

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050224\
 Data File : VW028566.D
 Acq On : 02 May 2024 11:48
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 03 02:42:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 03 02:39:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	255922	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	233779	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	110636	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	502551	103.410	ug/L	0.00
7) Chloroethane-d5	2.899	69	382618	102.823	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.027	65	212783	104.798	ug/L	0.00
21) 2-Butanone-d5	7.075	46	268220	226.443	ug/L	0.00
24) Chloroform-d	7.648	84	800238	100.071	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	454929	99.369	ug/L	0.00
32) Benzene-d6	8.276	84	1584099	101.561	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	473695	100.926	ug/L	0.00
41) Toluene-d8	10.319	98	1433339	103.771	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	210687	111.586	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	197942	244.523	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	403577	102.544	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.842	152	420373	99.690	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	386152	103.829	ug/L	93
3) Chloromethane	2.229	50	467717	101.514	ug/L	96
5) Vinyl chloride	2.375	62	501606	96.701	ug/L	98
6) Bromomethane	2.790	94	304024	101.999	ug/L	96
8) Chloroethane	2.936	64	298374	101.827	ug/L	96
9) Trichlorofluoromethane	3.271	101	450543	105.795	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	370153	96.862	ug/L	94
12) 1,1-Dichloroethene	4.045	96	358524	101.791	ug/L	92
13) Acetone	4.125	43	207721	185.703	ug/L	99
14) Carbon disulfide	4.393	76	1192826	100.205	ug/L	100
15) Methyl Acetate	4.673	43	206834	103.394	ug/L	98
16) Methylene chloride	4.917	84	343756	87.219	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	370617	101.070	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	557616	103.045	ug/L	99
19) 1,1-Dichloroethane	6.222	63	714296	98.232	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	396270	103.258	ug/L	96
22) 2-Butanone	7.167	43	292008	216.472	ug/L	99
23) Bromochloromethane	7.514	128	157076	93.832	ug/L	95
25) Chloroform	7.673	83	684777	97.364	ug/L	99
27) 1,2-Dichloroethane	8.398	62	488699	95.588	ug/L	98
29) Cyclohexane	7.959	56	716350	107.470	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	587751	100.328	ug/L	99
31) Carbon tetrachloride	8.069	117	534921	100.147	ug/L	99
33) Benzene	8.325	78	1485623	97.999	ug/L	100
34) Trichloroethene	9.093	95	408421	100.486	ug/L	97
35) Methylcyclohexane	9.337	83	753456	106.076	ug/L	99
37) 1,2-Dichloropropane	9.368	63	385604	98.887	ug/L	99
38) Bromodichloromethane	9.648	83	485496	100.824	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	619485	109.415	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	589734	219.355	ug/L	100
42) Toluene	10.386	91	1580283	100.928	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	532351	111.516	ug/L	99

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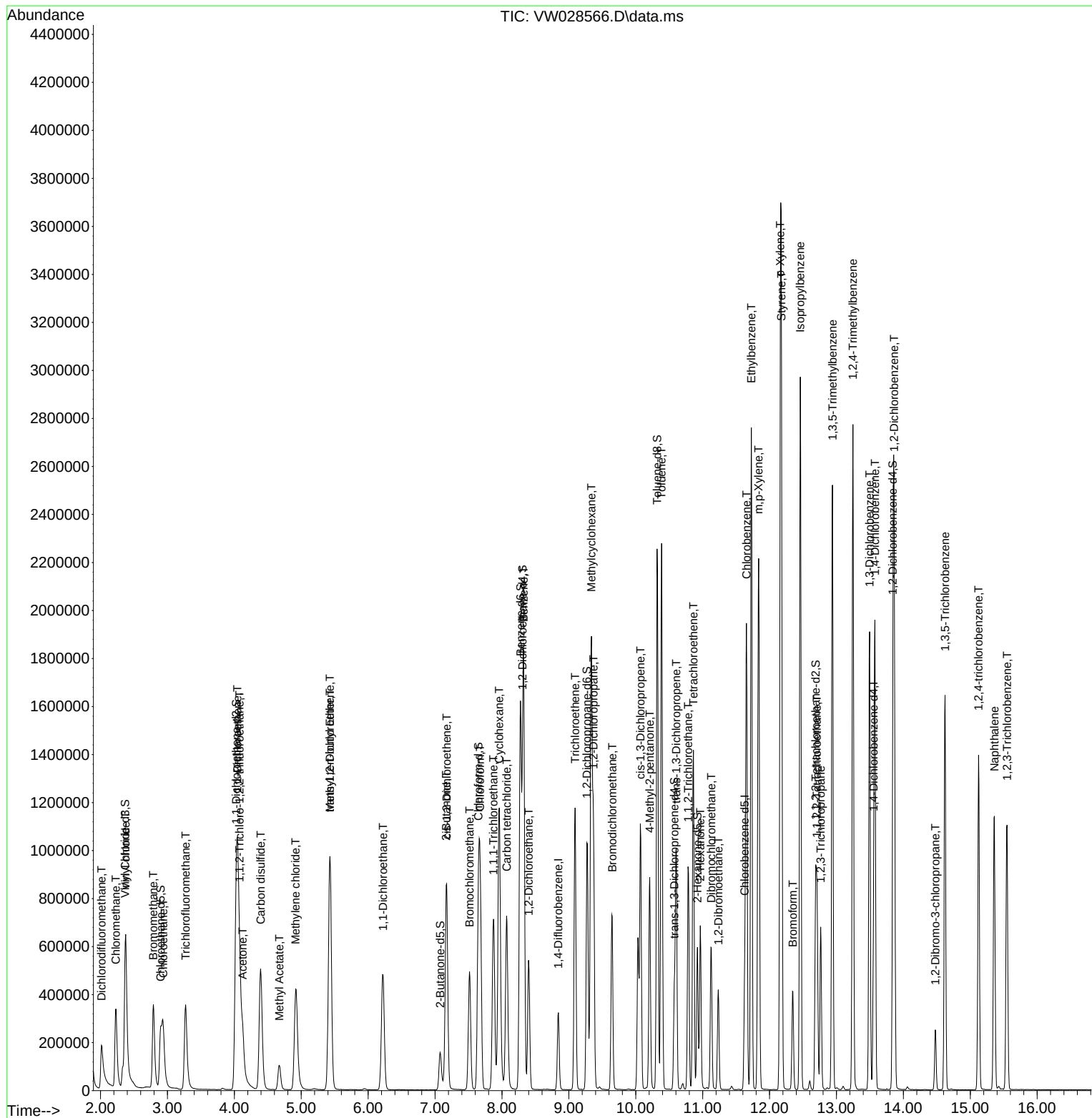
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.782	97	275580	96.304	ug/L	97
46) Tetrachloroethene	10.861	164	290148	99.070	ug/L	88
48) 2-Hexanone	10.965	43	429428	226.246	ug/L	100
49) Dibromochloromethane	11.130	129	301001	104.870	ug/L	100
50) 1,2-Dibromoethane	11.233	107	273855	102.164	ug/L	99
51) Chlorobenzene	11.654	112	942071	97.269	ug/L	98
52) Ethylbenzene	11.727	91	1833599	103.481	ug/L	94
53) m,p-Xylene	11.837	106	676622	104.173	ug/L	97
54) o-Xylene	12.160	106	652365	108.568	ug/L	93
55) Styrene	12.178	104	1089214	106.979	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.709	83	355166	98.927	ug/L	98
59) Bromoform	12.349	173	182777	113.239	ug/L	97
60) Isopropylbenzene	12.459	105	1809981	107.833	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	266739	99.762	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1299488	109.423	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	1429935	111.750	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	723067	103.552	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	708784	99.286	ug/L	98
67) 1,2-Dichlorobenzene	13.861	146	628434	100.551	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	63523	101.612	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	466306	99.519	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	393718	103.994	ug/L	96
71) Naphthalene	15.360	128	932578	115.615	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	341326	99.912	ug/L	97

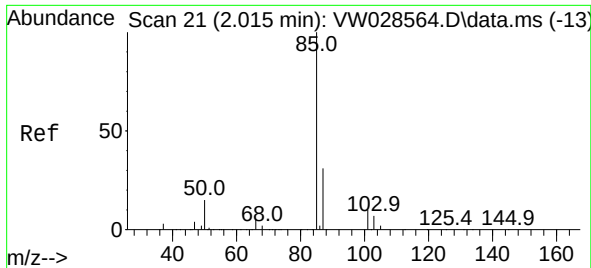
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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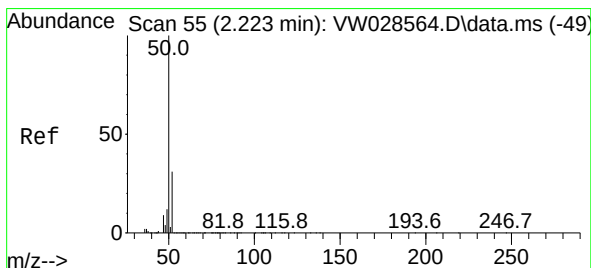
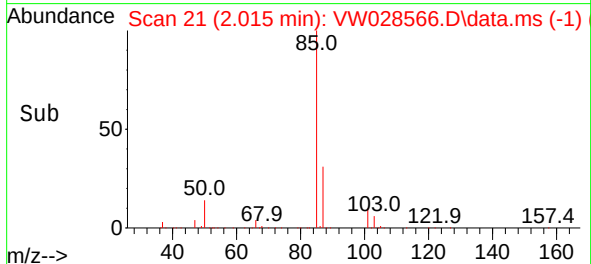
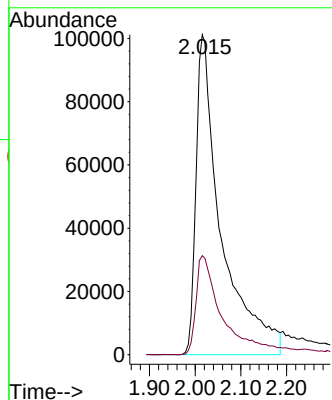
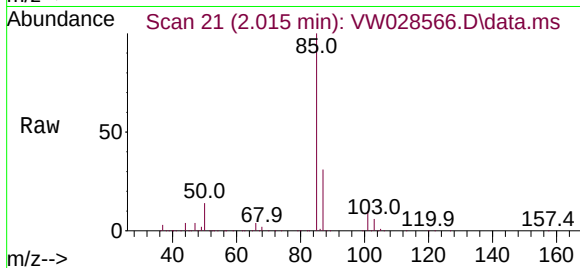




#2
 Dichlorodifluoromethane
 Concen: 103.829 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

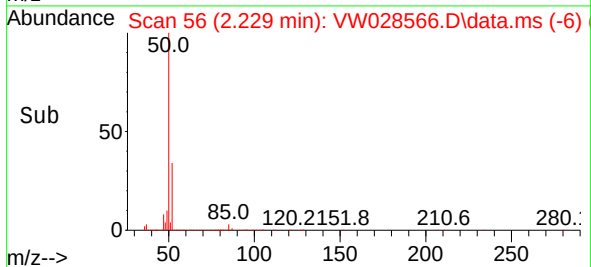
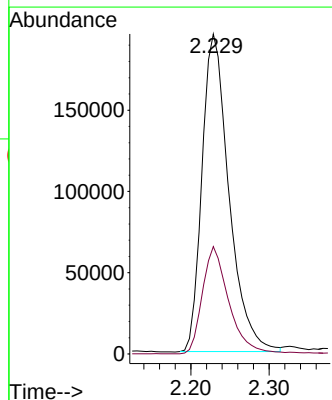
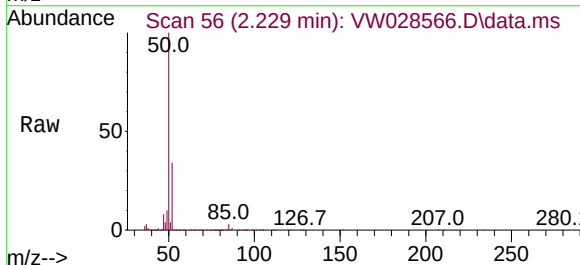
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 MSVOA_W
 ClientSampleId :

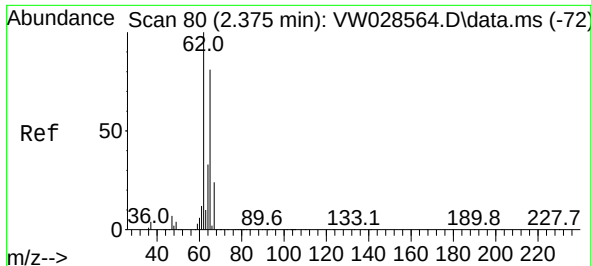
Tgt Ion: 85 Resp: 386152
 Ion Ratio Lower Upper
 85 100
 87 31.3 21.9 32.9



#3
 Chloromethane
 Concen: 101.514 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

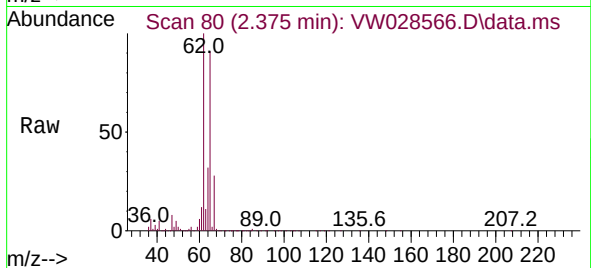
Tgt Ion: 50 Resp: 467717
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.0 41.0



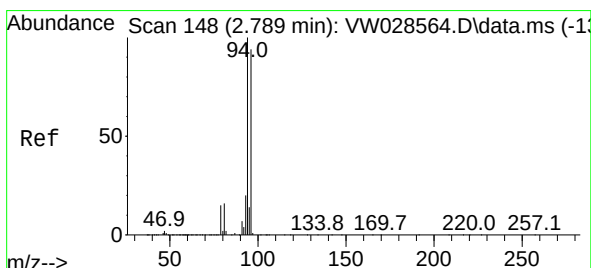
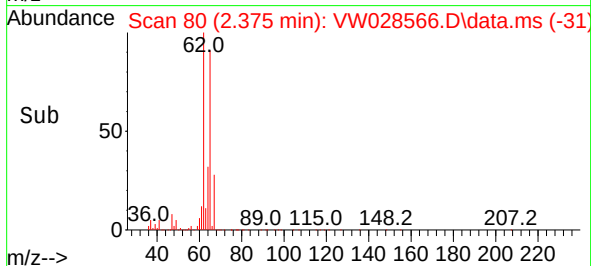
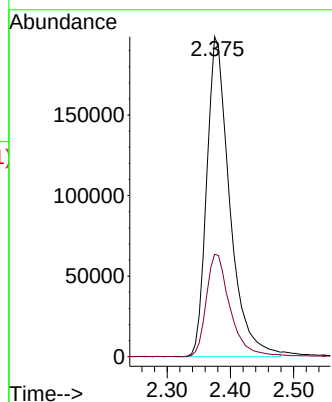


#5
 Vinyl chloride
 Concen: 96.701 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

Instrument :
 MSVOA_W
 ClientSampleId :

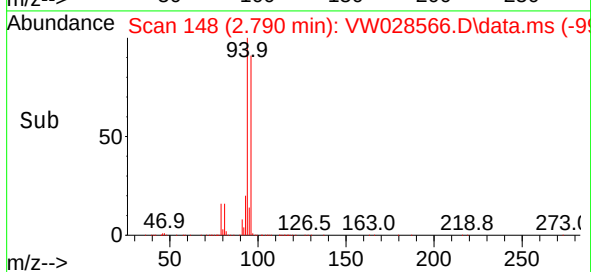
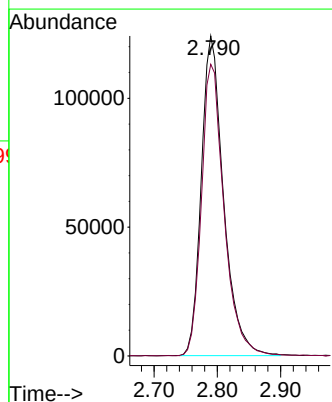
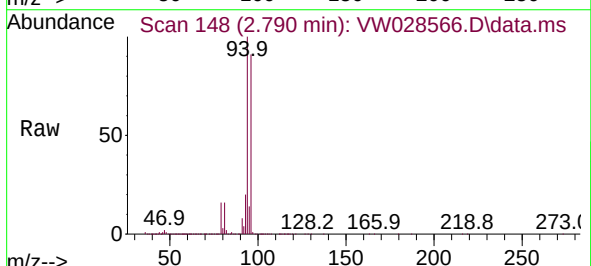


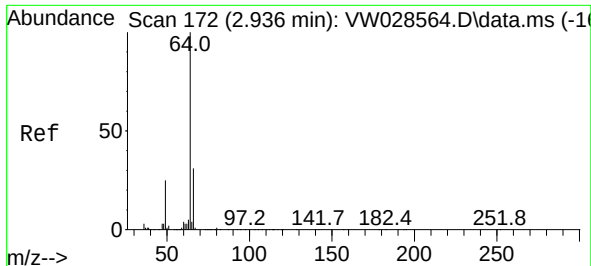
Tgt Ion: 62 Resp: 501606
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.3 43.3



#6
 Bromomethane
 Concen: 101.999 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

Tgt Ion: 94 Resp: 304024
 Ion Ratio Lower Upper
 94 100
 96 91.1 66.3 123.1

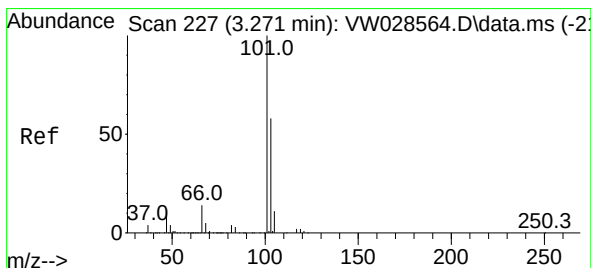
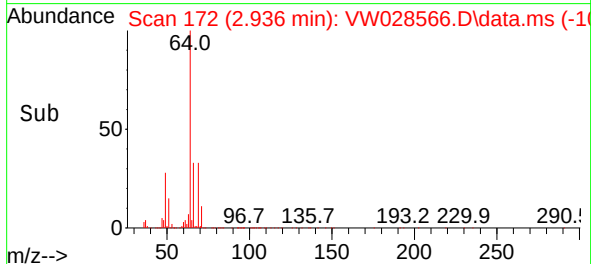
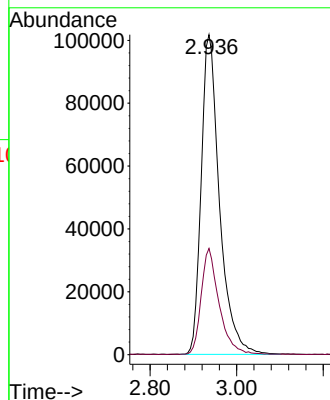
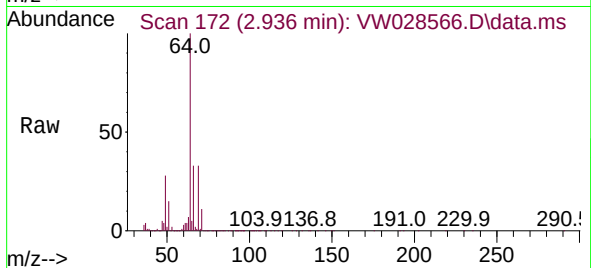




#8
Chloroethane
Concen: 101.827 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

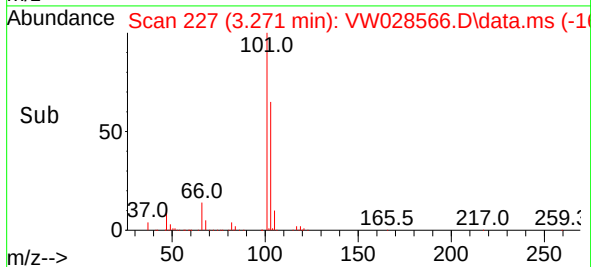
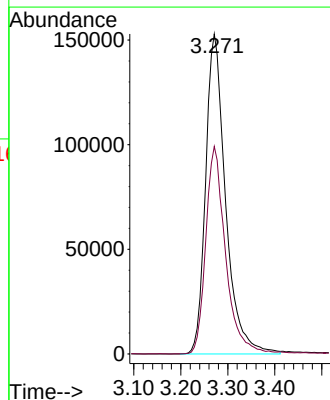
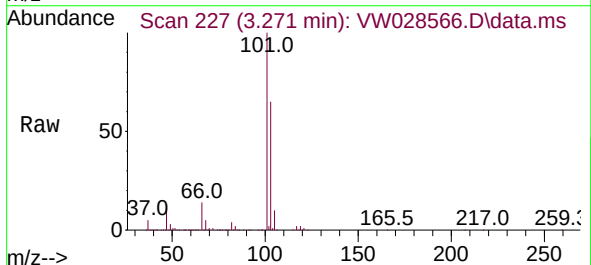
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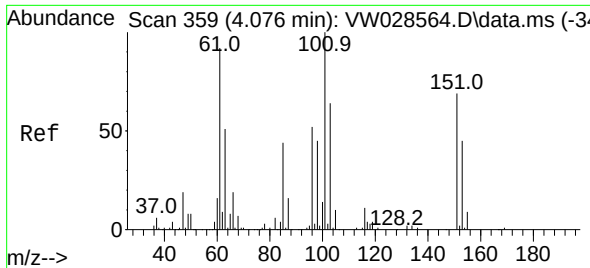
Tgt Ion: 64 Resp: 298374
Ion Ratio Lower Upper
64 100
66 33.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 105.795 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Tgt Ion:101 Resp: 450543
Ion Ratio Lower Upper
101 100
103 64.1 50.4 75.6

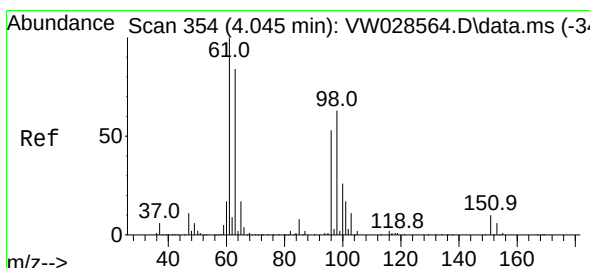
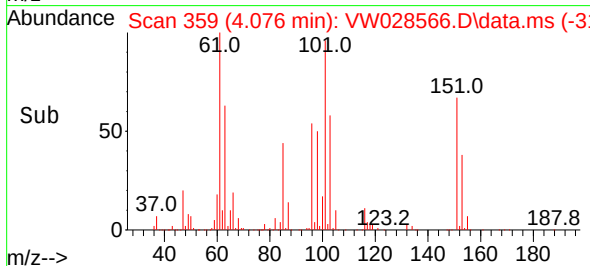
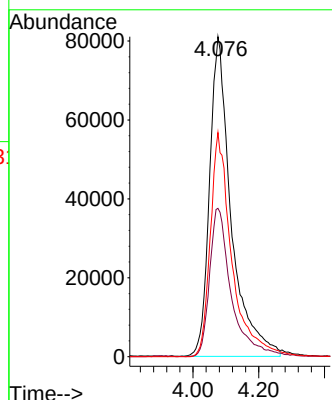
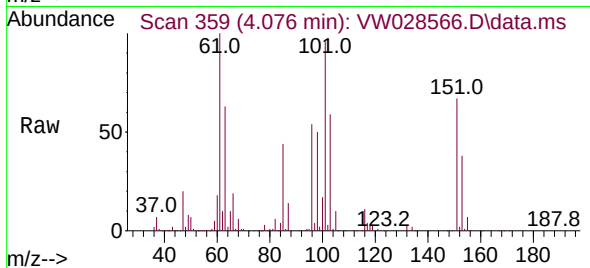




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 96.862 ug/L
 RT: 4.076 min Scan# 359
 Delta R.T. 0.000 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

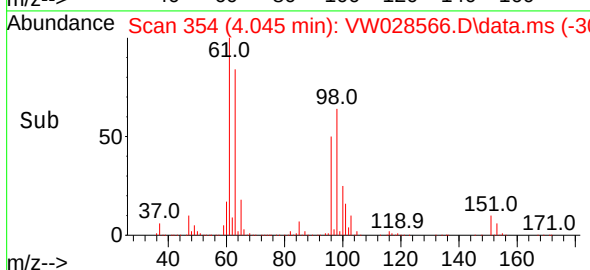
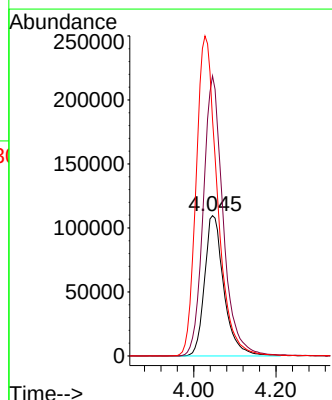
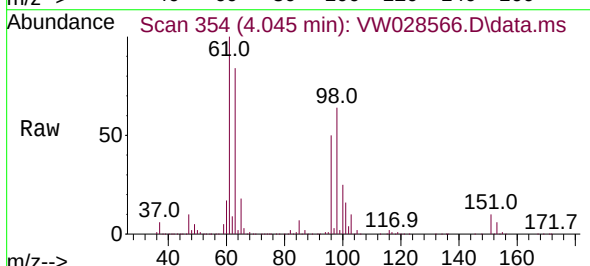
Instrument :
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 ClientSampleId :

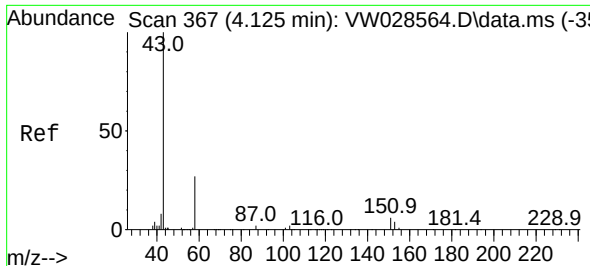
Tgt Ion:101 Resp: 370153
 Ion Ratio Lower Upper
 101 100
 85 45.6 35.8 53.8
 151 69.7 49.6 74.4



#12
 1,1-Dichloroethene
 Concen: 101.791 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

Tgt Ion: 96 Resp: 358524
 Ion Ratio Lower Upper
 96 100
 61 199.5 131.6 244.4
 63 168.6 111.4 206.8

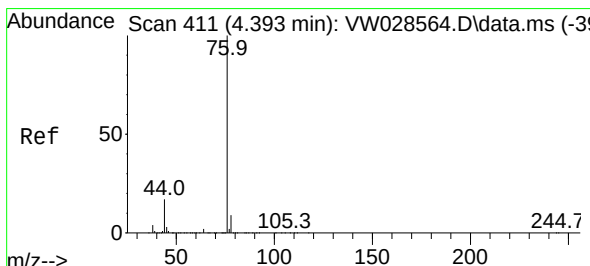
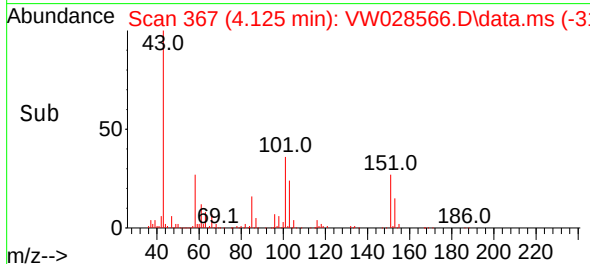
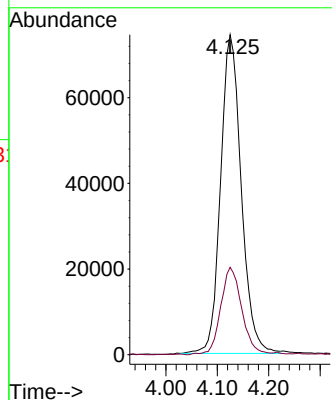
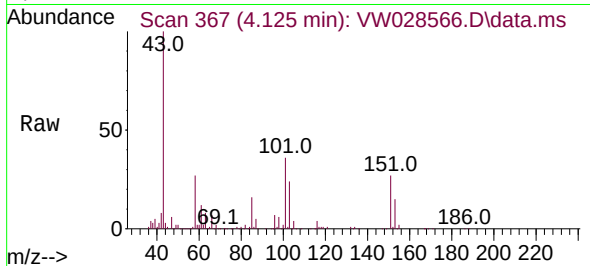




#13
Acetone
Concen: 185.703 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

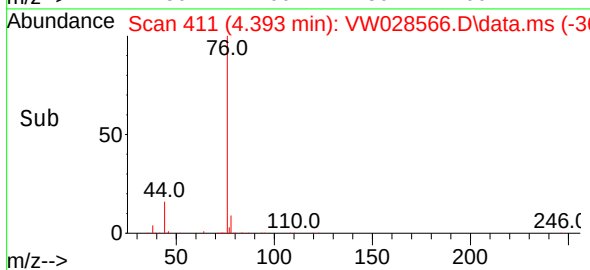
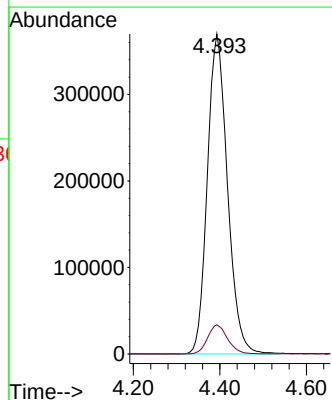
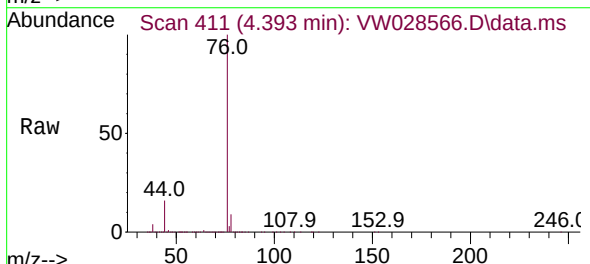
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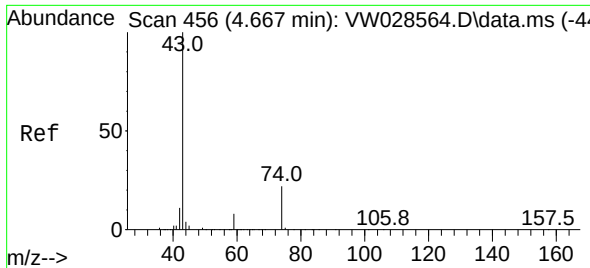
Tgt Ion: 43 Resp: 207721
Ion Ratio Lower Upper
43 100
58 27.6 0.0 54.4



#14
Carbon disulfide
Concen: 100.205 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Tgt Ion: 76 Resp: 1192826
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

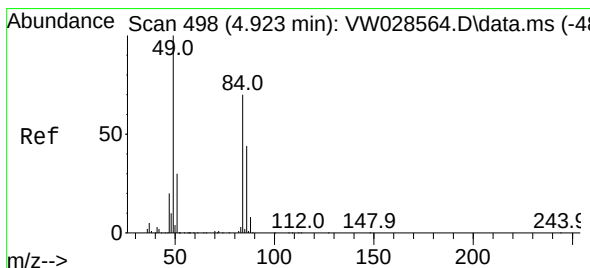
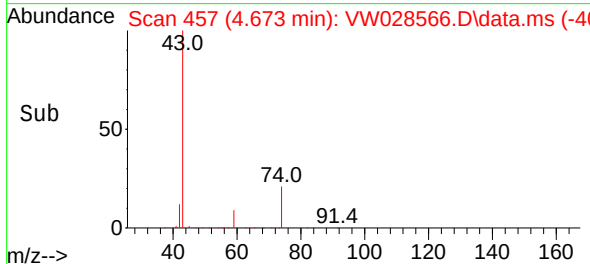
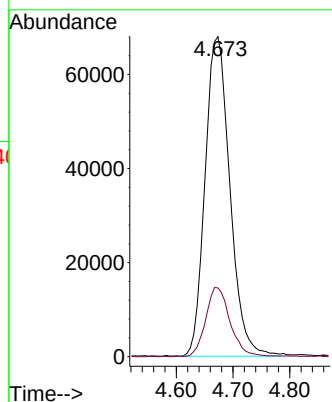
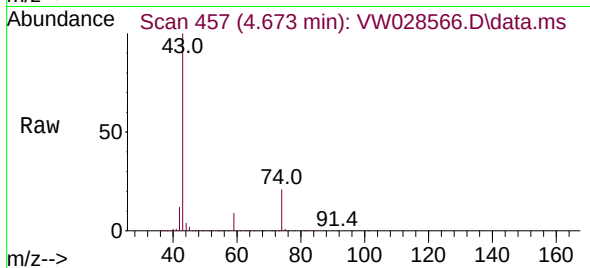




#15
Methyl Acetate
Concen: 103.394 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

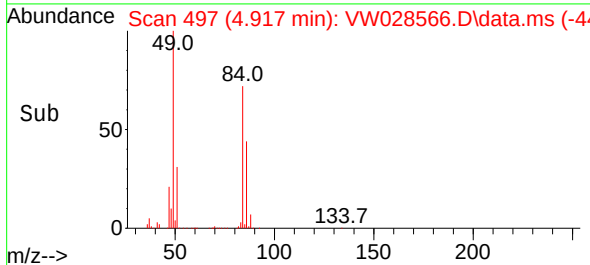
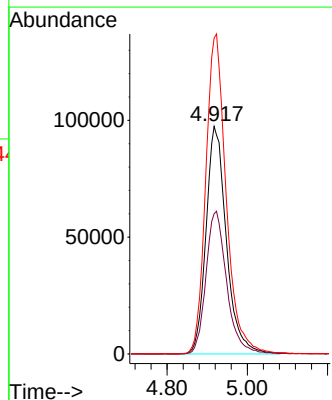
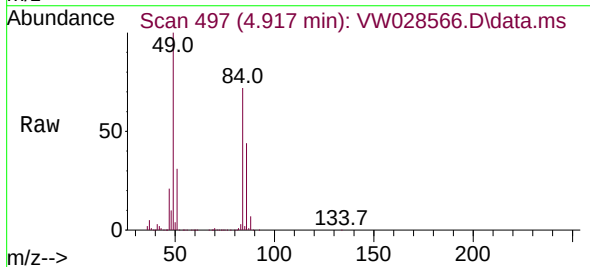
Instrument :
MSVOA_W
ClientSampleId :

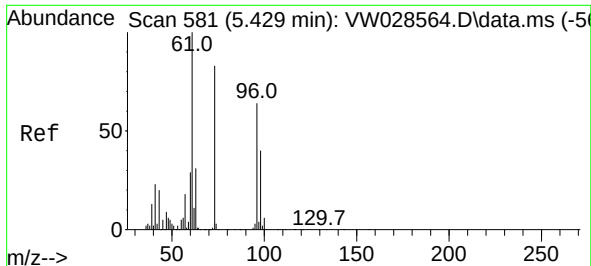
Tgt Ion: 43 Resp: 206834
Ion Ratio Lower Upper
43 100
74 21.0 17.6 26.4



#16
Methylene chloride
Concen: 87.219 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

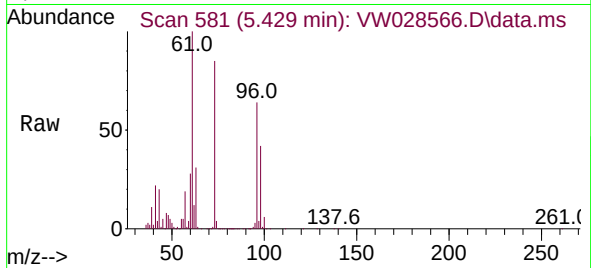
Tgt Ion: 84 Resp: 343756
Ion Ratio Lower Upper
84 100
86 61.6 44.4 82.4
49 138.8 100.2 186.2





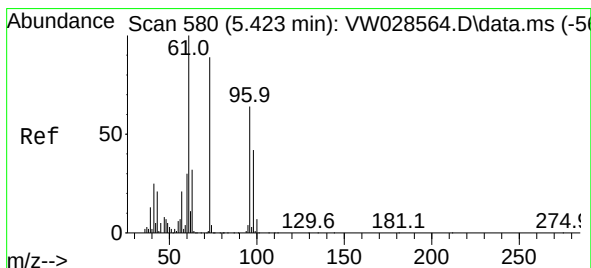
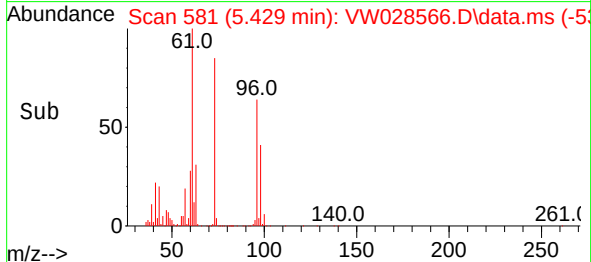
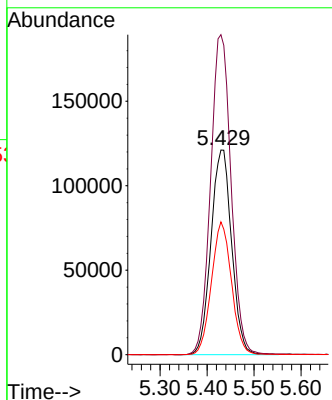
#17
trans-1,2-Dichloroethene
Concen: 101.070 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 370617

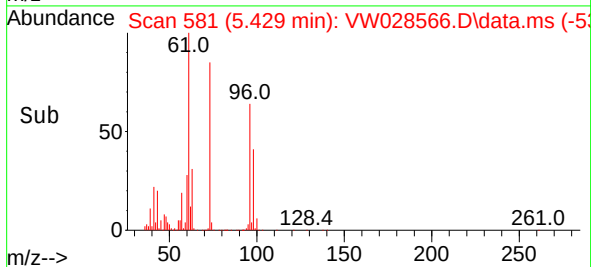
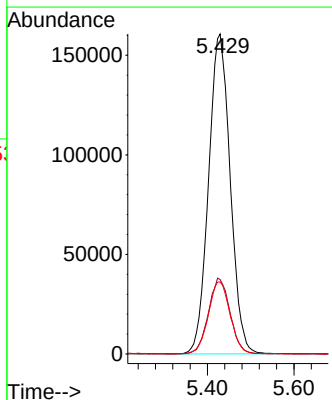
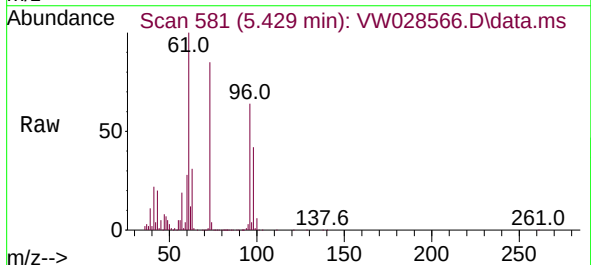
Ion	Ratio	Lower	Upper
96	100		
61	156.3	109.0	202.4
98	64.9	44.2	82.0

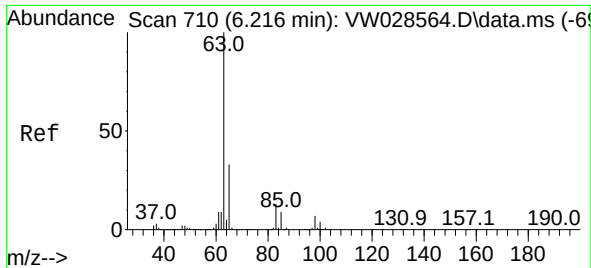


#18
Methyl tert-butyl Ether
Concen: 103.045 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Tgt Ion: 73 Resp: 557616

Ion	Ratio	Lower	Upper
73	100		
43	23.4	19.2	28.8
57	22.8	18.5	27.7

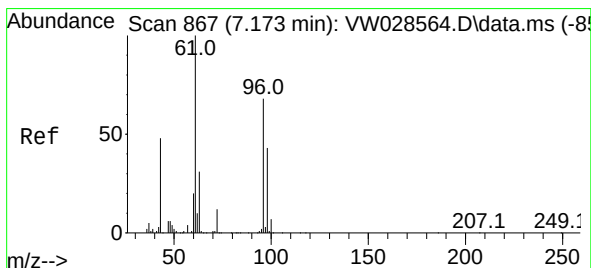
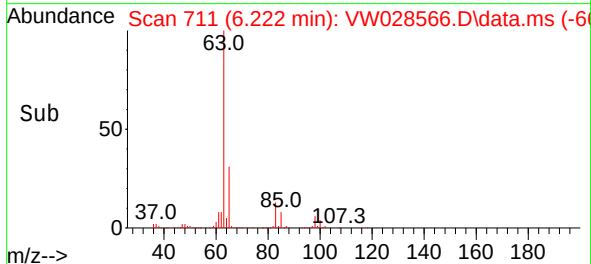
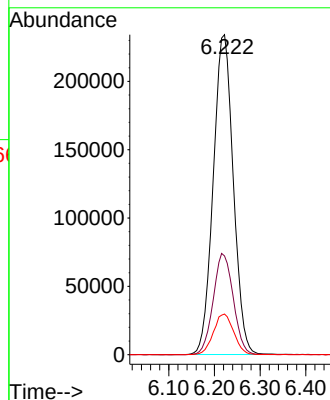
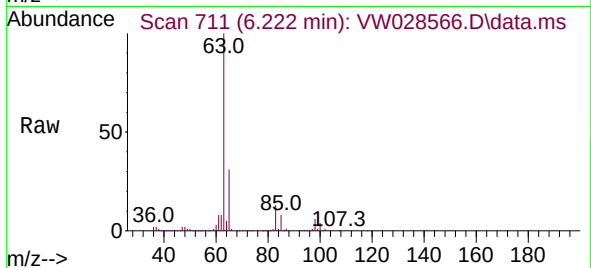




#19
1,1-Dichloroethane
Concen: 98.232 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

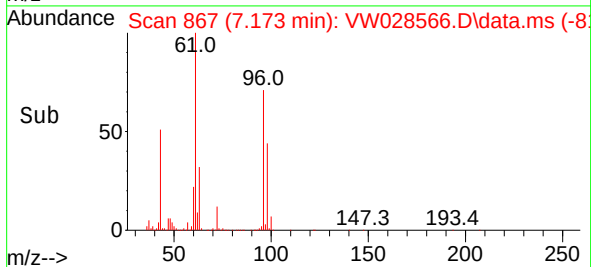
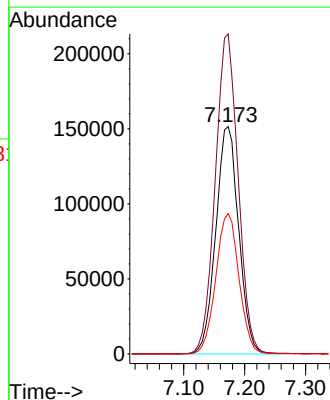
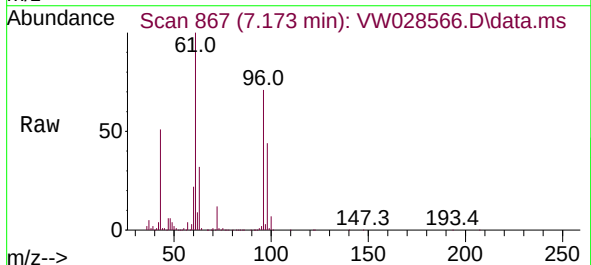
Instrument :
MSVOA_W
ClientSampleId :

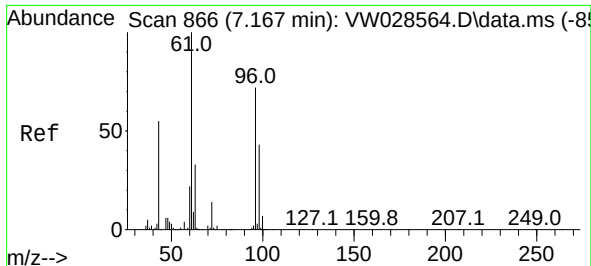
Tgt Ion: 63 Resp: 714296
Ion Ratio Lower Upper
63 100
65 30.9 22.9 42.5
83 12.7 9.0 16.8



#20
cis-1,2-Dichloroethene
Concen: 103.258 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Tgt Ion: 96 Resp: 396270
Ion Ratio Lower Upper
96 100
61 140.7 102.8 191.0
98 61.8 44.3 82.3





#22

2-Butanone

Concen: 216.472 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

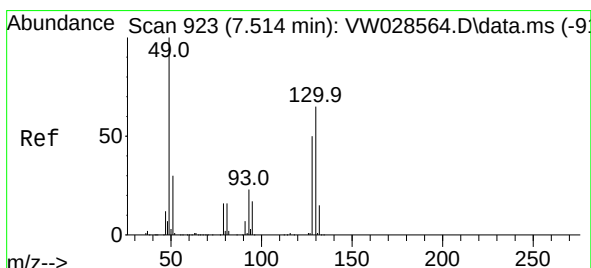
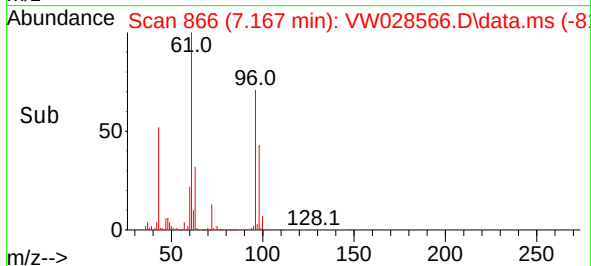
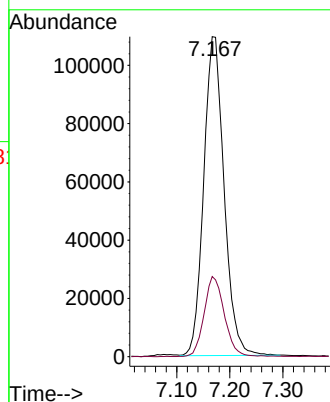
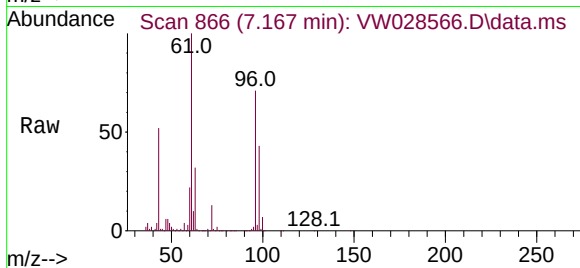
ClientSampleId :

Tgt Ion: 43 Resp: 292008

Ion Ratio Lower Upper

43 100

72 24.9 12.2 36.6



#23

Bromochloromethane

Concen: 93.832 ug/L

RT: 7.514 min Scan# 923

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Tgt Ion: 128 Resp: 157076

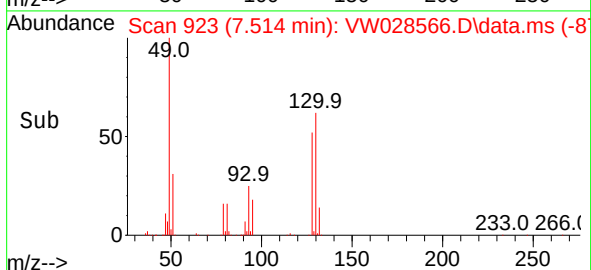
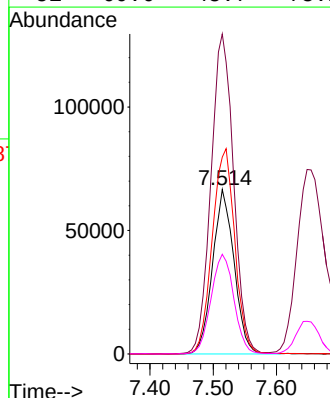
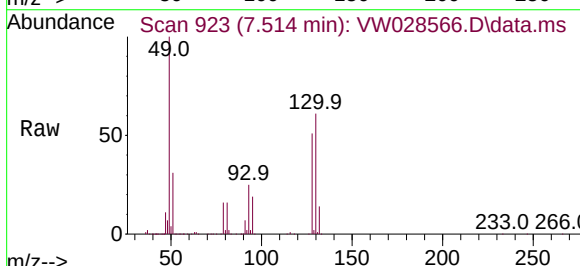
Ion Ratio Lower Upper

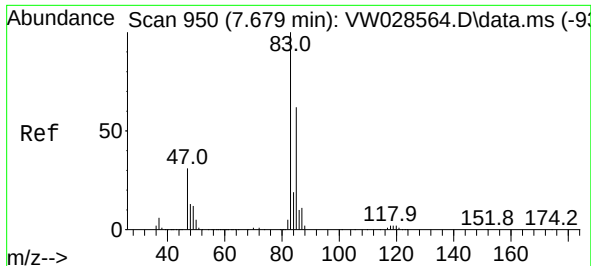
128 100

49 194.5 139.6 259.2

130 119.6 91.2 169.4

51 60.6 48.7 73.1





#25

Chloroform

Concen: 97.364 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

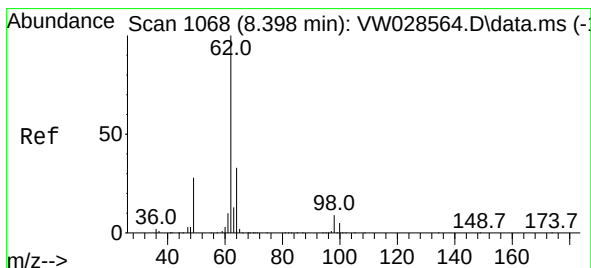
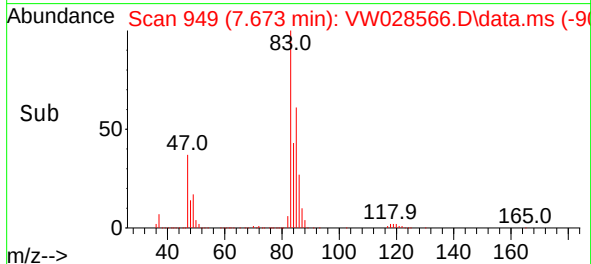
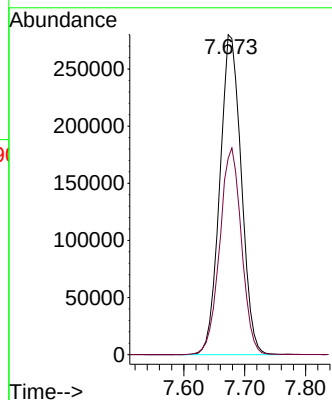
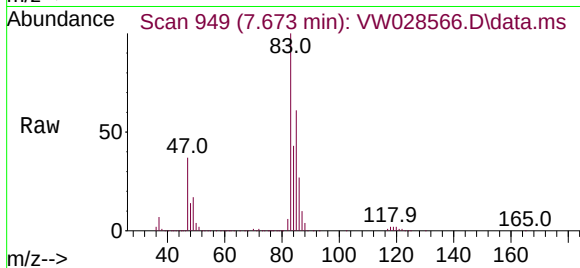
ClientSampleId :

Tgt Ion: 83 Resp: 684777

Ion Ratio Lower Upper

83 100

85 61.4 43.4 80.6



#27

1,2-Dichloroethane

Concen: 95.588 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028566.D

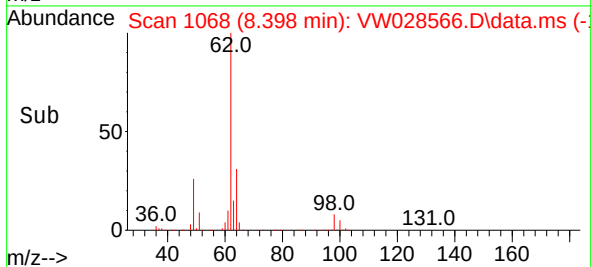
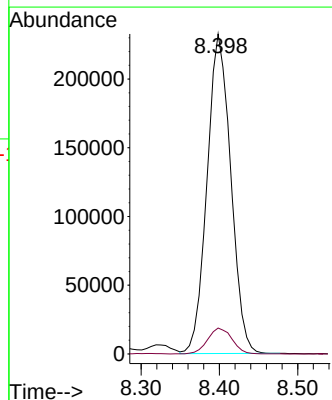
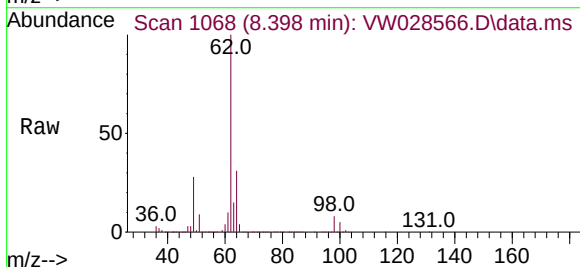
Acq: 02 May 2024 11:48

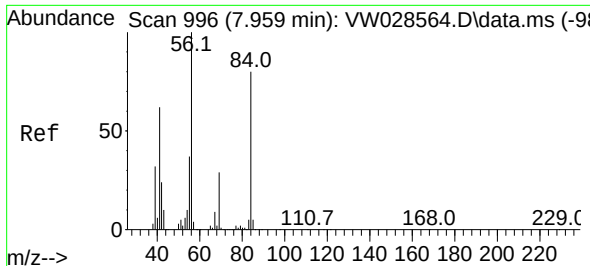
Tgt Ion: 62 Resp: 488699

Ion Ratio Lower Upper

62 100

98 8.1 7.0 10.6





#29

Cyclohexane

Concen: 107.470 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

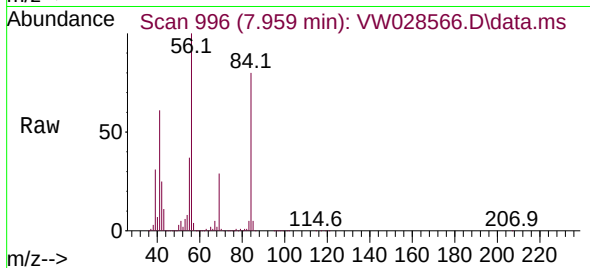
Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :



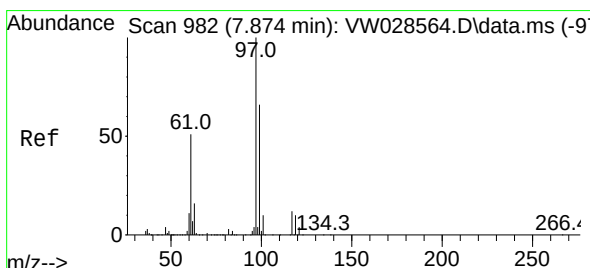
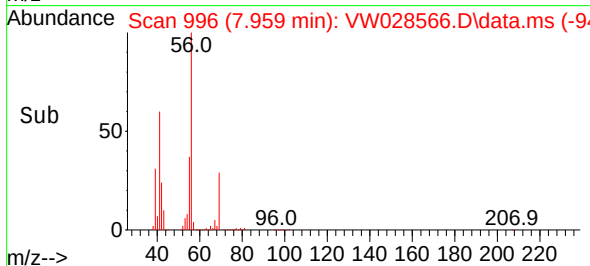
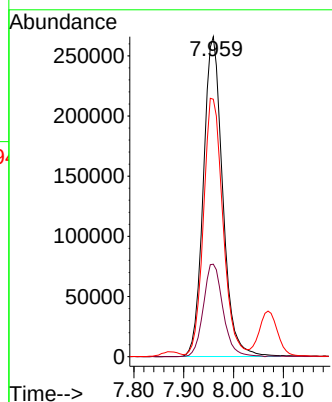
Tgt Ion: 56 Resp: 716350

Ion Ratio Lower Upper

56 100

69 29.4 23.4 35.0

84 81.0 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 100.328 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

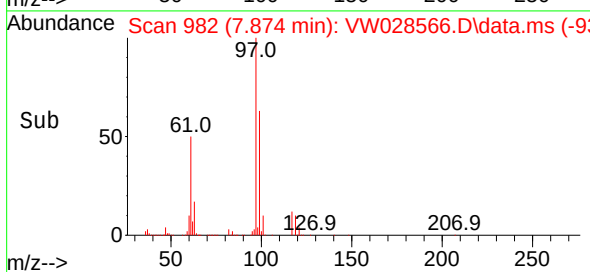
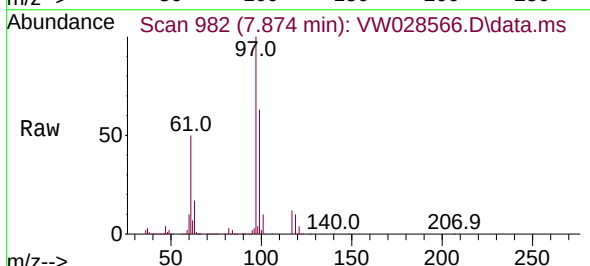
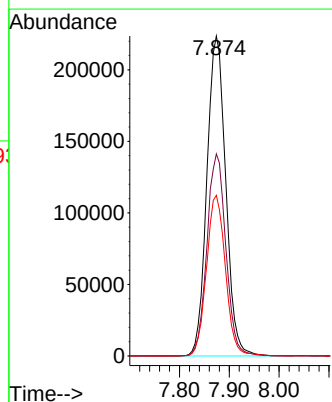
Tgt Ion: 97 Resp: 587751

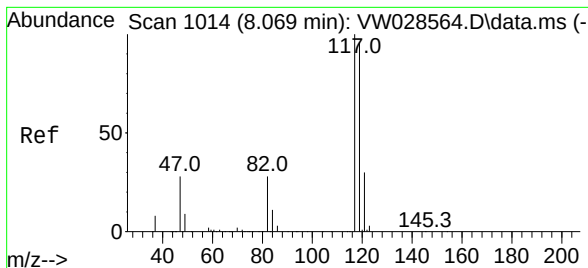
Ion Ratio Lower Upper

97 100

99 63.4 50.9 76.3

61 50.5 41.0 61.6

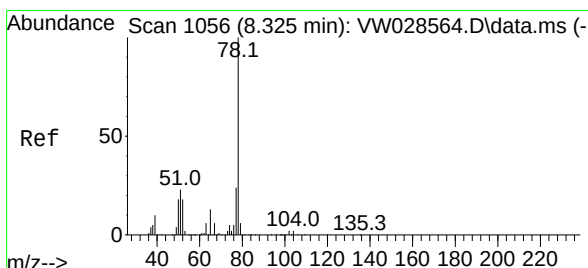
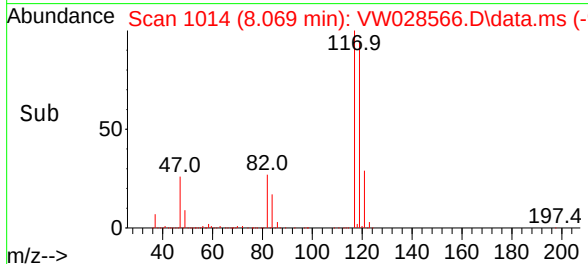
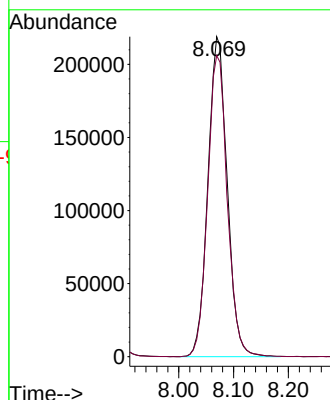
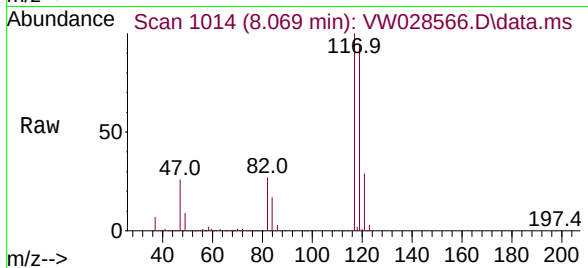




#31
Carbon tetrachloride
Concen: 100.147 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

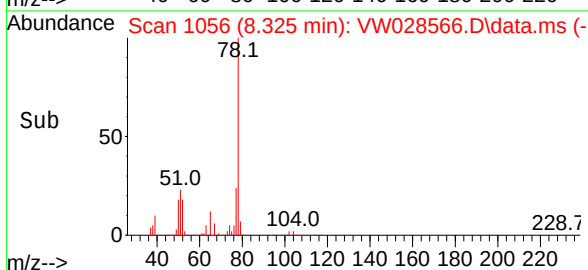
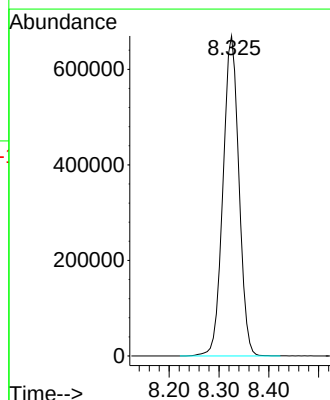
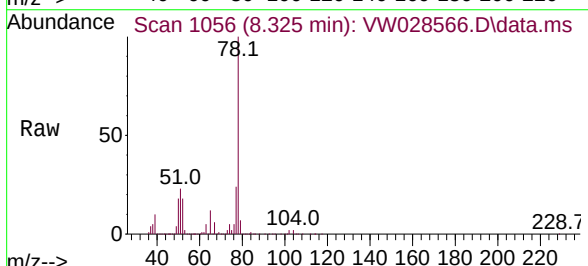
Instrument :
MSVOA_W
ClientSampleId :

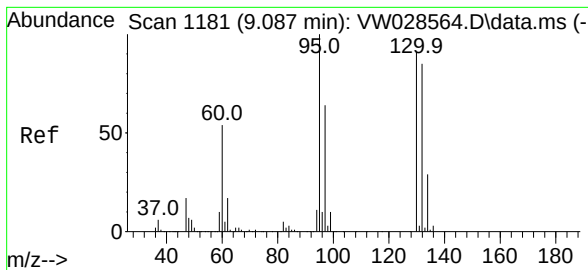
Tgt Ion:117 Resp: 534921
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8



#33
Benzene
Concen: 97.999 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Tgt Ion: 78 Resp: 1485623





#34

Trichloroethene

Concen: 100.486 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

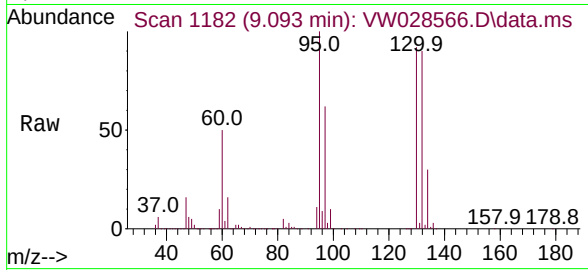
Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 408421

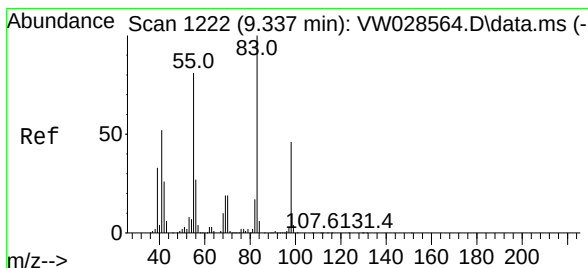
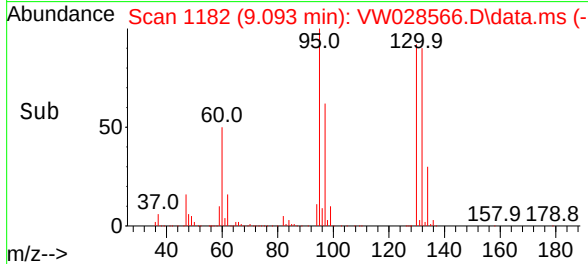
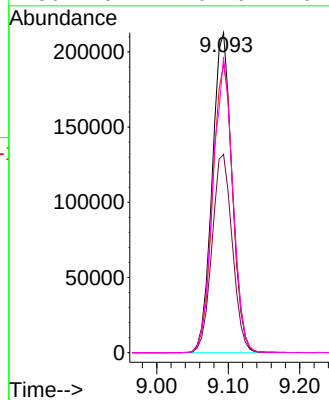
Ion Ratio Lower Upper

95 100

97 62.0 44.9 83.3

132 90.2 59.7 110.9

130 92.4 64.0 119.0



#35

Methylcyclohexane

Concen: 106.076 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

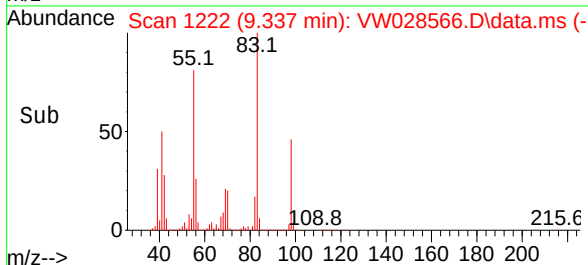
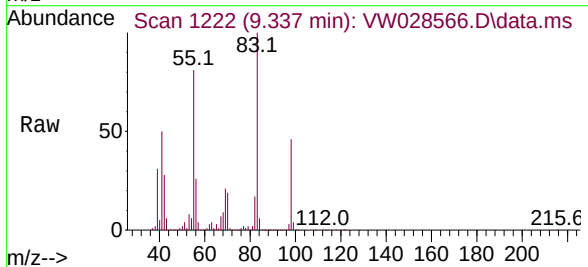
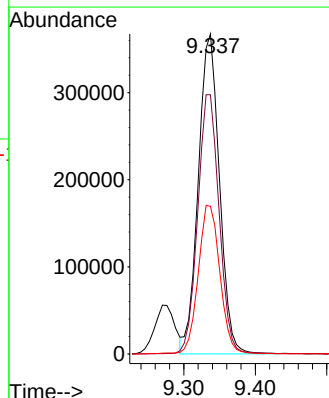
Tgt Ion: 83 Resp: 753456

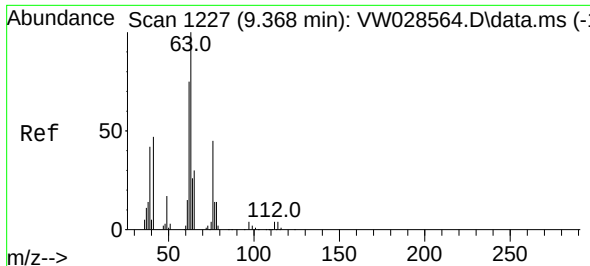
Ion Ratio Lower Upper

83 100

55 82.4 66.9 100.3

98 47.2 37.9 56.9





#37

1,2-Dichloropropane

Concen: 98.887 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

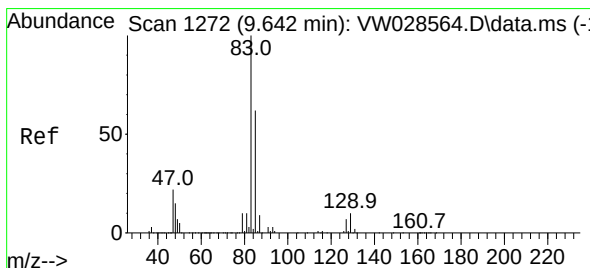
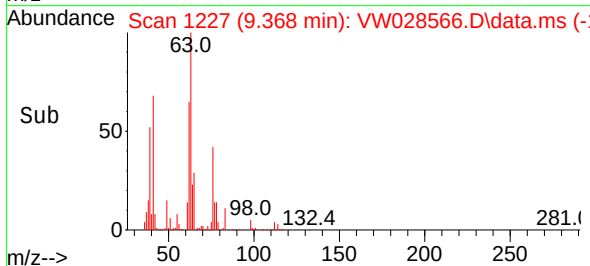
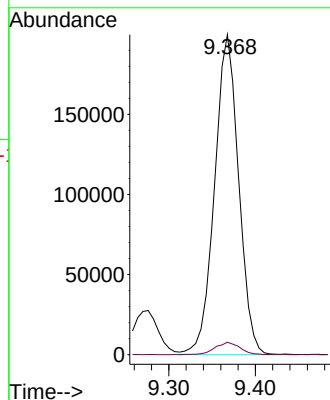
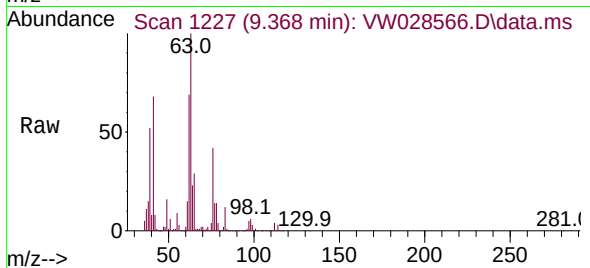
ClientSampleId :

Tgt Ion: 63 Resp: 385604

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 100.824 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

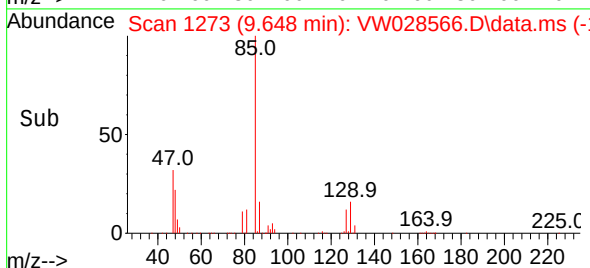
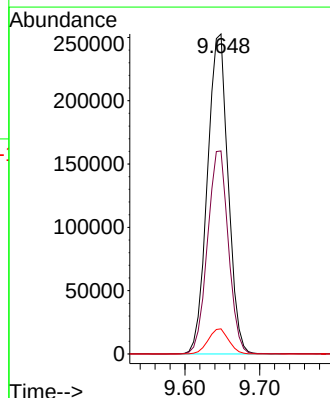
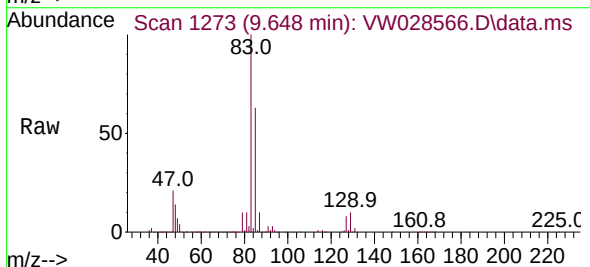
Tgt Ion: 83 Resp: 485496

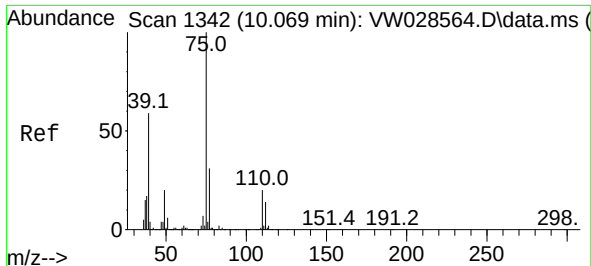
Ion Ratio Lower Upper

83 100

85 63.4 43.0 80.0

127 7.8 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 109.415 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

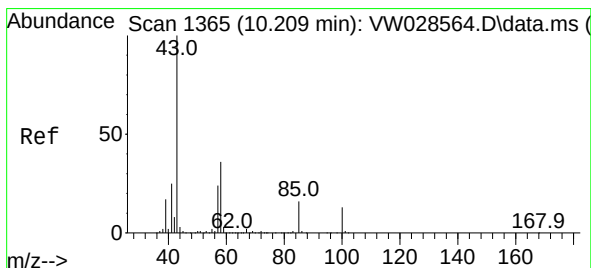
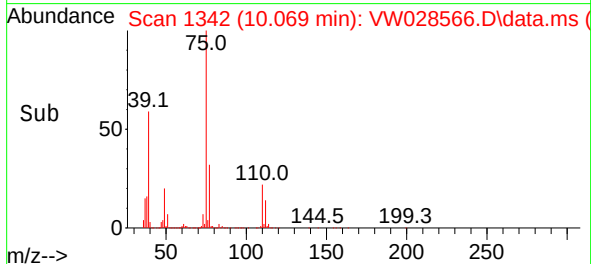
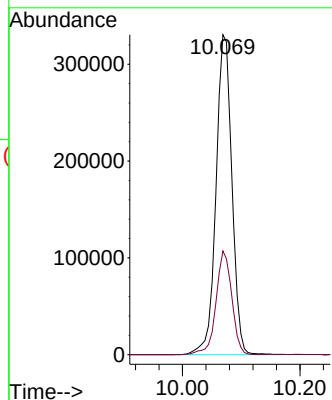
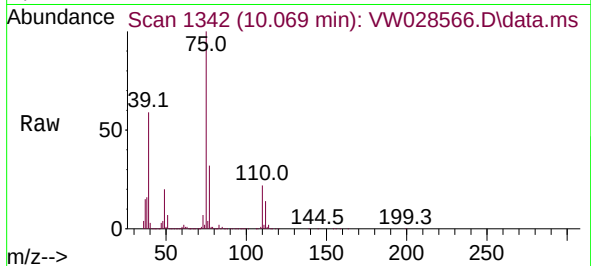
ClientSampleId :

Tgt Ion: 75 Resp: 619485

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 219.355 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

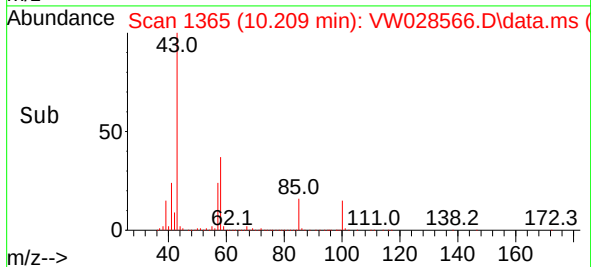
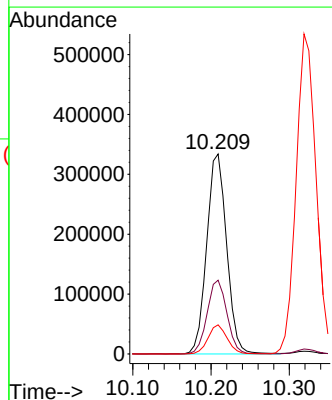
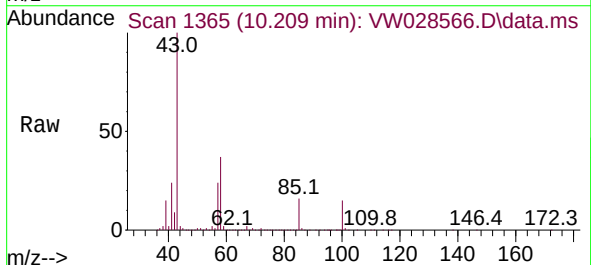
Tgt Ion: 43 Resp: 589734

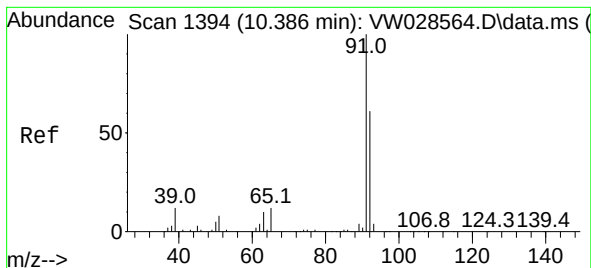
Ion Ratio Lower Upper

43 100

58 36.7 29.2 43.8

100 14.0 11.0 16.4





#42

Toluene

Concen: 100.928 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

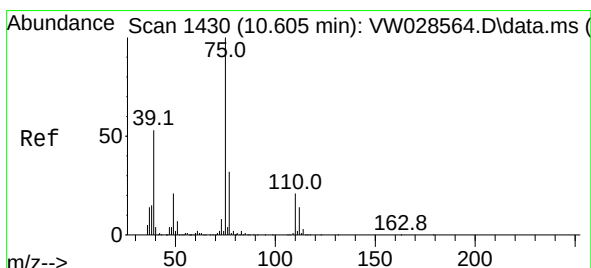
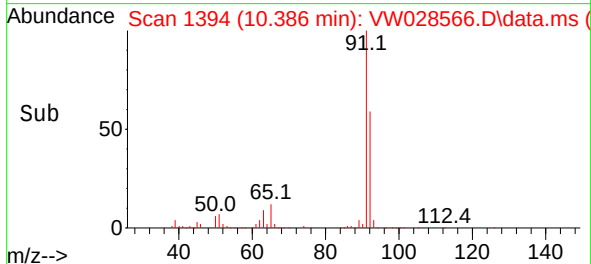
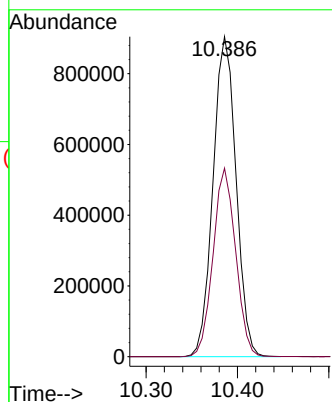
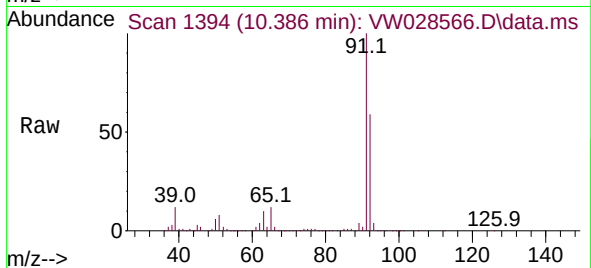
ClientSampleId :

Tgt Ion: 91 Resp: 1580283

Ion Ratio Lower Upper

91 100

92 58.9 42.5 78.9



#44

trans-1,3-Dichloropropene

Concen: 111.516 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028566.D

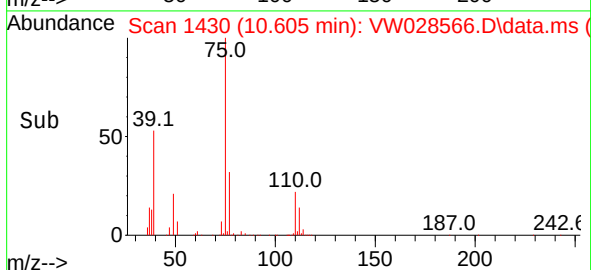
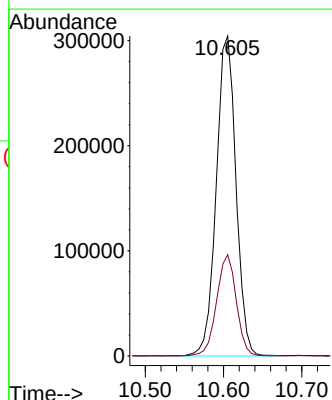
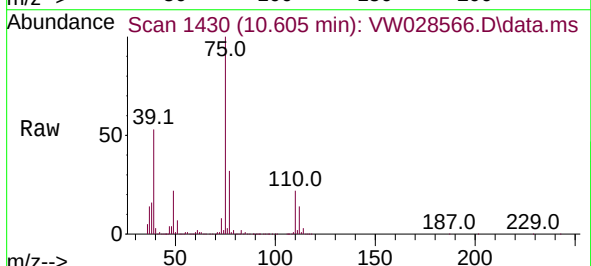
Acq: 02 May 2024 11:48

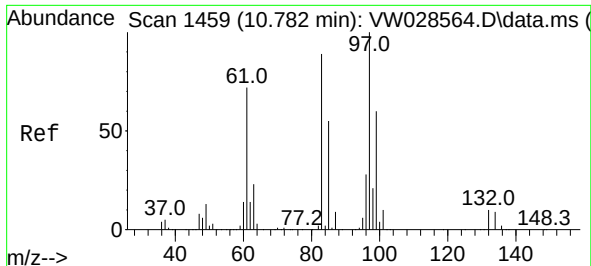
Tgt Ion: 75 Resp: 532351

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 96.304 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

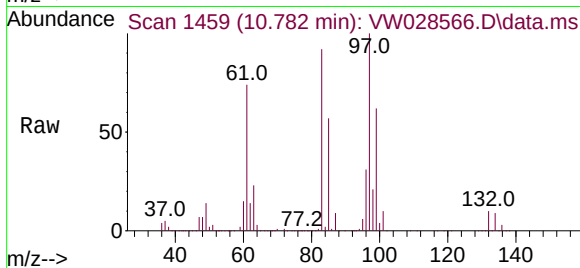
Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 275580

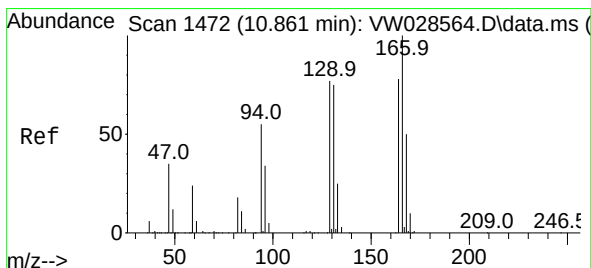
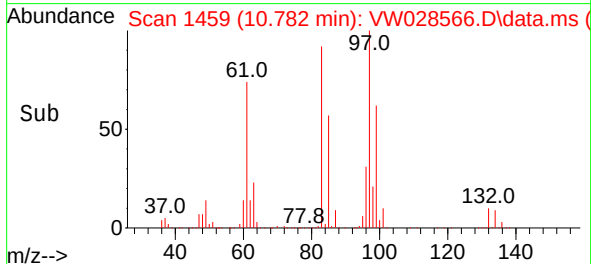
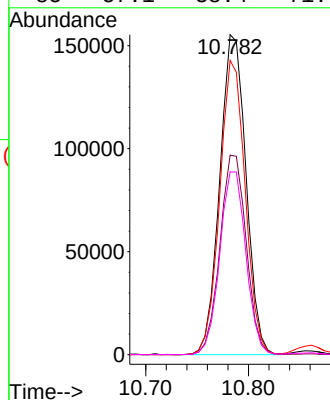
Ion Ratio Lower Upper

97 100

99 62.3 41.9 77.9

83 92.0 62.1 115.3

85 57.1 38.4 71.4



#46

Tetrachloroethene

Concen: 99.070 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Tgt Ion:164 Resp: 290148

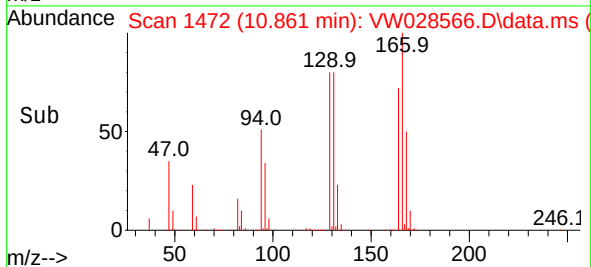
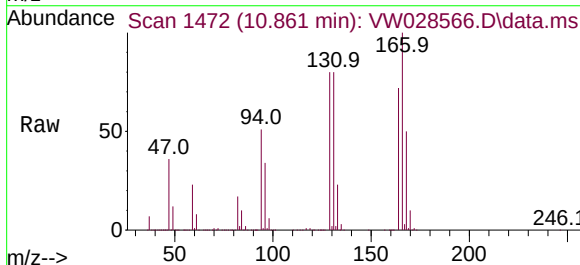
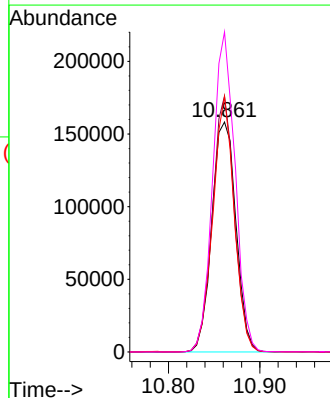
Ion Ratio Lower Upper

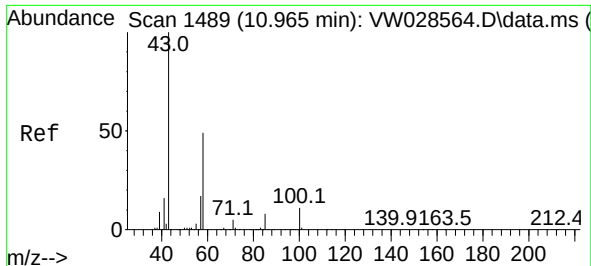
164 100

129 111.3 69.2 128.6

131 111.1 67.7 125.7

166 139.1 89.7 166.7





#48

2-Hexanone

Concen: 226.246 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

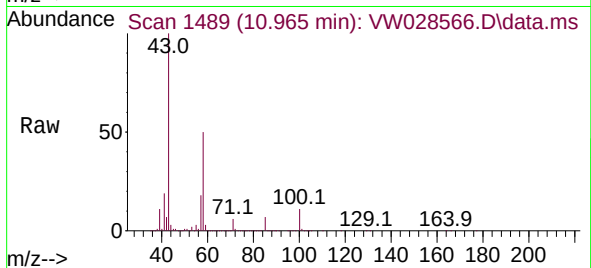
Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 429428

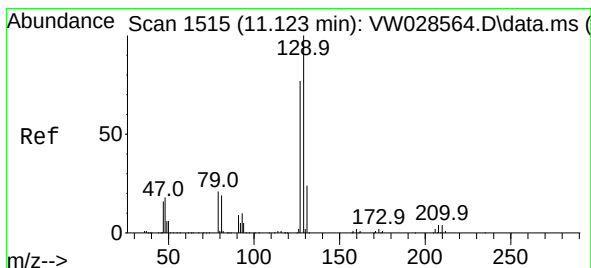
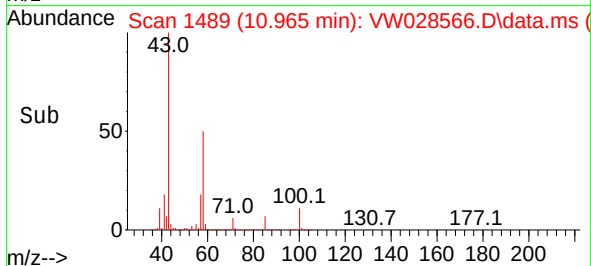
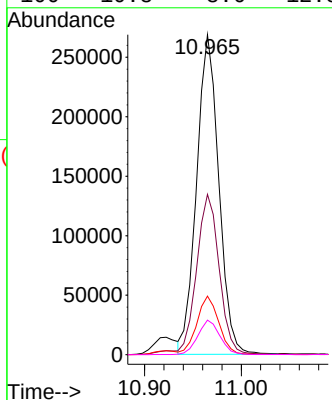
Ion Ratio Lower Upper

43 100

58 51.0 41.0 61.4

57 18.1 14.8 22.2

100 10.8 8.6 12.8



#49

Dibromochloromethane

Concen: 104.870 ug/L

RT: 11.130 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW028566.D

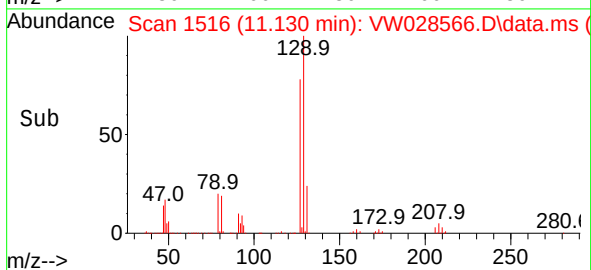
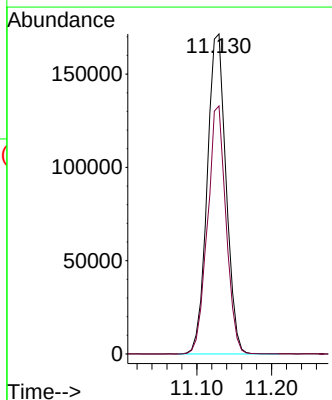
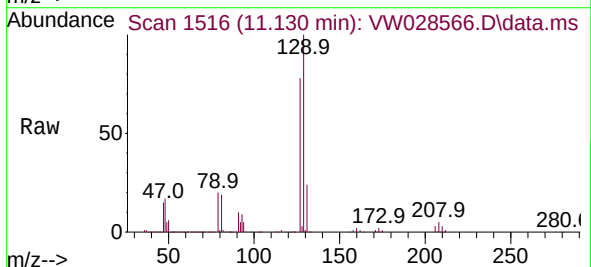
Acq: 02 May 2024 11:48

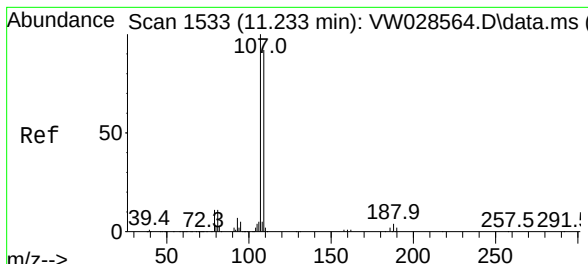
Tgt Ion:129 Resp: 301001

Ion Ratio Lower Upper

129 100

127 77.5 54.3 100.8



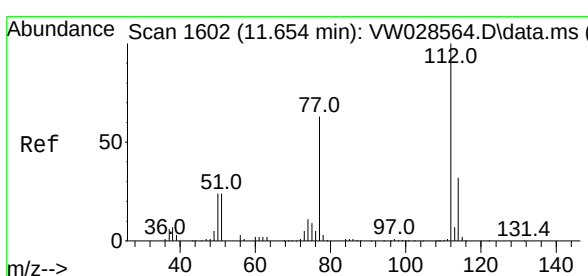
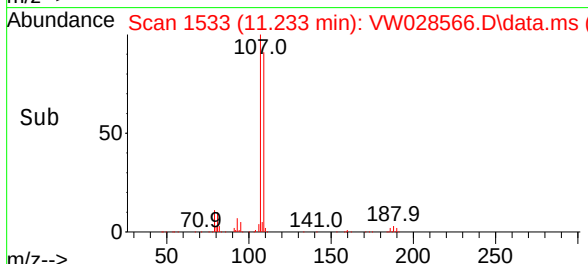
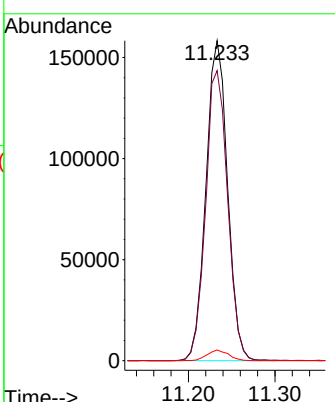
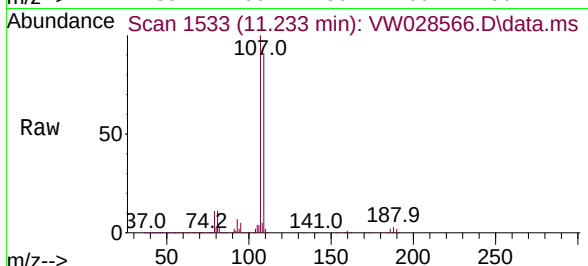


#50
 1,2-Dibromoethane
 Concen: 102.164 ug/L
 RT: 11.233 min Scan# 1533
 Delta R.T. 0.000 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:107 Resp: 273855

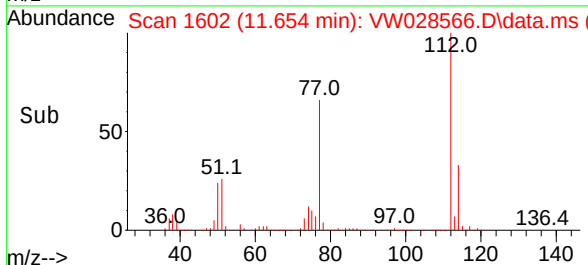
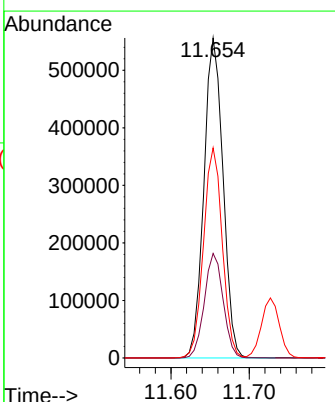
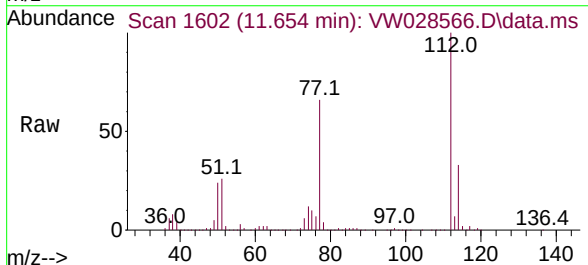
Ion	Ratio	Lower	Upper
107	100		
109	90.7	64.2	119.2
188	3.3	3.1	4.7

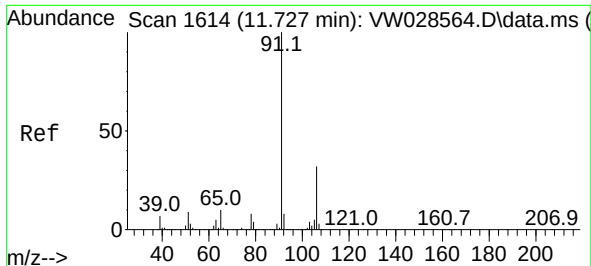


#51
 Chlorobenzene
 Concen: 97.269 ug/L
 RT: 11.654 min Scan# 1602
 Delta R.T. 0.000 min
 Lab File: VW028566.D
 Acq: 02 May 2024 11:48

Tgt Ion:112 Resp: 942071

Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.2	41.2
77	65.6	50.8	76.2





#52

Ethylbenzene

Concen: 103.481 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

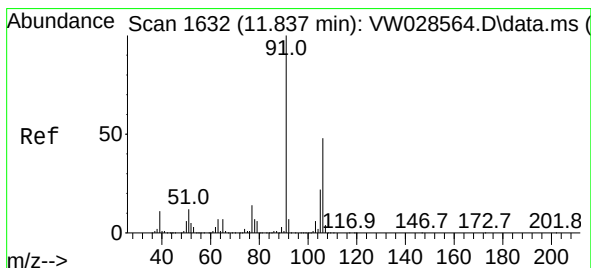
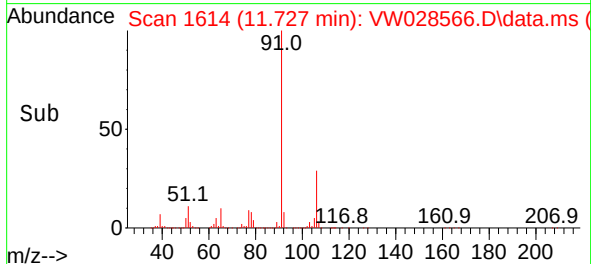
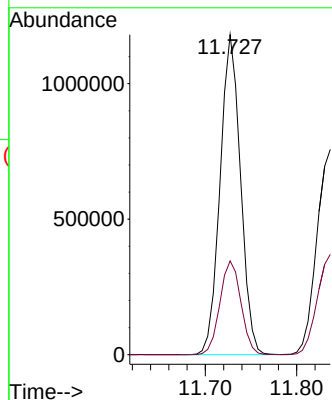
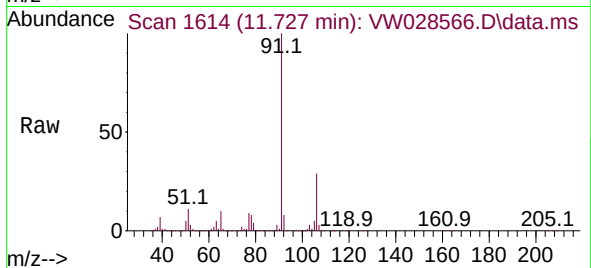
ClientSampleId :

Tgt Ion: 91 Resp: 1833599

Ion Ratio Lower Upper

91 100

106 29.3 22.7 42.1



#53

m,p-Xylene

Concen: 104.173 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028566.D

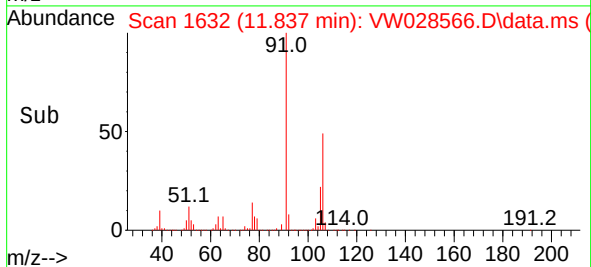
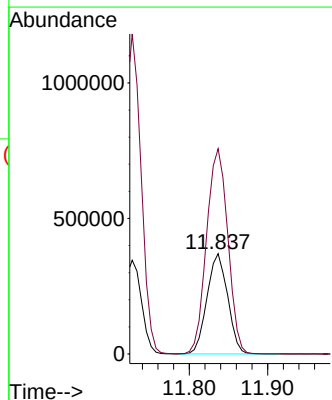
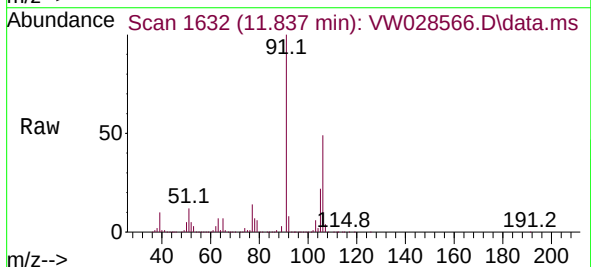
Acq: 02 May 2024 11:48

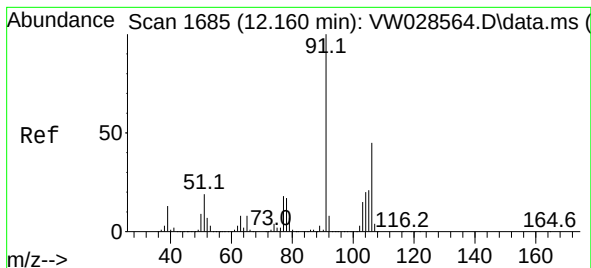
Tgt Ion:106 Resp: 676622

Ion Ratio Lower Upper

106 100

91 204.7 146.6 272.2





#54

o-Xylene

Concen: 108.568 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

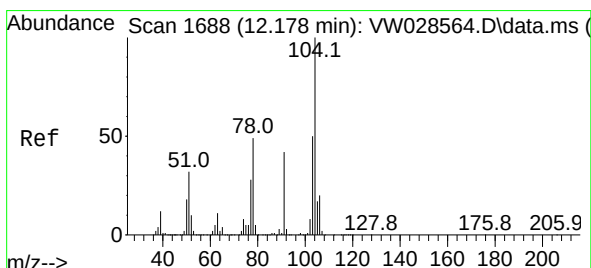
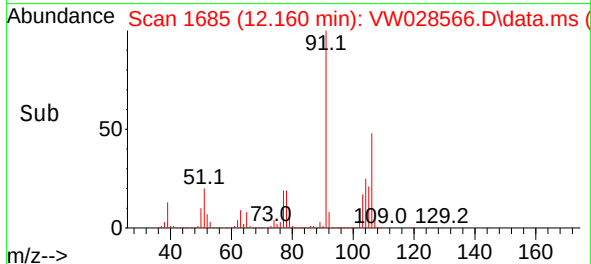
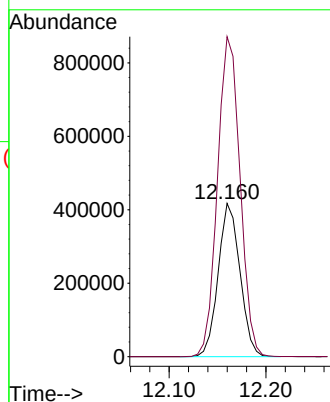
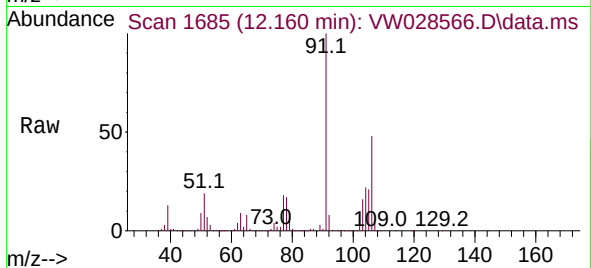
ClientSampleId :

Tgt Ion:106 Resp: 652365

Ion Ratio Lower Upper

106 100

91 208.9 154.3 286.5



#55

Styrene

Concen: 106.979 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW028566.D

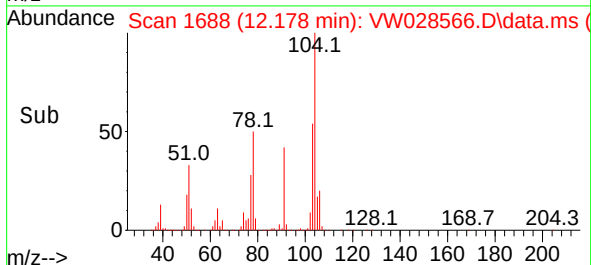
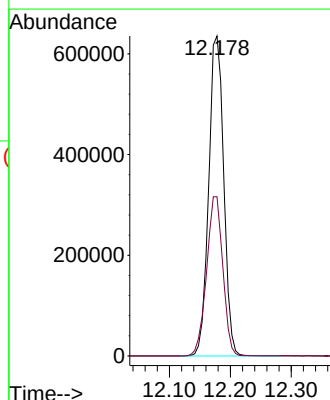
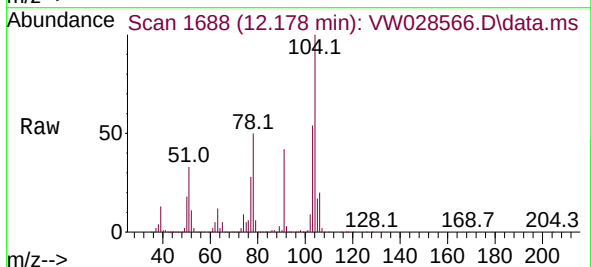
Acq: 02 May 2024 11:48

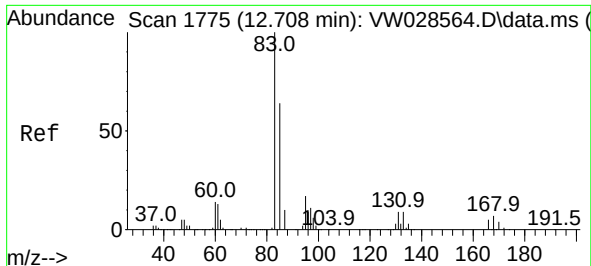
Tgt Ion:104 Resp: 1089214

Ion Ratio Lower Upper

104 100

78 49.8 34.1 63.3





#57

1,1,2,2-Tetrachloroethane

Concen: 98.927 ug/L

RT: 12.709 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :

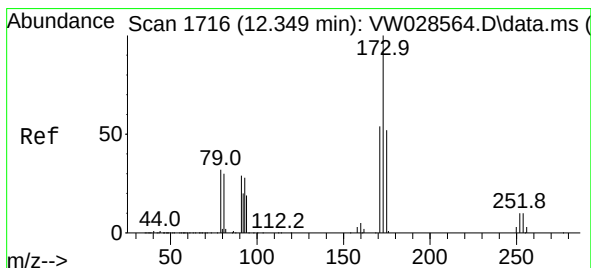
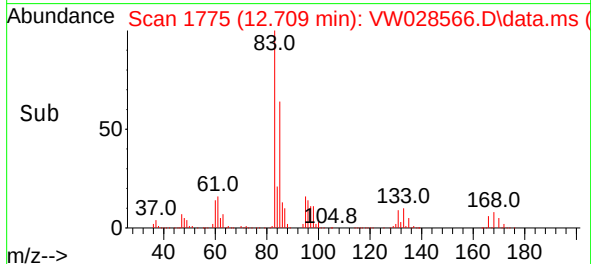
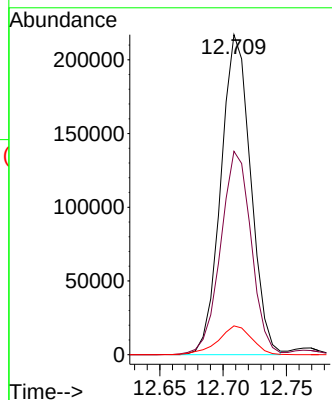
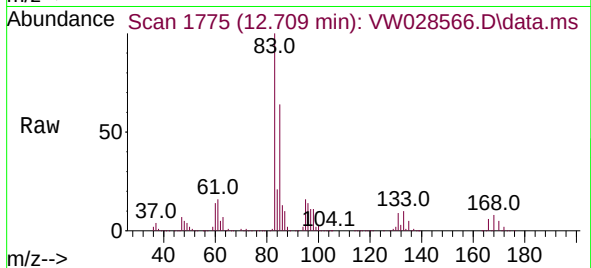
Tgt Ion: 83 Resp: 355166

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.6

131 9.0 7.3 10.9



#59

Bromoform

Concen: 113.239 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

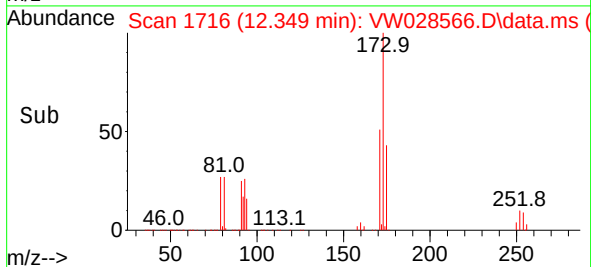
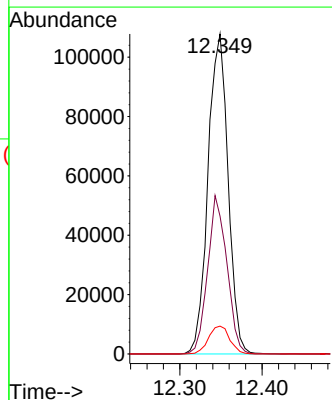
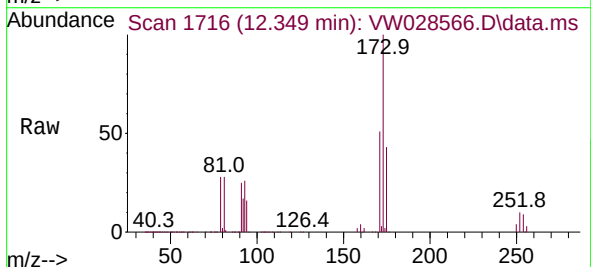
Tgt Ion:173 Resp: 182777

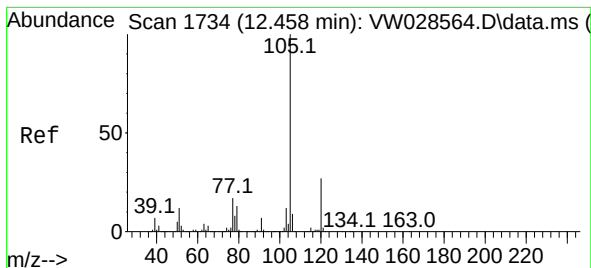
Ion Ratio Lower Upper

173 100

175 47.4 39.8 59.8

254 9.2 7.1 10.7





#60

Isopropylbenzene

Concen: 107.833 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :

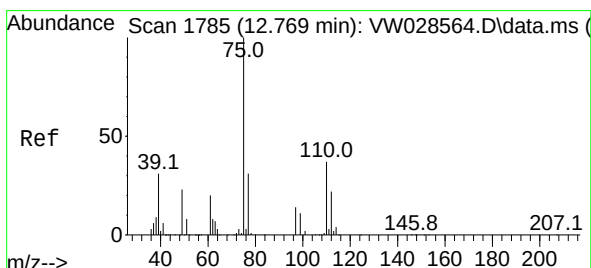
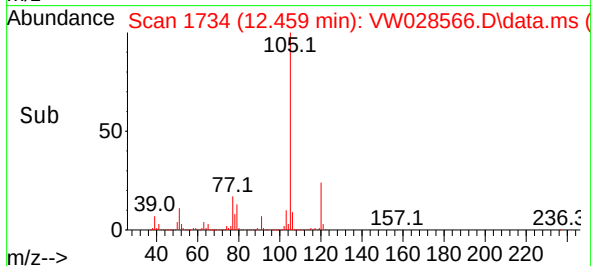
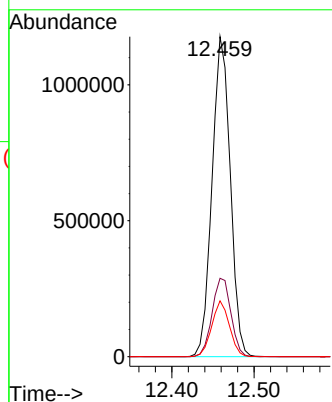
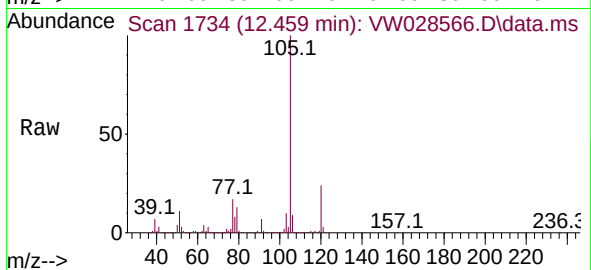
Tgt Ion:105 Resp: 1809981

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

77 17.0 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 99.762 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

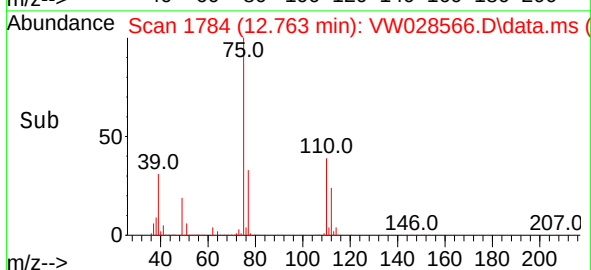
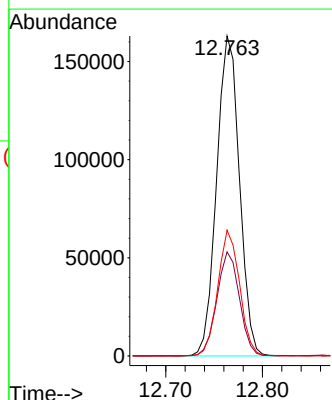
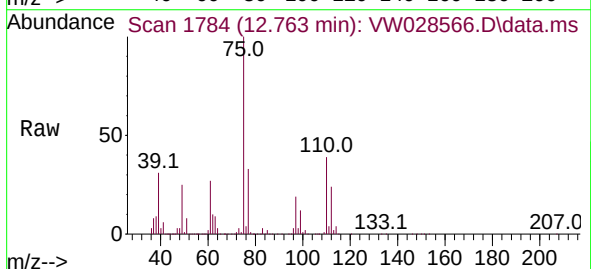
Tgt Ion: 75 Resp: 266739

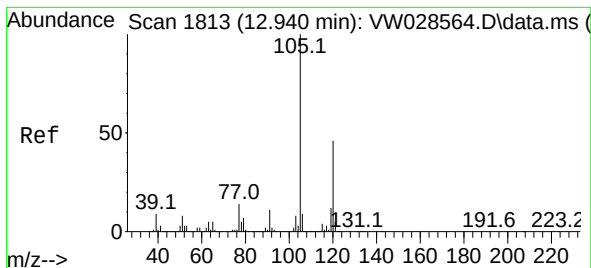
Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9

110 37.7 30.6 45.8

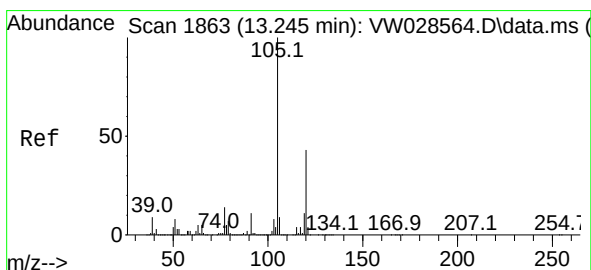
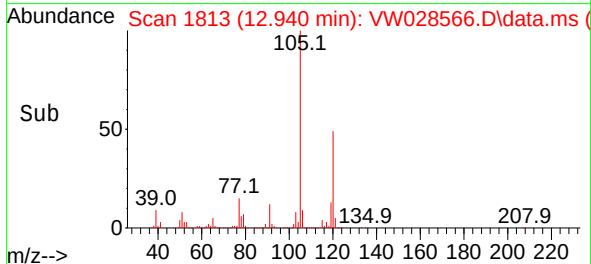
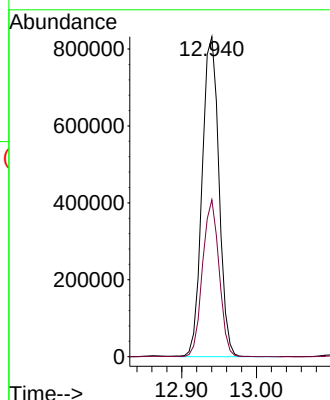
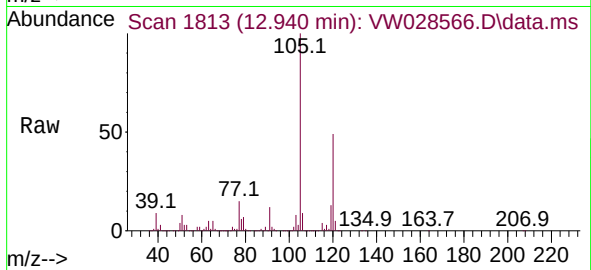




#62
1,3,5-Trimethylbenzene
Concen: 109.423 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

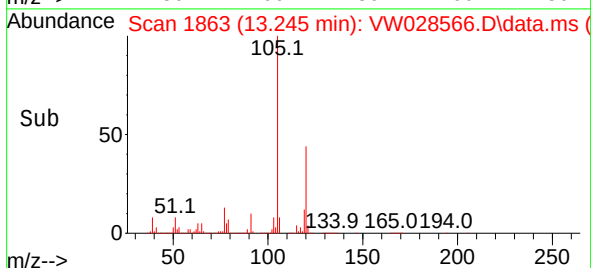
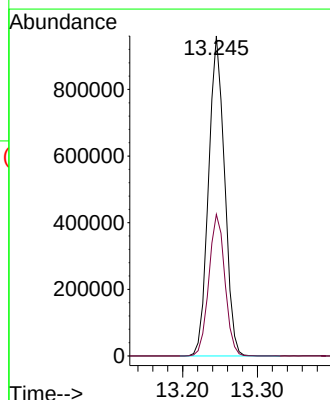
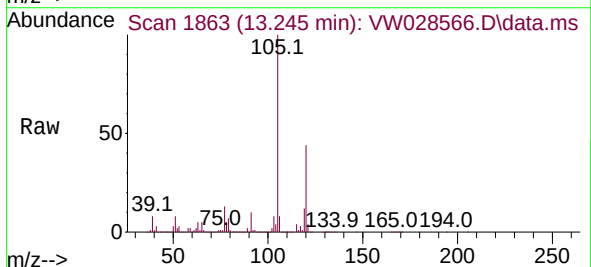
Instrument :
MSVOA_W
ClientSampleId :

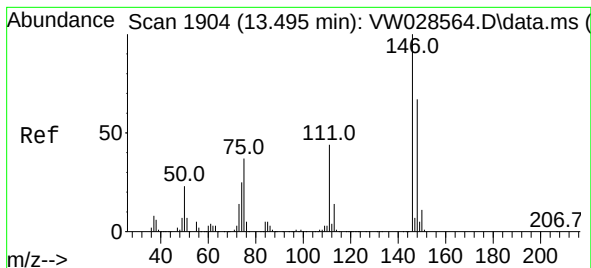
Tgt Ion:105 Resp: 1299488
Ion Ratio Lower Upper
105 100
120 48.2 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 111.750 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Tgt Ion:105 Resp: 1429935
Ion Ratio Lower Upper
105 100
120 44.2 34.1 51.1





#64

1,3-Dichlorobenzene

Concen: 103.552 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :

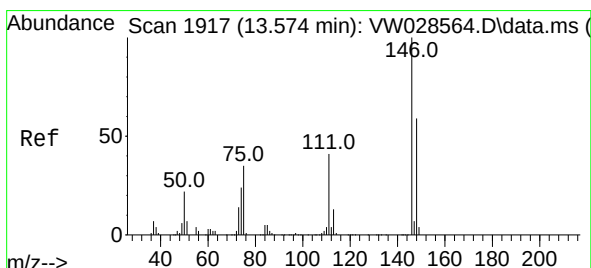
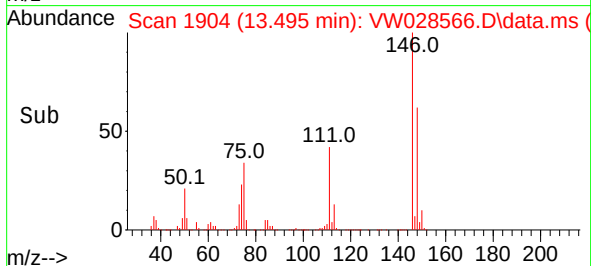
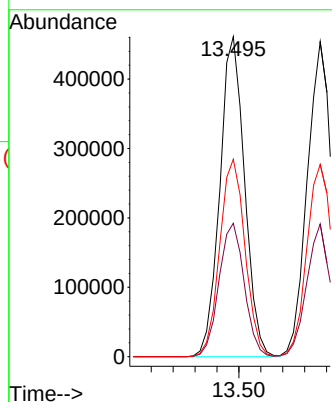
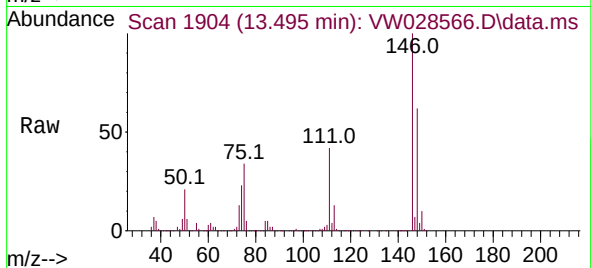
Tgt Ion:146 Resp: 723067

Ion Ratio Lower Upper

146 100

111 41.7 30.7 57.1

148 61.7 47.0 87.2



#65

1,4-Dichlorobenzene

Concen: 99.286 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

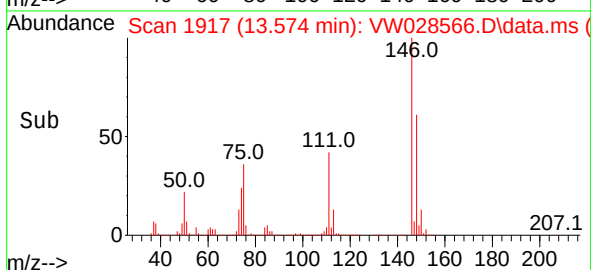
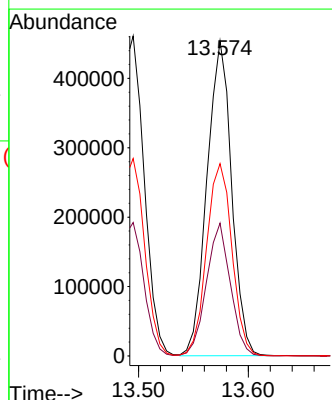
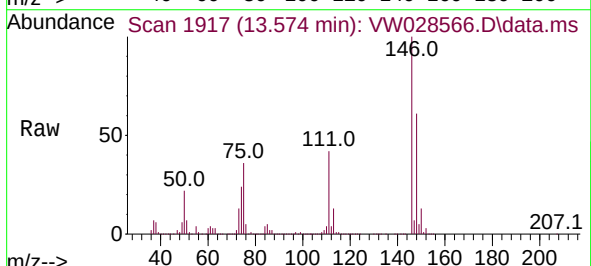
Tgt Ion:146 Resp: 708784

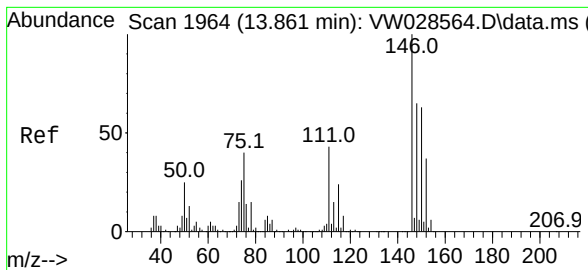
Ion Ratio Lower Upper

146 100

111 42.1 29.1 54.1

148 61.0 41.2 76.6

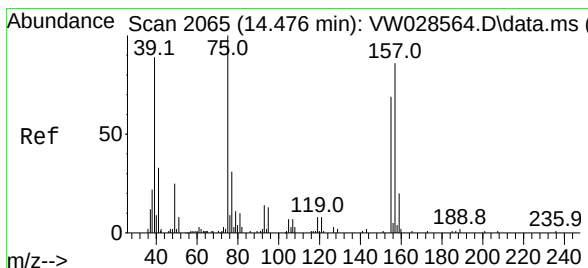
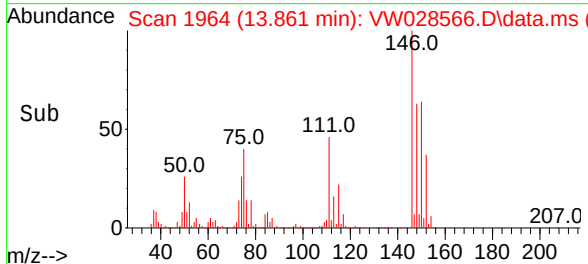
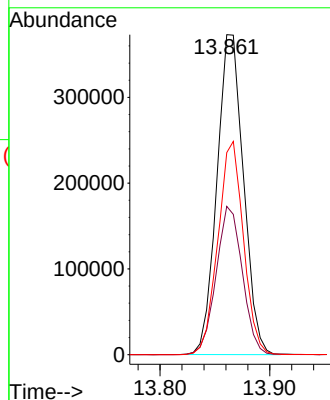
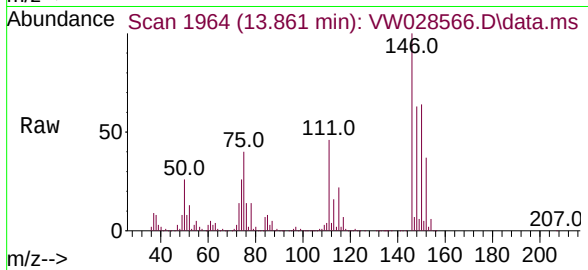




#67
1,2-Dichlorobenzene
Concen: 100.551 ug/L
RT: 13.861 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

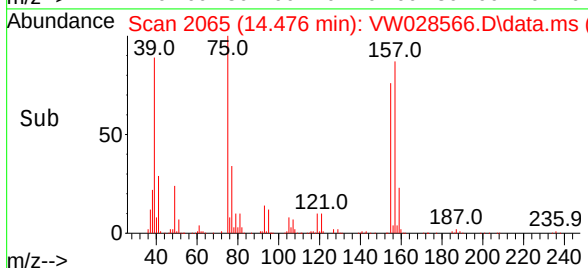
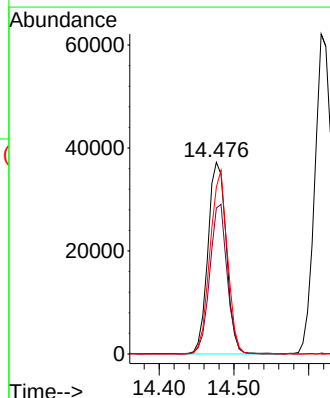
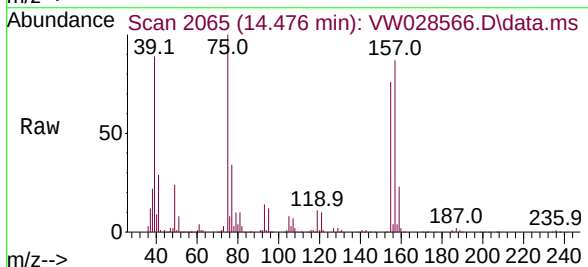
Instrument :
MSVOA_W
ClientSampleId :

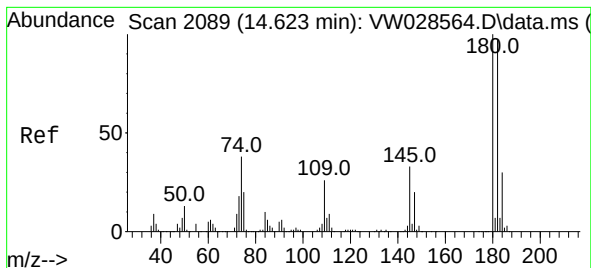
Tgt Ion:146 Resp: 628434
Ion Ratio Lower Upper
146 100
111 46.3 34.7 52.1
148 63.2 51.8 77.8



#68
1,2-Dibromo-3-chloropropane
Concen: 101.612 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW028566.D
Acq: 02 May 2024 11:48

Tgt Ion: 75 Resp: 63523
Ion Ratio Lower Upper
75 100
155 76.1 55.1 82.7
157 87.1 68.6 102.8





#69

1,3,5-Trichlorobenzene

Concen: 99.519 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

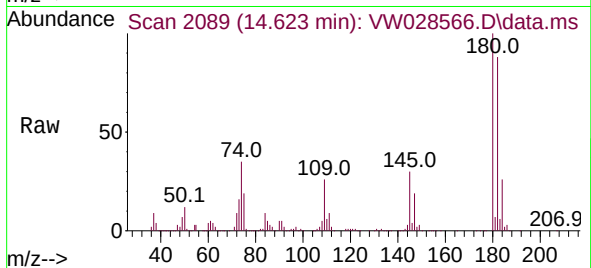
Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 466306

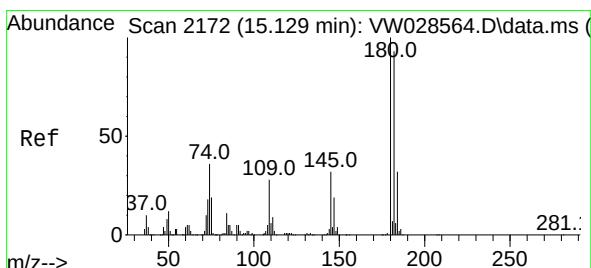
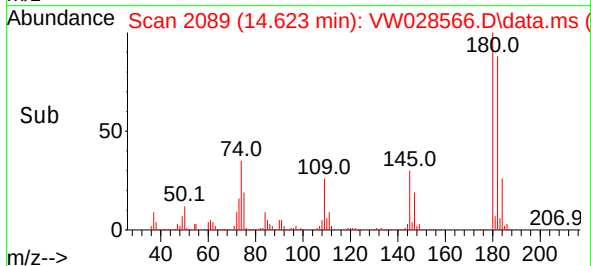
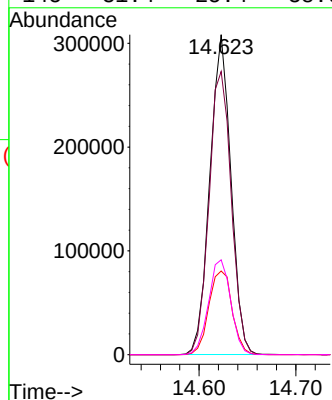
Ion Ratio Lower Upper

180 100

182 93.8 75.4 113.2

184 29.0 24.0 36.0

145 31.4 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 103.994 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

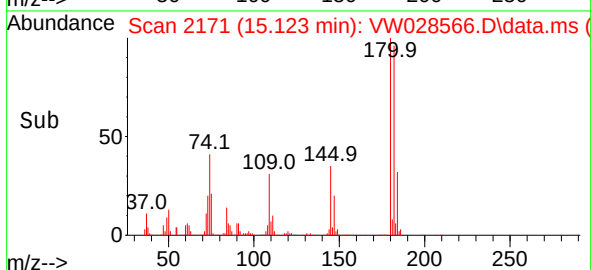
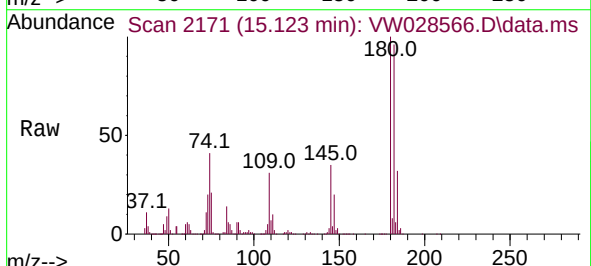
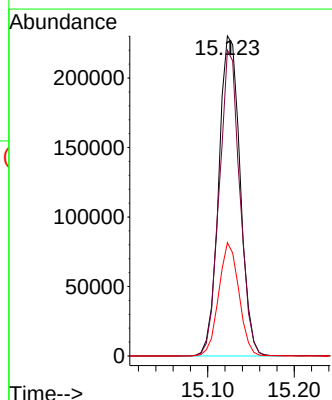
Tgt Ion:180 Resp: 393718

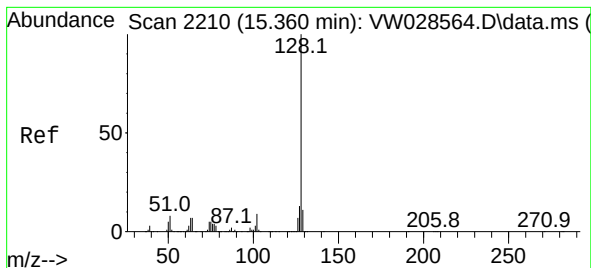
Ion Ratio Lower Upper

180 100

182 92.0 77.2 115.8

145 33.6 26.6 39.8





#71

Naphthalene

Concen: 115.615 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Instrument :

MSVOA_W

ClientSampleId :

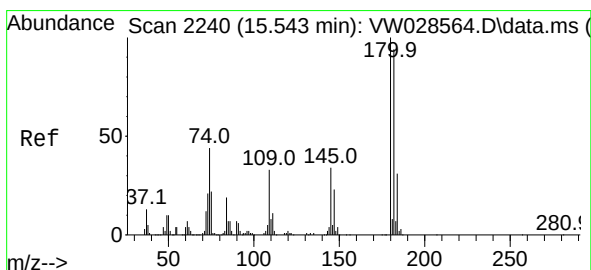
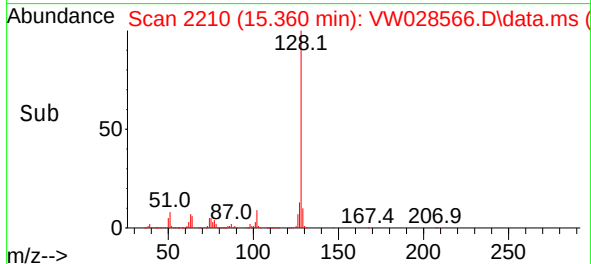
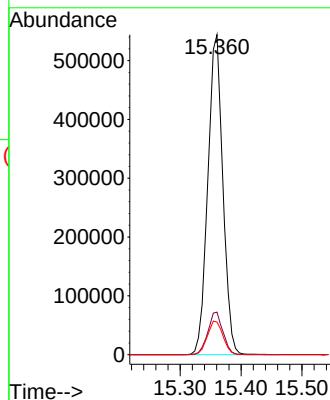
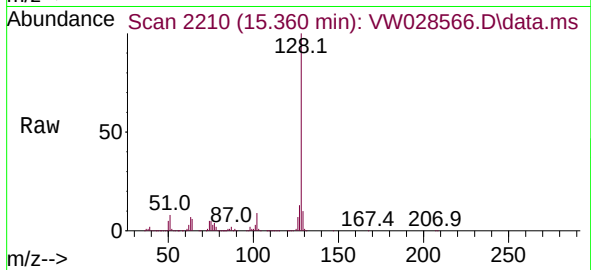
Tgt Ion:128 Resp: 932578

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 99.912 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW028566.D

Acq: 02 May 2024 11:48

Tgt Ion:180 Resp: 341326

Ion Ratio Lower Upper

180 100

182 98.3 76.1 114.1

145 33.9 28.3 42.5

