

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058947.D
 Acq On : 23 May 2024 13:39
 Operator : MD/SY
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 06:37:28 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	200144	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	203287	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	115348	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	409455	242.026	ug/L	0.00
7) Chloroethane-d5	1.904	69	370692	278.751	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	638776	214.642	ug/L	0.00
21) 2-Butanone-d5	4.612	46	616808	610.893	ug/L	0.00
24) Chloroform-d	5.052	84	706603	236.786	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	431545	229.761	ug/L	0.00
32) Benzene-d6	5.721	84	1449426	229.082	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	466875	233.062	ug/L	0.00
41) Toluene-d8	7.891	98	1339325	234.417	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	222706	231.644	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	462614	558.623	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	708192	262.613	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	495673	221.209	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	247345	149.297	ug/L	99
3) Chloromethane	1.515	50	257780	162.651	ug/L	99
5) Vinyl chloride	1.602	62	303250	179.019	ug/L	99
6) Bromomethane	1.853	94	199436	194.286	ug/L	96
8) Chloroethane	1.927	64	216495	209.427	ug/L	100
9) Trichlorofluoromethane	2.133	101	425386	179.421	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	284515	198.958	ug/L	99
12) 1,1-Dichloroethene	2.573	96	231252	180.807	ug/L	90
13) Acetone	2.625	43	430040	381.204	ug/L	99
14) Carbon disulfide	2.789	76	430537	117.546	ug/L	100
15) Methyl Acetate	2.940	43	403198	256.561	ug/L	100
16) Methylene chloride	3.036	84	314802	204.790	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	238427	183.461	ug/L	100
18) Methyl tert-butyl Ether	3.351	73	1026494	219.312	ug/L	98
19) 1,1-Dichloroethane	3.859	63	599257	219.022	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	329294	212.828	ug/L	97
22) 2-Butanone	4.692	43	646159	503.652	ug/L	98
23) Bromochloromethane	4.965	128	159216	207.822	ug/L	99
25) Chloroform	5.078	83	624794	221.649	ug/L	98
27) 1,2-Dichloroethane	5.785	62	476454	206.801	ug/L	100
29) Cyclohexane	5.383	56	387946	159.467	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	479688	187.901	ug/L	99
31) Carbon tetrachloride	5.518	117	385046	176.019	ug/L	99
33) Benzene	5.766	78	1234086	197.531	ug/L	100
34) Trichloroethene	6.534	95	315102	187.345	ug/L	99
35) Methylcyclohexane	6.756	83	415258	163.157	ug/L	99
37) 1,2-Dichloropropane	6.782	63	386307	217.840	ug/L	99
38) Bromodichloromethane	7.097	83	487888	218.571	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	596538	213.884	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	1224413	530.815	ug/L	99
42) Toluene	7.962	91	1338634	201.820	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	561028	216.896	ug/L	97

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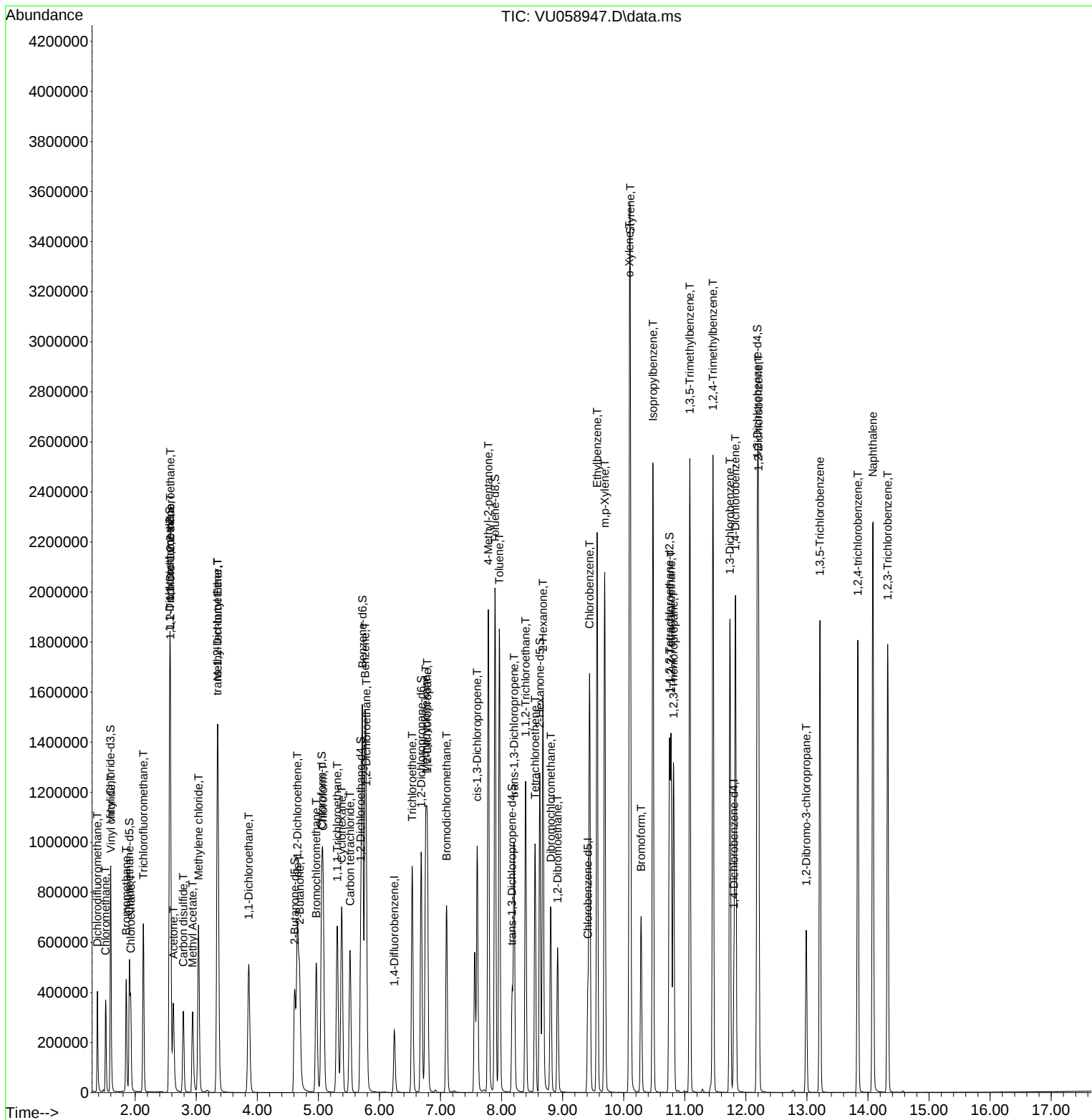
Instrument :
 MSVOA_U
 ClientSampleId :

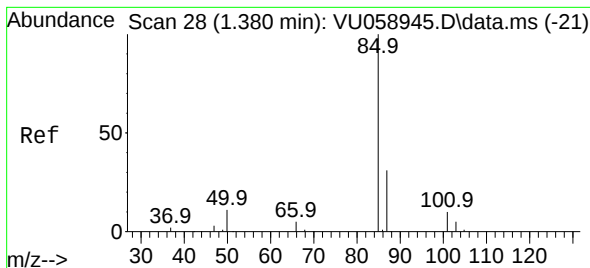
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 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	376125	226.066	ug/L	99
46) Tetrachloroethene	8.547	164	209714	181.779	ug/L	98
48) 2-Hexanone	8.676	43	978526	494.622	ug/L	99
49) Dibromochloromethane	8.804	129	373846	226.479	ug/L	97
50) 1,2-Dibromoethane	8.917	107	376543	216.703	ug/L	98
51) Chlorobenzene	9.441	112	861899	204.121	ug/L	98
52) Ethylbenzene	9.563	91	1565772	210.316	ug/L	100
53) m,p-Xylene	9.689	106	569591	209.580	ug/L	99
54) o-Xylene	10.094	106	578003	216.948	ug/L	100
55) Styrene	10.107	104	1055417	232.876	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	705989	255.470	ug/L	99
59) Bromoform	10.283	173	309872	229.385	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	548429	220.774	ug/L	100
61) Isopropylbenzene	10.480	105	1602221	197.182	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	1331956	197.761	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	1365460	201.584	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	744091	206.251	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	759217	204.180	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	770213	210.838	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	167424	260.404	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	558226	220.620	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	521577	240.797	ug/L	98
71) Naphthalene	14.081	128	1762437	295.667	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	523127	250.234	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 149.297 ug/L

RT: 1.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

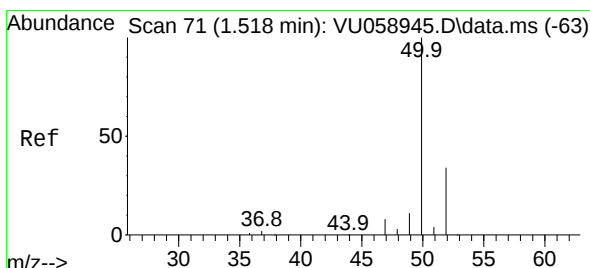
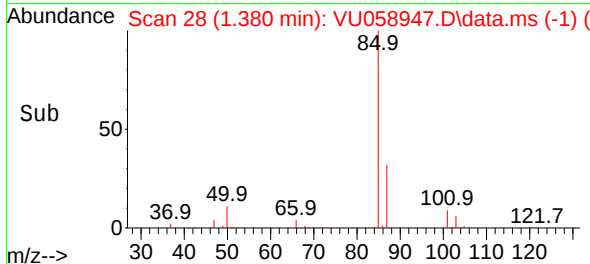
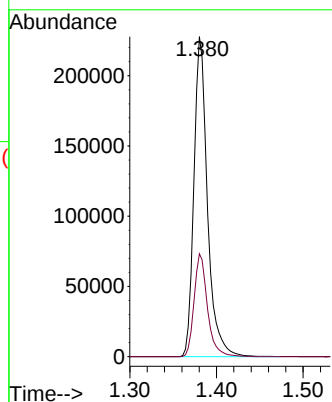
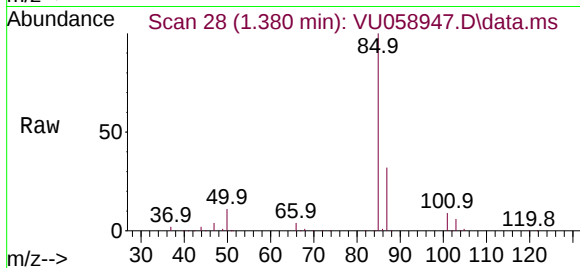
ClientSampleId :

Tgt Ion: 85 Resp: 247345

Ion Ratio Lower Upper

85 100

87 31.8 25.7 38.5



#3

Chloromethane

Concen: 162.651 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU058947.D

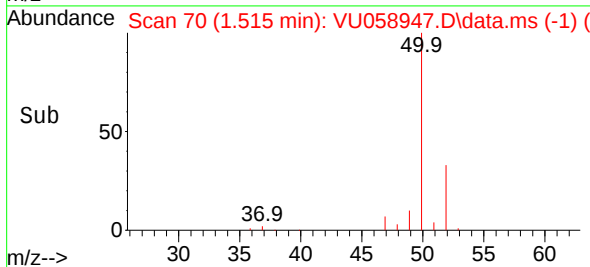
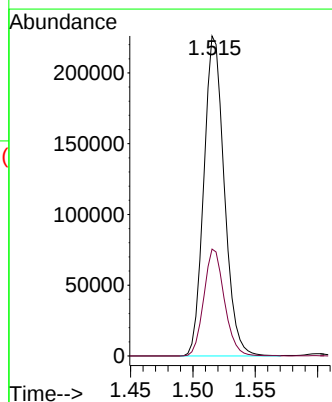
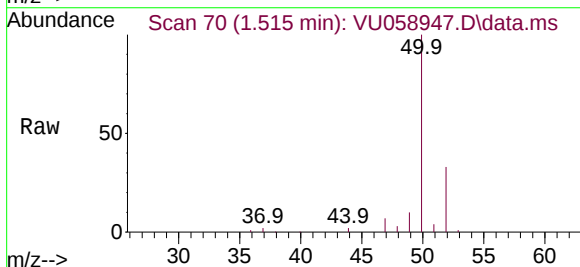
Acq: 23 May 2024 13:39

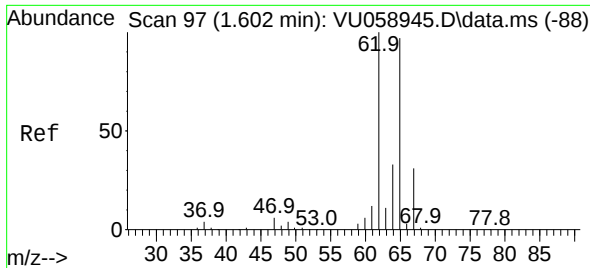
Tgt Ion: 50 Resp: 257780

Ion Ratio Lower Upper

50 100

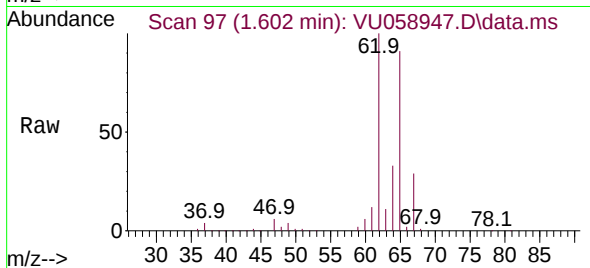
52 33.4 23.9 44.3



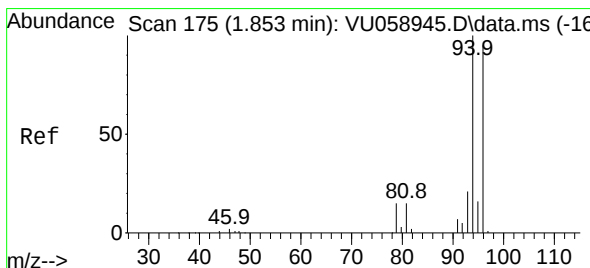
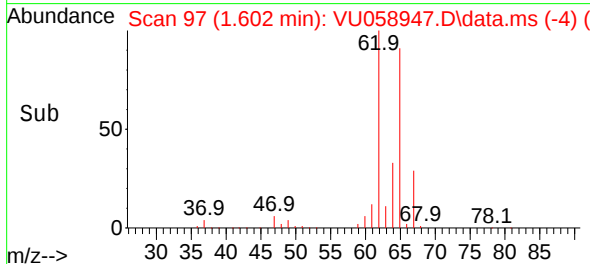
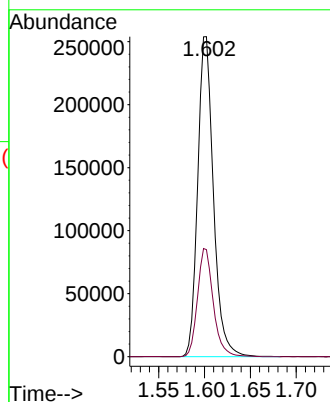


#5
 Vinyl chloride
 Concen: 179.019 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU058947.D
 Acq: 23 May 2024 13:39

Instrument :
 MSVOA_U
 ClientSampleId :

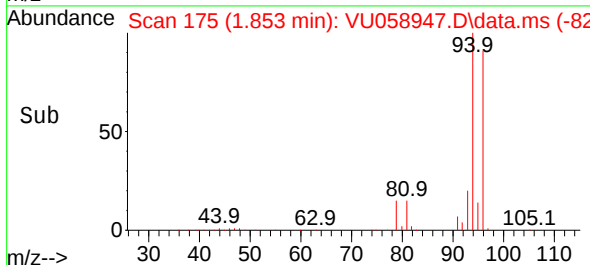
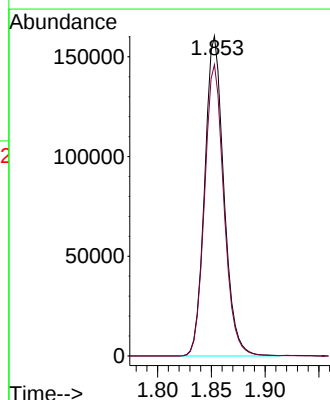
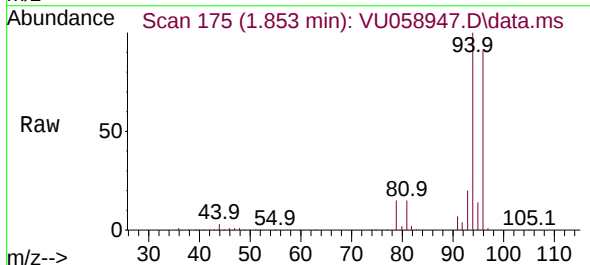


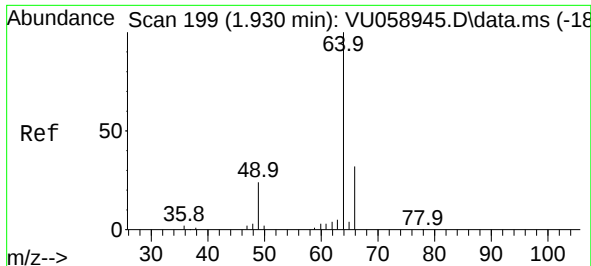
Tgt Ion: 62 Resp: 303250
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.7 43.9



#6
 Bromomethane
 Concen: 194.286 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU058947.D
 Acq: 23 May 2024 13:39

Tgt Ion: 94 Resp: 199436
 Ion Ratio Lower Upper
 94 100
 96 91.1 66.6 123.6





#8

Chloroethane

Concen: 209.427 ug/L

RT: 1.927 min Scan# 198

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

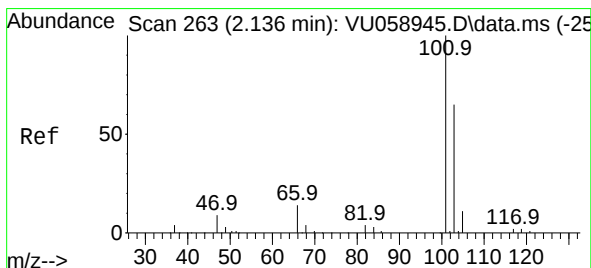
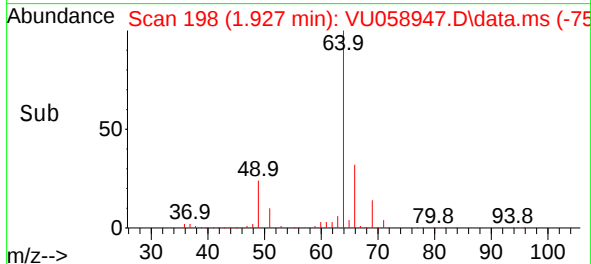
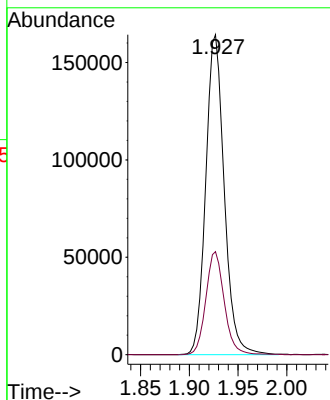
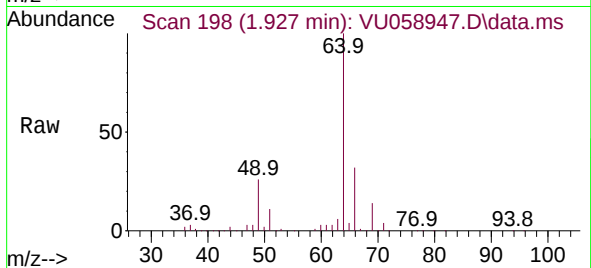
ClientSampleId :

Tgt Ion: 64 Resp: 216495

Ion Ratio Lower Upper

64 100

66 32.2 22.7 42.1



#9

Trichlorofluoromethane

Concen: 179.421 ug/L

RT: 2.133 min Scan# 262

Delta R.T. -0.003 min

Lab File: VU058947.D

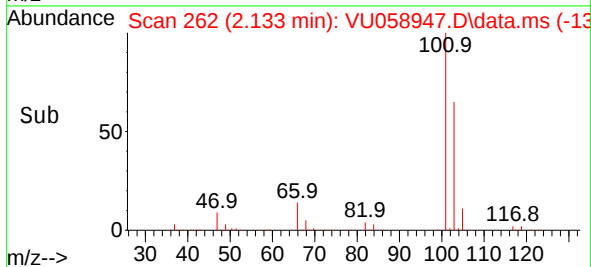
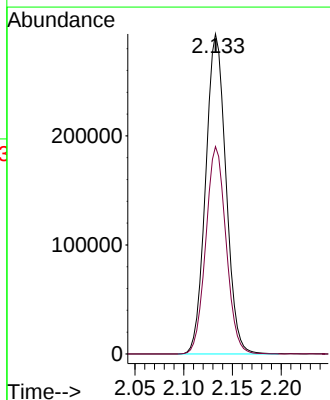
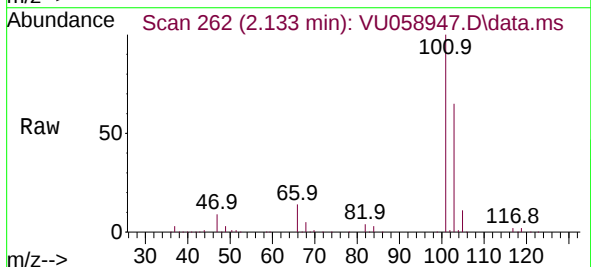
Acq: 23 May 2024 13:39

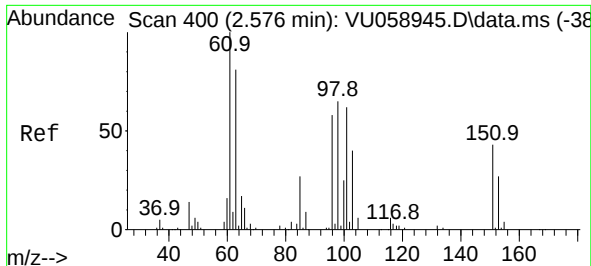
Tgt Ion:101 Resp: 425386

Ion Ratio Lower Upper

101 100

103 64.7 51.6 77.4

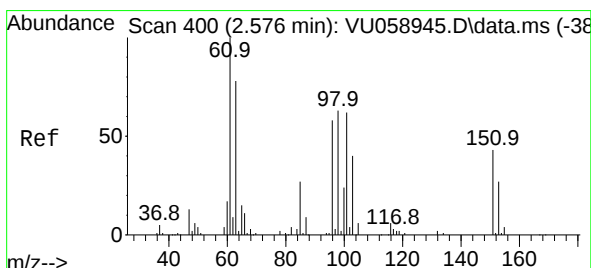
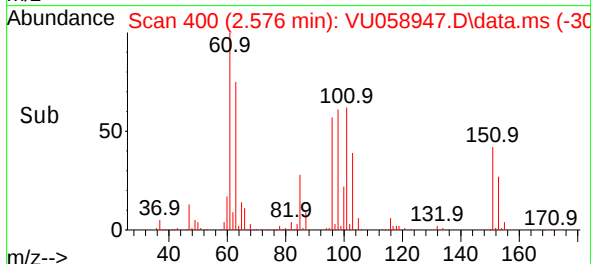
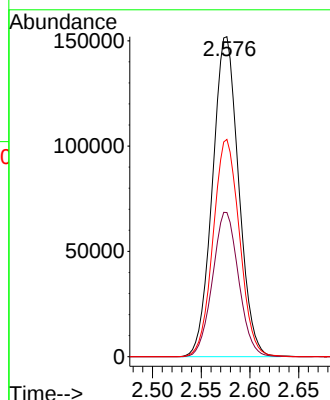
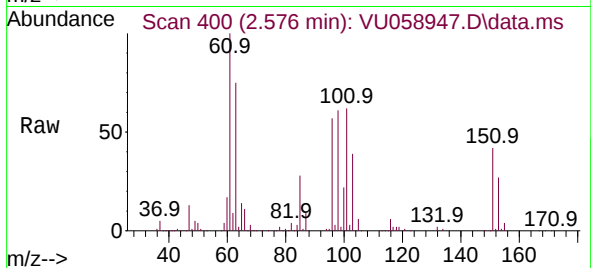




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 198.958 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU058947.D
 Acq: 23 May 2024 13:39

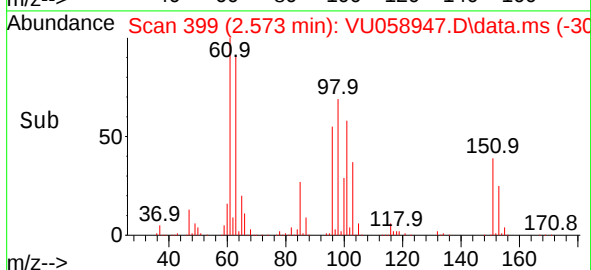
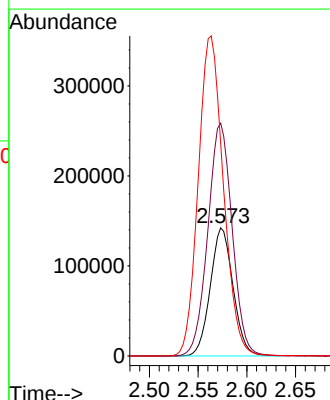
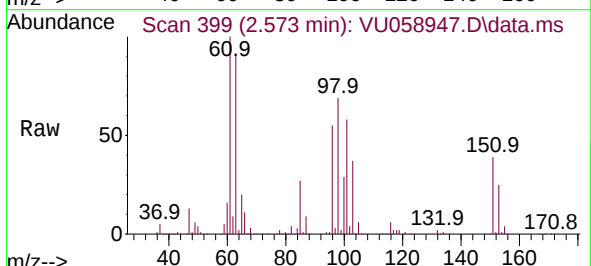
Instrument :
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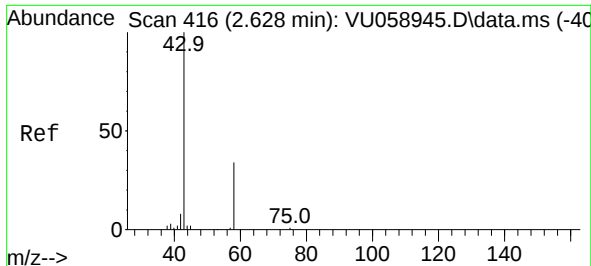
Tgt Ion:101 Resp: 284515
 Ion Ratio Lower Upper
 101 100
 85 44.8 34.9 52.3
 151 68.6 54.5 81.7



#12
 1,1-Dichloroethene
 Concen: 180.807 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU058947.D
 Acq: 23 May 2024 13:39

Tgt Ion: 96 Resp: 231252
 Ion Ratio Lower Upper
 96 100
 61 181.7 122.2 227.0
 63 166.0 102.8 190.8





#13

Acetone

Concen: 381.204 ug/L

RT: 2.625 min Scan# 416

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

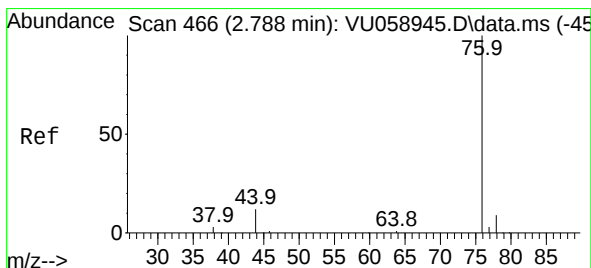
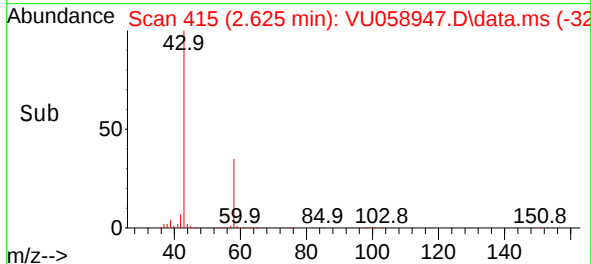
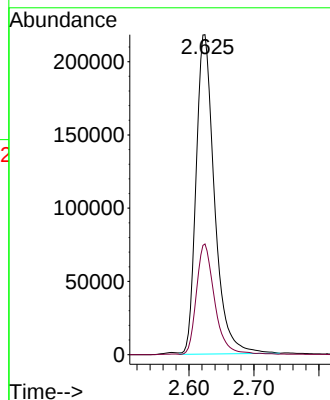
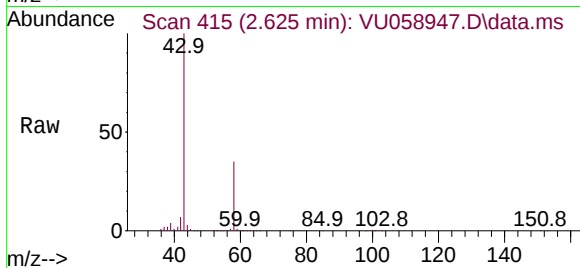
ClientSampleId :

Tgt Ion: 43 Resp: 430040

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2



#14

Carbon disulfide

Concen: 117.546 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU058947.D

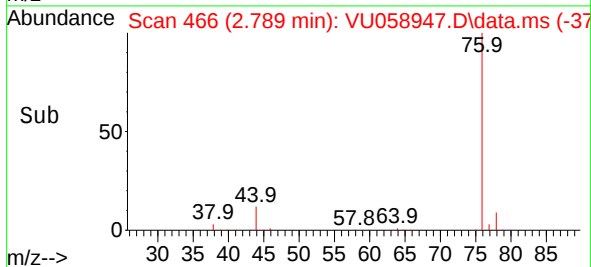
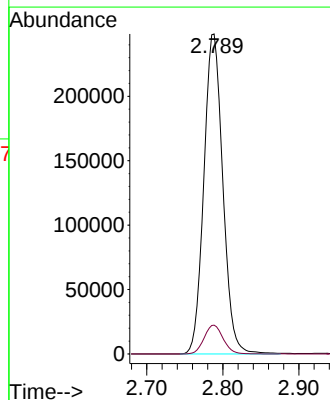
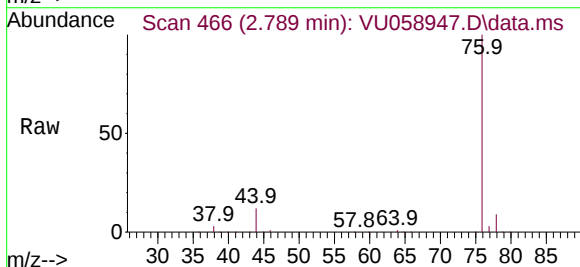
Acq: 23 May 2024 13:39

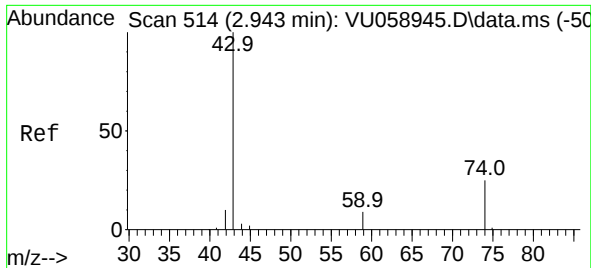
Tgt Ion: 76 Resp: 430537

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 256.561 ug/L

RT: 2.940 min Scan# 514

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

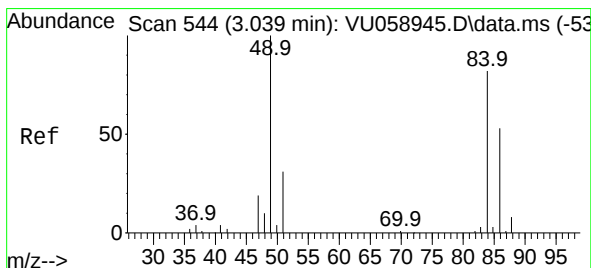
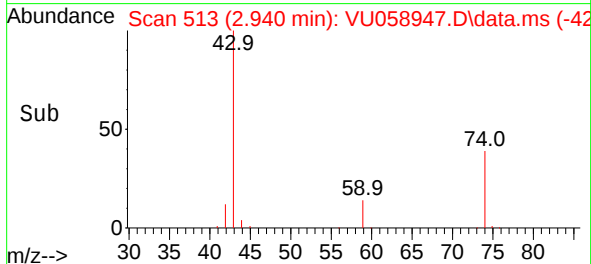
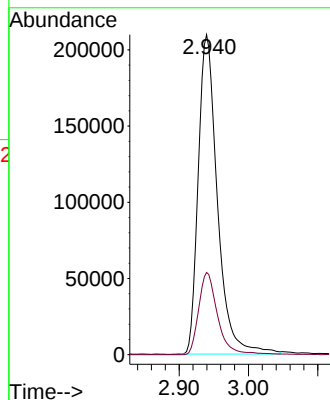
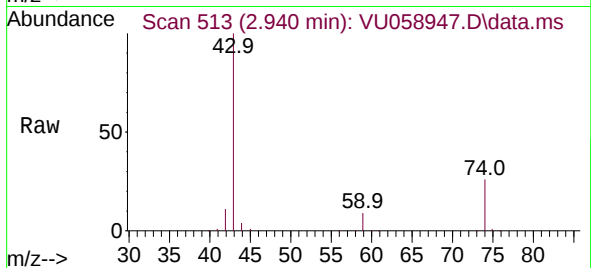
ClientSampleId :

Tgt Ion: 43 Resp: 403198

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



#16

Methylene chloride

Concen: 204.790 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

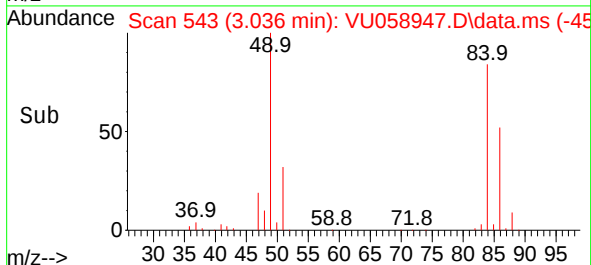
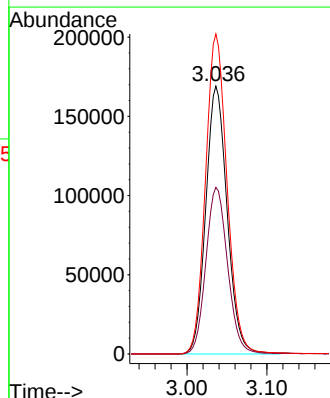
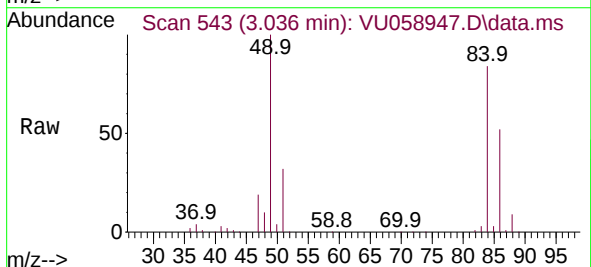
Tgt Ion: 84 Resp: 314802

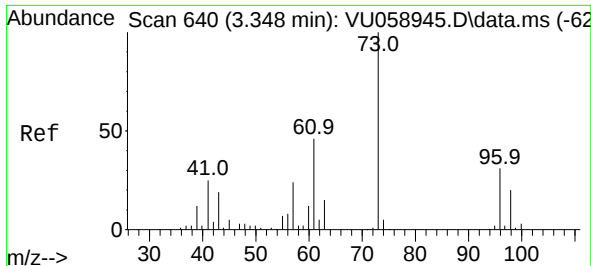
Ion Ratio Lower Upper

84 100

86 62.2 44.9 83.5

49 119.4 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 183.461 ug/L

RT: 3.345 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

ClientSampleId :

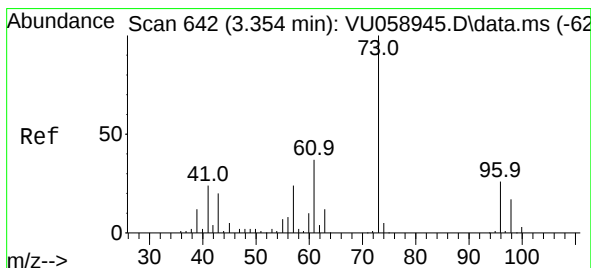
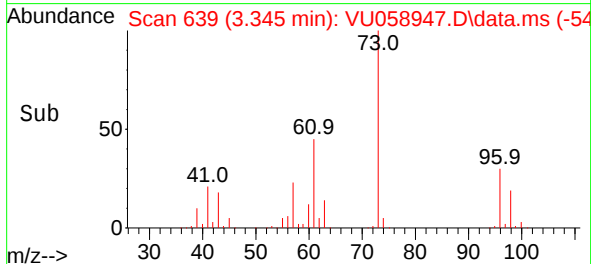
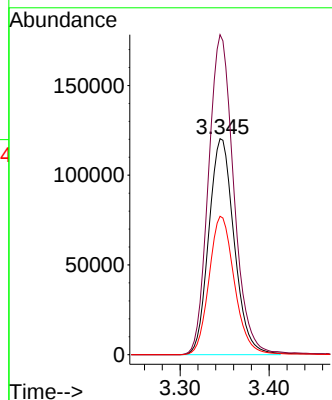
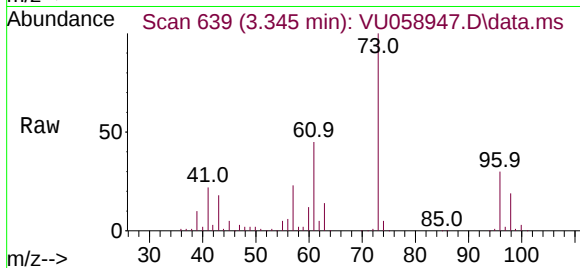
Tgt Ion: 96 Resp: 238427

Ion Ratio Lower Upper

96 100

61 148.2 103.5 192.1

98 64.1 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 219.312 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

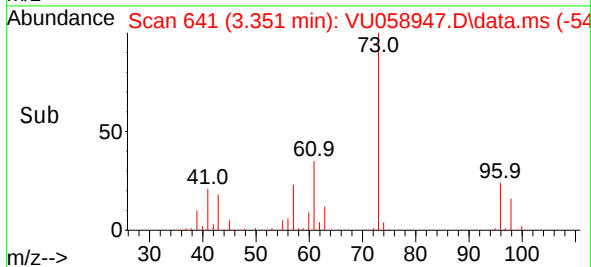
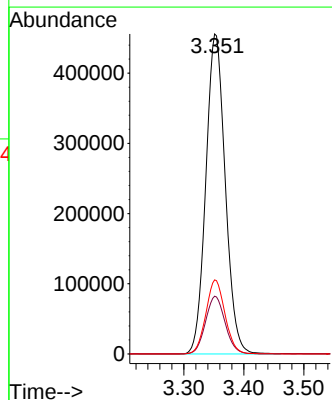
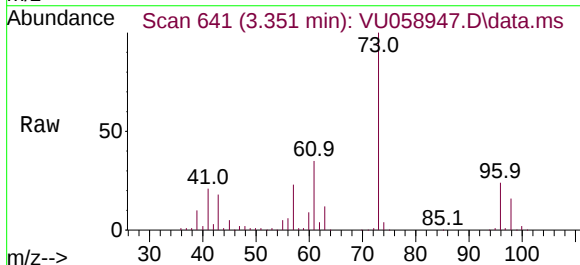
Tgt Ion: 73 Resp: 1026494

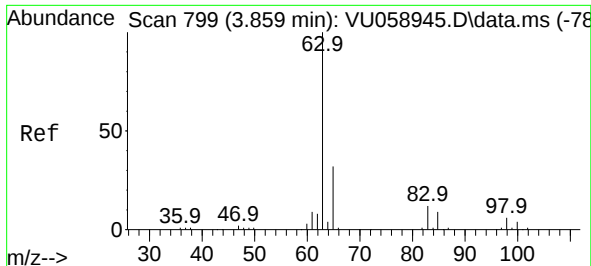
Ion Ratio Lower Upper

73 100

43 18.1 15.4 23.2

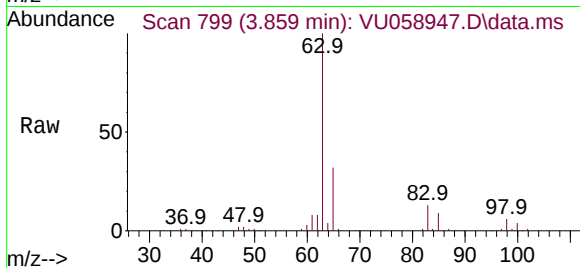
57 22.8 18.6 27.8



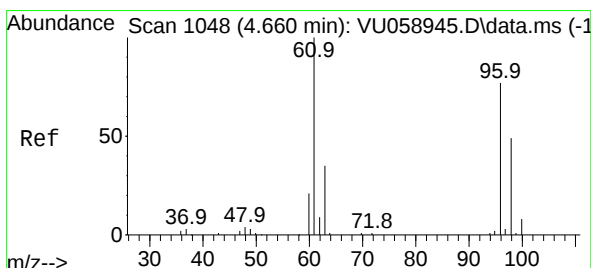
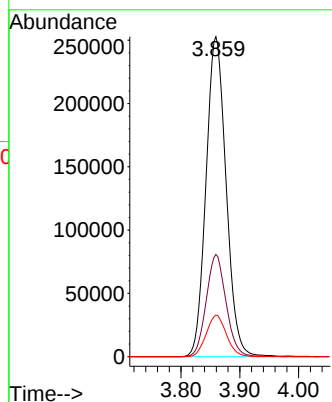
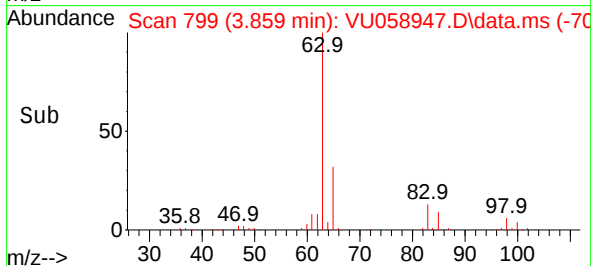


#19
1,1-Dichloroethane
Concen: 219.022 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

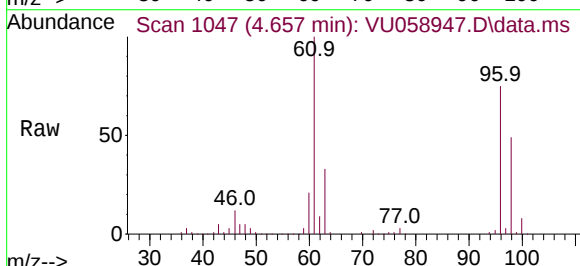
Instrument :
MSVOA_U
ClientSampleId :



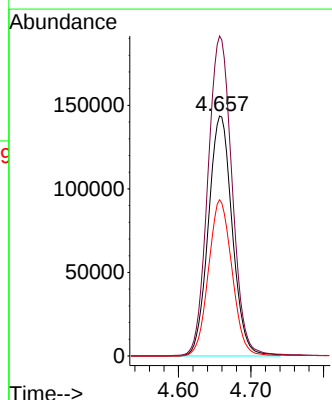
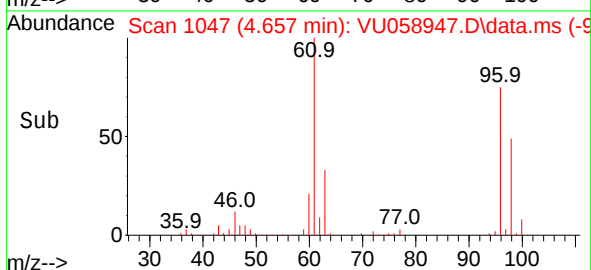
Tgt Ion: 63 Resp: 599257
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.3
83 13.0 8.5 15.9

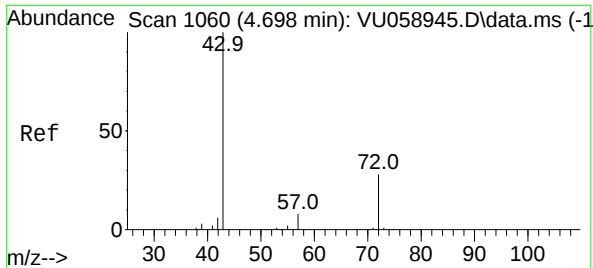


#20
cis-1,2-Dichloroethene
Concen: 212.828 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39



Tgt Ion: 96 Resp: 329294
Ion Ratio Lower Upper
96 100
61 133.3 91.1 169.3
98 65.1 44.4 82.4

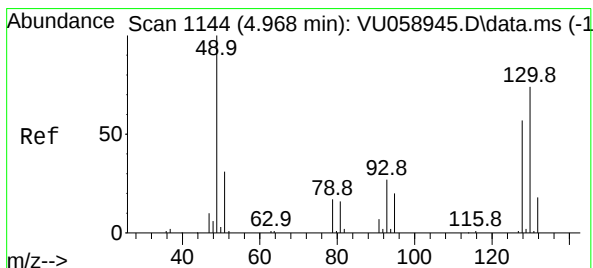
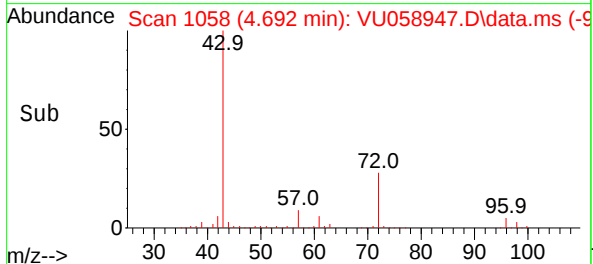
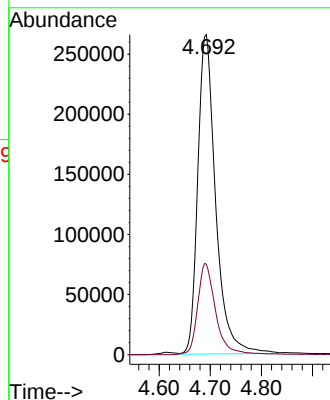
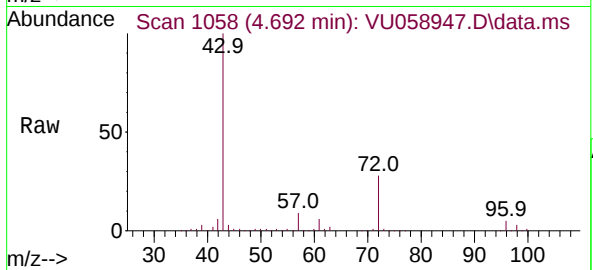




#22
2-Butanone
Concen: 503.652 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.006 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

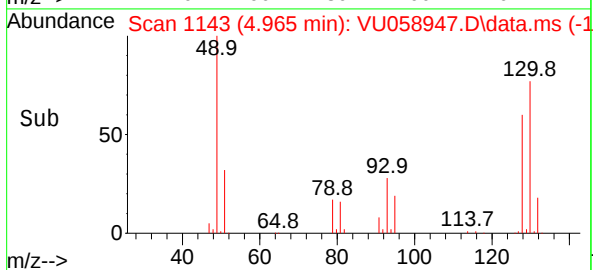
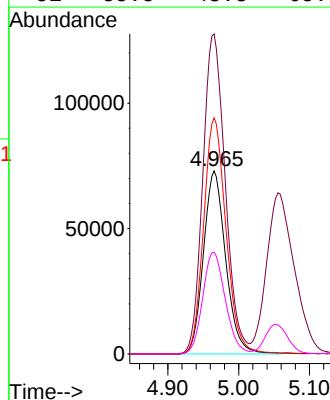
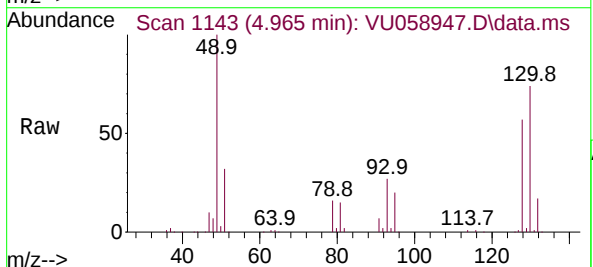
Instrument :
MSVOA_U
ClientSampleId :

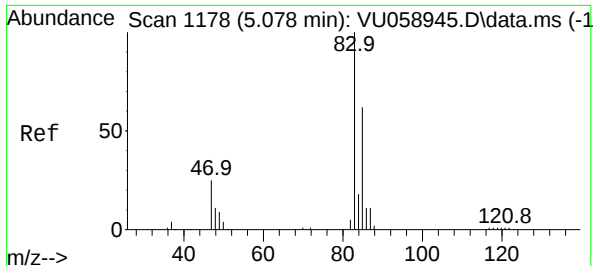
Tgt Ion: 43 Resp: 646159
Ion Ratio Lower Upper
43 100
72 28.6 13.9 41.7



#23
Bromochloromethane
Concen: 207.822 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion:128 Resp: 159216
Ion Ratio Lower Upper
128 100
49 174.8 123.8 229.8
130 128.9 90.6 168.2
51 55.5 43.8 65.6





#25

Chloroform

Concen: 221.649 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

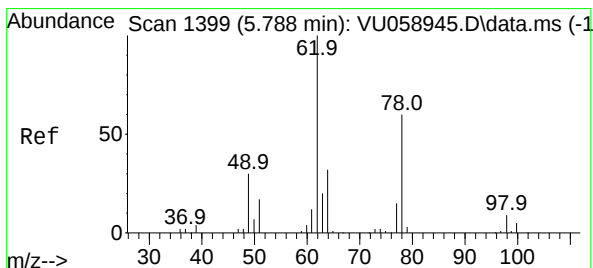
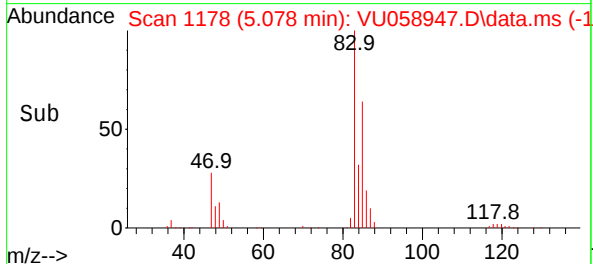
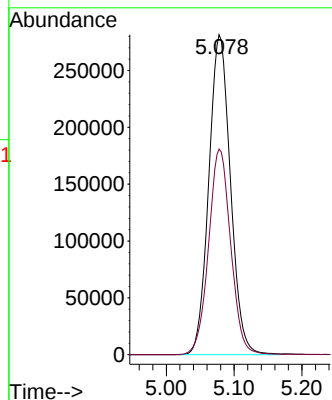
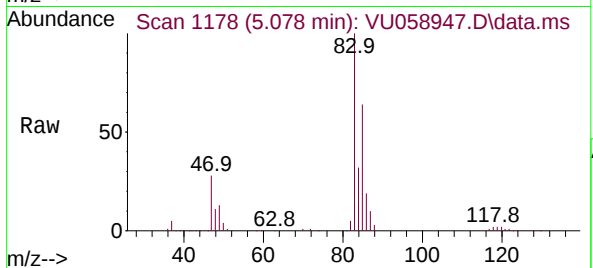
ClientSampleId :

Tgt Ion: 83 Resp: 624794

Ion Ratio Lower Upper

83 100

85 64.3 43.8 81.3



#27

1,2-Dichloroethane

Concen: 206.801 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU058947.D

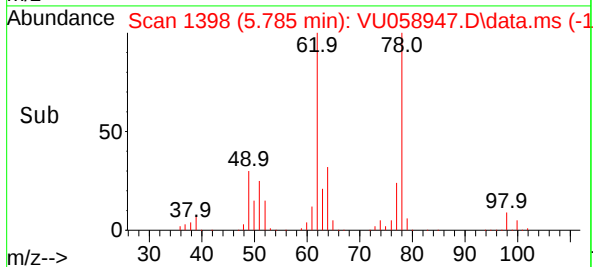
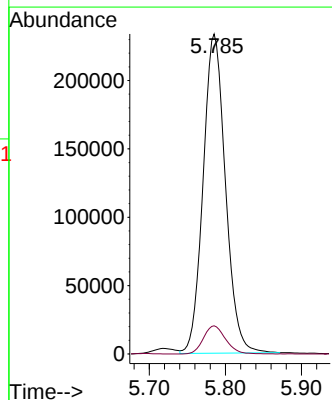
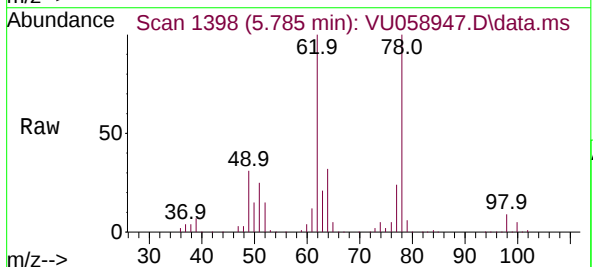
Acq: 23 May 2024 13:39

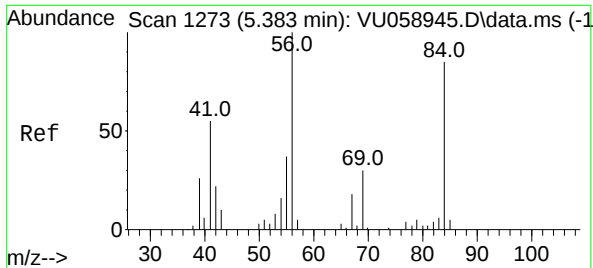
Tgt Ion: 62 Resp: 476454

Ion Ratio Lower Upper

62 100

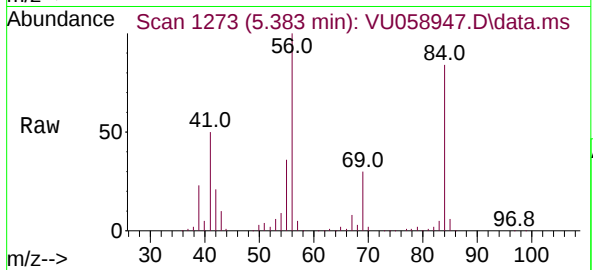
98 8.8 7.0 10.4



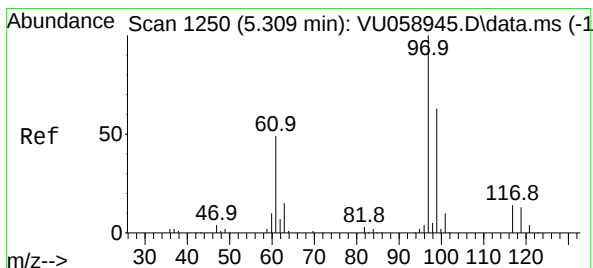
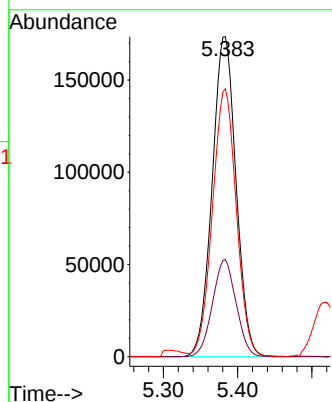
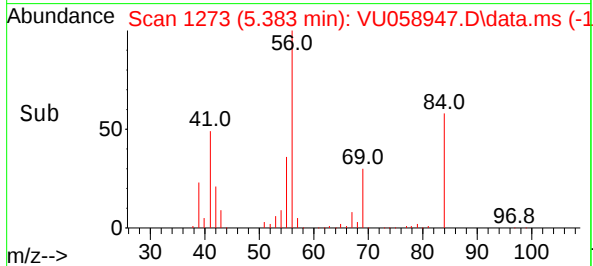


#29
Cyclohexane
Concen: 159.467 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Instrument :
MSVOA_U
ClientSampleId :

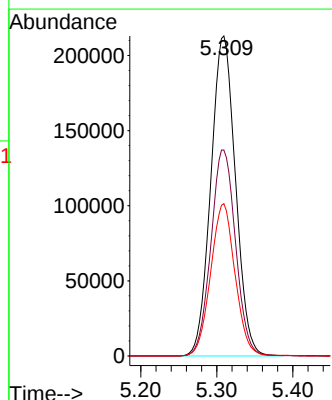
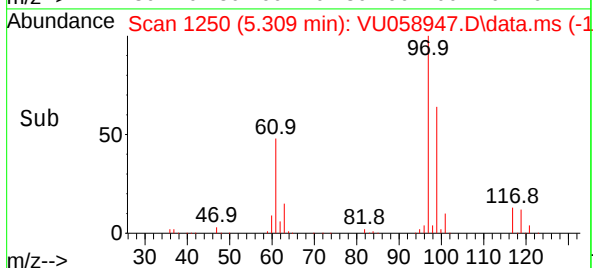
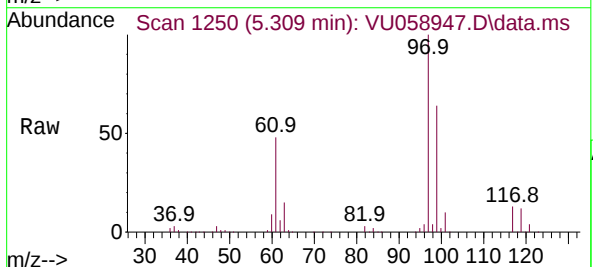


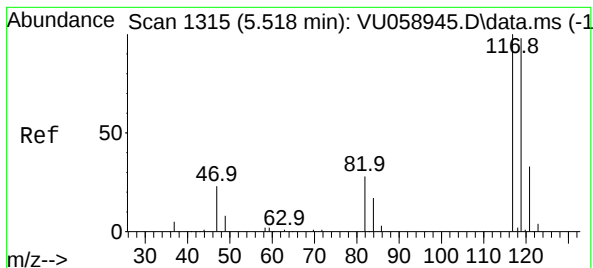
Tgt Ion: 56 Resp: 387946
Ion Ratio Lower Upper
56 100
69 30.0 24.3 36.5
84 83.7 66.7 100.1



#30
1,1,1-Trichloroethane
Concen: 187.901 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion: 97 Resp: 479688
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 47.1 38.9 58.3





#31

Carbon tetrachloride

Concen: 176.019 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

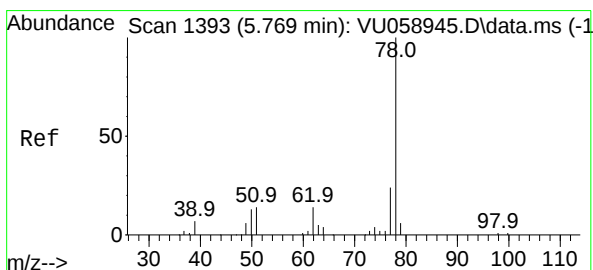
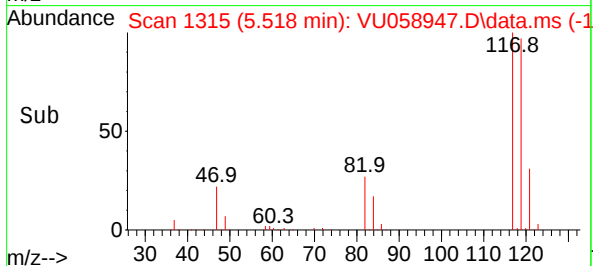
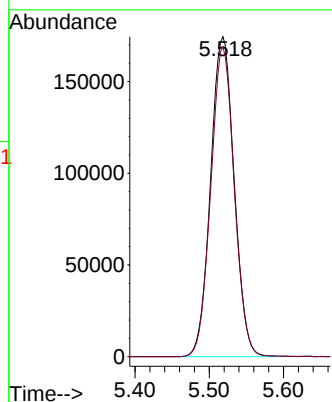
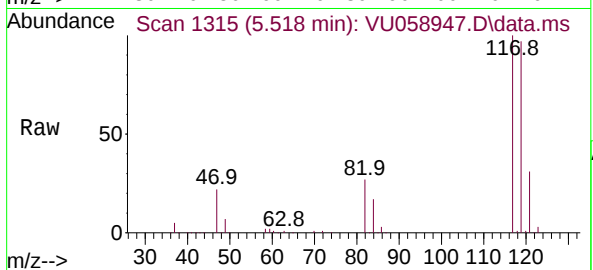
ClientSampleId :

Tgt Ion:117 Resp: 385046

Ion Ratio Lower Upper

117 100

119 95.9 77.4 116.0



#33

Benzene

Concen: 197.531 ug/L

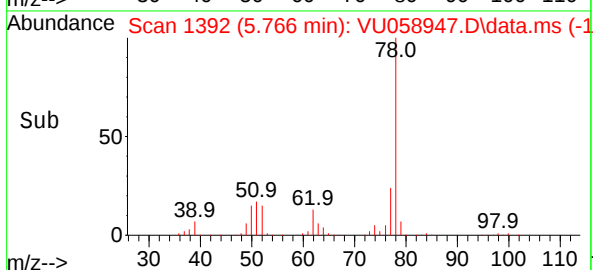
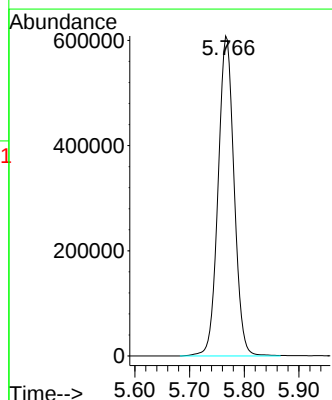
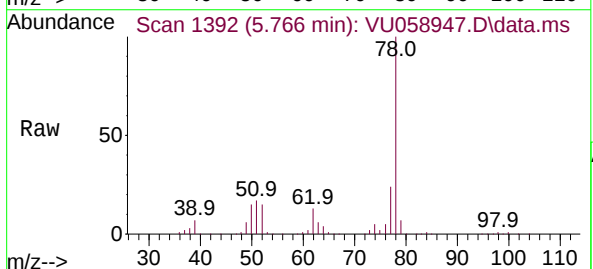
RT: 5.766 min Scan# 1392

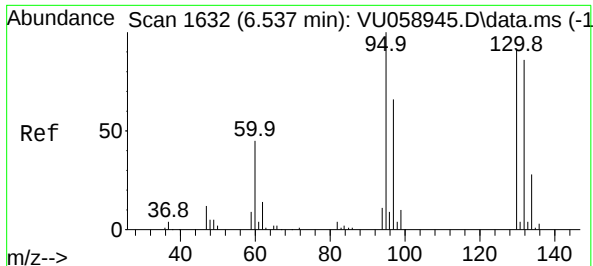
Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Tgt Ion: 78 Resp: 1234086

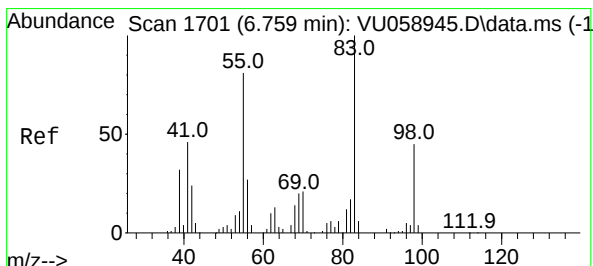
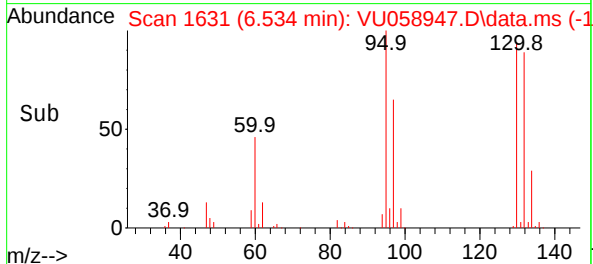
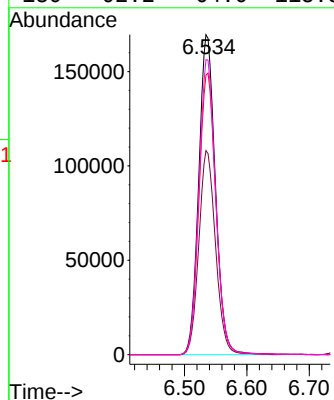
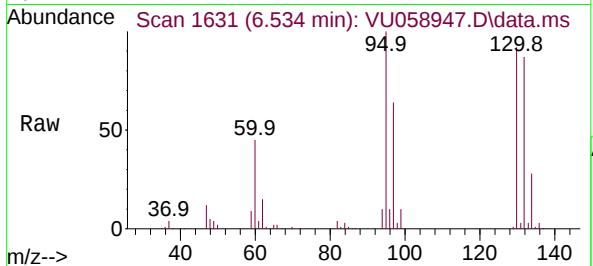




#34
Trichloroethene
Concen: 187.345 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

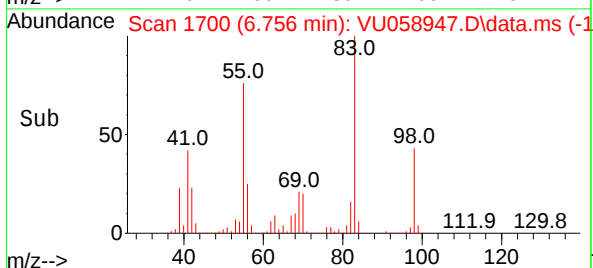
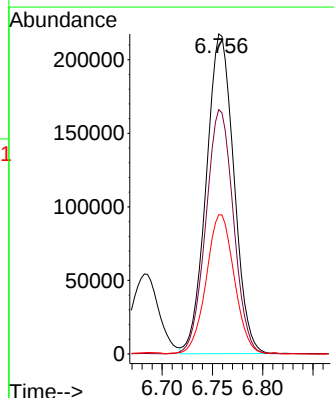
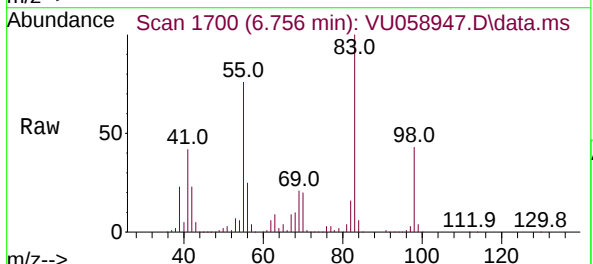
Instrument :
MSVOA_U
ClientSampleId :

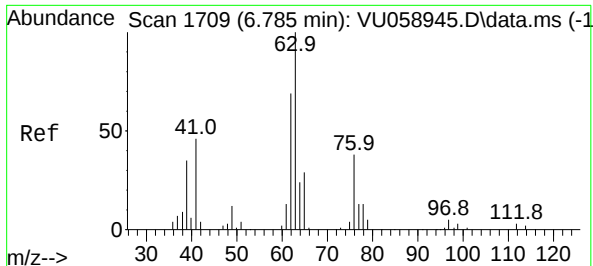
Tgt Ion: 95 Resp: 315102
Ion Ratio Lower Upper
95 100
97 63.8 45.9 85.3
132 87.4 60.5 112.5
130 92.2 64.0 118.8



#35
Methylcyclohexane
Concen: 163.157 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion: 83 Resp: 415258
Ion Ratio Lower Upper
83 100
55 76.5 61.5 92.3
98 44.3 36.2 54.2

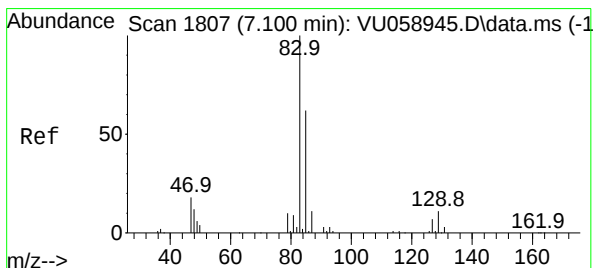
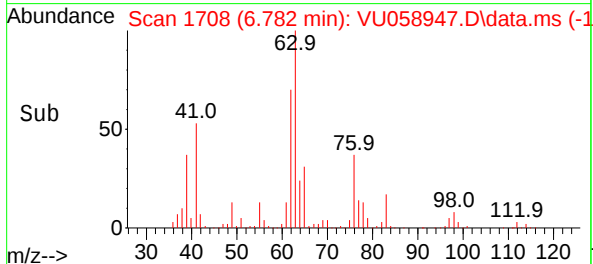
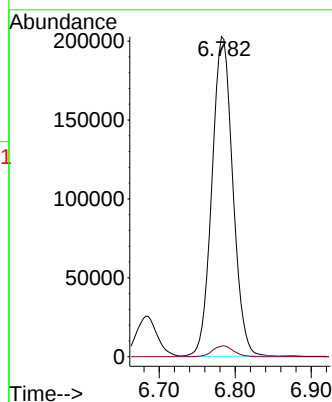
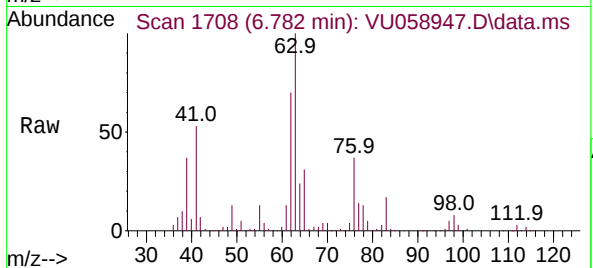




#37
1,2-Dichloropropane
Concen: 217.840 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

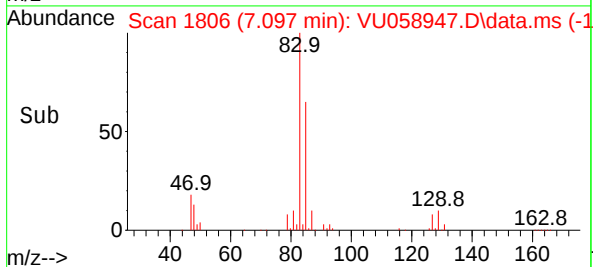
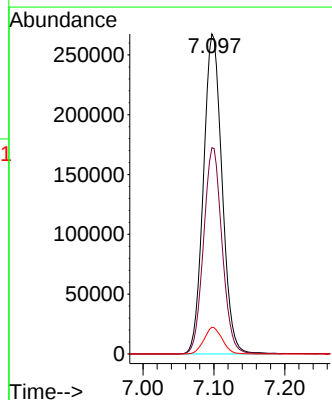
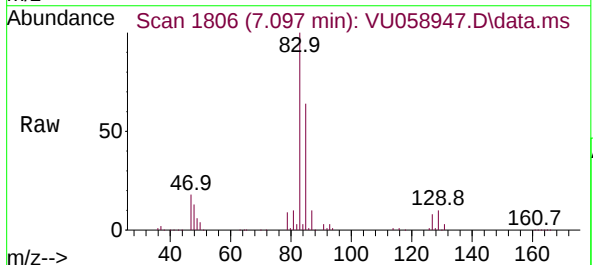
Instrument :
MSVOA_U
ClientSampleId :

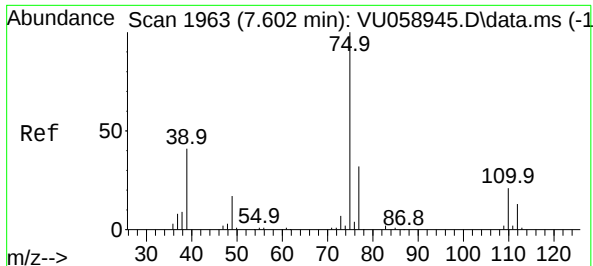
Tgt Ion: 63 Resp: 386307
Ion Ratio Lower Upper
63 100
112 3.4 2.5 3.7



#38
Bromodichloromethane
Concen: 218.571 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion: 83 Resp: 487888
Ion Ratio Lower Upper
83 100
85 64.4 43.5 80.9
127 8.4 5.8 8.6

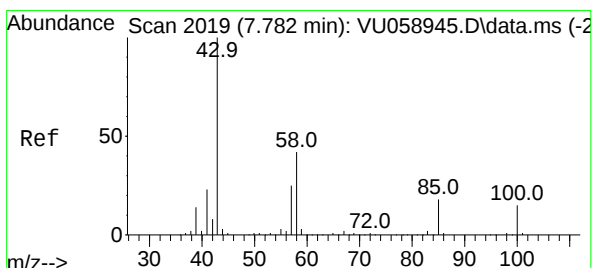
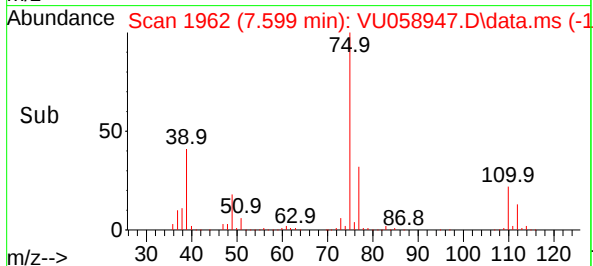
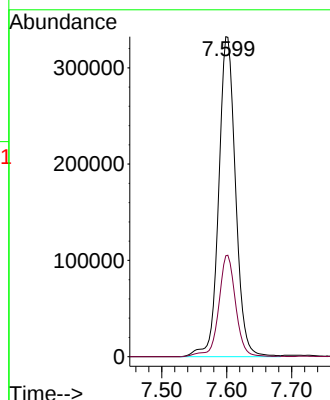
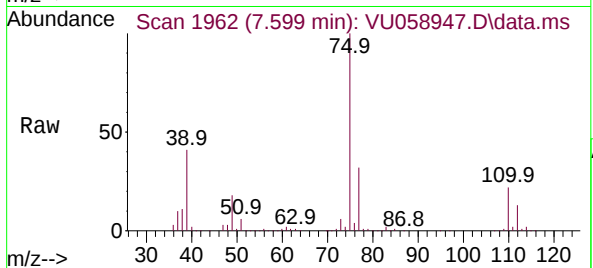




#39
cis-1,3-Dichloropropene
Concen: 213.884 ug/L
RT: 7.599 min Scan# 1962
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

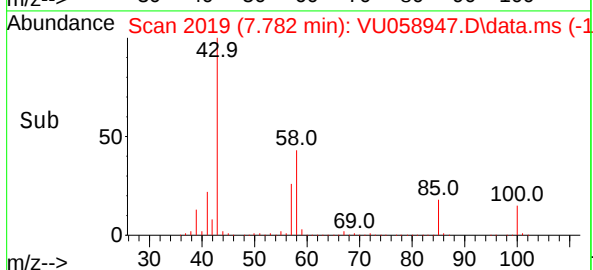
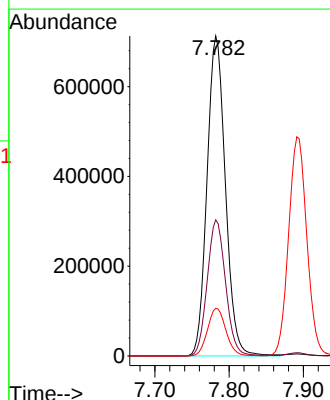
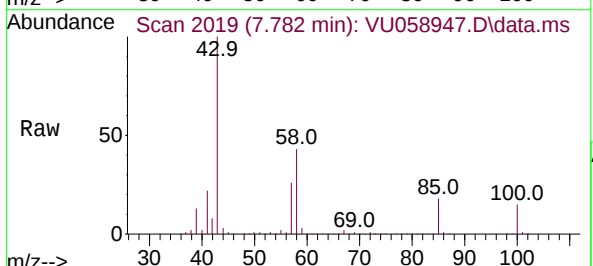
Instrument :
MSVOA_U
ClientSampleId :

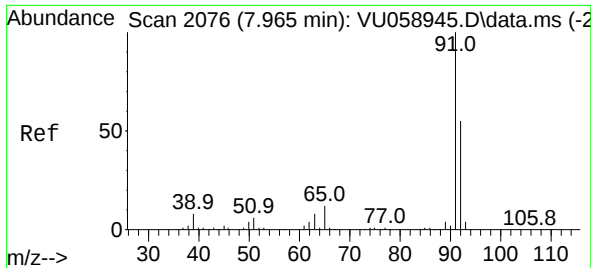
Tgt Ion: 75 Resp: 596538
Ion Ratio Lower Upper
75 100
77 31.6 22.5 41.7



#40
4-Methyl-2-pentanone
Concen: 530.815 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion: 43 Resp: 1224413
Ion Ratio Lower Upper
43 100
58 42.6 33.5 50.3
100 14.9 11.8 17.8





#42

Toluene

Concen: 201.820 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

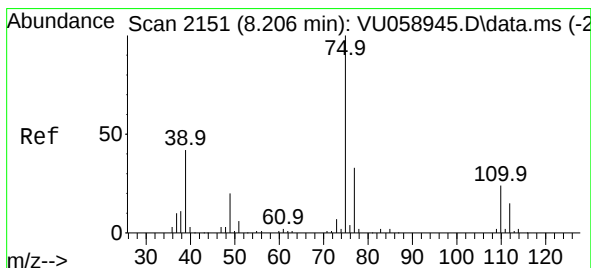
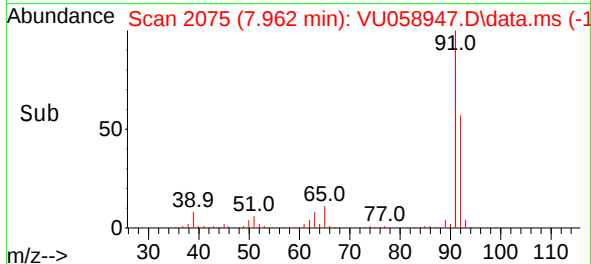
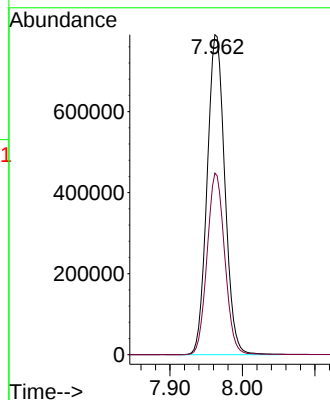
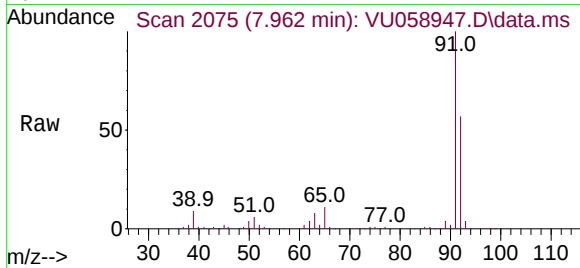
ClientSampleId :

Tgt Ion: 91 Resp: 1338634

Ion Ratio Lower Upper

91 100

92 56.7 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 216.896 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058947.D

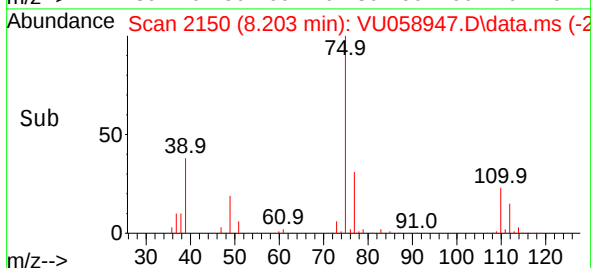
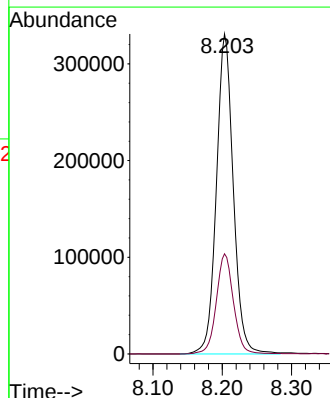
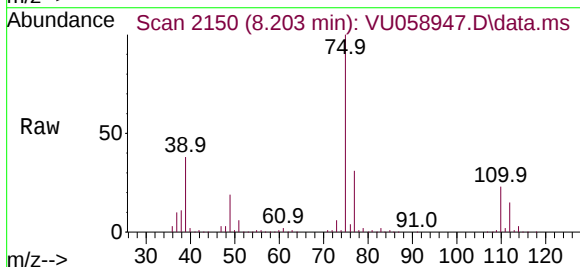
Acq: 23 May 2024 13:39

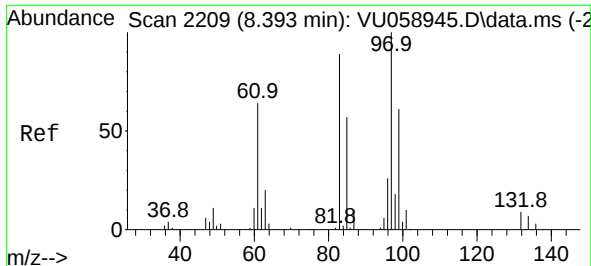
Tgt Ion: 75 Resp: 561028

Ion Ratio Lower Upper

75 100

77 31.3 23.0 42.8



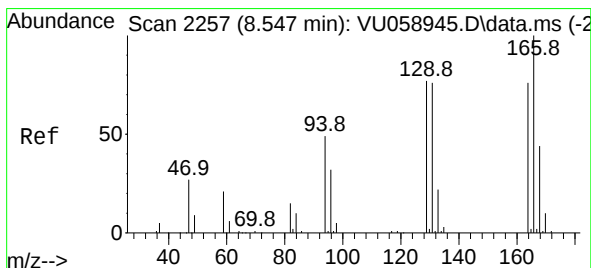
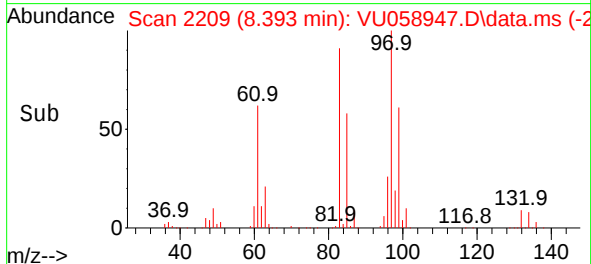
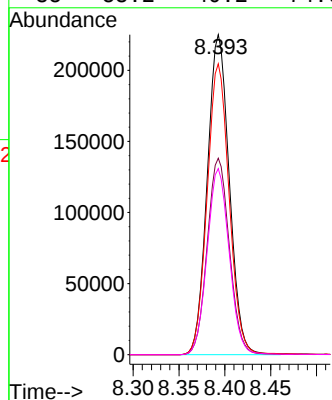
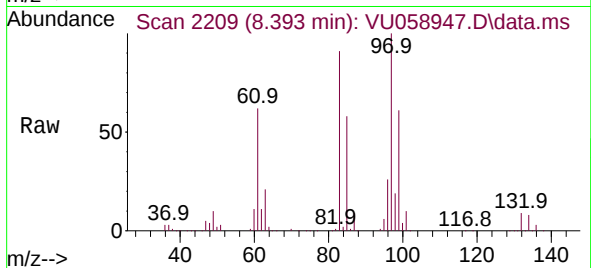


#45
1,1,2-Trichloroethane
Concen: 226.066 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 376125

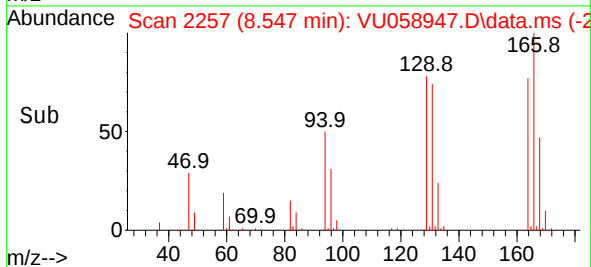
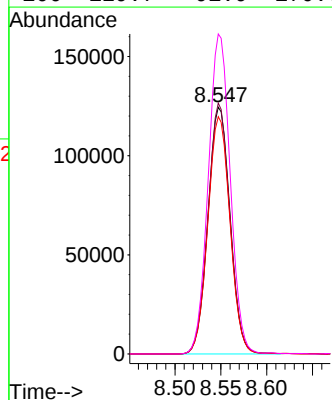
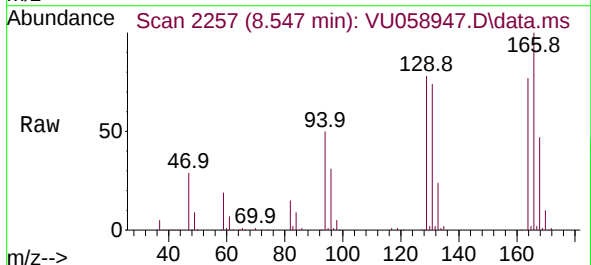
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.6	79.2
83	90.9	62.2	115.6
85	58.2	40.2	74.6

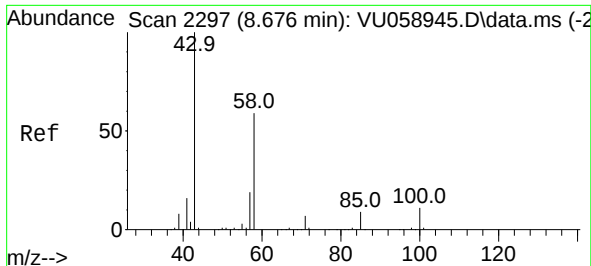


#46
Tetrachloroethene
Concen: 181.779 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion: 164 Resp: 209714

Ion	Ratio	Lower	Upper
164	100		
129	101.7	70.6	131.0
131	96.2	69.2	128.6
166	129.7	91.9	170.7

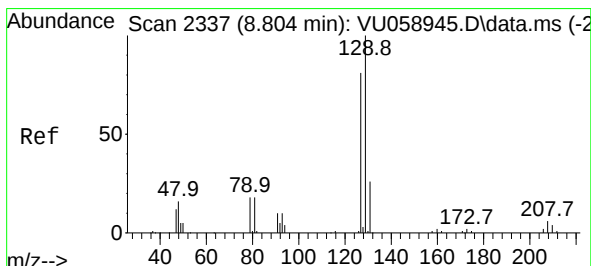
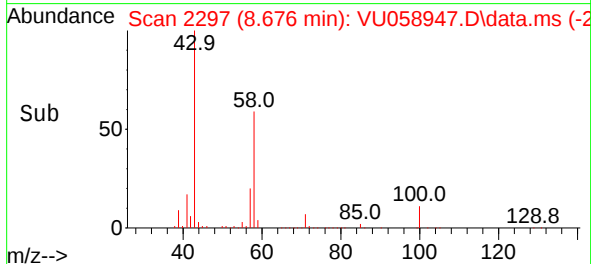
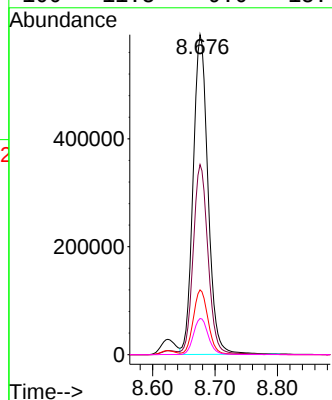
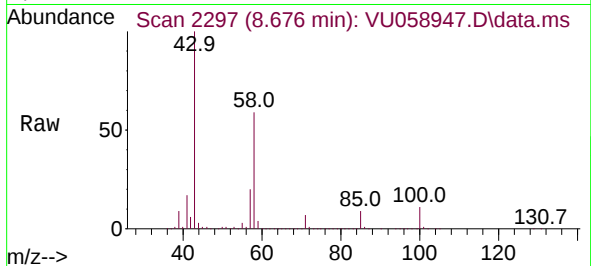




#48
2-Hexanone
Concen: 494.622 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

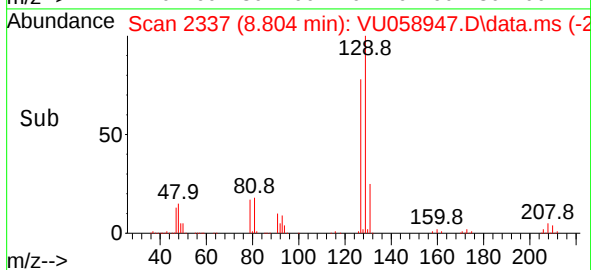
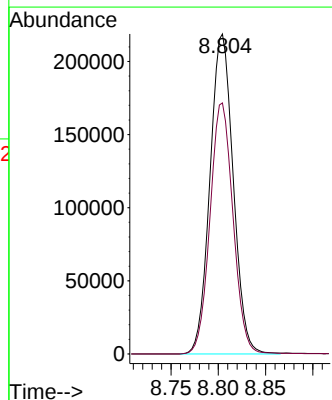
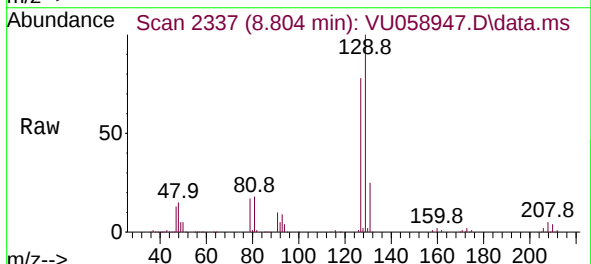
Instrument :
MSVOA_U
ClientSampleId :

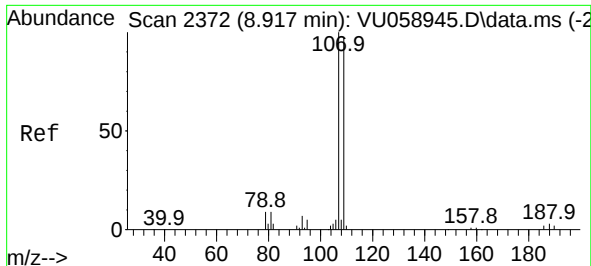
Tgt Ion: 43 Resp: 978526
Ion Ratio Lower Upper
43 100
58 58.7 47.8 71.6
57 20.1 15.7 23.5
100 11.3 9.0 13.4



#49
Dibromochloromethane
Concen: 226.479 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

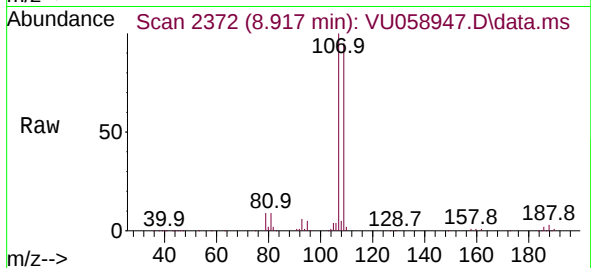
Tgt Ion:129 Resp: 373846
Ion Ratio Lower Upper
129 100
127 78.5 56.8 105.4



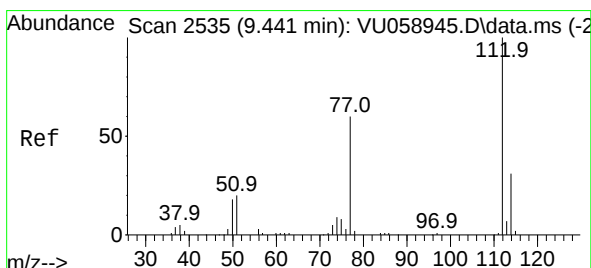
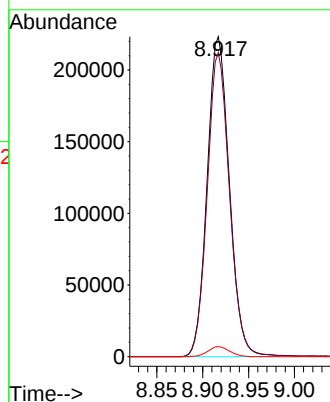
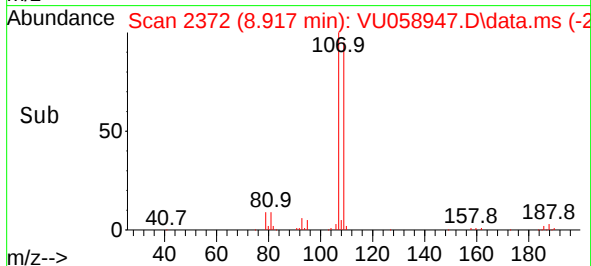


#50
1,2-Dibromoethane
Concen: 216.703 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Instrument :
MSVOA_U
ClientSampleId :

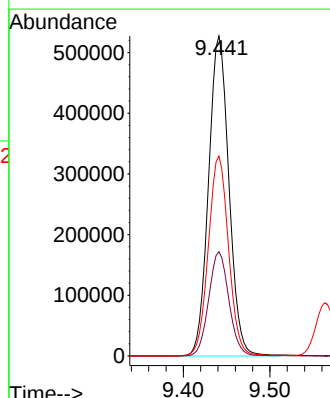
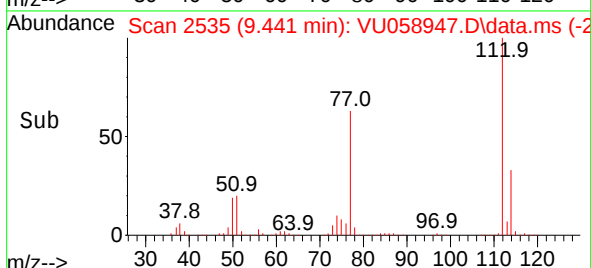
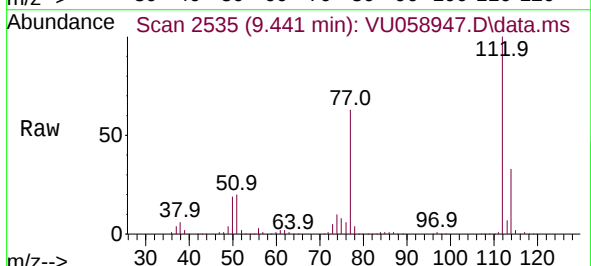


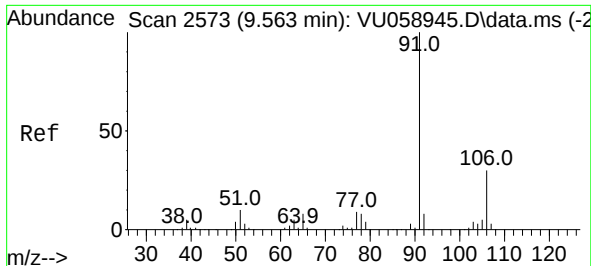
Tgt Ion:107 Resp: 376543
Ion Ratio Lower Upper
107 100
109 95.0 68.0 126.2
188 3.3 2.6 3.8



#51
Chlorobenzene
Concen: 204.121 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion:112 Resp: 861899
Ion Ratio Lower Upper
112 100
114 32.6 21.8 40.6
77 62.5 48.8 73.2

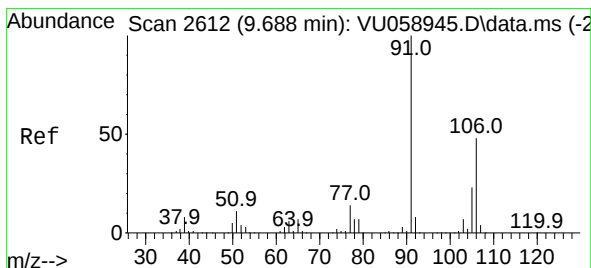
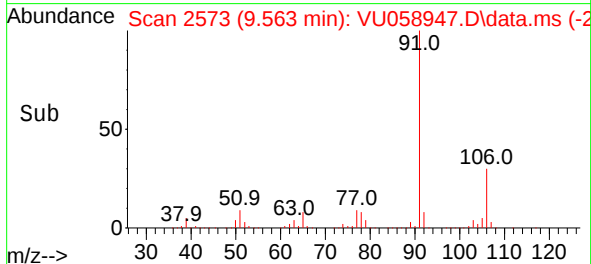
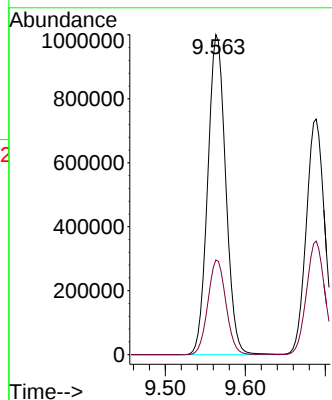
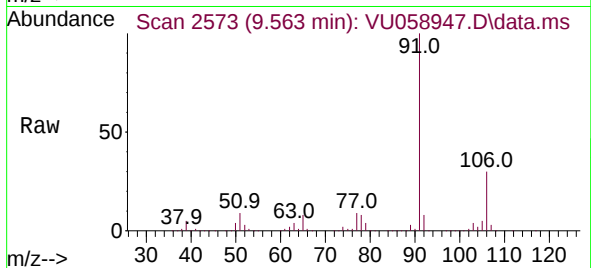




#52
Ethylbenzene
Concen: 210.316 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

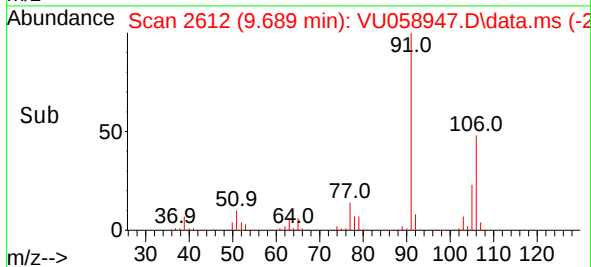
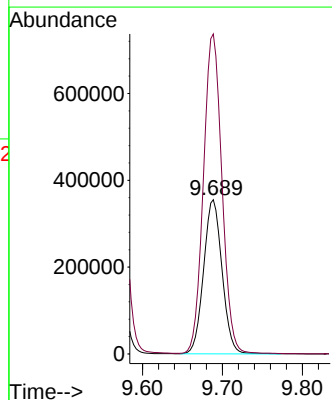
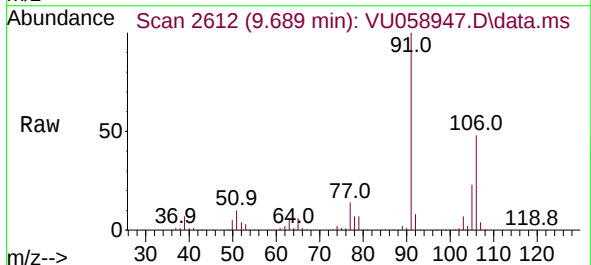
Instrument :
MSVOA_U
ClientSampleId :

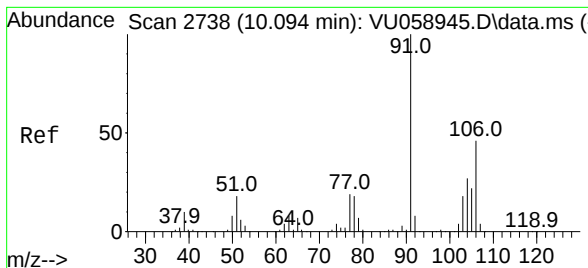
Tgt Ion: 91 Resp: 1565772
Ion Ratio Lower Upper
91 100
106 29.6 20.8 38.6



#53
m,p-Xylene
Concen: 209.580 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion:106 Resp: 569591
Ion Ratio Lower Upper
106 100
91 207.4 145.7 270.7

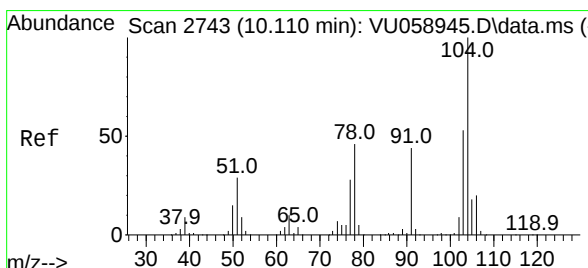
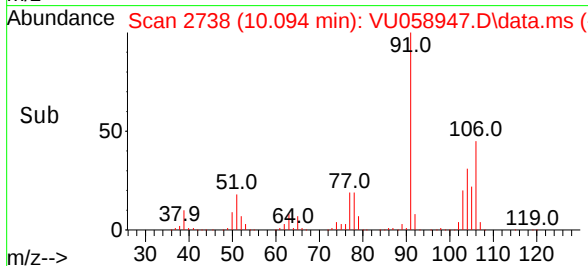
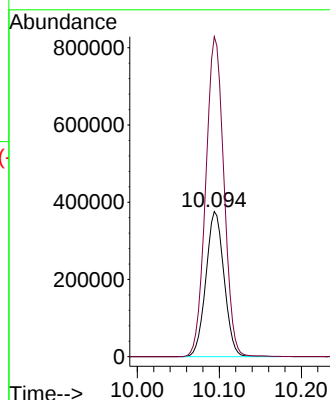
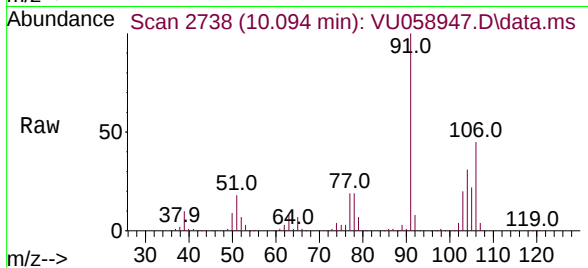




#54
o-Xylene
Concen: 216.948 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

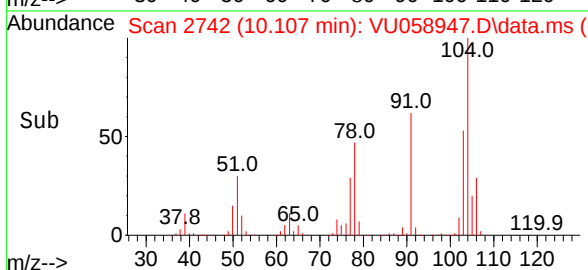
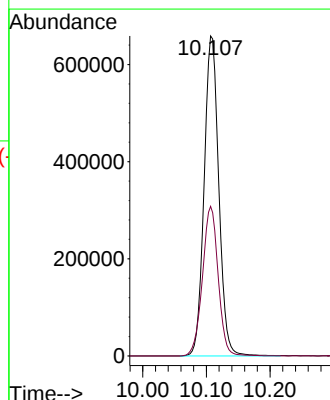
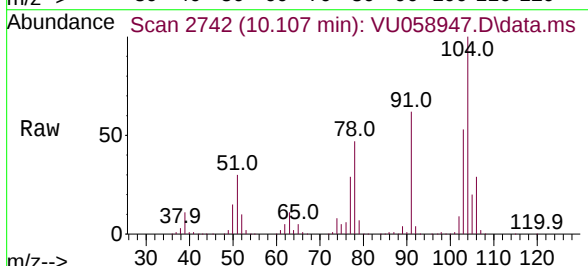
Instrument :
MSVOA_U
ClientSampleId :

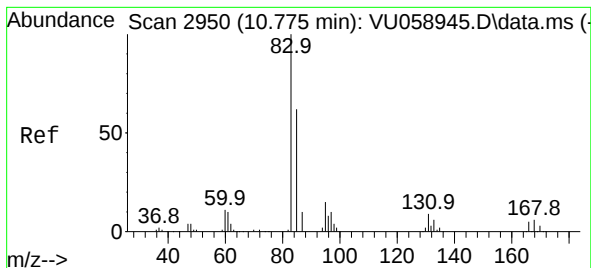
Tgt Ion:106 Resp: 578003
Ion Ratio Lower Upper
106 100
91 220.5 154.0 286.0



#55
Styrene
Concen: 232.876 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion:104 Resp: 1055417
Ion Ratio Lower Upper
104 100
78 46.7 32.3 59.9

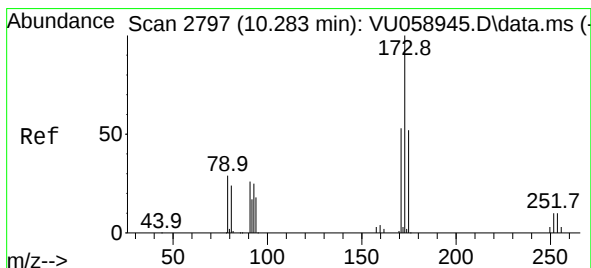
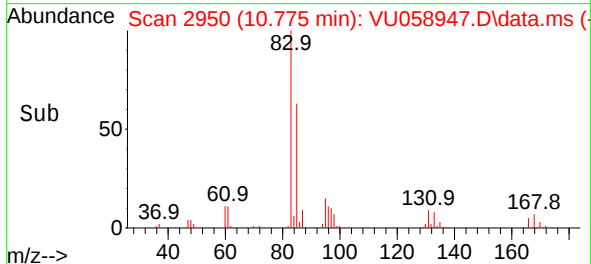
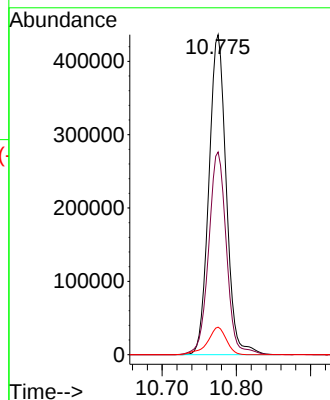
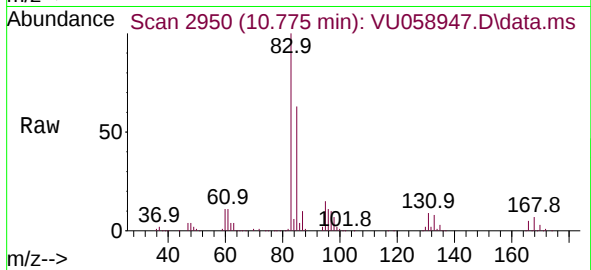




#57
1,1,2,2-Tetrachloroethane
Concen: 255.470 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

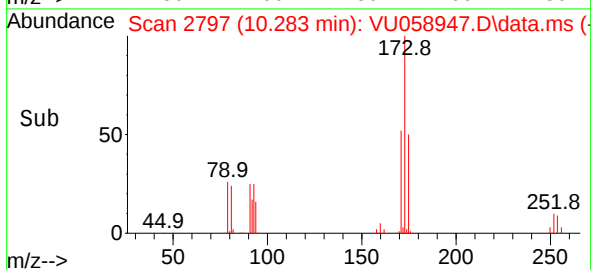
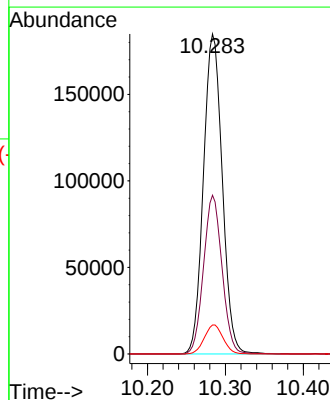
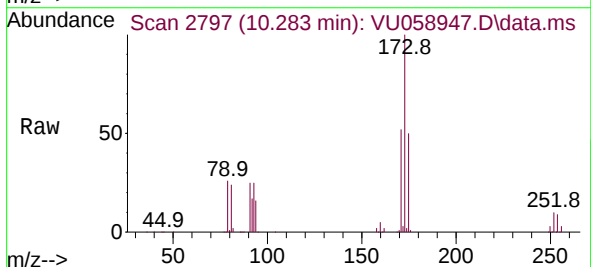
Instrument :
MSVOA_U
ClientSampleId :

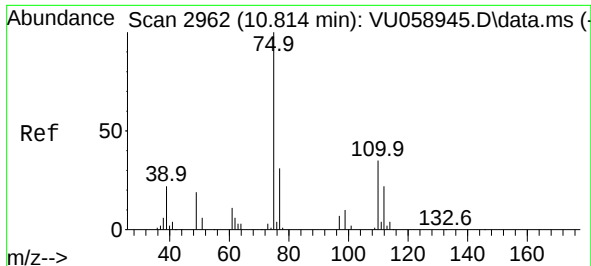
Tgt Ion: 83 Resp: 705989
Ion Ratio Lower Upper
83 100
85 63.3 43.5 80.9
131 8.6 7.1 10.7



#59
Bromoform
Concen: 229.385 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion:173 Resp: 309872
Ion Ratio Lower Upper
173 100
175 48.7 40.6 61.0
254 9.1 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 220.774 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

ClientSampleId :

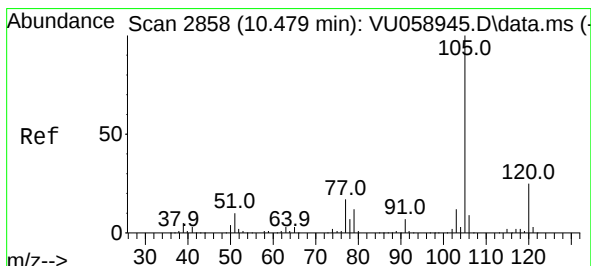
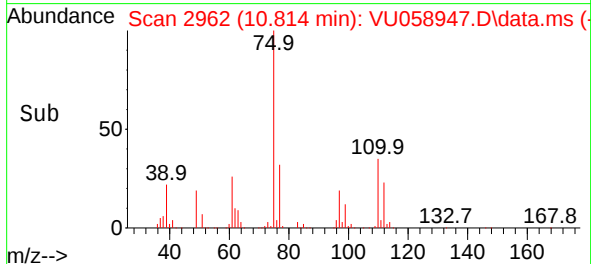
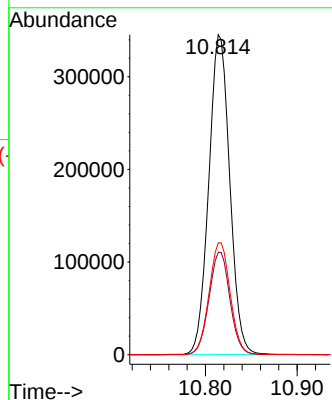
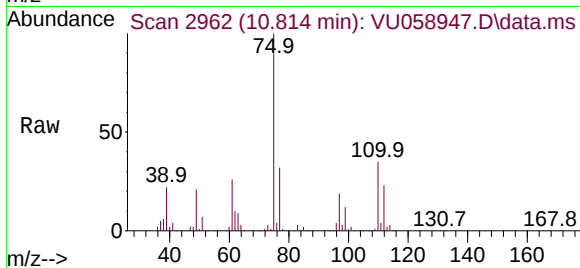
Tgt Ion: 75 Resp: 548429

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

110 35.3 28.3 42.5



#61

Isopropylbenzene

Concen: 197.182 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

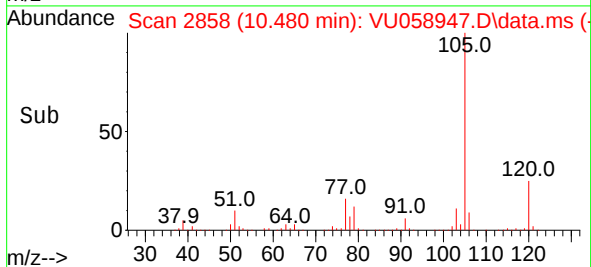
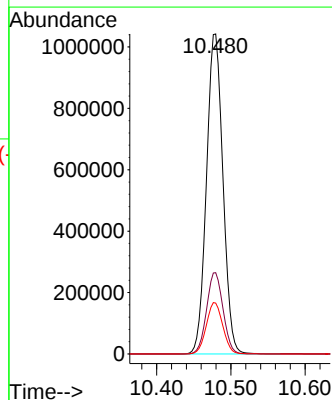
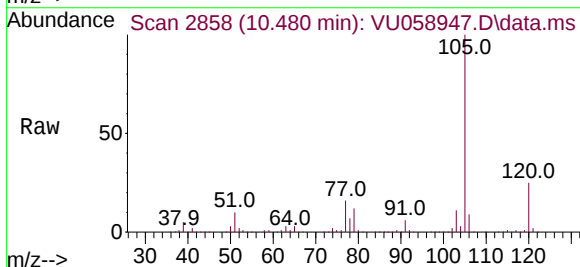
Tgt Ion:105 Resp: 1602221

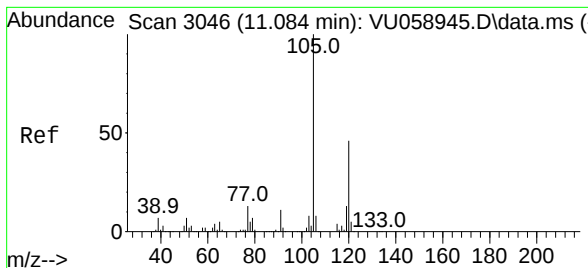
Ion Ratio Lower Upper

105 100

120 25.4 20.0 30.0

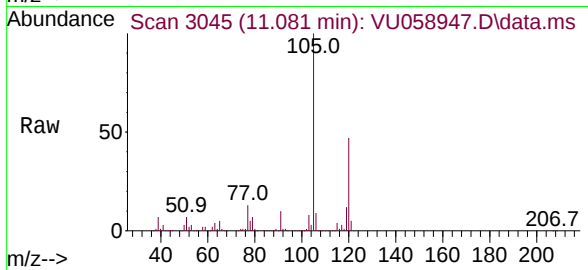
77 16.1 13.4 20.0



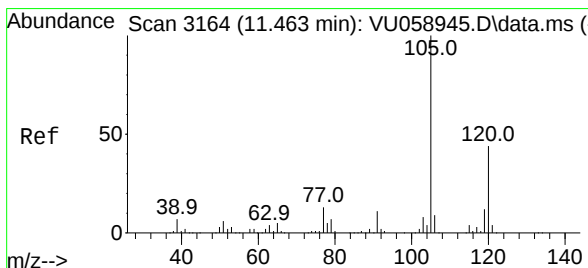
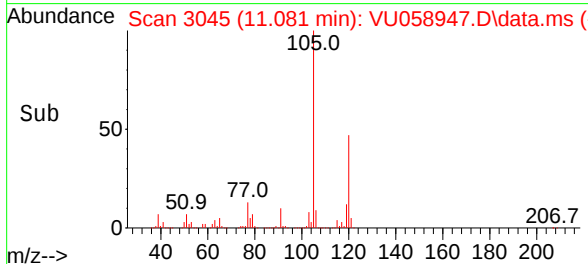
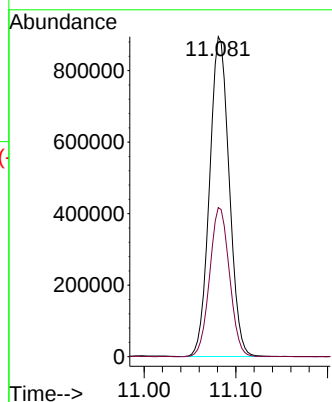


#62
1,3,5-Trimethylbenzene
Concen: 197.761 ug/L
RT: 11.081 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Instrument :
MSVOA_U
ClientSampleId :

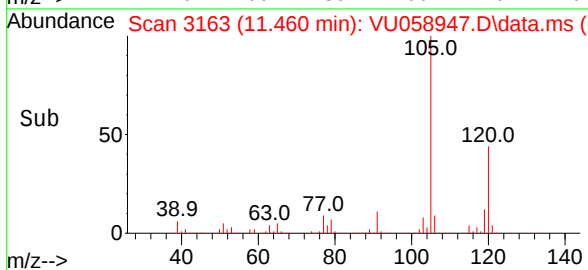
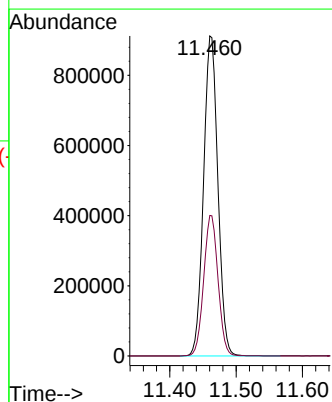
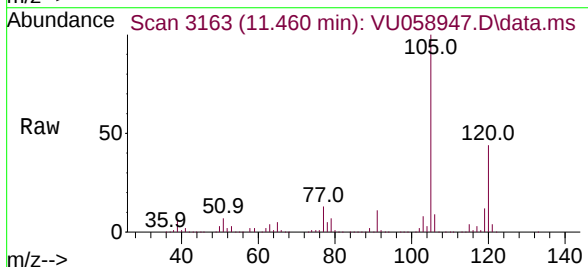


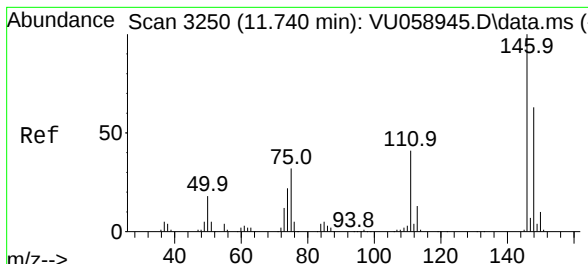
Tgt Ion:105 Resp: 1331956
Ion Ratio Lower Upper
105 100
120 47.0 36.9 55.3



#63
1,2,4-Trimethylbenzene
Concen: 201.584 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

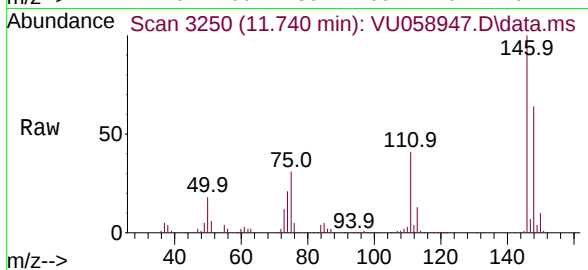
Tgt Ion:105 Resp: 1365460
Ion Ratio Lower Upper
105 100
120 44.0 35.3 52.9



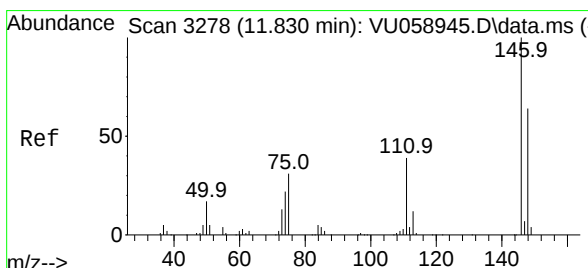
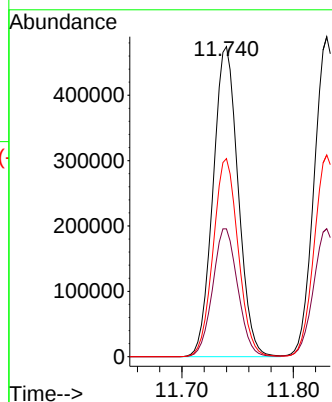
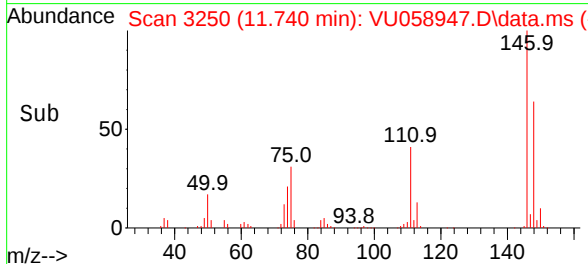


#64
1,3-Dichlorobenzene
Concen: 206.251 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

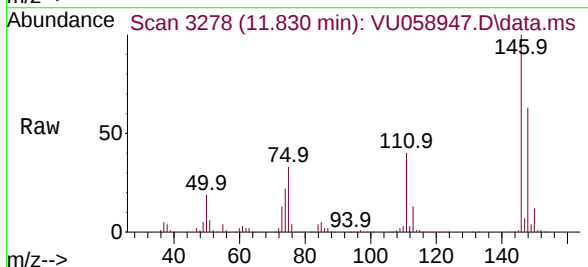
Instrument :
MSVOA_U
ClientSampleId :



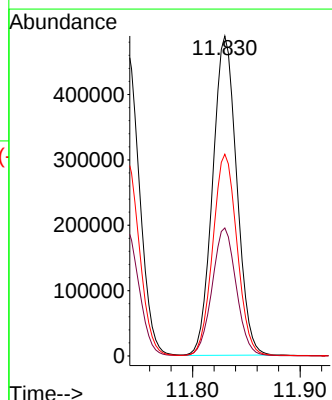
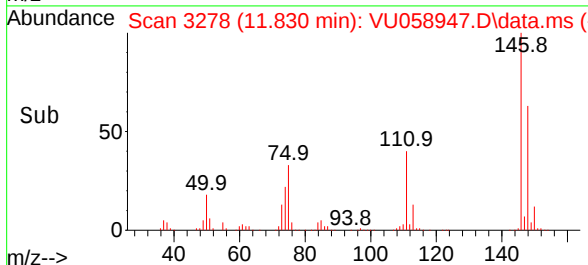
Tgt Ion:146 Resp: 744091
Ion Ratio Lower Upper
146 100
111 41.3 28.6 53.0
148 63.9 44.2 82.2

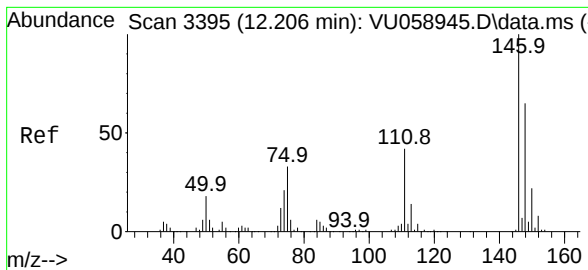


#65
1,4-Dichlorobenzene
Concen: 204.180 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39



Tgt Ion:146 Resp: 759217
Ion Ratio Lower Upper
146 100
111 40.0 27.3 50.7
148 63.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 210.838 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

ClientSampleId :

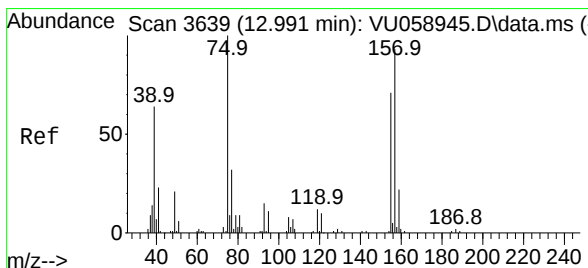
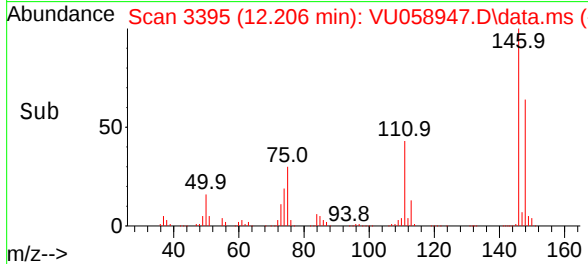
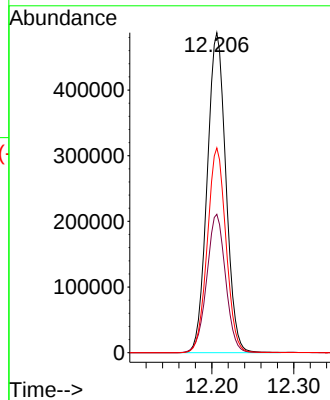
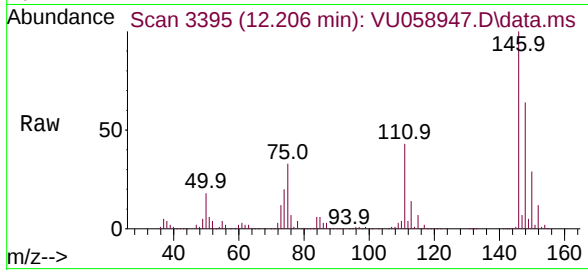
Tgt Ion:146 Resp: 770213

Ion Ratio Lower Upper

146 100

111 43.2 34.1 51.1

148 64.0 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 260.404 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

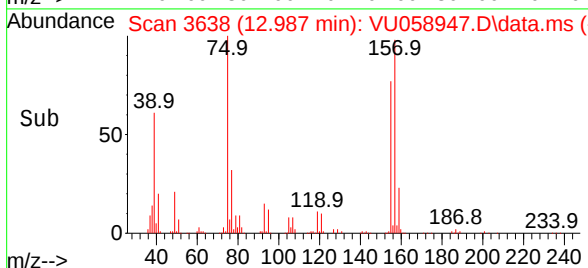
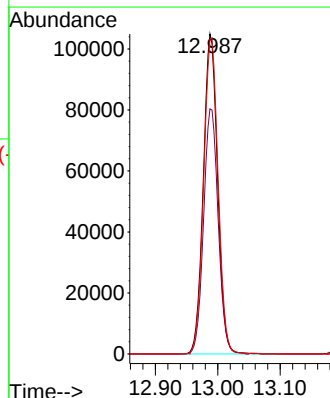
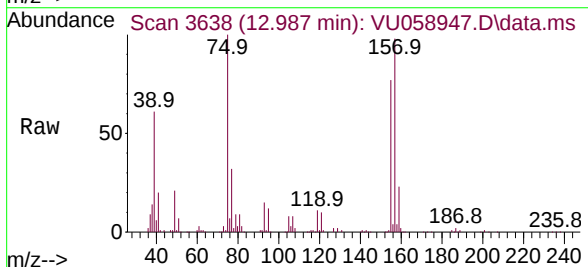
Tgt Ion: 75 Resp: 167424

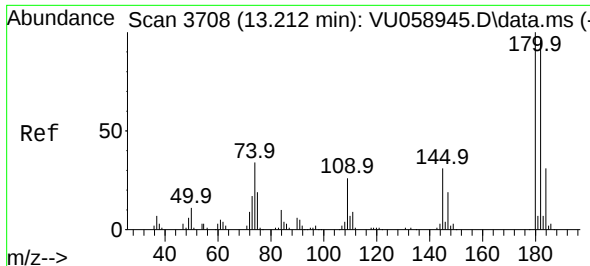
Ion Ratio Lower Upper

75 100

155 76.6 60.2 90.4

157 98.3 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 220.620 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

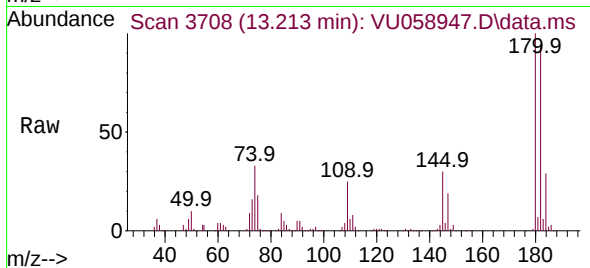
Lab File: VU058947.D

Acq: 23 May 2024 13:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 558226

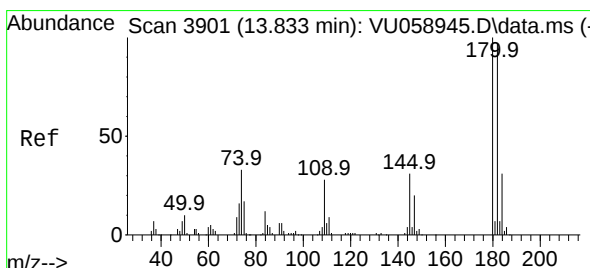
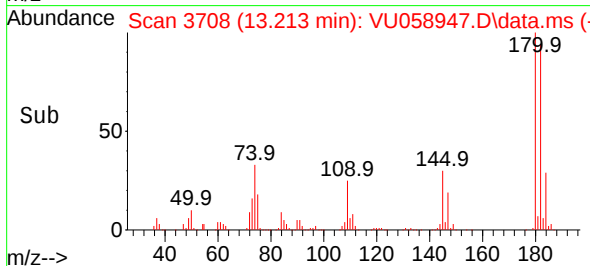
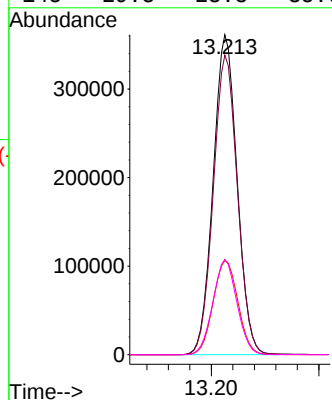
Ion Ratio Lower Upper

180 100

182 94.4 75.7 113.5

184 30.4 24.3 36.5

145 29.8 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 240.797 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058947.D

Acq: 23 May 2024 13:39

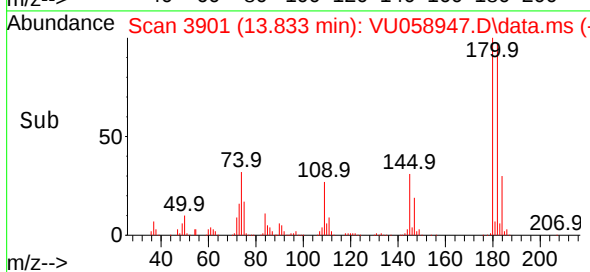
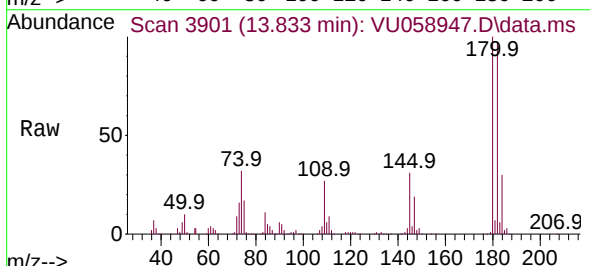
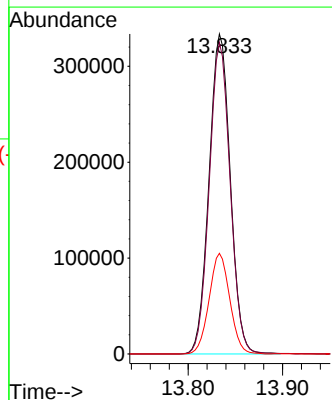
Tgt Ion:180 Resp: 521577

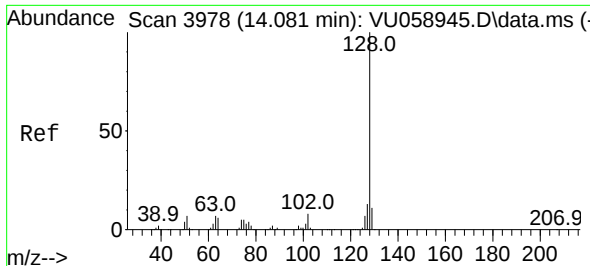
Ion Ratio Lower Upper

180 100

182 95.7 78.6 117.8

145 30.6 24.6 37.0

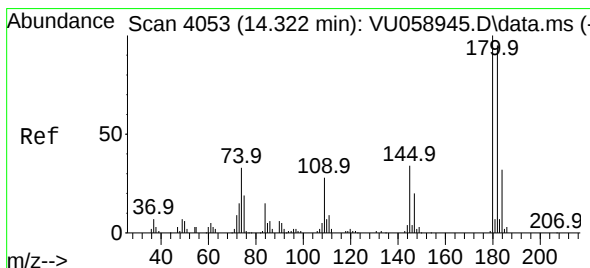
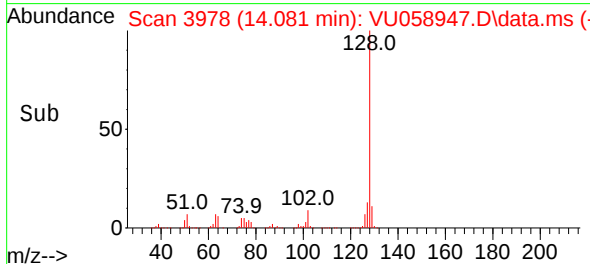
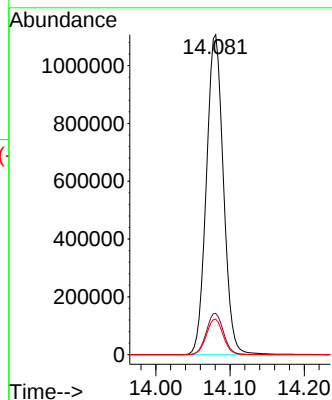
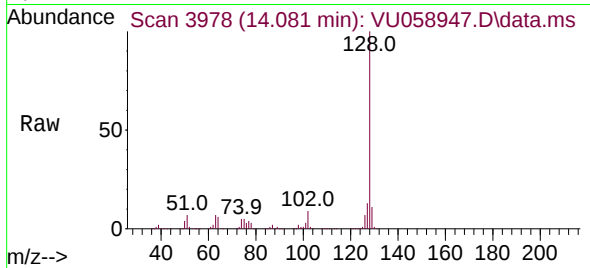




#71
Naphthalene
Concen: 295.667 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 1762437
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 250.234 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU058947.D
Acq: 23 May 2024 13:39

Tgt Ion:180 Resp: 523127
Ion Ratio Lower Upper
180 100
182 96.4 76.1 114.1
145 32.9 26.2 39.2

