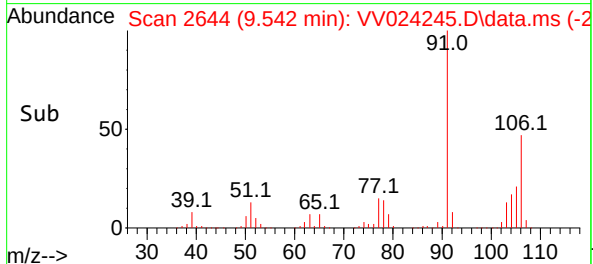
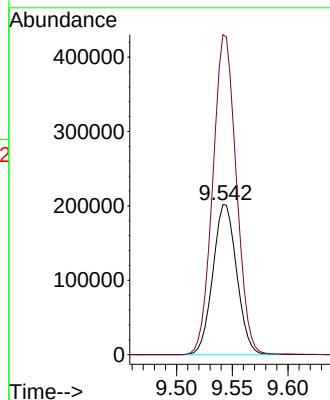
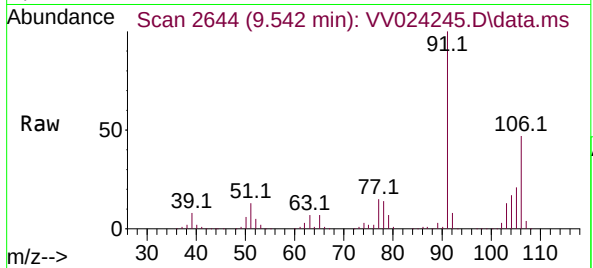




#54
o-Xylene
Concen: 110.342 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

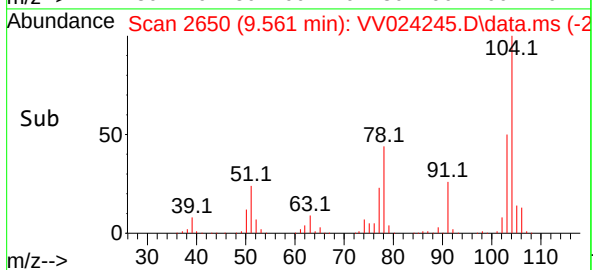
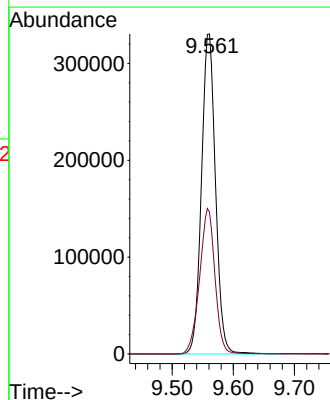
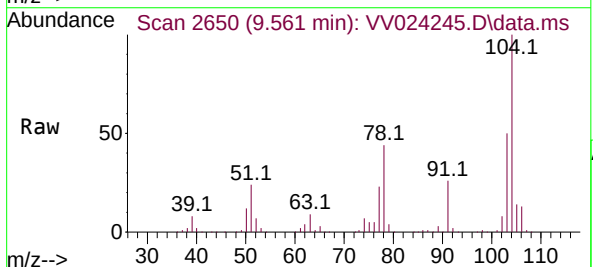
Instrument :
MSVOA_V
ClientSampleId :

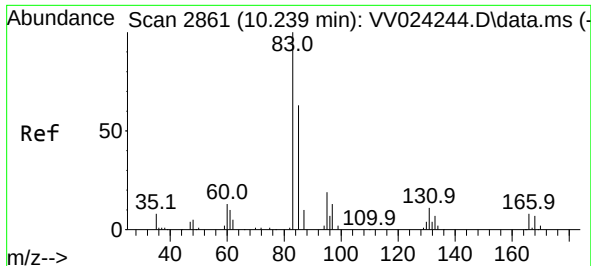
Tgt Ion:106 Resp: 300743
Ion Ratio Lower Upper
106 100
91 213.2 150.9 280.3



#55
Styrene
Concen: 111.325 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion:104 Resp: 526921
Ion Ratio Lower Upper
104 100
78 44.3 31.5 58.5

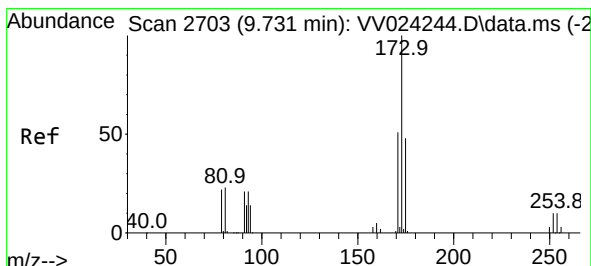
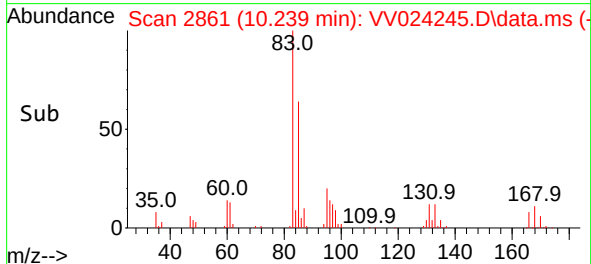
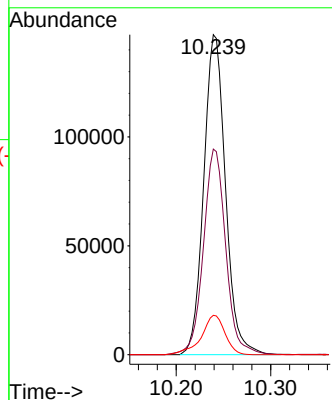
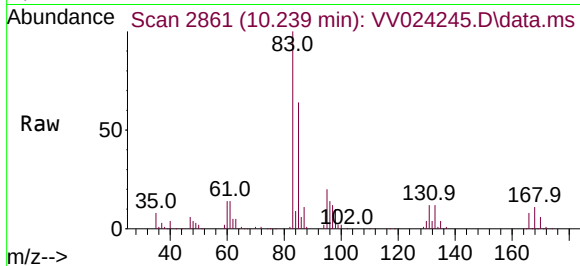




#57
 1,1,2,2-Tetrachloroethane
 Concen: 102.745 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

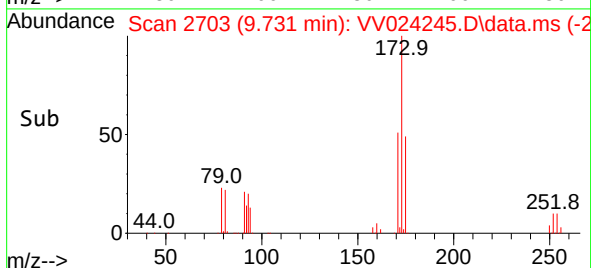
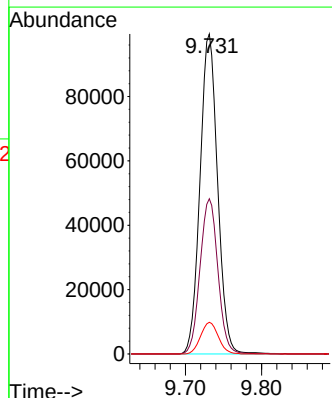
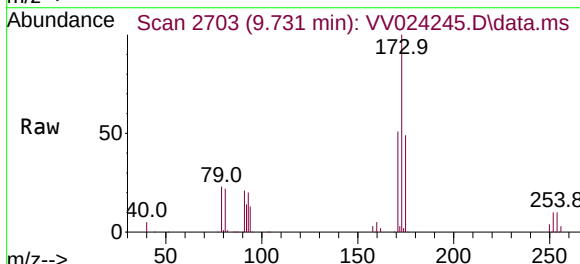
Instrument :
 MSVOA_V
 ClientSampleId :

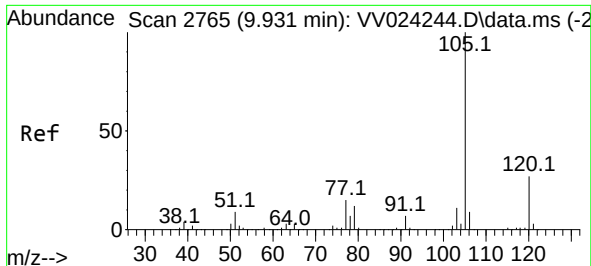
Tgt Ion: 83 Resp: 234978
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.5 82.7
 131 12.3 9.2 13.8



#59
 Bromoform
 Concen: 102.981 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

Tgt Ion: 173 Resp: 159585
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.4 59.2
 254 10.0 7.8 11.6

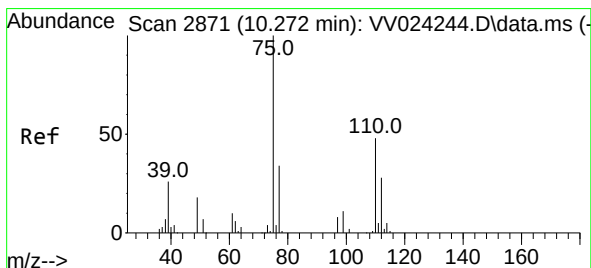
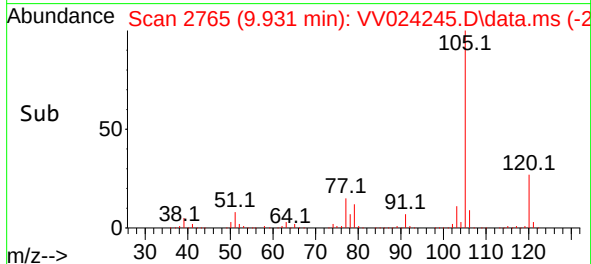
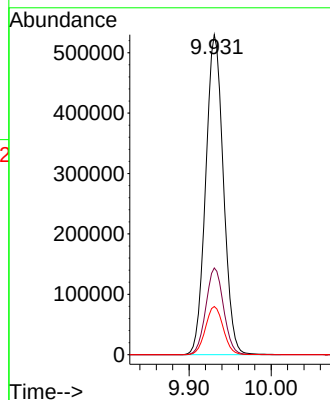
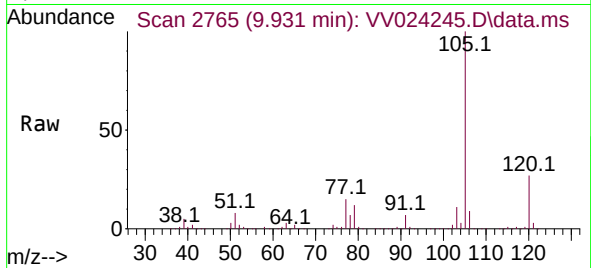




#60
Isopropylbenzene
Concen: 105.652 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

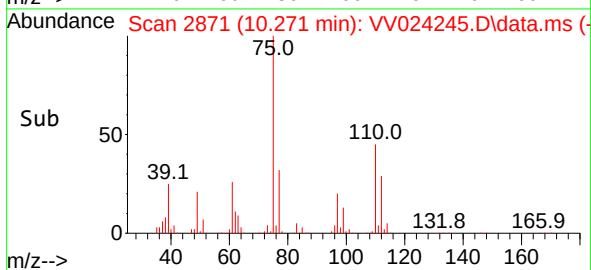
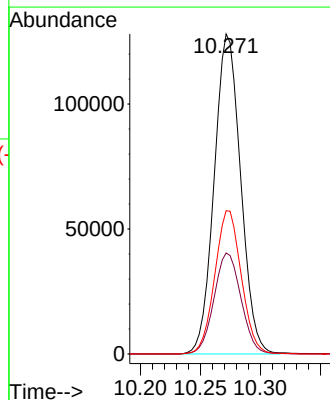
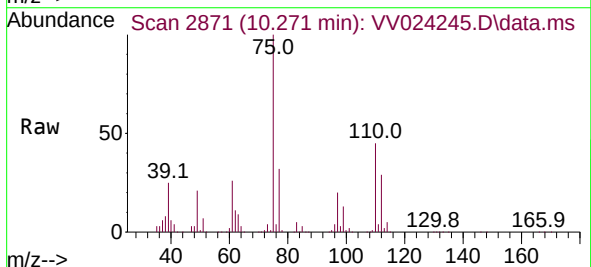
Instrument :
MSVOA_V
ClientSampleId :

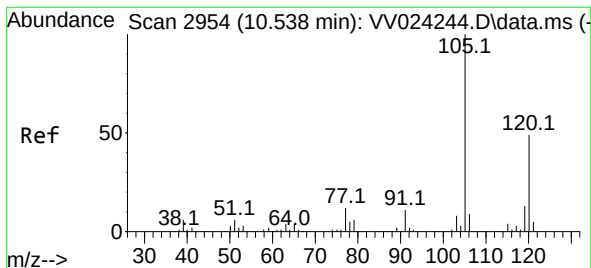
Tgt Ion:105 Resp: 794521
Ion Ratio Lower Upper
105 100
120 27.2 21.9 32.9
77 15.2 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 98.299 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion: 75 Resp: 196161
Ion Ratio Lower Upper
75 100
77 32.3 26.9 40.3
110 45.0 37.1 55.7





#62

1,3,5-Trimethylbenzene

Concen: 109.113 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

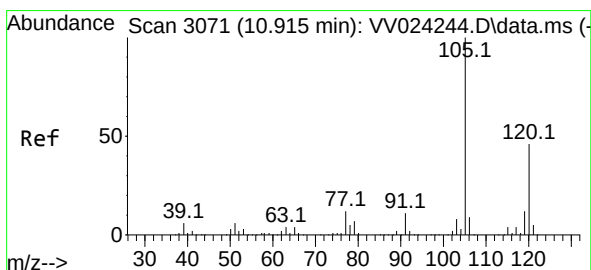
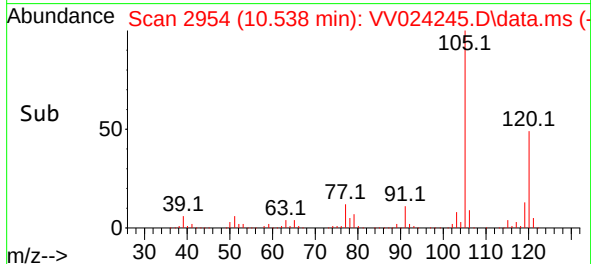
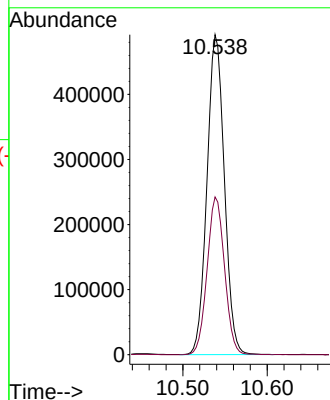
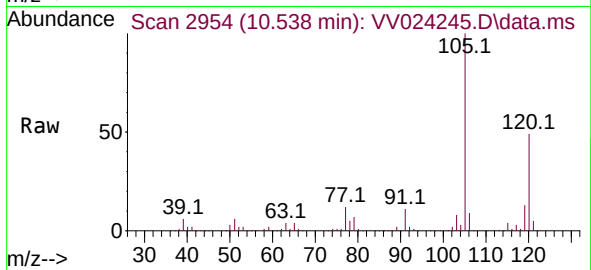
ClientSampleId :

Tgt Ion:105 Resp: 705827

Ion Ratio Lower Upper

105 100

120 49.4 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 109.247 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV024245.D

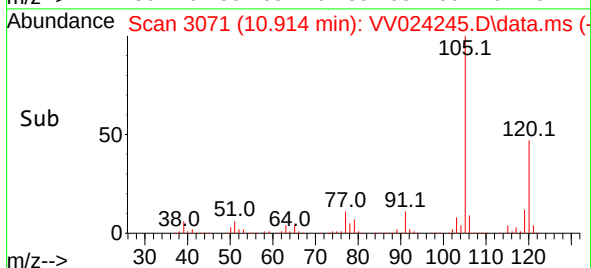
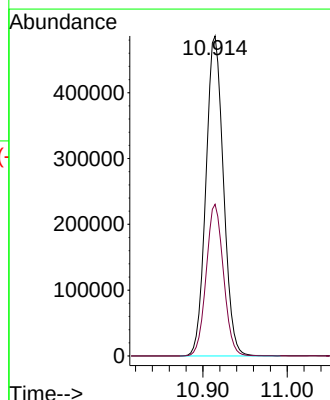
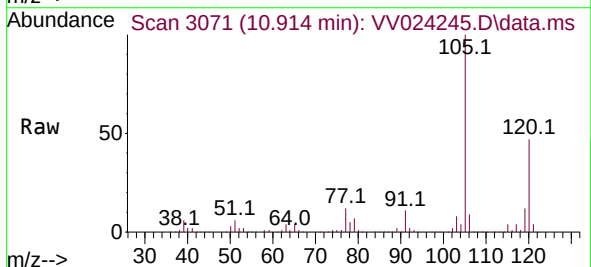
Acq: 30 Dec 2021 20:18

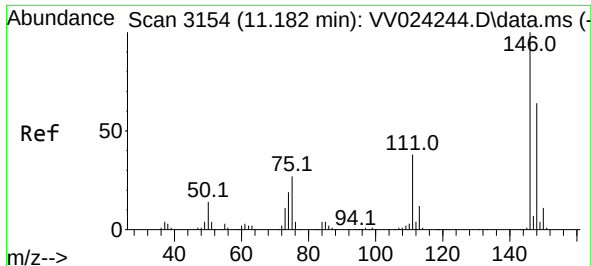
Tgt Ion:105 Resp: 705513

Ion Ratio Lower Upper

105 100

120 46.7 36.6 55.0

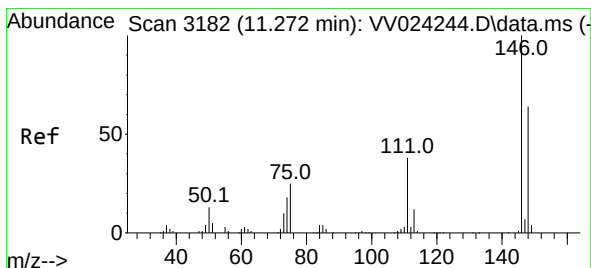
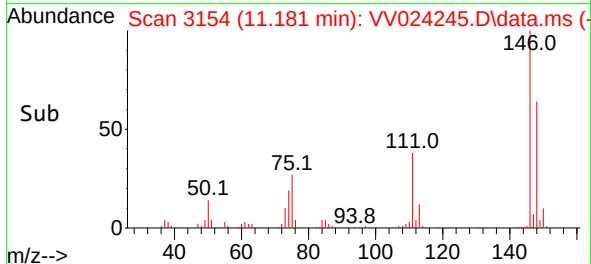
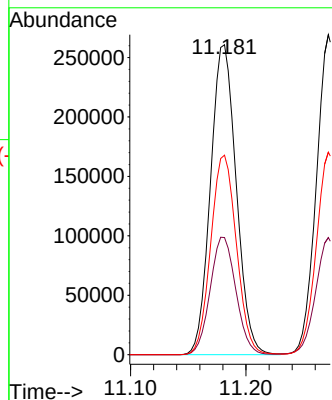
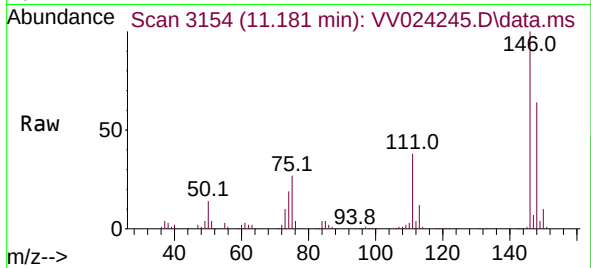




#64
1,3-Dichlorobenzene
Concen: 104.155 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

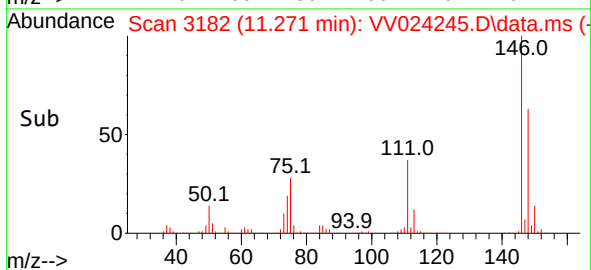
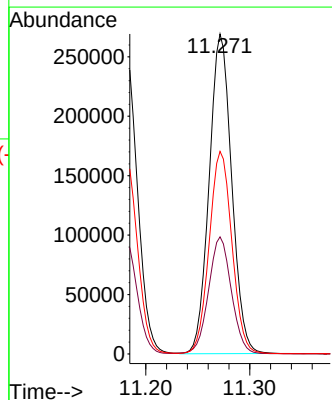
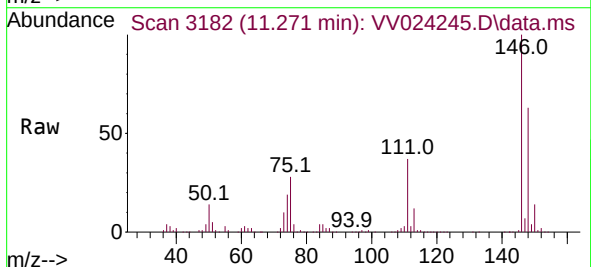
Instrument :
MSVOA_V
ClientSampleId :

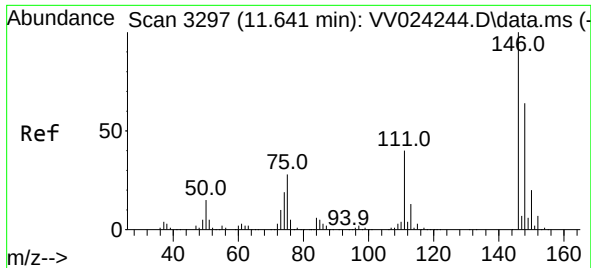
Tgt Ion:146 Resp: 403856
Ion Ratio Lower Upper
146 100
111 37.8 26.5 49.3
148 64.4 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 101.191 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

Tgt Ion:146 Resp: 404636
Ion Ratio Lower Upper
146 100
111 36.6 26.5 49.3
148 63.3 44.9 83.5

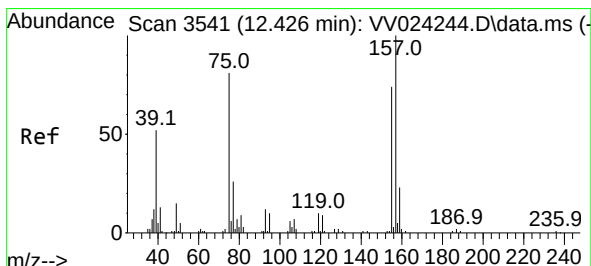
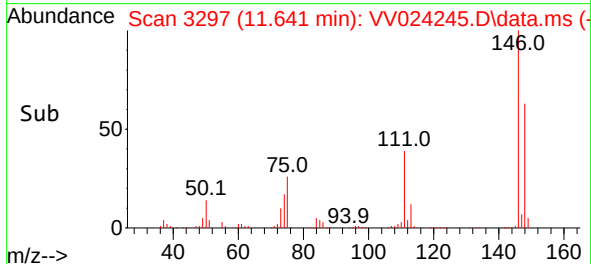
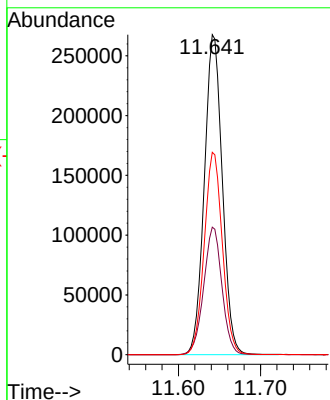
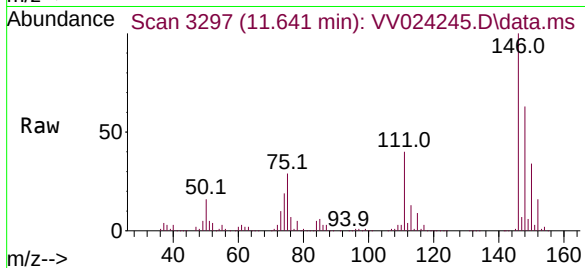




#67
1,2-Dichlorobenzene
Concen: 101.864 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

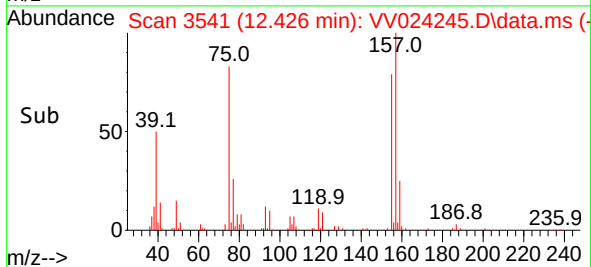
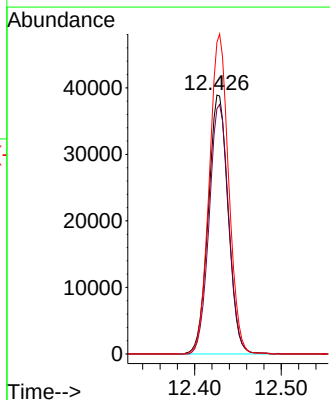
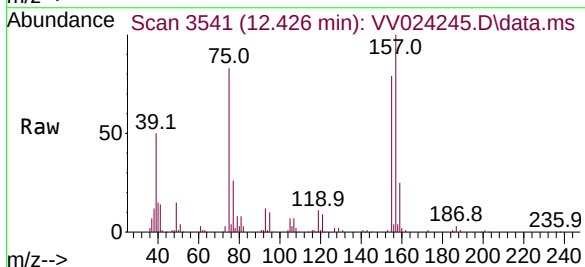
Instrument :
MSVOA_V
ClientSampleId :

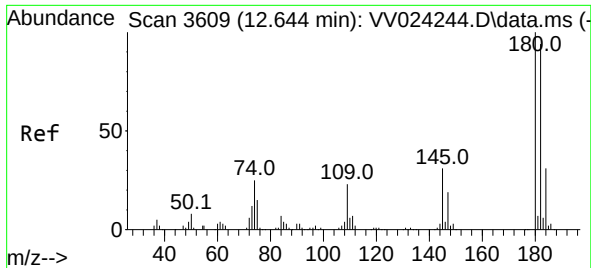
Tgt Ion:146 Resp: 407067
Ion Ratio Lower Upper
146 100
111 39.9 32.0 48.0
148 63.3 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 107.946 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV024245.D
Acq: 30 Dec 2021 20:18

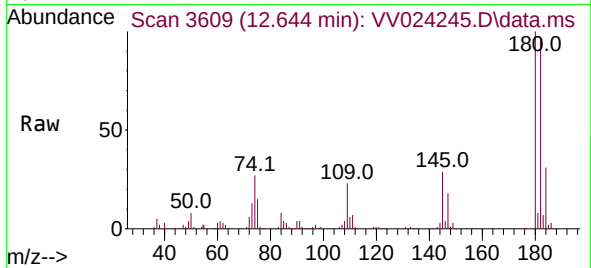
Tgt Ion: 75 Resp: 62036
Ion Ratio Lower Upper
75 100
155 94.8 73.2 109.8
157 120.3 98.5 147.7



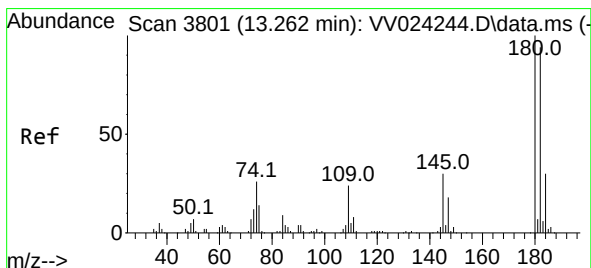
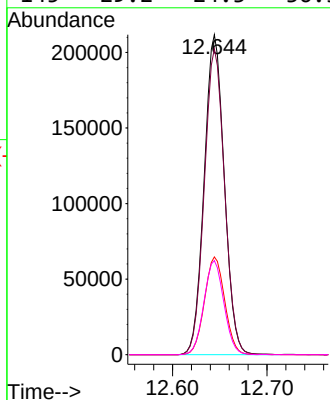
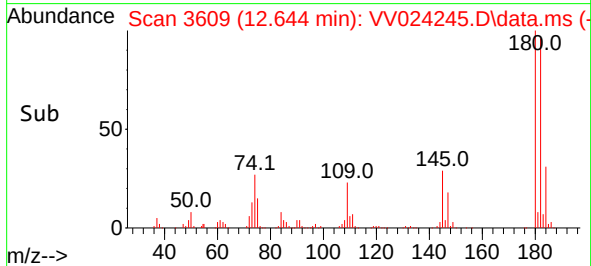


#69
 1,3,5-Trichlorobenzene
 Concen: 104.855 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18

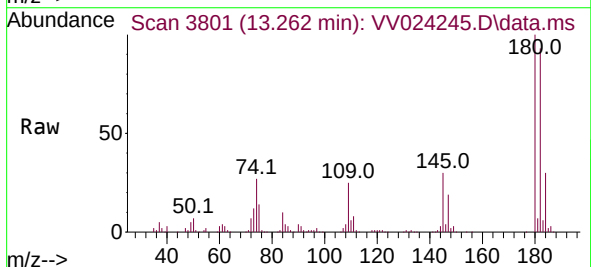
Instrument :
 MSVOA_V
 ClientSampleId :



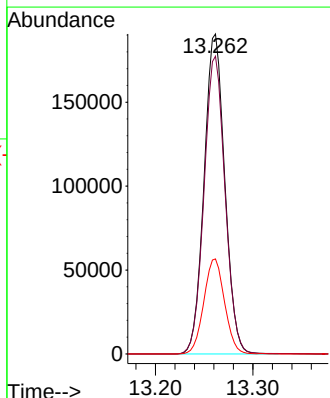
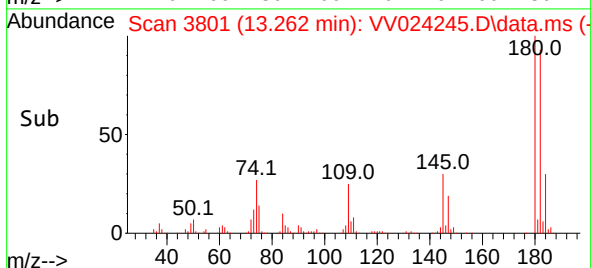
Tgt Ion:180 Resp: 312727
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.4 113.2
 184 30.8 24.7 37.1
 145 29.2 24.3 36.5

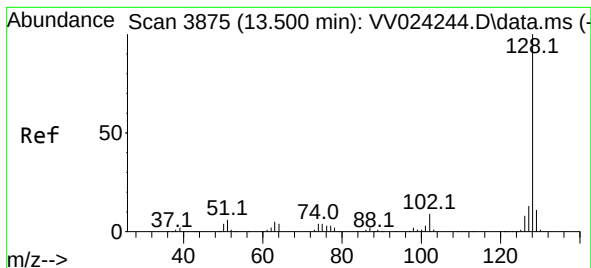


#70
 1,2,4-trichlorobenzene
 Concen: 110.317 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV024245.D
 Acq: 30 Dec 2021 20:18



Tgt Ion:180 Resp: 281387
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.6 113.4
 145 29.8 23.9 35.9





#71

Naphthalene

Concen: 113.027 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Instrument :

MSVOA_V

ClientSampleId :

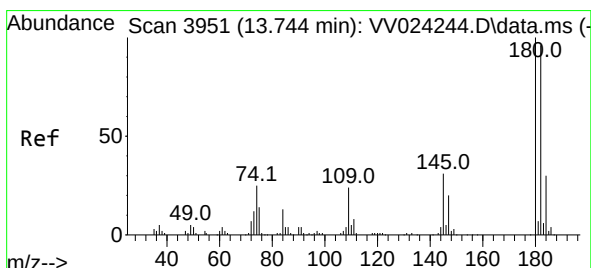
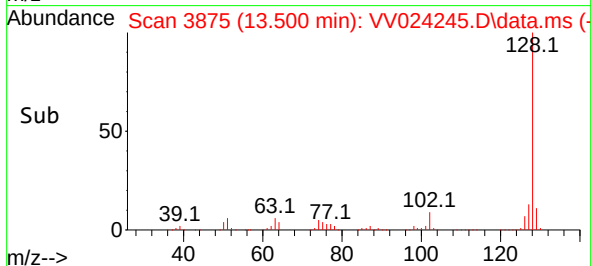
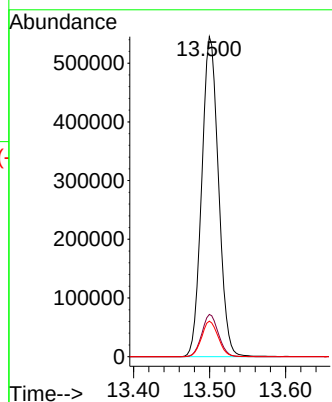
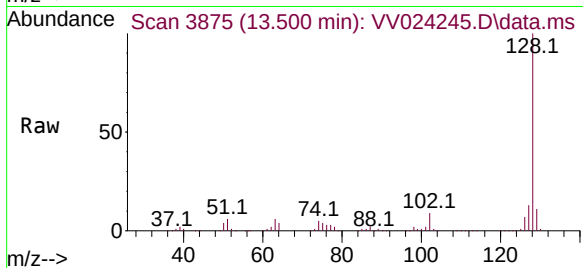
Tgt Ion:128 Resp: 834100

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 107.730 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VV024245.D

Acq: 30 Dec 2021 20:18

Tgt Ion:180 Resp: 284000

Ion Ratio Lower Upper

180 100

182 96.9 76.1 114.1

145 31.7 25.0 37.4

