

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062824\
 Data File : VW029401.D
 Acq On : 28 Jun 2024 16:22
 Operator : SY/MD
 Sample : P3101-03MS
 Misc : 5.46g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 02:12:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jun 29 02:05:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	283700	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	222027	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	78556	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	72615	18.492	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.960%
7) Chloroethane-d5	2.899	69	63496	19.148	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	4.021	65	35831	18.899	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.600%
21) 2-Butanone-d5	7.075	46	57049	48.560	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.120%
24) Chloroform-d	7.648	84	182160	21.525	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.080%
26) 1,2-Dichloroethane-d4	8.307	65	104724	21.553	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	8.276	84	333921	24.761	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.040%
36) 1,2-Dichloropropane-d6	9.270	67	110376	25.747	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.000%
41) Toluene-d8	10.325	98	274077	22.971	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.880%
43) trans-1,3-Dichloroprop...	10.575	79	36404	21.073	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.280%
47) 2-Hexanone-d5	10.922	63	35755	53.205	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.420%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	80383	23.560	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.240%
66) 1,2-Dichlorobenzene-d4	13.849	152	61105	22.409	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	60893	22.000	ug/L	95
3) Chloromethane	2.223	50	81520	20.656	ug/L	100
5) Vinyl chloride	2.369	62	100577	22.192	ug/L	97
6) Bromomethane	2.790	94	51597	18.942	ug/L	99
8) Chloroethane	2.936	64	64820	23.383	ug/L	98
9) Trichlorofluoromethane	3.265	101	95991	27.319	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	78893	20.364	ug/L #	63
12) 1,1-Dichloroethene	4.039	96	80453	24.474	ug/L	87
13) Acetone	4.125	43	39160	39.223	ug/L	97
14) Carbon disulfide	4.387	76	210446	19.611	ug/L	100
15) Methyl Acetate	4.673	43	40111	20.237	ug/L	100
16) Methylene chloride	4.917	84	98843	19.814	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	84313	23.095	ug/L	91
18) Methyl tert-butyl Ether	5.423	73	172532	29.540	ug/L	99
19) 1,1-Dichloroethane	6.216	63	196816	24.962	ug/L	96
20) cis-1,2-Dichloroethene	7.173	96	98607	24.495	ug/L	97
22) 2-Butanone	7.167	43	63675	46.526	ug/L	97
23) Bromochloromethane	7.514	128	43057	24.026	ug/L	94
25) Chloroform	7.679	83	190735	24.773	ug/L	100

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 QLast Update : Sat Jun 29 02:05:50 2024
 Response via : Initial Calibration

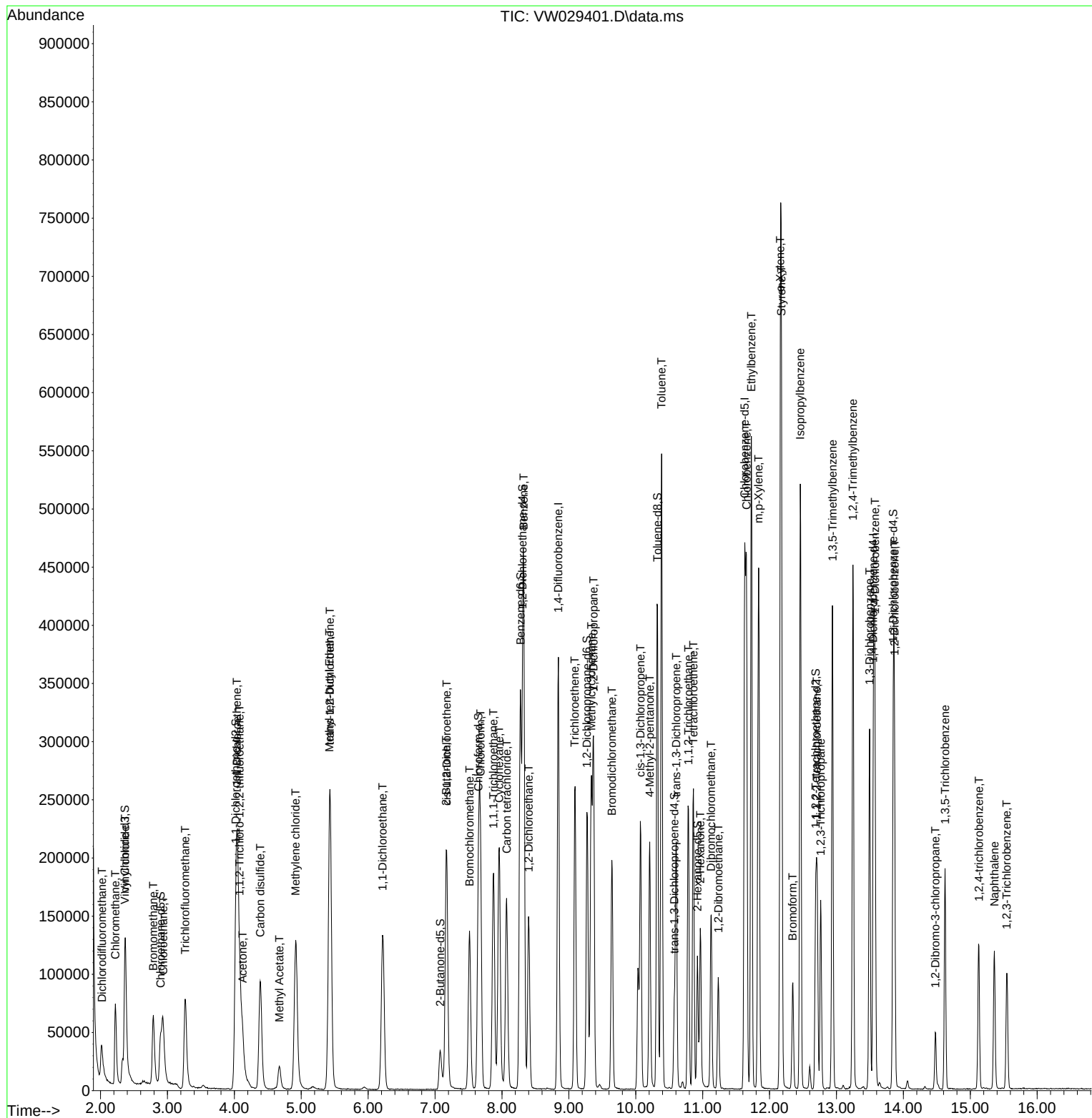
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	137357	24.190	ug/L	99
29) Cyclohexane	7.959	56	115817	22.818	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	148004	29.978	ug/L	96
31) Carbon tetrachloride	8.069	117	118795	26.340	ug/L	99
33) Benzene	8.325	78	383342	28.735	ug/L	100
34) Trichloroethene	9.087	95	93163	26.176	ug/L	99
35) Methylcyclohexane	9.337	83	95093	16.989	ug/L	99
37) 1,2-Dichloropropane	9.368	63	110414	29.455	ug/L	99
38) Bromodichloromethane	9.642	83	133482	29.124	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	127898	24.136	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	142314	61.252	ug/L	99
42) Toluene	10.386	91	375484	27.379	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	111731	24.971	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	74739	28.627	ug/L	97
46) Tetrachloroethene	10.861	164	54273	21.814	ug/L	89
48) 2-Hexanone	10.965	43	90988	55.190	ug/L	99
49) Dibromochloromethane	11.123	129	77230	28.298	ug/L	91
50) 1,2-Dibromoethane	11.233	107	62377	26.616	ug/L #	95
51) Chlorobenzene	11.654	112	208954	23.462	ug/L	95
52) Ethylbenzene	11.727	91	370638	23.808	ug/L	95
53) m,p-Xylene	11.837	106	136335	23.976	ug/L	99
54) o-Xylene	12.160	106	131322	24.710	ug/L	93
55) Styrene	12.178	104	214766	23.178	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.709	83	83663	25.906	ug/L	94
59) Bromoform	12.343	173	39418	36.611	ug/L	99
60) Isopropylbenzene	12.459	105	319786	30.551	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	64840	37.842	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	210913	27.822	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	232556	28.512	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	112131	24.754	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	119797	24.857	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	100472	23.993	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.476	75	12845	32.124	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	50718	16.590	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	36614	14.774	ug/L	98
71) Naphthalene	15.360	128	96603	19.750	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	31694	14.036	ug/L	93

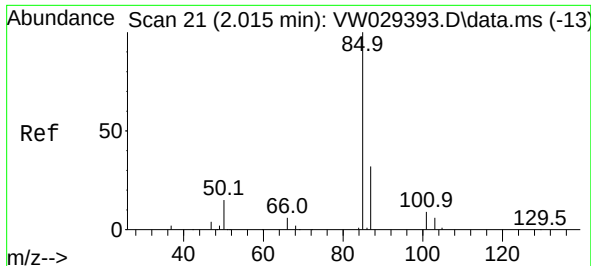
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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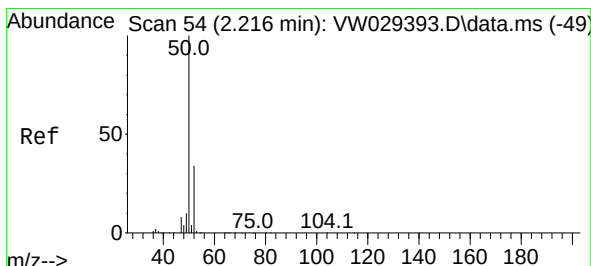
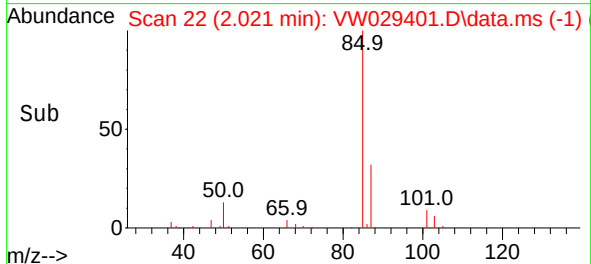
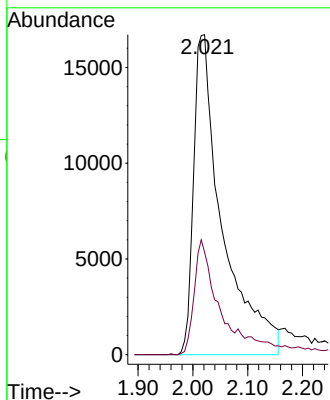
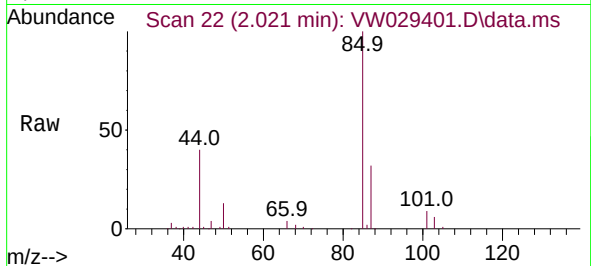




#2
Dichlorodifluoromethane
Concen: 22.000 ug/L
RT: 2.021 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

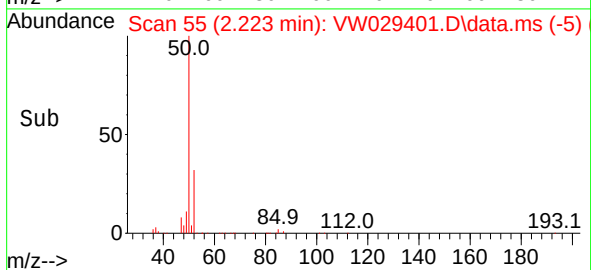
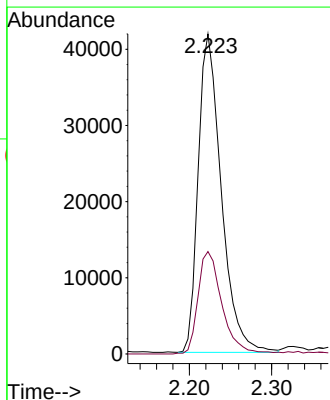
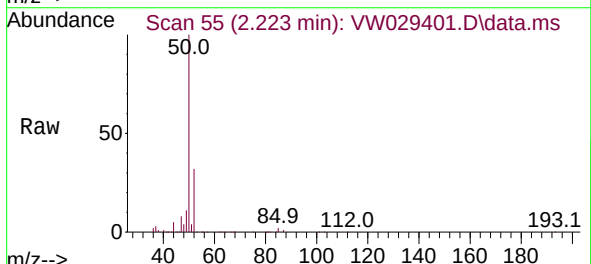
Instrument :
MSVOA_W
ClientSampleId :

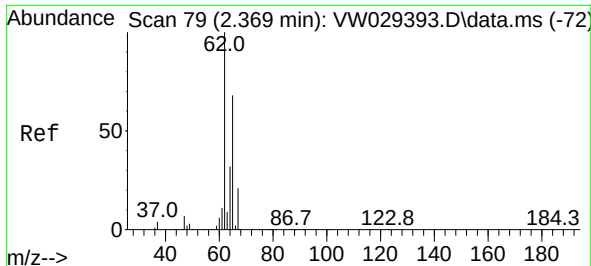
Tgt Ion: 85 Resp: 60893
Ion Ratio Lower Upper
85 100
87 26.8 23.8 35.6



#3
Chloromethane
Concen: 20.656 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.006 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion: 50 Resp: 81520
Ion Ratio Lower Upper
50 100
52 32.0 22.3 41.5

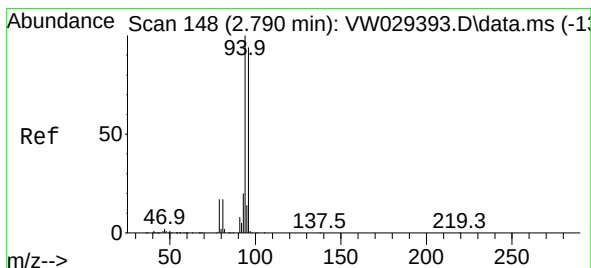
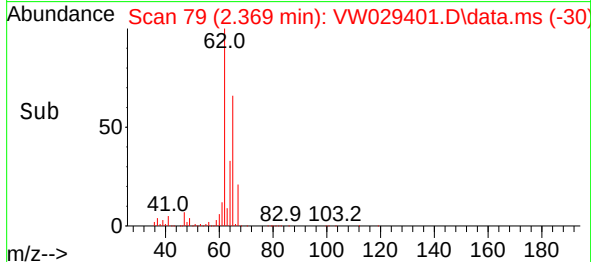
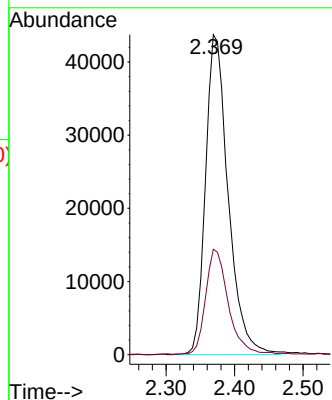
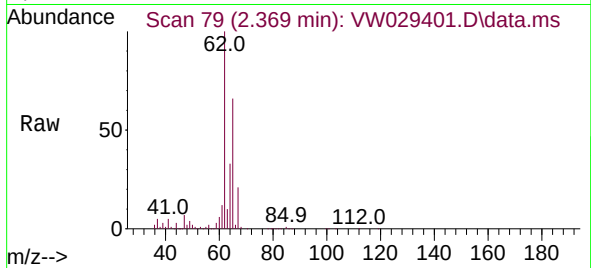




#5
 Vinyl chloride
 Concen: 22.192 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VW029401.D
 Acq: 28 Jun 2024 16:22

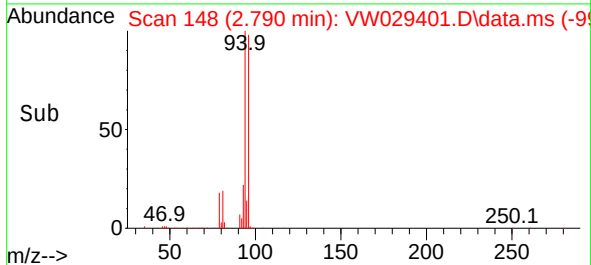
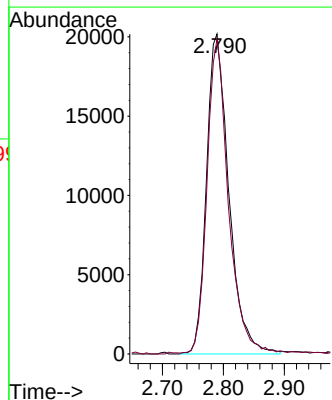
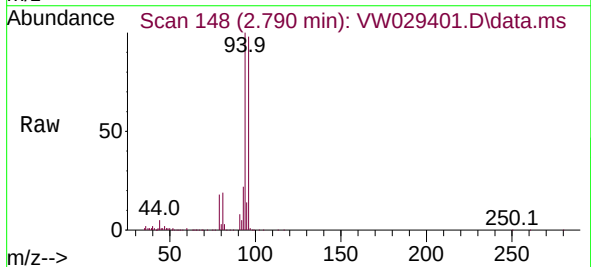
Instrument :
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 ClientSampleId :

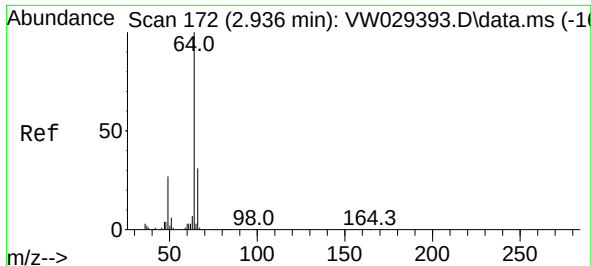
Tgt Ion: 62 Resp: 100577
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.0 40.8



#6
 Bromomethane
 Concen: 18.942 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW029401.D
 Acq: 28 Jun 2024 16:22

Tgt Ion: 94 Resp: 51597
 Ion Ratio Lower Upper
 94 100
 96 98.4 69.5 129.1

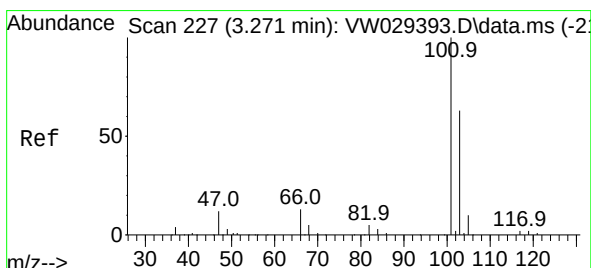
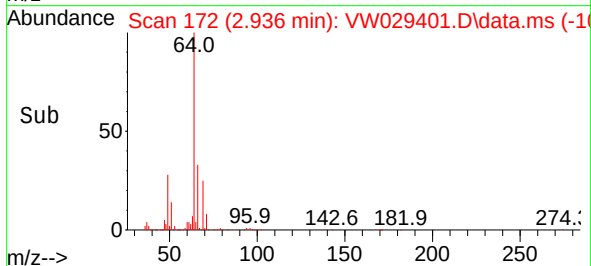
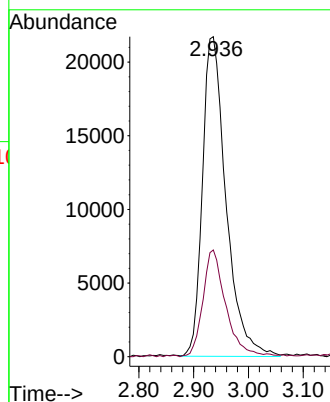
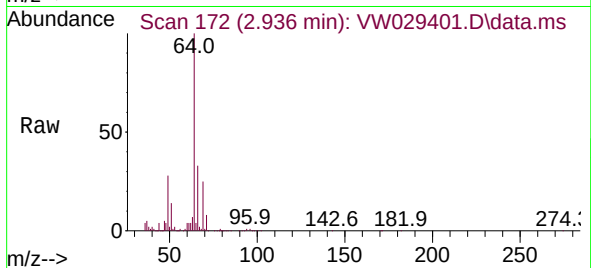




#8
Chloroethane
Concen: 23.383 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

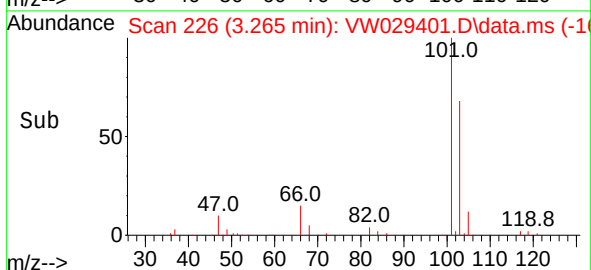
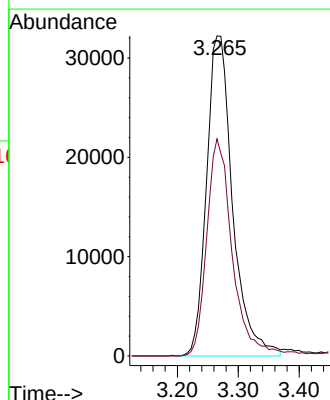
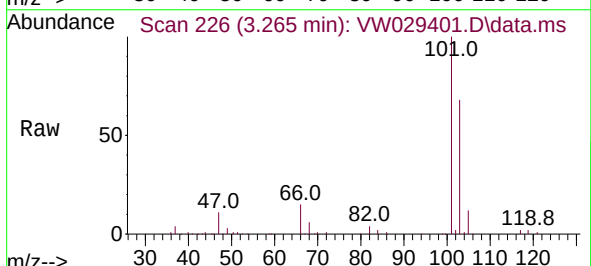
Instrument :
MSVOA_W
ClientSampleId :

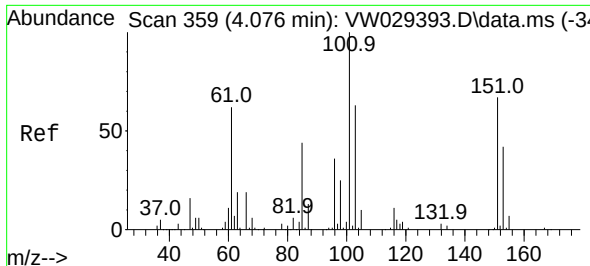
Tgt Ion: 64 Resp: 64820
Ion Ratio Lower Upper
64 100
66 33.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 27.319 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion:101 Resp: 95991
Ion Ratio Lower Upper
101 100
103 65.1 50.8 76.2





#10

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

Concen: 20.364 ug/L

RT: 4.076 min Scan# 359

Delta R.T. 0.000 min

Lab File: VW029401.D

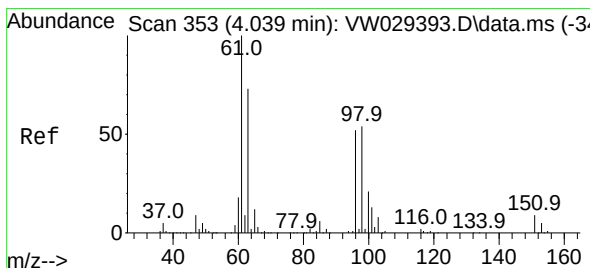
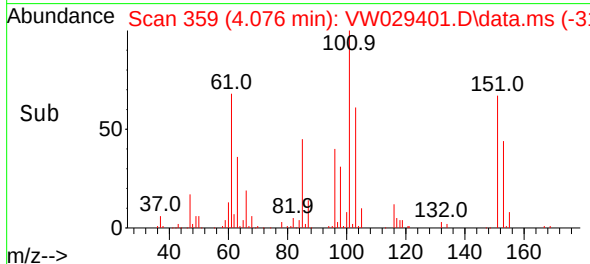
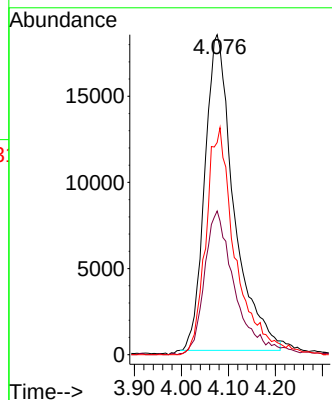
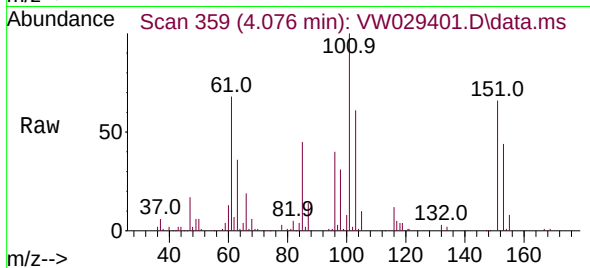
Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:101	Resp:	78893
Ion Ratio	Lower	Upper
101	100	
85	44.6	30.2 45.2
151	24.6	52.2 78.4#



#12

1,1-Dichloroethene

Concen: 24.474 ug/L

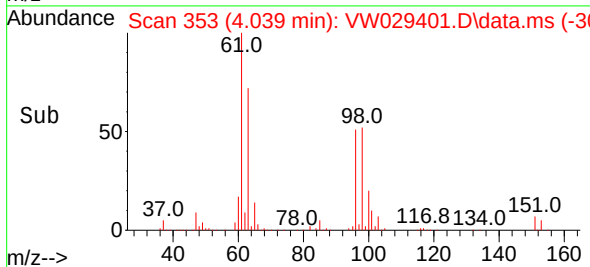
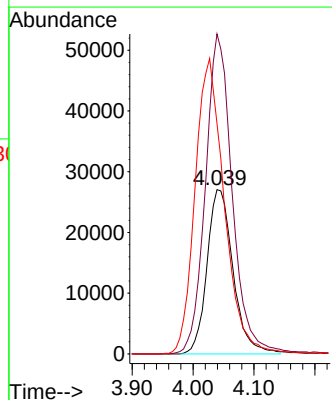
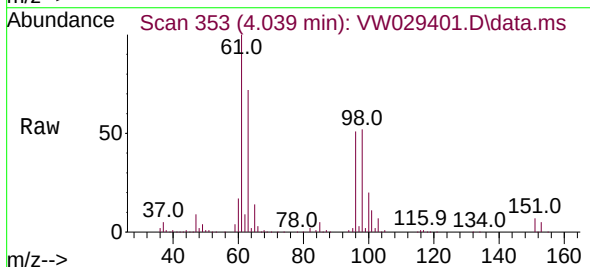
RT: 4.039 min Scan# 353

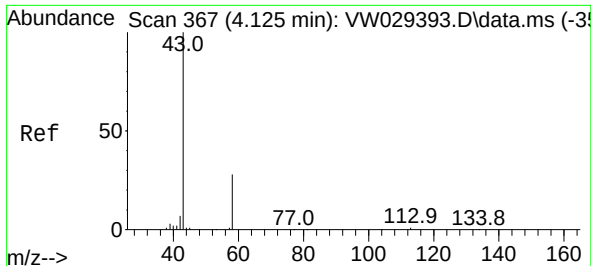
Delta R.T. 0.000 min

Lab File: VW029401.D

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Tgt Ion: 96	Resp:	80453
Ion Ratio	Lower	Upper
96	100	
61	194.7	140.1 260.3
63	140.2	122.0 226.6

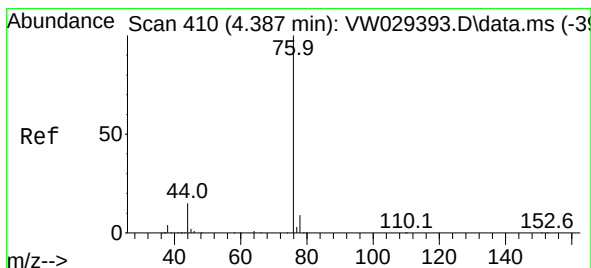
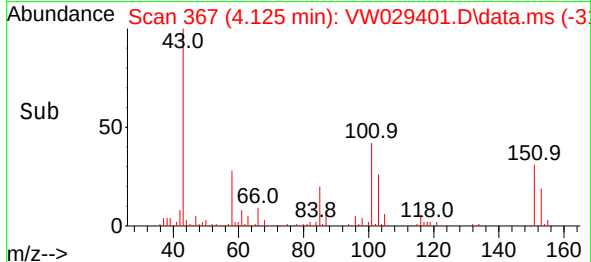
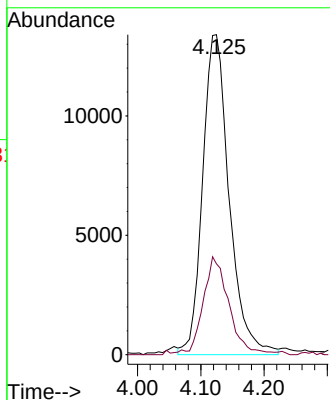
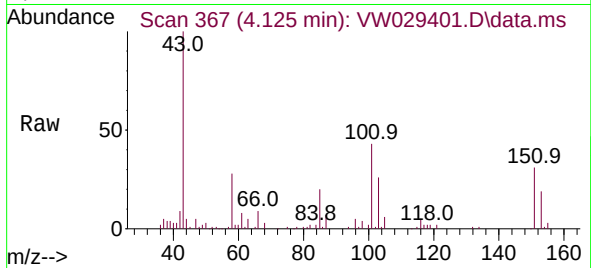




#13
Acetone
Concen: 39.223 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

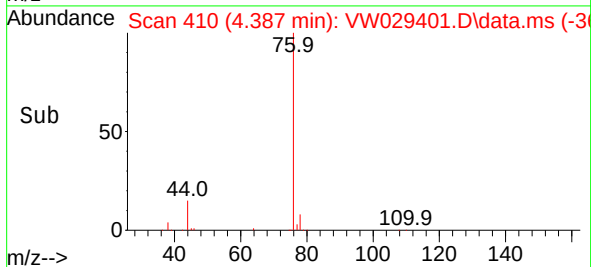
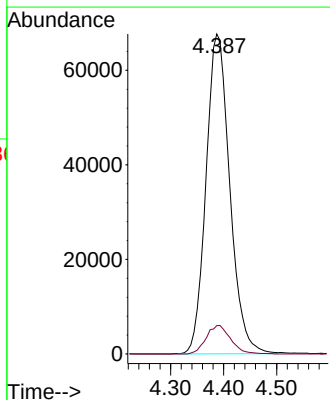
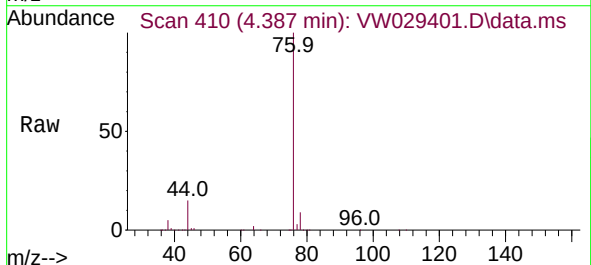
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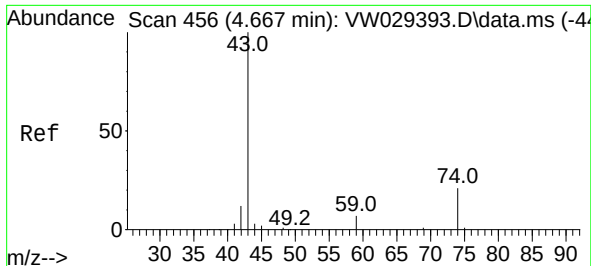
Tgt Ion: 43 Resp: 39160
Ion Ratio Lower Upper
43 100
58 29.2 0.0 61.4



#14
Carbon disulfide
Concen: 19.611 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 210446
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 20.237 ug/L

RT: 4.673 min Scan# 4

Delta R.T. 0.006 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

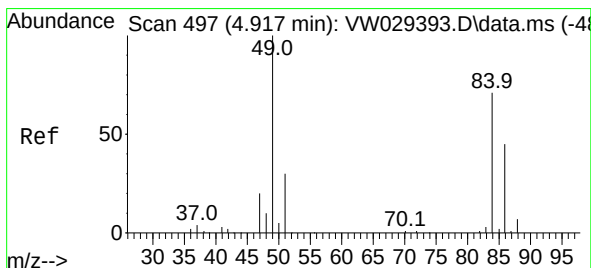
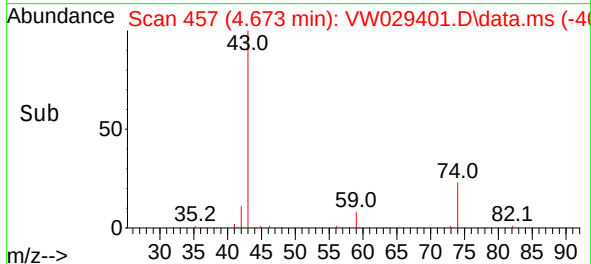
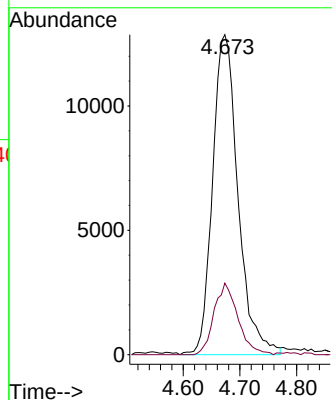
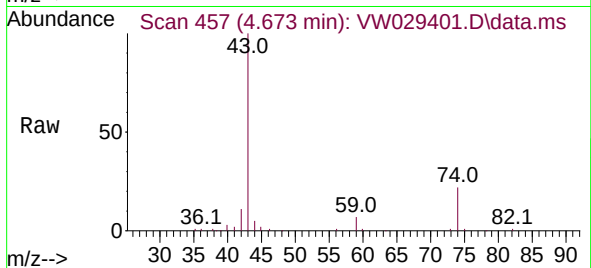
ClientSampleId :

Tgt Ion: 43 Resp: 40111

Ion Ratio Lower Upper

43 100

74 20.9 16.6 25.0



#16

Methylene chloride

Concen: 19.814 ug/L

RT: 4.917 min Scan# 497

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

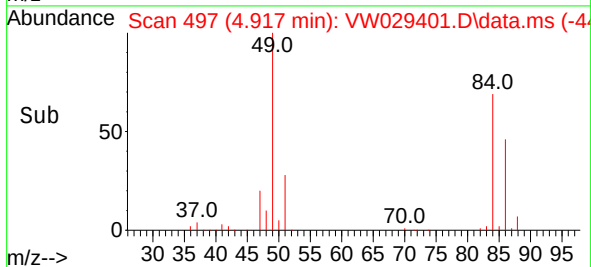
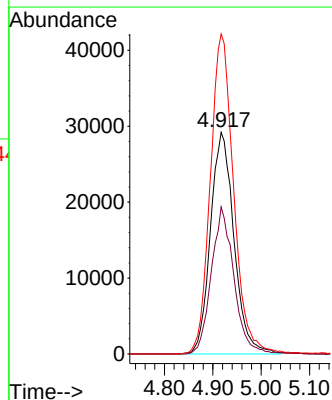
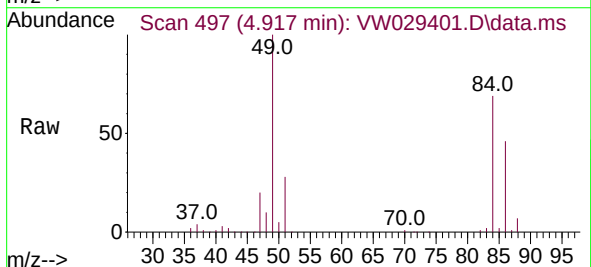
Tgt Ion: 84 Resp: 98843

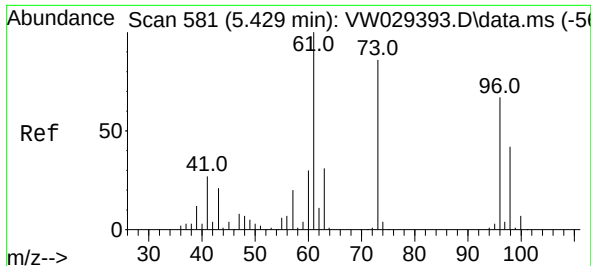
Ion Ratio Lower Upper

84 100

86 66.4 41.4 77.0

49 144.4 95.7 177.7





#17

trans-1,2-Dichloroethene

Concen: 23.095 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

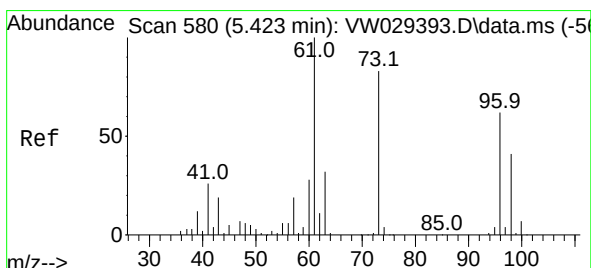
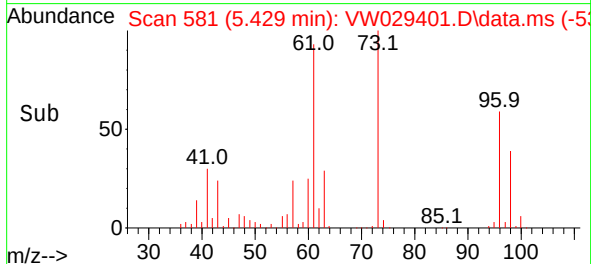
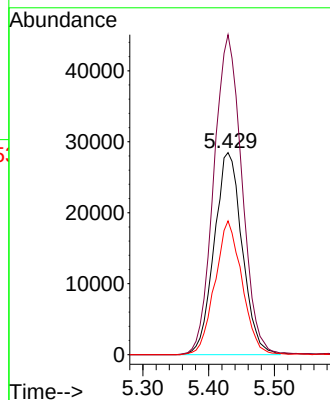
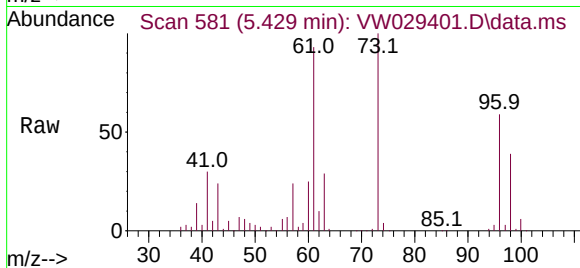
Tgt Ion: 96 Resp: 84313

Ion Ratio Lower Upper

96 100

61 158.4 101.5 188.5

98 66.2 43.3 80.3



#18

Methyl tert-butyl Ether

Concen: 29.540 ug/L

RT: 5.423 min Scan# 580

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

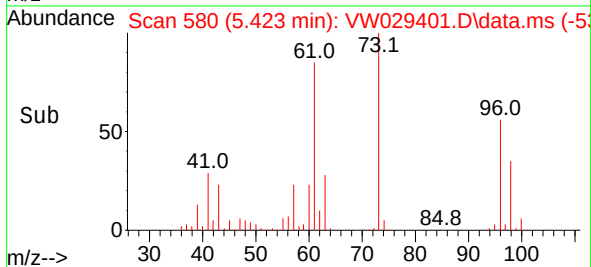
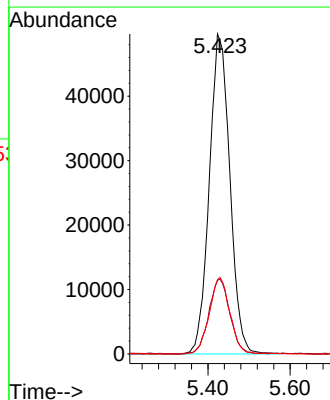
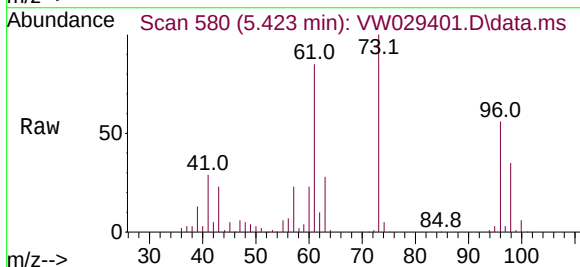
Tgt Ion: 73 Resp: 172532

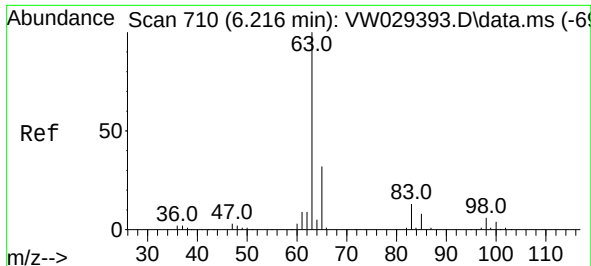
Ion Ratio Lower Upper

73 100

43 24.0 19.5 29.3

57 23.7 18.4 27.6





#19

1,1-Dichloroethane

Concen: 24.962 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

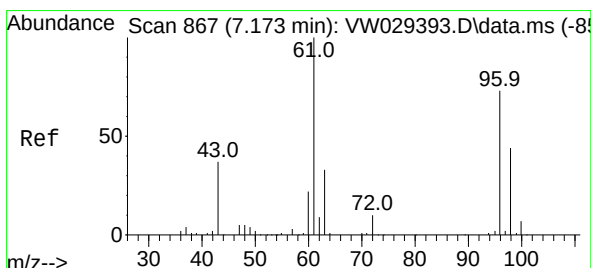
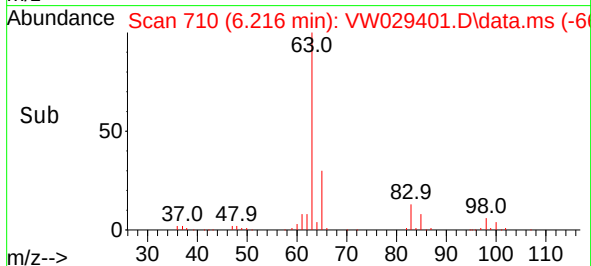
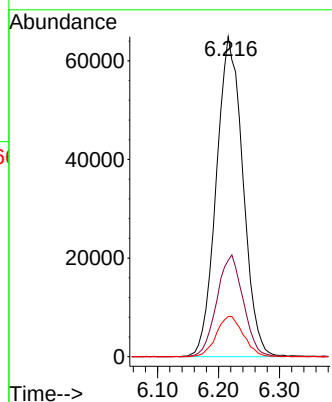
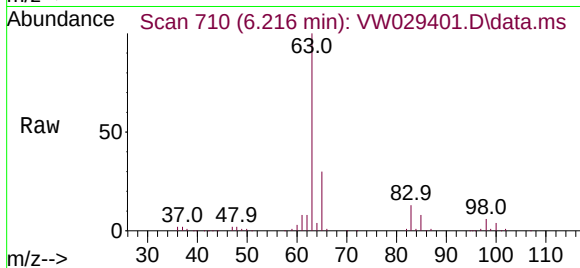
Tgt Ion: 63 Resp: 196816

Ion Ratio Lower Upper

63 100

65 30.1 23.4 43.4

83 12.5 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 24.495 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

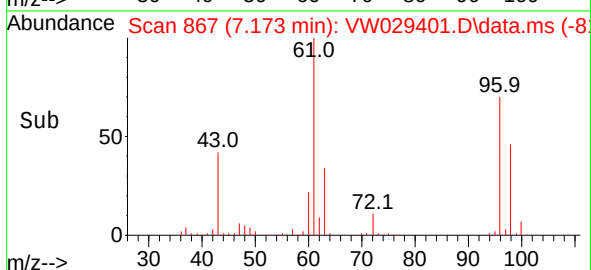
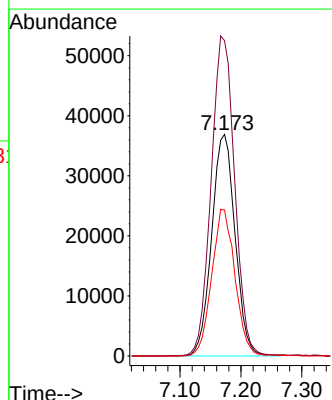
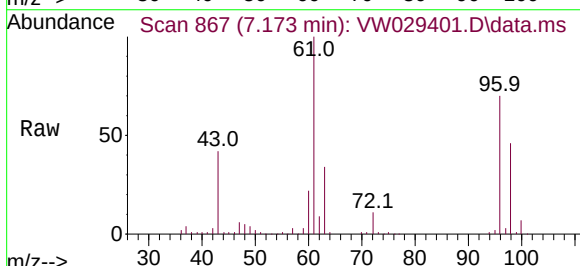
Tgt Ion: 96 Resp: 98607

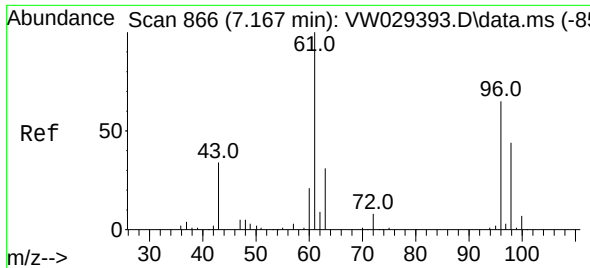
Ion Ratio Lower Upper

96 100

61 142.4 97.8 181.6

98 65.9 43.0 79.8

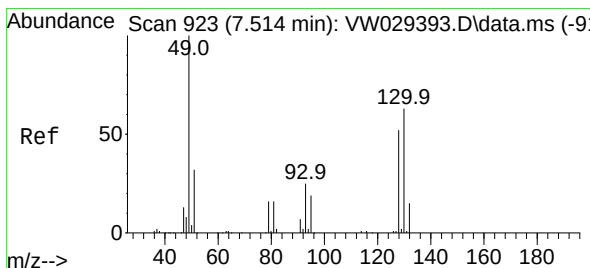
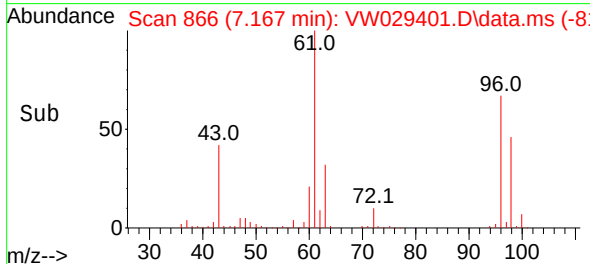
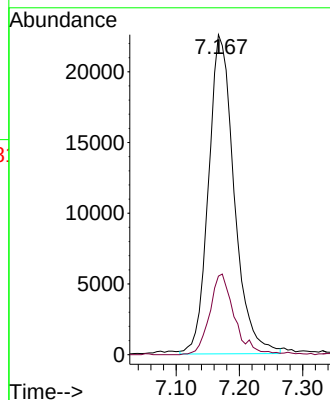
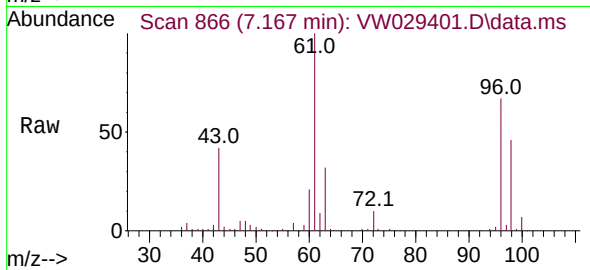




#22
2-Butanone
Concen: 46.526 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

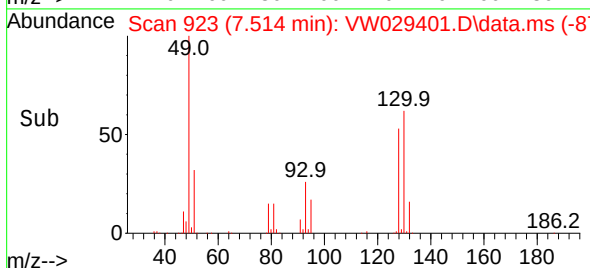
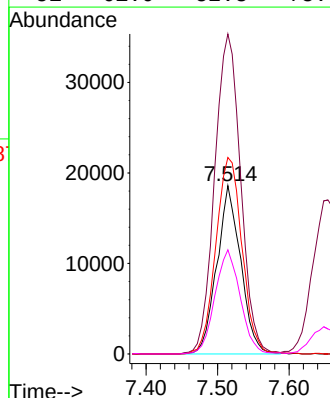
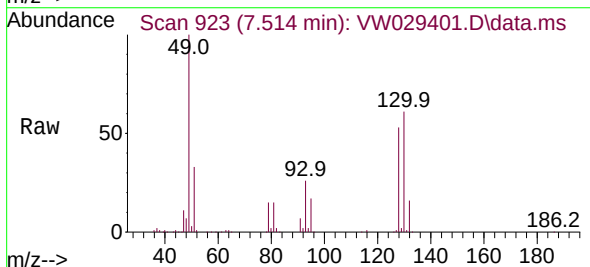
Instrument :
MSVOA_W
ClientSampleId :

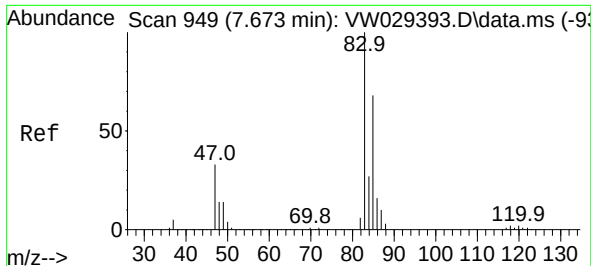
Tgt Ion: 43 Resp: 63675
Ion Ratio Lower Upper
43 100
72 22.5 11.9 35.7



#23
Bromochloromethane
Concen: 24.026 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion:128 Resp: 43057
Ion Ratio Lower Upper
128 100
49 190.1 142.6 264.8
130 116.7 79.7 148.1
51 61.9 52.3 78.5

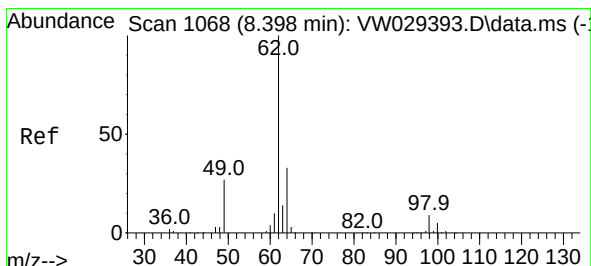
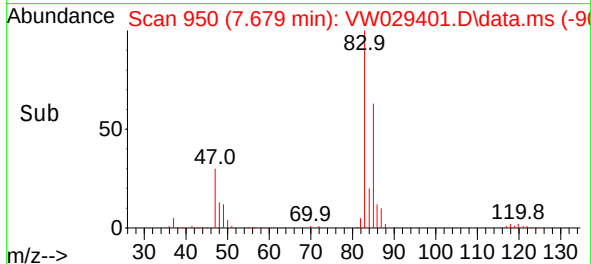
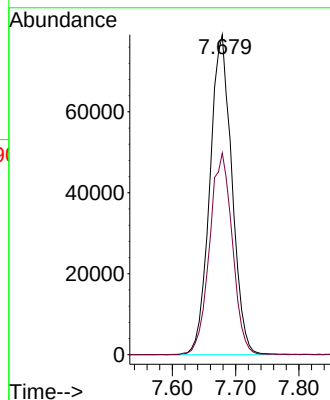
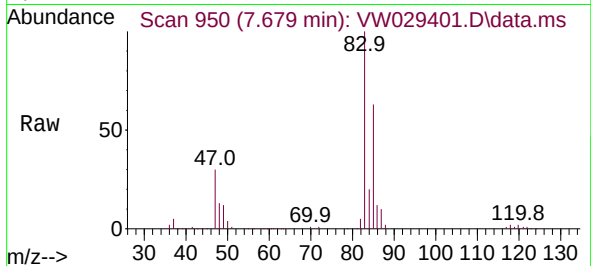




#25
Chloroform
Concen: 24.773 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

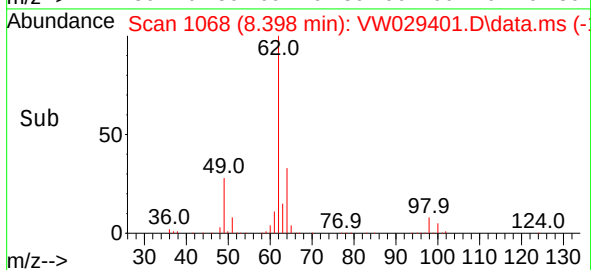
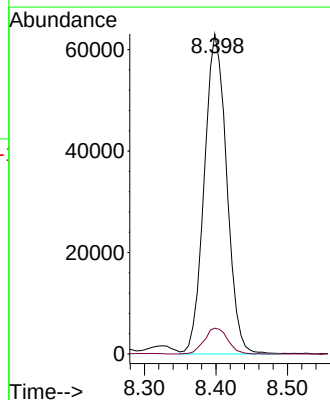
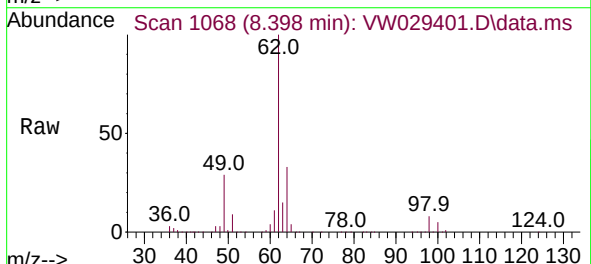
Instrument :
MSVOA_W
ClientSampleId :

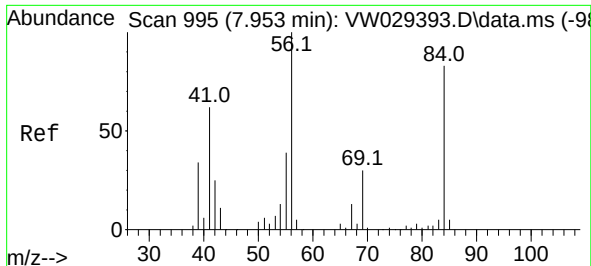
Tgt Ion: 83 Resp: 190735
Ion Ratio Lower Upper
83 100
85 63.0 44.4 82.4



#27
1,2-Dichloroethane
Concen: 24.190 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion: 62 Resp: 137357
Ion Ratio Lower Upper
62 100
98 8.0 6.6 10.0





#29

Cyclohexane

Concen: 22.818 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

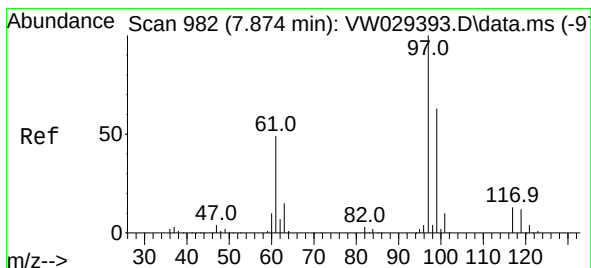
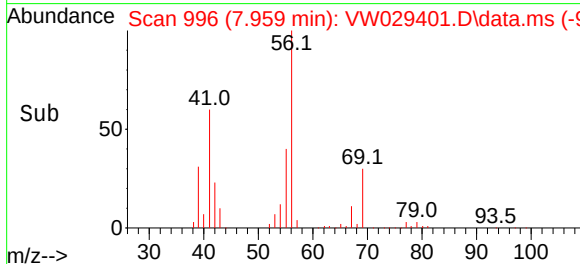
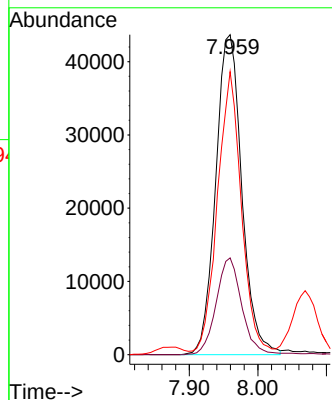
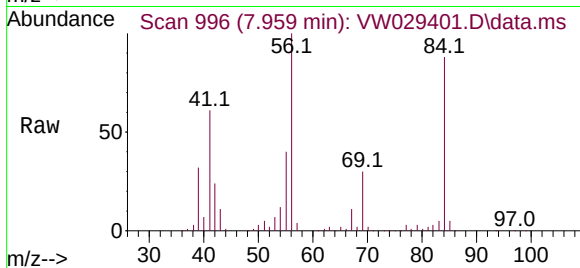
Tgt Ion: 56 Resp: 115817

Ion Ratio Lower Upper

56 100

69 29.4 23.4 35.0

84 79.1 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 29.978 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

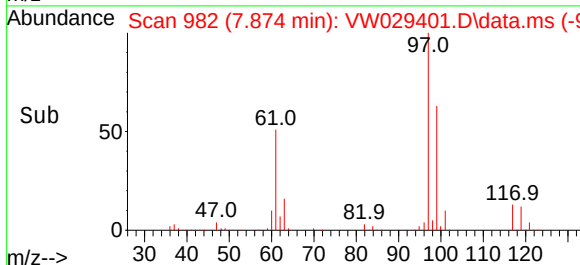
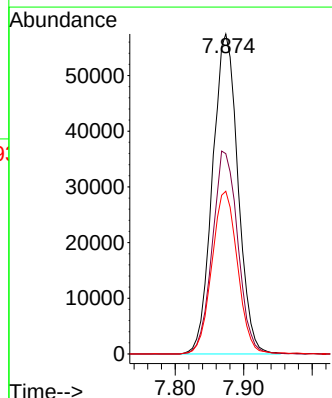
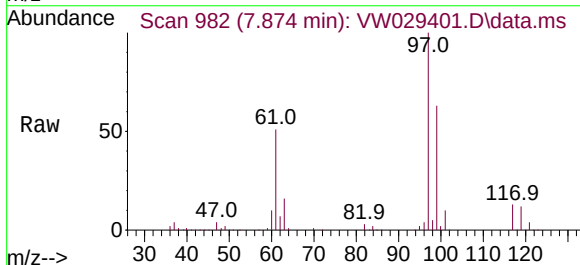
Tgt Ion: 97 Resp: 148004

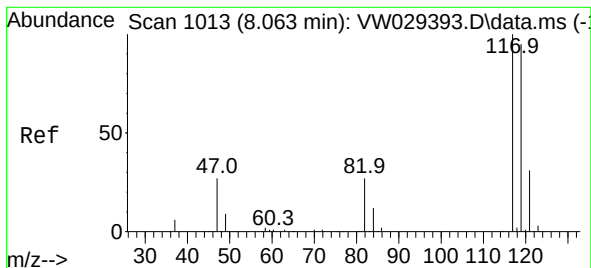
Ion Ratio Lower Upper

97 100

99 63.4 53.0 79.4

61 51.2 43.0 64.4





#31

Carbon tetrachloride

Concen: 26.340 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

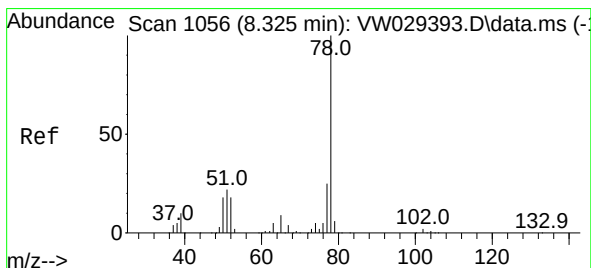
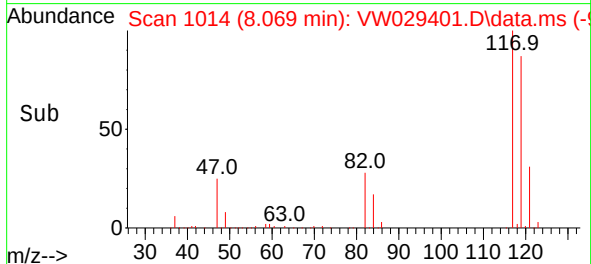
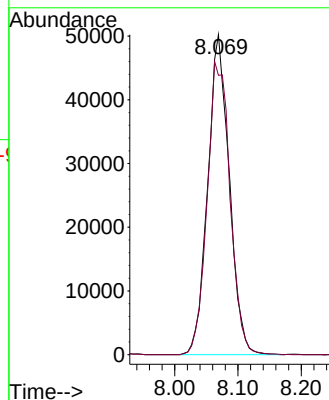
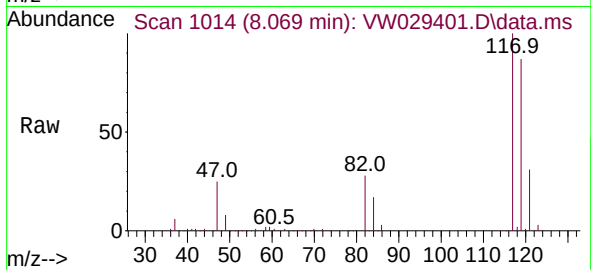
ClientSampleId :

Tgt Ion:117 Resp: 118795

Ion Ratio Lower Upper

117 100

119 97.6 79.0 118.4



#33

Benzene

Concen: 28.735 ug/L

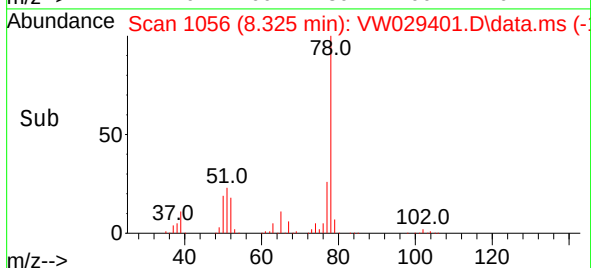
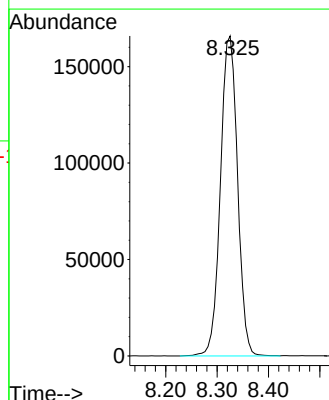
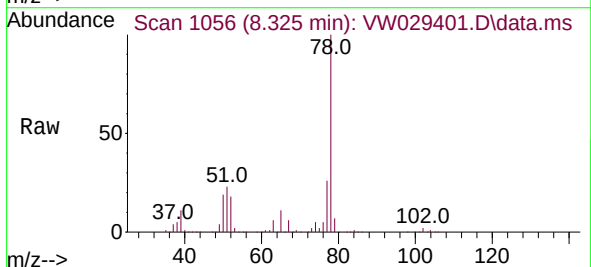
RT: 8.325 min Scan# 1056

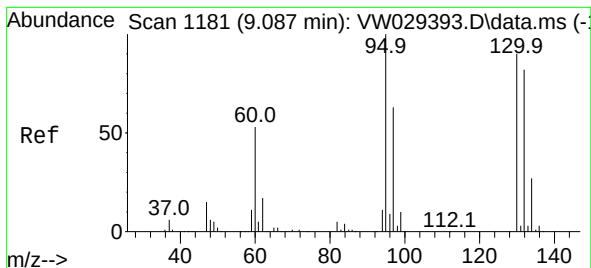
Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Tgt Ion: 78 Resp: 383342





#34

Trichloroethene

Concen: 26.176 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. 0.000 min

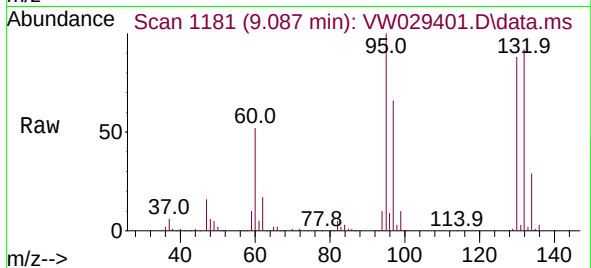
Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 93163

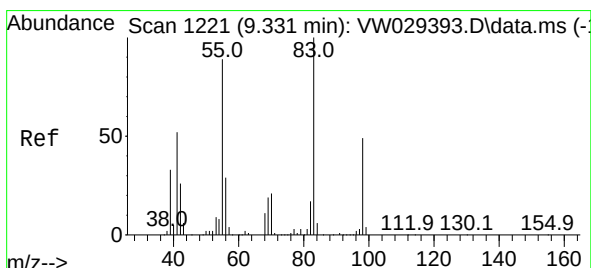
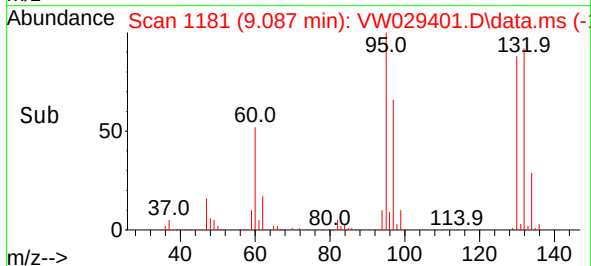
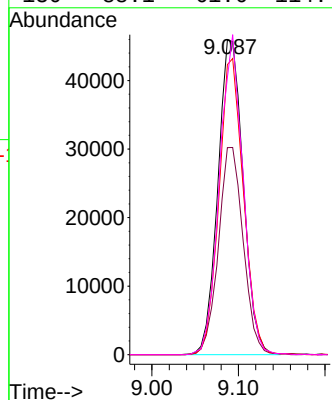
Ion Ratio Lower Upper

95 100

97 65.8 45.7 84.9

132 92.2 66.4 123.4

130 88.1 61.6 114.4



#35

Methylcyclohexane

Concen: 16.989 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

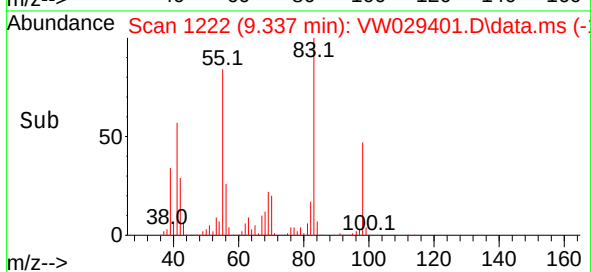
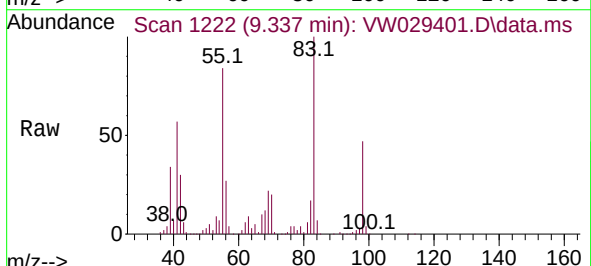
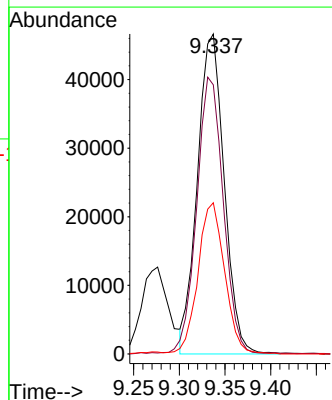
Tgt Ion: 83 Resp: 95093

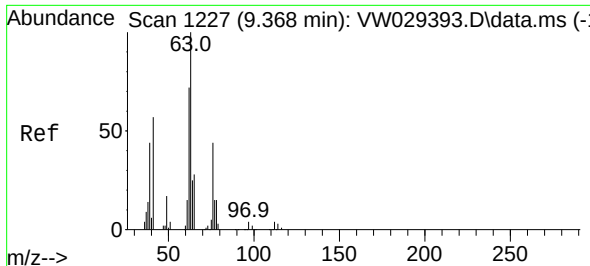
Ion Ratio Lower Upper

83 100

55 85.7 69.5 104.3

98 47.1 38.0 57.0





#37

1,2-Dichloropropane

Concen: 29.455 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

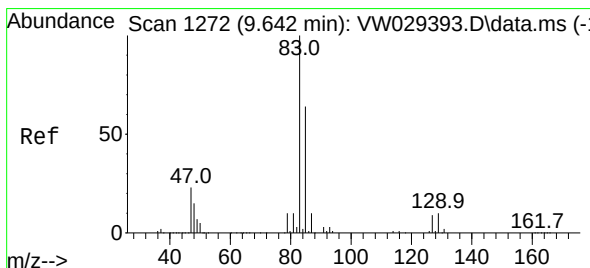
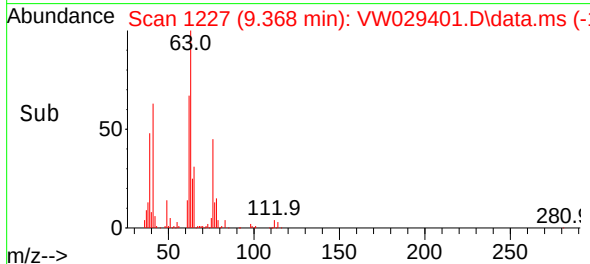
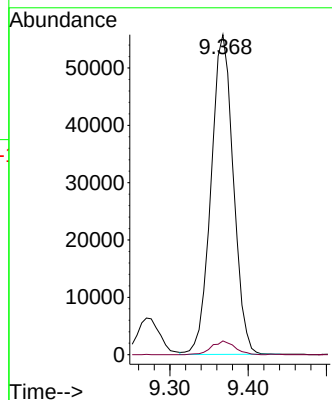
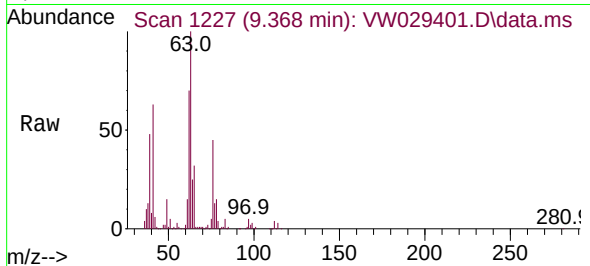
ClientSampleId :

Tgt Ion: 63 Resp: 110414

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 29.124 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

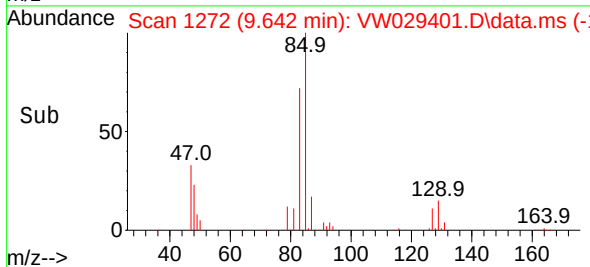
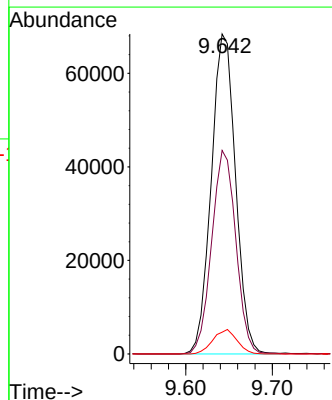
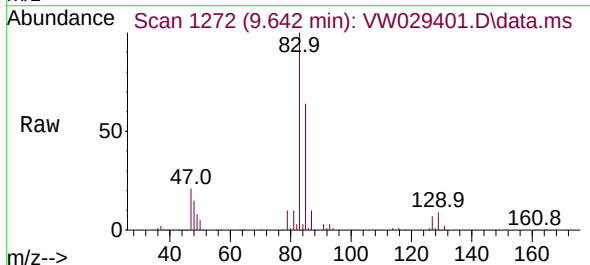
Tgt Ion: 83 Resp: 133482

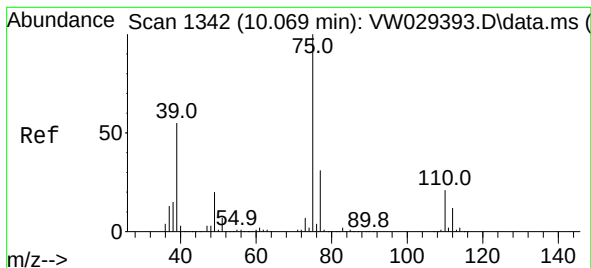
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

127 6.8 5.8 8.6

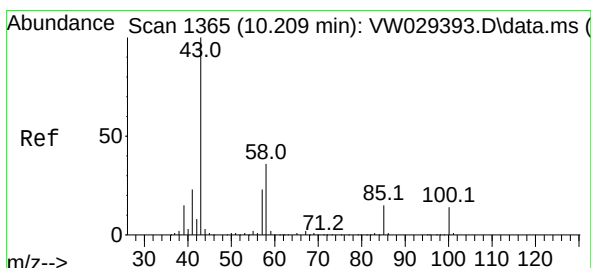
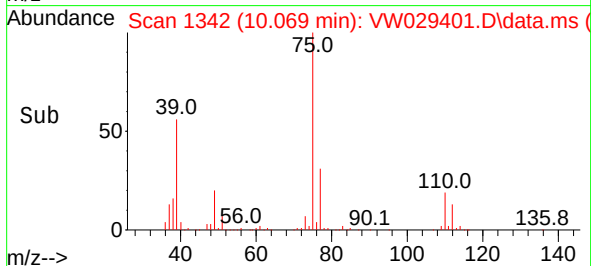
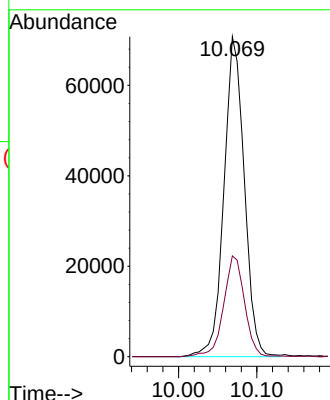
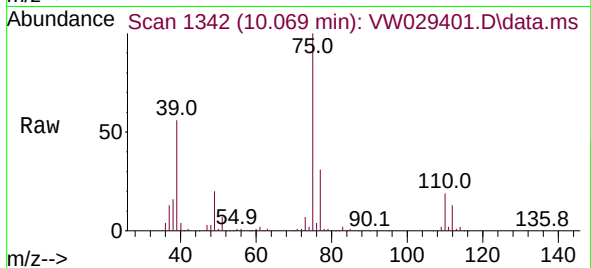




#39
cis-1,3-Dichloropropene
Concen: 24.136 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

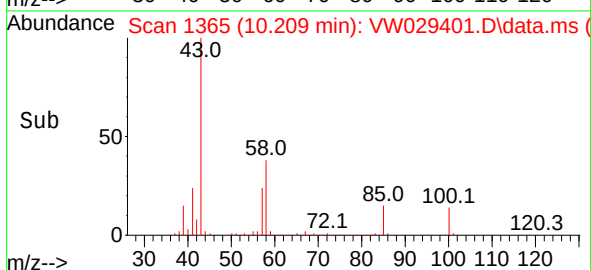
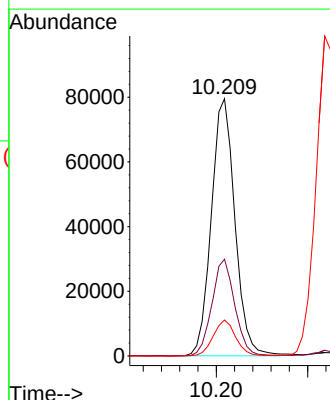
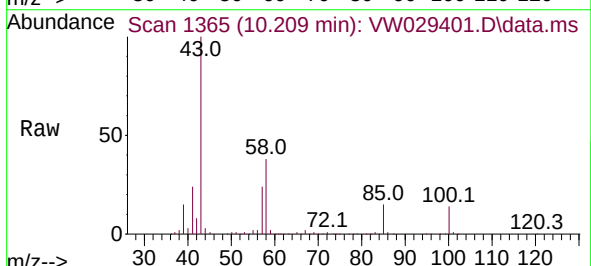
Instrument :
MSVOA_W
ClientSampleId :

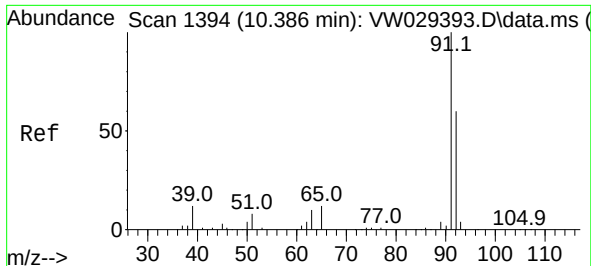
Tgt Ion: 75 Resp: 127898
Ion Ratio Lower Upper
75 100
77 31.5 22.7 42.1



#40
4-Methyl-2-pentanone
Concen: 61.252 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion: 43 Resp: 142314
Ion Ratio Lower Upper
43 100
58 36.1 28.2 42.4
100 13.5 11.0 16.4

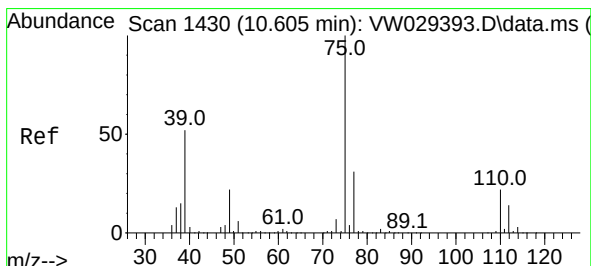
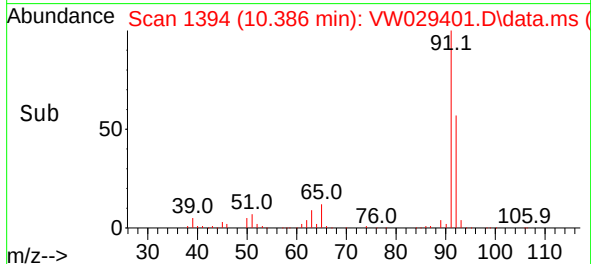
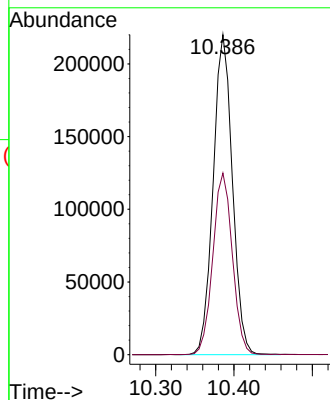
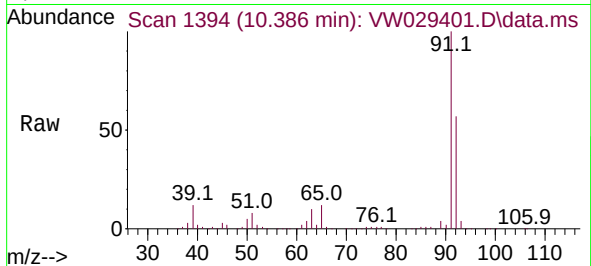




#42
Toluene
Concen: 27.379 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

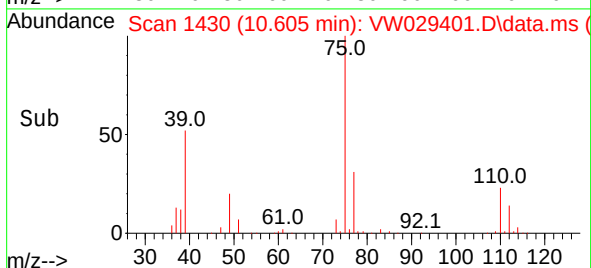
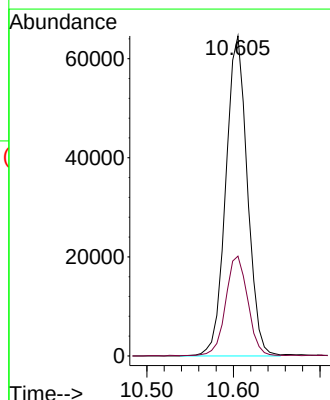
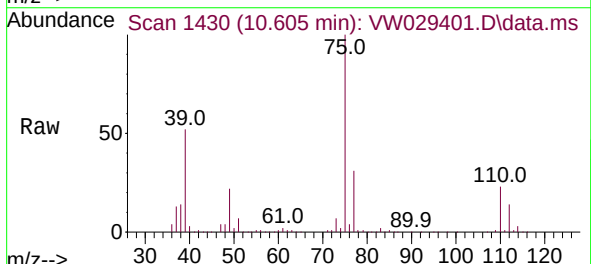
Instrument :
MSVOA_W
ClientSampleId :

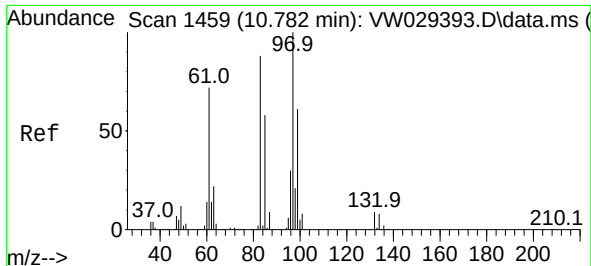
Tgt Ion: 91 Resp: 375484
Ion Ratio Lower Upper
91 100
92 56.7 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 24.971 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion: 75 Resp: 111731
Ion Ratio Lower Upper
75 100
77 31.2 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 28.627 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 74739

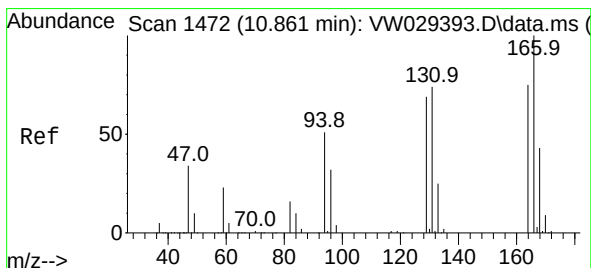
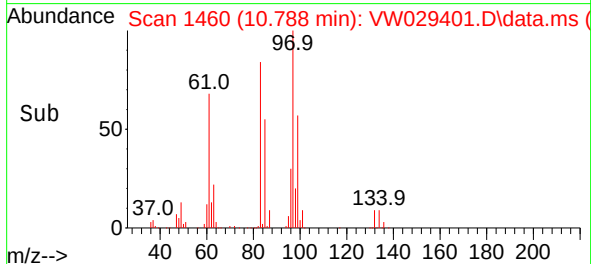
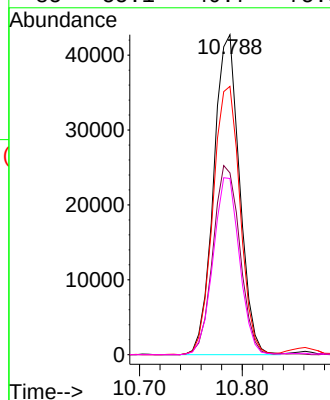
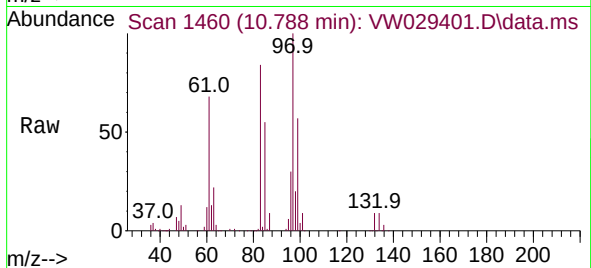
Ion Ratio Lower Upper

97 100

99 56.8 42.3 78.5

83 83.9 57.7 107.1

85 55.1 40.7 75.5



#46

Tetrachloroethene

Concen: 21.814 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Tgt Ion:164 Resp: 54273

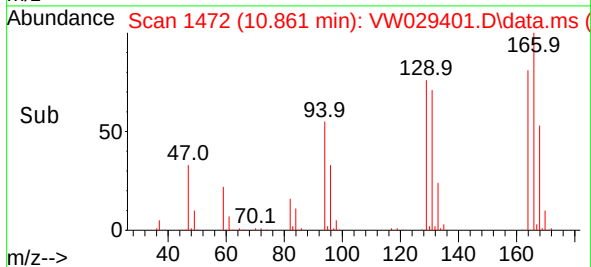
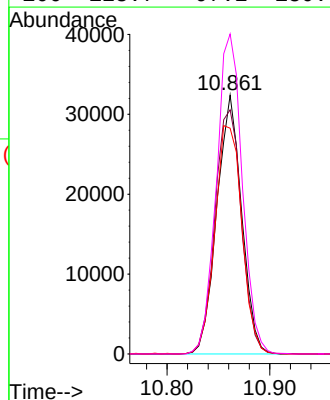
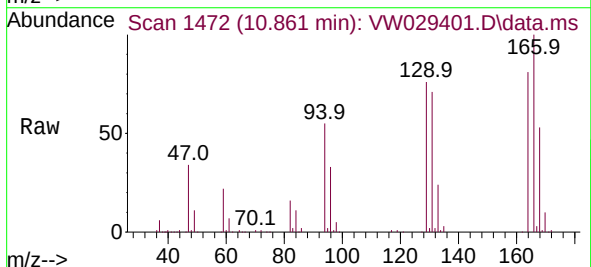
Ion Ratio Lower Upper

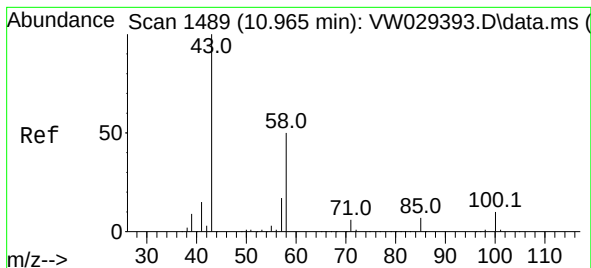
164 100

129 94.4 68.5 127.3

131 87.3 71.8 133.4

166 123.7 97.2 180.4





#48

2-Hexanone

Concen: 55.190 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

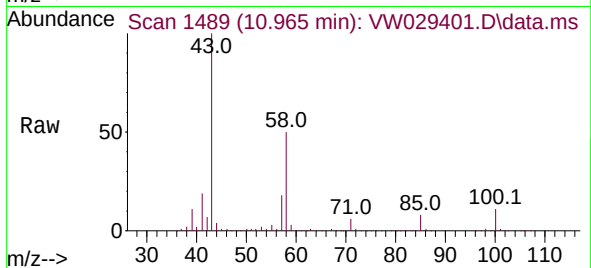
Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 90988

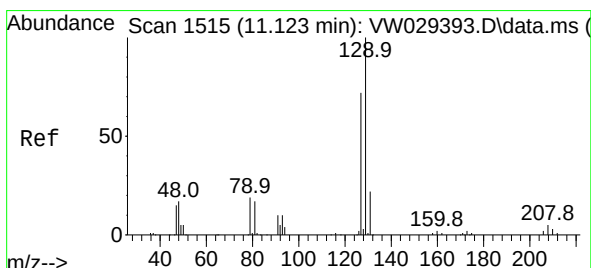
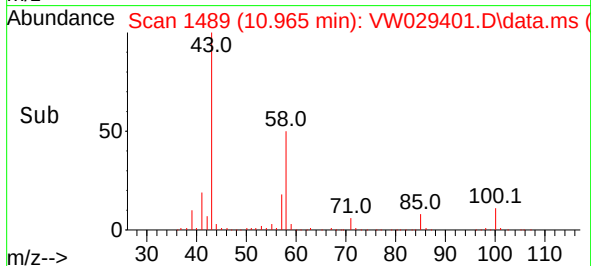
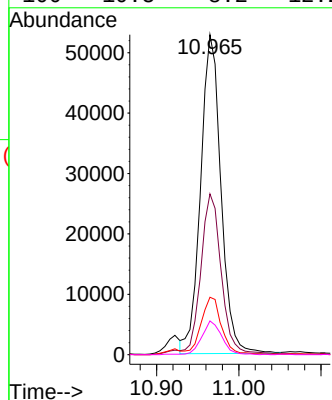
Ion Ratio Lower Upper

43 100

58 50.3 39.6 59.4

57 18.1 14.6 21.8

100 10.3 8.2 12.2



#49

Dibromochloromethane

Concen: 28.298 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW029401.D

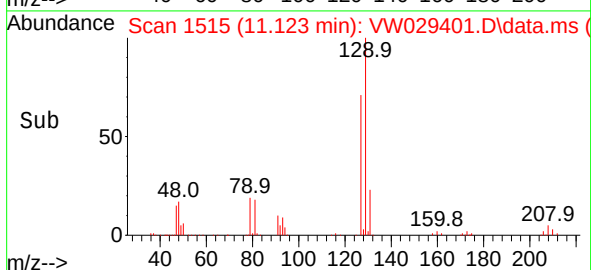
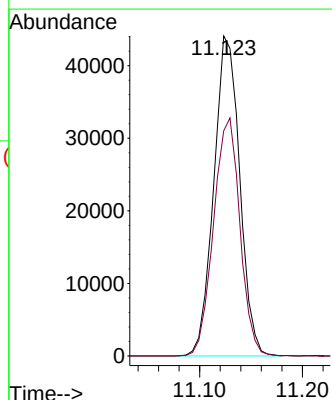
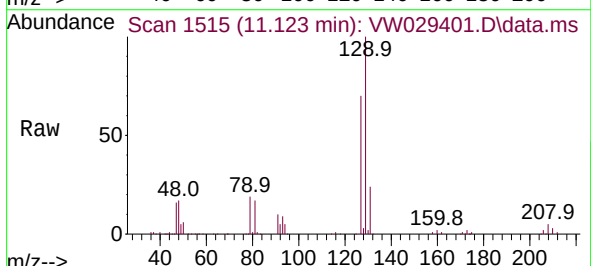
Acq: 28 Jun 2024 16:22

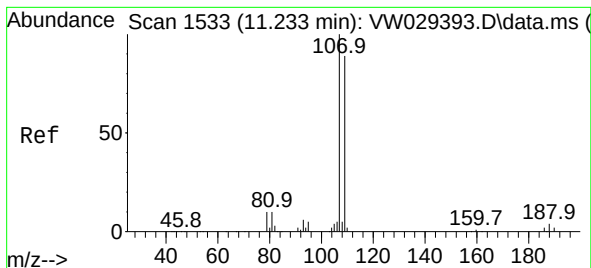
Tgt Ion:129 Resp: 77230

Ion Ratio Lower Upper

129 100

127 70.3 54.8 101.8





#50

1,2-Dibromoethane

Concen: 26.616 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

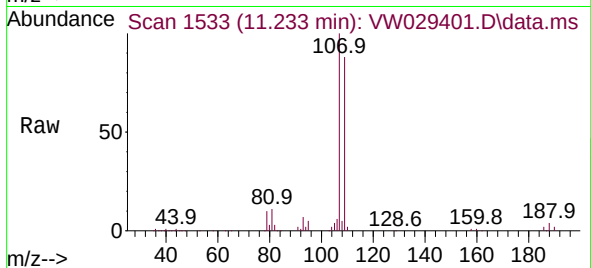
Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :



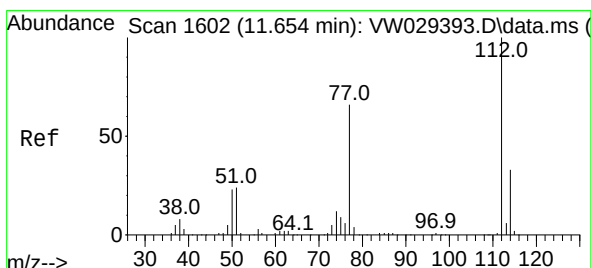
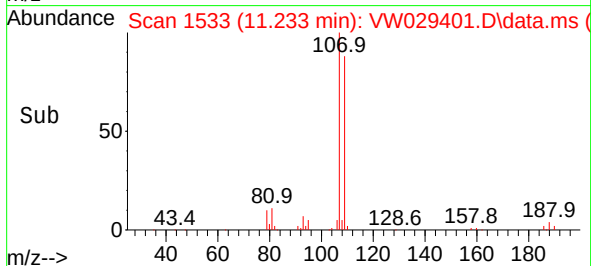
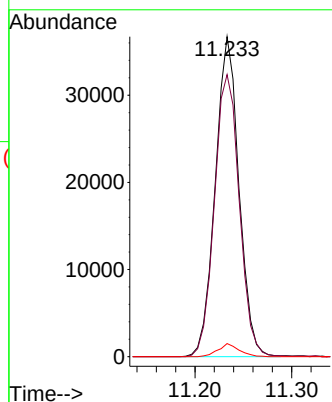
Tgt Ion:107 Resp: 62377

Ion Ratio Lower Upper

107 100

109 88.1 65.5 121.6

188 4.1 2.6 4.0#



#51

Chlorobenzene

Concen: 23.462 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

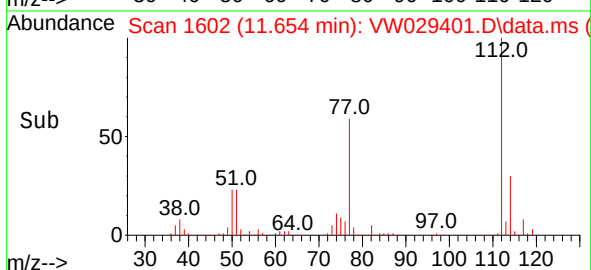
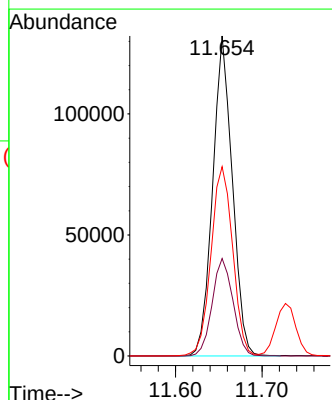
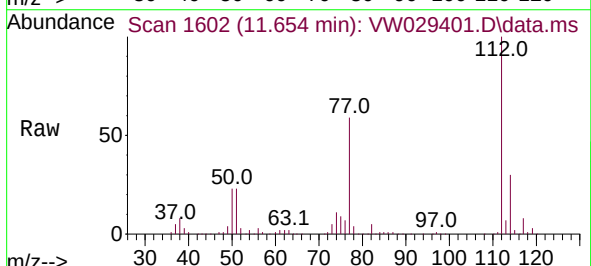
Tgt Ion:112 Resp: 208954

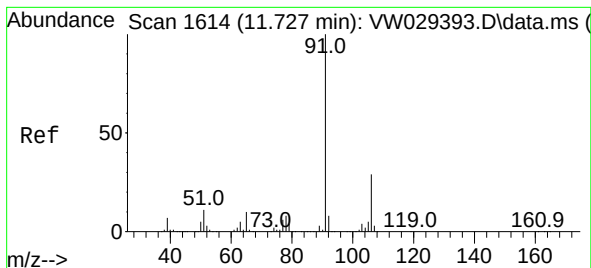
Ion Ratio Lower Upper

112 100

114 30.4 22.6 42.0

77 59.1 51.0 76.6

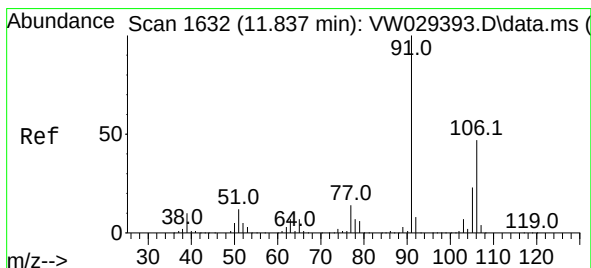
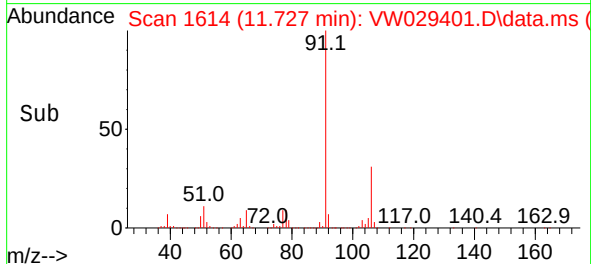
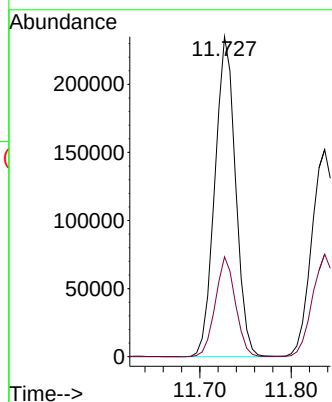
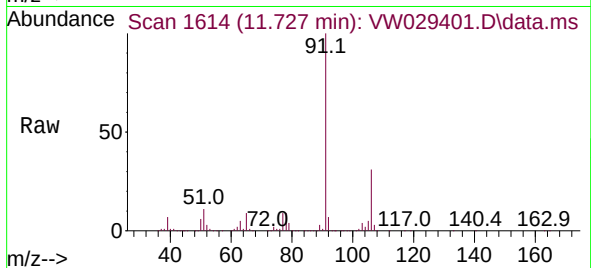




#52
Ethylbenzene
Concen: 23.808 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

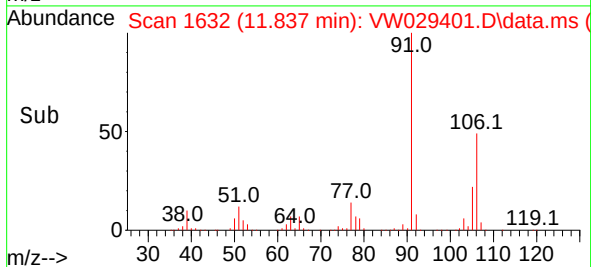
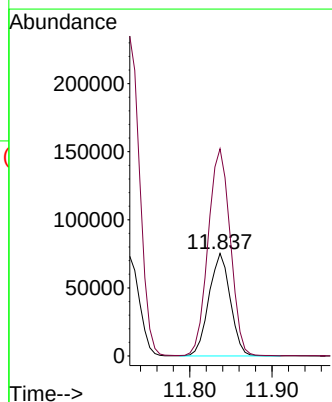
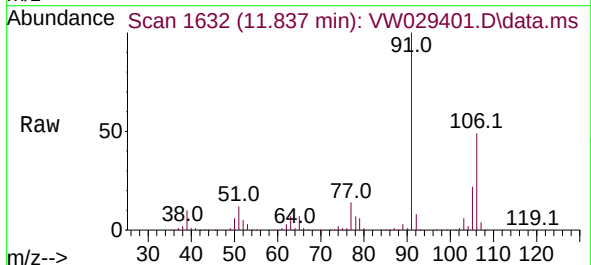
Instrument :
MSVOA_W
ClientSampleId :

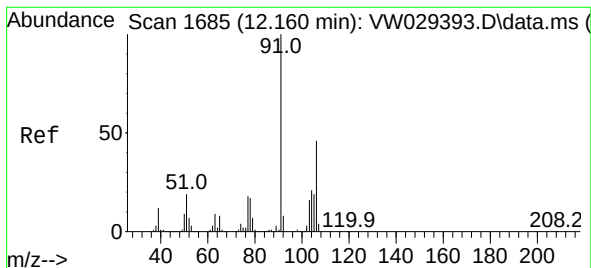
Tgt Ion: 91 Resp: 370638
Ion Ratio Lower Upper
91 100
106 31.2 19.9 37.0



#53
m,p-Xylene
Concen: 23.976 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion: 106 Resp: 136335
Ion Ratio Lower Upper
106 100
91 202.2 140.5 260.9

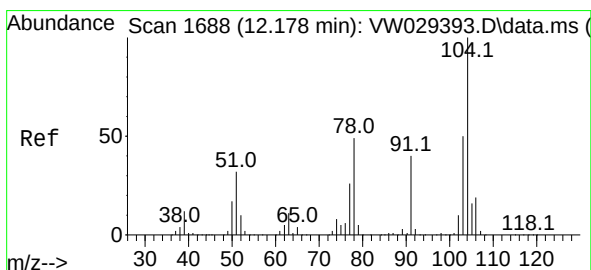
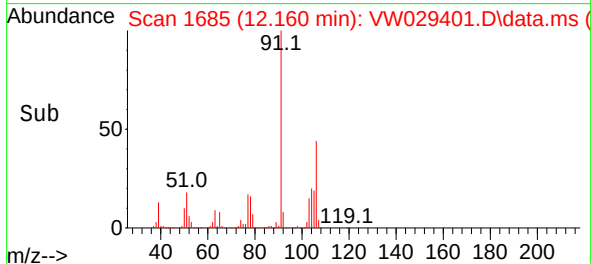
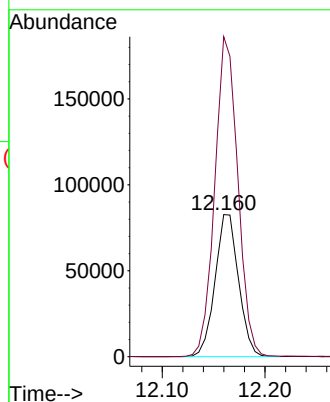
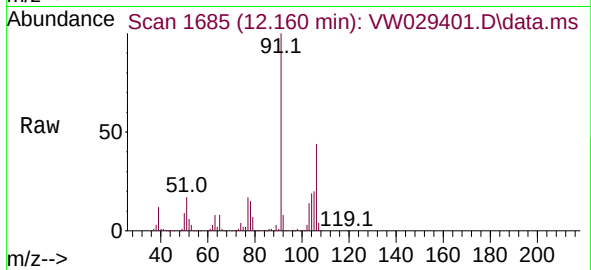




#54
o-Xylene
Concen: 24.710 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

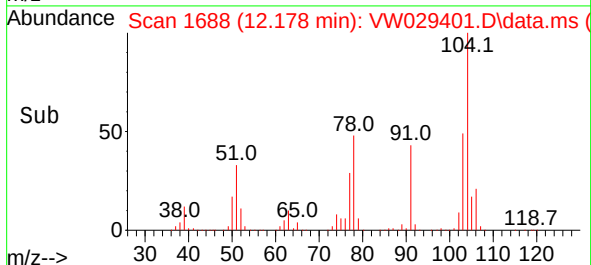
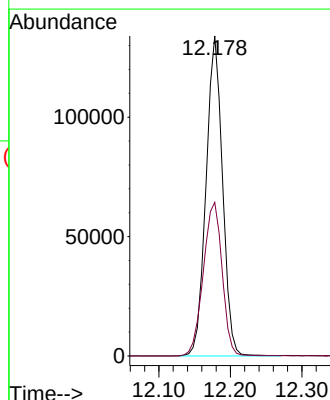
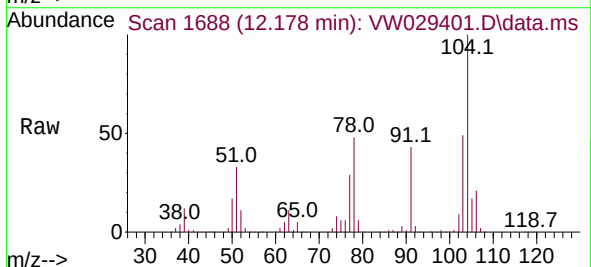
Instrument :
MSVOA_W
ClientSampleId :

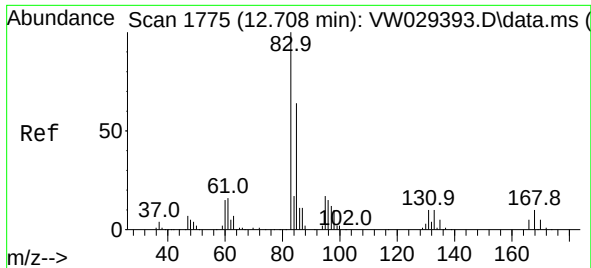
Tgt Ion:106 Resp: 131322
Ion Ratio Lower Upper
106 100
91 225.2 149.9 278.5



#55
Styrene
Concen: 23.178 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion:104 Resp: 214766
Ion Ratio Lower Upper
104 100
78 48.0 35.4 65.7

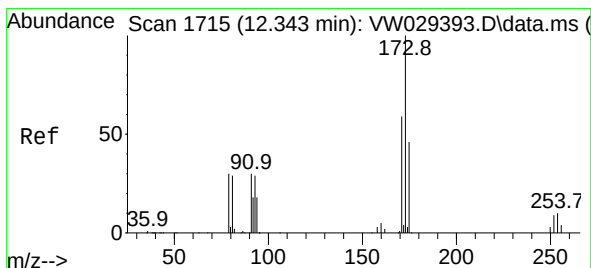
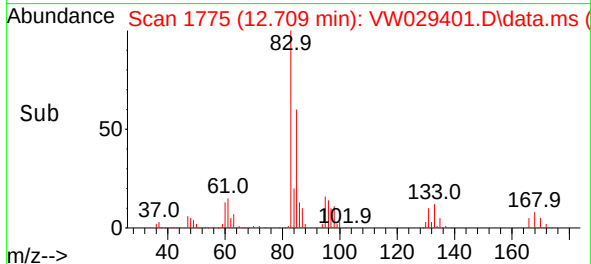
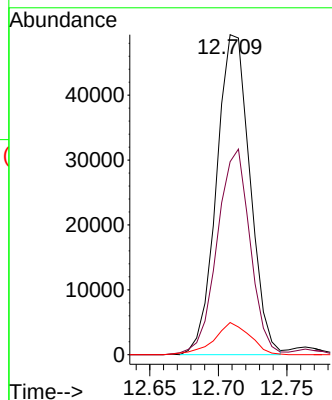
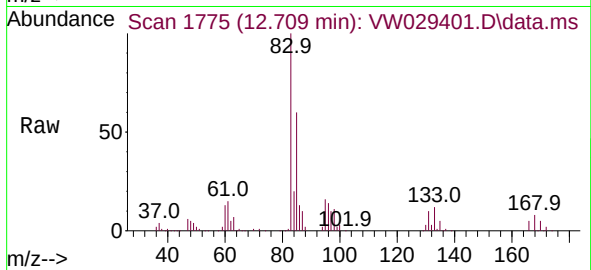




#57
1,1,2,2-Tetrachloroethane
Concen: 25.906 ug/L
RT: 12.709 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

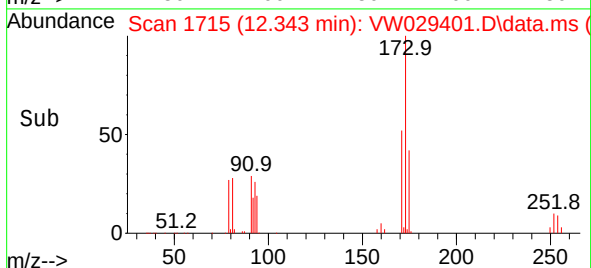
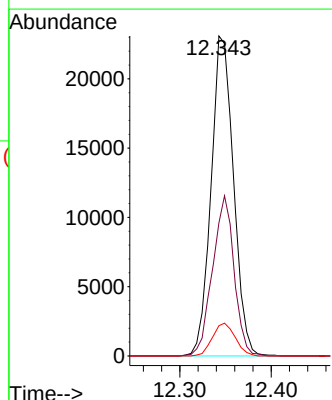
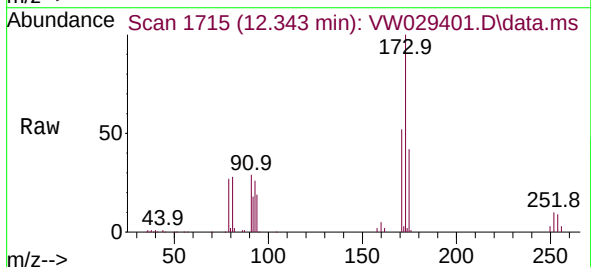
Instrument :
MSVOA_W
ClientSampleId :

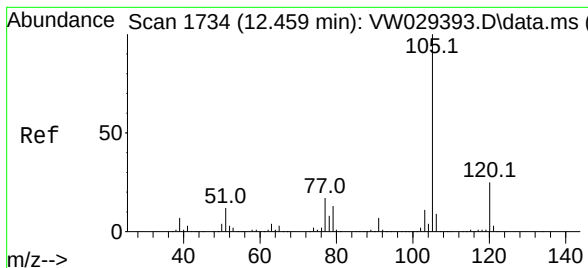
Tgt Ion: 83 Resp: 83663
Ion Ratio Lower Upper
83 100
85 60.3 45.8 85.0
131 10.0 7.8 11.6



#59
Bromoform
Concen: 36.611 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion:173 Resp: 39418
Ion Ratio Lower Upper
173 100
175 47.9 37.8 56.8
254 10.4 7.8 11.6





#60

Isopropylbenzene

Concen: 30.551 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

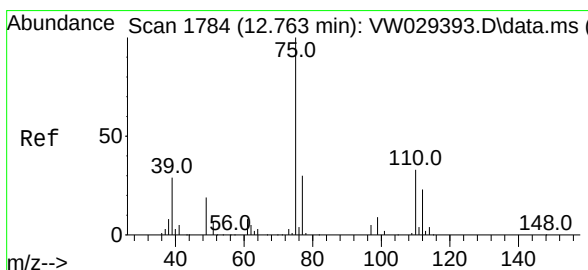
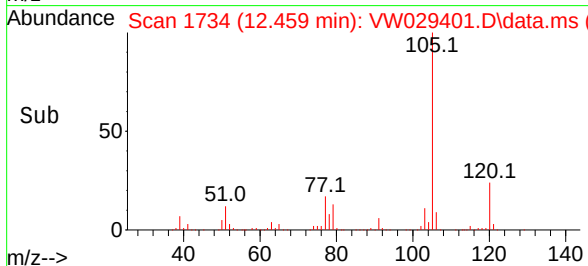
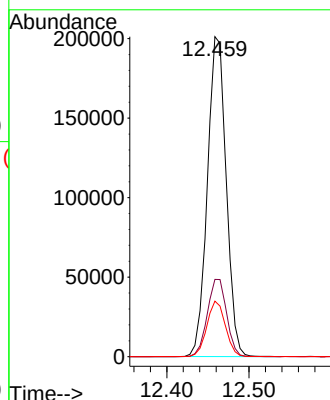
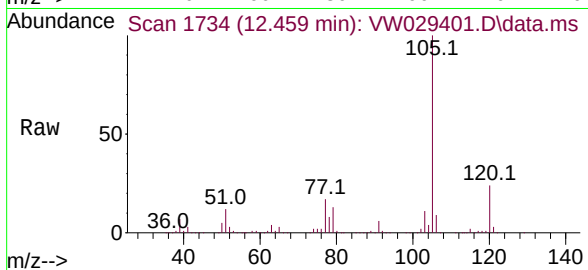
Tgt Ion:105 Resp: 319786

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7

77 17.2 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 37.842 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

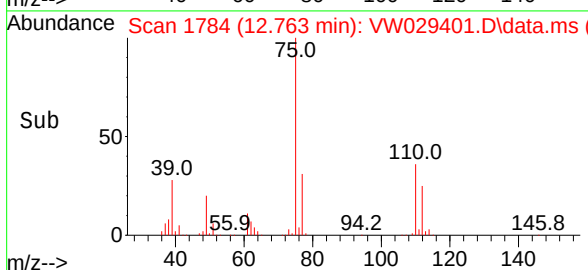
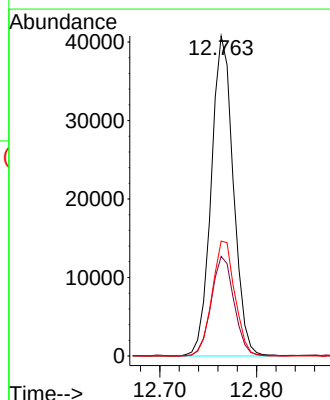
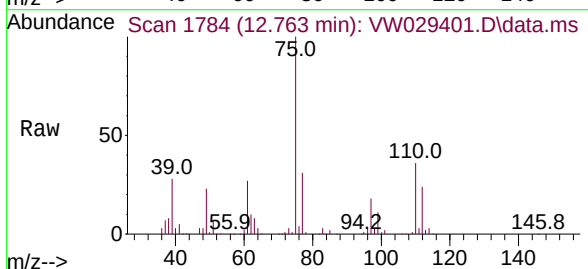
Tgt Ion: 75 Resp: 64840

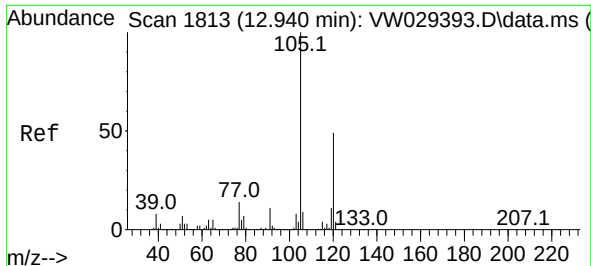
Ion Ratio Lower Upper

75 100

77 32.1 26.6 39.8

110 36.8 29.5 44.3

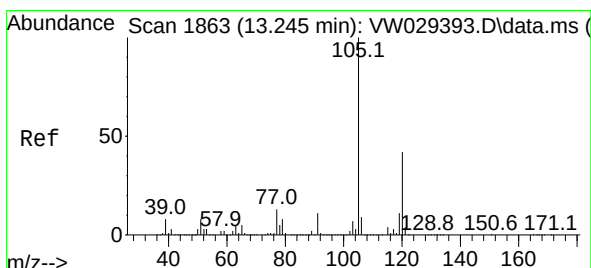
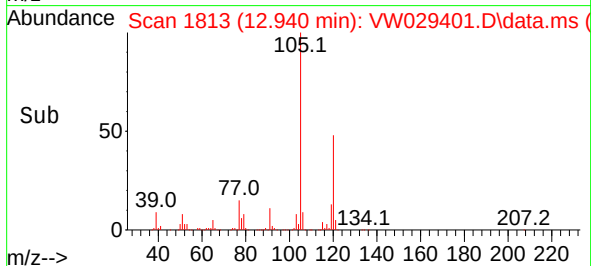
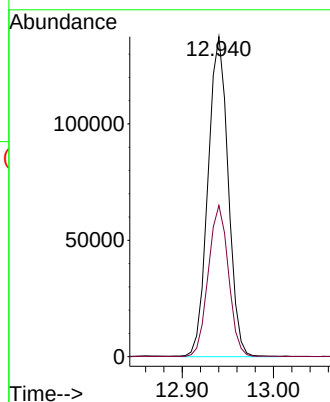
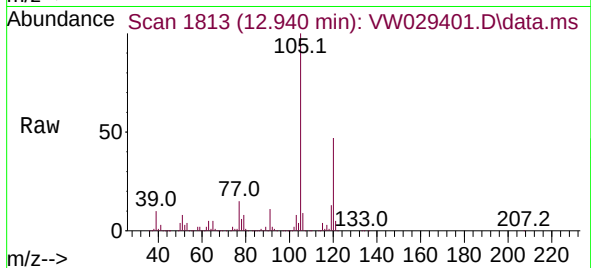




#62
1,3,5-Trimethylbenzene
Concen: 27.822 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

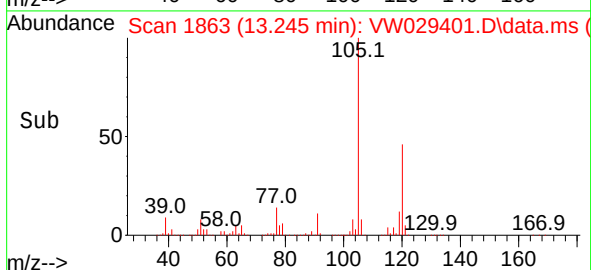
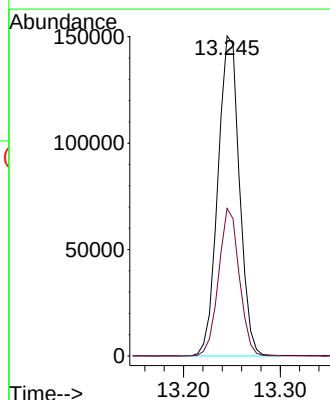
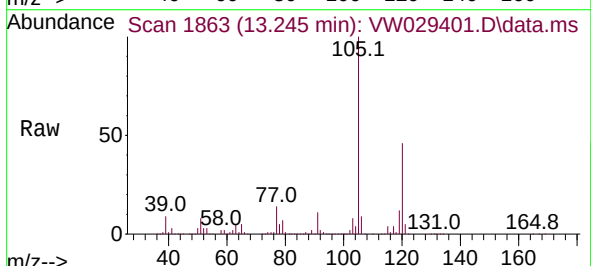
Instrument :
MSVOA_W
ClientSampleId :

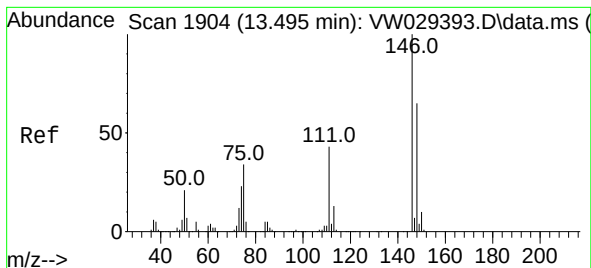
Tgt Ion:105 Resp: 210913
Ion Ratio Lower Upper
105 100
120 47.0 36.4 54.6



#63
1,2,4-Trimethylbenzene
Concen: 28.512 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion:105 Resp: 232556
Ion Ratio Lower Upper
105 100
120 44.2 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 24.754 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

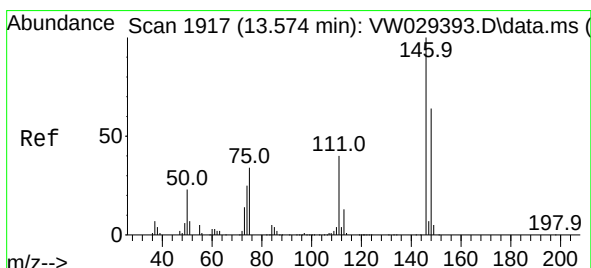
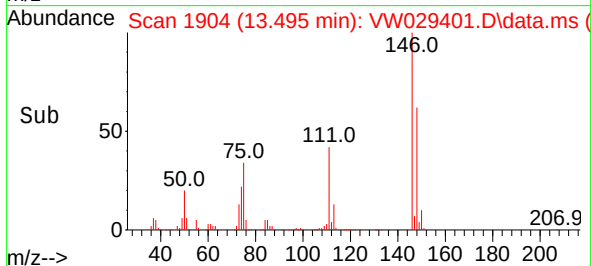
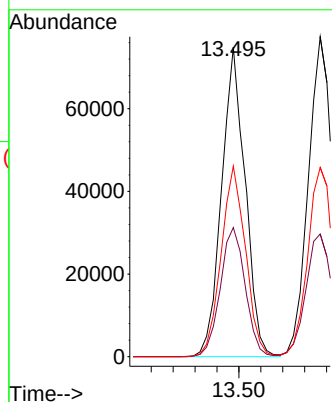
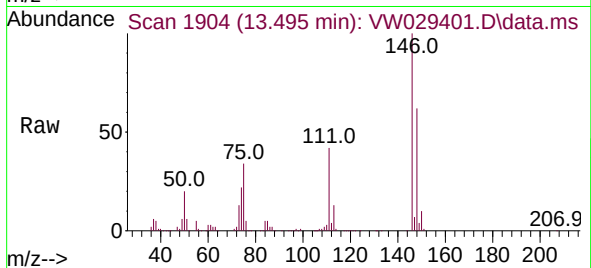
Tgt Ion:146 Resp: 112131

Ion Ratio Lower Upper

146 100

111 41.7 33.0 61.2

148 61.6 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 24.857 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

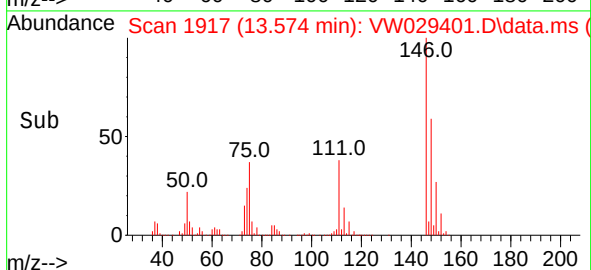
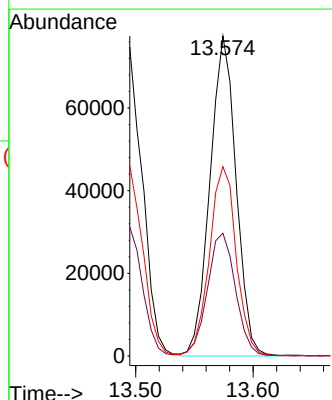
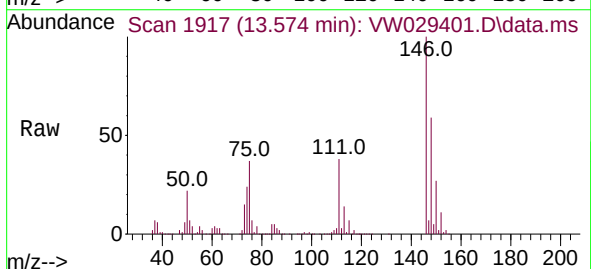
Tgt Ion:146 Resp: 119797

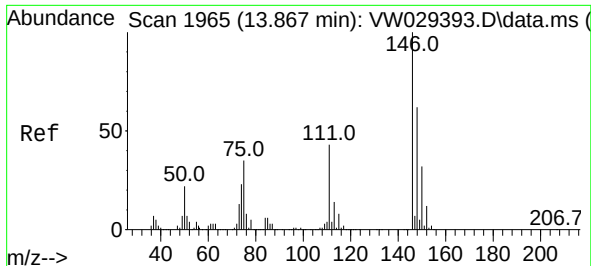
Ion Ratio Lower Upper

146 100

111 38.3 28.9 53.7

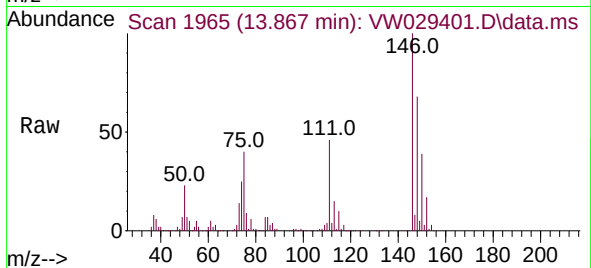
148 59.2 42.0 78.0



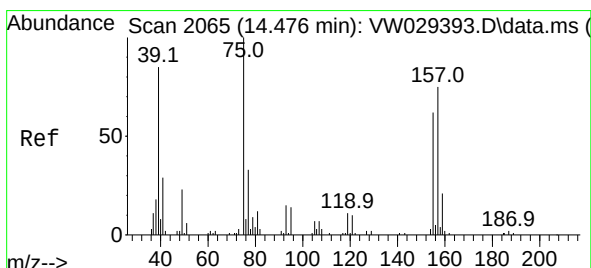
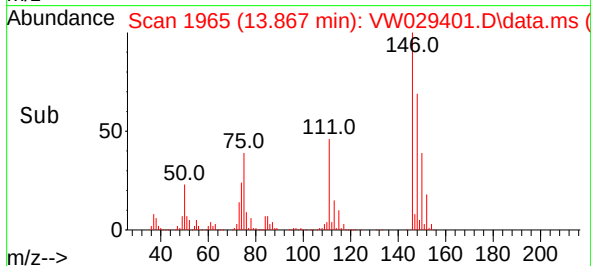
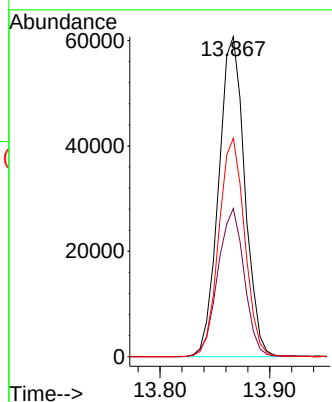


#67
1,2-Dichlorobenzene
Concen: 23.993 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Instrument :
MSVOA_W
ClientSampleId :

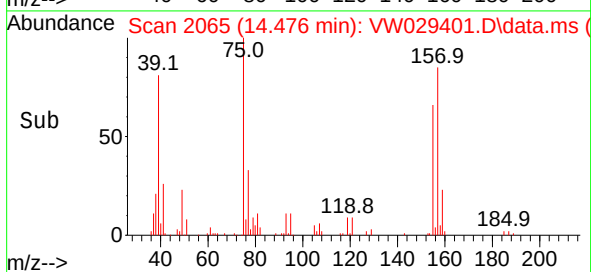
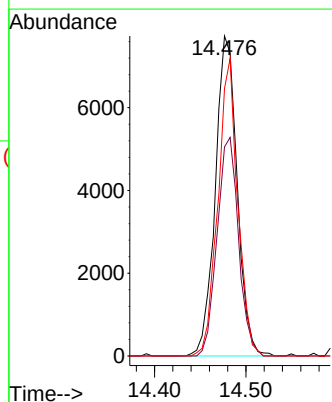
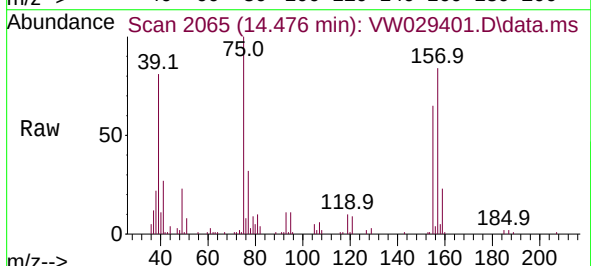


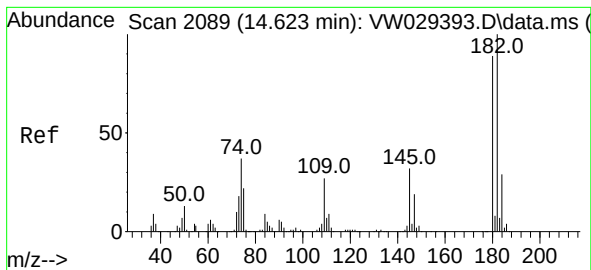
Tgt Ion:146 Resp: 100472
Ion Ratio Lower Upper
146 100
111 46.3 34.2 51.4
148 68.3 46.3 69.5



#68
1,2-Dibromo-3-chloropropane
Concen: 32.124 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW029401.D
Acq: 28 Jun 2024 16:22

Tgt Ion: 75 Resp: 12845
Ion Ratio Lower Upper
75 100
155 65.3 51.0 76.6
157 83.6 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 16.590 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

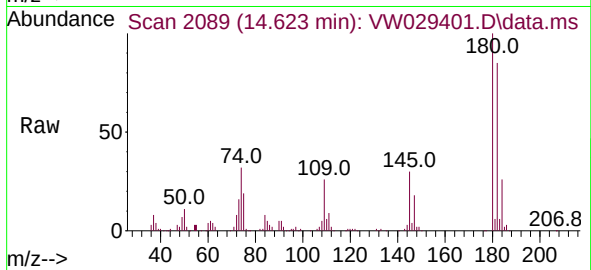
Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 50718

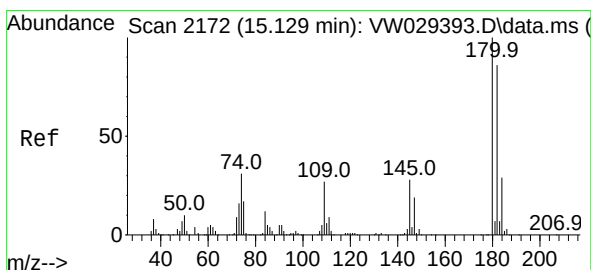
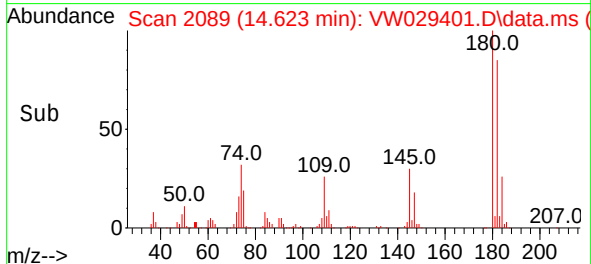
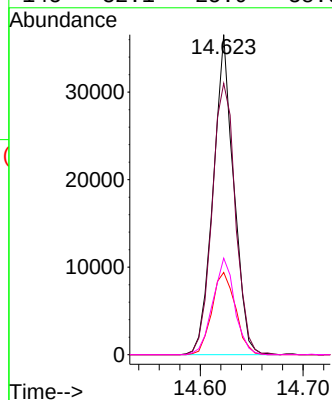
Ion Ratio Lower Upper

180 100

182 96.4 72.9 109.3

184 29.5 23.8 35.6

145 32.1 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 14.774 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

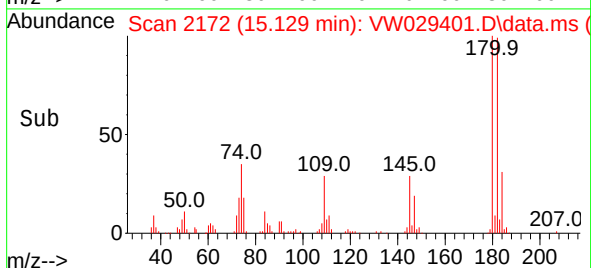
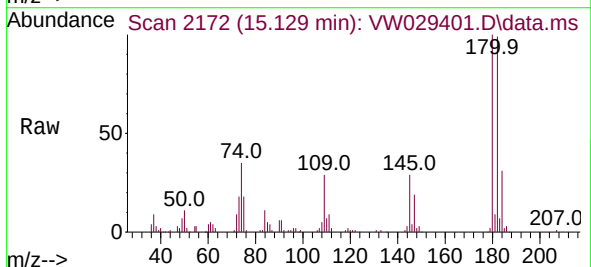
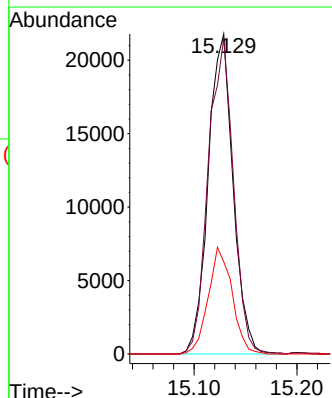
Tgt Ion:180 Resp: 36614

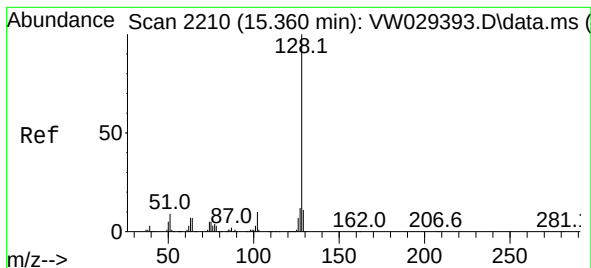
Ion Ratio Lower Upper

180 100

182 99.5 77.7 116.5

145 32.0 25.7 38.5





#71

Naphthalene

Concen: 19.750 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Instrument :

MSVOA_W

ClientSampleId :

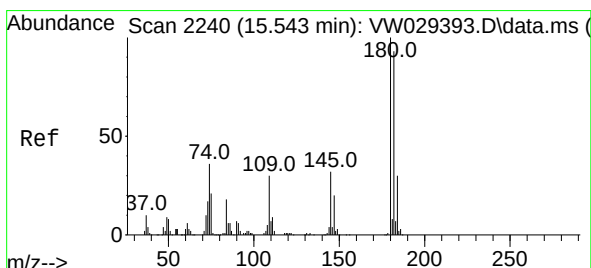
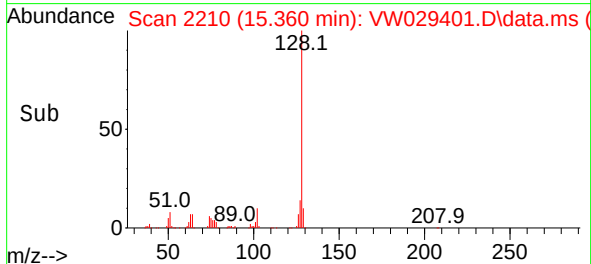
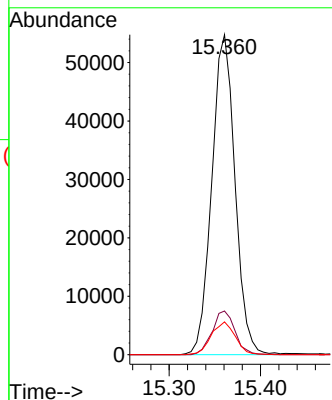
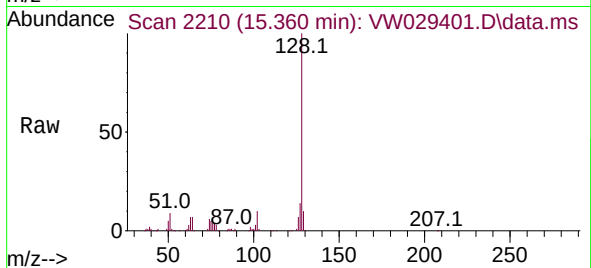
Tgt Ion:128 Resp: 96603

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.6 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 14.036 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VW029401.D

Acq: 28 Jun 2024 16:22

Tgt Ion:180 Resp: 31694

Ion Ratio Lower Upper

180 100

182 99.6 73.0 109.6

145 34.3 28.1 42.1

