

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040424\
 Data File : VW028309.D
 Acq On : 04 Apr 2024 13:05
 Operator : SY/MD
 Sample : P1988-05MS
 Misc : 5.40g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 05 01:01:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 05 00:59:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	358007	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	316043	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	154022	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	76323	18.221	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.880%
7) Chloroethane-d5	2.905	69	59240	20.242	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.960%
11) 1,1-Dichloroethene-d2	4.027	65	47893	18.030	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.120%
21) 2-Butanone-d5	7.075	46	51166	41.415	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.820%
24) Chloroform-d	7.654	84	224557	21.271	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.080%
26) 1,2-Dichloroethane-d4	8.307	65	108033	18.570	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.280%
32) Benzene-d6	8.276	84	423952	21.971	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.880%
36) 1,2-Dichloropropane-d6	9.276	67	128745	23.185	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.760%
41) Toluene-d8	10.325	98	377266	21.197	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	10.581	79	50114	19.871	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.480%
47) 2-Hexanone-d5	10.922	63	41085	44.762	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.520%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	89272	21.764	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.040%
66) 1,2-Dichlorobenzene-d4	13.849	152	120327	21.446	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.021	85	80610	15.522	ug/L	93
3) Chloromethane	2.229	50	74297	20.170	ug/L	97
5) Vinyl chloride	2.375	62	90300	21.687	ug/L	99
6) Bromomethane	2.796	94	53348	21.514	ug/L	93
8) Chloroethane	2.942	64	52248	23.346	ug/L	96
9) Trichlorofluoromethane	3.277	101	117311	23.303	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	108860	21.768	ug/L	96
12) 1,1-Dichloroethene	4.051	96	99180	21.454	ug/L	87
13) Acetone	4.125	43	55047	40.129	ug/L	95
14) Carbon disulfide	4.393	76	274684	19.050	ug/L	100
15) Methyl Acetate	4.679	43	38988	18.452	ug/L	99
16) Methylene chloride	4.923	84	106219	19.494	ug/L	99
17) trans-1,2-Dichloroethene	5.435	96	103526	21.072	ug/L	93
18) Methyl tert-butyl Ether	5.435	73	155653	20.999	ug/L	98
19) 1,1-Dichloroethane	6.228	63	211317	22.217	ug/L	99
20) cis-1,2-Dichloroethene	7.179	96	117748	22.191	ug/L	98
22) 2-Butanone	7.167	43	60501	38.846	ug/L	99
23) Bromochloromethane	7.520	128	48422	20.642	ug/L	92
25) Chloroform	7.679	83	211918	21.642	ug/L	97

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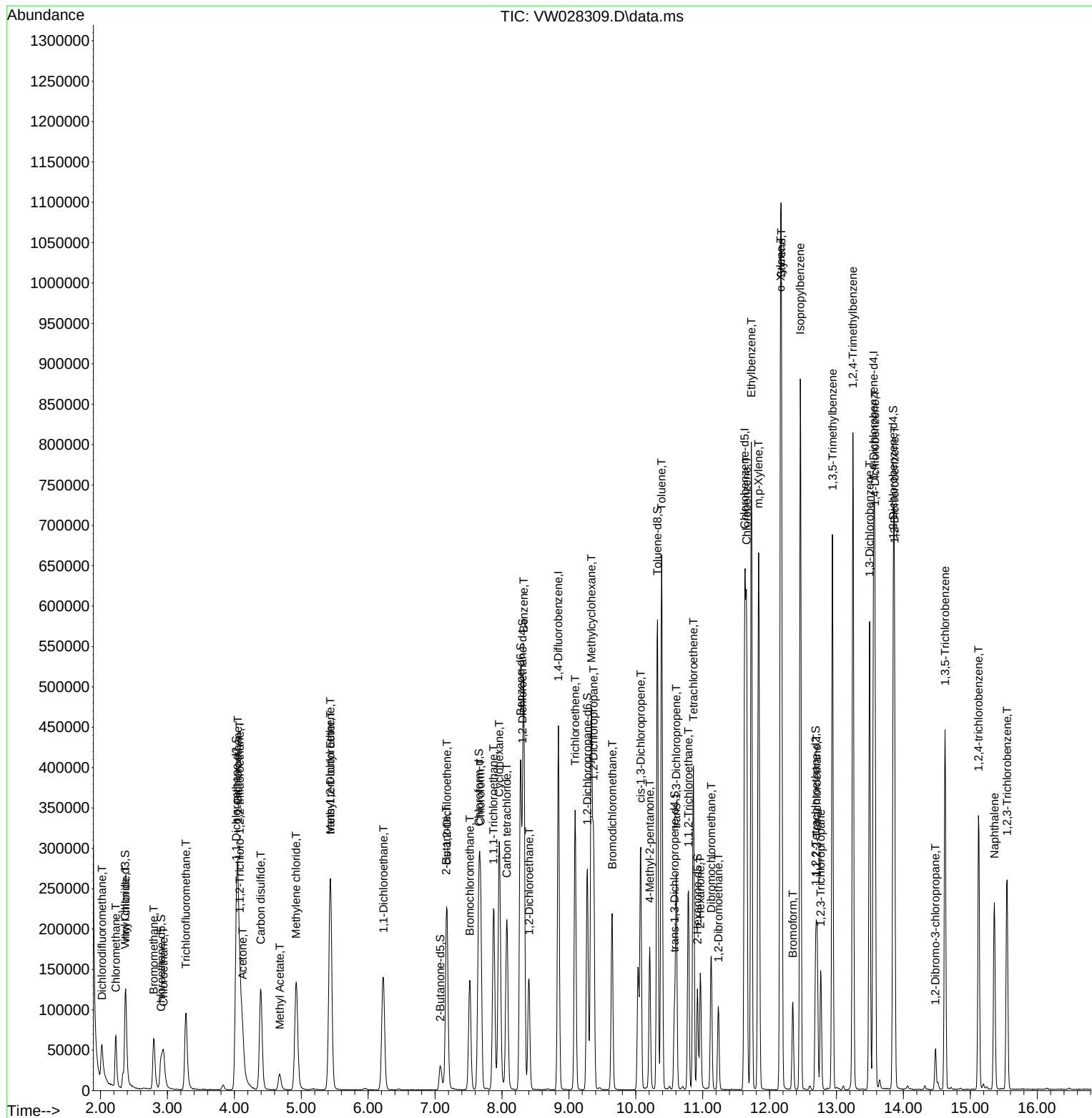
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	128065	18.520	ug/L	97
29) Cyclohexane	7.959	56	182045	22.084	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	183709	22.175	ug/L	99
31) Carbon tetrachloride	8.069	117	164956	21.227	ug/L	98
33) Benzene	8.325	78	447110	22.990	ug/L	100
34) Trichloroethene	9.093	95	119587	22.040	ug/L	99
35) Methylcyclohexane	9.337	83	186670	20.354	ug/L	100
37) 1,2-Dichloropropane	9.368	63	115923	23.304	ug/L	99
38) Bromodichloromethane	9.648	83	147745	22.030	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	177821	22.322	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	114618	41.744	ug/L	99
42) Toluene	10.386	91	483057	22.759	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	143148	21.283	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	76487	21.282	ug/L	96
46) Tetrachloroethene	10.861	164	92411	21.129	ug/L	94
48) 2-Hexanone	10.965	43	91403	42.496	ug/L	97
49) Dibromochloromethane	11.129	129	89761	21.088	ug/L	98
50) 1,2-Dibromoethane	11.233	107	69744	20.295	ug/L	96
51) Chlorobenzene	11.654	112	299658	22.243	ug/L	98
52) Ethylbenzene	11.727	91	555827	22.433	ug/L	99
53) m,p-Xylene	11.837	106	205897	22.082	ug/L	95
54) o-Xylene	12.166	106	199351	23.056	ug/L	99
55) Styrene	12.178	104	332754	22.405	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.708	83	85769	20.864	ug/L	96
59) Bromoform	12.349	173	51062	22.124	ug/L	97
60) Isopropylbenzene	12.459	105	552125	24.127	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	61509	20.925	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	363643	23.683	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	434279	23.423	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	226730	22.208	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	227870	22.321	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	197586	22.474	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	13372	19.365	ug/L	97
69) 1,3,5-Trichlorobenzene	14.623	180	138181	19.431	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	107297	17.760	ug/L	97
71) Naphthalene	15.360	128	200086	19.296	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	89558	17.982	ug/L	98

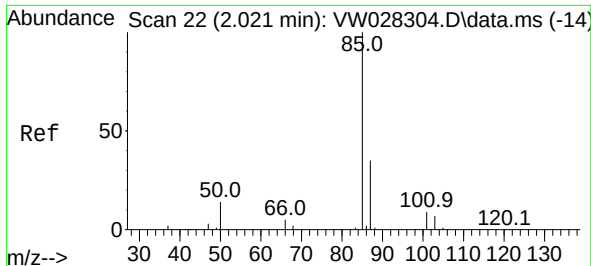
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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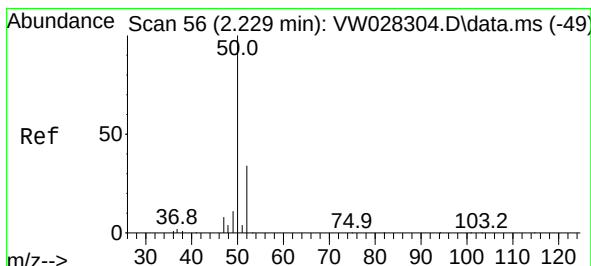
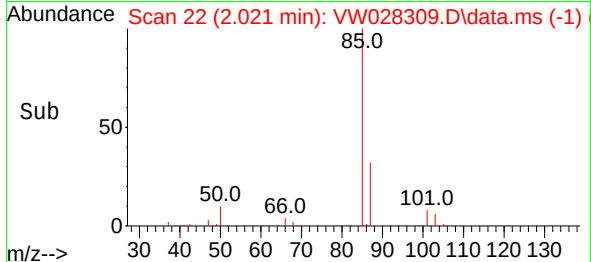
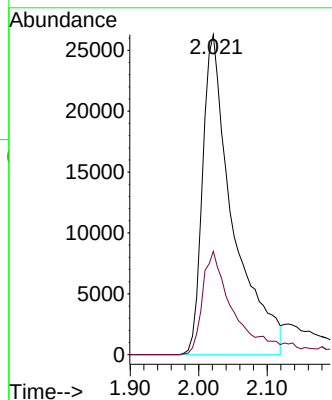
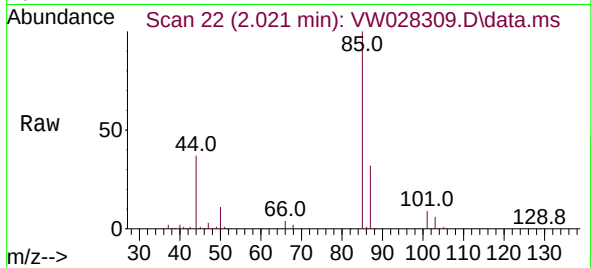




#2
 Dichlorodifluoromethane
 Concen: 15.522 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW028309.D
 Acq: 04 Apr 2024 13:05

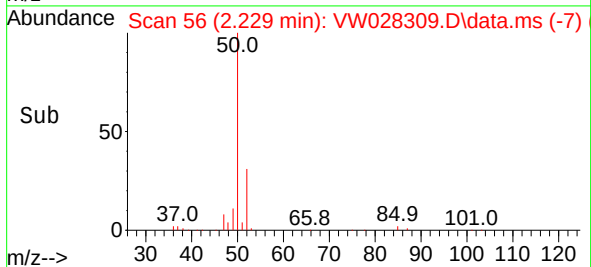
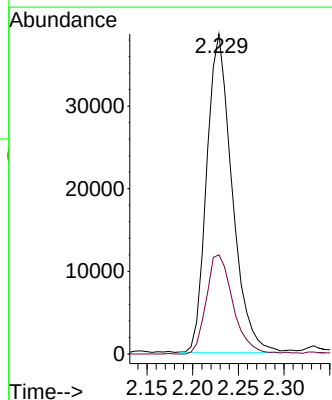
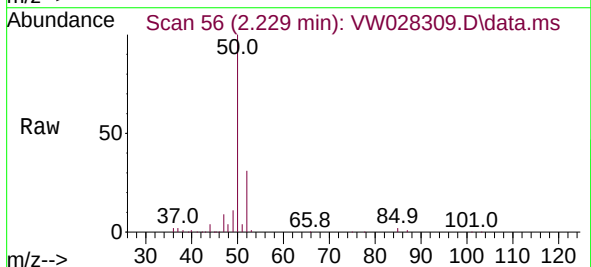
Instrument :
 MSVOA_W
 ClientSampleId :

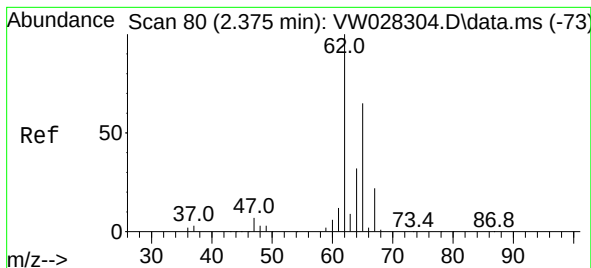
Tgt Ion: 85 Resp: 80610
 Ion Ratio Lower Upper
 85 100
 87 29.6 20.9 31.3



#3
 Chloromethane
 Concen: 20.170 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VW028309.D
 Acq: 04 Apr 2024 13:05

Tgt Ion: 50 Resp: 74297
 Ion Ratio Lower Upper
 50 100
 52 31.0 22.7 42.1





#5

Vinyl chloride

Concen: 21.687 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

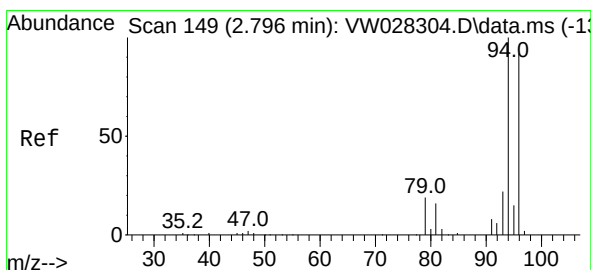
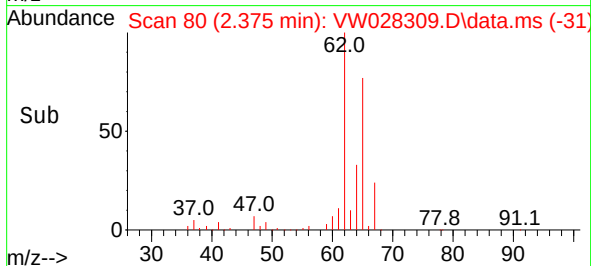
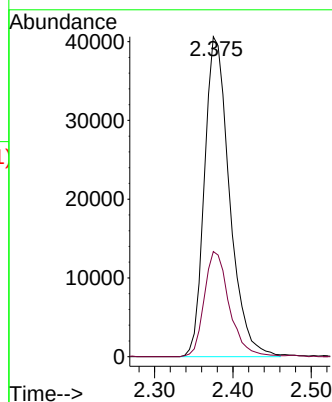
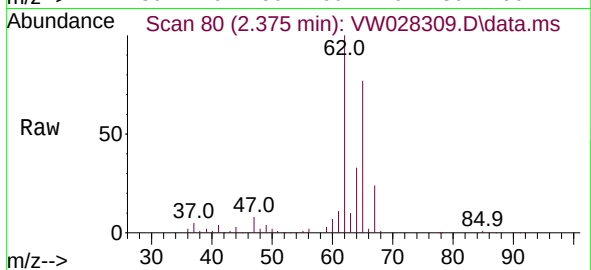
ClientSampleId :

Tgt Ion: 62 Resp: 90300

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.7



#6

Bromomethane

Concen: 21.514 ug/L

RT: 2.796 min Scan# 149

Delta R.T. 0.000 min

Lab File: VW028309.D

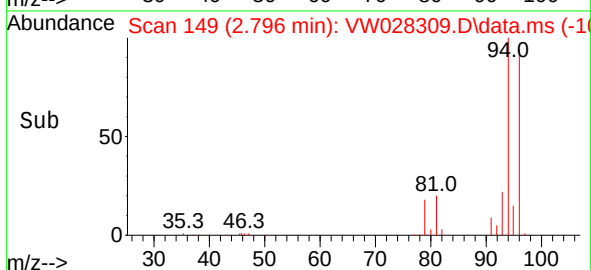
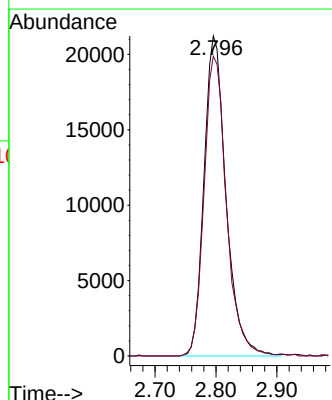
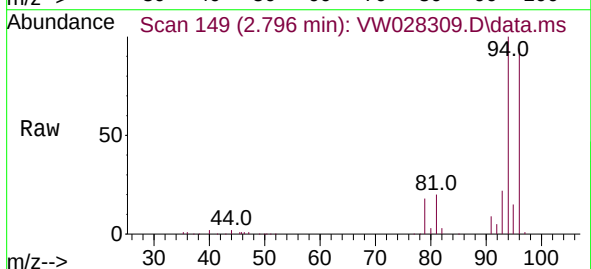
Acq: 04 Apr 2024 13:05

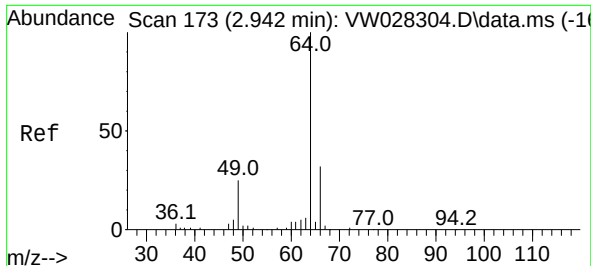
Tgt Ion: 94 Resp: 53348

Ion Ratio Lower Upper

94 100

96 93.7 60.8 113.0

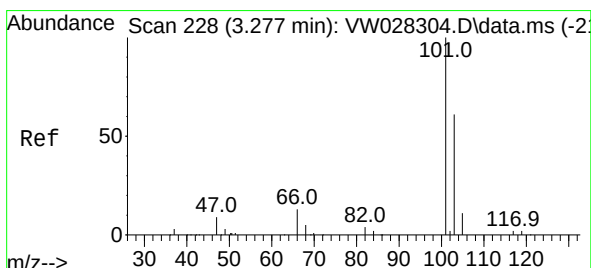
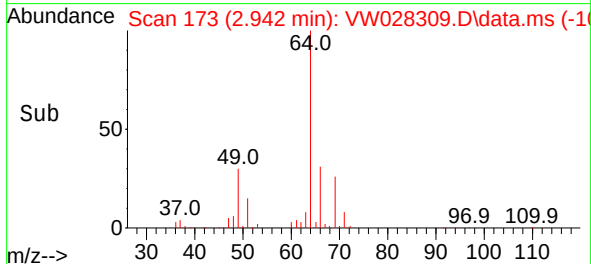
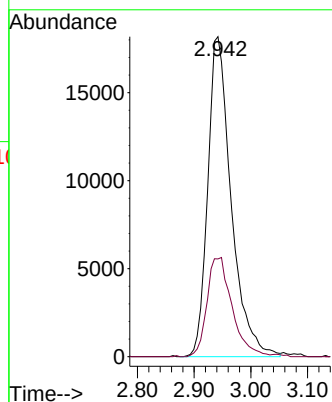
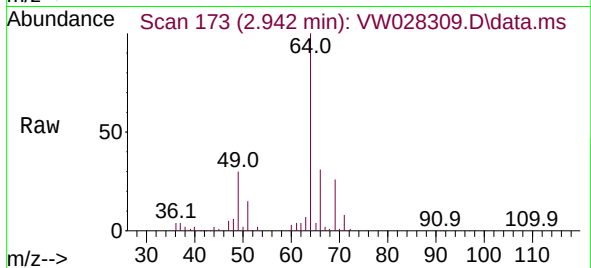




#8
Chloroethane
Concen: 23.346 ug/L
RT: 2.942 min Scan# 173
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

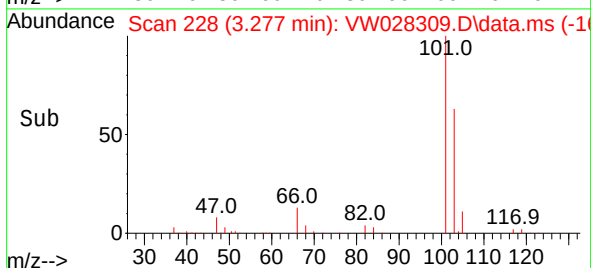
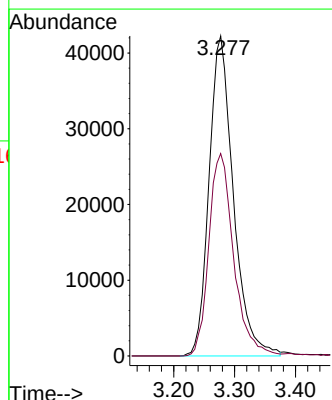
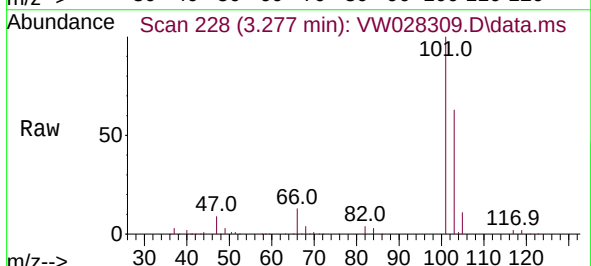
Instrument :
MSVOA_W
ClientSampleId :

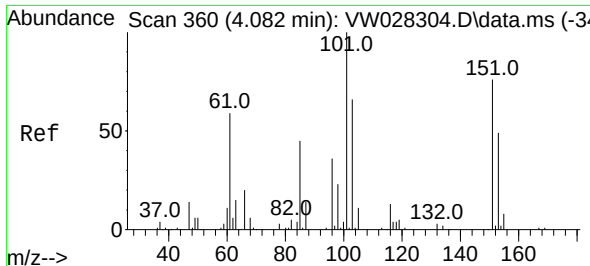
Tgt Ion: 64 Resp: 52248
Ion Ratio Lower Upper
64 100
66 30.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 23.303 ug/L
RT: 3.277 min Scan# 228
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Tgt Ion:101 Resp: 117311
Ion Ratio Lower Upper
101 100
103 64.5 50.9 76.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 21.768 ug/L

RT: 4.082 min Scan# 360

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

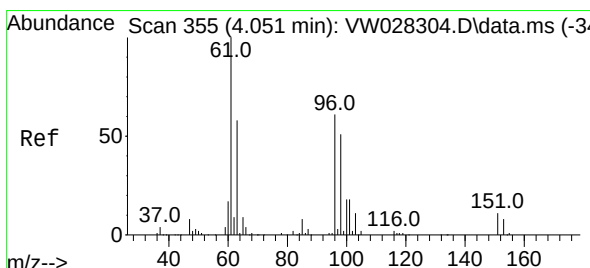
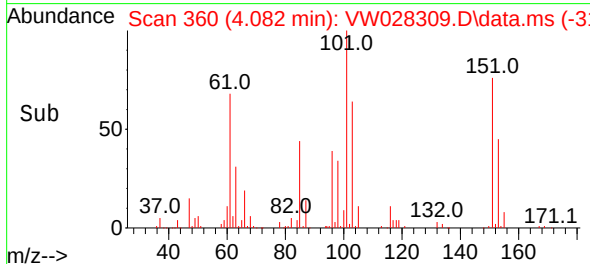
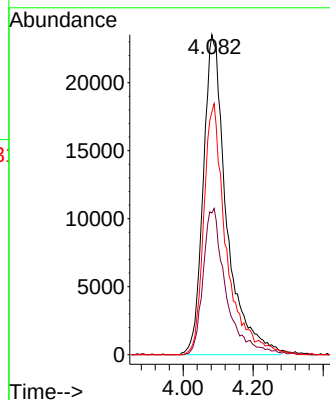
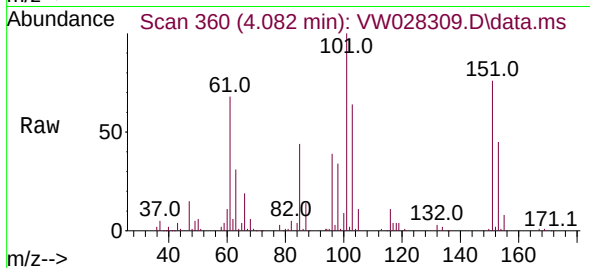
Tgt Ion:101 Resp: 108860

Ion Ratio Lower Upper

101 100

85 40.8 36.4 54.6

151 71.4 58.4 87.6



#12

1,1-Dichloroethene

Concen: 21.454 ug/L

RT: 4.051 min Scan# 355

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

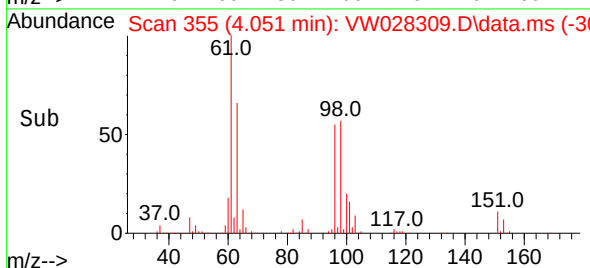
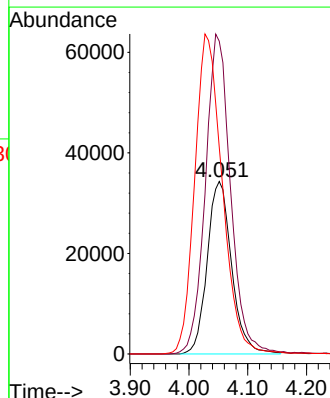
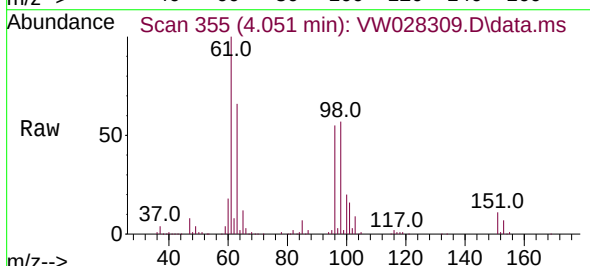
Tgt Ion: 96 Resp: 99180

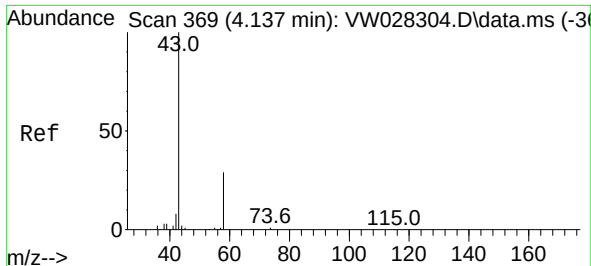
Ion Ratio Lower Upper

96 100

61 181.2 132.2 245.4

63 119.9 104.6 194.2

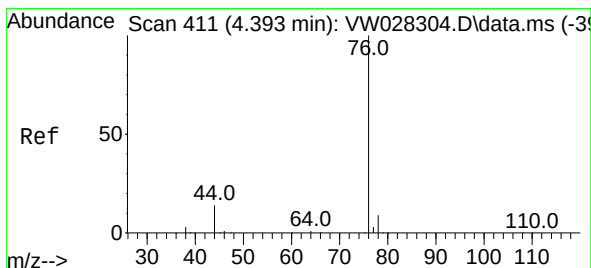
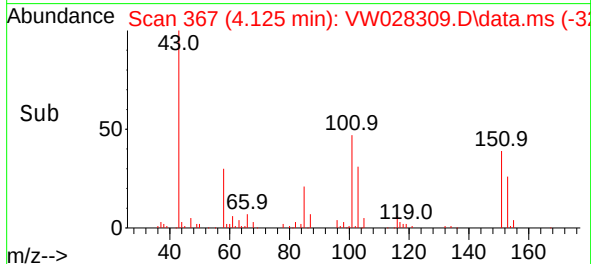
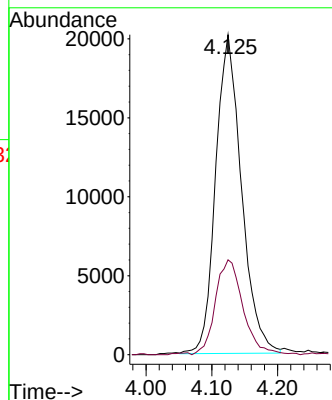
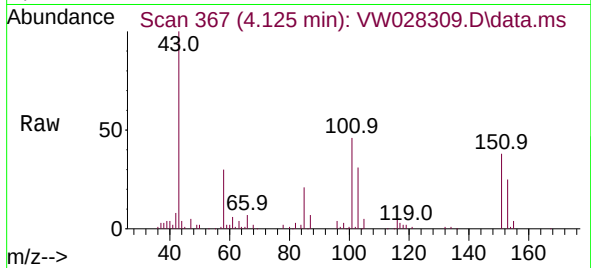




#13
Acetone
Concen: 40.129 ug/L
RT: 4.125 min Scan# 367
Delta R.T. -0.012 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

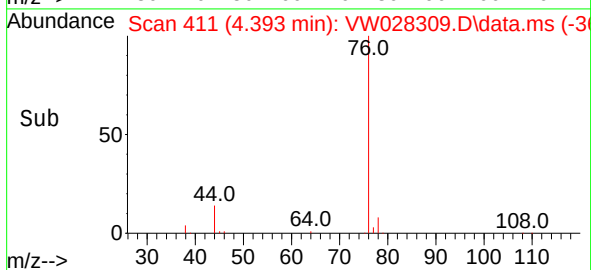
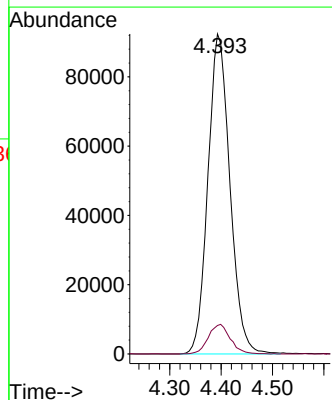
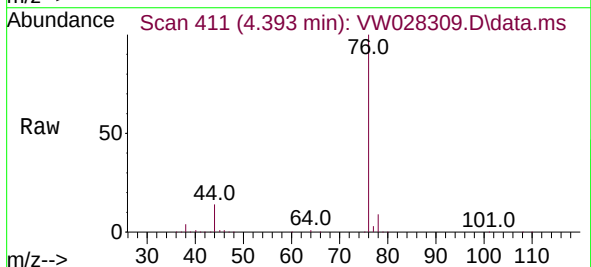
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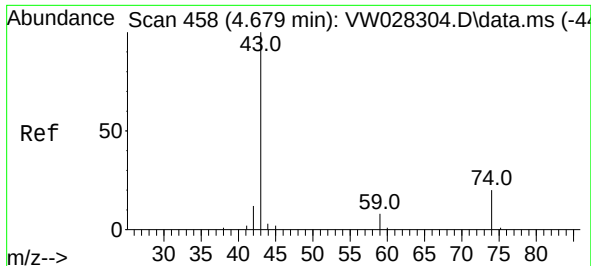
Tgt Ion: 43 Resp: 55047
Ion Ratio Lower Upper
43 100
58 31.7 0.0 57.8



#14
Carbon disulfide
Concen: 19.050 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Tgt Ion: 76 Resp: 274684
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7





#15

Methyl Acetate

Concen: 18.452 ug/L

RT: 4.679 min Scan# 4

Delta R.T. 0.000 min

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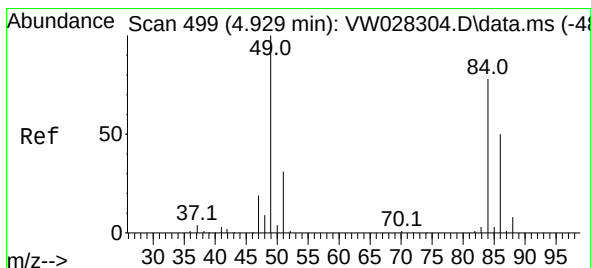
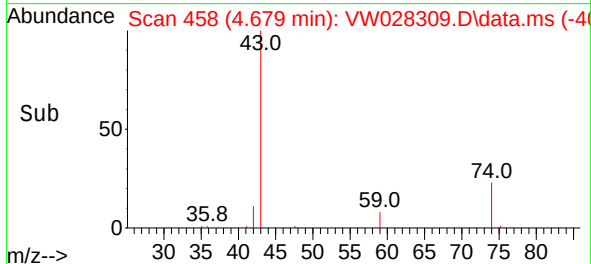
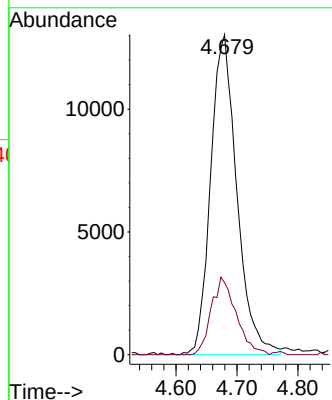
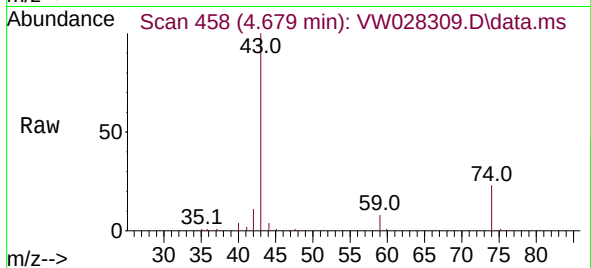
ClientSampleId :

Tgt Ion: 43 Resp: 38988

Ion Ratio Lower Upper

43 100

74 23.0 18.2 27.2



#16

Methylene chloride

Concen: 19.494 ug/L

RT: 4.923 min Scan# 498

Delta R.T. -0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

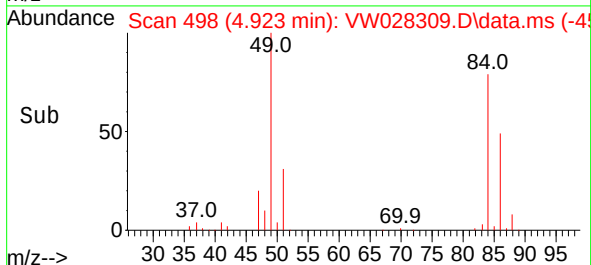
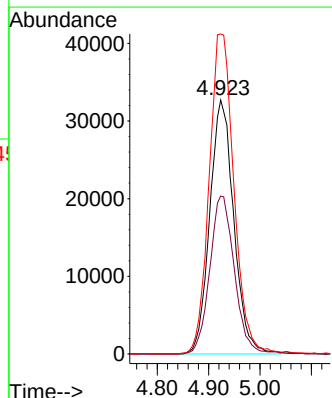
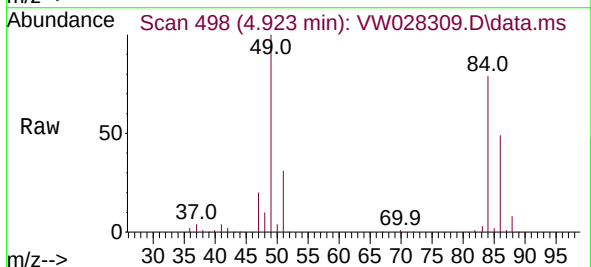
Tgt Ion: 84 Resp: 106219

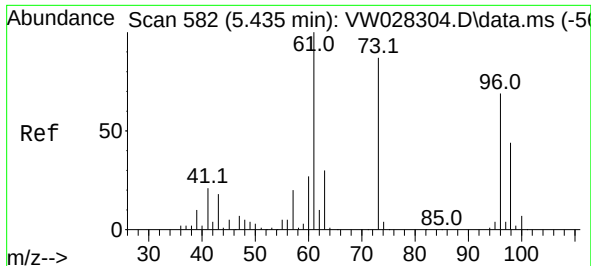
Ion Ratio Lower Upper

84 100

86 62.2 43.1 80.1

49 126.0 89.4 166.0





#17

trans-1,2-Dichloroethene

Concen: 21.072 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

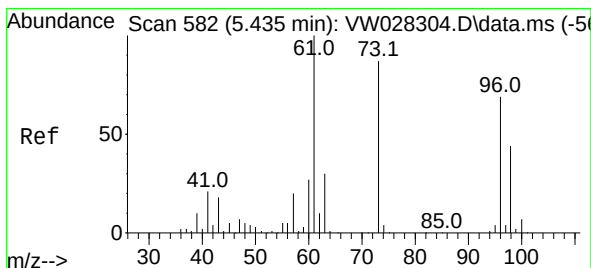
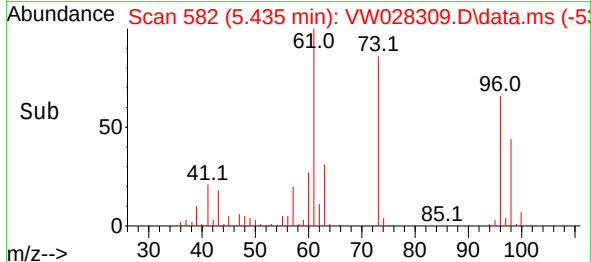
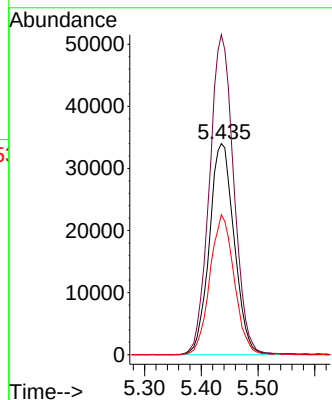
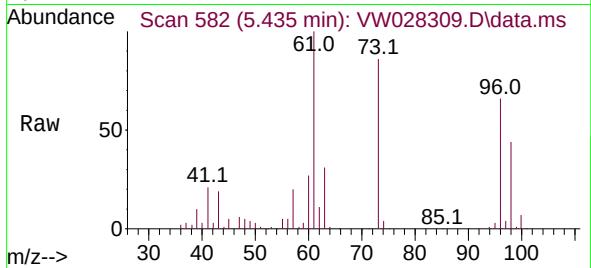
Tgt Ion: 96 Resp: 103526

Ion Ratio Lower Upper

96 100

61 151.6 98.4 182.8

98 66.4 45.6 84.8



#18

Methyl tert-butyl Ether

Concen: 20.999 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

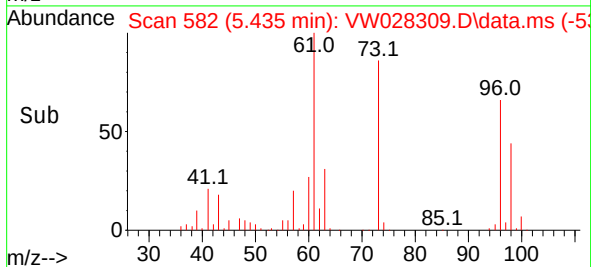
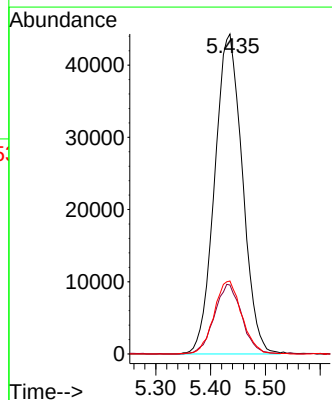
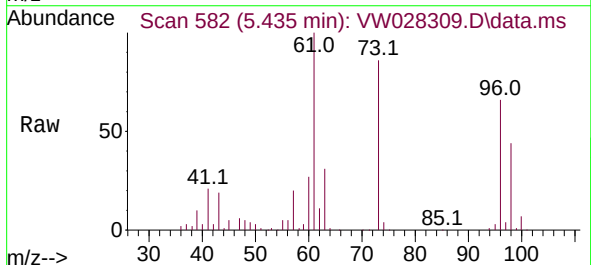
Tgt Ion: 73 Resp: 155653

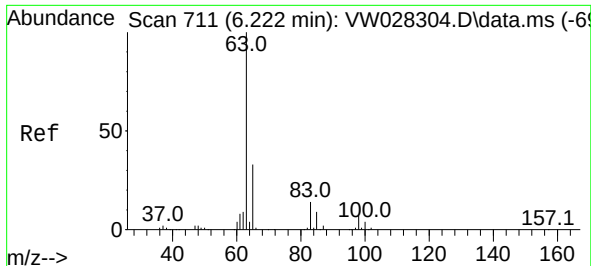
Ion Ratio Lower Upper

73 100

43 21.5 18.2 27.4

57 22.8 17.4 26.2





#19

1,1-Dichloroethane

Concen: 22.217 ug/L

RT: 6.228 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

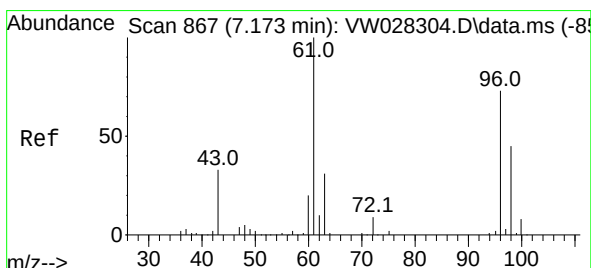
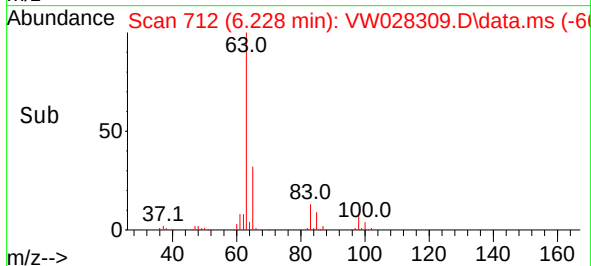
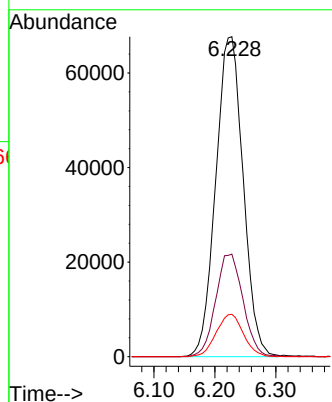
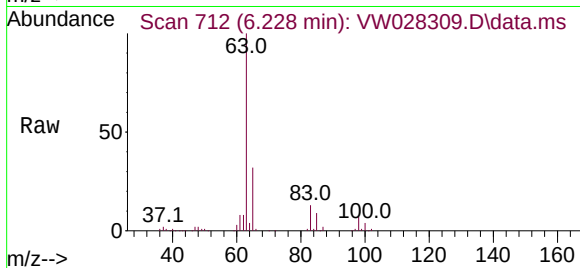
Tgt Ion: 63 Resp: 211317

Ion Ratio Lower Upper

63 100

65 32.0 22.1 41.1

83 13.3 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 22.191 ug/L

RT: 7.179 min Scan# 868

Delta R.T. 0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

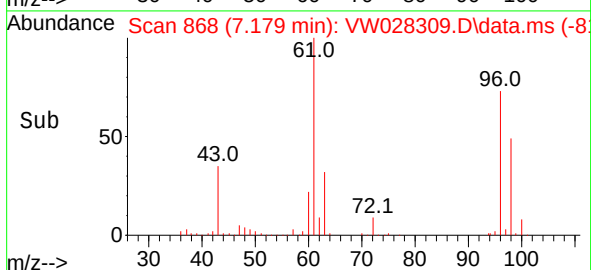
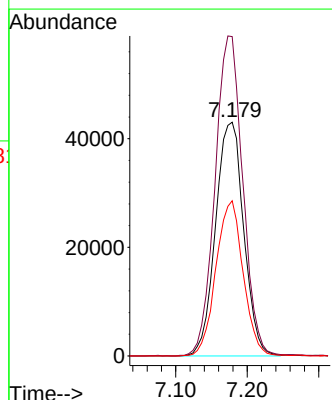
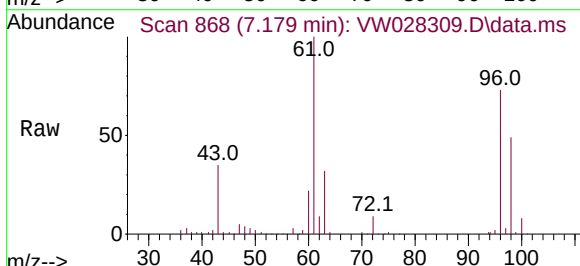
Tgt Ion: 96 Resp: 117748

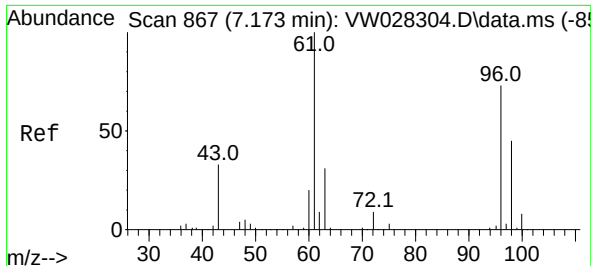
Ion Ratio Lower Upper

96 100

61 136.6 95.7 177.7

98 66.4 43.9 81.5





#22

2-Butanone

Concen: 38.846 ug/L

RT: 7.167 min Scan# 867

Delta R.T. -0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

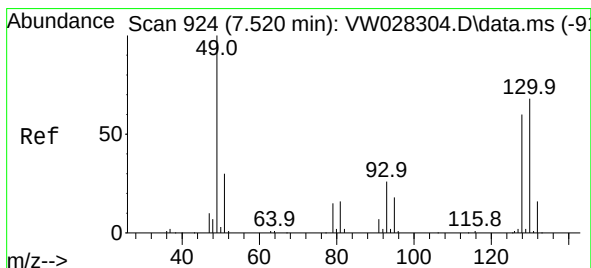
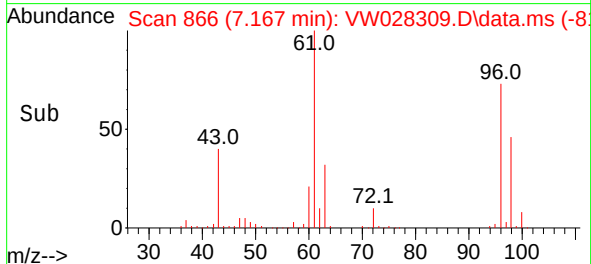
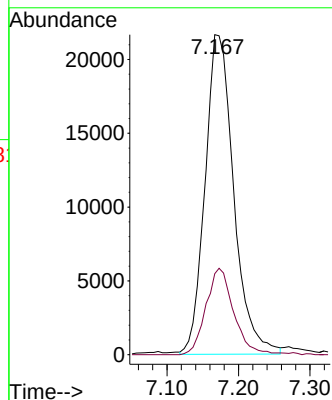
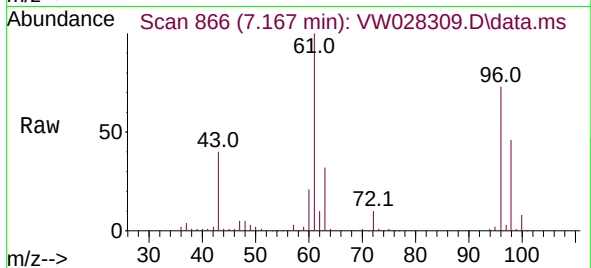
ClientSampleId :

Tgt Ion: 43 Resp: 60501

Ion Ratio Lower Upper

43 100

72 25.9 12.8 38.4



#23

Bromochloromethane

Concen: 20.642 ug/L

RT: 7.520 min Scan# 924

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Tgt Ion: 128 Resp: 48422

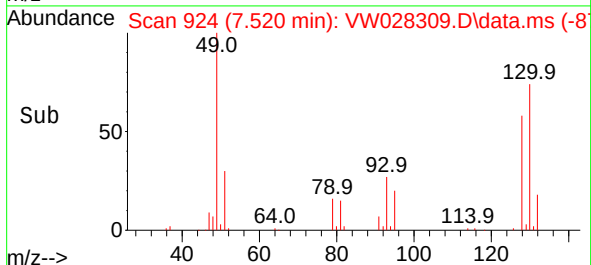
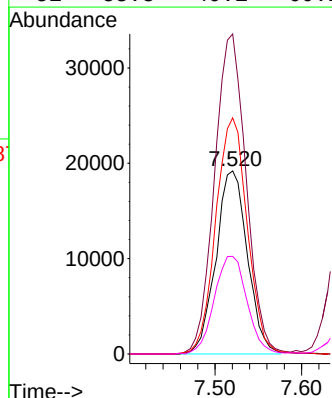
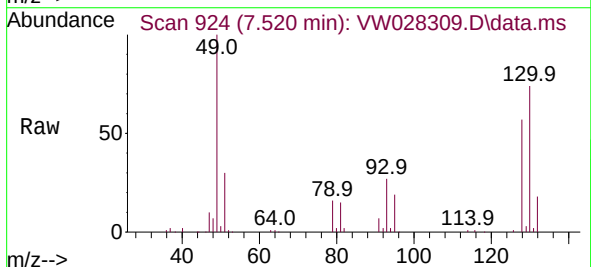
Ion Ratio Lower Upper

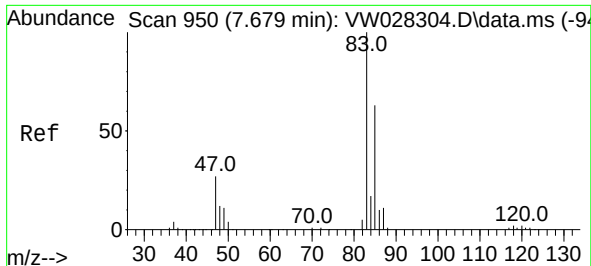
128 100

49 174.8 116.6 216.6

130 129.0 80.1 148.7

51 53.3 40.1 60.1





#25

Chloroform

Concen: 21.642 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

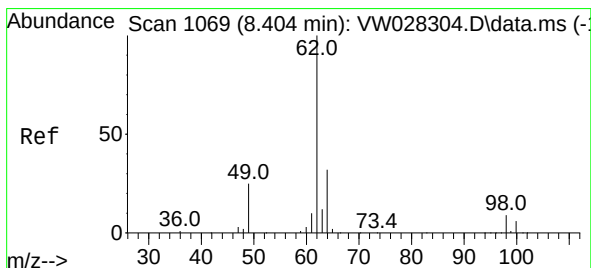
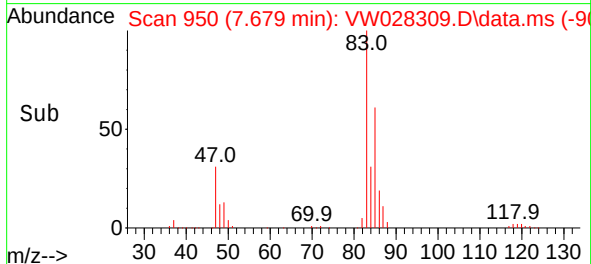
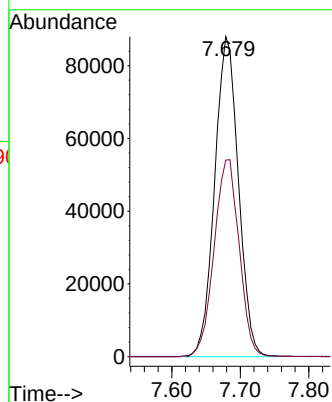
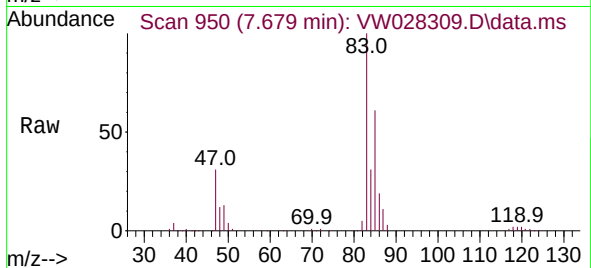
ClientSampleId :

Tgt Ion: 83 Resp: 211918

Ion Ratio Lower Upper

83 100

85 61.4 44.5 82.7



#27

1,2-Dichloroethane

Concen: 18.520 ug/L

RT: 8.404 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VW028309.D

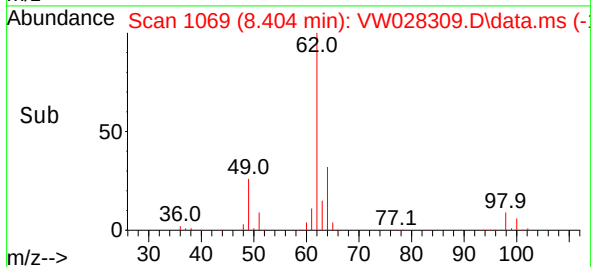
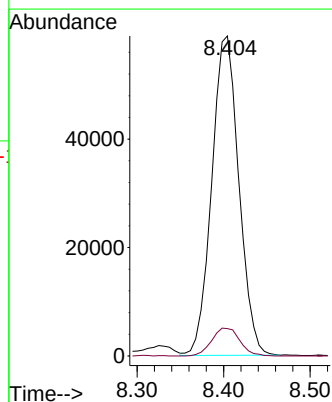
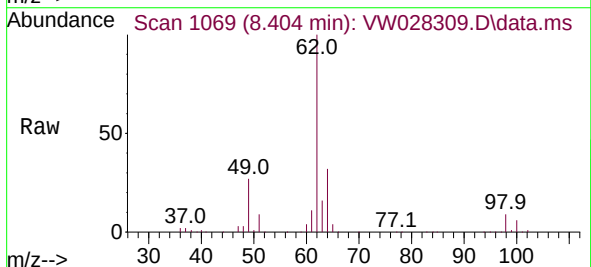
Acq: 04 Apr 2024 13:05

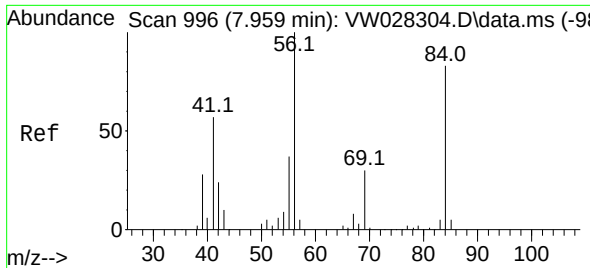
Tgt Ion: 62 Resp: 128065

Ion Ratio Lower Upper

62 100

98 8.6 5.9 8.9





#29

Cyclohexane

Concen: 22.084 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

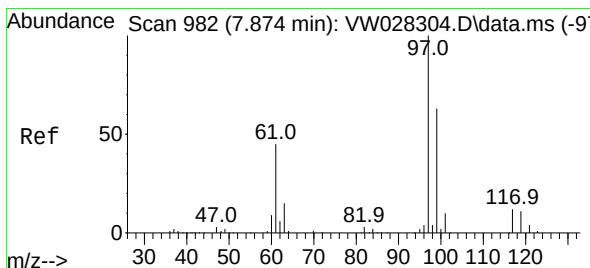
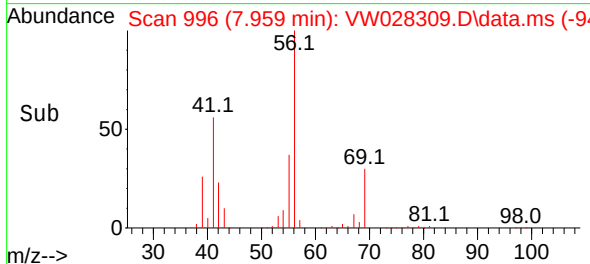
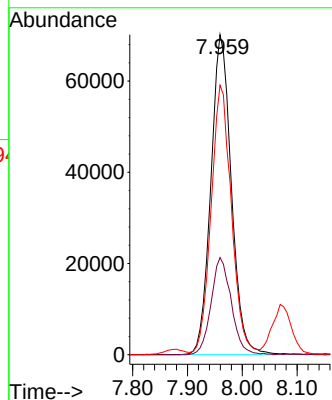
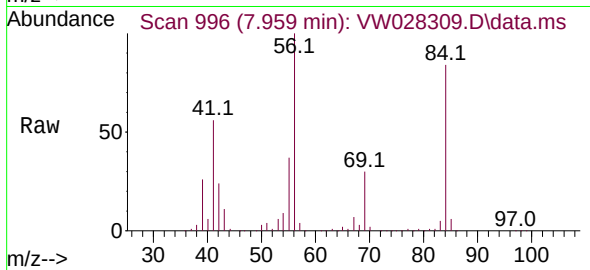
Tgt Ion: 56 Resp: 182045

Ion Ratio Lower Upper

56 100

69 29.9 24.0 36.0

84 84.0 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 22.175 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

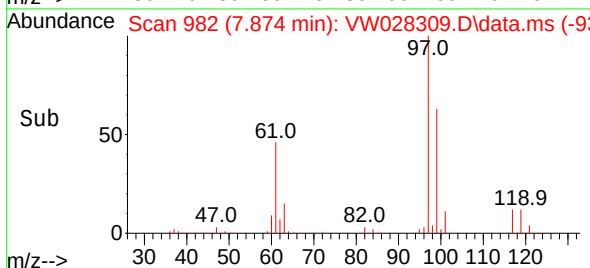
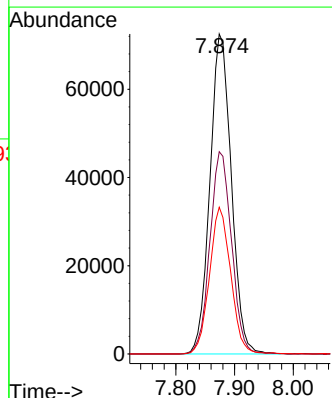
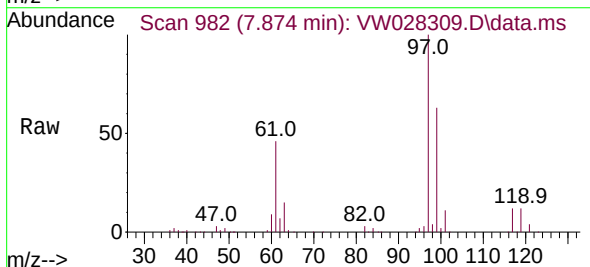
Tgt Ion: 97 Resp: 183709

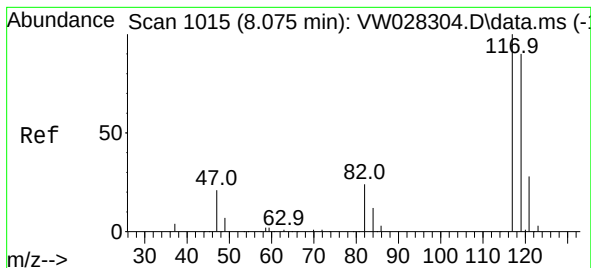
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 45.4 37.0 55.6





#31

Carbon tetrachloride

Concen: 21.227 ug/L

RT: 8.069 min Scan# 1015

Delta R.T. -0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

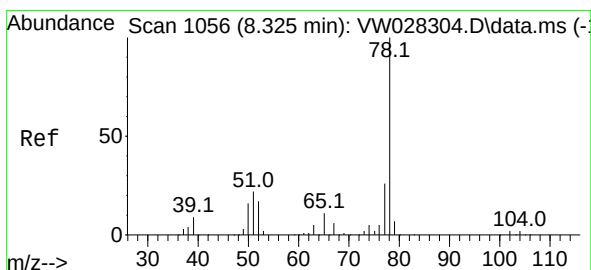
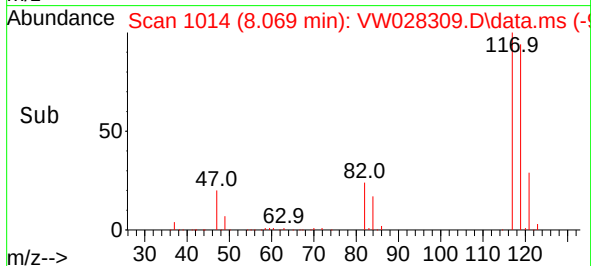
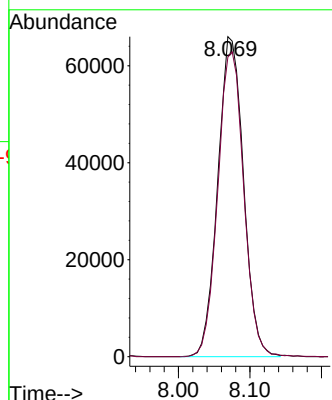
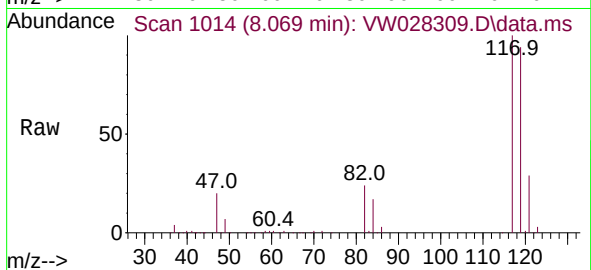
ClientSampleId :

Tgt Ion:117 Resp: 164956

Ion Ratio Lower Upper

117 100

119 96.2 78.2 117.4



#33

Benzene

Concen: 22.990 ug/L

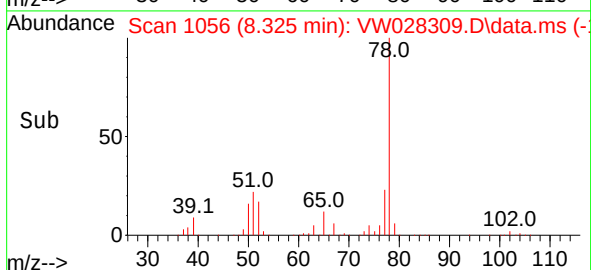
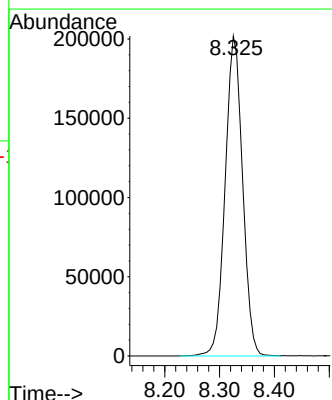
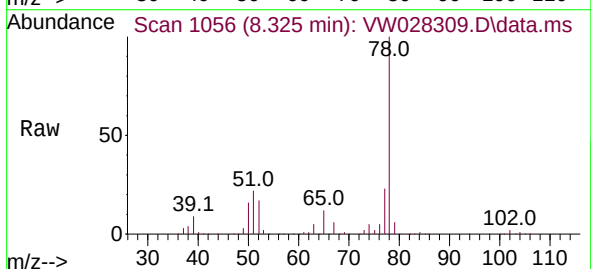
RT: 8.325 min Scan# 1056

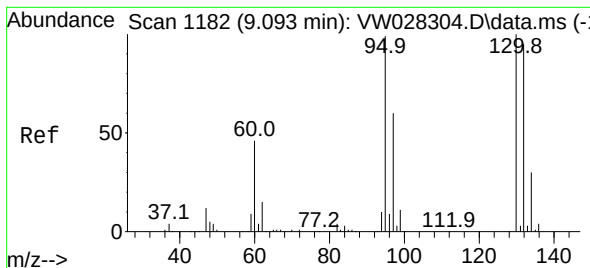
Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Tgt Ion: 78 Resp: 447110





#34

Trichloroethene

Concen: 22.040 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 119587

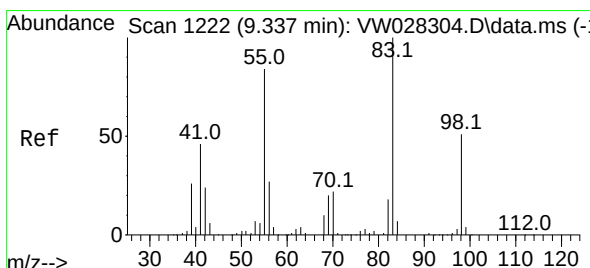
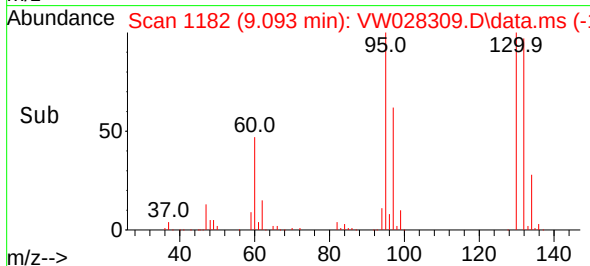
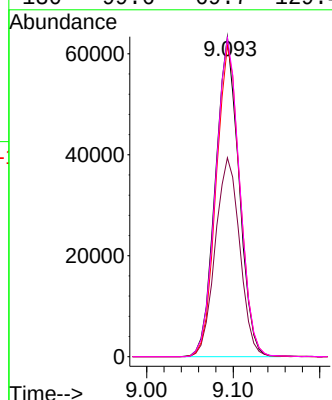
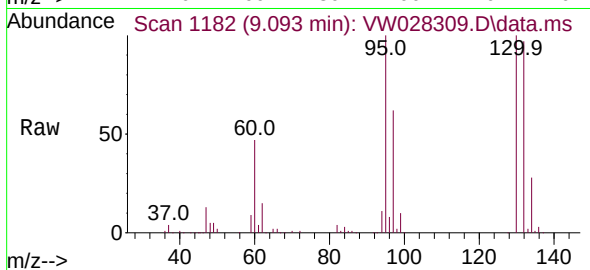
Ion Ratio Lower Upper

95 100

97 62.1 42.4 78.6

132 97.2 69.4 128.8

130 99.6 69.7 129.4



#35

Methylcyclohexane

Concen: 20.354 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

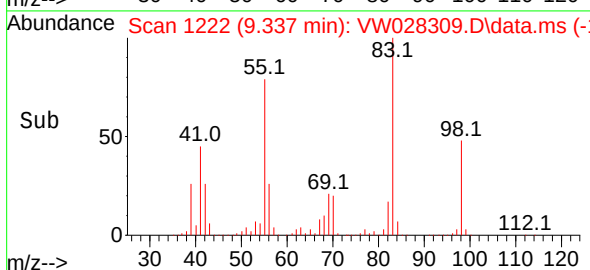
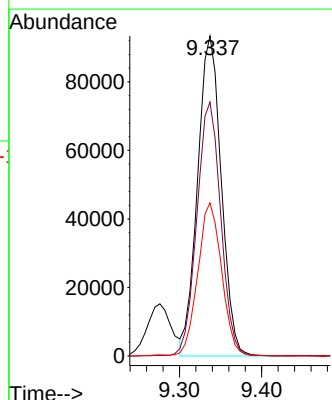
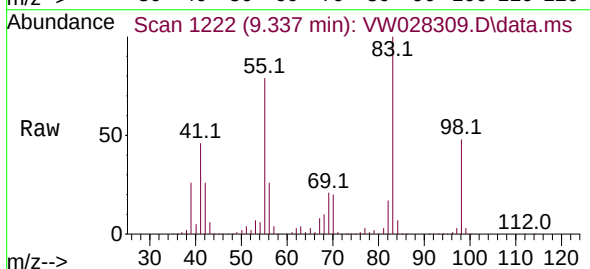
Tgt Ion: 83 Resp: 186670

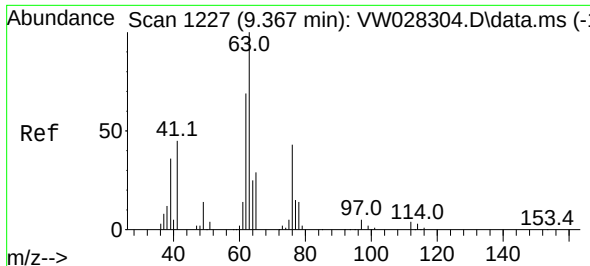
Ion Ratio Lower Upper

83 100

55 80.0 64.2 96.4

98 48.2 38.3 57.5





#37

1,2-Dichloropropane

Concen: 23.304 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

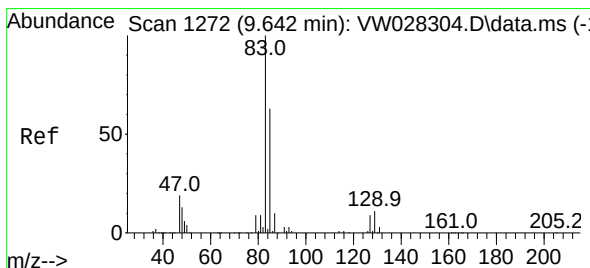
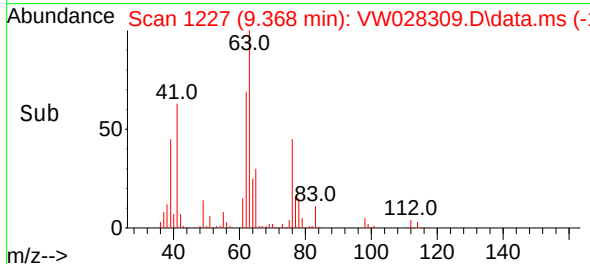
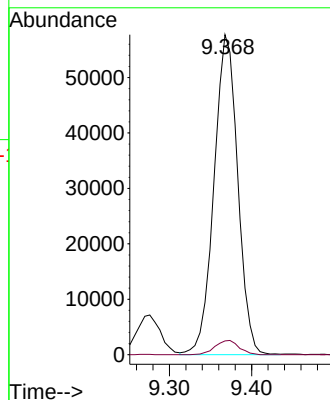
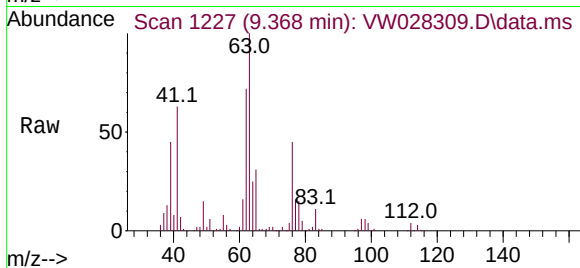
ClientSampleId :

Tgt Ion: 63 Resp: 115923

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8



#38

Bromodichloromethane

Concen: 22.030 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

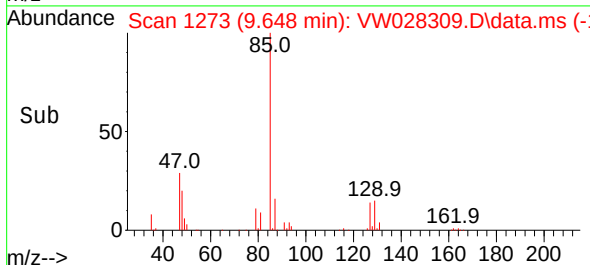
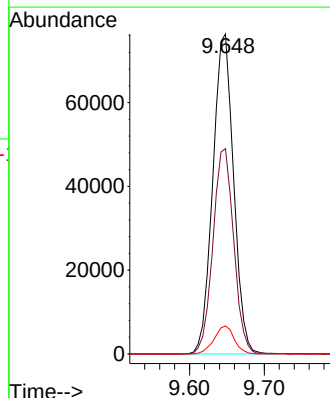
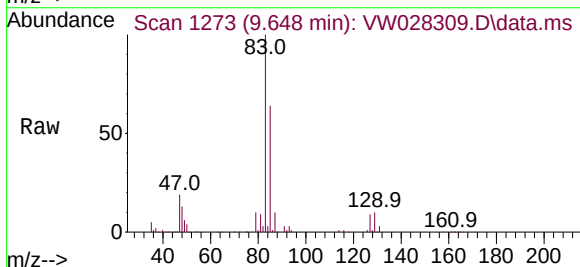
Tgt Ion: 83 Resp: 147745

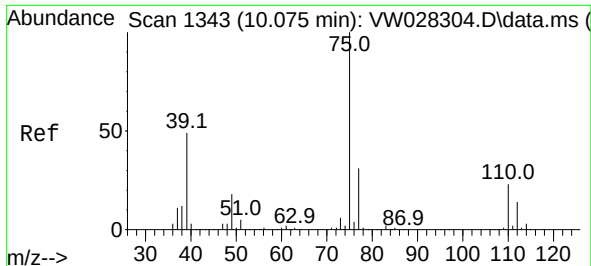
Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.2

127 8.8 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 22.322 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

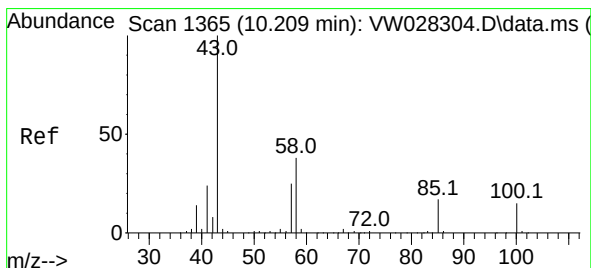
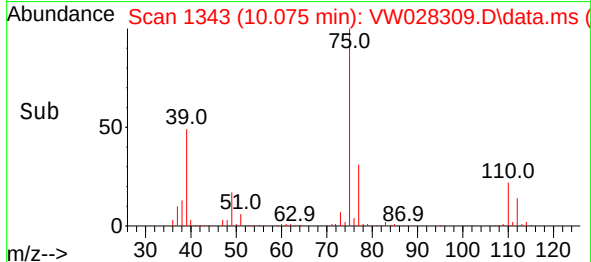
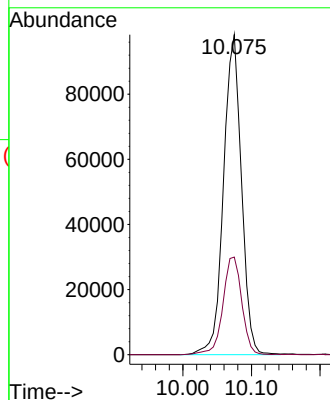
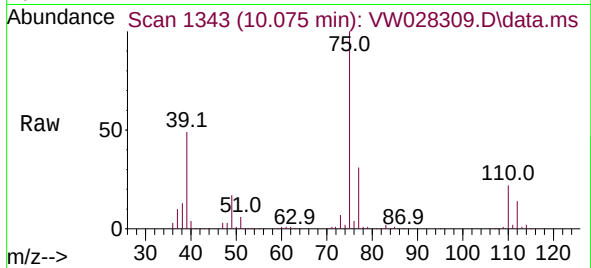
ClientSampleId :

Tgt Ion: 75 Resp: 177821

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 41.744 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

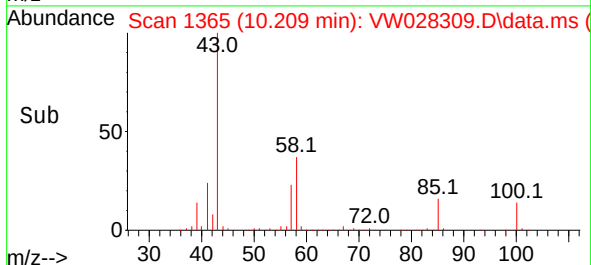
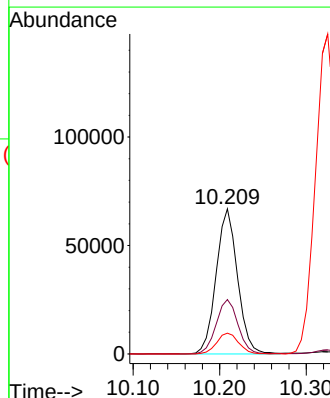
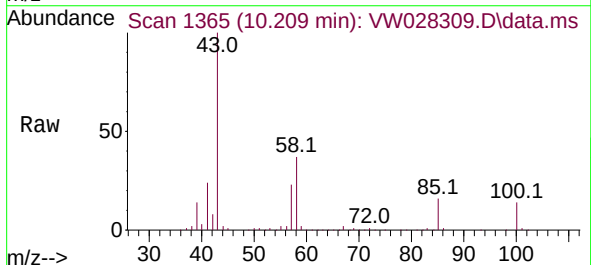
Tgt Ion: 43 Resp: 114618

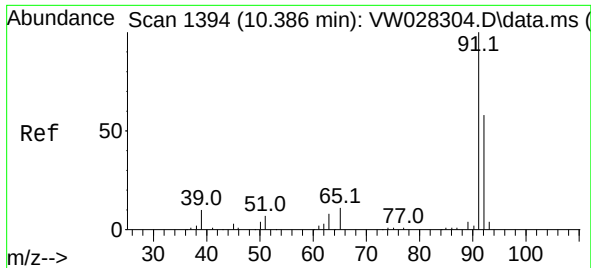
Ion Ratio Lower Upper

43 100

58 38.3 30.1 45.1

100 14.8 11.8 17.8

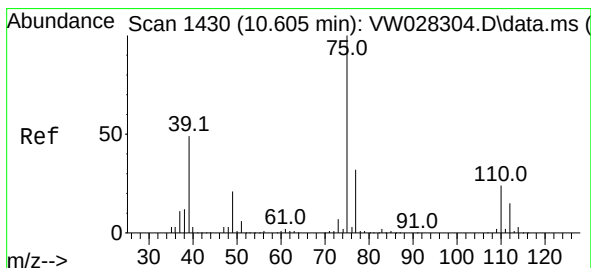
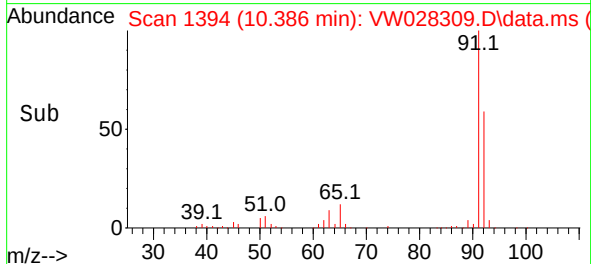
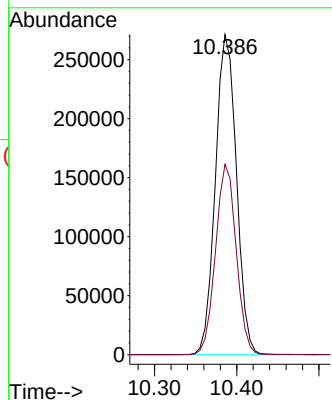
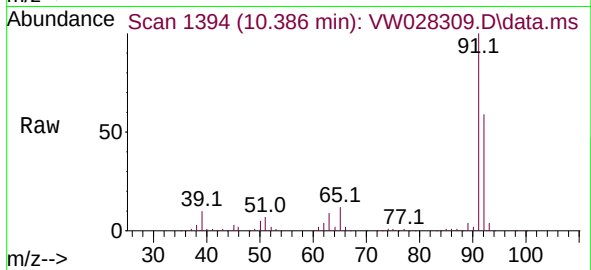




#42
Toluene
Concen: 22.759 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

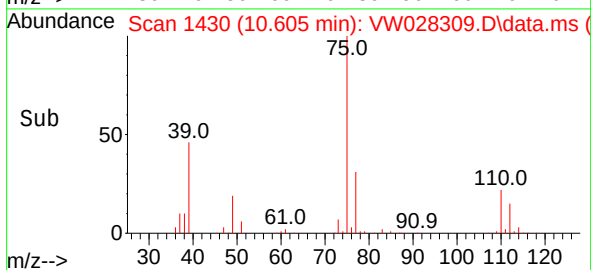
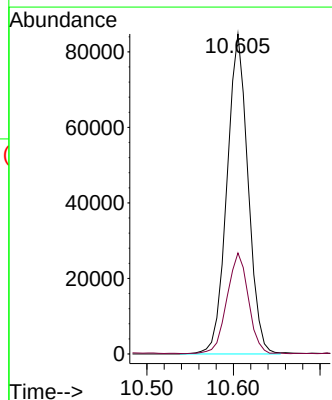
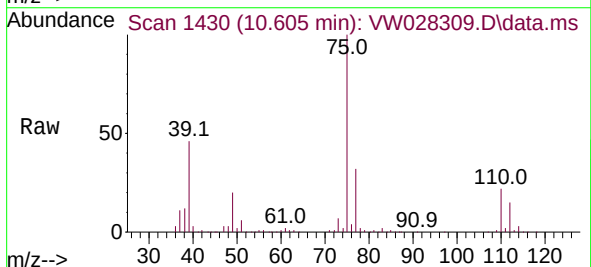
Instrument :
MSVOA_W
ClientSampleId :

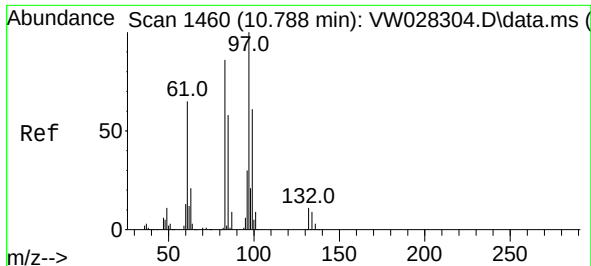
Tgt Ion: 91 Resp: 483057
Ion Ratio Lower Upper
91 100
92 59.5 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 21.283 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Tgt Ion: 75 Resp: 143148
Ion Ratio Lower Upper
75 100
77 31.6 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 21.282 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

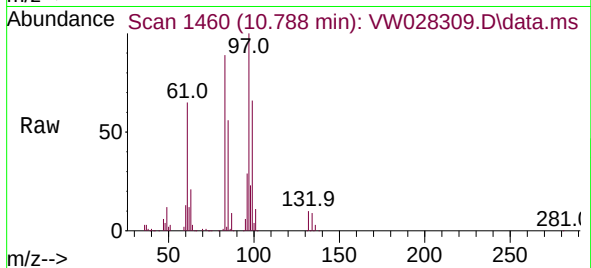
Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 76487

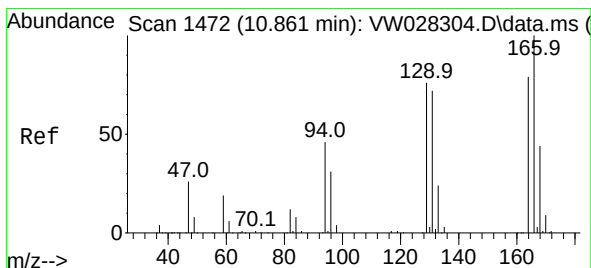
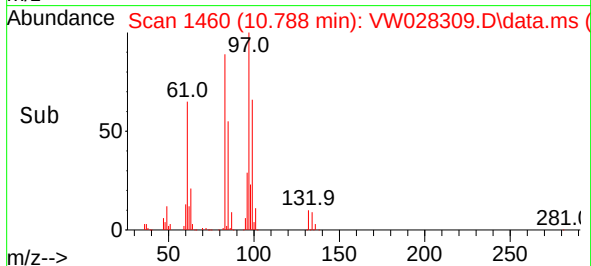
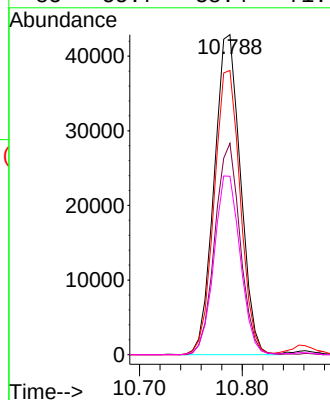
Ion Ratio Lower Upper

97 100

99 66.0 43.4 80.6

83 88.8 59.4 110.4

85 55.7 38.4 71.4



#46

Tetrachloroethene

Concen: 21.129 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Tgt Ion:164 Resp: 92411

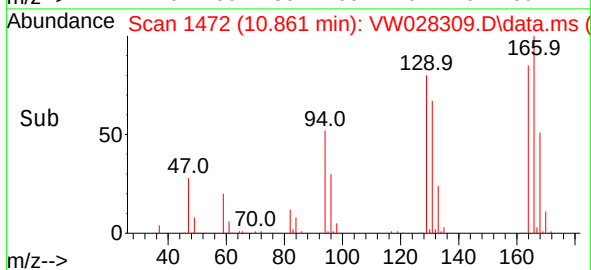
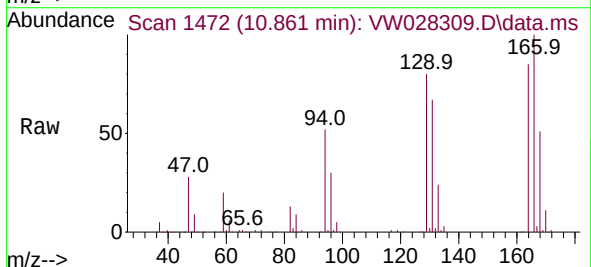
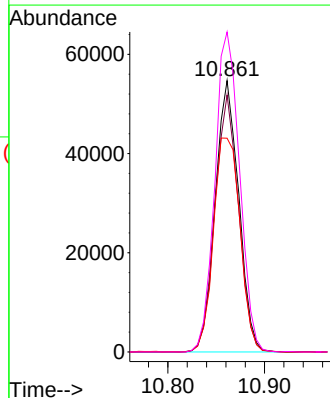
Ion Ratio Lower Upper

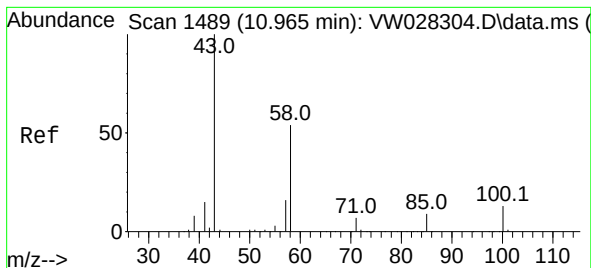
164 100

129 94.7 64.0 119.0

131 78.8 62.6 116.3

166 117.9 84.7 157.3

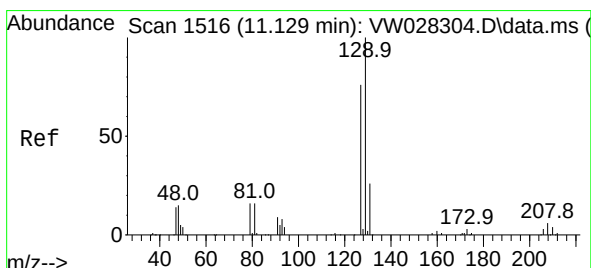
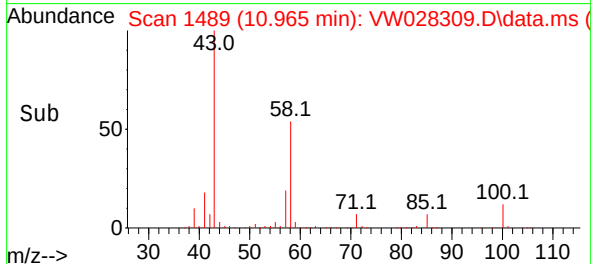
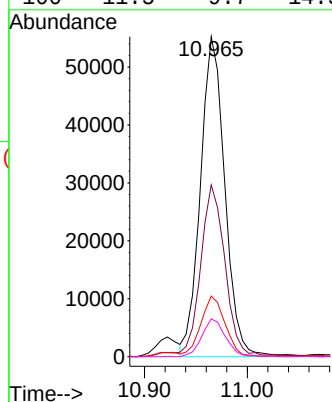
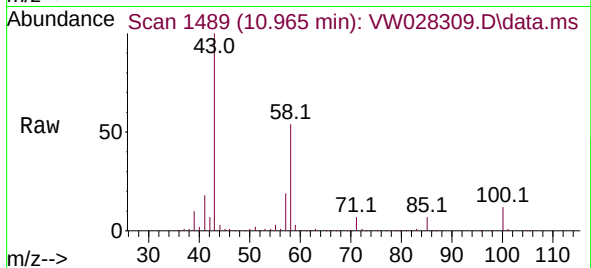




#48
2-Hexanone
Concen: 42.496 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

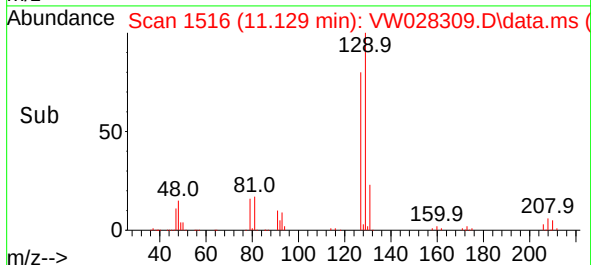
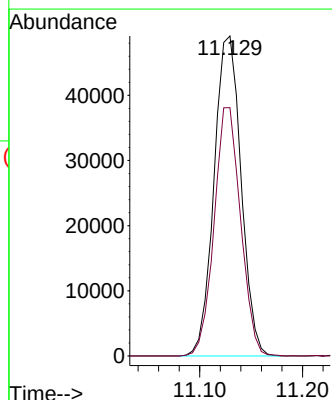
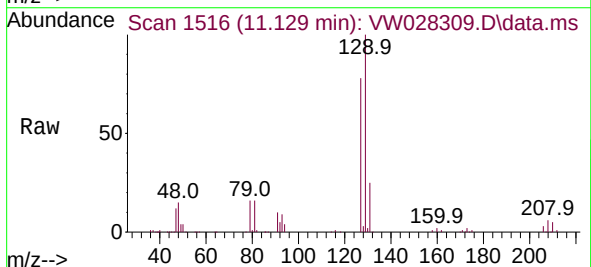
Instrument :
MSVOA_W
ClientSampleId :

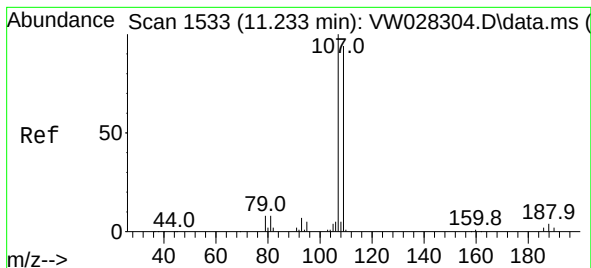
Tgt Ion: 43 Resp: 91403
Ion Ratio Lower Upper
43 100
58 53.3 40.6 61.0
57 18.9 15.7 23.5
100 11.5 9.7 14.5



#49
Dibromochloromethane
Concen: 21.088 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Tgt Ion: 129 Resp: 89761
Ion Ratio Lower Upper
129 100
127 77.6 53.1 98.7





#50

1,2-Dibromoethane

Concen: 20.295 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW028309.D

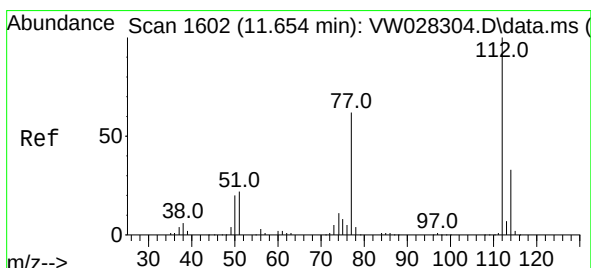
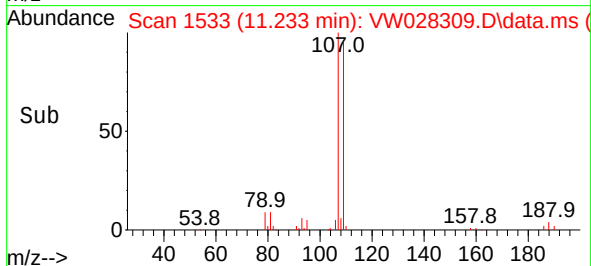
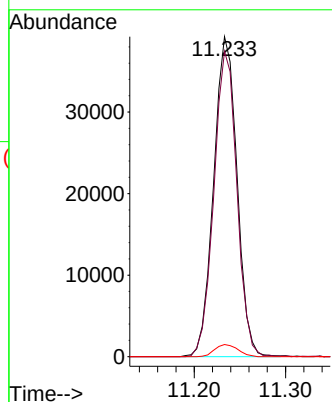
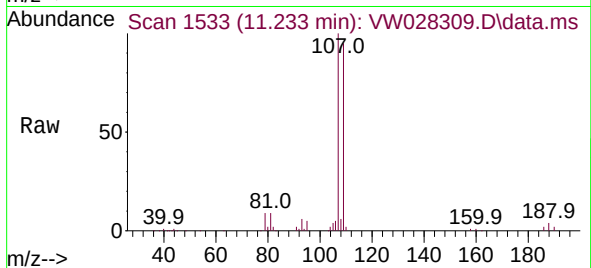
Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	69744
Ion	Ratio	Lower	Upper
107	100		
109	95.5	64.4	119.6
188	3.8	3.4	5.2



#51

Chlorobenzene

Concen: 22.243 ug/L

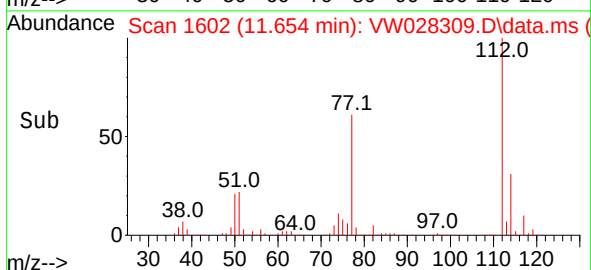
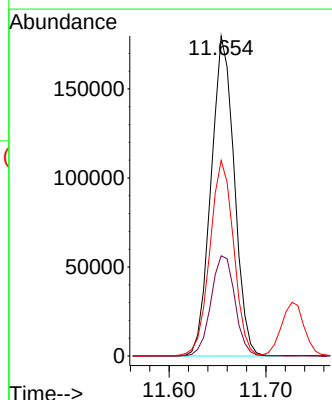
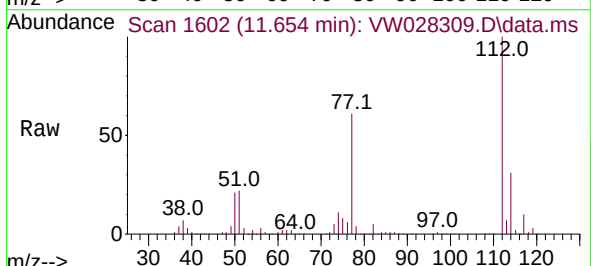
RT: 11.654 min Scan# 1602

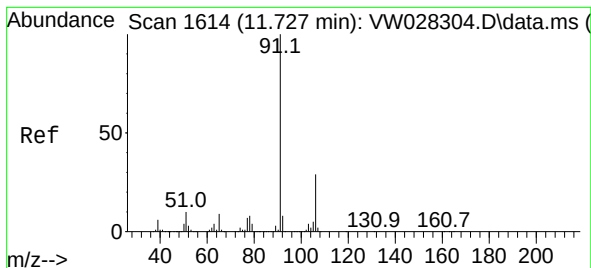
Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Tgt Ion:	112	Resp:	299658
Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.8	40.6
77	61.1	50.6	76.0





#52

Ethylbenzene

Concen: 22.433 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

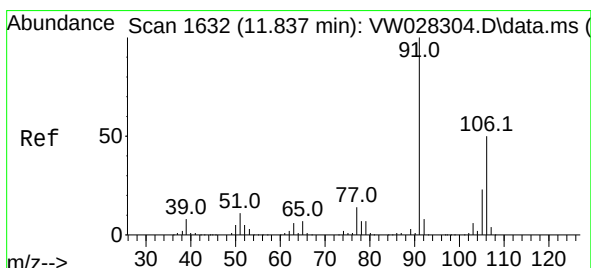
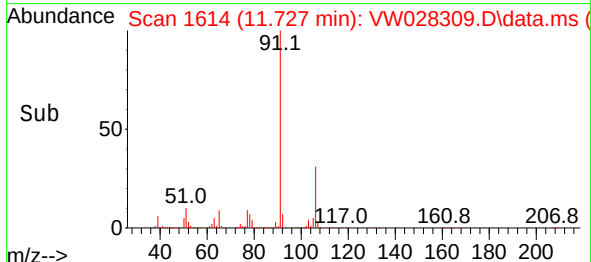
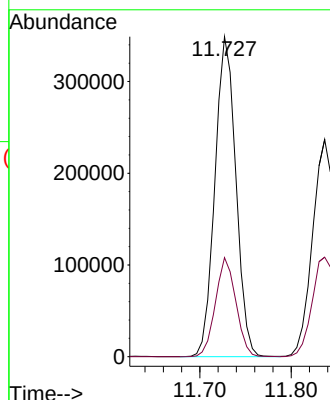
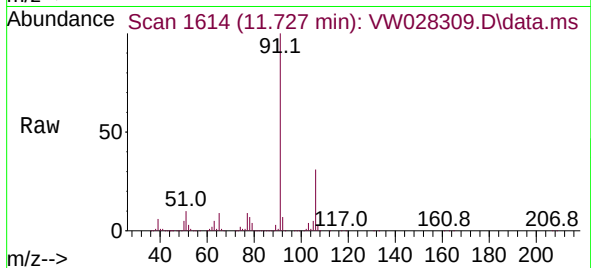
ClientSampleId :

Tgt Ion: 91 Resp: 555827

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



#53

m,p-Xylene

Concen: 22.082 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028309.D

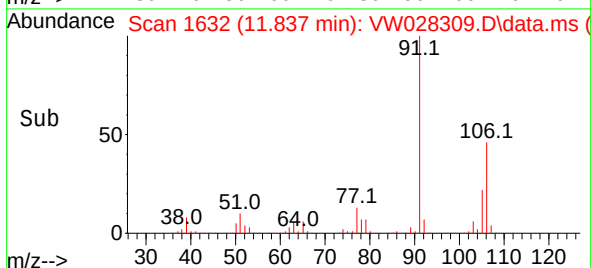
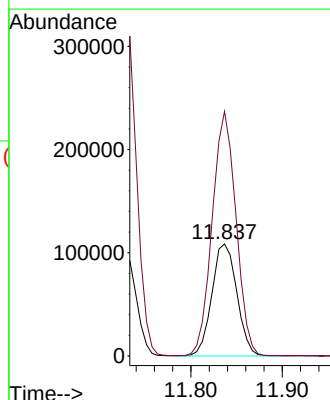
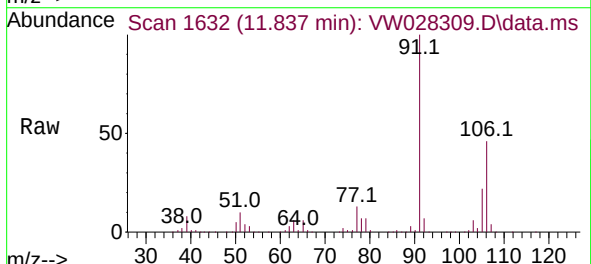
Acq: 04 Apr 2024 13:05

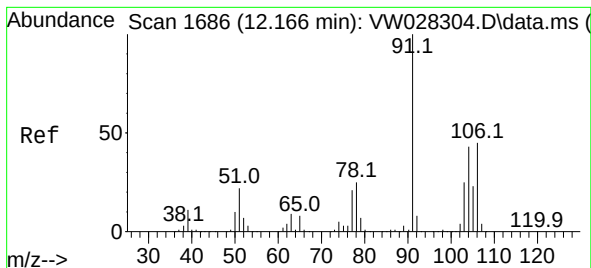
Tgt Ion:106 Resp: 205897

Ion Ratio Lower Upper

106 100

91 218.3 147.1 273.1





#54

o-Xylene

Concen: 23.056 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

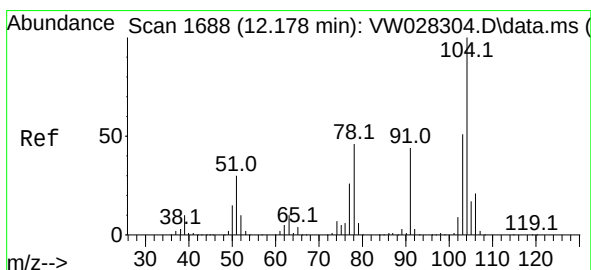
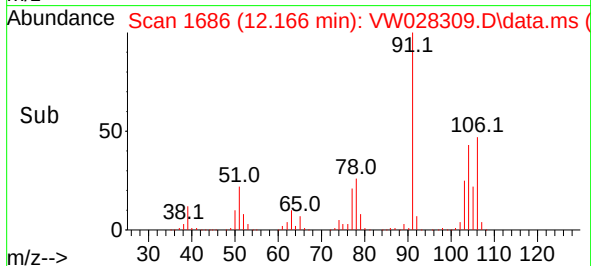
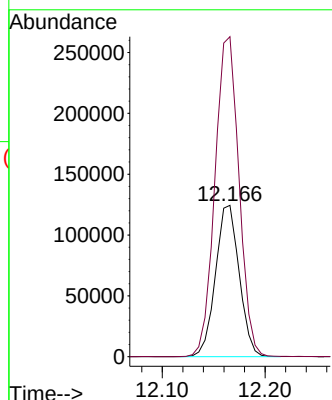
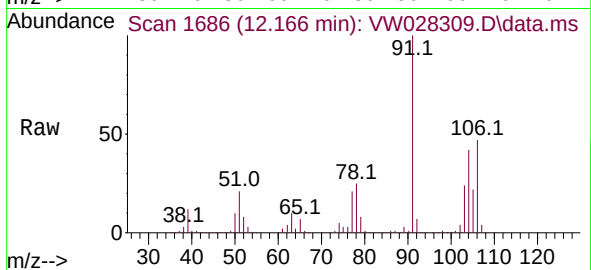
ClientSampleId :

Tgt Ion:106 Resp: 199351

Ion Ratio Lower Upper

106 100

91 211.4 149.2 277.2



#55

Styrene

Concen: 22.405 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW028309.D

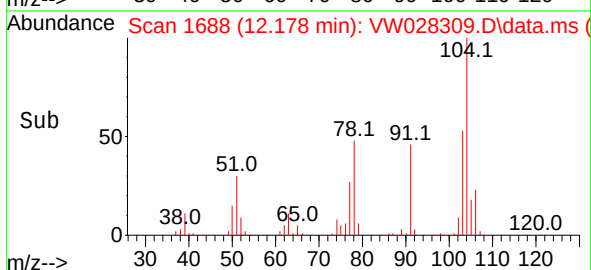
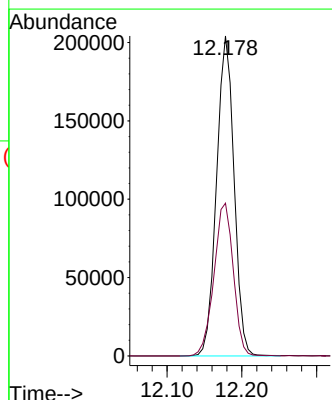
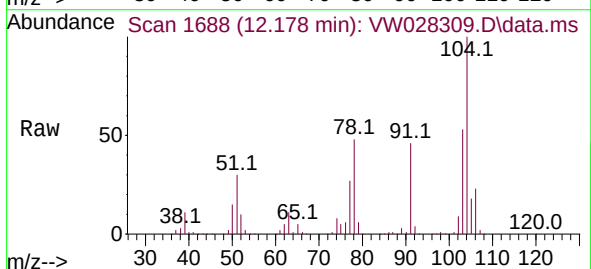
Acq: 04 Apr 2024 13:05

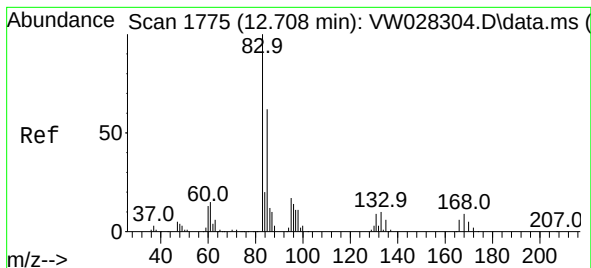
Tgt Ion:104 Resp: 332754

Ion Ratio Lower Upper

104 100

78 47.8 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 20.864 ug/L

RT: 12.708 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

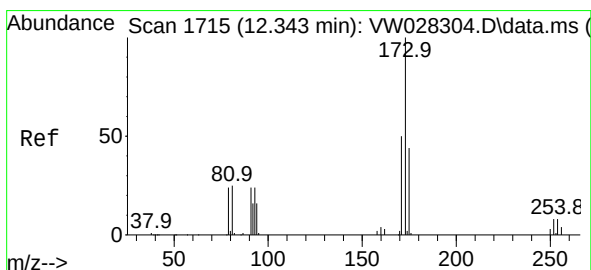
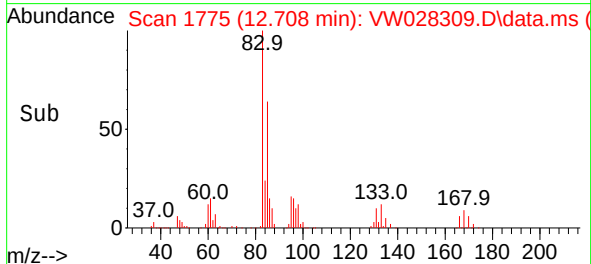
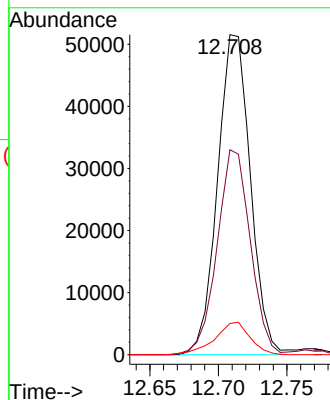
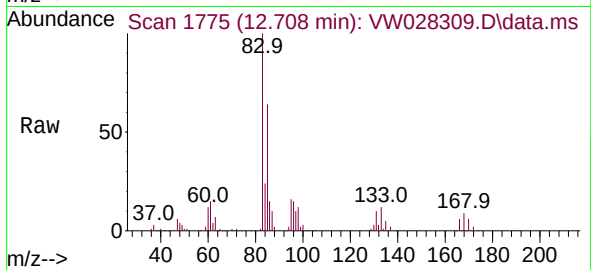
Tgt Ion: 83 Resp: 85769

Ion Ratio Lower Upper

83 100

85 64.0 47.0 87.2

131 9.8 8.9 13.3



#59

Bromoform

Concen: 22.124 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

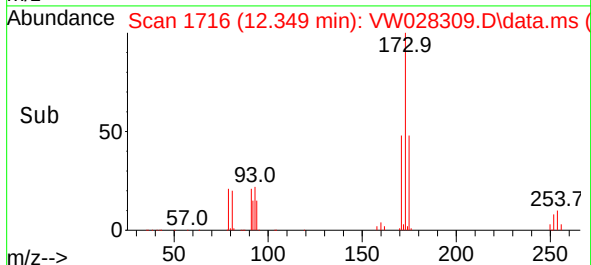
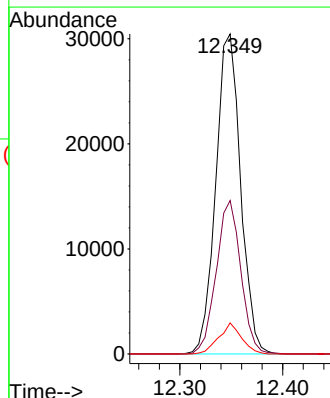
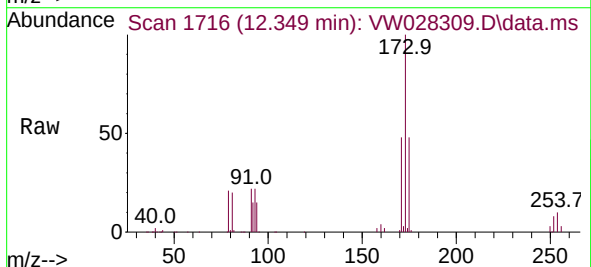
Tgt Ion:173 Resp: 51062

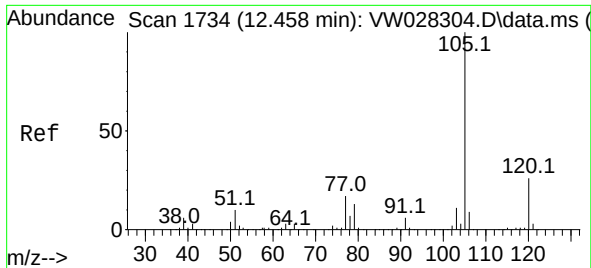
Ion Ratio Lower Upper

173 100

175 47.5 39.8 59.6

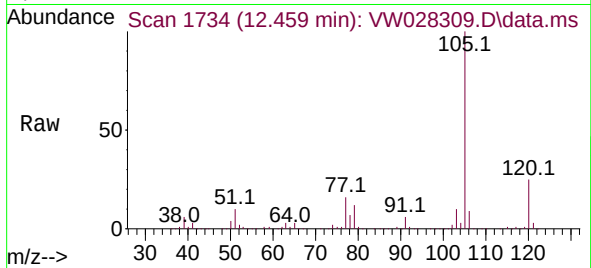
254 8.9 8.5 12.7



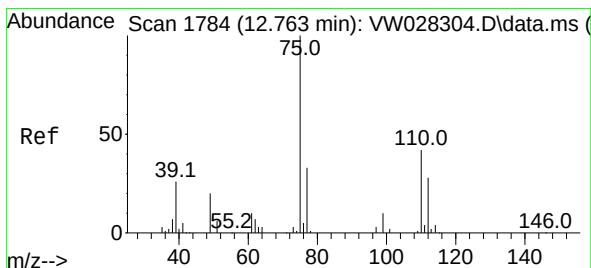
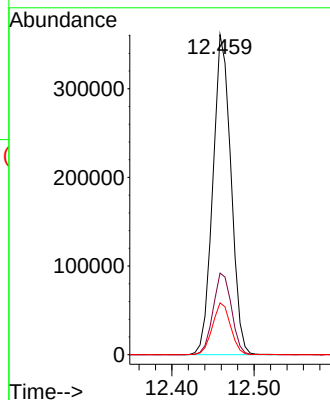
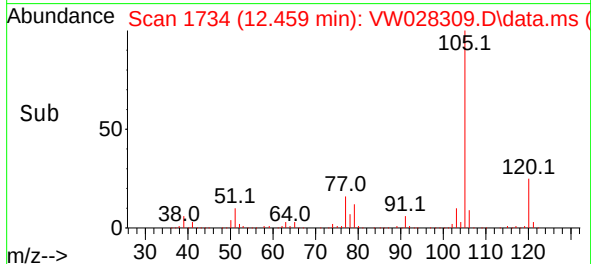


#60
Isopropylbenzene
Concen: 24.127 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

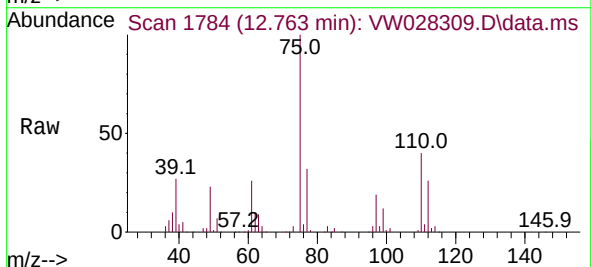
Instrument :
MSVOA_W
ClientSampleId :



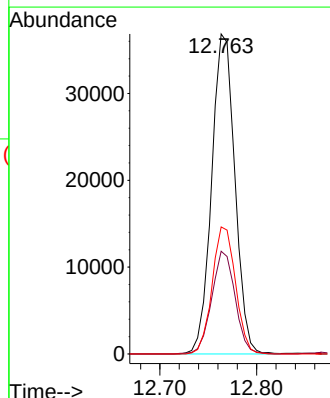
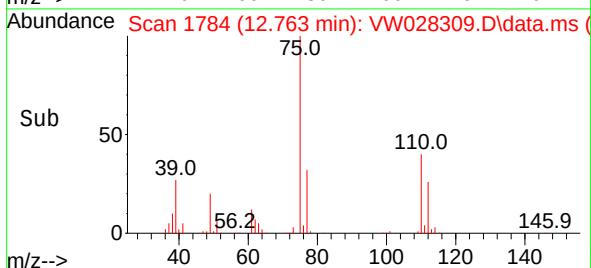
Tgt Ion:105 Resp: 552125
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.2 13.7 20.5

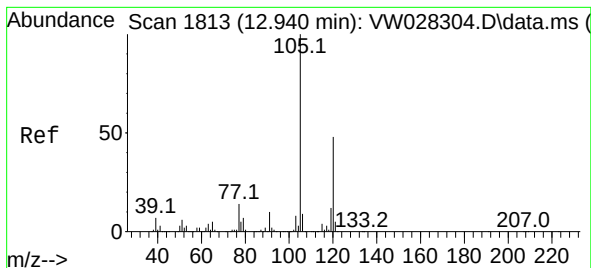


#61
1,2,3-Trichloropropane
Concen: 20.925 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05



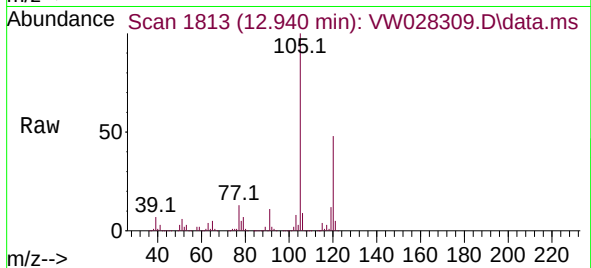
Tgt Ion: 75 Resp: 61509
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 39.9 32.2 48.2



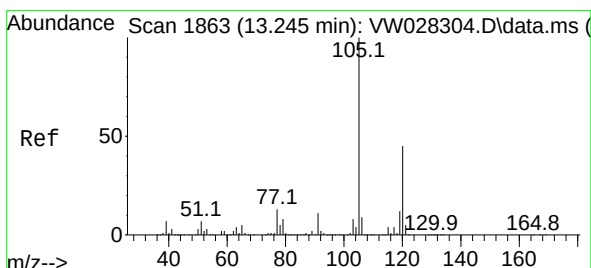
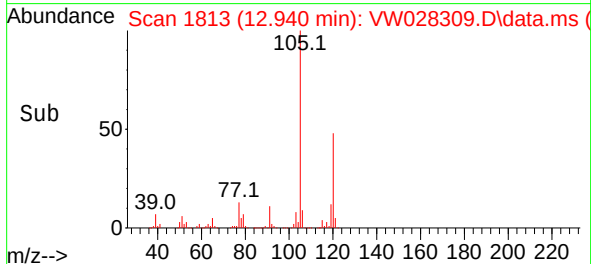
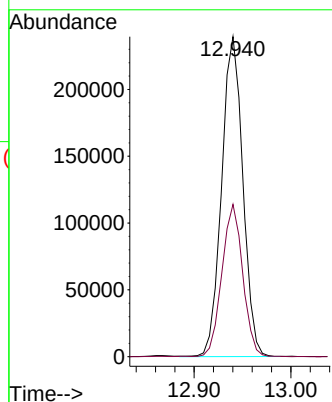


#62
1,3,5-Trimethylbenzene
Concen: 23.683 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Instrument :
MSVOA_W
ClientSampleId :

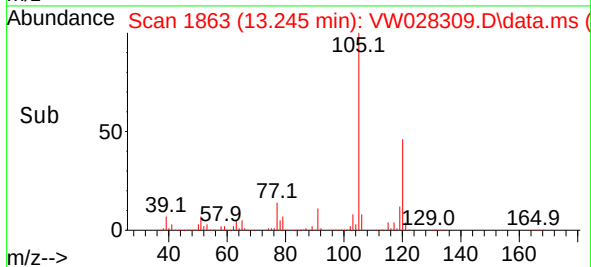
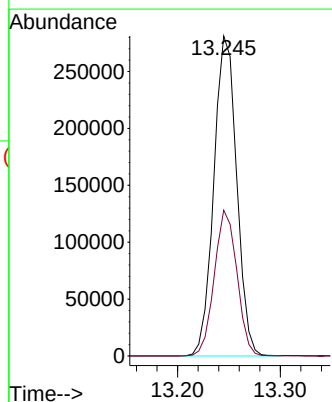
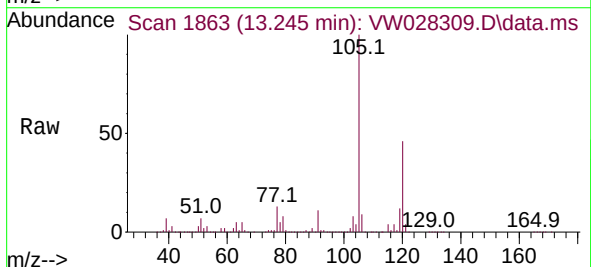


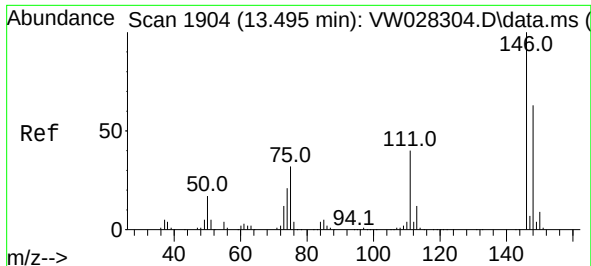
Tgt Ion:105 Resp: 363643
Ion Ratio Lower Upper
105 100
120 46.7 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 23.423 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Tgt Ion:105 Resp: 434279
Ion Ratio Lower Upper
105 100
120 45.1 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 22.208 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

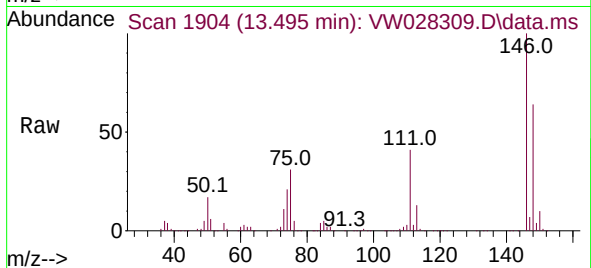
Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :



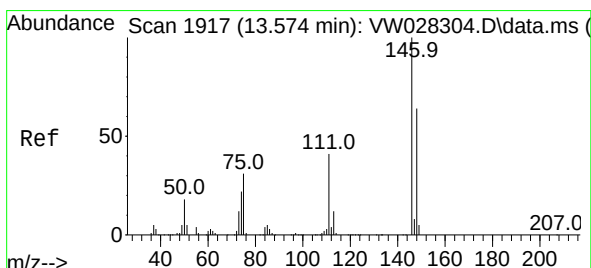
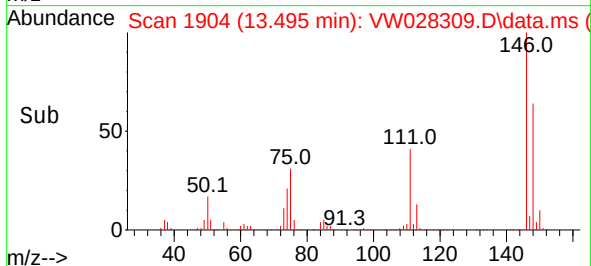
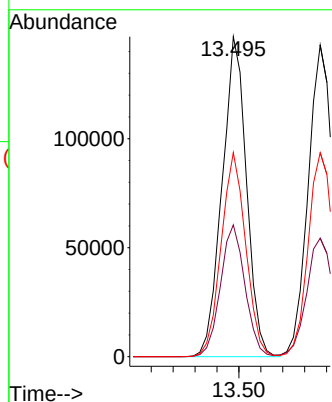
Tgt Ion:146 Resp: 226730

Ion Ratio Lower Upper

146 100

111 41.2 28.5 52.9

148 63.8 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 22.321 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

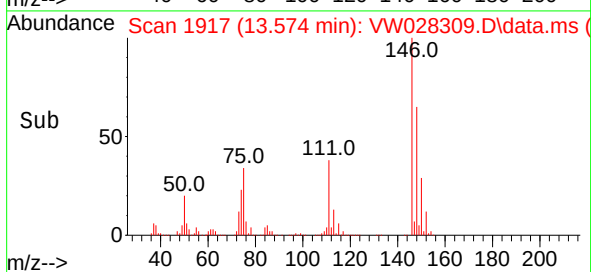
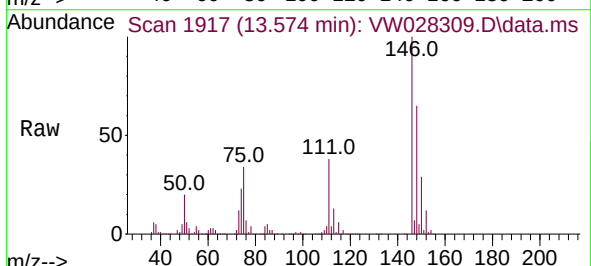
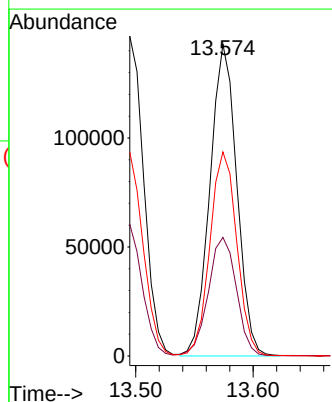
Tgt Ion:146 Resp: 227870

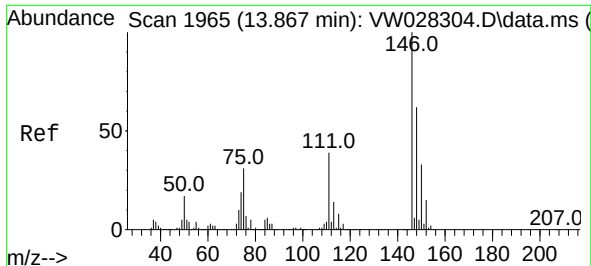
Ion Ratio Lower Upper

146 100

111 38.0 28.8 53.6

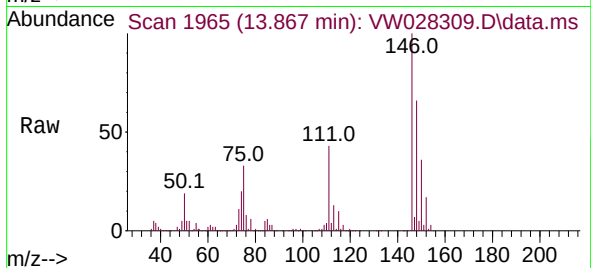
148 65.5 45.3 84.1



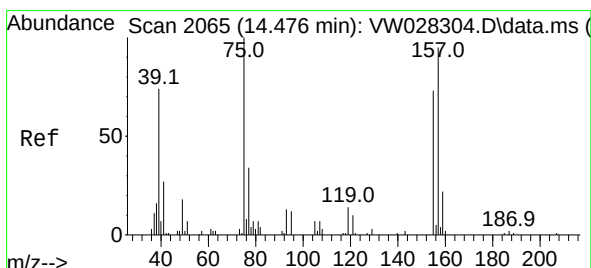
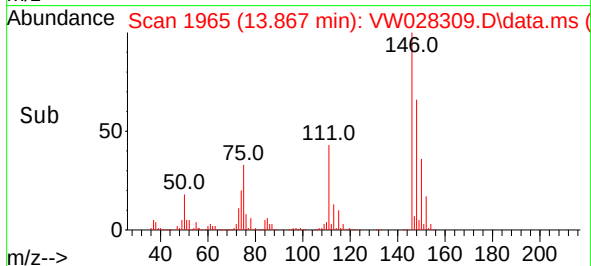
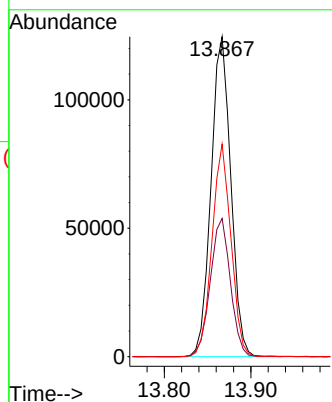


#67
1,2-Dichlorobenzene
Concen: 22.474 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Instrument :
MSVOA_W
ClientSampleId :

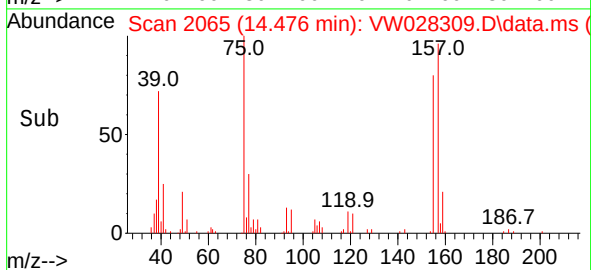
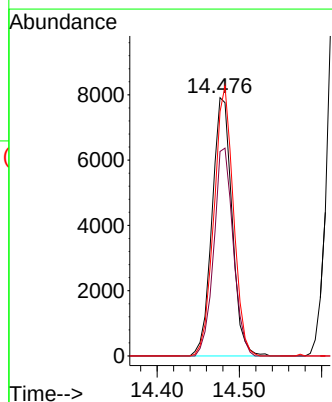
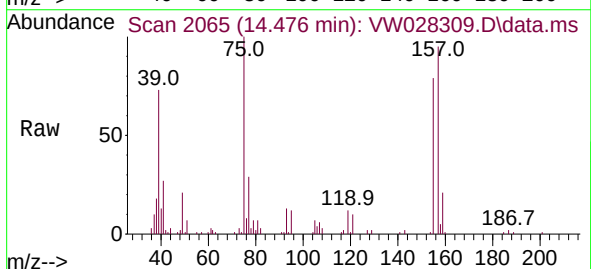


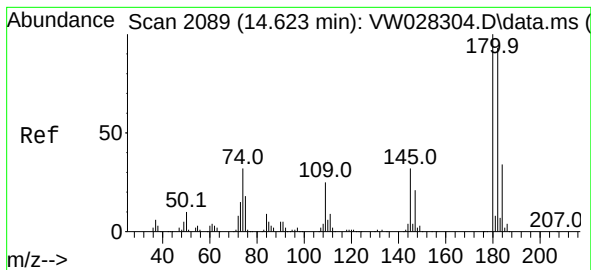
Tgt Ion:146 Resp: 197586
Ion Ratio Lower Upper
146 100
111 43.2 34.2 51.2
148 66.5 48.1 72.1



#68
1,2-Dibromo-3-chloropropane
Concen: 19.365 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW028309.D
Acq: 04 Apr 2024 13:05

Tgt Ion: 75 Resp: 13372
Ion Ratio Lower Upper
75 100
155 79.2 61.1 91.7
157 94.6 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 19.431 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

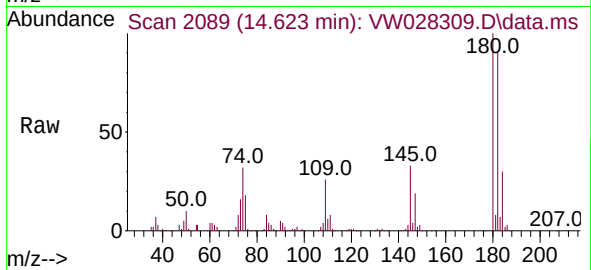
Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 138181

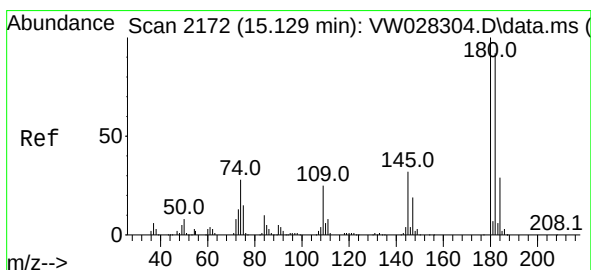
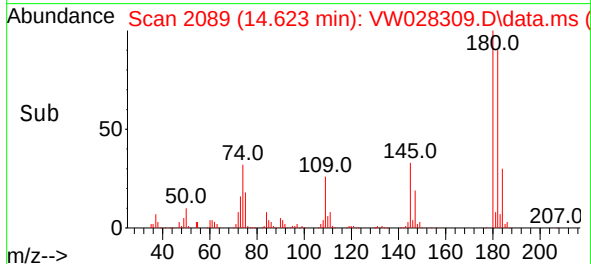
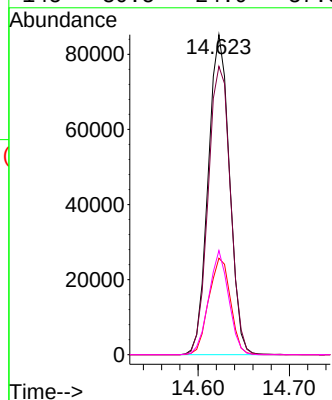
Ion Ratio Lower Upper

180 100

182 93.9 76.6 114.8

184 30.6 23.5 35.3

145 30.5 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 17.760 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

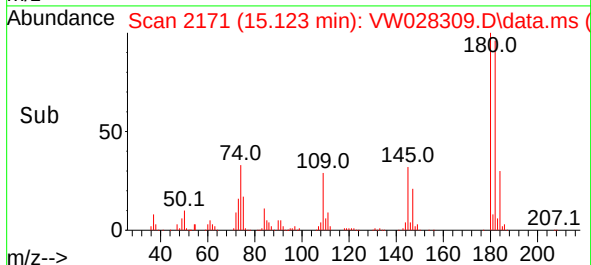
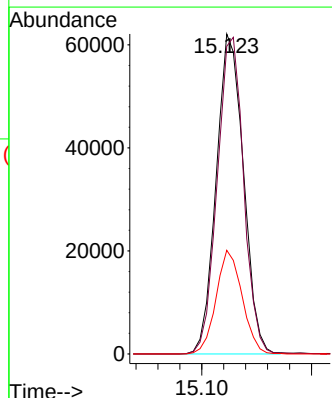
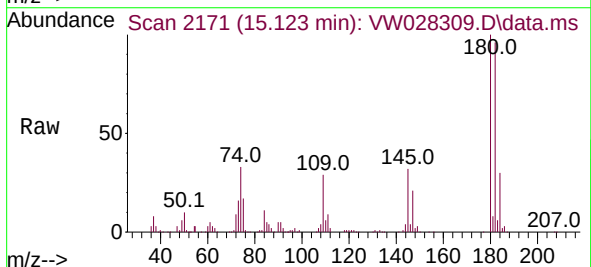
Tgt Ion:180 Resp: 107297

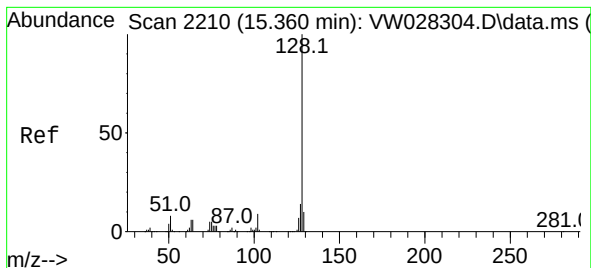
Ion Ratio Lower Upper

180 100

182 95.7 73.8 110.8

145 31.0 25.0 37.6





#71

Naphthalene

Concen: 19.296 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

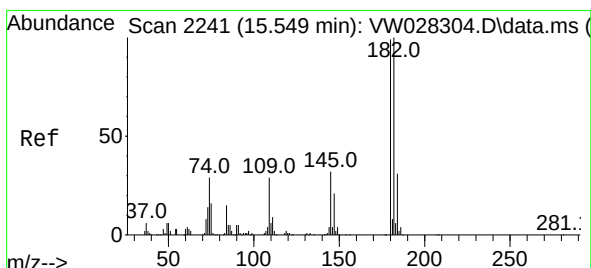
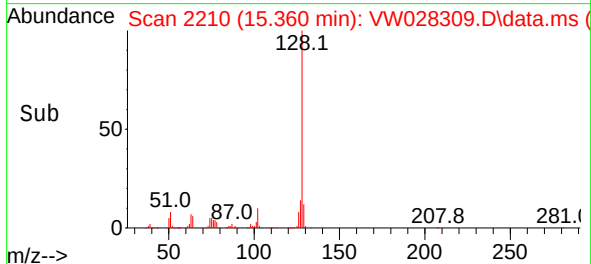
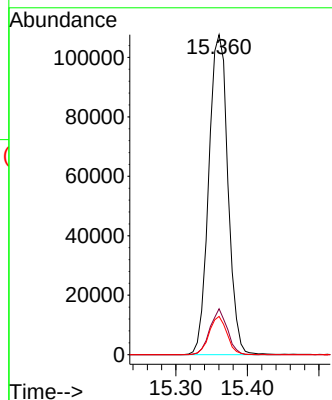
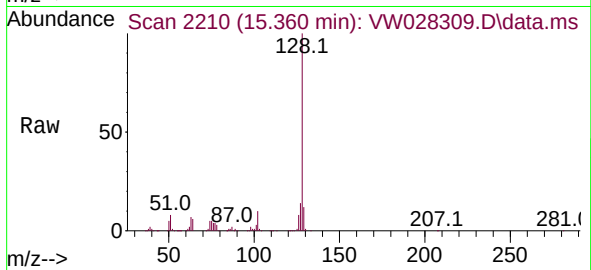
Tgt Ion:128 Resp: 200086

Ion Ratio Lower Upper

128 100

127 13.1 10.9 16.3

129 11.2 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 17.982 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW028309.D

Acq: 04 Apr 2024 13:05

Tgt Ion:180 Resp: 89558

Ion Ratio Lower Upper

180 100

182 96.9 76.0 114.0

145 32.8 27.1 40.7

