

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU058992.D
 Acq On : 25 May 2024 12:29
 Operator : MD/SY
 Sample : P2409-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 04:11:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	127082	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	125778	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	54839	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	64393	47.909	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.820%
7) Chloroethane-d5	1.888	69	55027	49.262	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.520%
11) 1,1-Dichloroethene-d2	2.554	63	81192	39.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.080%
21) 2-Butanone-d5	4.608	46	111536	120.809	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.810%
24) Chloroform-d	5.052	84	116019	50.324	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.640%
26) 1,2-Dichloroethane-d4	5.692	65	78070	55.371	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.740%
32) Benzene-d6	5.718	84	229201	53.451	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.900%
36) 1,2-Dichloropropane-d6	6.682	67	78621	55.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.020%
41) Toluene-d8	7.891	98	188054	48.927	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.860%
43) trans-1,3-Dichloroprop...	8.171	79	30797	48.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.860%
47) 2-Hexanone-d5	8.624	63	65086	111.112	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.110%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	113405	53.224	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.440%
66) 1,2-Dichlorobenzene-d4	12.187	152	61505	54.355	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	2300	2.705	ug/L	100
3) Chloromethane	1.515	50	3234	3.550	ug/L	87
5) Vinyl chloride	1.599	62	2908	2.733	ug/L #	53
6) Bromomethane	1.824	94	2443	3.874	ug/L	90
8) Chloroethane	1.911	64	2051	2.811	ug/L	92
9) Trichlorofluoromethane	2.123	101	4053	2.801	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	3203	3.256	ug/L #	80
12) 1,1-Dichloroethene	2.567	96	2728	3.465	ug/L #	1
13) Acetone	2.621	43	5481	6.733	ug/L	96
14) Carbon disulfide	2.782	76	5050	3.409	ug/L #	94
16) Methylene chloride	3.033	84	4679	3.726	ug/L	94
17) trans-1,2-Dichloroethene	3.342	96	2062	2.607	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	8705	2.781	ug/L	96
19) 1,1-Dichloroethane	3.856	63	4585	2.276	ug/L	93
20) cis-1,2-Dichloroethene	4.663	96	2861	2.733	ug/L	95
23) Bromochloromethane	4.972	128	1270	2.327	ug/L #	78
27) 1,2-Dichloroethane	5.792	62	5316	3.274	ug/L #	93
29) Cyclohexane	5.380	56	2631	2.458	ug/L	93
30) 1,1,1-Trichloroethane	5.306	97	4672	3.095	ug/L	95

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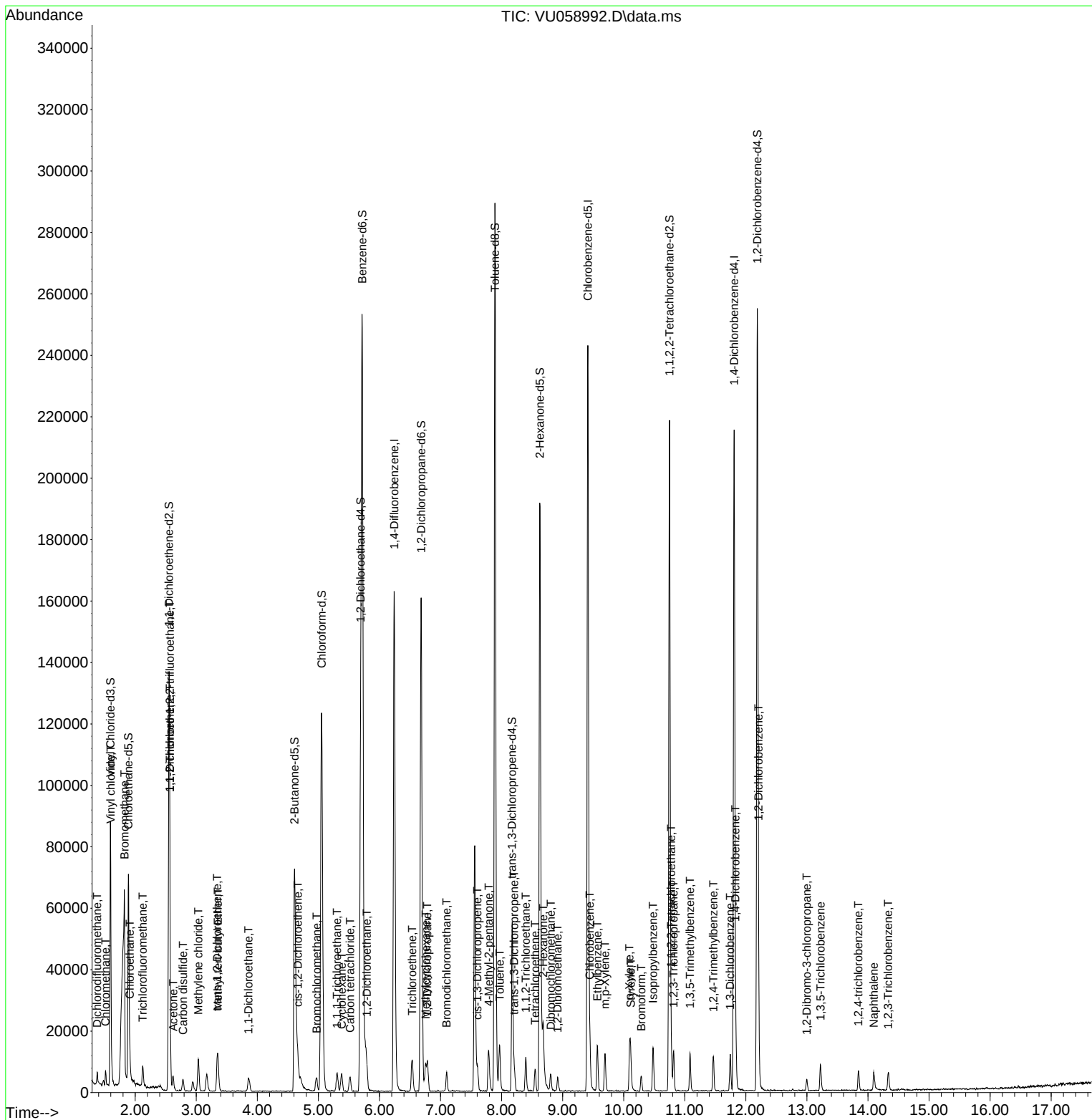
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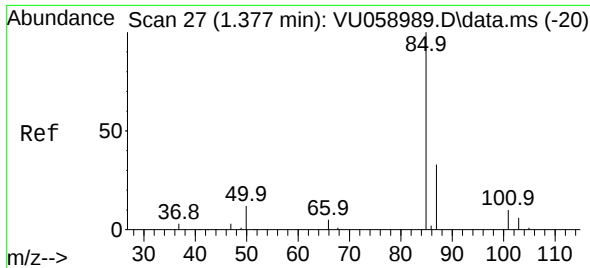
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 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.518	117	3264	2.677	ug/L #	52
34) Trichloroethene	6.538	95	3298	3.286	ug/L	88
35) Methylcyclohexane	6.756	83	3031	2.577	ug/L	95
37) 1,2-Dichloropropane	6.782	63	4003	3.257	ug/L #	98
38) Bromodichloromethane	7.100	83	4505	2.950	ug/L	82
39) cis-1,3-Dichloropropene	7.602	75	4502	2.660	ug/L	93
40) 4-Methyl-2-pentanone	7.788	43	10010	5.714	ug/L #	96
42) Toluene	7.968	91	10485	2.587	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	4344	2.711	ug/L	91
45) 1,1,2-Trichloroethane	8.396	97	3414	2.814	ug/L	91
46) Tetrachloroethene	8.547	164	1668	2.493	ug/L	80
48) 2-Hexanone	8.679	43	13076	9.065	ug/L #	85
49) Dibromochloromethane	8.804	129	3084	2.660	ug/L	85
50) 1,2-Dibromoethane	8.917	107	3314	2.859	ug/L #	99
51) Chlorobenzene	9.444	112	7704	2.876	ug/L	96
52) Ethylbenzene	9.566	91	10831	2.469	ug/L	97
53) m,p-Xylene	9.692	106	3699	2.348	ug/L	95
54) o-Xylene	10.094	106	3575	2.267	ug/L	93
55) Styrene	10.116	104	5222	1.854	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	7111	3.252	ug/L	97
59) Bromoform	10.287	173	2252	3.098	ug/L #	83
60) 1,2,3-Trichloropropane	10.814	75	5590	4.006	ug/L	90
61) Isopropylbenzene	10.480	105	9571	2.733	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	6324	2.292	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	7006	2.518	ug/L	89
64) 1,3-Dichlorobenzene	11.743	146	4703	2.587	ug/L	90
65) 1,4-Dichlorobenzene	11.830	146	5102	2.778	ug/L	90
67) 1,2-Dichlorobenzene	12.206	146	5418	2.930	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	12.994	75	1232	3.263	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.222	180	2922	2.282	ug/L	91
70) 1,2,4-trichlorobenzene	13.843	180	2315	2.099	ug/L #	92
71) Naphthalene	14.094	128	6224	1.935	ug/L #	94
72) 1,2,3-Trichlorobenzene	14.328	180	2522	2.232	ug/L #	88

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

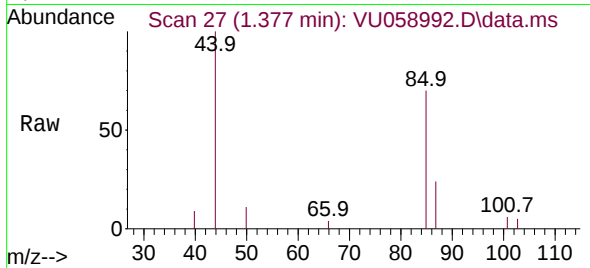
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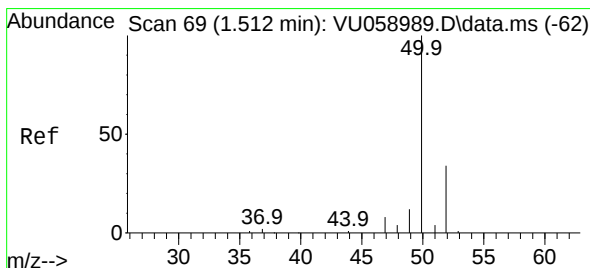
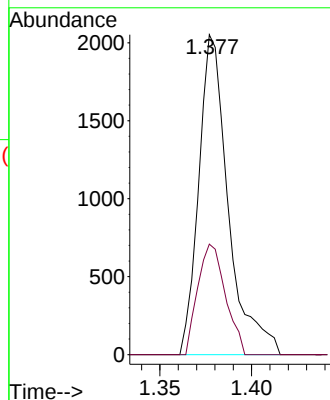
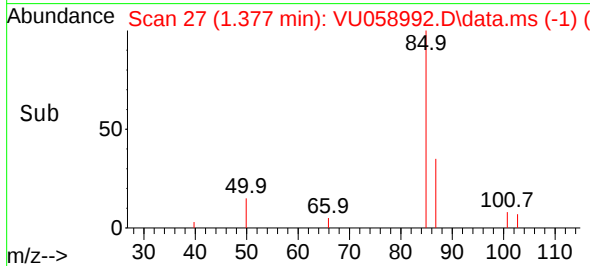


#2
 Dichlorodifluoromethane
 Concen: 2.705 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Instrument :
 MSVOA_U
 ClientSampleId :

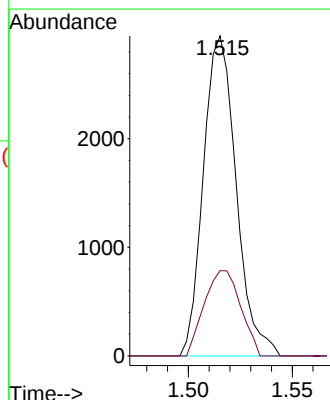
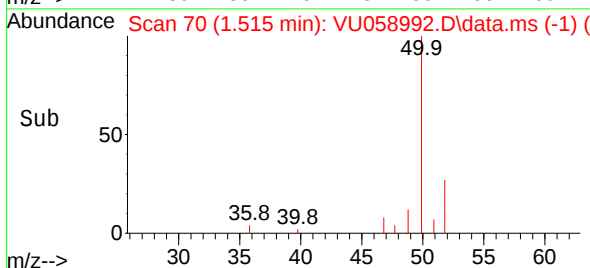
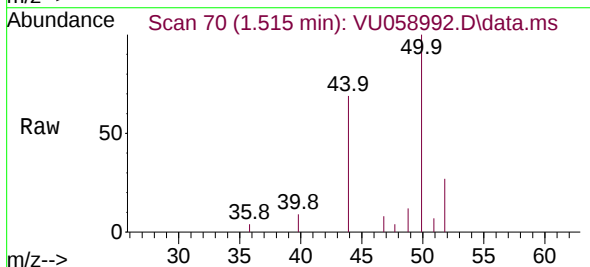


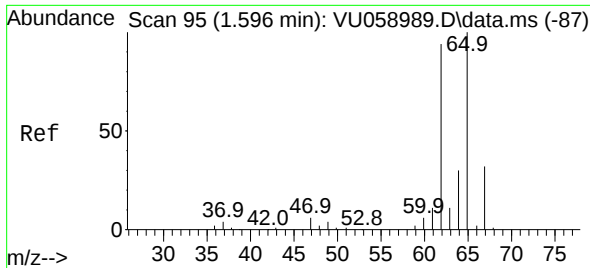
Tgt Ion: 85 Resp: 2300
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.7 38.5



#3
 Chloromethane
 Concen: 3.550 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Tgt Ion: 50 Resp: 3234
 Ion Ratio Lower Upper
 50 100
 52 26.7 23.9 44.3

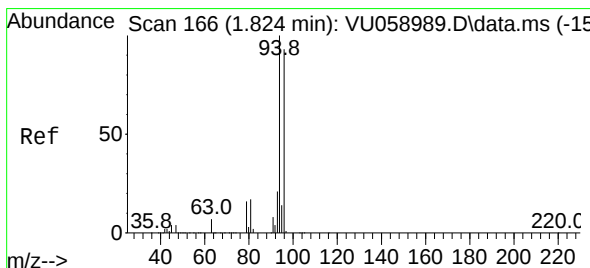
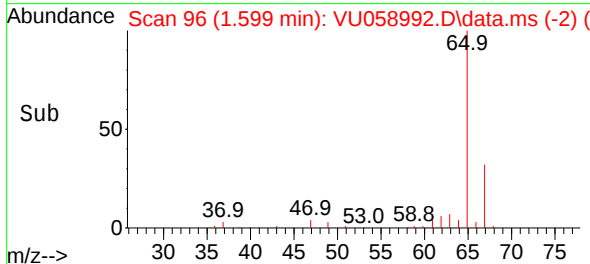
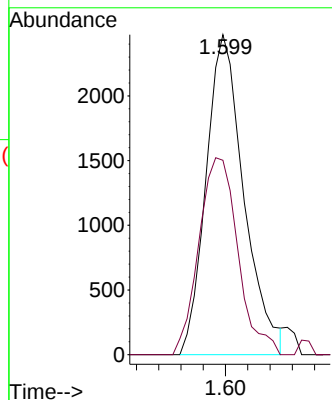
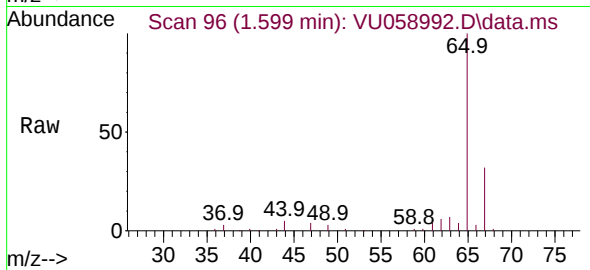




#5
 Vinyl chloride
 Concen: 2.733 ug/L
 RT: 1.599 min Scan# 95
 Delta R.T. 0.003 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

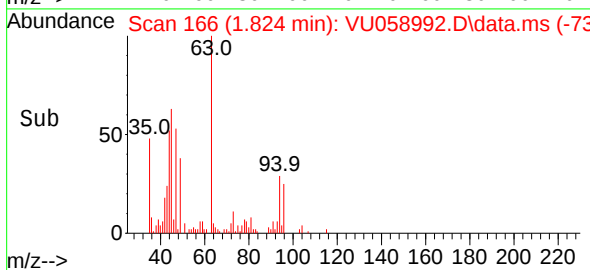
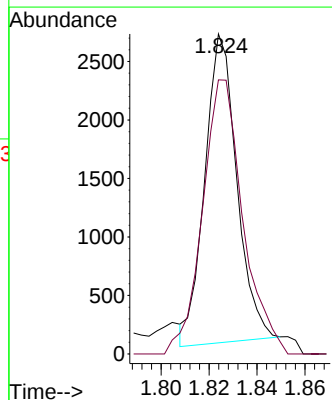
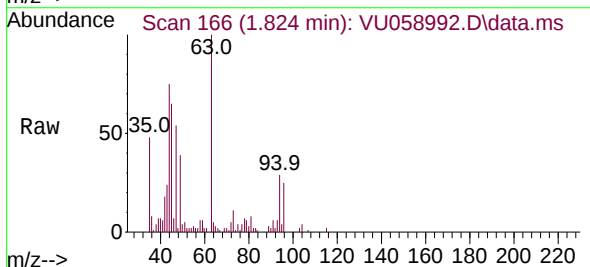
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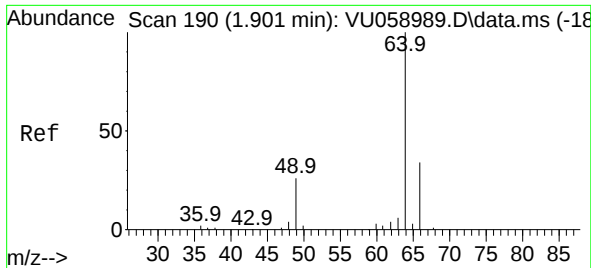
Tgt Ion: 62 Resp: 2908
 Ion Ratio Lower Upper
 62 100
 64 60.7 23.7 43.9#



#6
 Bromomethane
 Concen: 3.874 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. 0.000 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Tgt Ion: 94 Resp: 2443
 Ion Ratio Lower Upper
 94 100
 96 85.7 66.6 123.6

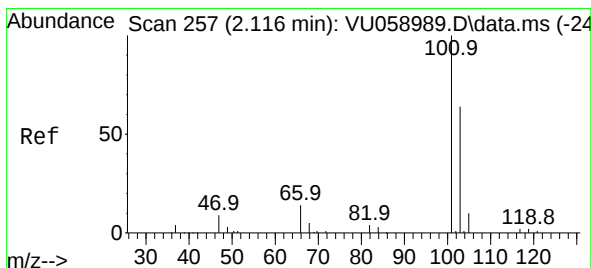
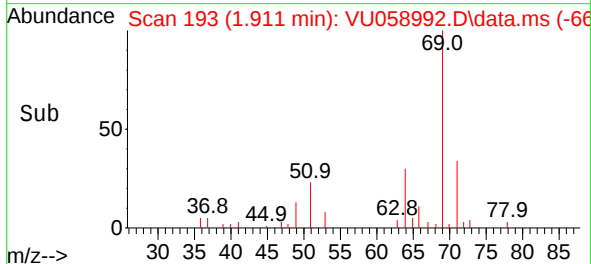
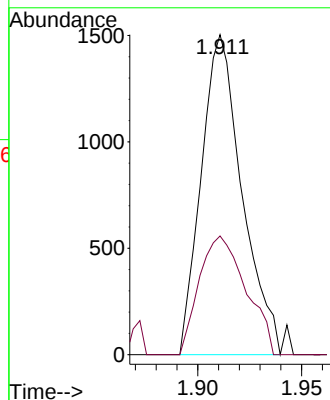
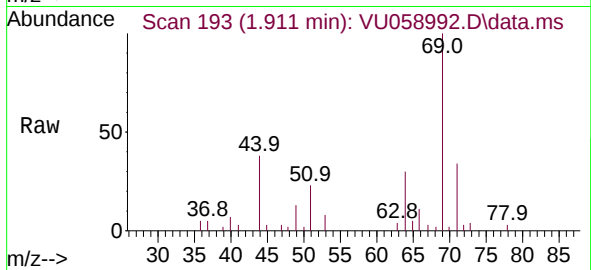




#8
Chloroethane
Concen: 2.811 ug/L
RT: 1.911 min Scan# 190
Delta R.T. 0.010 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

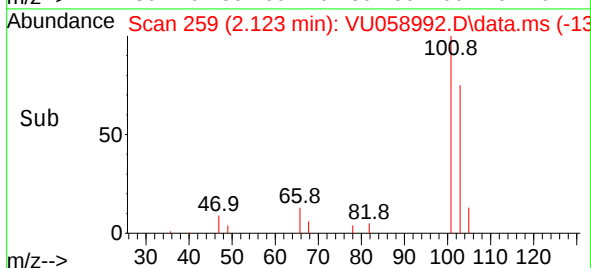
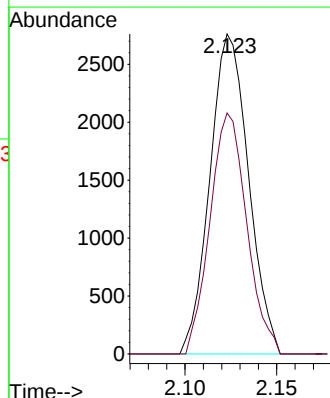
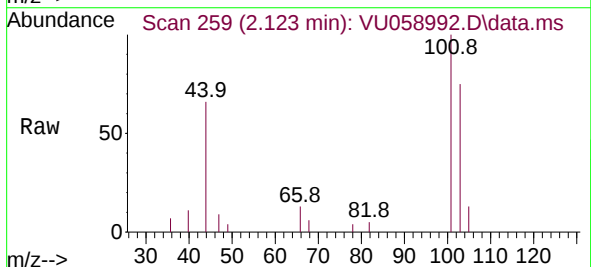
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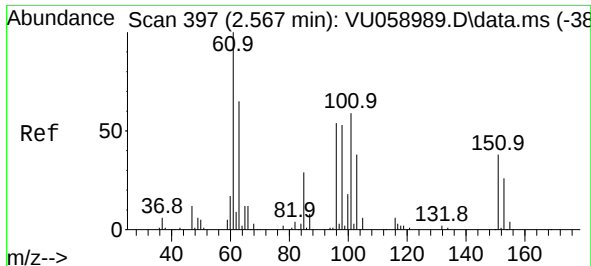
Tgt Ion: 64 Resp: 2051
Ion Ratio Lower Upper
64 100
66 37.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 2.801 ug/L
RT: 2.123 min Scan# 259
Delta R.T. 0.007 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion:101 Resp: 4053
Ion Ratio Lower Upper
101 100
103 71.5 51.6 77.4

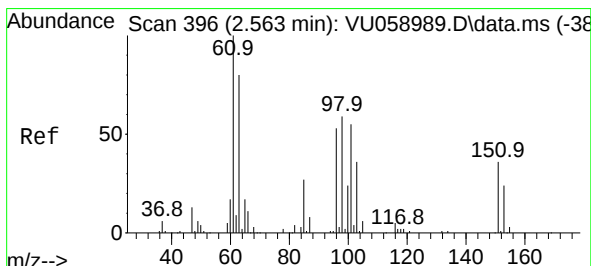
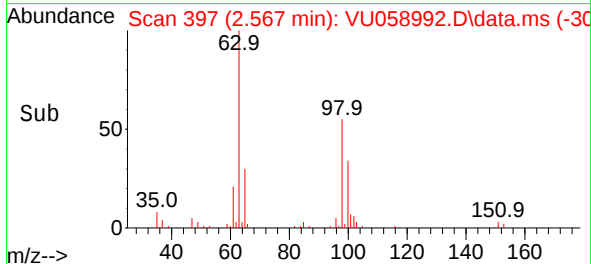
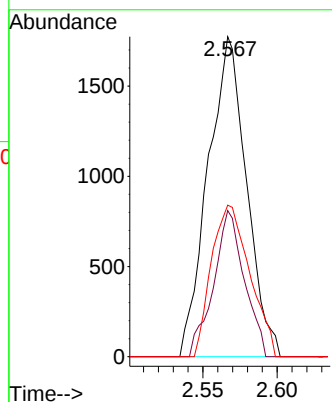
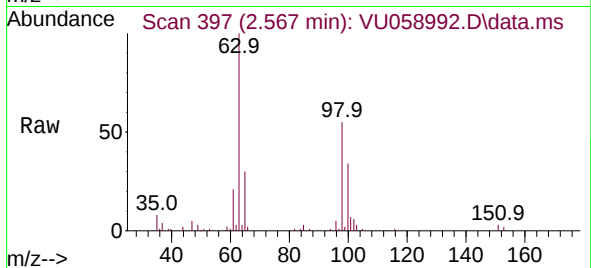




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.256 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

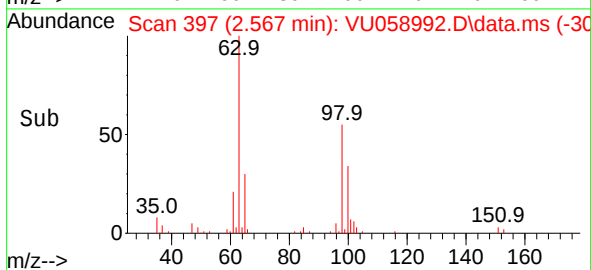
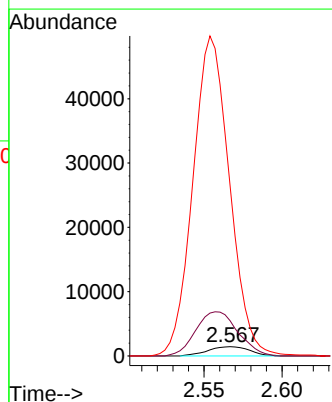
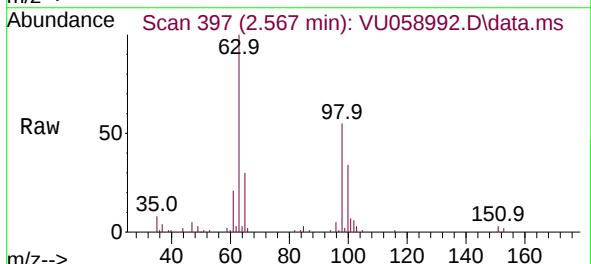
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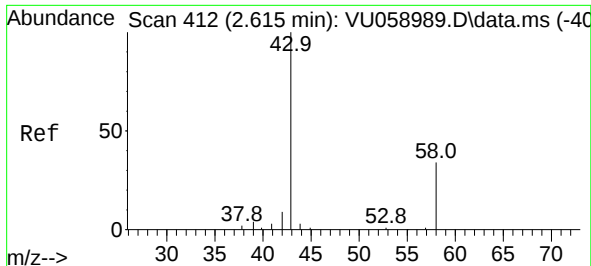
Tgt Ion:101 Resp: 3203
Ion Ratio Lower Upper
101 100
85 36.4 34.9 52.3
151 46.9 54.5 81.7#



#12
1,1-Dichloroethene
Concen: 3.465 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 96 Resp: 2728
Ion Ratio Lower Upper
96 100
61 377.6 122.2 227.0#
63 1820.5 102.8 190.8#





#13

Acetone

Concen: 6.733 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

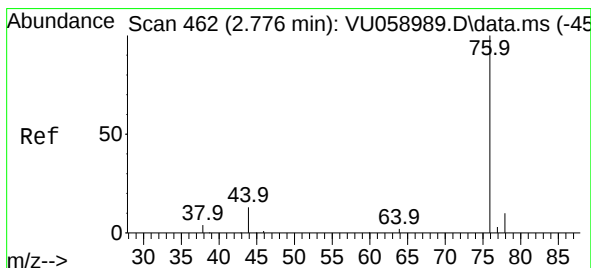
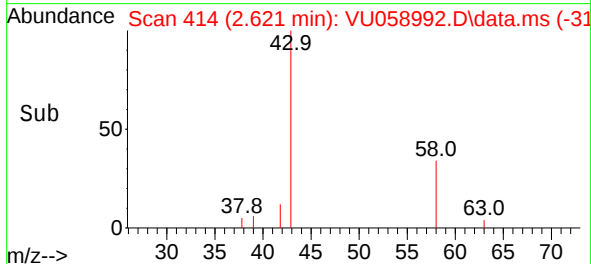
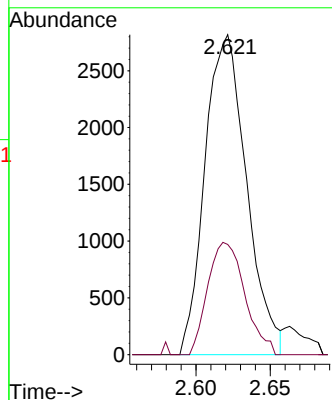
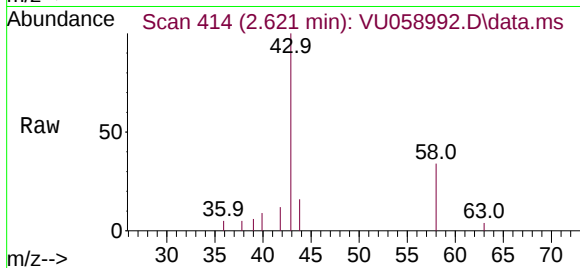
ClientSampleId :

Tgt Ion: 43 Resp: 5481

Ion Ratio Lower Upper

43 100

58 31.3 0.0 67.2



#14

Carbon disulfide

Concen: 3.409 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.006 min

Lab File: VU058992.D

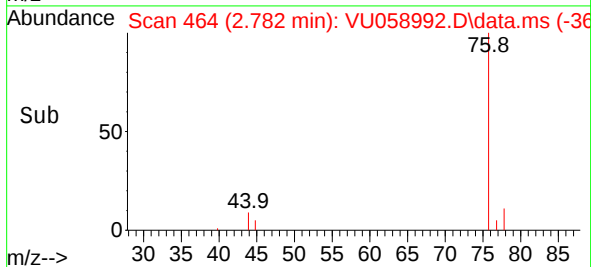
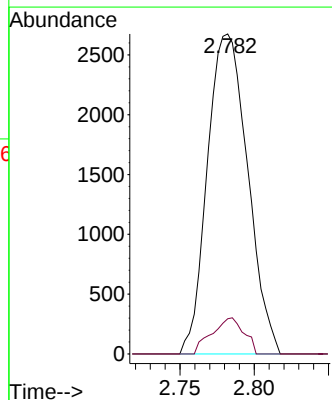
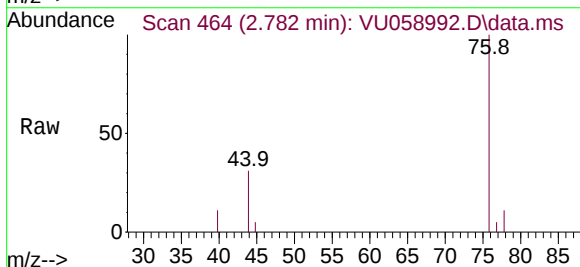
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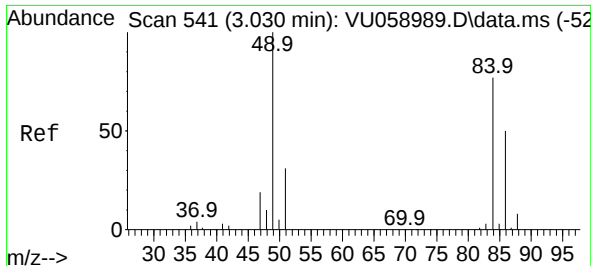
Tgt Ion: 76 Resp: 5050

Ion Ratio Lower Upper

76 100

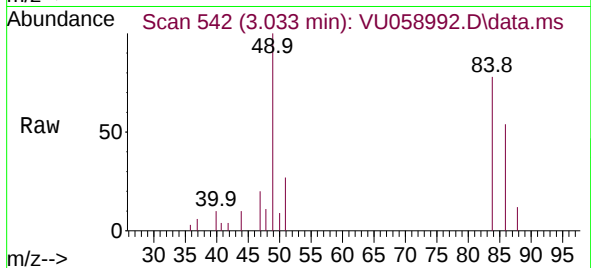
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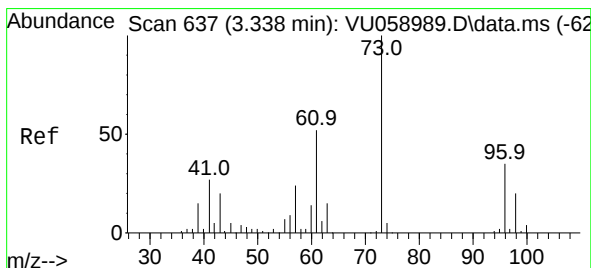
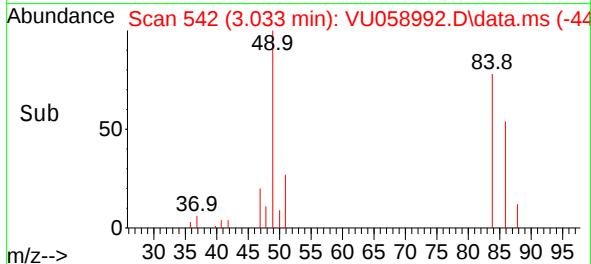
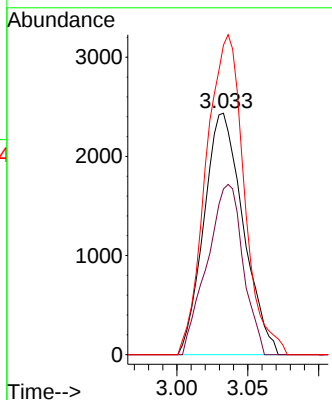


#16
Methylene chloride
Concen: 3.726 ug/L
RT: 3.033 min Scan# 541
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument :
MSVOA_U
ClientSampleId :

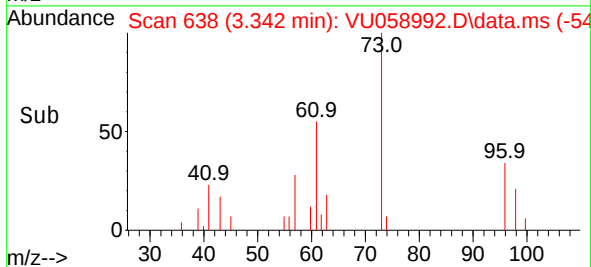
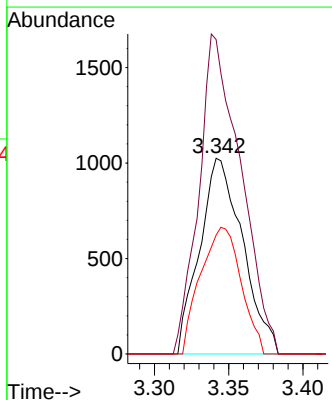
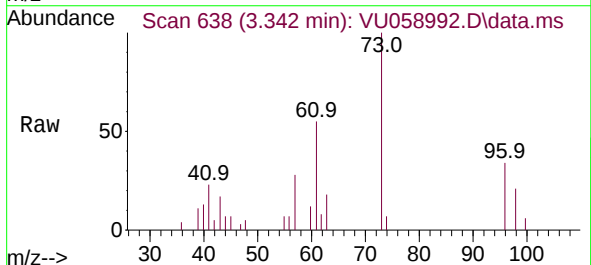


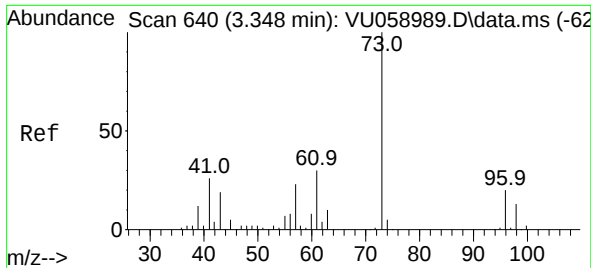
Tgt Ion: 84 Resp: 4679
Ion Ratio Lower Upper
84 100
86 68.7 44.9 83.5
49 128.3 85.4 158.6



#17
trans-1,2-Dichloroethene
Concen: 2.607 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 96 Resp: 2062
Ion Ratio Lower Upper
96 100
61 160.7 103.5 192.1
98 60.8 44.9 83.3

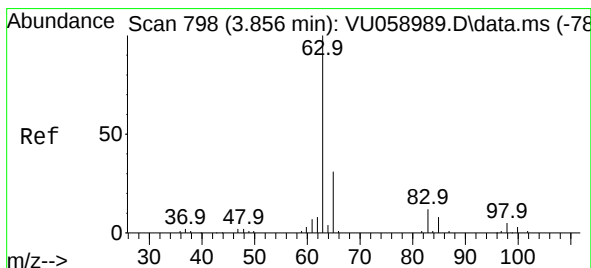
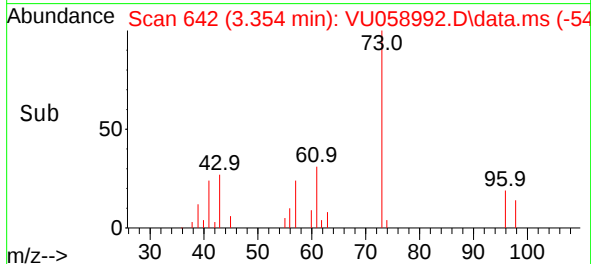
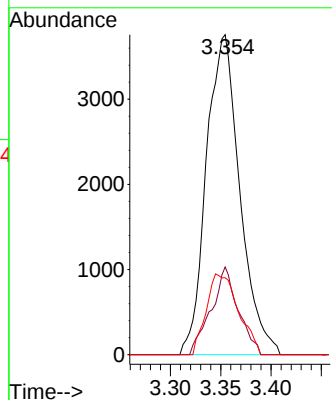
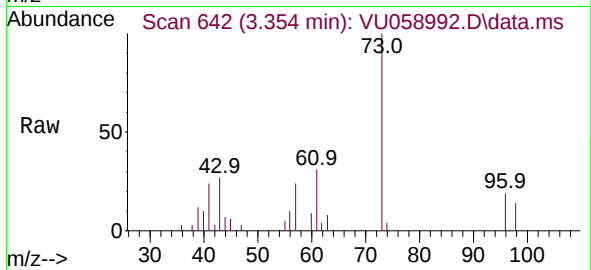




#18
Methyl tert-butyl Ether
Concen: 2.781 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

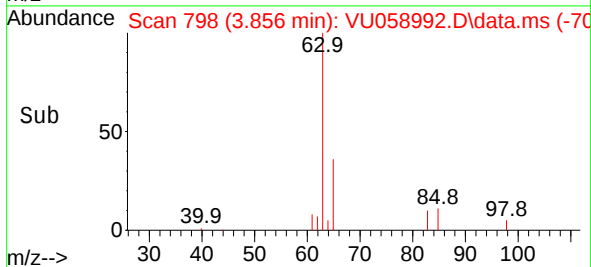
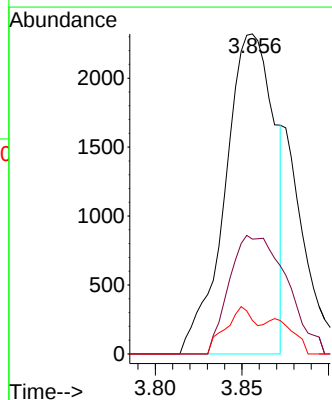
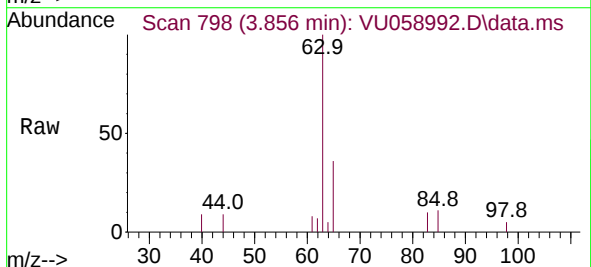
Instrument :
MSVOA_U
ClientSampleId :

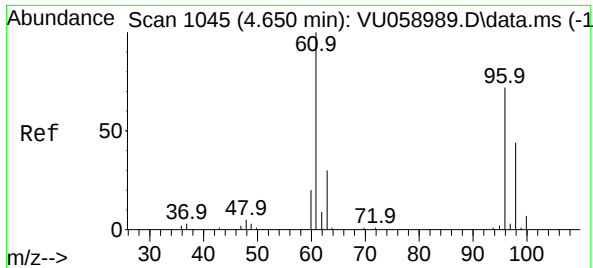
Tgt Ion: 73 Resp: 8705
Ion Ratio Lower Upper
73 100
43 22.1 15.4 23.2
57 24.1 18.6 27.8



#19
1,1-Dichloroethane
Concen: 2.276 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.000 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

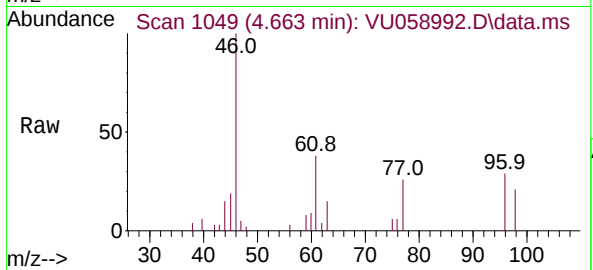
Tgt Ion: 63 Resp: 4585
Ion Ratio Lower Upper
63 100
65 35.9 22.3 41.3
83 10.5 8.5 15.9



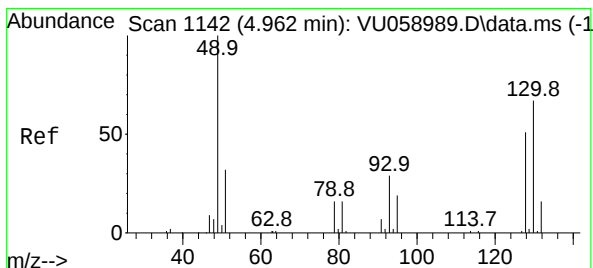
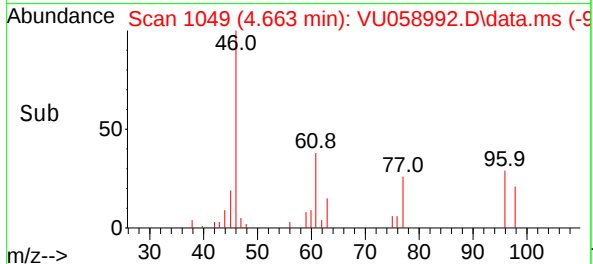
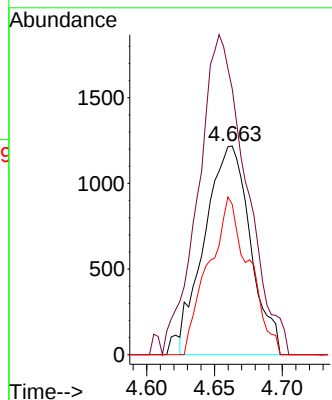


#20
cis-1,2-Dichloroethene
Concen: 2.733 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument :
MSVOA_U
ClientSampleId :

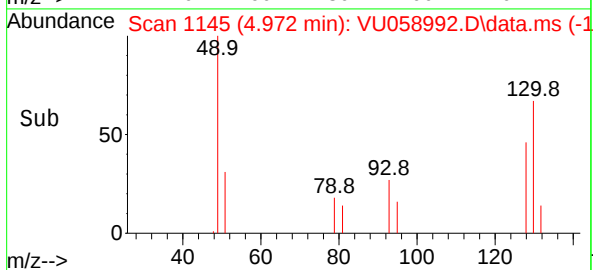
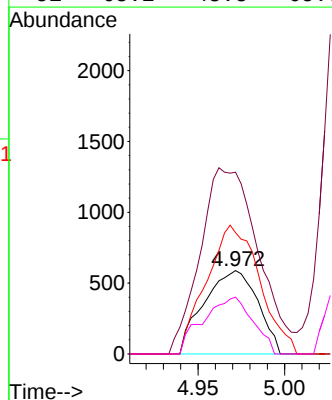
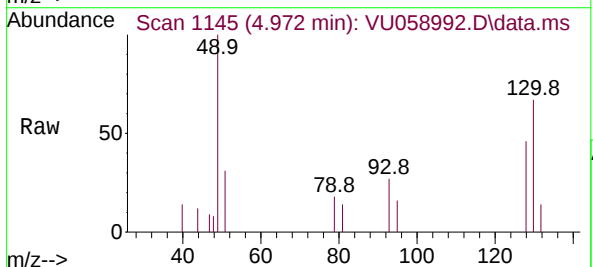


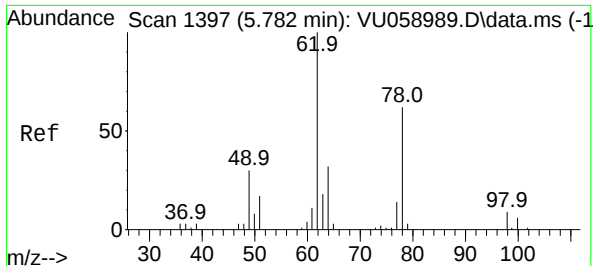
Tgt Ion: 96	Resp: 2861
Ion Ratio	Lower Upper
96 100	
61 127.5	91.1 169.3
98 72.1	44.4 82.4



#23
Bromochloromethane
Concen: 2.327 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.010 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt	Ion:128	Resp:	1270
Ion	Ratio	Lower	Upper
128	100		
49	218.2	123.8	229.8
130	145.6	90.6	168.2
51	68.2	43.8	65.6#

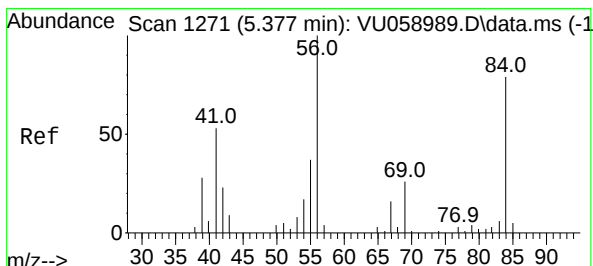
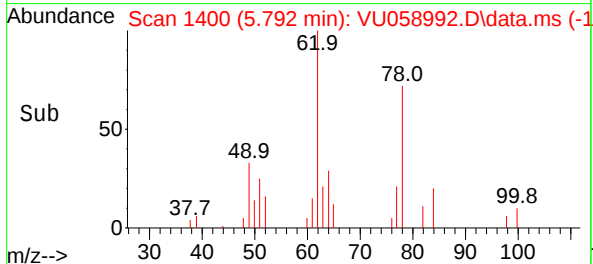
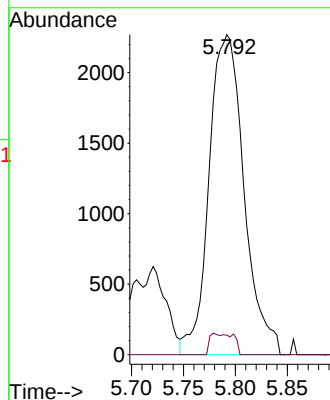
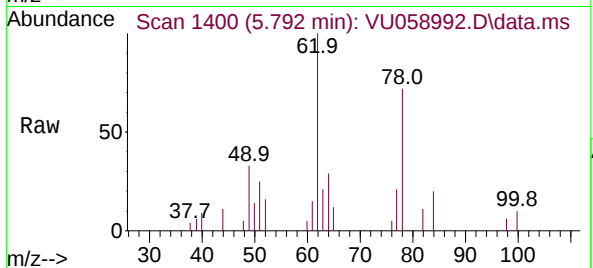




#27
1,2-Dichloroethane
Concen: 3.274 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

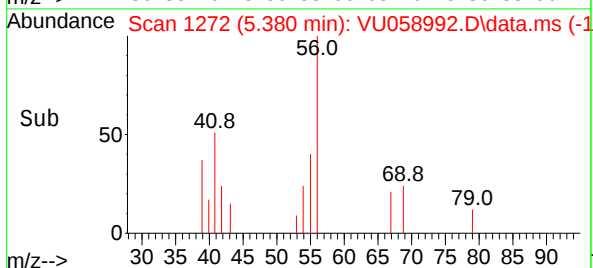
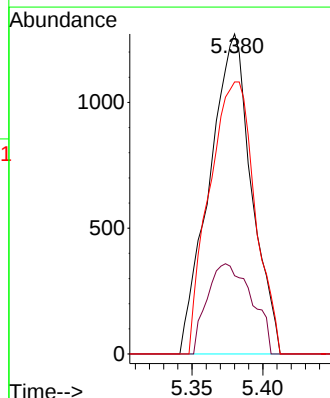
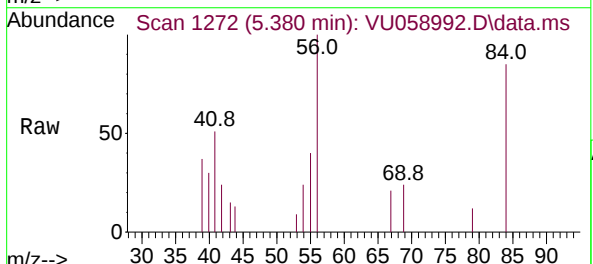
Instrument :
MSVOA_U
ClientSampleId :

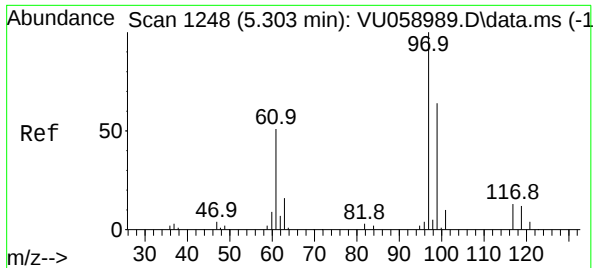
Tgt Ion: 62 Resp: 5316
Ion Ratio Lower Upper
62 100
98 6.1 7.0 10.4#



#29
Cyclohexane
Concen: 2.458 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 56 Resp: 2631
Ion Ratio Lower Upper
56 100
69 29.8 24.3 36.5
84 91.7 66.7 100.1

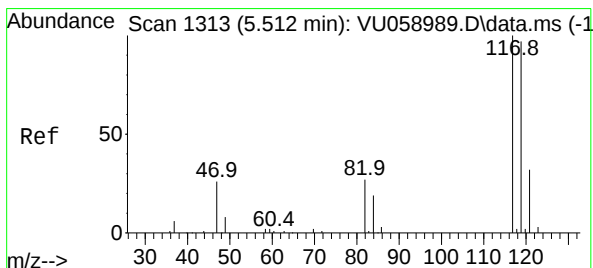
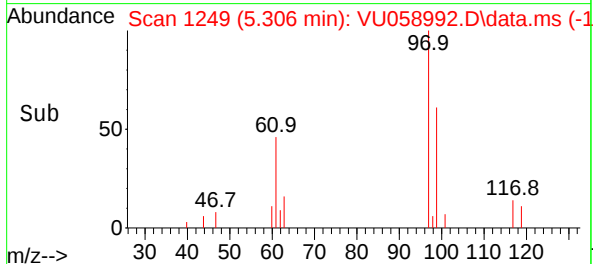
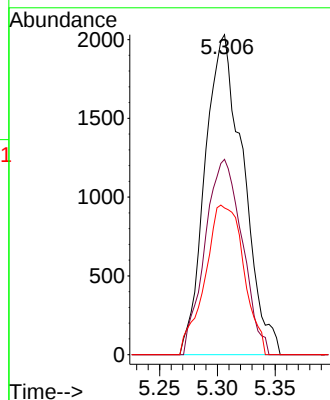
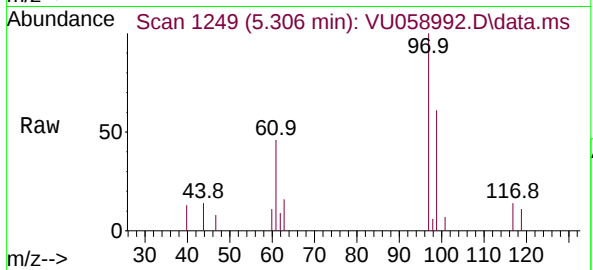




#30
1,1,1-Trichloroethane
Concen: 3.095 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

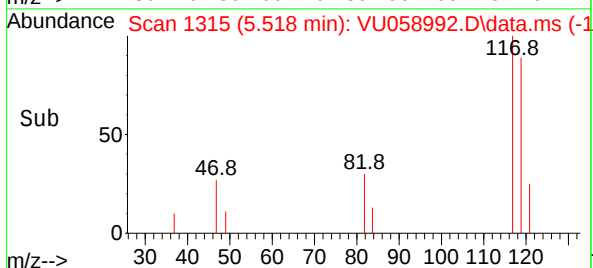
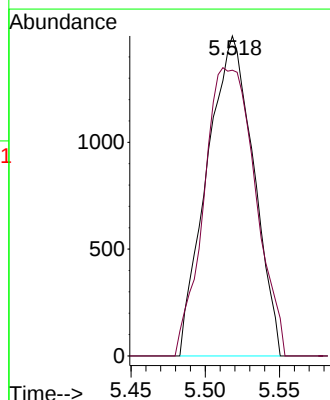
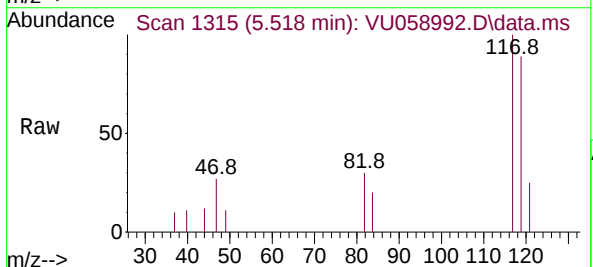
Instrument :
MSVOA_U
ClientSampleId :

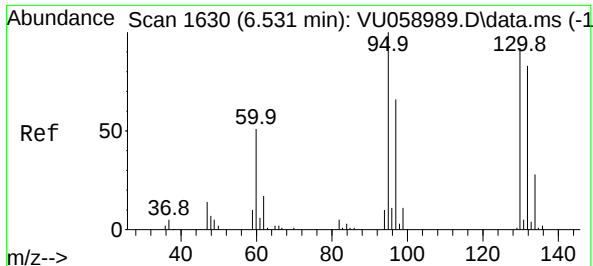
Tgt Ion: 97 Resp: 4672
Ion Ratio Lower Upper
97 100
99 59.4 51.8 77.8
61 47.5 38.9 58.3



#31
Carbon tetrachloride
Concen: 2.677 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 117 Resp: 3264
Ion Ratio Lower Upper
117 100
119 49.6 77.4 116.0#





#34

Trichloroethene

Concen: 3.286 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 3298

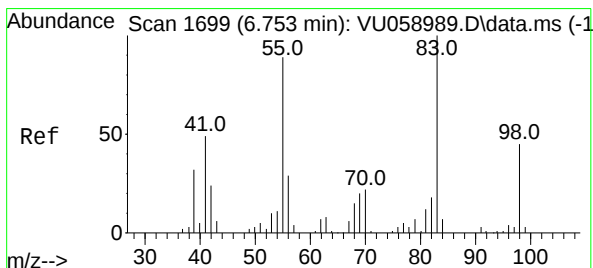
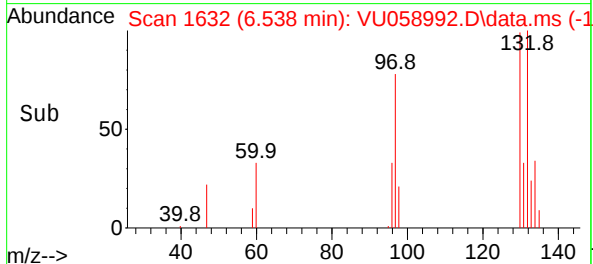
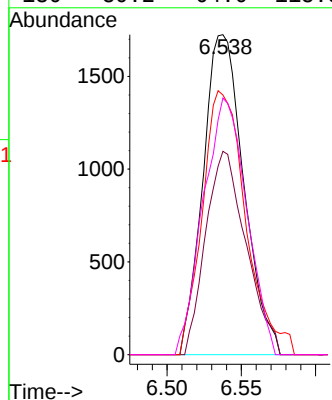
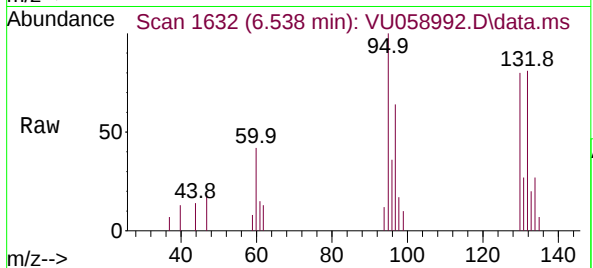
Ion Ratio Lower Upper

95 100

97 80.4 45.9 85.3

132 81.2 60.5 112.5

130 80.2 64.0 118.8



#35

Methylcyclohexane

Concen: 2.577 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

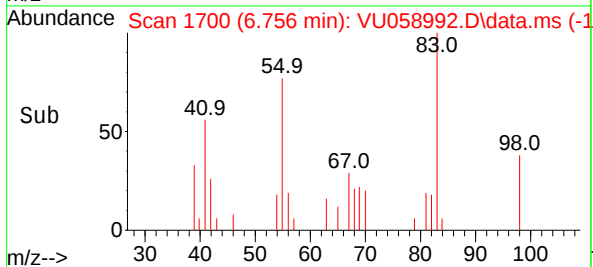
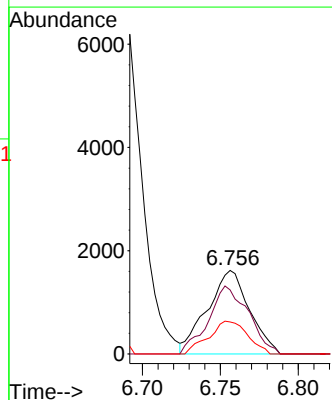
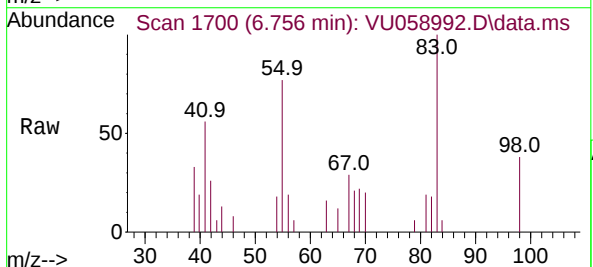
Tgt Ion: 83 Resp: 3031

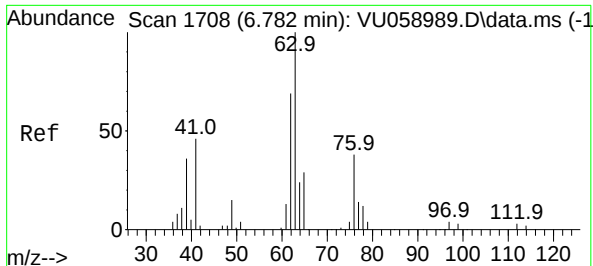
Ion Ratio Lower Upper

83 100

55 77.4 61.5 92.3

98 36.4 36.2 54.2





#37

1,2-Dichloropropane

Concen: 3.257 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

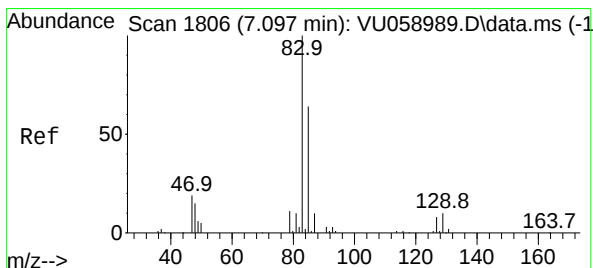
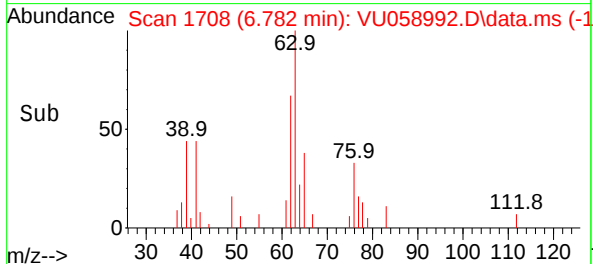
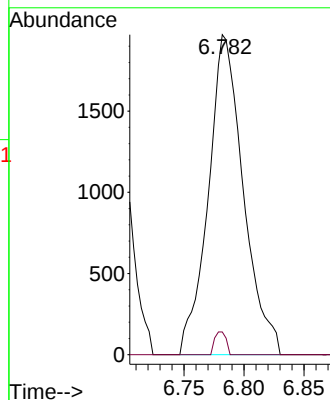
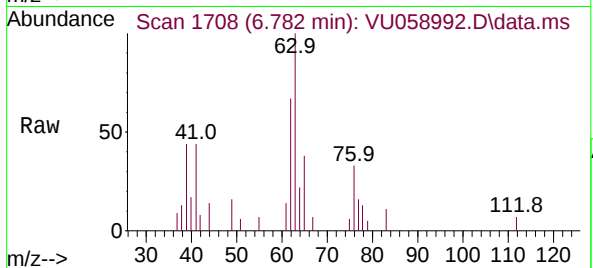
ClientSampleId :

Tgt Ion: 63 Resp: 4003

Ion Ratio Lower Upper

63 100

112 2.3 2.5 3.7#



#38

Bromodichloromethane

Concen: 2.950 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

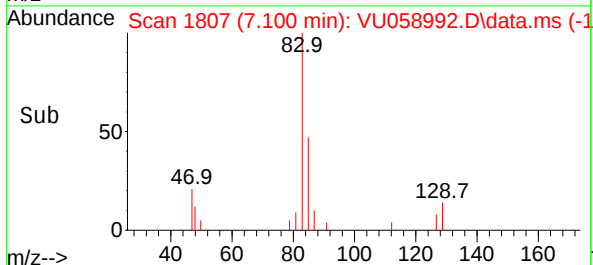
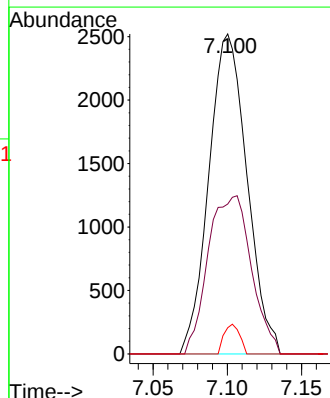
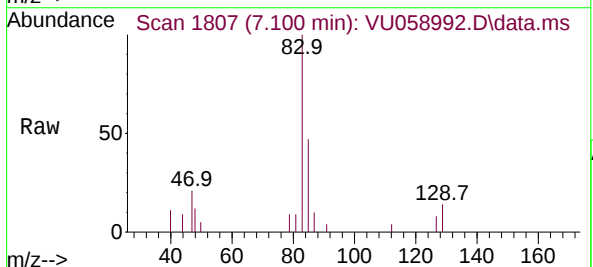
Tgt Ion: 83 Resp: 4505

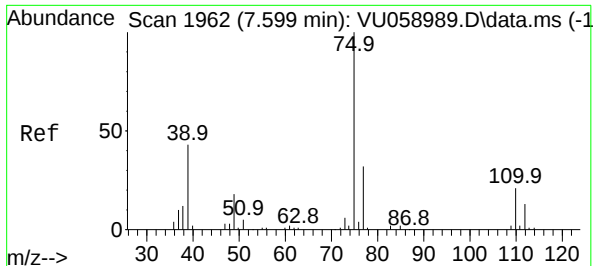
Ion Ratio Lower Upper

83 100

85 46.8 43.5 80.9

127 8.2 5.8 8.6

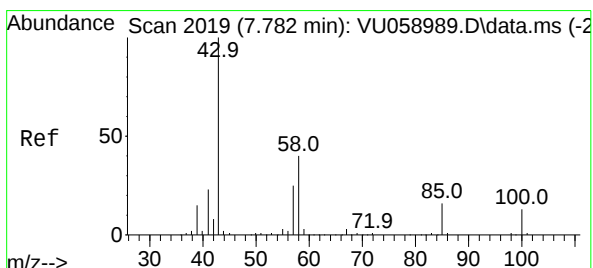
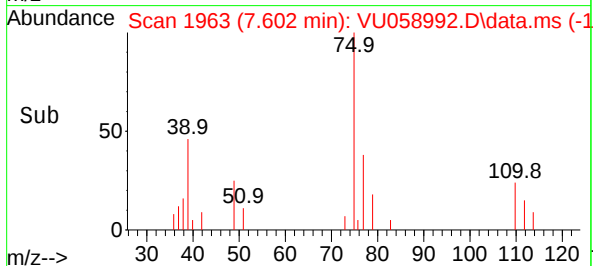
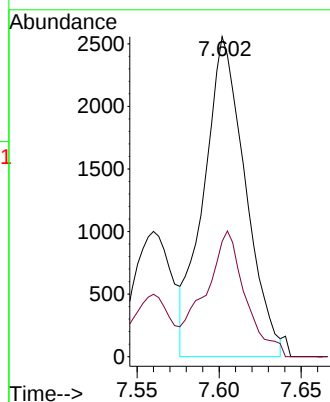
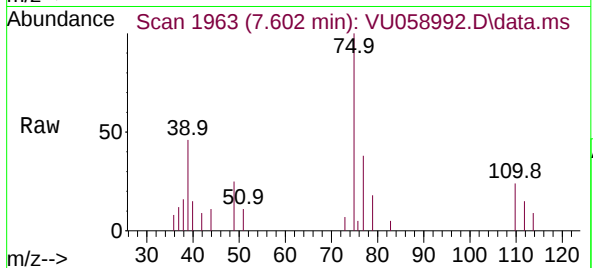




#39
 cis-1,3-Dichloropropene
 Concen: 2.660 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

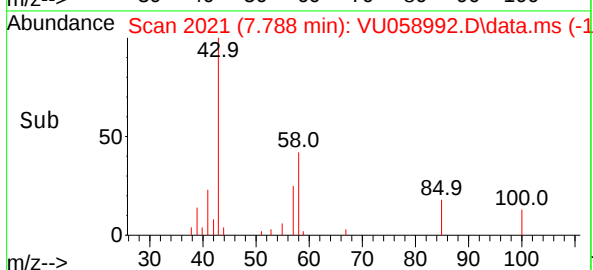
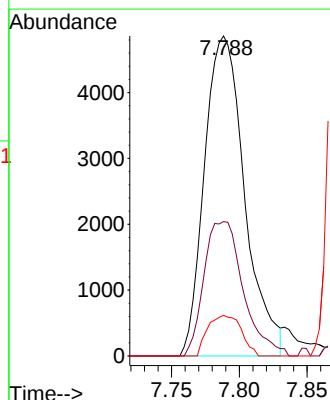
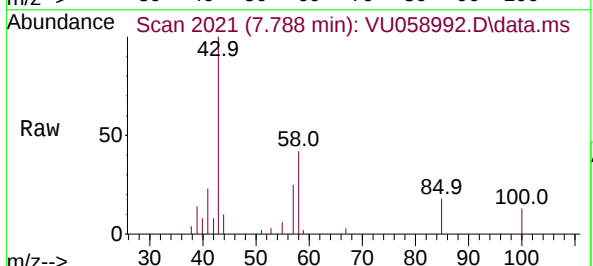
Instrument :
 MSVOA_U
 ClientSampleId :

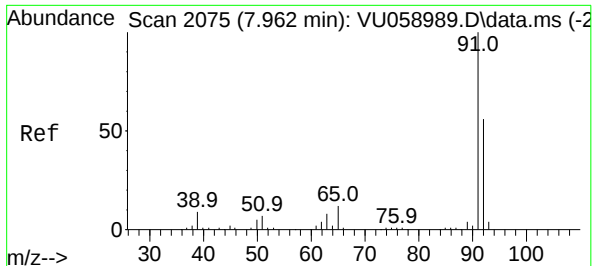
Tgt Ion: 75 Resp: 4502
 Ion Ratio Lower Upper
 75 100
 77 36.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 5.714 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.007 min
 Lab File: VU058992.D
 Acq: 25 May 2024 12:29

Tgt Ion: 43 Resp: 10010
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.5 50.3
 100 10.6 11.8 17.8#





#42

Toluene

Concen: 2.587 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

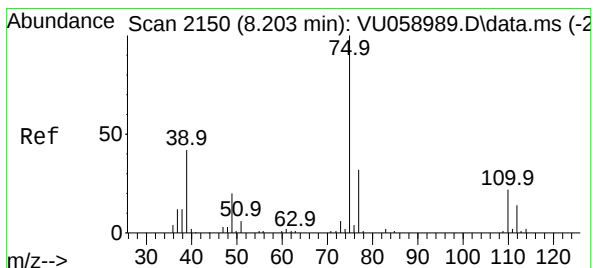
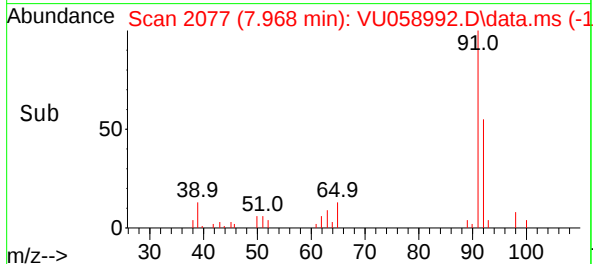
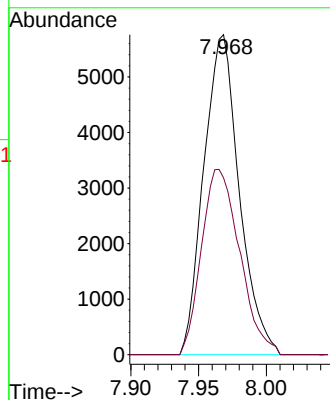
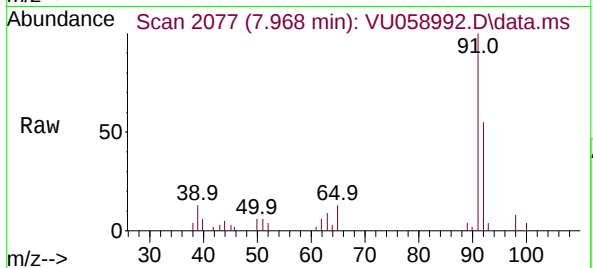
ClientSampleId :

Tgt Ion: 91 Resp: 10485

Ion Ratio Lower Upper

91 100

92 55.3 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 2.711 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058992.D

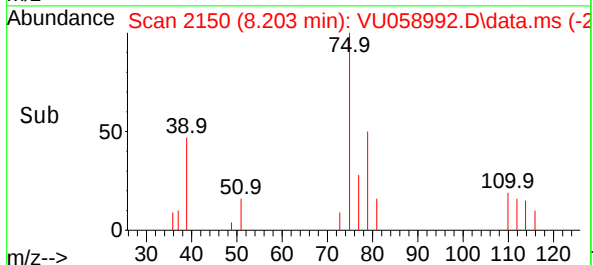
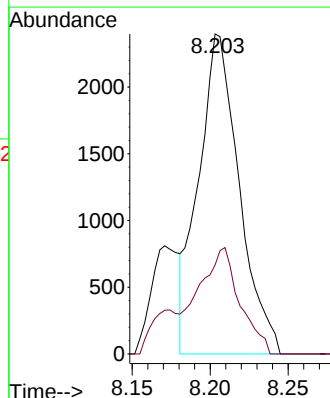
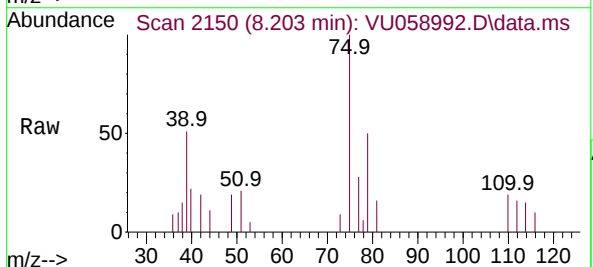
Acq: 25 May 2024 12:29

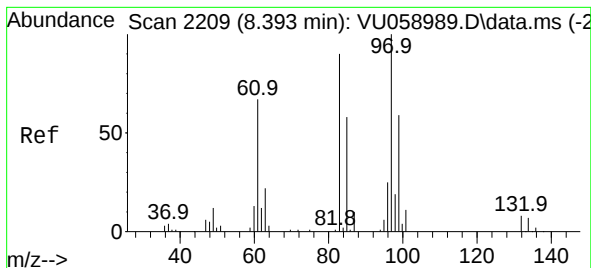
Tgt Ion: 75 Resp: 4344

Ion Ratio Lower Upper

75 100

77 27.8 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 2.814 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 3414

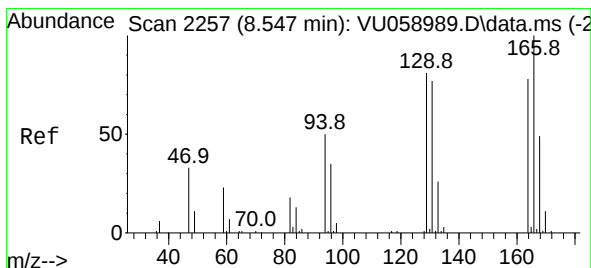
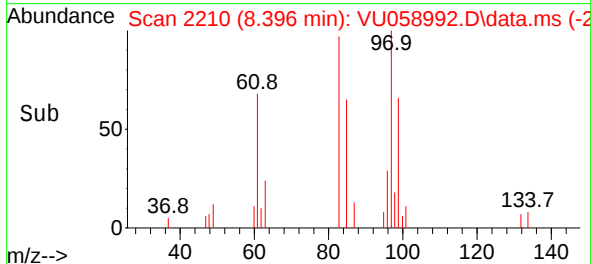
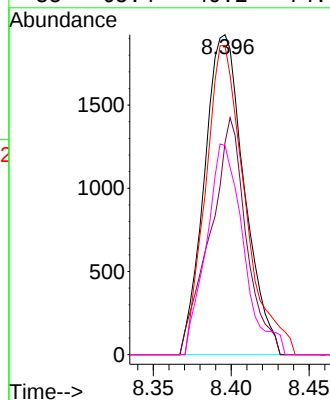
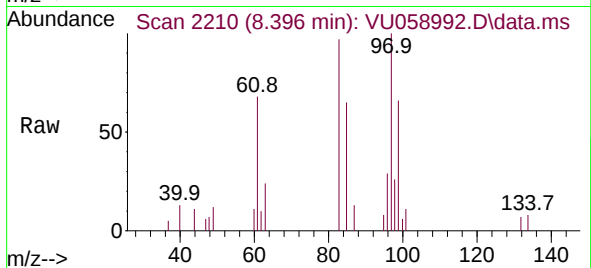
Ion Ratio Lower Upper

97 100

99 66.2 42.6 79.2

83 96.7 62.2 115.6

85 65.4 40.2 74.6



#46

Tetrachloroethene

Concen: 2.493 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Tgt Ion:164 Resp: 1668

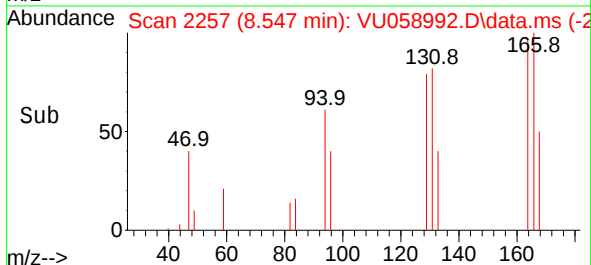
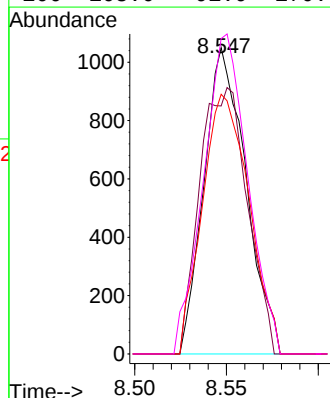
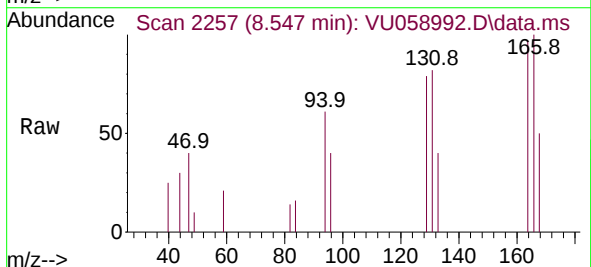
Ion Ratio Lower Upper

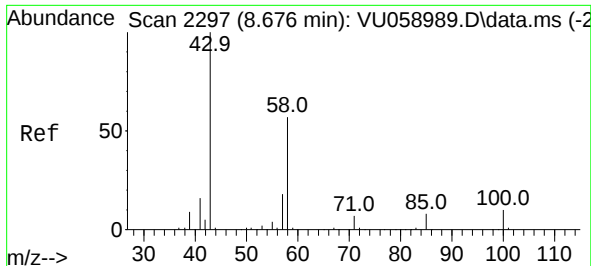
164 100

129 81.0 70.6 131.0

131 84.8 69.2 128.6

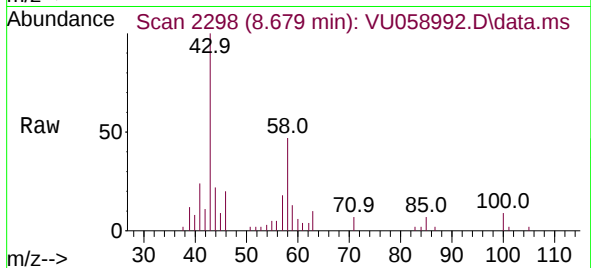
166 103.0 91.9 170.7



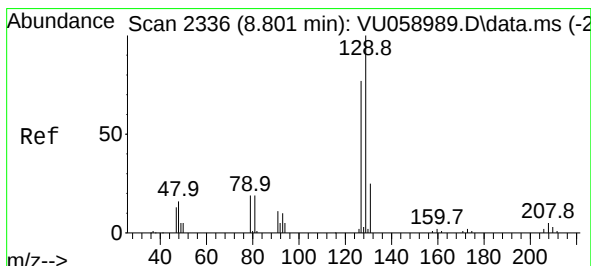
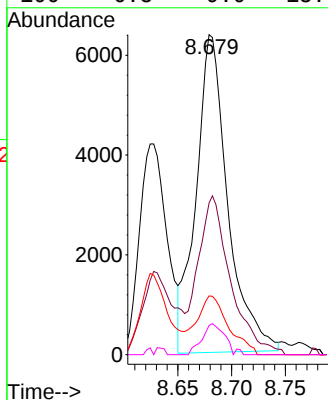
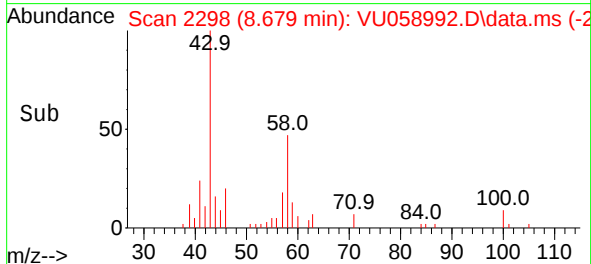


#48
2-Hexanone
Concen: 9.065 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Instrument :
MSVOA_U
ClientSampleId :

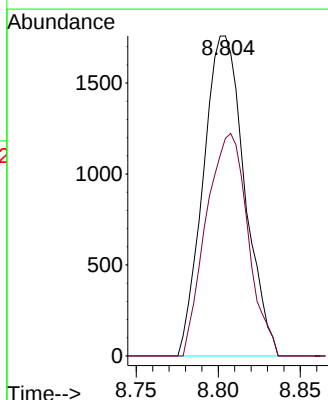
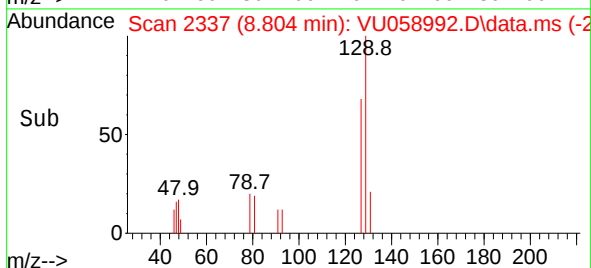
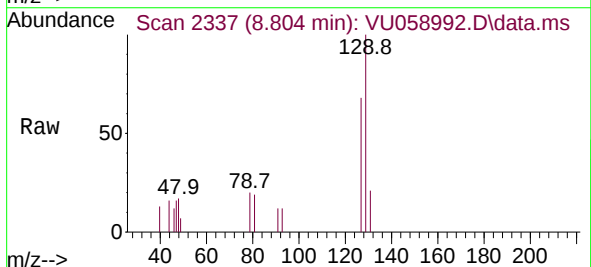


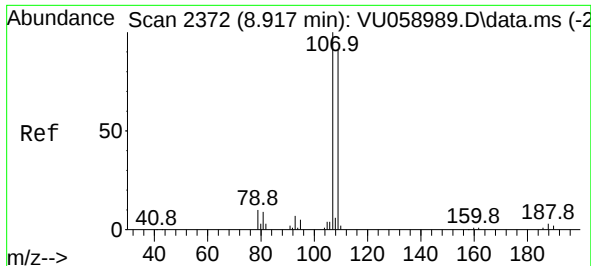
Tgt Ion: 43 Resp: 13076
Ion Ratio Lower Upper
43 100
58 44.8 47.8 71.6#
57 18.6 15.7 23.5
100 6.8 9.0 13.4#



#49
Dibromochloromethane
Concen: 2.660 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion: 129 Resp: 3084
Ion Ratio Lower Upper
129 100
127 68.0 56.8 105.4





#50

1,2-Dibromoethane

Concen: 2.859 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058992.D

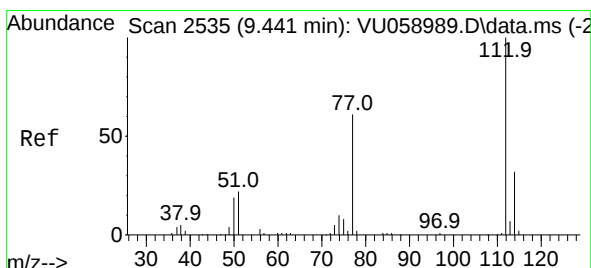
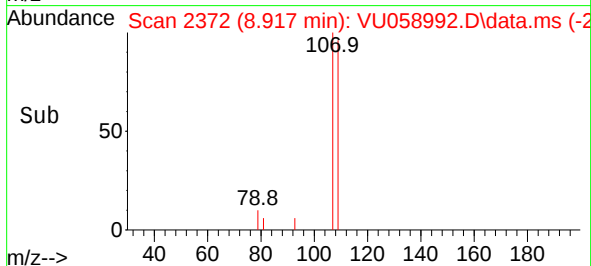
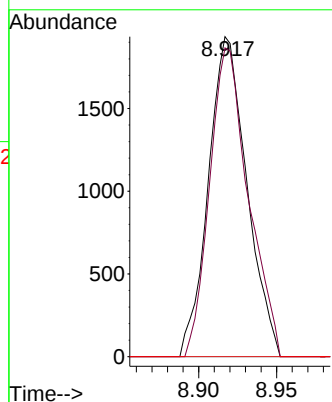
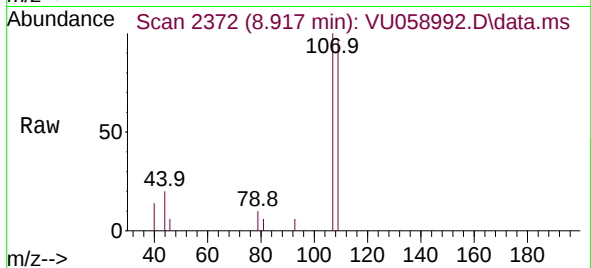
Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	3314
Ion	Ratio	Lower	Upper
107	100		
109	96.5	68.0	126.2
188	0.0	2.6	3.8#



#51

Chlorobenzene

Concen: 2.876 ug/L

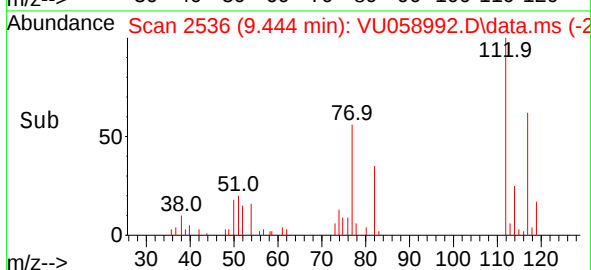
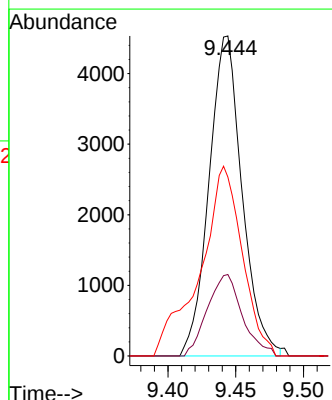
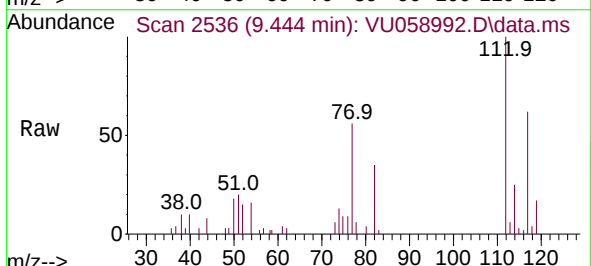
RT: 9.444 min Scan# 2536

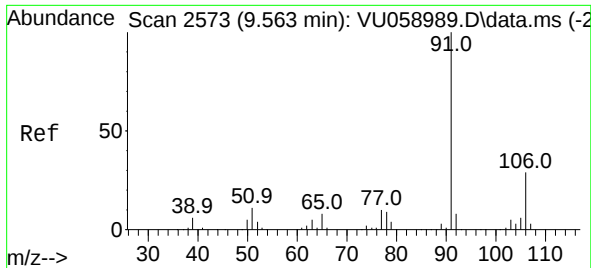
Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Tgt Ion:	112	Resp:	7704
Ion	Ratio	Lower	Upper
112	100		
114	25.5	21.8	40.6
77	61.4	48.8	73.2

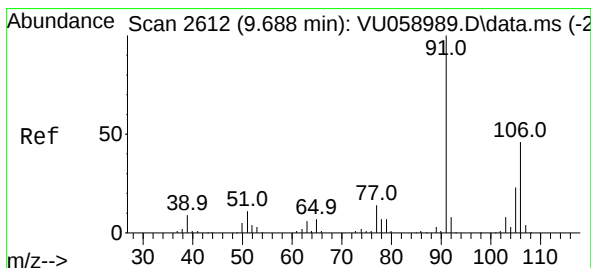
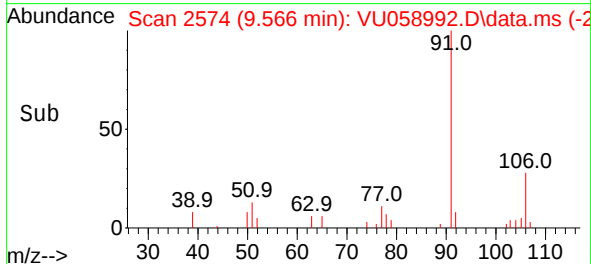
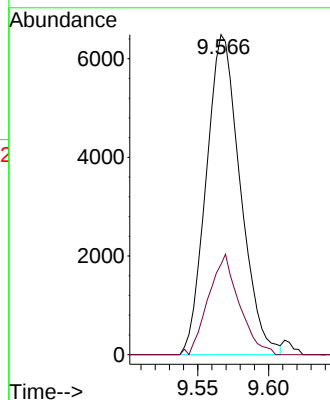
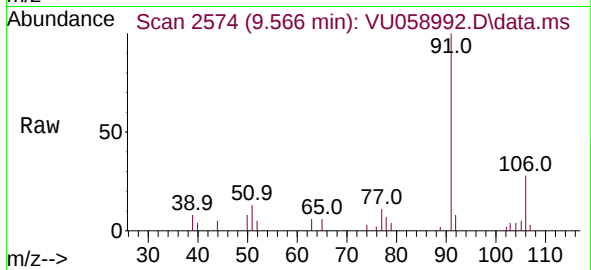




#52
Ethylbenzene
Concen: 2.469 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

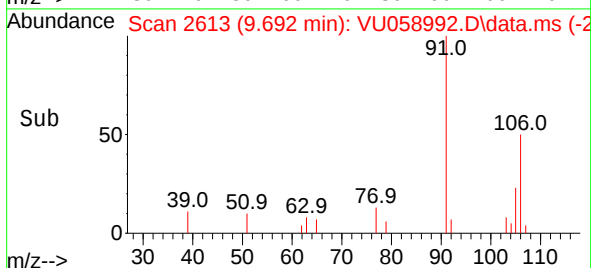
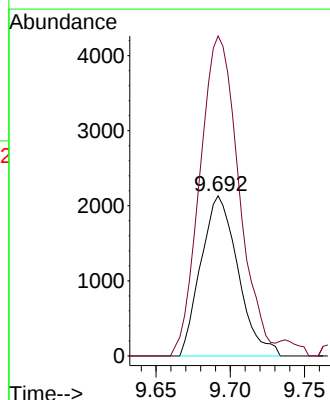
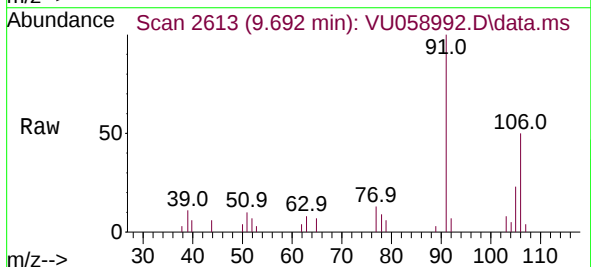
Instrument :
MSVOA_U
ClientSampleId :

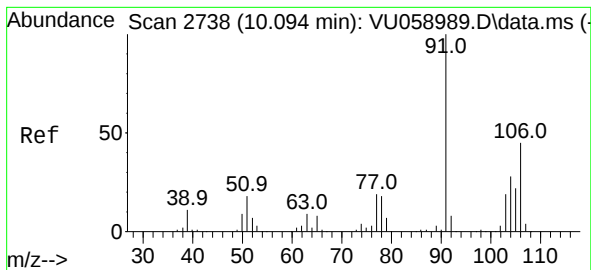
Tgt Ion: 91 Resp: 10831
Ion Ratio Lower Upper
91 100
106 31.3 20.8 38.6



#53
m,p-Xylene
Concen: 2.348 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU058992.D
Acq: 25 May 2024 12:29

Tgt Ion:106 Resp: 3699
Ion Ratio Lower Upper
106 100
91 199.7 145.7 270.7





#54

o-Xylene

Concen: 2.267 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

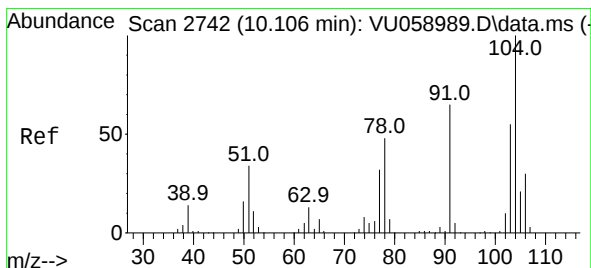
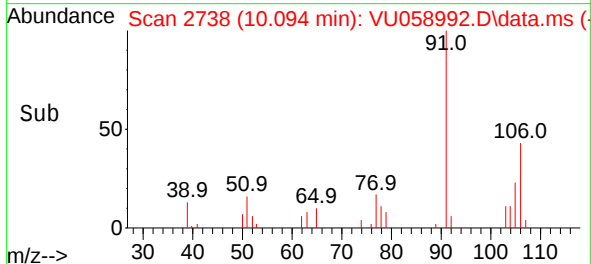
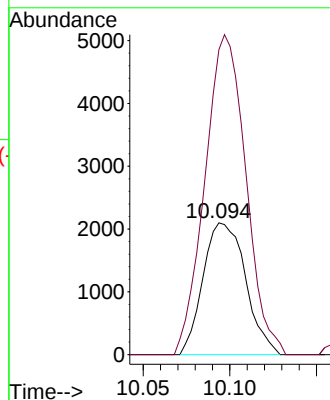
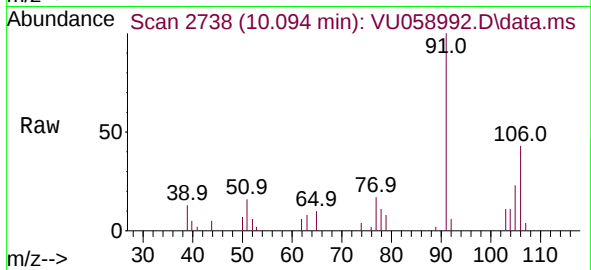
ClientSampleId :

Tgt Ion:106 Resp: 3575

Ion Ratio Lower Upper

106 100

91 231.5 154.0 286.0



#55

Styrene

Concen: 1.854 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.010 min

Lab File: VU058992.D

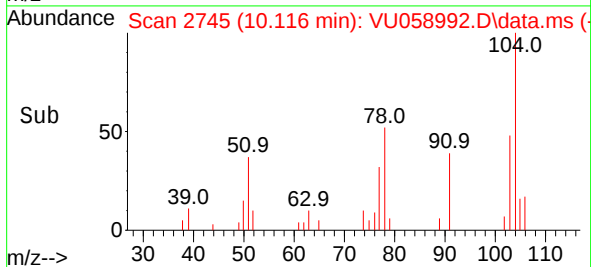
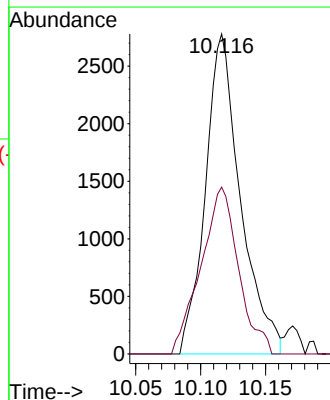
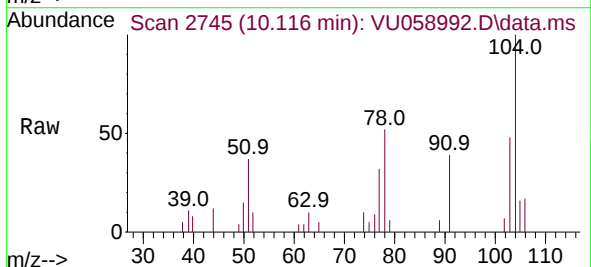
Acq: 25 May 2024 12:29

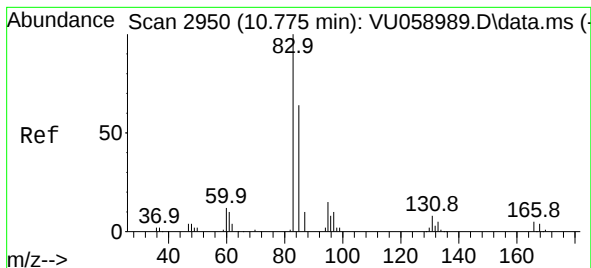
Tgt Ion:104 Resp: 5222

Ion Ratio Lower Upper

104 100

78 52.2 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 3.252 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

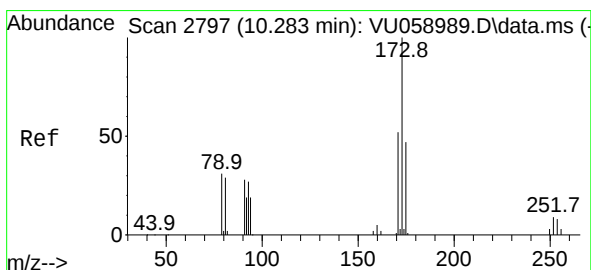
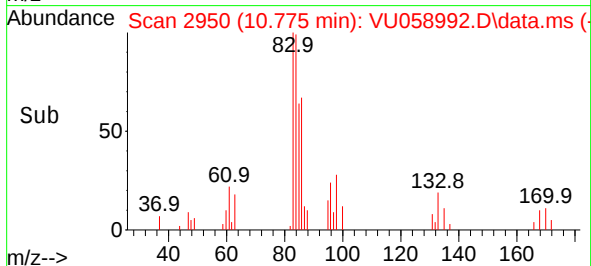
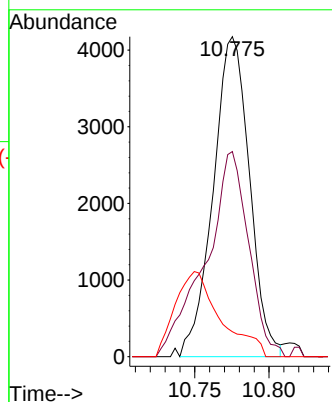
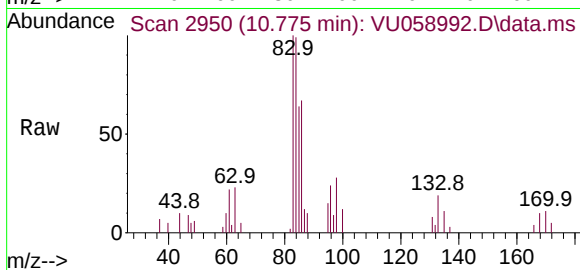
Tgt Ion: 83 Resp: 7111

Ion Ratio Lower Upper

83 100

85 64.1 43.5 80.9

131 7.8 7.1 10.7



#59

Bromoform

Concen: 3.098 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

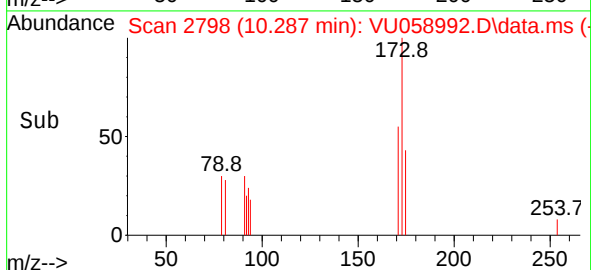
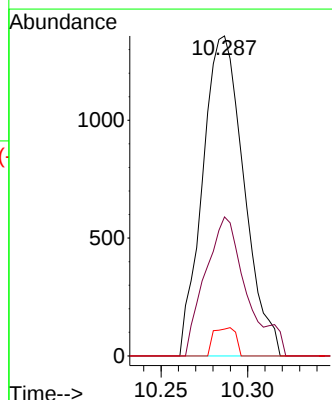
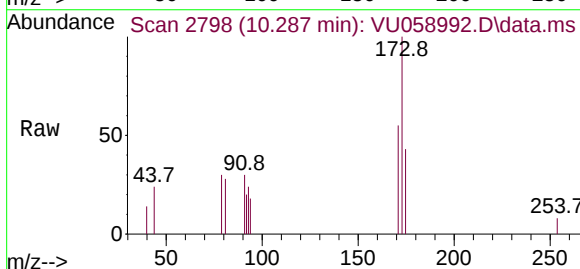
Tgt Ion: 173 Resp: 2252

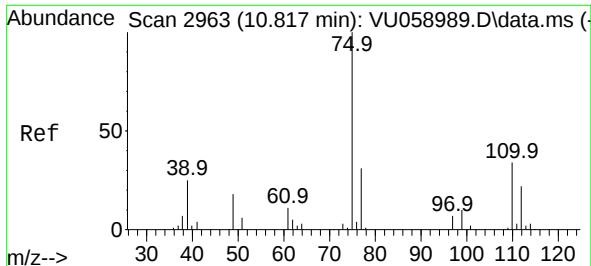
Ion Ratio Lower Upper

173 100

175 40.4 40.6 61.0#

254 0.0 7.3 10.9#





#60

1,2,3-Trichloropropane

Concen: 4.006 ug/L

RT: 10.814 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

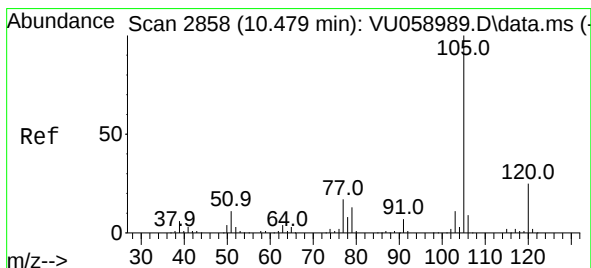
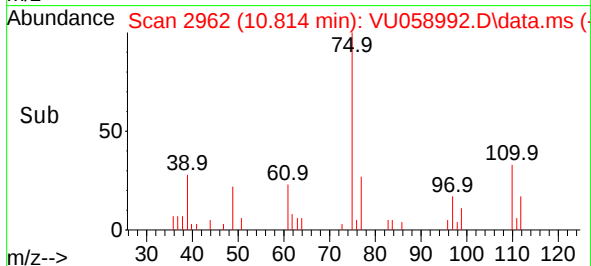
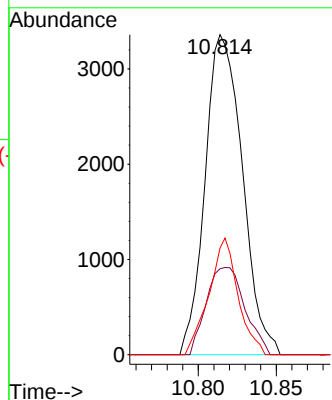
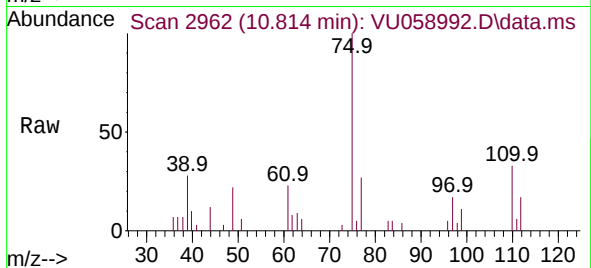
Tgt Ion: 75 Resp: 5590

Ion Ratio Lower Upper

75 100

77 28.2 25.8 38.6

110 28.6 28.3 42.5



#61

Isopropylbenzene

Concen: 2.733 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

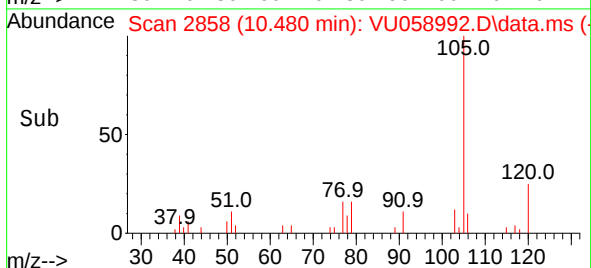
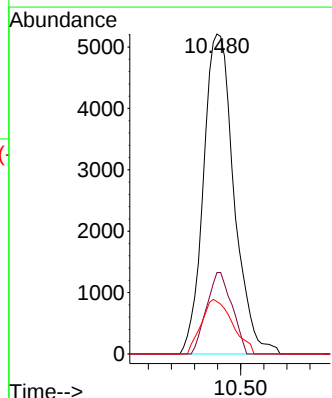
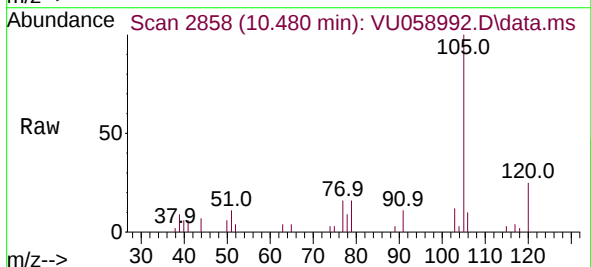
Tgt Ion: 105 Resp: 9571

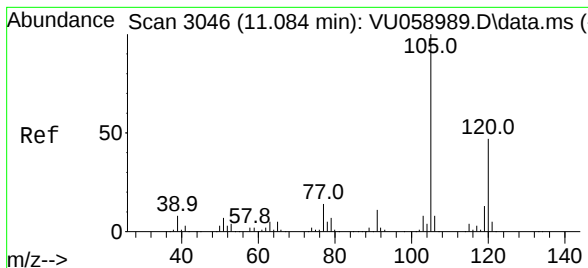
Ion Ratio Lower Upper

105 100

120 21.1 20.0 30.0

77 17.3 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 2.292 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

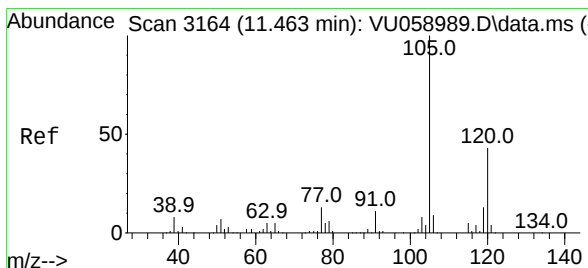
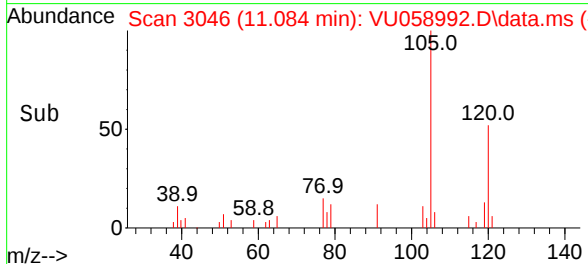
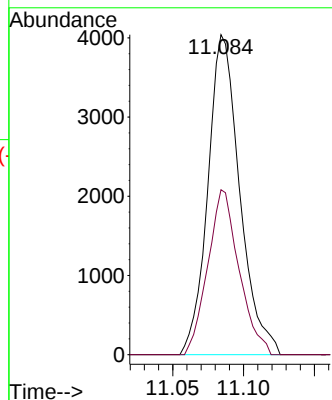
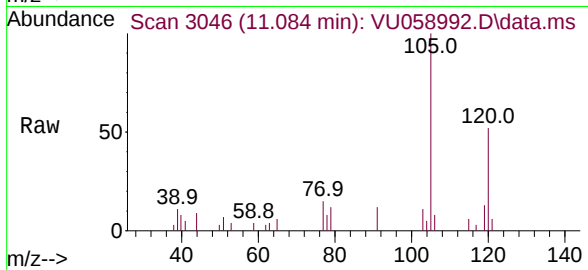
ClientSampleId :

Tgt Ion:105 Resp: 6324

Ion Ratio Lower Upper

105 100

120 50.5 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 2.518 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU058992.D

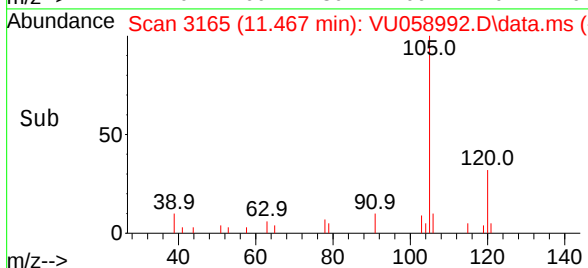
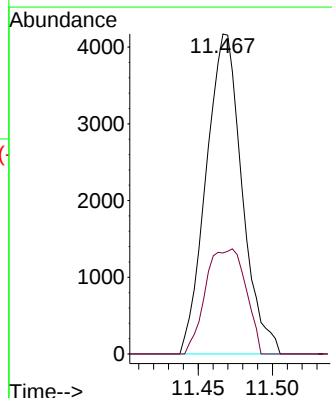
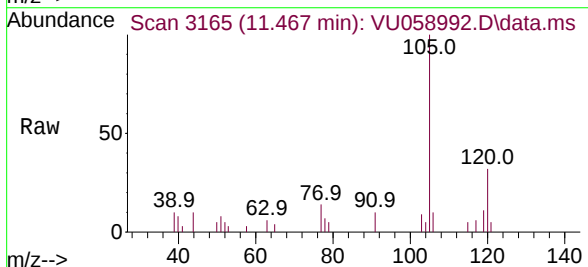
Acq: 25 May 2024 12:29

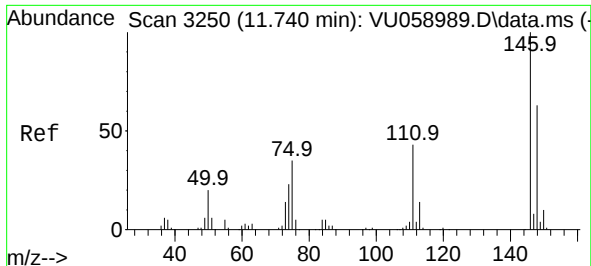
Tgt Ion:105 Resp: 7006

Ion Ratio Lower Upper

105 100

120 36.7 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 2.587 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

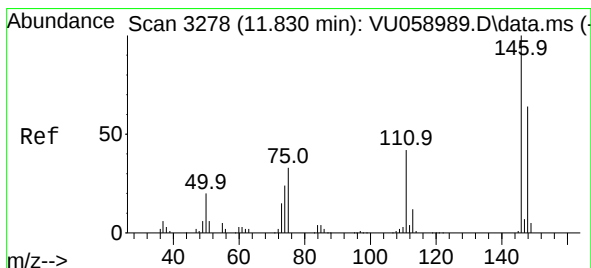
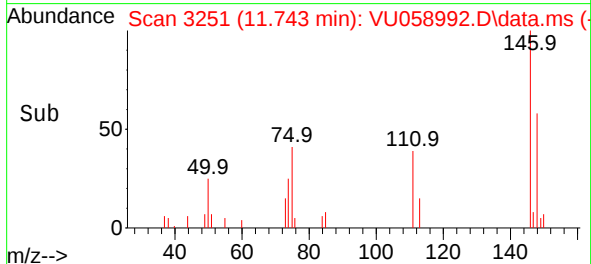
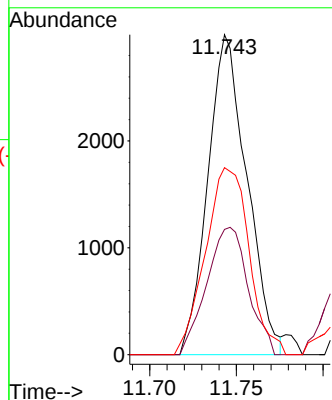
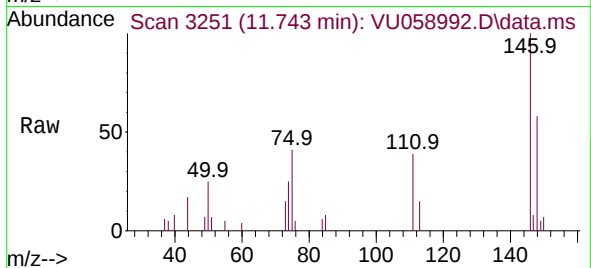
Tgt Ion:146 Resp: 4703

Ion Ratio Lower Upper

146 100

111 36.2 28.6 53.0

148 54.0 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 2.778 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

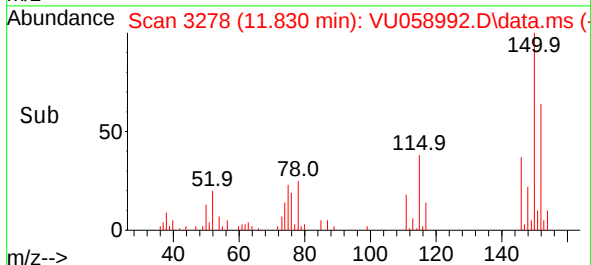
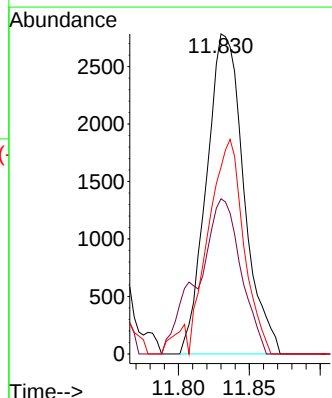
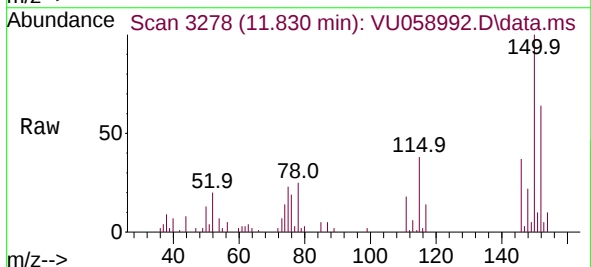
Tgt Ion:146 Resp: 5102

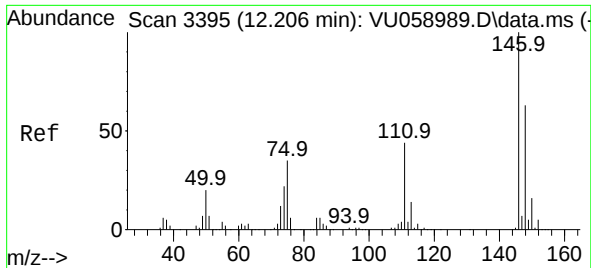
Ion Ratio Lower Upper

146 100

111 48.5 27.3 50.7

148 58.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 2.930 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

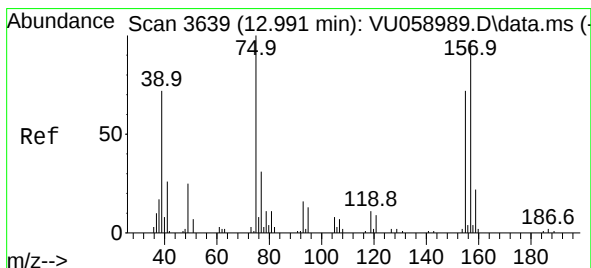
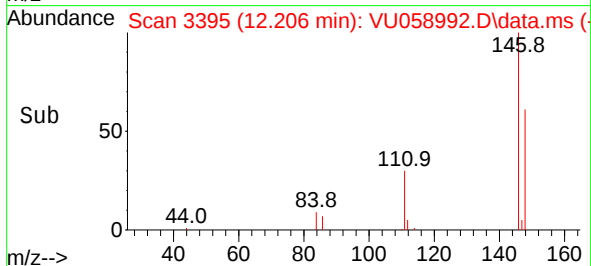
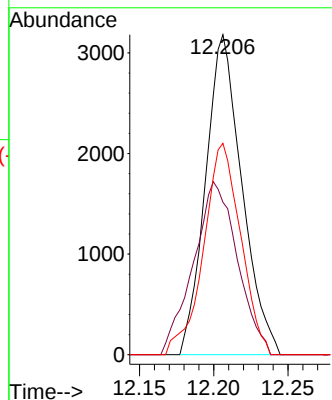
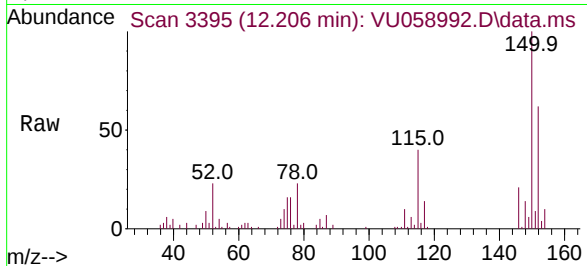
Tgt Ion:146 Resp: 5418

Ion Ratio Lower Upper

146 100

111 52.2 34.1 51.1#

148 66.0 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 3.263 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

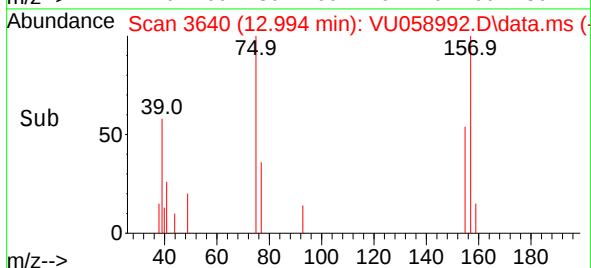
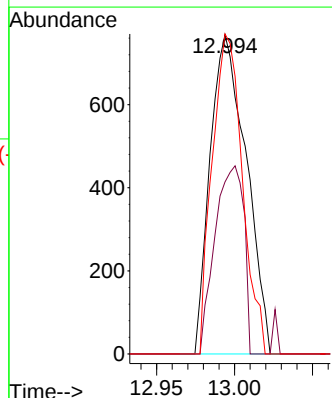
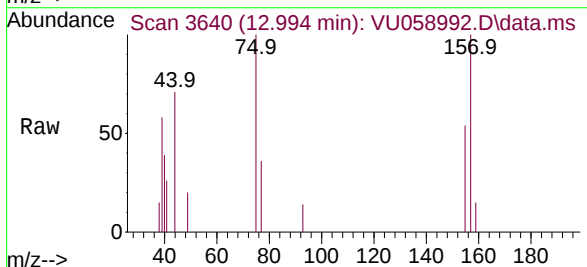
Tgt Ion: 75 Resp: 1232

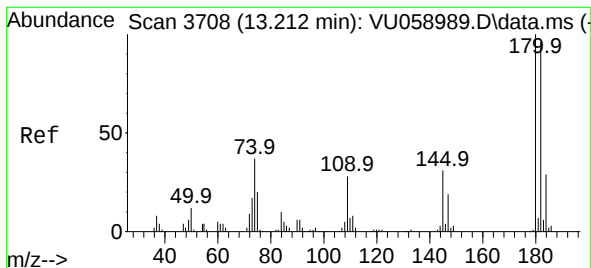
Ion Ratio Lower Upper

75 100

155 53.9 60.2 90.4#

157 100.3 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 2.282 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.010 min

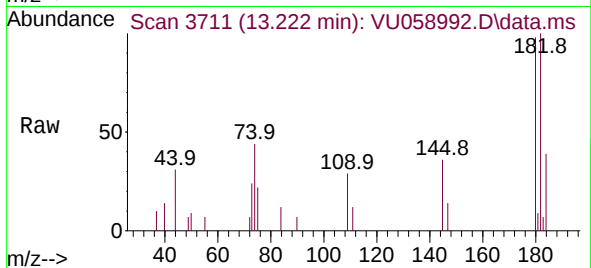
Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 2922

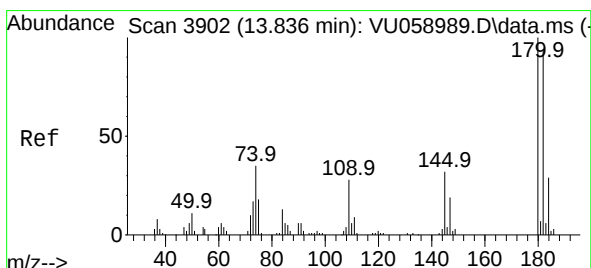
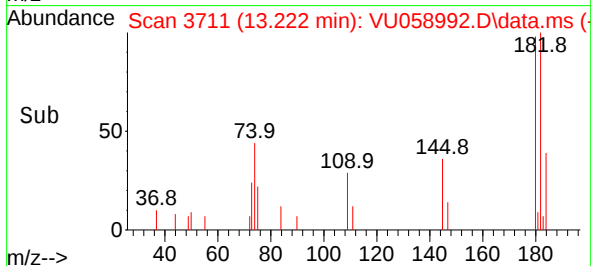
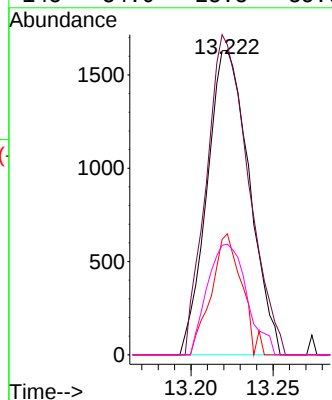
Ion Ratio Lower Upper

180 100

182 104.4 75.7 113.5

184 27.7 24.3 36.5

145 34.0 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 2.099 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.006 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

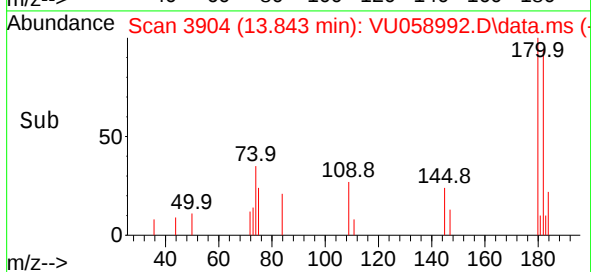
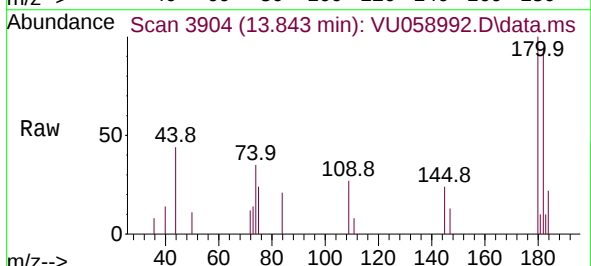
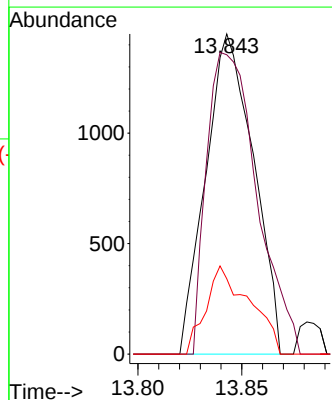
Tgt Ion:180 Resp: 2315

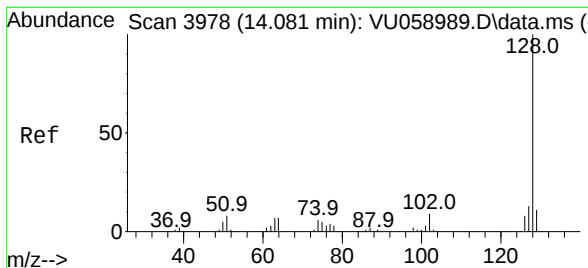
Ion Ratio Lower Upper

180 100

182 99.3 78.6 117.8

145 14.9 24.6 37.0#





#71

Naphthalene

Concen: 1.935 ug/L

RT: 14.094 min Scan# 3982

Delta R.T. 0.013 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Instrument :

MSVOA_U

ClientSampleId :

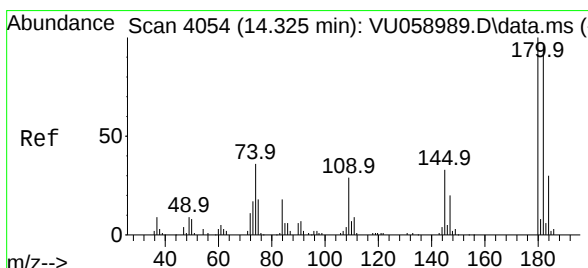
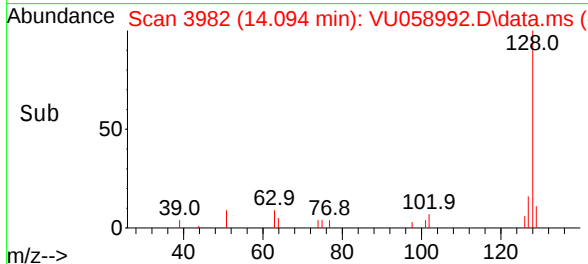
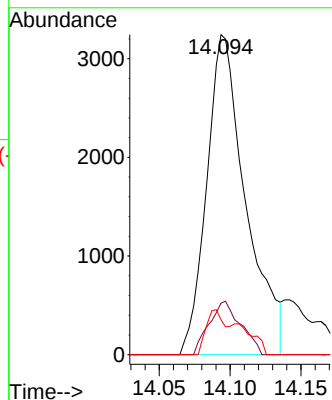
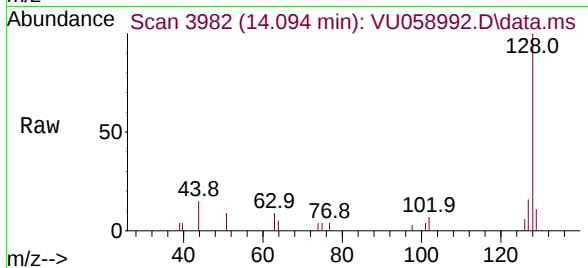
Tgt Ion:128 Resp: 6224

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

129 6.3 8.8 13.2#



#72

1,2,3-Trichlorobenzene

Concen: 2.232 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU058992.D

Acq: 25 May 2024 12:29

Tgt Ion:180 Resp: 2522

Ion Ratio Lower Upper

180 100

182 83.7 76.1 114.1

145 25.3 26.2 39.2#

