

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058945.D
 Acq On : 23 May 2024 12:43
 Operator : MD/SY
 Sample : VSTD050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 06:36:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	185581	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	191310	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	103971	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	96176	61.310	ug/L	0.00
7) Chloroethane-d5	1.907	69	80292	65.115	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	146210	52.985	ug/L	0.00
21) 2-Butanone-d5	4.618	46	140165	149.715	ug/L	0.00
24) Chloroform-d	5.055	84	166380	60.130	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	103119	59.210	ug/L	0.00
32) Benzene-d6	5.721	84	337511	56.683	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	107759	57.161	ug/L	0.00
41) Toluene-d8	7.891	98	303920	56.524	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	48425	53.522	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	93529	120.010	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	161291	63.555	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	107552	53.251	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	59667	38.841	ug/L	100
3) Chloromethane	1.518	50	62010	42.197	ug/L	100
5) Vinyl chloride	1.602	62	71844	45.740	ug/L	100
6) Bromomethane	1.853	94	41192	43.277	ug/L	100
8) Chloroethane	1.930	64	49328	51.462	ug/L	100
9) Trichlorofluoromethane	2.136	101	100205	45.582	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	68142	51.390	ug/L	100
12) 1,1-Dichloroethene	2.576	96	54100	45.618	ug/L	100
13) Acetone	2.628	43	101024	96.579	ug/L	100
14) Carbon disulfide	2.788	76	102628	30.218	ug/L	100
15) Methyl Acetate	2.943	43	95553	65.573	ug/L	100
16) Methylene chloride	3.039	84	74929	52.569	ug/L	100
17) trans-1,2-Dichloroethene	3.348	96	54471	45.202	ug/L	100
18) Methyl tert-butyl Ether	3.354	73	217626	50.145	ug/L	100
19) 1,1-Dichloroethane	3.859	63	140075	55.213	ug/L	100
20) cis-1,2-Dichloroethene	4.660	96	73280	51.079	ug/L	100
22) 2-Butanone	4.698	43	144329	121.326	ug/L	100
23) Bromochloromethane	4.968	128	37899	53.351	ug/L	100
25) Chloroform	5.078	83	146472	56.039	ug/L	100
27) 1,2-Dichloroethane	5.788	62	112512	52.667	ug/L	100
29) Cyclohexane	5.383	56	80701	35.249	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	111139	46.260	ug/L	100
31) Carbon tetrachloride	5.518	117	88723	43.098	ug/L	100
33) Benzene	5.769	78	273847	46.577	ug/L	100
34) Trichloroethene	6.537	95	73722	46.576	ug/L	100
35) Methylcyclohexane	6.759	83	86387	36.067	ug/L	100
37) 1,2-Dichloropropane	6.785	63	87786	52.602	ug/L	100
38) Bromodichloromethane	7.100	83	112310	53.464	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	123104	46.901	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	268423	123.654	ug/L	100
42) Toluene	7.965	91	309108	49.521	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	119535	49.106	ug/L	100

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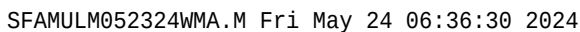
Instrument :
 MSVOA_U
 ClientSampleId :

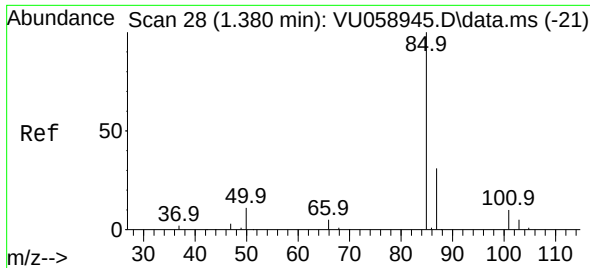
Quant Time: May 24 06:36:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	87854	56.110	ug/L	100
46) Tetrachloroethene	8.547	164	48356	44.539	ug/L	100
48) 2-Hexanone	8.676	43	218997	117.628	ug/L	100
49) Dibromochloromethane	8.804	129	83240	53.585	ug/L	100
50) 1,2-Dibromoethane	8.917	107	84897	51.918	ug/L	100
51) Chlorobenzene	9.441	112	199170	50.122	ug/L	100
52) Ethylbenzene	9.563	91	330361	47.153	ug/L	100
53) m,p-Xylene	9.688	106	120076	46.948	ug/L	100
54) o-Xylene	10.094	106	119797	47.780	ug/L	100
55) Styrene	10.110	104	222676	52.209	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	161221	61.992	ug/L	100
59) Bromoform	10.283	173	64995	53.378	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	125854	56.207	ug/L	100
61) Isopropylbenzene	10.479	105	331425	45.251	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	261986	43.155	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	269094	44.074	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	162645	50.016	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	166858	49.784	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	164872	50.071	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	35544	61.333	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	115119	50.475	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	98846	50.628	ug/L	100
71) Naphthalene	14.081	128	295977	55.086	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	104361	55.383	ug/L	100

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

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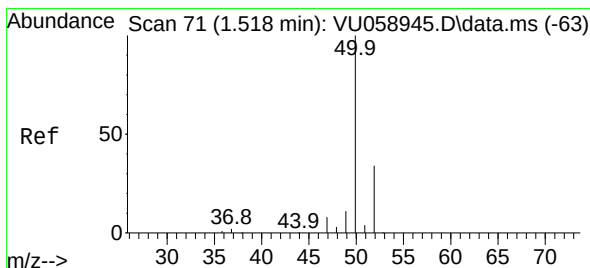
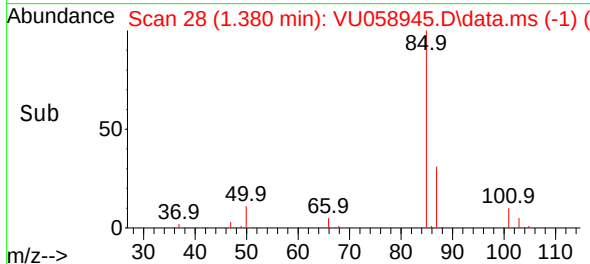
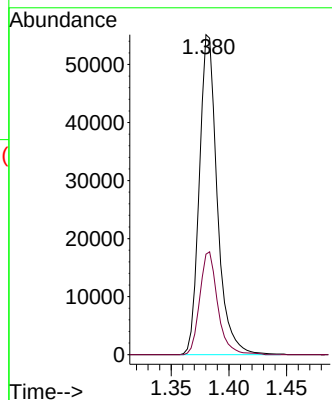
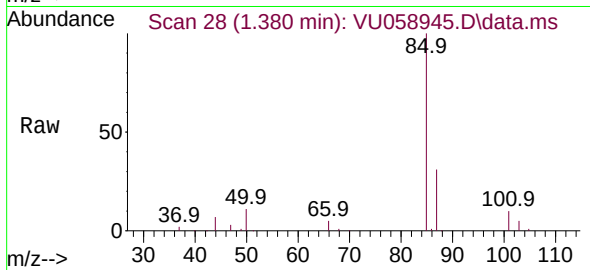




#2
 Dichlorodifluoromethane
 Concen: 38.841 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU058945.D
 Acq: 23 May 2024 12:43

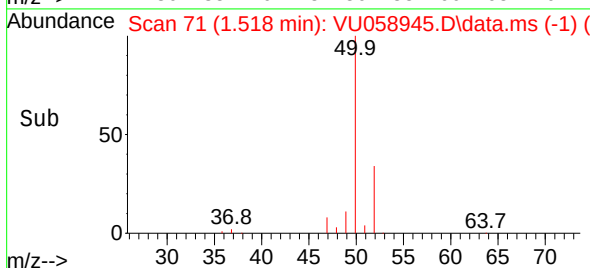
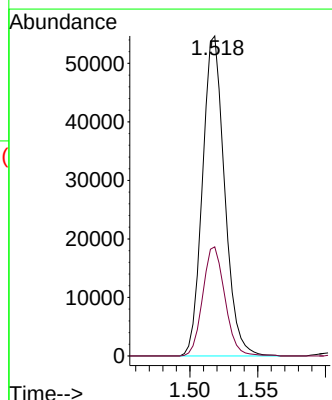
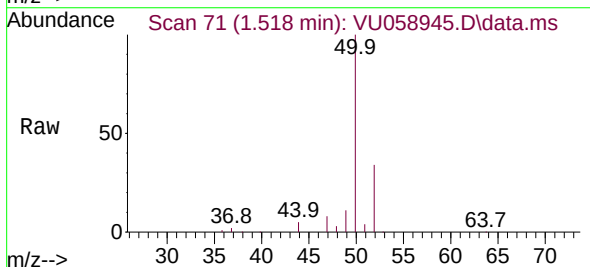
Instrument :
 MSVOA_U
 ClientSampleId :

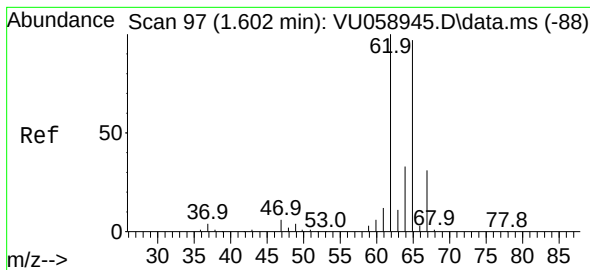
Tgt Ion: 85 Resp: 59667
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#3
 Chloromethane
 Concen: 42.197 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU058945.D
 Acq: 23 May 2024 12:43

Tgt Ion: 50 Resp: 62010
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.9 44.3





#5

Vinyl chloride

Concen: 45.740 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

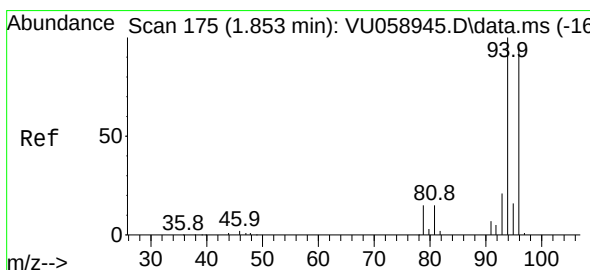
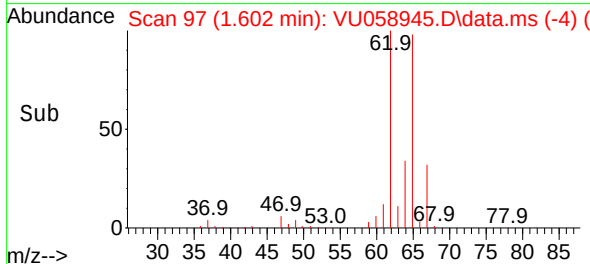
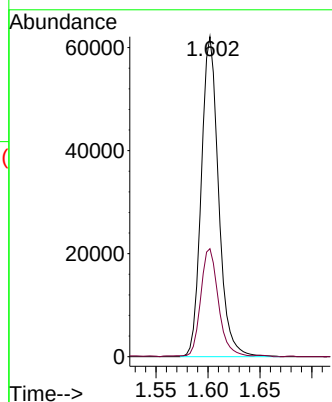
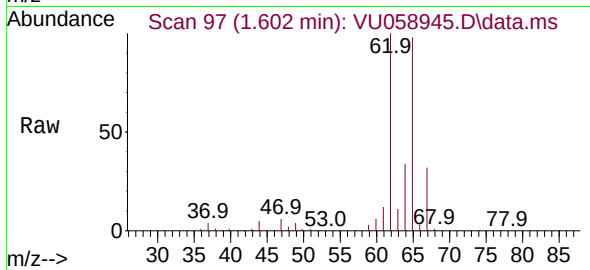
ClientSampleId :

Tgt Ion: 62 Resp: 71844

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 43.277 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU058945.D

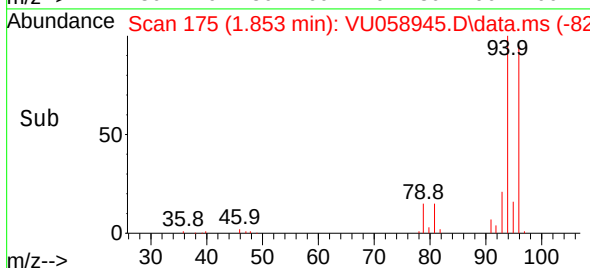
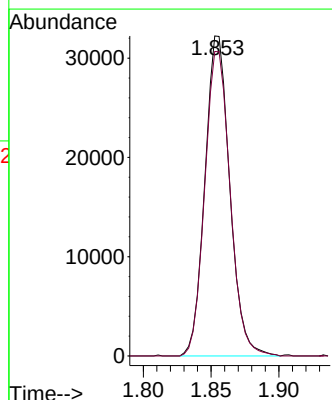
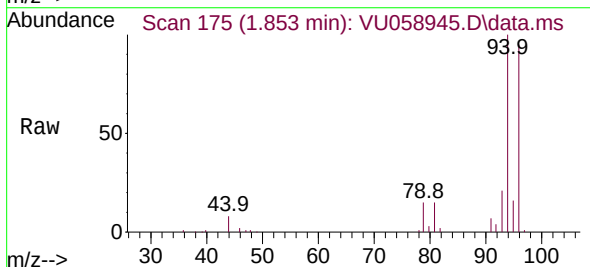
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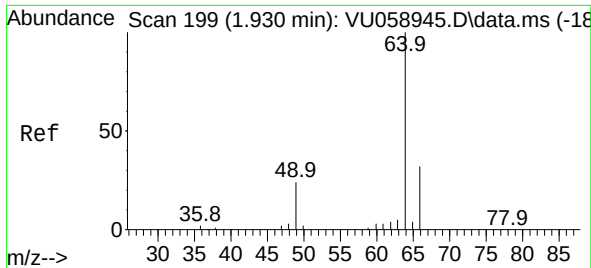
Tgt Ion: 94 Resp: 41192

Ion Ratio Lower Upper

94 100

96 95.1 66.6 123.6

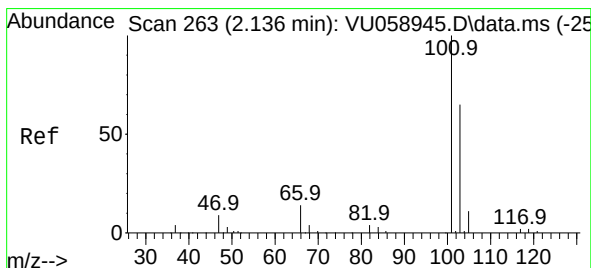
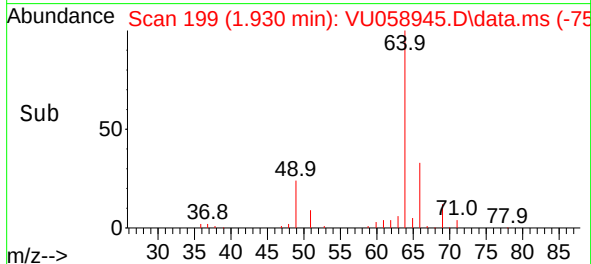
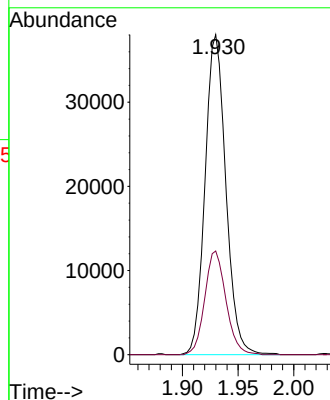
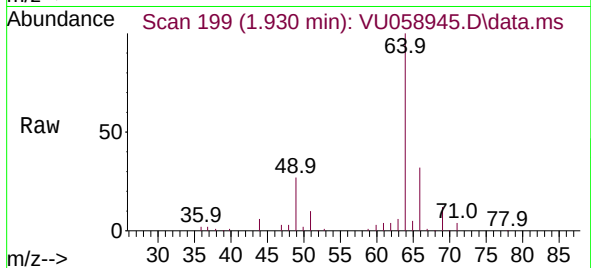




#8
Chloroethane
Concen: 51.462 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

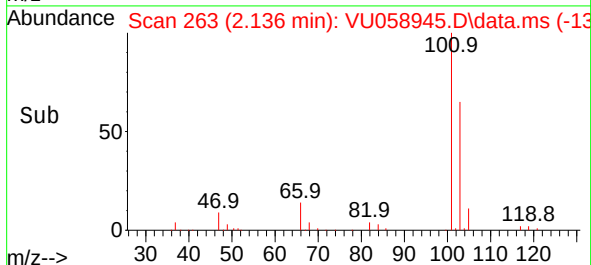
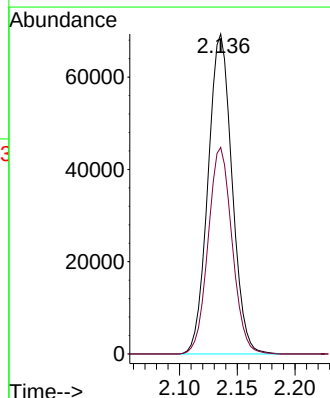
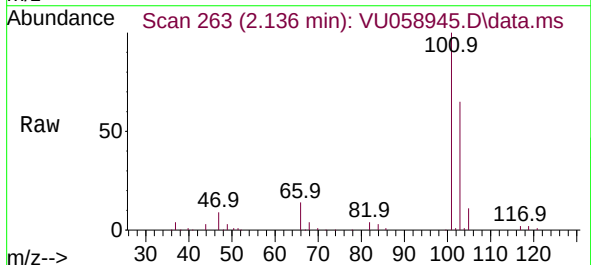
Instrument :
MSVOA_U
ClientSampleId :

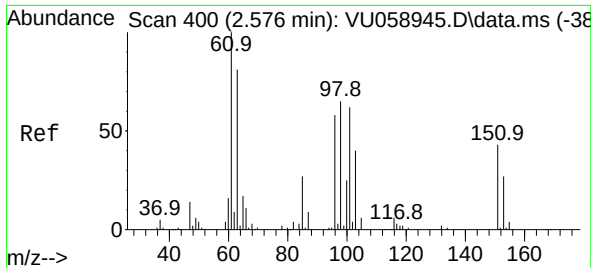
Tgt Ion: 64 Resp: 49328
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 45.582 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion:101 Resp: 100205
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

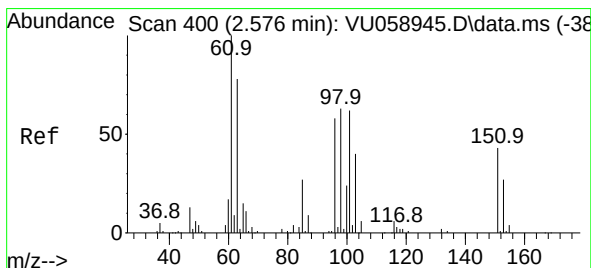
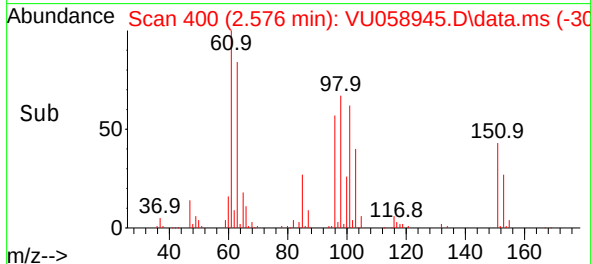
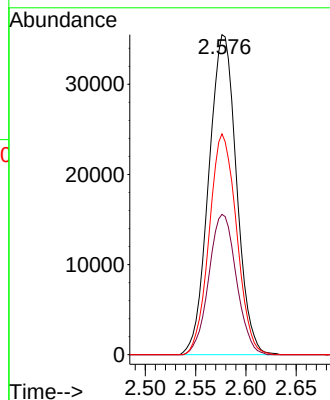
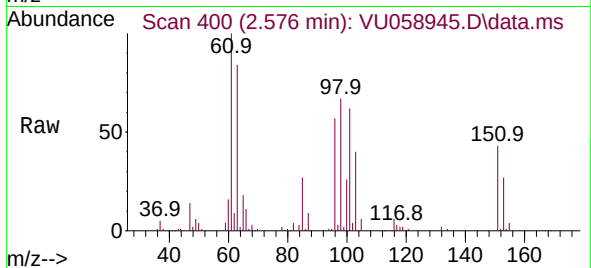




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 51.390 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

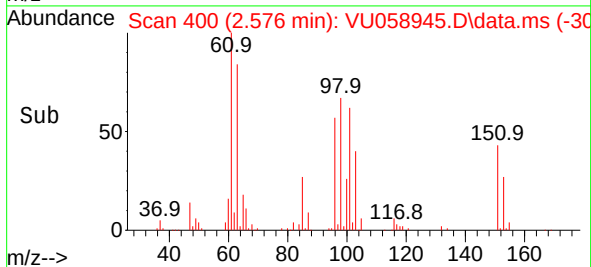
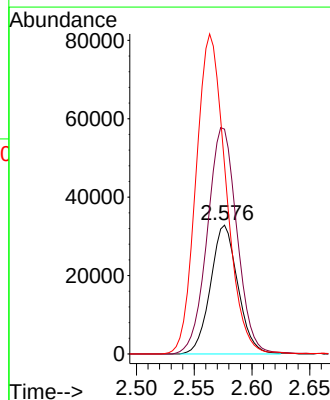
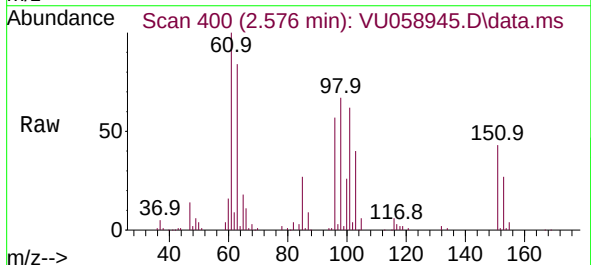
Instrument :
MSVOA_U
ClientSampleId :

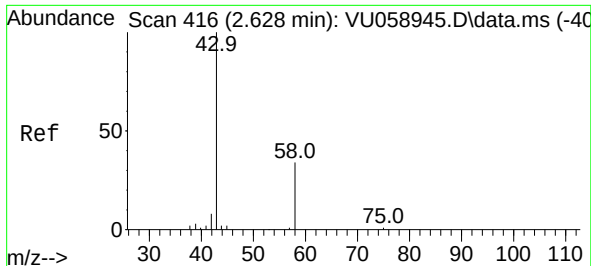
Tgt Ion:101 Resp: 68142
Ion Ratio Lower Upper
101 100
85 43.6 34.9 52.3
151 68.1 54.5 81.7



#12
1,1-Dichloroethene
Concen: 45.618 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 96 Resp: 54100
Ion Ratio Lower Upper
96 100
61 174.6 122.2 227.0
63 146.8 102.8 190.8





#13

Acetone

Concen: 96.579 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

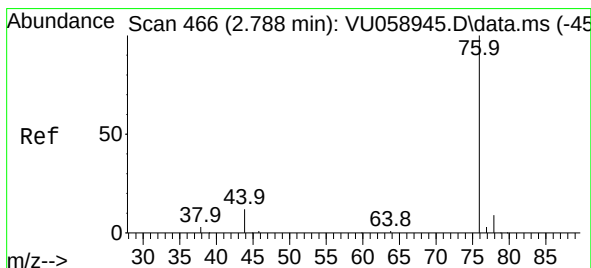
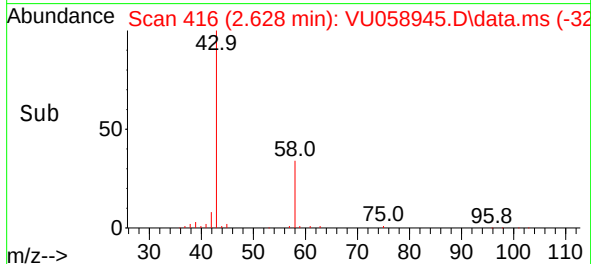
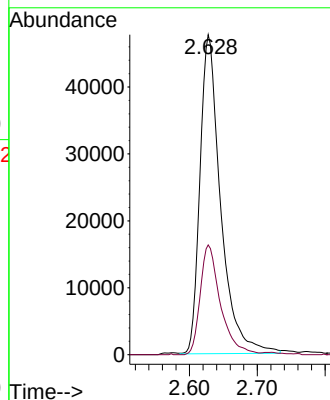
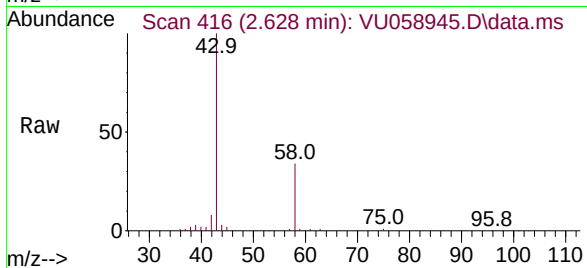
ClientSampleId :

Tgt Ion: 43 Resp: 101024

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.2



#14

Carbon disulfide

Concen: 30.218 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU058945.D

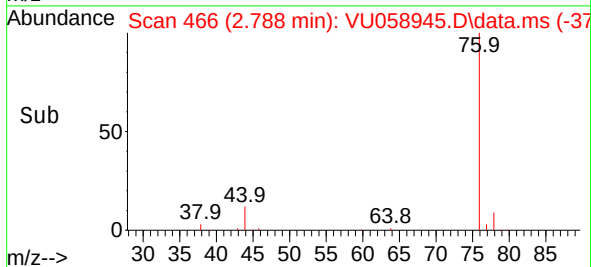
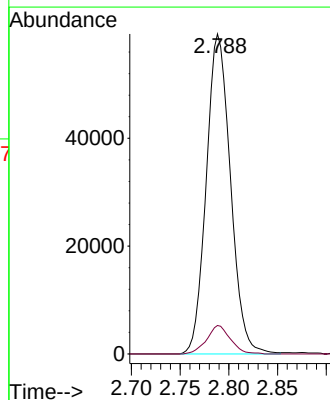
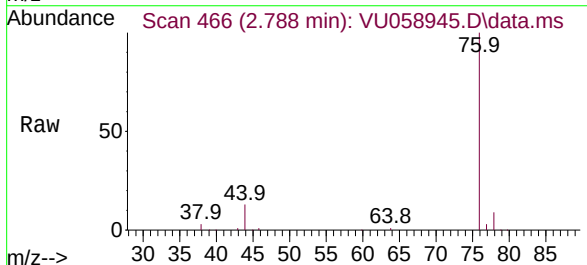
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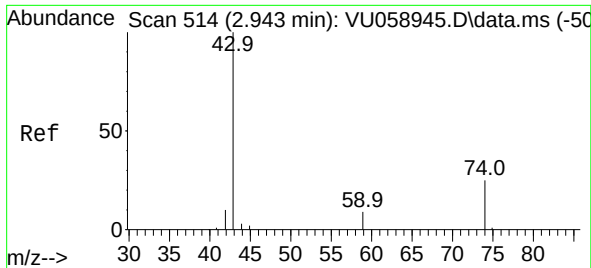
Tgt Ion: 76 Resp: 102628

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

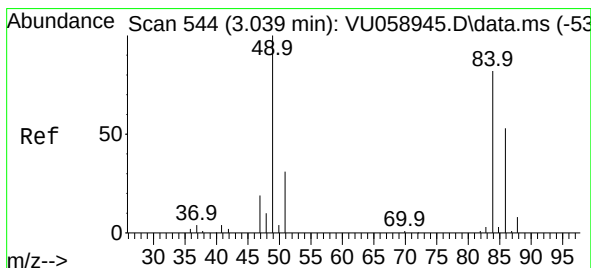
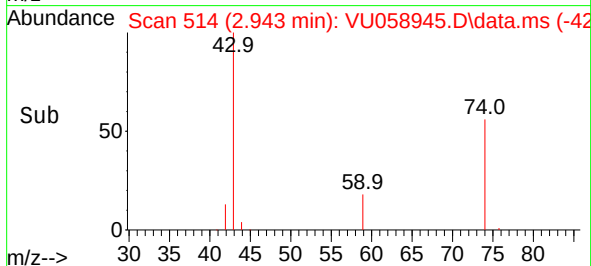
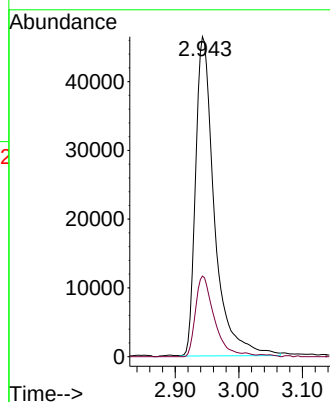
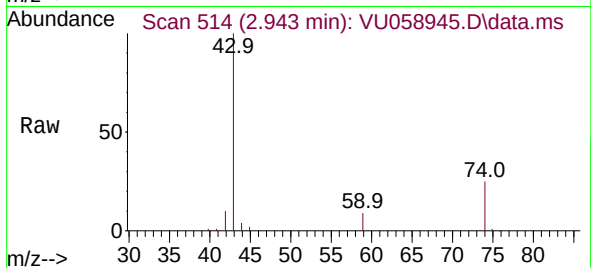




#15
Methyl Acetate
Concen: 65.573 ug/L
RT: 2.943 min Scan# 514
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

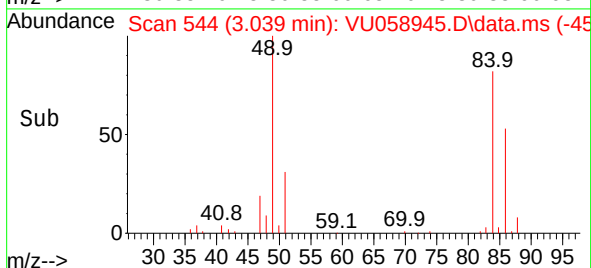
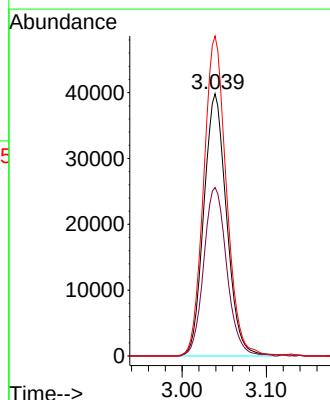
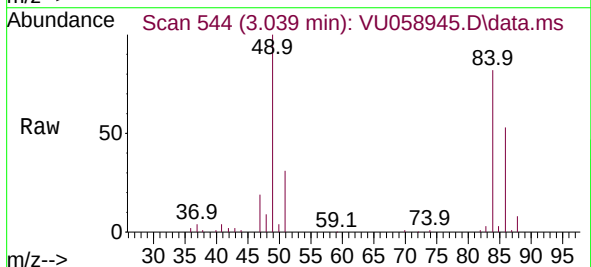
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MSVOA_U
ClientSampleId :

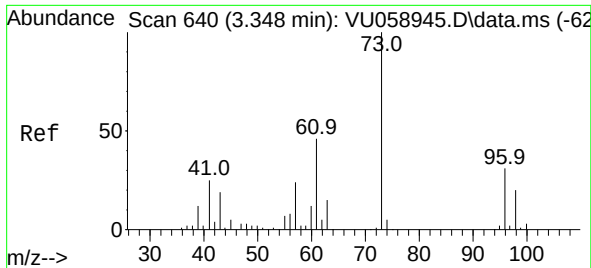
Tgt Ion: 43 Resp: 95553
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8



#16
Methylene chloride
Concen: 52.569 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 84 Resp: 74929
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 122.0 85.4 158.6

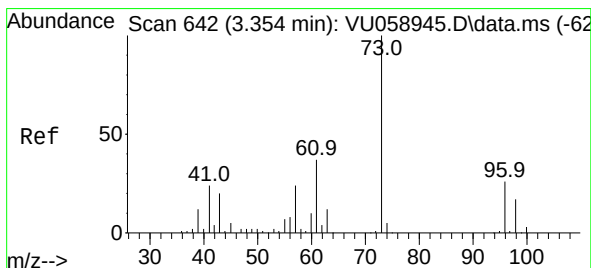
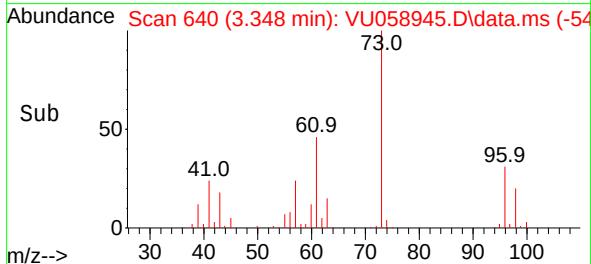
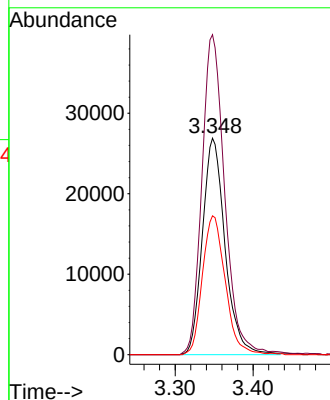
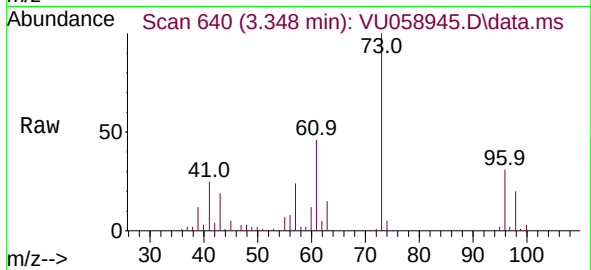




#17
trans-1,2-Dichloroethene
Concen: 45.202 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

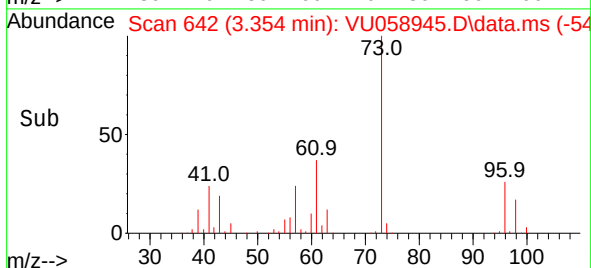
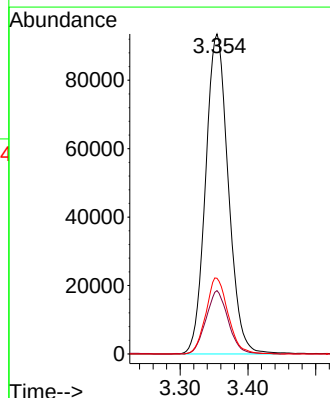
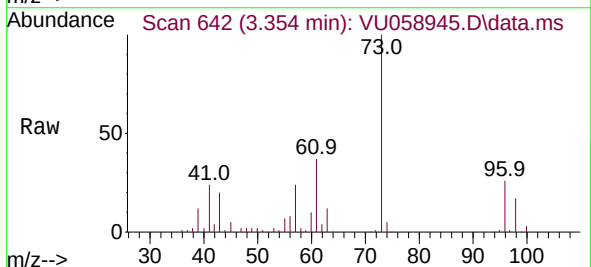
Instrument :
MSVOA_U
ClientSampleId :

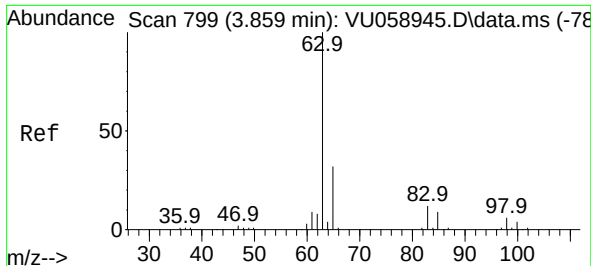
Tgt Ion: 96 Resp: 54471
Ion Ratio Lower Upper
96 100
61 147.8 103.5 192.1
98 64.1 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 50.145 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 73 Resp: 217626
Ion Ratio Lower Upper
73 100
43 19.3 15.4 23.2
57 23.2 18.6 27.8





#19

1,1-Dichloroethane

Concen: 55.213 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :

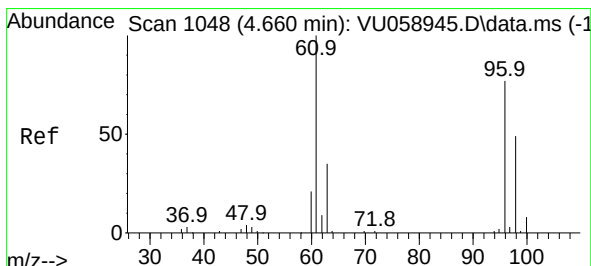
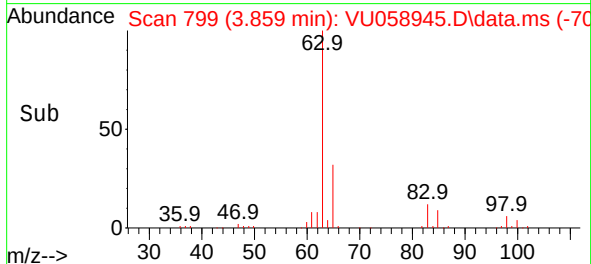
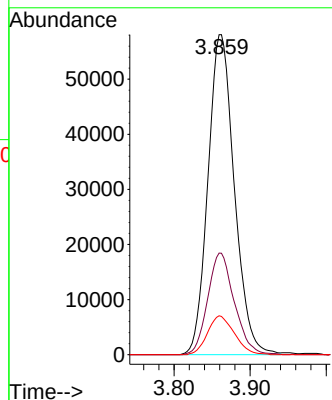
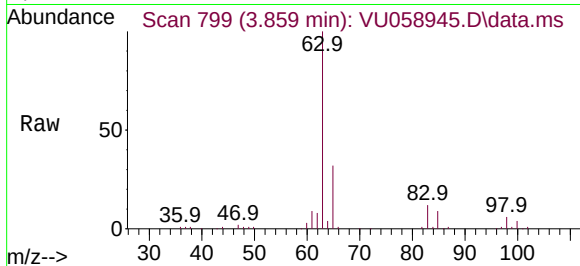
Tgt Ion: 63 Resp: 140075

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

83 12.2 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 51.079 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

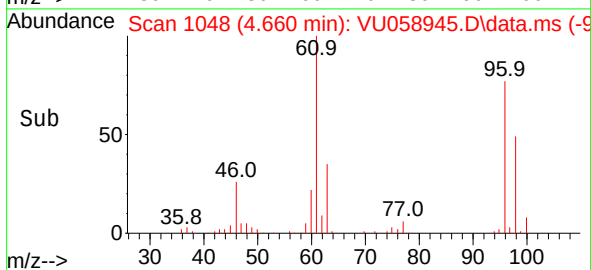
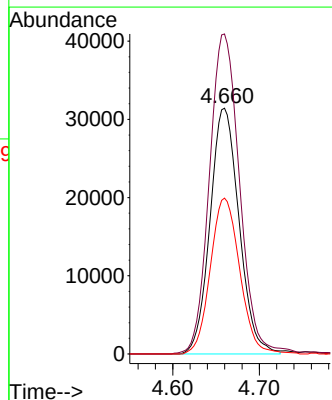
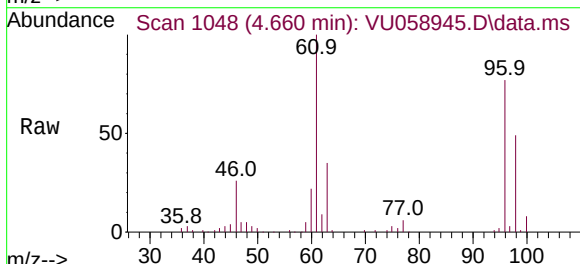
Tgt Ion: 96 Resp: 73280

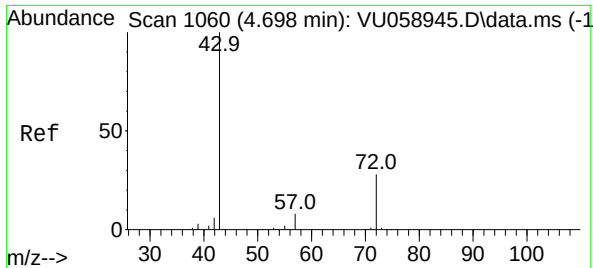
Ion Ratio Lower Upper

96 100

61 130.2 91.1 169.3

98 63.4 44.4 82.4

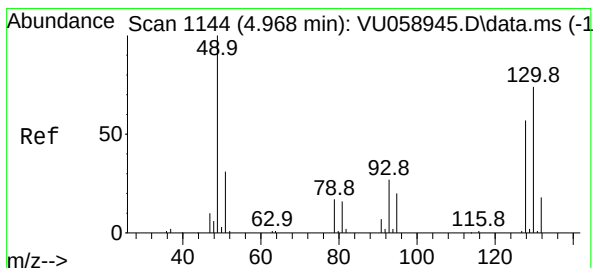
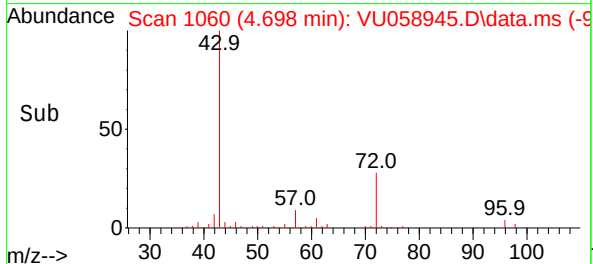
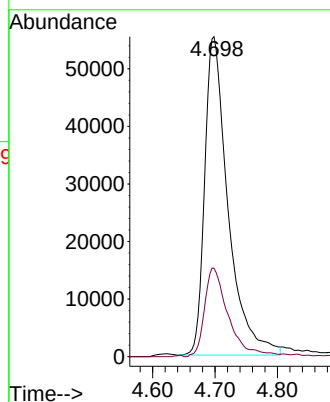
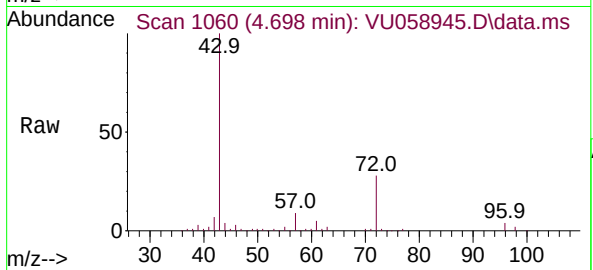




#22
2-Butanone
Concen: 121.326 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

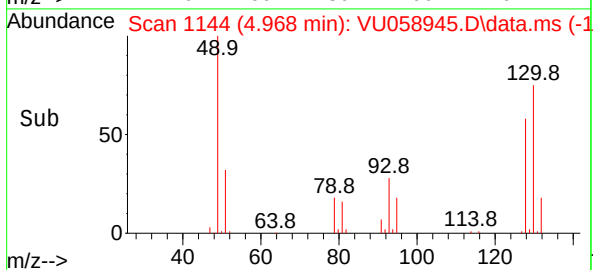
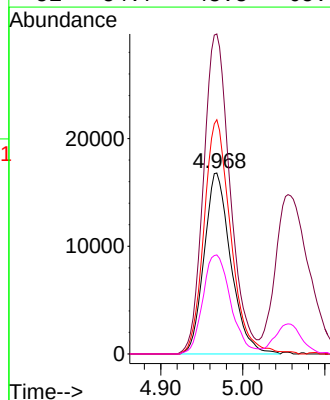
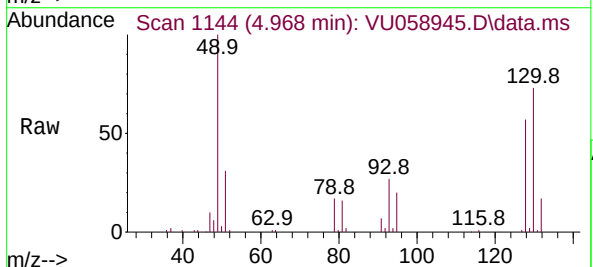
Instrument :
MSVOA_U
ClientSampleId :

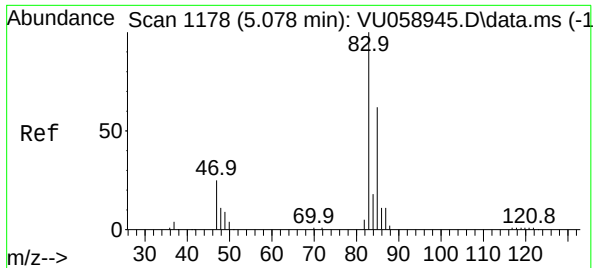
Tgt Ion: 43 Resp: 144329
Ion Ratio Lower Upper
43 100
72 27.8 13.9 41.7



#23
Bromochloromethane
Concen: 53.351 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion:128 Resp: 37899
Ion Ratio Lower Upper
128 100
49 176.8 123.8 229.8
130 129.4 90.6 168.2
51 54.7 43.8 65.6

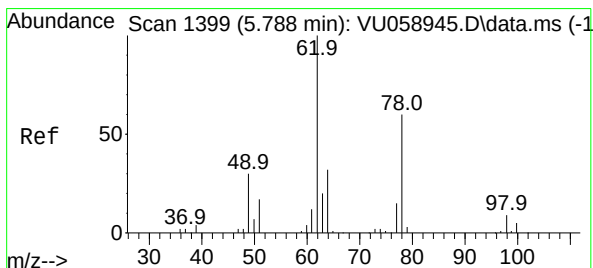
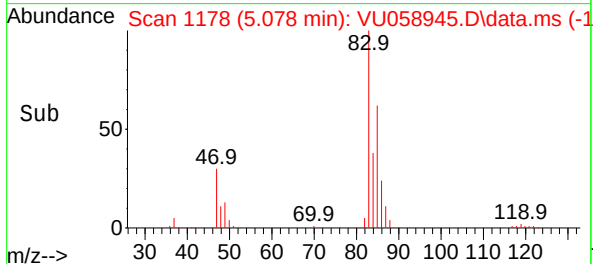
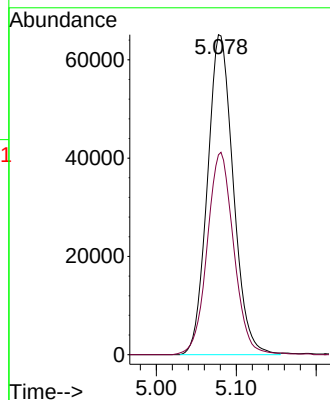
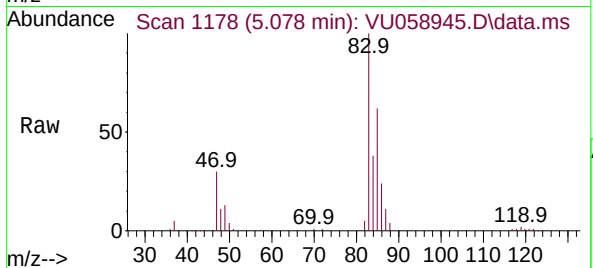




#25
Chloroform
Concen: 56.039 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

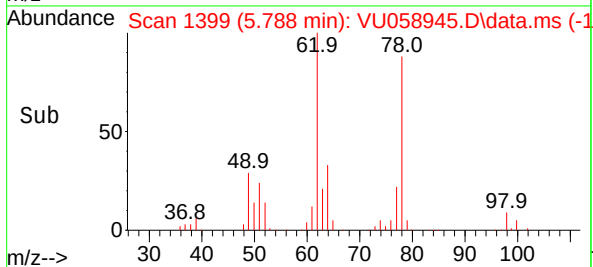
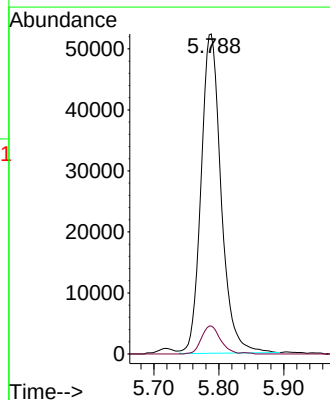
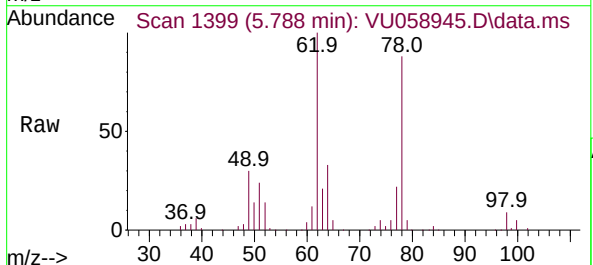
Instrument :
MSVOA_U
ClientSampleId :

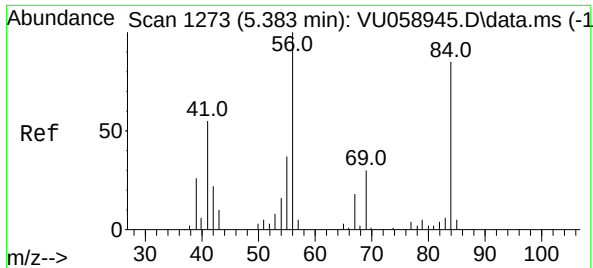
Tgt Ion: 83 Resp: 146472
Ion Ratio Lower Upper
83 100
85 62.5 43.8 81.3



#27
1,2-Dichloroethane
Concen: 52.667 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 62 Resp: 112512
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

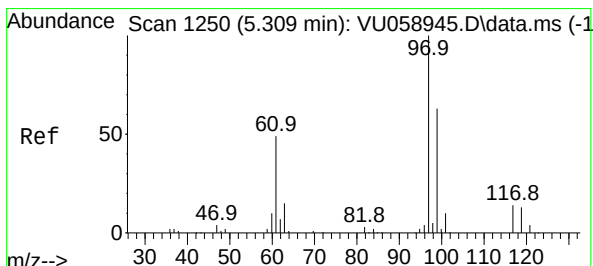
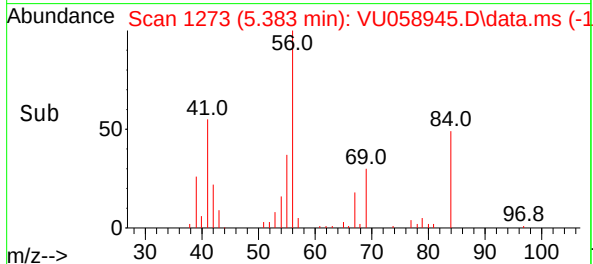
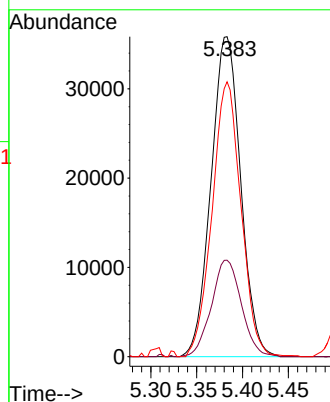
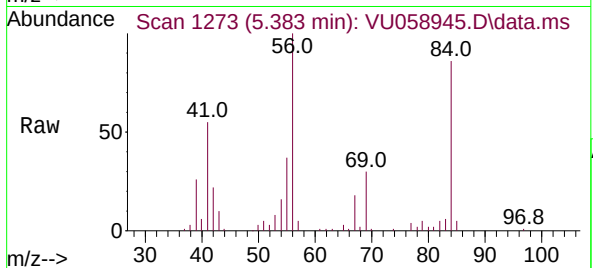




#29
Cyclohexane
Concen: 35.249 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

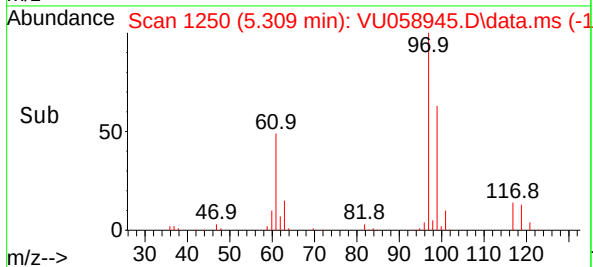
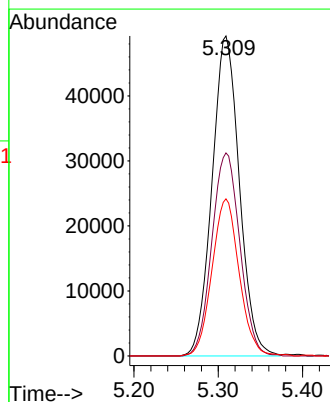
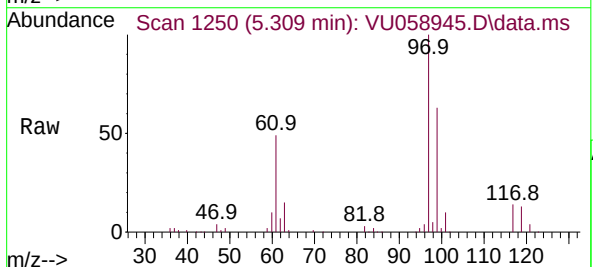
Instrument :
MSVOA_U
ClientSampleId :

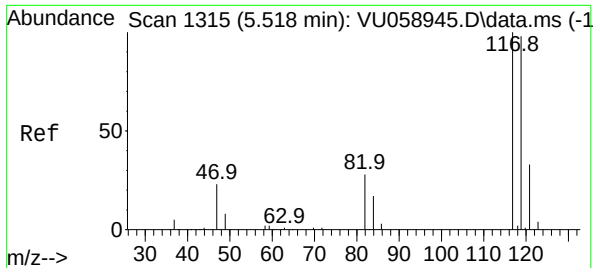
Tgt Ion: 56 Resp: 80701
Ion Ratio Lower Upper
56 100
69 30.4 24.3 36.5
84 83.4 66.7 100.1



#30
1,1,1-Trichloroethane
Concen: 46.260 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 97 Resp: 111139
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 48.6 38.9 58.3

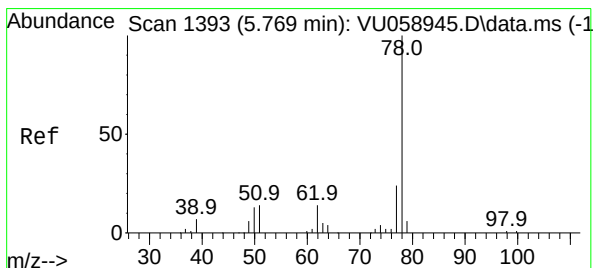
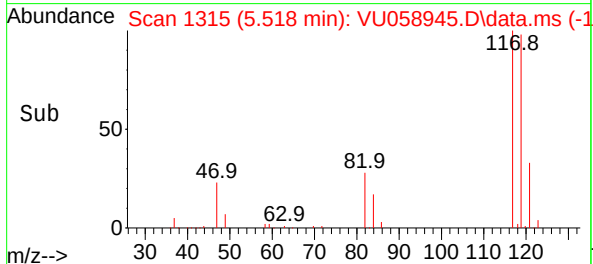
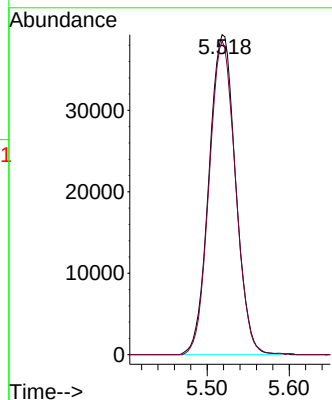
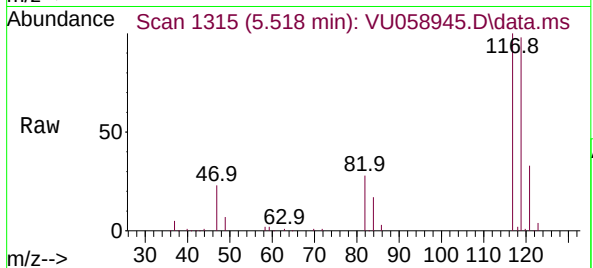




#31
Carbon tetrachloride
Concen: 43.098 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

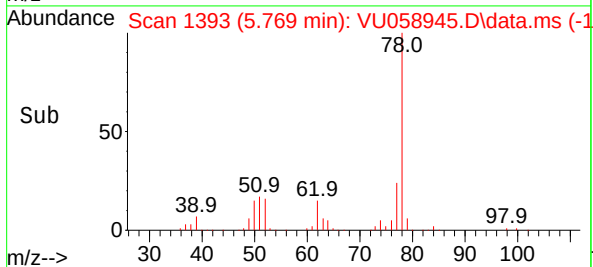
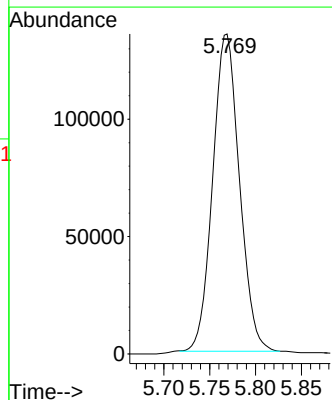
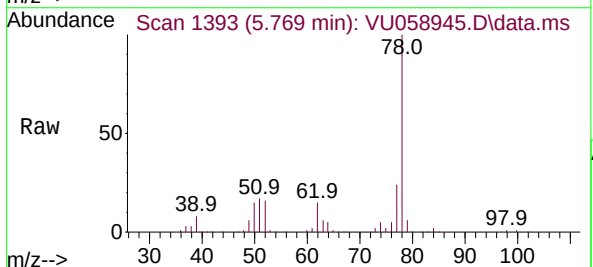
Instrument :
MSVOA_U
ClientSampleId :

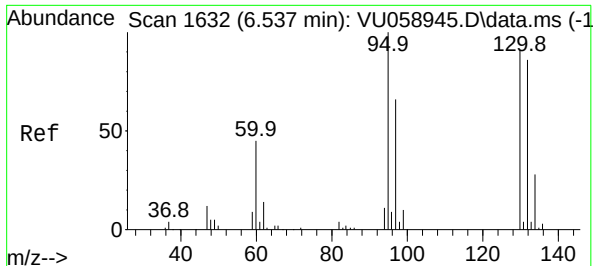
Tgt Ion:117 Resp: 88723
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0



#33
Benzene
Concen: 46.577 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 78 Resp: 273847

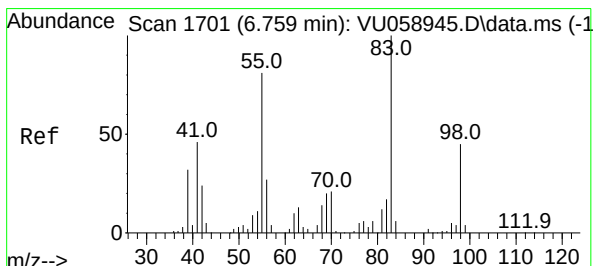
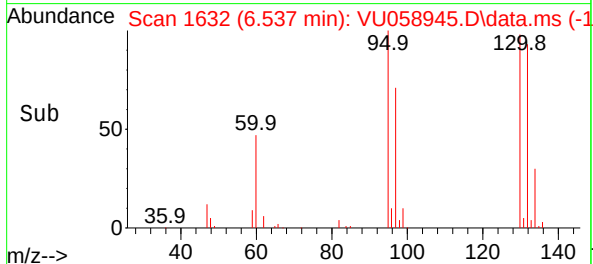
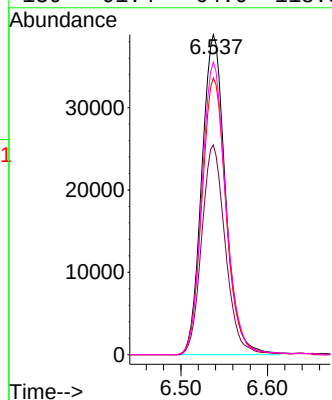
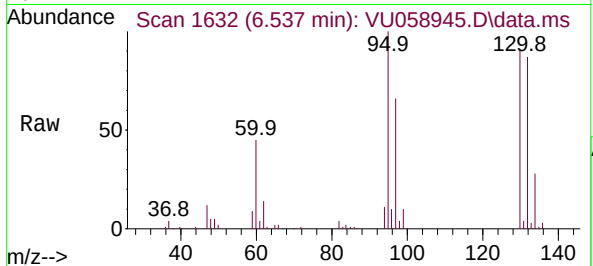




#34
Trichloroethene
Concen: 46.576 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

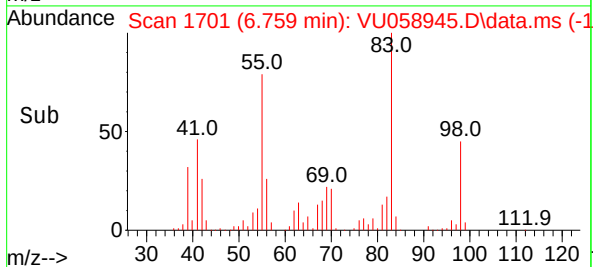
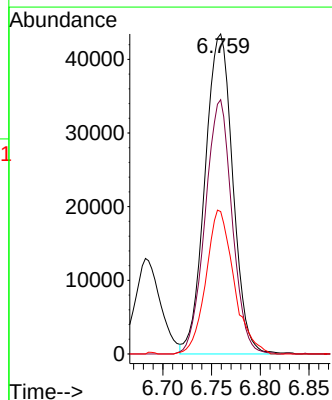
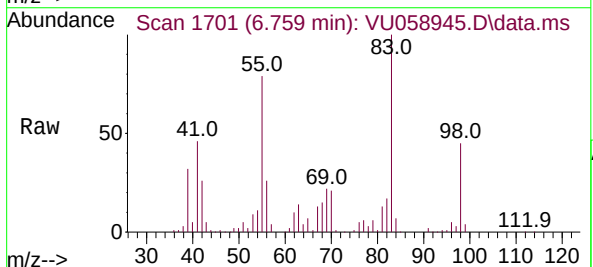
Instrument :
MSVOA_U
ClientSampleId :

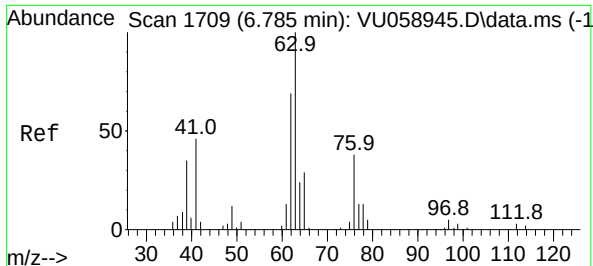
Tgt Ion: 95 Resp: 73722
Ion Ratio Lower Upper
95 100
97 65.6 45.9 85.3
132 86.5 60.5 112.5
130 91.4 64.0 118.8



#35
Methylcyclohexane
Concen: 36.067 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 83 Resp: 86387
Ion Ratio Lower Upper
83 100
55 76.9 61.5 92.3
98 45.2 36.2 54.2

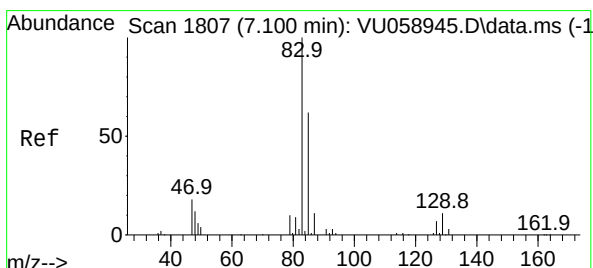
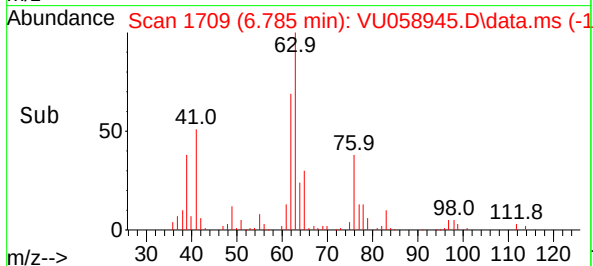
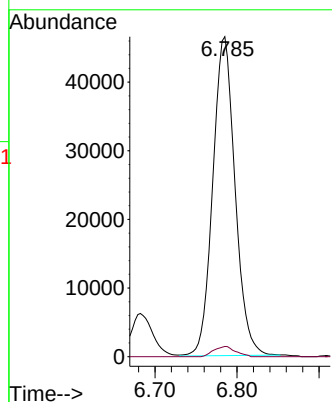
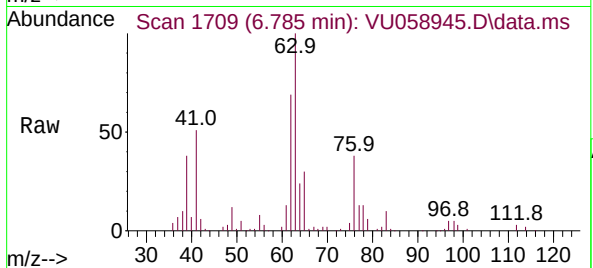




#37
1,2-Dichloropropane
Concen: 52.602 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

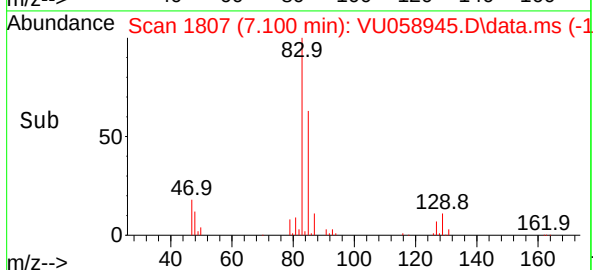
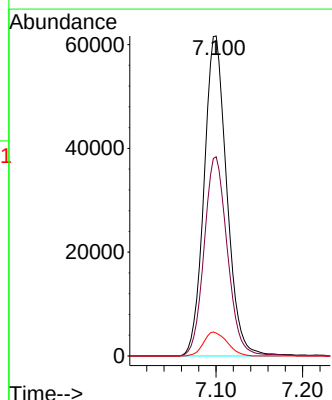
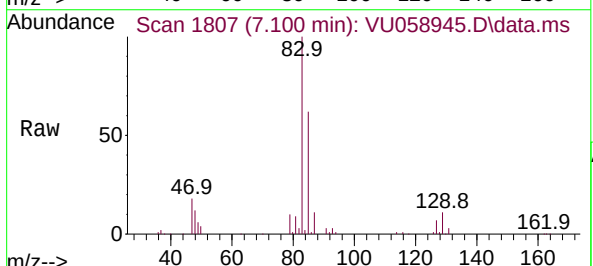
Instrument :
MSVOA_U
ClientSampleId :

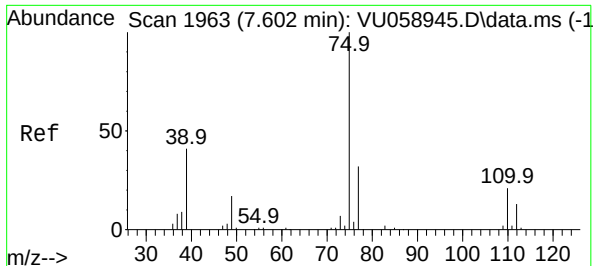
Tgt Ion: 63 Resp: 87786
Ion Ratio Lower Upper
63 100
112 3.1 2.5 3.7



#38
Bromodichloromethane
Concen: 53.464 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 83 Resp: 112310
Ion Ratio Lower Upper
83 100
85 62.2 43.5 80.9
127 7.2 5.8 8.6

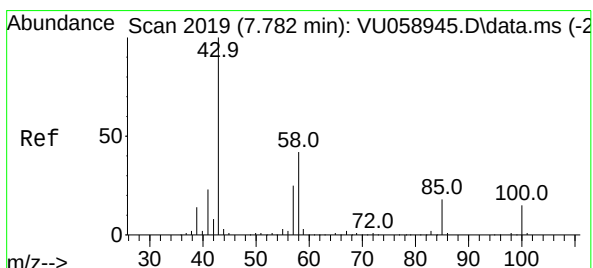
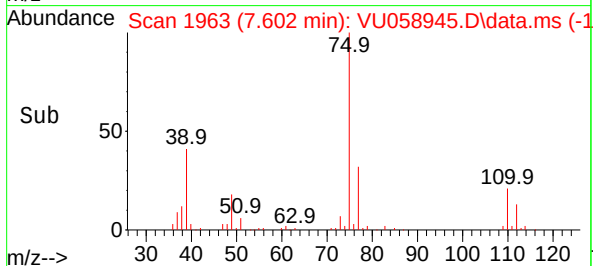
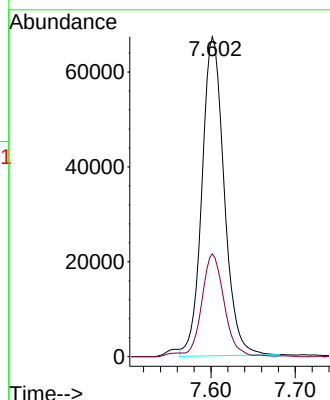
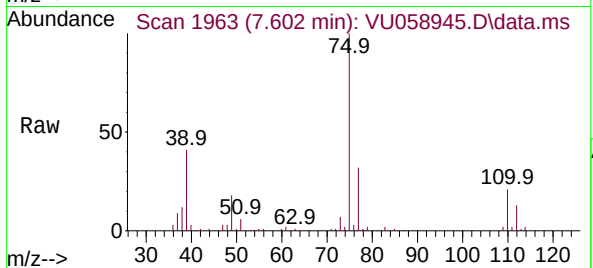




#39
 cis-1,3-Dichloropropene
 Concen: 46.901 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058945.D
 Acq: 23 May 2024 12:43

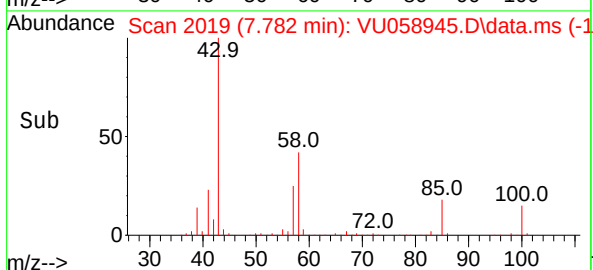
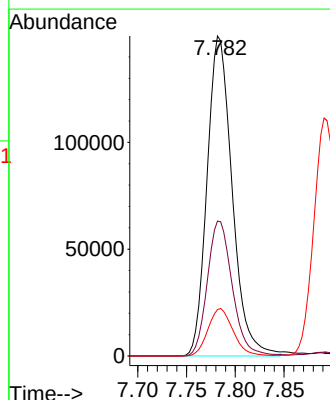
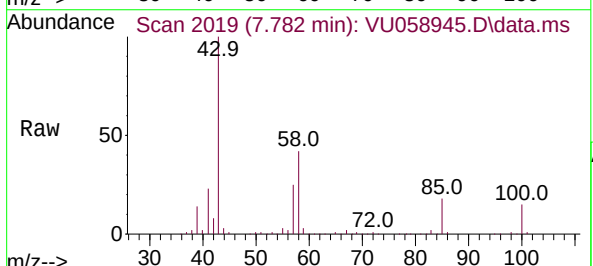
Instrument :
 MSVOA_U
 ClientSampleId :

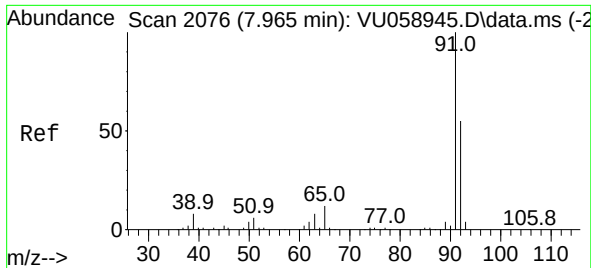
Tgt Ion: 75 Resp: 123104
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 123.654 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058945.D
 Acq: 23 May 2024 12:43

Tgt Ion: 43 Resp: 268423
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.5 50.3
 100 14.8 11.8 17.8





#42

Toluene

Concen: 49.521 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

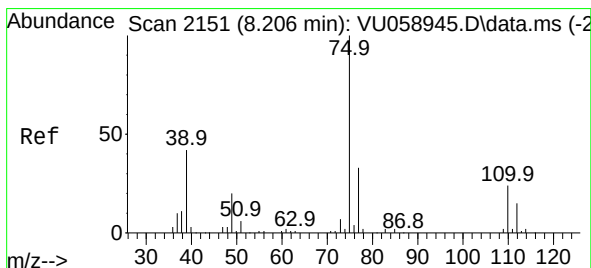
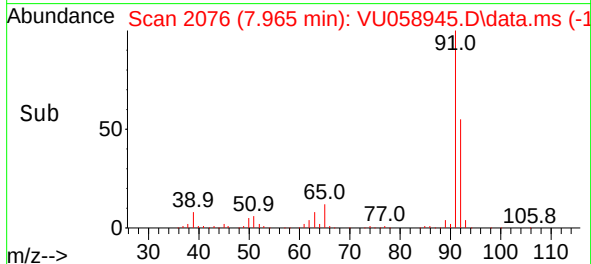
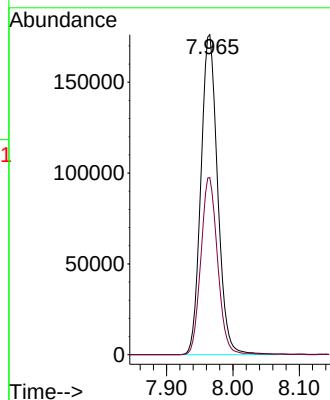
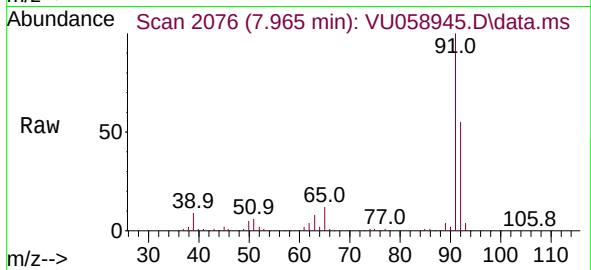
ClientSampleId :

Tgt Ion: 91 Resp: 309108

Ion Ratio Lower Upper

91 100

92 55.3 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 49.106 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU058945.D

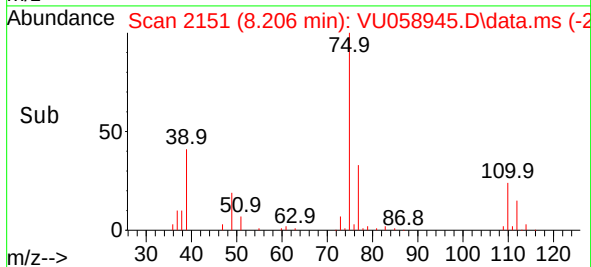
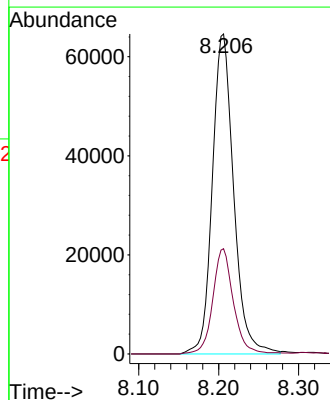
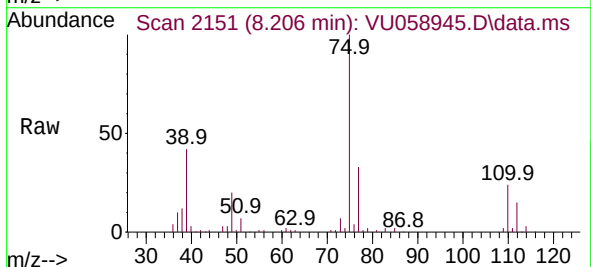
Acq: 23 May 2024 12:43

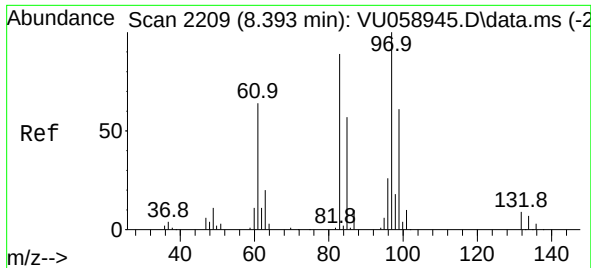
Tgt Ion: 75 Resp: 119535

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8

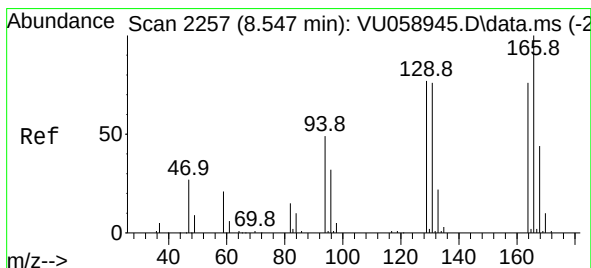
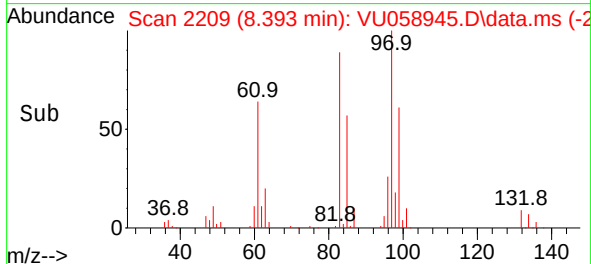
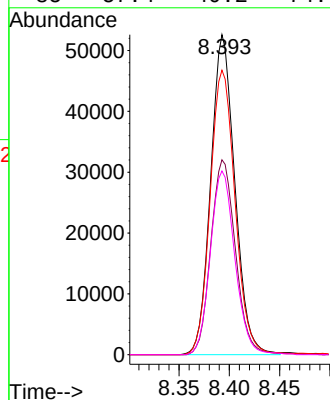
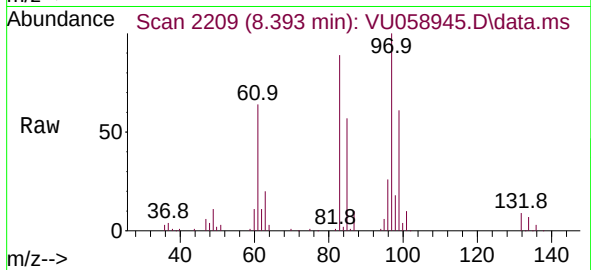




#45
1,1,2-Trichloroethane
Concen: 56.110 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

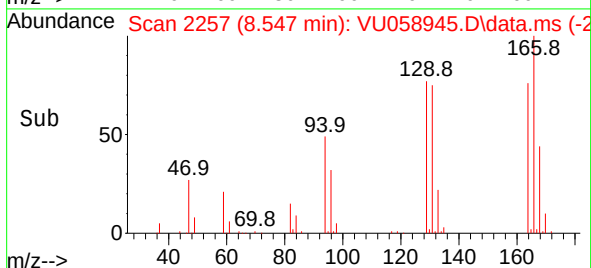
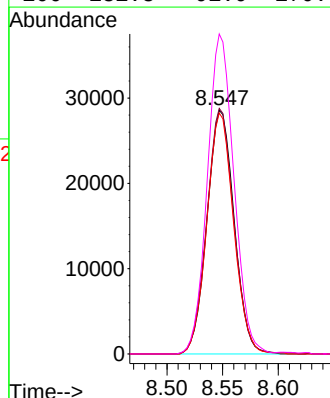
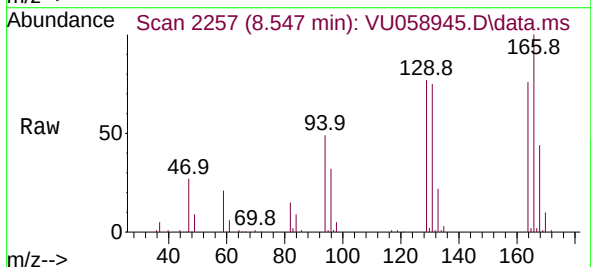
Instrument :
MSVOA_U
ClientSampleId :

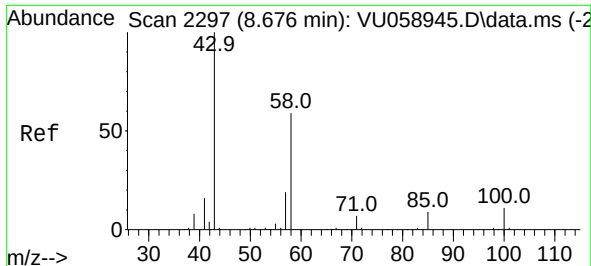
Tgt Ion:	97	Resp:	87854
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.6	79.2
83	88.9	62.2	115.6
85	57.4	40.2	74.6



#46
Tetrachloroethene
Concen: 44.539 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion:	164	Resp:	48356
Ion	Ratio	Lower	Upper
164	100		
129	100.8	70.6	131.0
131	98.9	69.2	128.6
166	131.3	91.9	170.7





#48

2-Hexanone

Concen: 117.628 ug/L

RT: 8.676 min Scan# 218997

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 218997

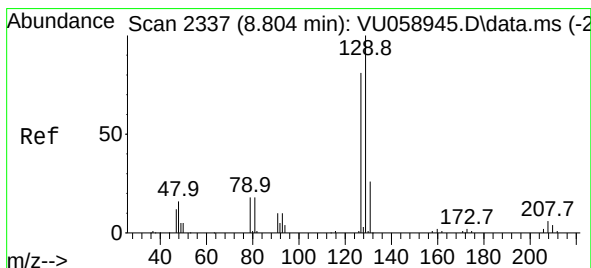
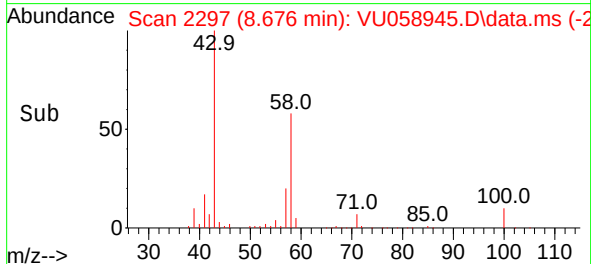
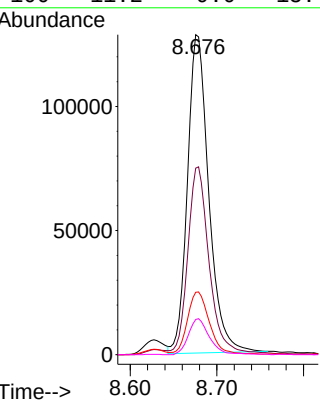
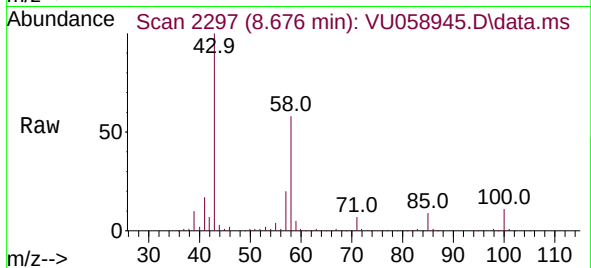
Ion Ratio Lower Upper

43 100

58 59.7 47.8 71.6

57 19.6 15.7 23.5

100 11.2 9.0 13.4



#49

Dibromochloromethane

Concen: 53.585 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU058945.D

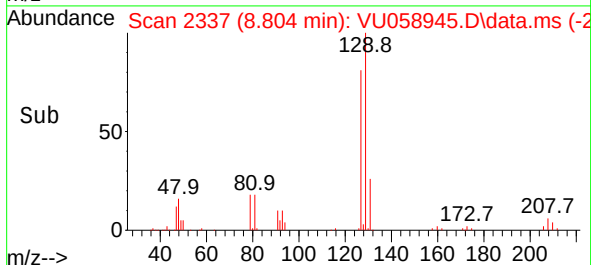
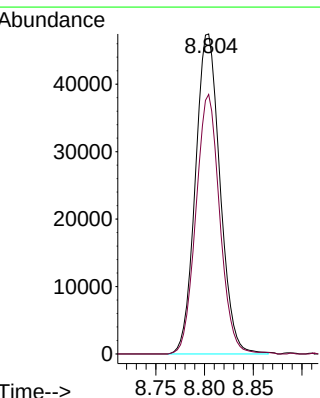
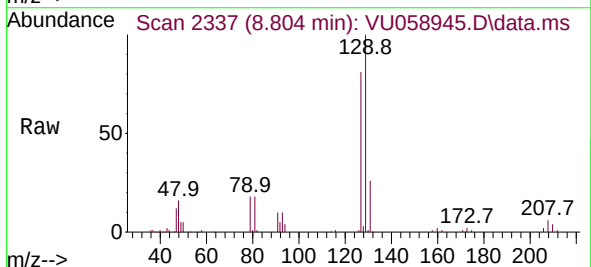
Acq: 23 May 2024 12:43

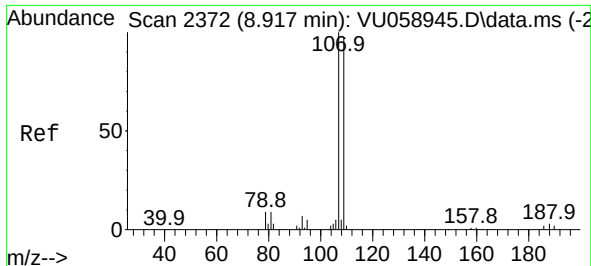
Tgt Ion: 129 Resp: 83240

Ion Ratio Lower Upper

129 100

127 81.1 56.8 105.4

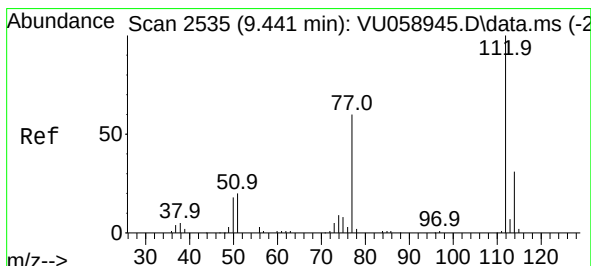
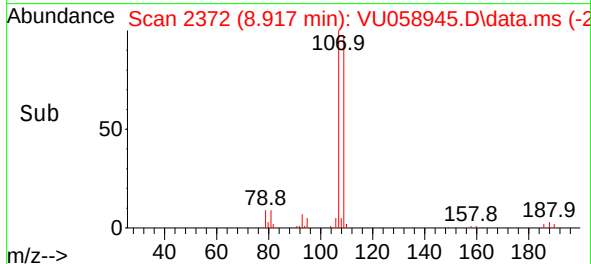
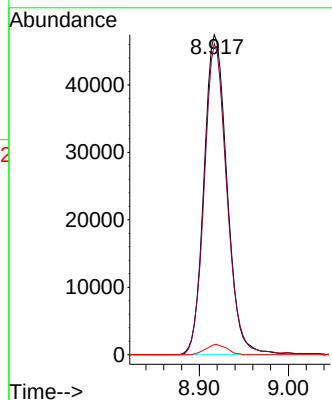
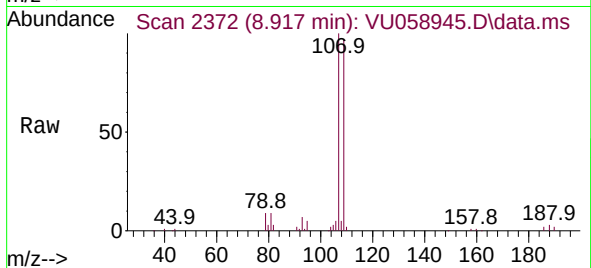




#50
1,2-Dibromoethane
Concen: 51.918 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

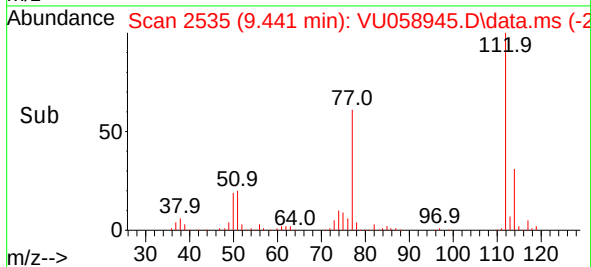
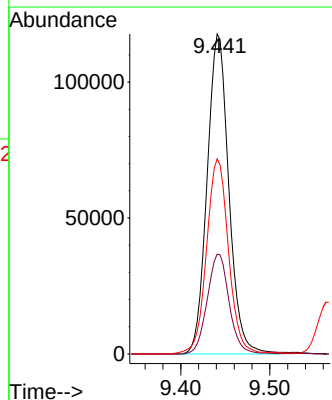
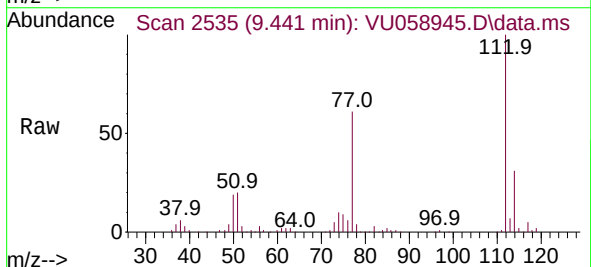
Instrument :
MSVOA_U
ClientSampleId :

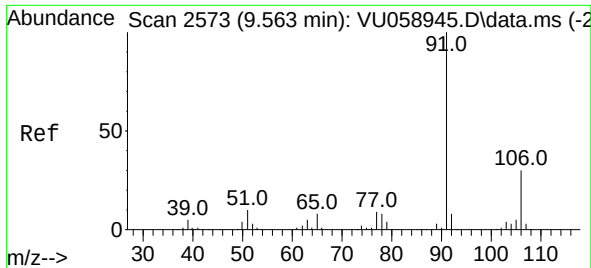
Tgt Ion:107 Resp: 84897
Ion Ratio Lower Upper
107 100
109 97.1 68.0 126.2
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 50.122 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion:112 Resp: 199170
Ion Ratio Lower Upper
112 100
114 31.2 21.8 40.6
77 61.0 48.8 73.2

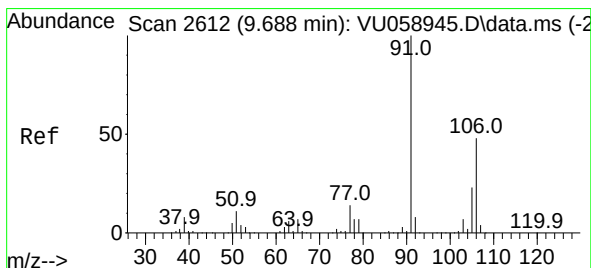
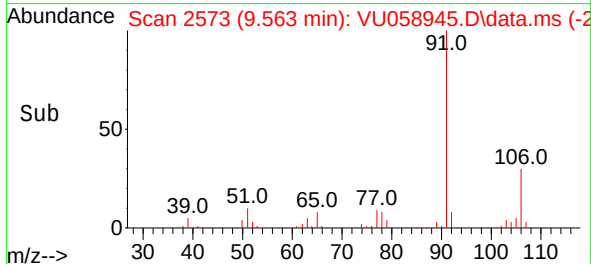
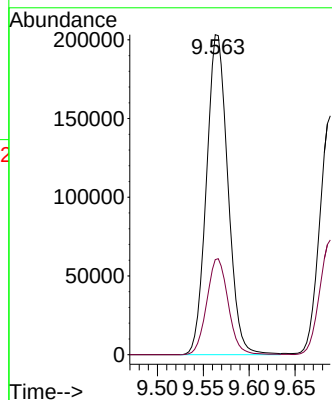
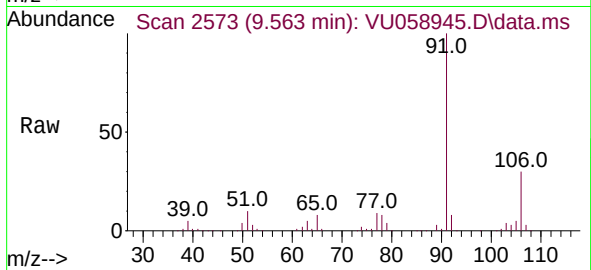




#52
Ethylbenzene
Concen: 47.153 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

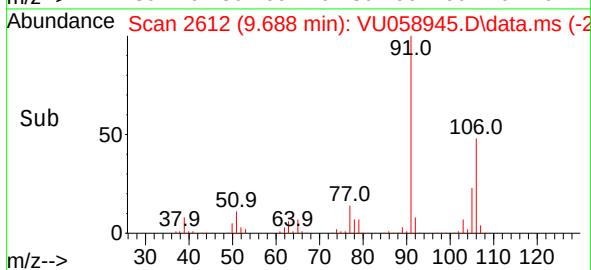
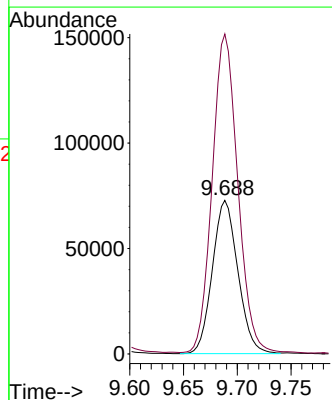
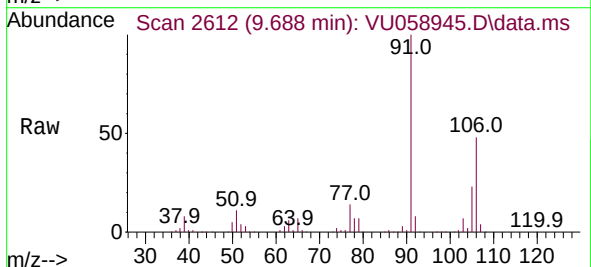
Instrument :
MSVOA_U
ClientSampleId :

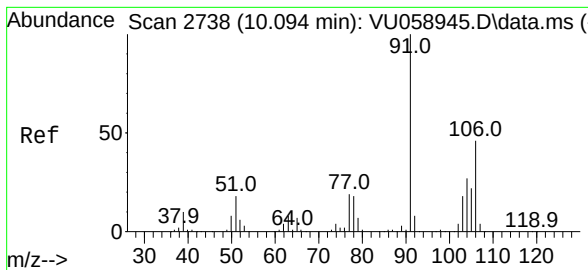
Tgt Ion: 91 Resp: 330361
Ion Ratio Lower Upper
91 100
106 29.7 20.8 38.6



#53
m,p-Xylene
Concen: 46.948 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion: 106 Resp: 120076
Ion Ratio Lower Upper
106 100
91 208.2 145.7 270.7

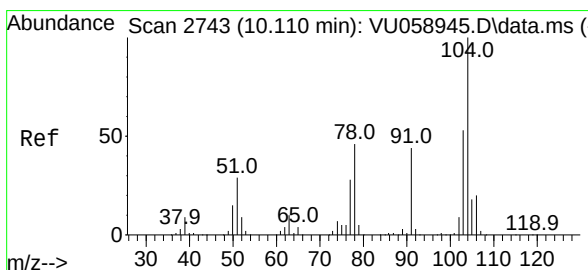
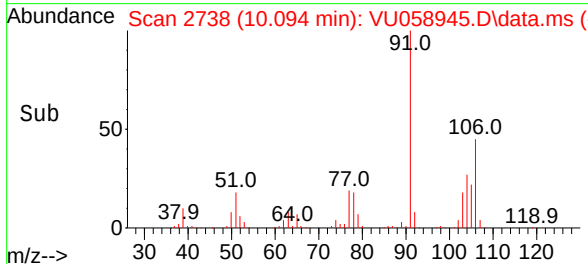
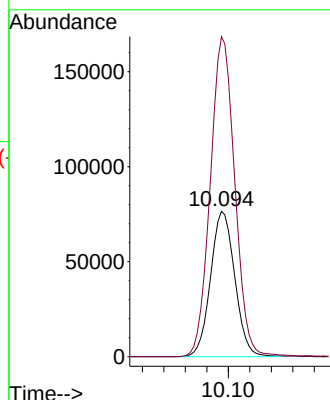
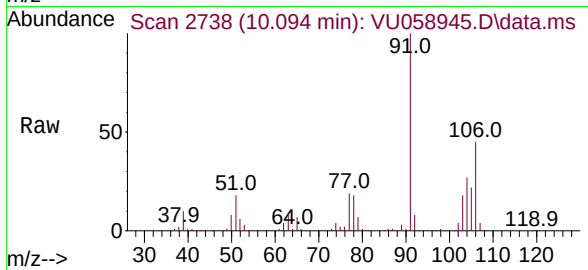




#54
o-Xylene
Concen: 47.780 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

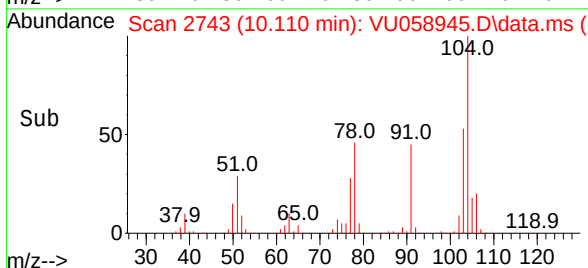
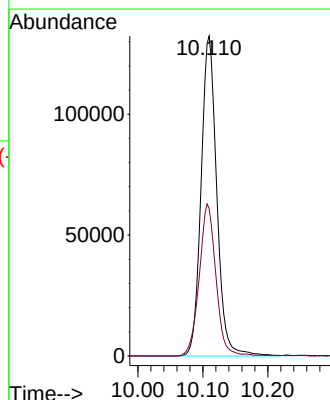
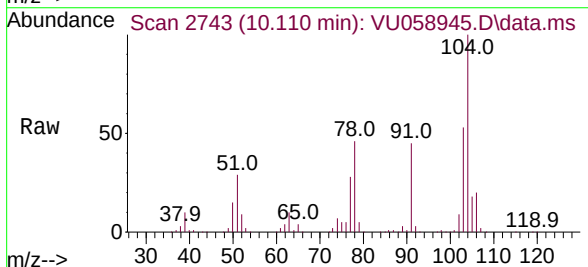
Instrument :
MSVOA_U
ClientSampleId :

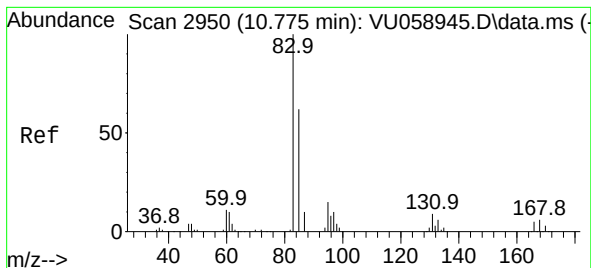
Tgt Ion:106 Resp: 119797
Ion Ratio Lower Upper
106 100
91 220.0 154.0 286.0



#55
Styrene
Concen: 52.209 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058945.D
Acq: 23 May 2024 12:43

Tgt Ion:104 Resp: 222676
Ion Ratio Lower Upper
104 100
78 46.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 61.992 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :

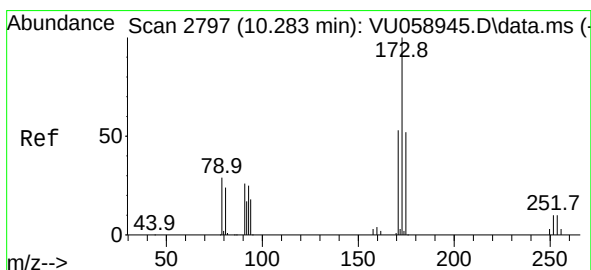
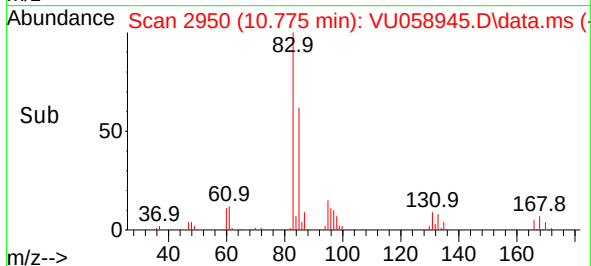
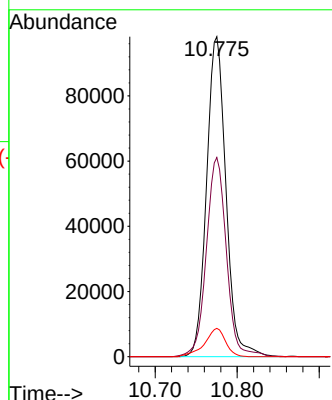
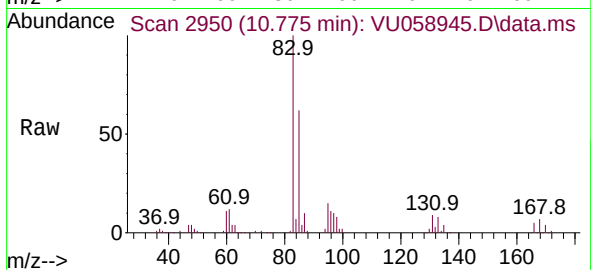
Tgt Ion: 83 Resp: 161221

Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.9

131 8.9 7.1 10.7



#59

Bromoform

Concen: 53.378 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

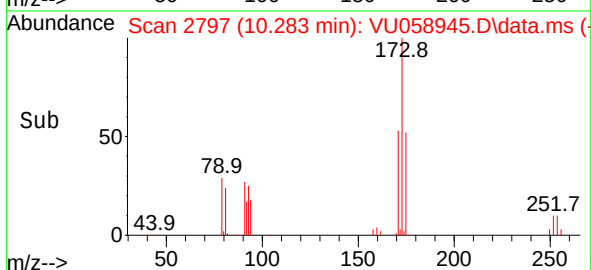
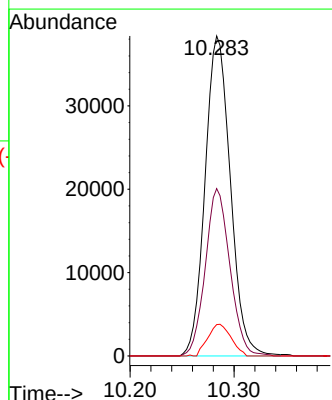
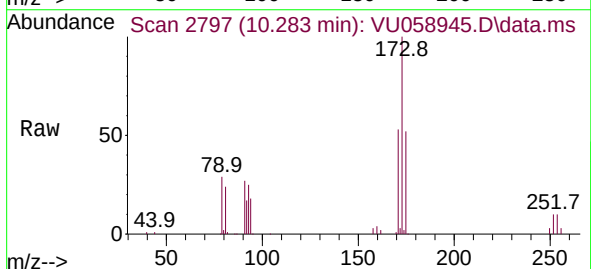
Tgt Ion:173 Resp: 64995

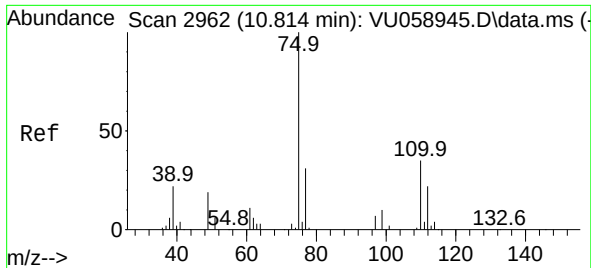
Ion Ratio Lower Upper

173 100

175 50.8 40.6 61.0

254 9.1 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 56.207 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU058945.D

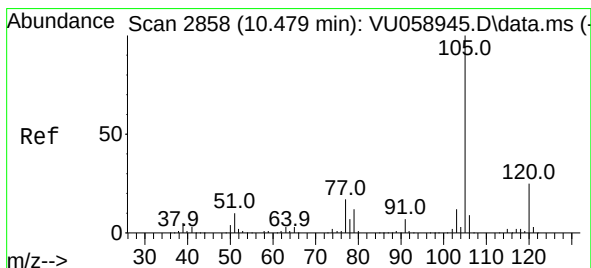
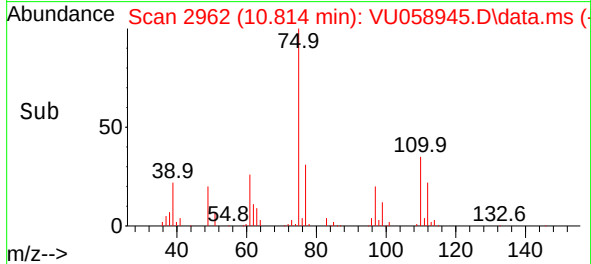
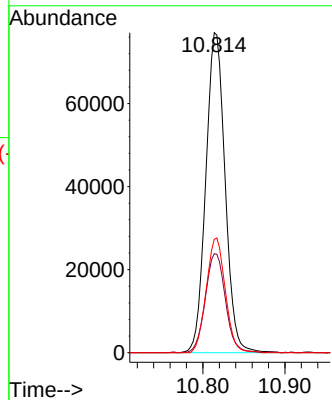
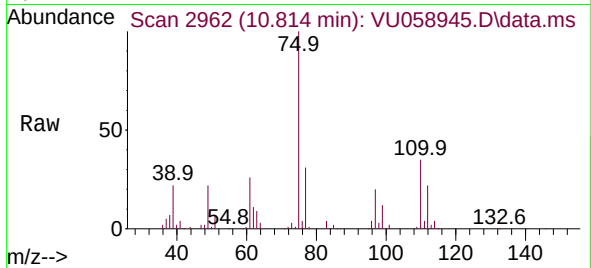
Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	75	Resp:	125854
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
110	35.4	28.3	42.5



#61

Isopropylbenzene

Concen: 45.251 ug/L

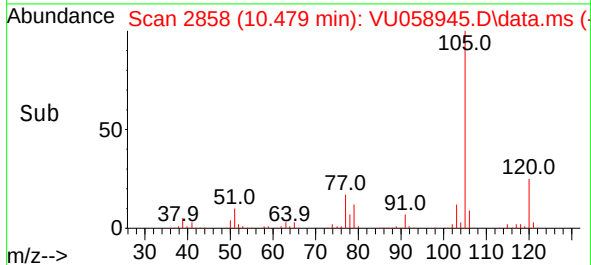
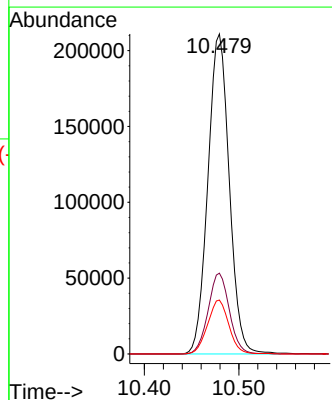
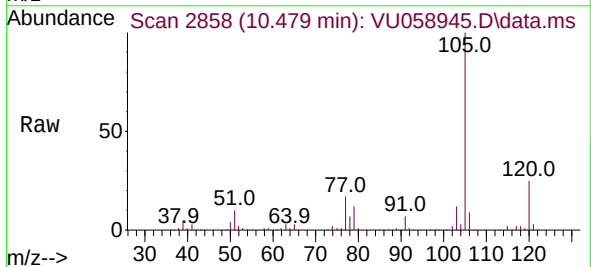
RT: 10.479 min Scan# 2858

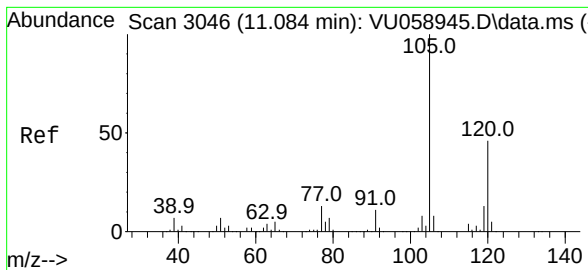
Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Tgt Ion:	105	Resp:	331425
Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.0	30.0
77	16.7	13.4	20.0

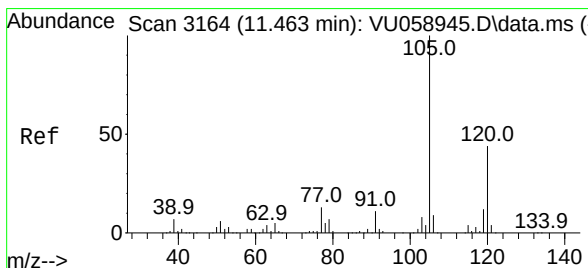
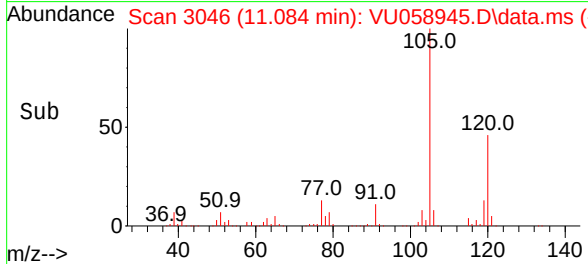
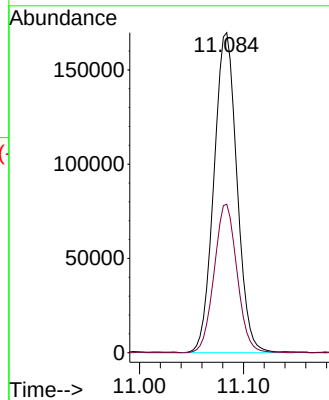
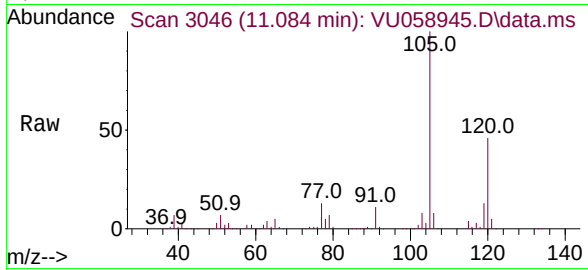




#62
 1,3,5-Trimethylbenzene
 Concen: 43.155 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU058945.D
 Acq: 23 May 2024 12:43

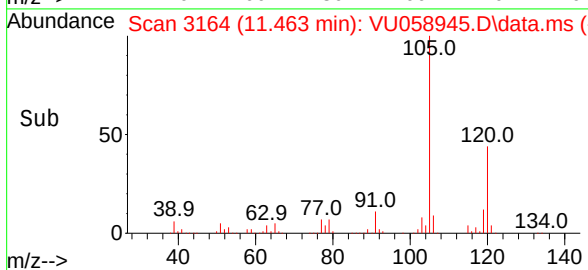
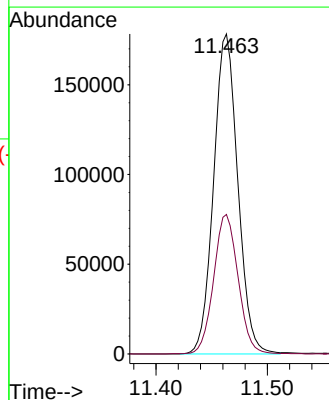
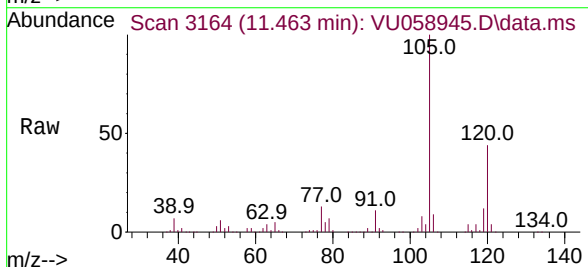
Instrument :
 MSVOA_U
 ClientSampleId :

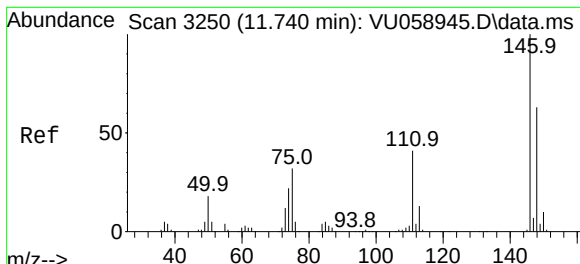
Tgt Ion:105 Resp: 261986
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.9 55.3



#63
 1,2,4-Trimethylbenzene
 Concen: 44.074 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU058945.D
 Acq: 23 May 2024 12:43

Tgt Ion:105 Resp: 269094
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 50.016 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

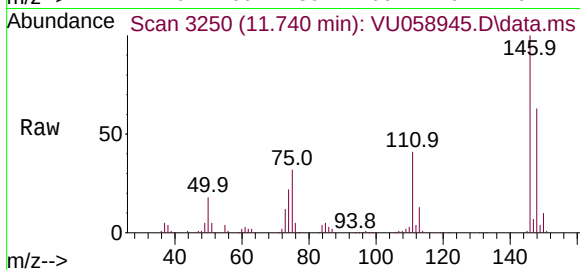
Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :



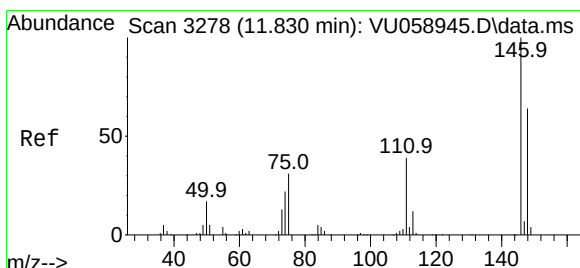
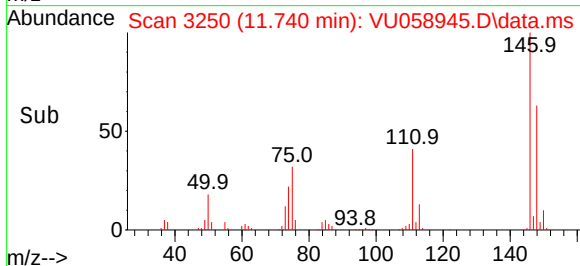
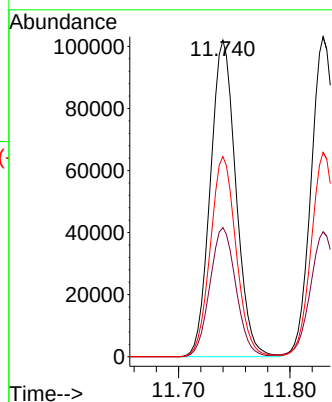
Tgt Ion:146 Resp: 162645

Ion Ratio Lower Upper

146 100

111 40.8 28.6 53.0

148 63.2 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 49.784 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

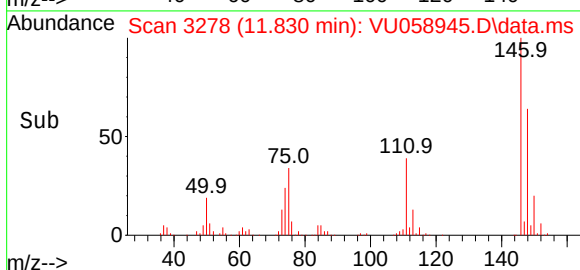
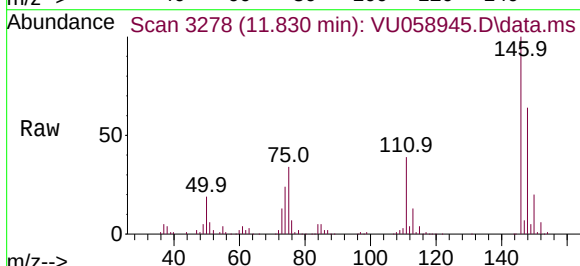
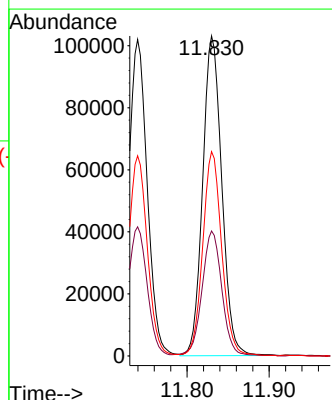
Tgt Ion:146 Resp: 166858

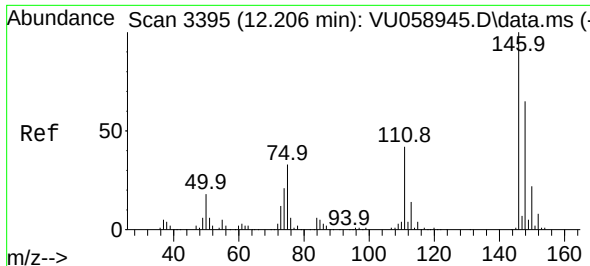
Ion Ratio Lower Upper

146 100

111 39.0 27.3 50.7

148 63.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 50.071 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :

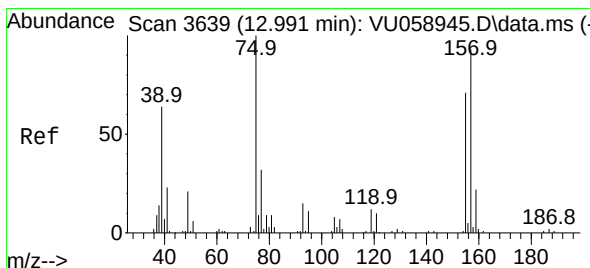
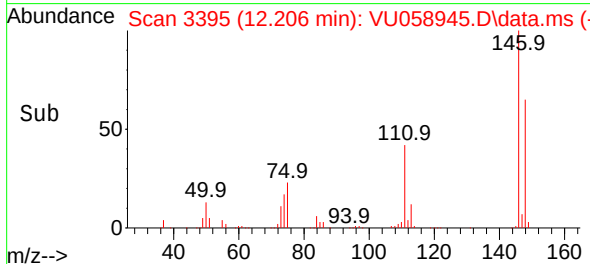
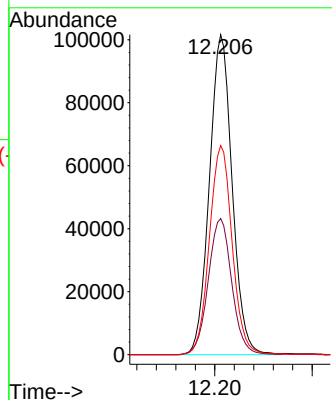
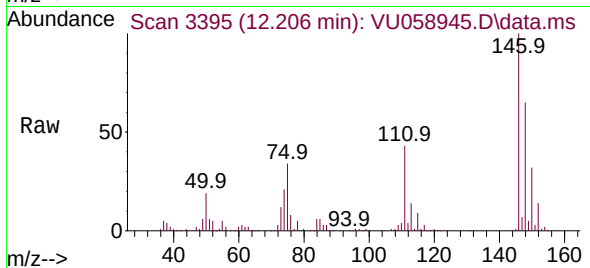
Tgt Ion:146 Resp: 164872

Ion Ratio Lower Upper

146 100

111 42.6 34.1 51.1

148 65.3 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 61.333 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

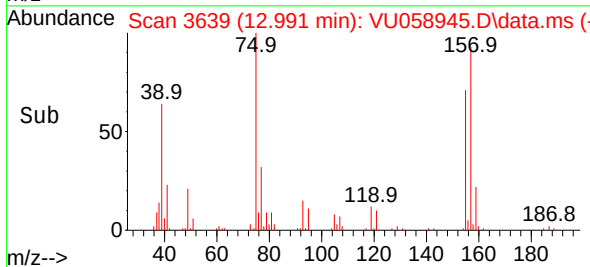
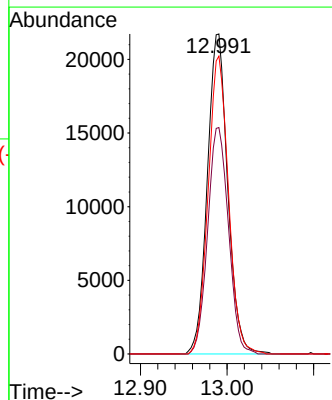
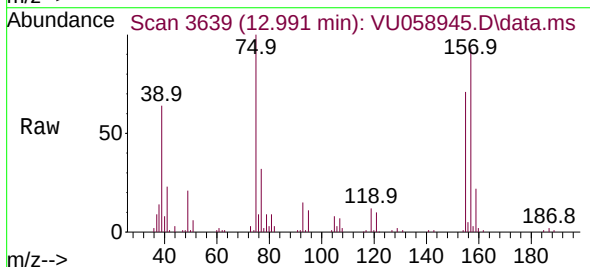
Tgt Ion: 75 Resp: 35544

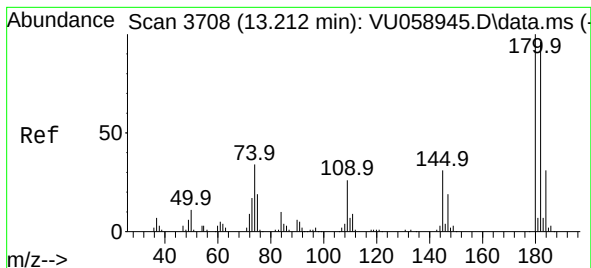
Ion Ratio Lower Upper

75 100

155 75.3 60.2 90.4

157 96.5 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 50.475 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. 0.000 min

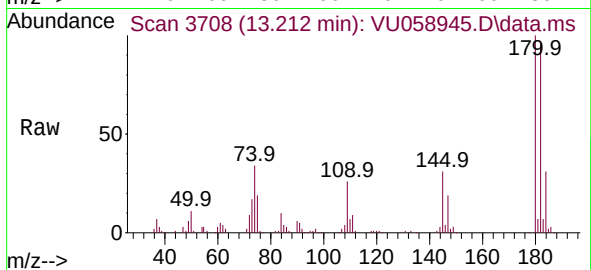
Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 115119

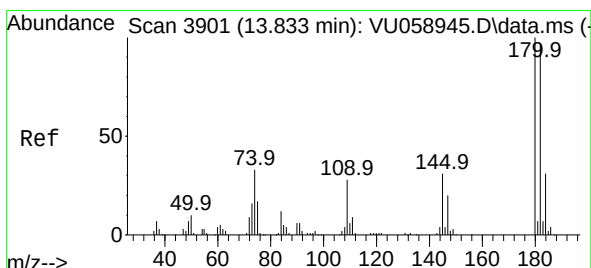
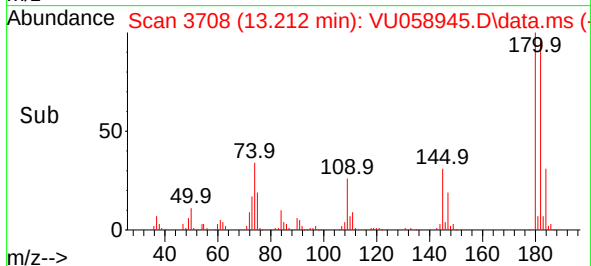
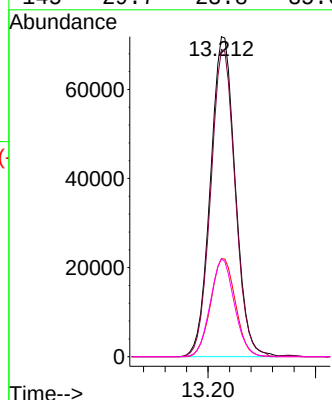
Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

184 30.4 24.3 36.5

145 29.7 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 50.628 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

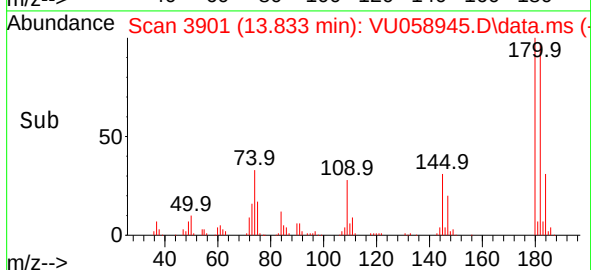
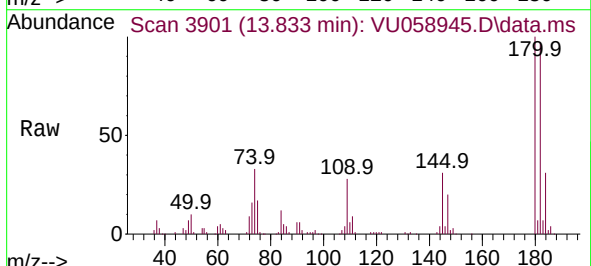
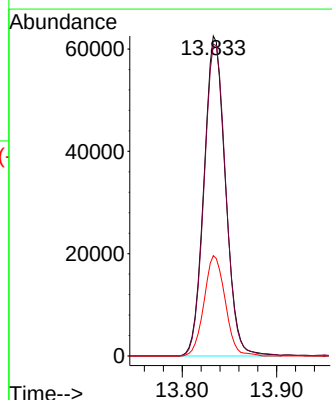
Tgt Ion:180 Resp: 98846

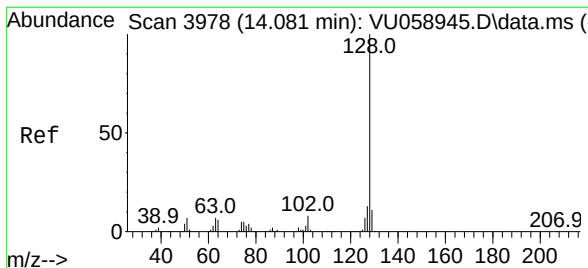
Ion Ratio Lower Upper

180 100

182 98.2 78.6 117.8

145 30.8 24.6 37.0





#71

Naphthalene

Concen: 55.086 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Instrument :

MSVOA_U

ClientSampleId :

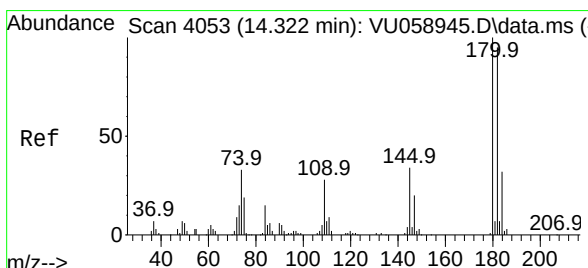
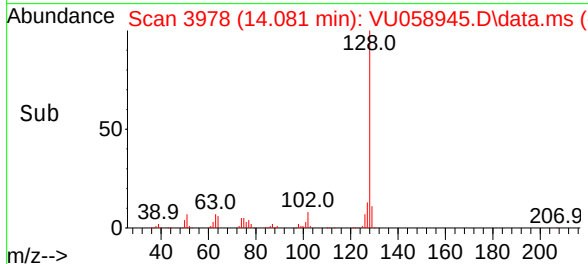
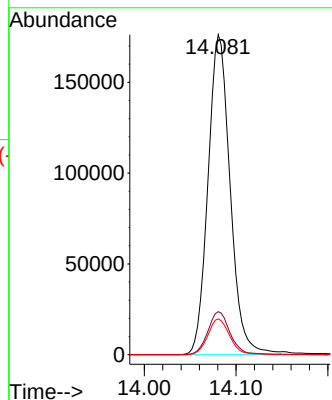
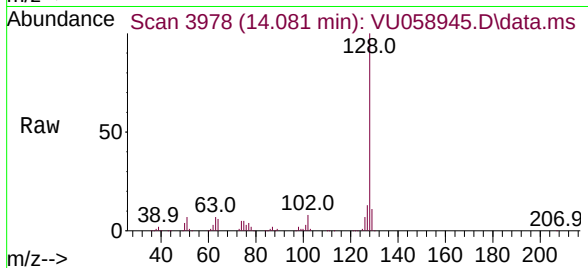
Tgt Ion:128 Resp: 295977

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 55.383 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU058945.D

Acq: 23 May 2024 12:43

Tgt Ion:180 Resp: 104361

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 32.7 26.2 39.2

