

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059748.D
 Acq On : 02 Jul 2024 18:39
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:57:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:39:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	258517	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	260604	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	137003	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	82803	49.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.780%
7) Chloroethane-d5	1.907	69	69915	50.077	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.160%
11) 1,1-Dichloroethene-d2	2.560	63	137046	46.475	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.940%
21) 2-Butanone-d5	4.612	46	116466	100.965	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.960%
24) Chloroform-d	5.052	84	155907	48.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.695	65	93894	49.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.260%
32) Benzene-d6	5.718	84	315101	47.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.440%
36) 1,2-Dichloropropane-d6	6.682	67	98123	47.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.020%
41) Toluene-d8	7.891	98	297555	46.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
43) trans-1,3-Dichloroprop...	8.174	79	45227	46.796	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.600%
47) 2-Hexanone-d5	8.624	63	86493	99.368	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.370%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	155043	48.908	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.820%
66) 1,2-Dichlorobenzene-d4	12.187	152	114324	45.411	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	76854	47.868	ug/L	100
3) Chloromethane	1.518	50	82923	52.633	ug/L	99
5) Vinyl chloride	1.602	62	96509	52.181	ug/L	98
6) Bromomethane	1.850	94	54515	56.115	ug/L	98
8) Chloroethane	1.927	64	61878	51.390	ug/L	98
9) Trichlorofluoromethane	2.133	101	124074	48.186	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	79242	48.347	ug/L	97
12) 1,1-Dichloroethene	2.573	96	72885	47.549	ug/L	93
13) Acetone	2.615	43	97463	82.051	ug/L	97
14) Carbon disulfide	2.785	76	178584	46.160	ug/L	100
15) Methyl Acetate	2.940	43	91624	51.162	ug/L	98
16) Methylene chloride	3.036	84	93060	48.145	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	75415	47.790	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	243432	47.495	ug/L	99
19) 1,1-Dichloroethane	3.859	63	149861	50.071	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	91305	47.782	ug/L	98
22) 2-Butanone	4.692	43	131630	90.069	ug/L	97
23) Bromochloromethane	4.965	128	49425	49.037	ug/L	98
25) Chloroform	5.078	83	161350	50.098	ug/L	97

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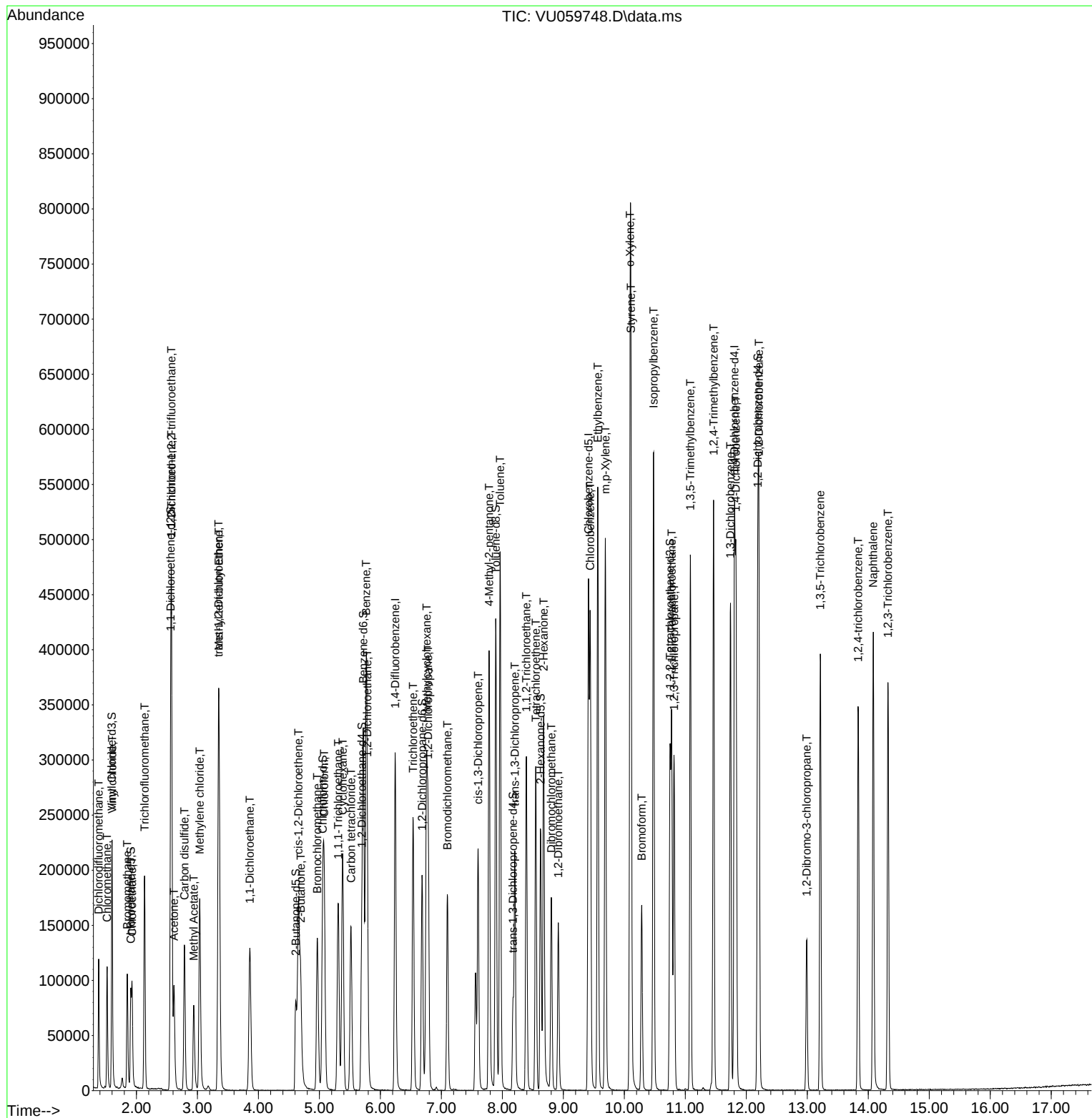
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	121272	49.600	ug/L	99
29) Cyclohexane	5.383	56	103383	44.304	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	126468	46.844	ug/L	99
31) Carbon tetrachloride	5.518	117	103293	46.318	ug/L	100
33) Benzene	5.766	78	348958	49.587	ug/L	100
34) Trichloroethene	6.534	95	87165	46.415	ug/L	97
35) Methylcyclohexane	6.756	83	114522	44.156	ug/L	98
37) 1,2-Dichloropropane	6.782	63	95846	49.481	ug/L	100
38) Bromodichloromethane	7.097	83	118524	48.292	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	134267	45.305	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	244436	99.843	ug/L	100
42) Toluene	7.962	91	374088	48.693	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	126864	46.602	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	97591	48.107	ug/L	98
46) Tetrachloroethene	8.547	164	67173	43.480	ug/L	98
48) 2-Hexanone	8.676	43	194985	95.163	ug/L	97
49) Dibromochloromethane	8.801	129	92472	46.264	ug/L	98
50) 1,2-Dibromoethane	8.917	107	101170	47.699	ug/L	97
51) Chlorobenzene	9.441	112	238041	46.672	ug/L	99
52) Ethylbenzene	9.563	91	383089	46.694	ug/L	100
53) m,p-Xylene	9.689	106	149677	46.856	ug/L	98
54) o-Xylene	10.094	106	147017	47.860	ug/L	99
55) Styrene	10.110	104	257444	49.677	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	172956	50.557	ug/L	98
59) Bromoform	10.283	173	77898	47.024	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	132200	50.844	ug/L	98
61) Isopropylbenzene	10.480	105	377710	47.296	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	266261	45.543	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	296292	47.314	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	192601	46.502	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	196272	45.841	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	193783	46.315	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	34823	48.972	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	131492	44.034	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	113909	42.323	ug/L	99
71) Naphthalene	14.081	128	341436	43.898	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	119933	44.414	ug/L	98

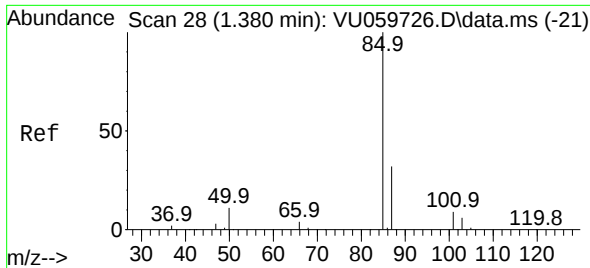
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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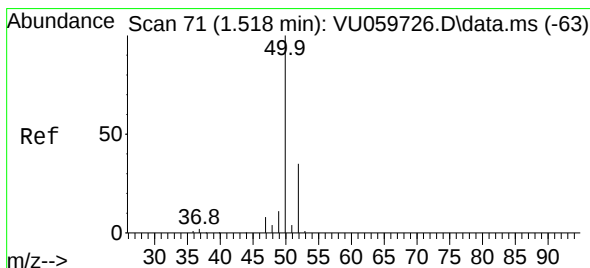
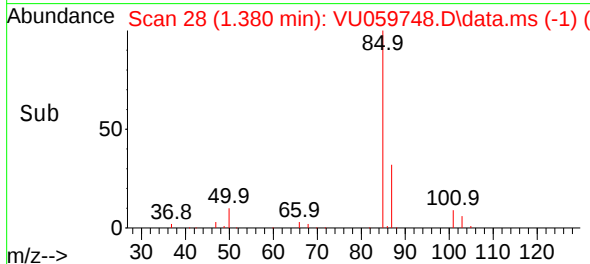
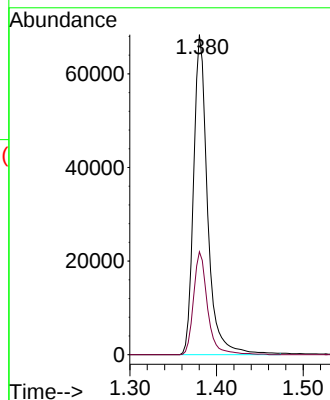
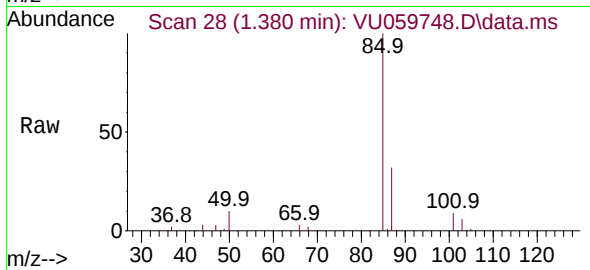




#2
 Dichlorodifluoromethane
 Concen: 47.868 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU059748.D
 Acq: 02 Jul 2024 18:39

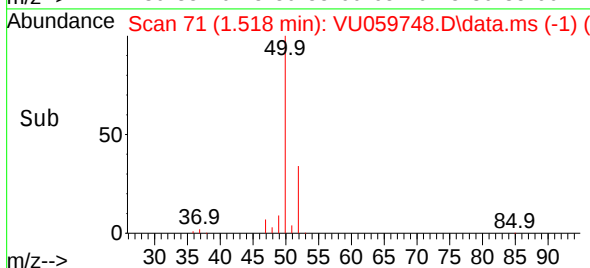
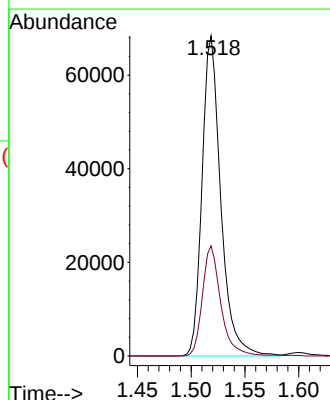
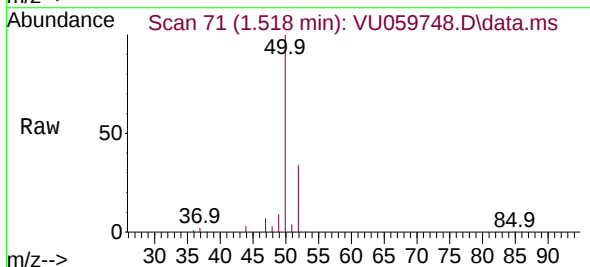
Instrument :
 MSVOA_U
 ClientSampleId :

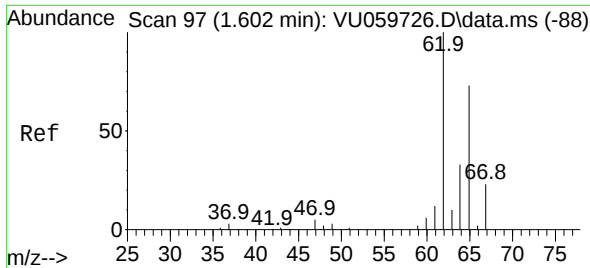
Tgt Ion: 85 Resp: 76854
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.4 38.2



#3
 Chloromethane
 Concen: 52.633 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU059748.D
 Acq: 02 Jul 2024 18:39

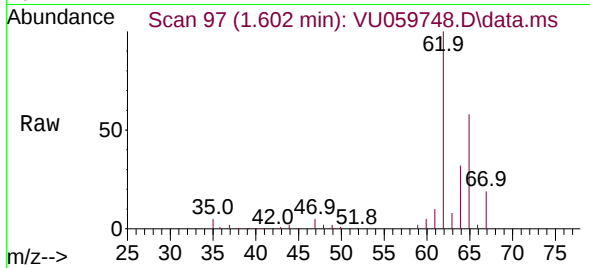
Tgt Ion: 50 Resp: 82923
 Ion Ratio Lower Upper
 50 100
 52 34.4 24.5 45.5



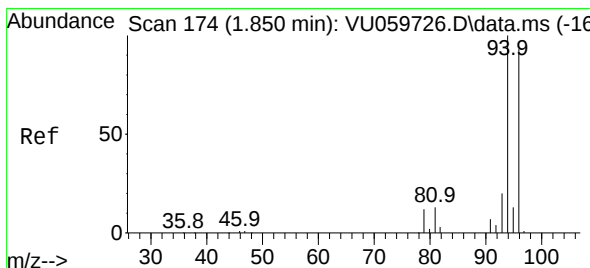
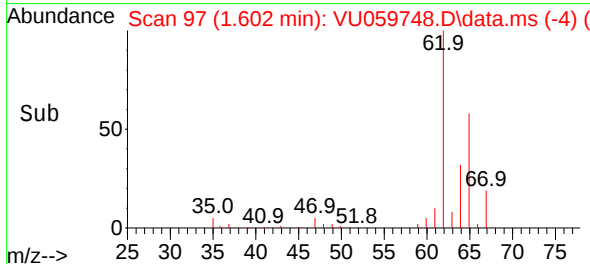
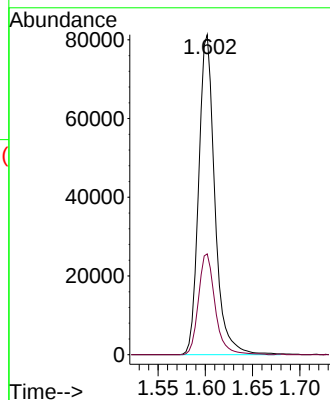


#5
 Vinyl chloride
 Concen: 52.181 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU059748.D
 Acq: 02 Jul 2024 18:39

Instrument :
 MSVOA_U
 ClientSampleId :

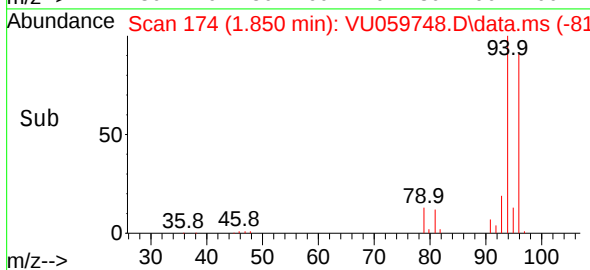
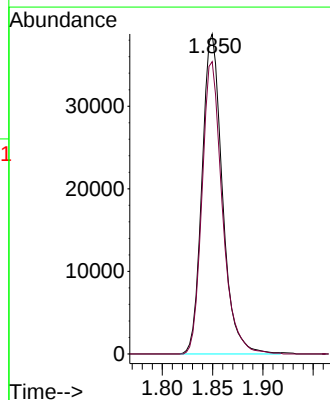
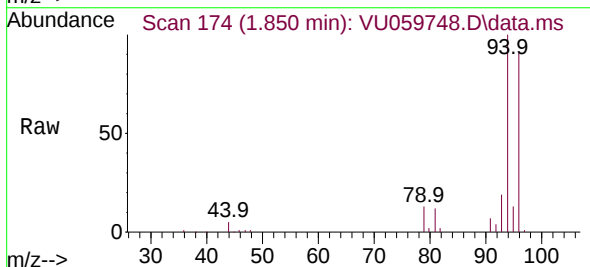


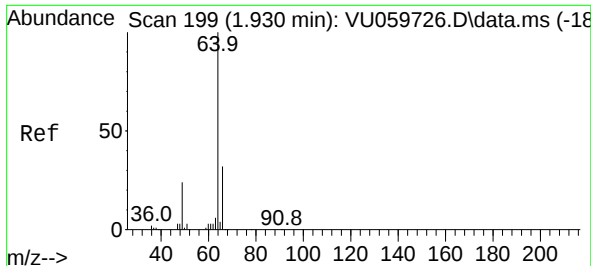
Tgt Ion: 62 Resp: 96509
 Ion Ratio Lower Upper
 62 100
 64 31.5 22.9 42.5



#6
 Bromomethane
 Concen: 56.115 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU059748.D
 Acq: 02 Jul 2024 18:39

Tgt Ion: 94 Resp: 54515
 Ion Ratio Lower Upper
 94 100
 96 91.4 65.2 121.2

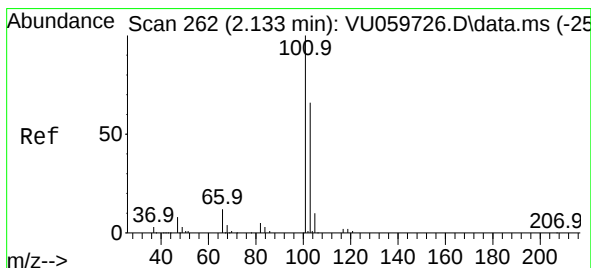
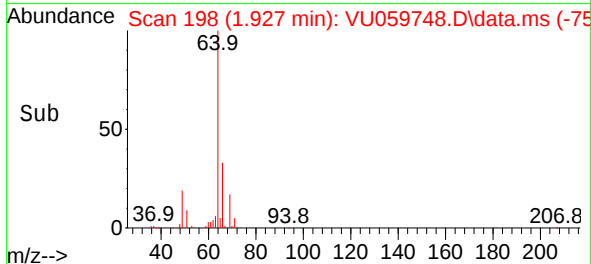
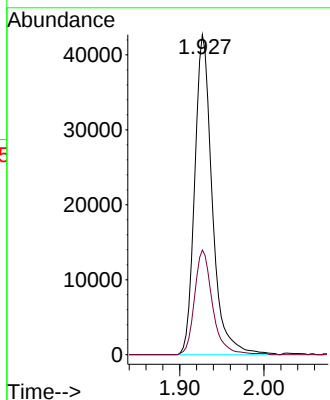
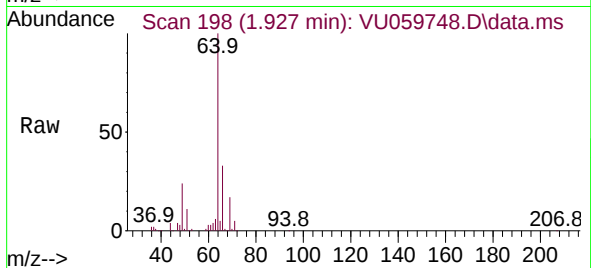




#8
Chloroethane
Concen: 51.390 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

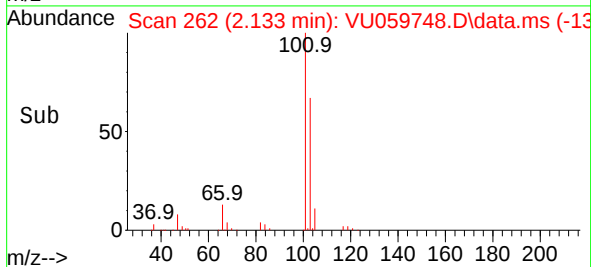
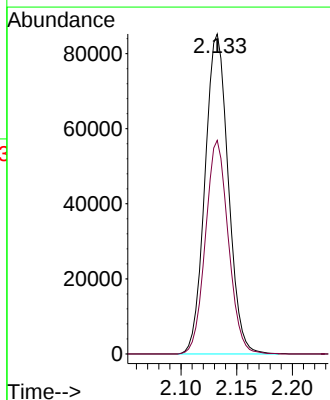
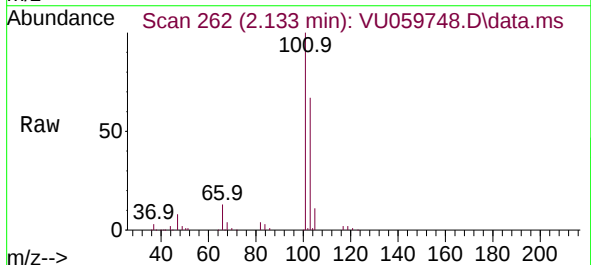
Instrument :
MSVOA_U
ClientSampleId :

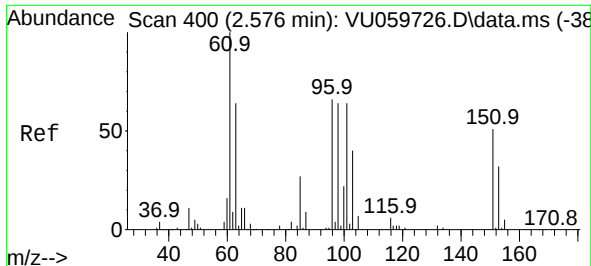
Tgt Ion: 64 Resp: 61878
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 48.186 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion:101 Resp: 124074
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5

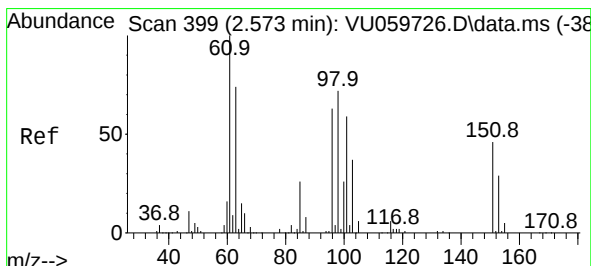
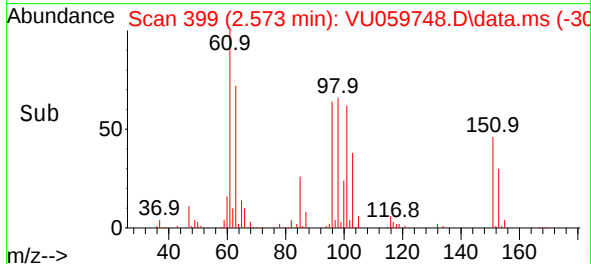
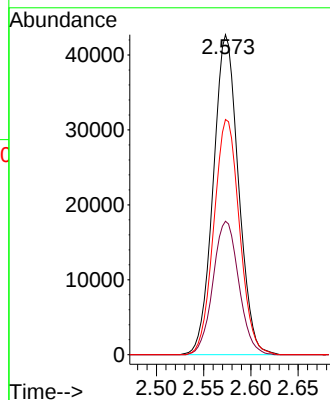
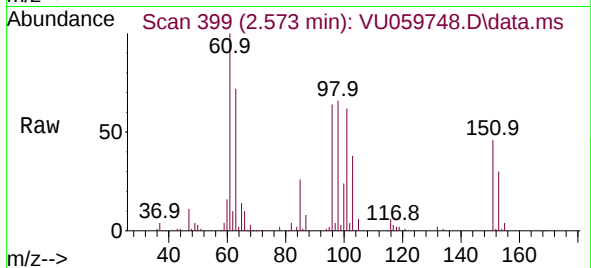




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.347 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

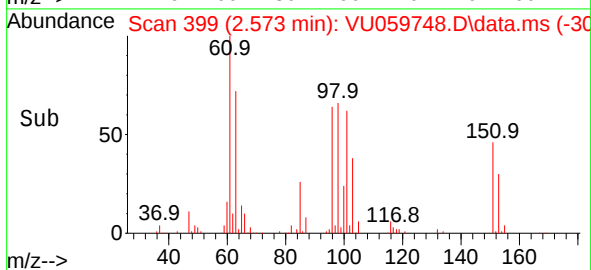
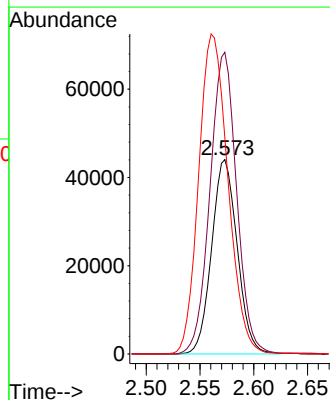
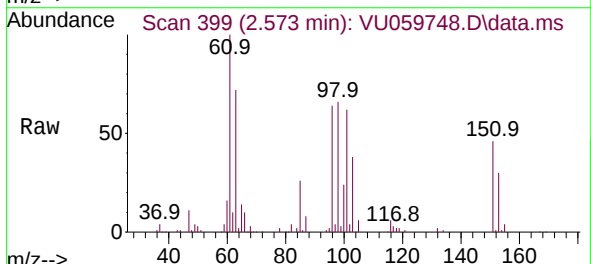
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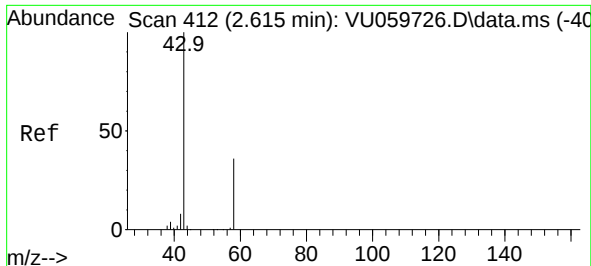
Tgt Ion:101 Resp: 79242
Ion Ratio Lower Upper
101 100
85 42.6 34.8 52.2
151 74.9 62.3 93.5



#12
1,1-Dichloroethene
Concen: 47.549 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion: 96 Resp: 72885
Ion Ratio Lower Upper
96 100
61 155.3 112.2 208.4
63 111.3 87.4 162.2





#13

Acetone

Concen: 82.051 ug/L

RT: 2.615 min Scan# 412

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

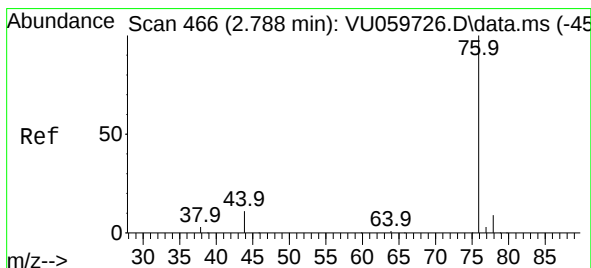
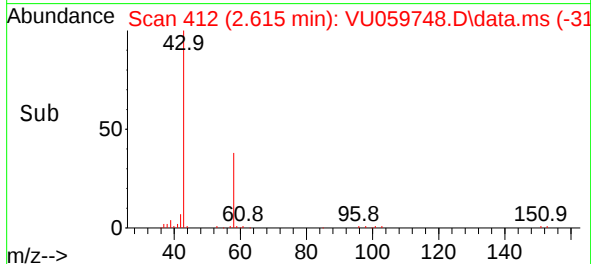
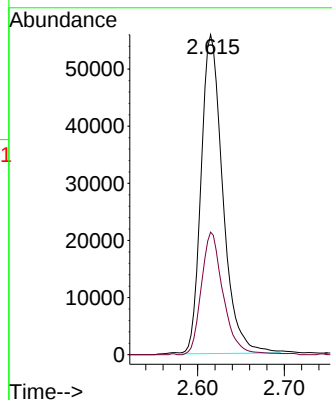
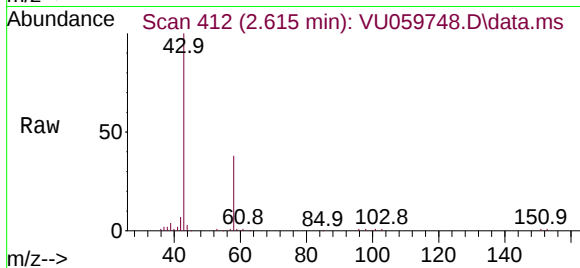
ClientSampleId :

Tgt Ion: 43 Resp: 97463

Ion Ratio Lower Upper

43 100

58 38.4 0.0 73.8



#14

Carbon disulfide

Concen: 46.160 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

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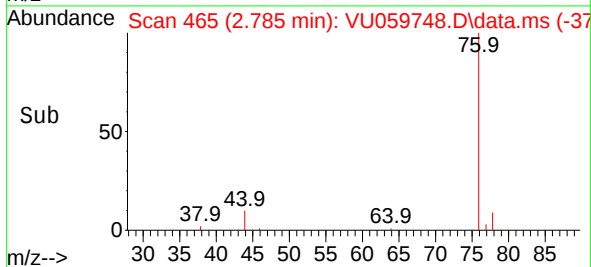
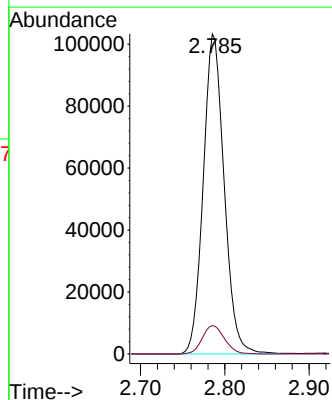
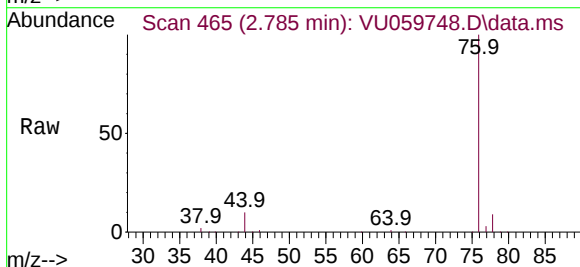
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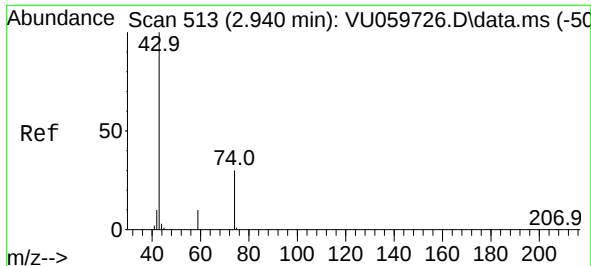
Tgt Ion: 76 Resp: 178584

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4





#15

Methyl Acetate

Concen: 51.162 ug/L

RT: 2.940 min Scan# 513

Delta R.T. -0.000 min

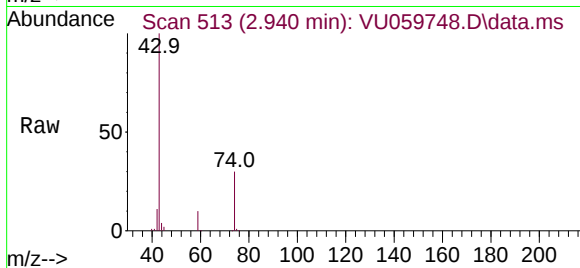
Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

ClientSampleId :

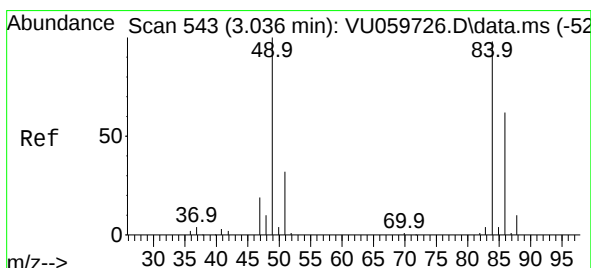
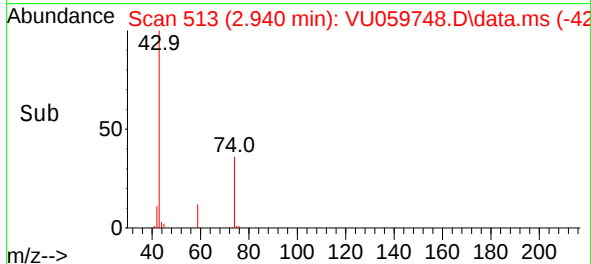
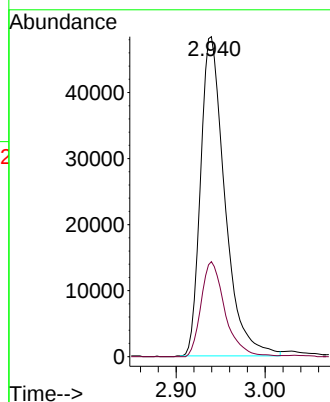


Tgt Ion: 43 Resp: 91624

Ion Ratio Lower Upper

43 100

74 29.3 24.1 36.1



#16

Methylene chloride

Concen: 48.145 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

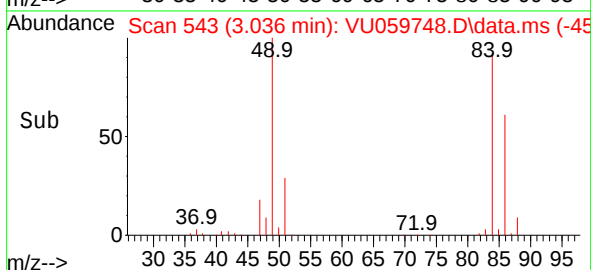
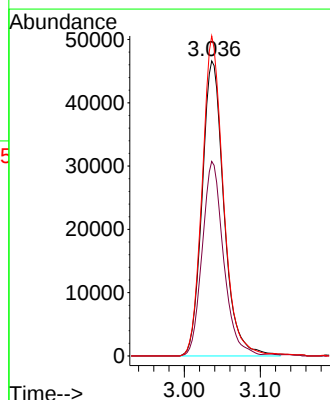
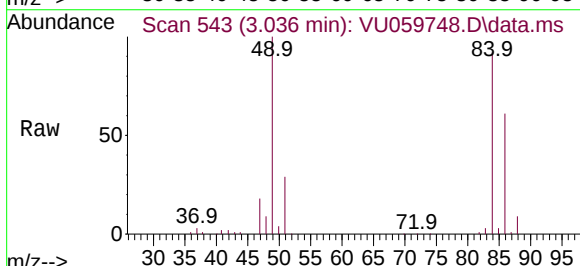
Tgt Ion: 84 Resp: 93060

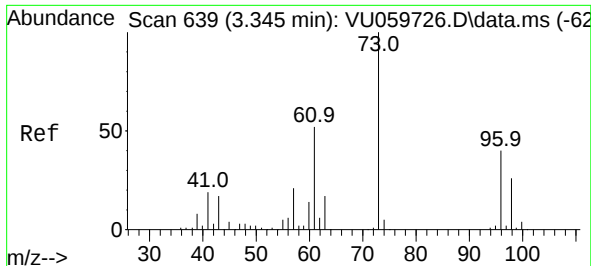
Ion Ratio Lower Upper

84 100

86 65.9 44.7 83.1

49 108.4 71.6 133.0

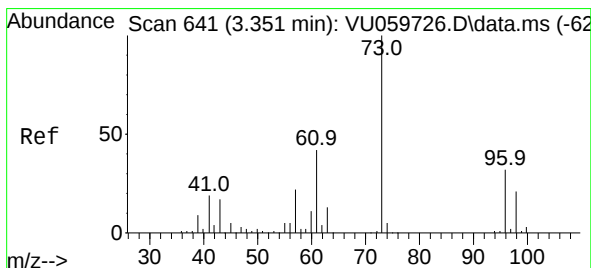
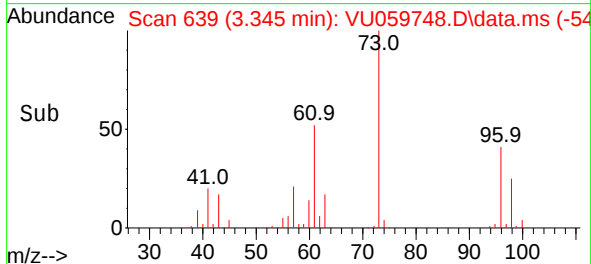
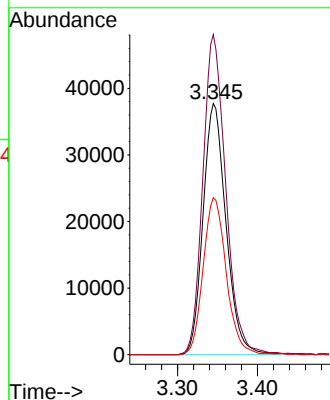
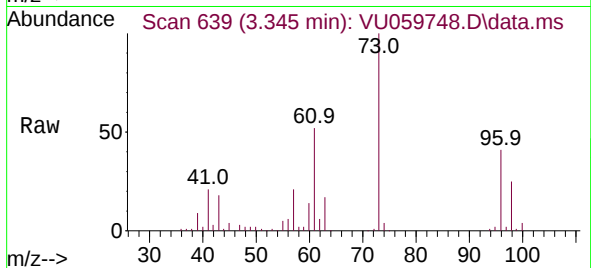




#17
trans-1,2-Dichloroethene
Concen: 47.790 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

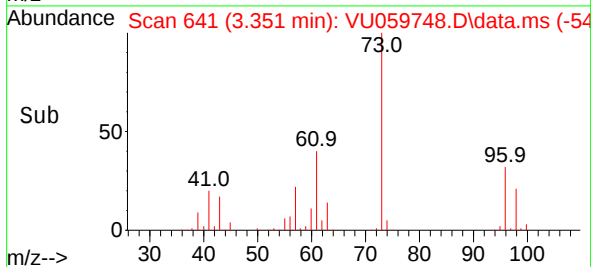
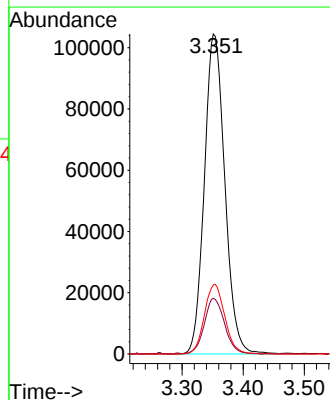
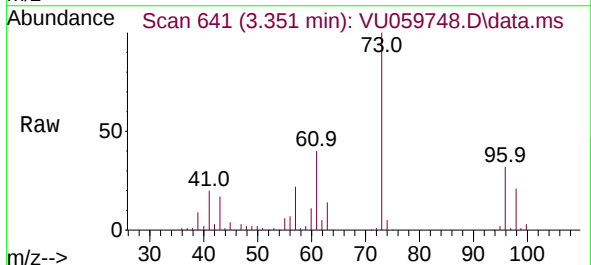
Instrument :
MSVOA_U
ClientSampleId :

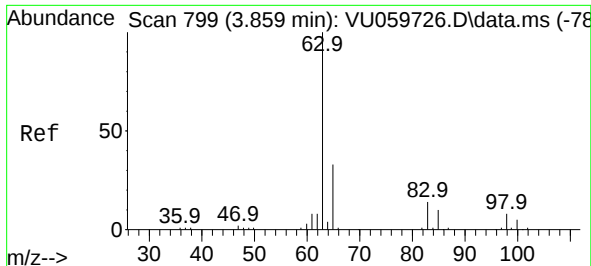
Tgt Ion: 96 Resp: 75415
Ion Ratio Lower Upper
96 100
61 127.4 90.6 168.3
98 62.5 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 47.495 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion: 73 Resp: 243432
Ion Ratio Lower Upper
73 100
43 16.9 14.1 21.1
57 21.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 50.071 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

ClientSampleId :

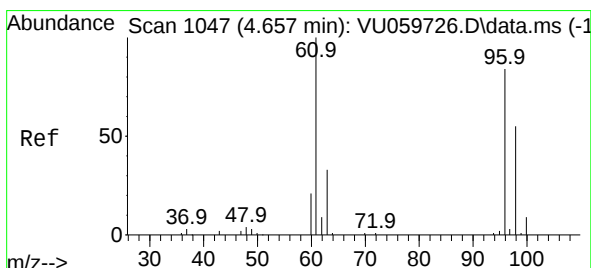
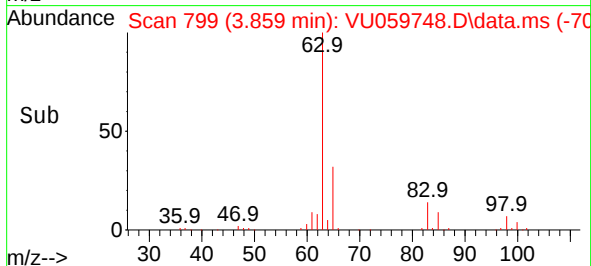
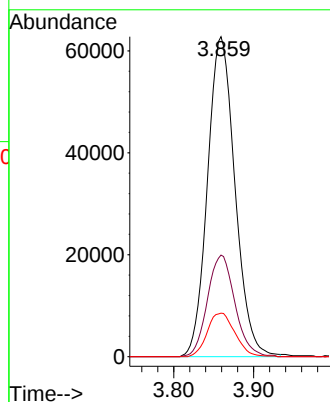
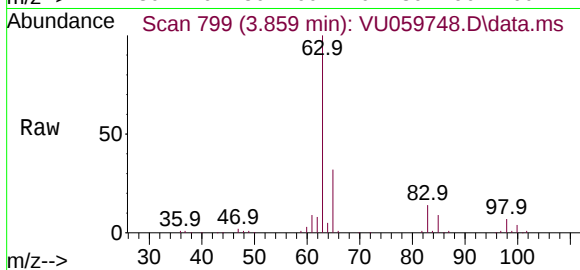
Tgt Ion: 63 Resp: 149861

Ion Ratio Lower Upper

63 100

65 31.7 23.3 43.3

83 13.6 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 47.782 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

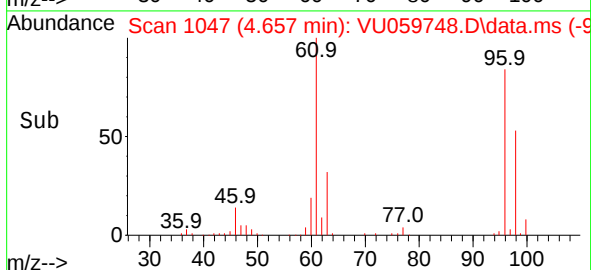
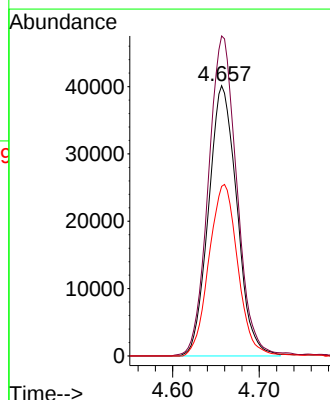
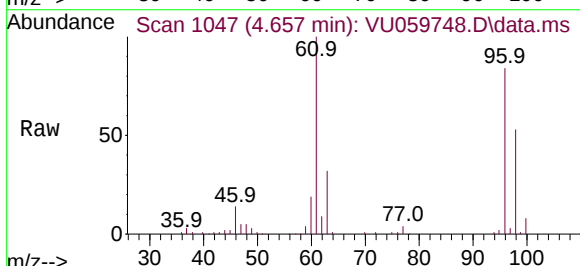
Tgt Ion: 96 Resp: 91305

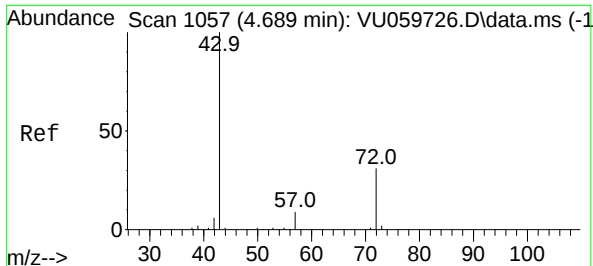
Ion Ratio Lower Upper

96 100

61 118.4 83.2 154.4

98 62.7 45.9 85.3

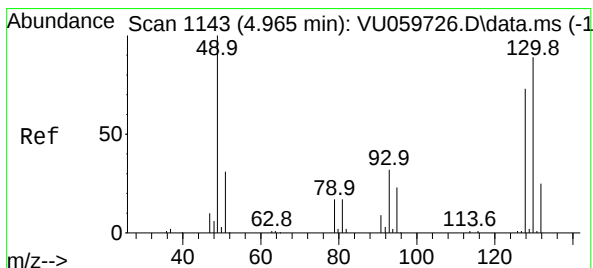
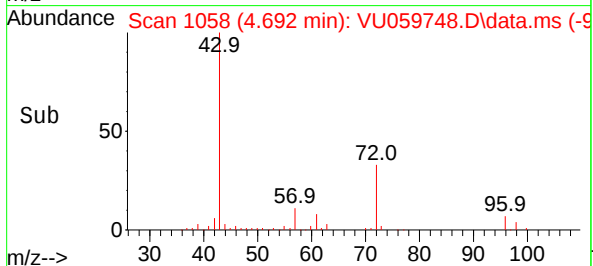
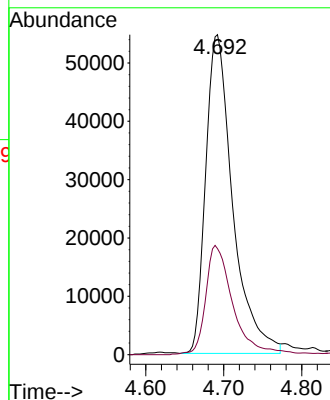
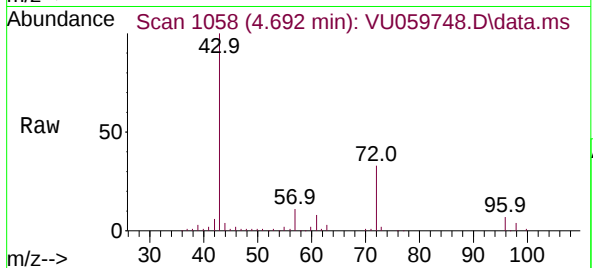




#22
2-Butanone
Concen: 90.069 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

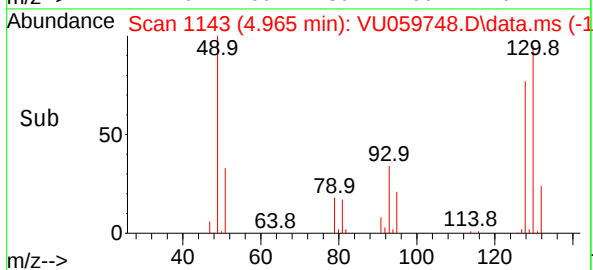
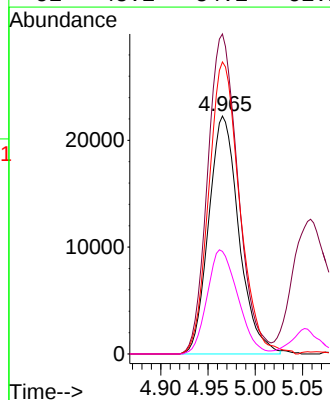
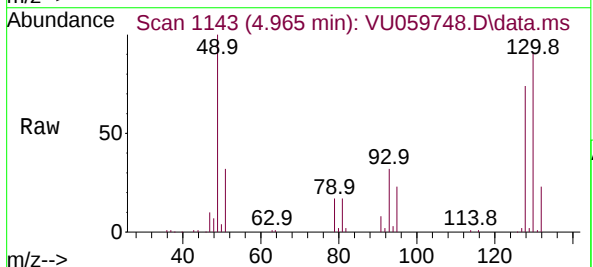
Instrument :
MSVOA_U
ClientSampleId :

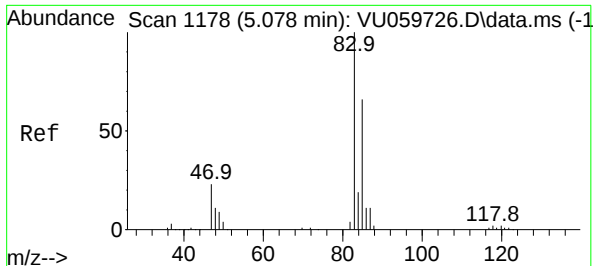
Tgt Ion: 43 Resp: 131630
Ion Ratio Lower Upper
43 100
72 34.5 16.4 49.2



#23
Bromochloromethane
Concen: 49.037 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion:128 Resp: 49425
Ion Ratio Lower Upper
128 100
49 134.5 96.7 179.7
130 122.7 86.3 160.3
51 43.1 34.1 51.1





#25

Chloroform

Concen: 50.098 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

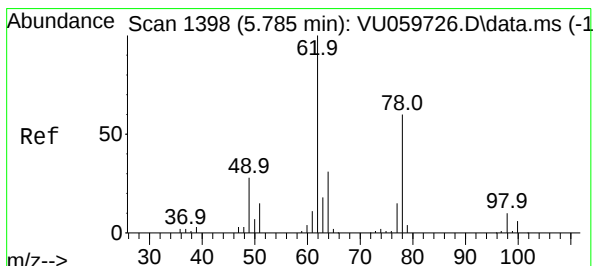
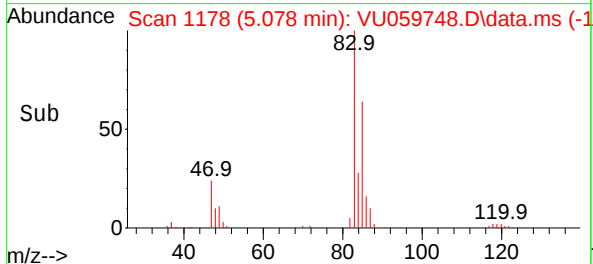
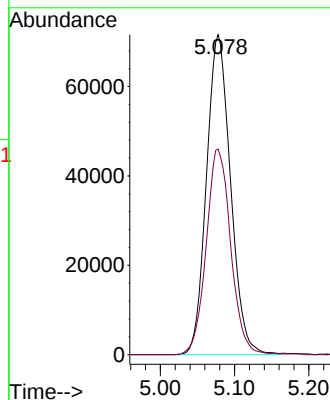
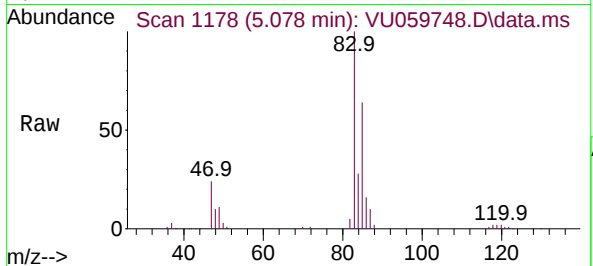
ClientSampleId :

Tgt Ion: 83 Resp: 161350

Ion Ratio Lower Upper

83 100

85 64.2 46.7 86.7



#27

1,2-Dichloroethane

Concen: 49.600 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU059748.D

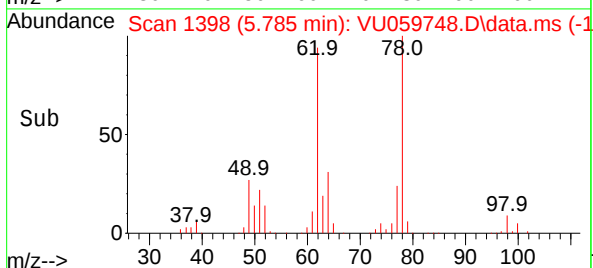
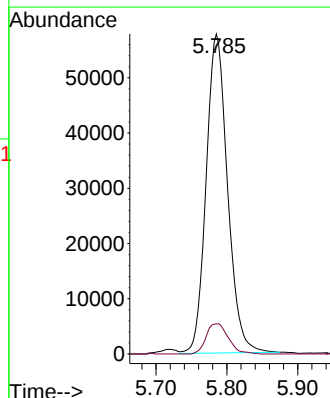
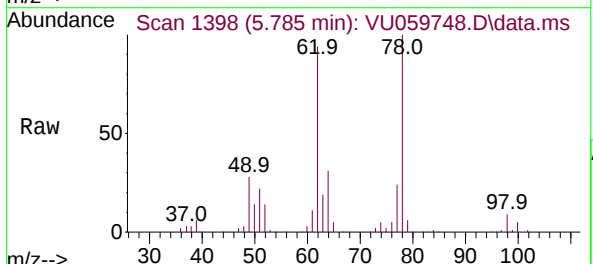
Acq: 02 Jul 2024 18:39

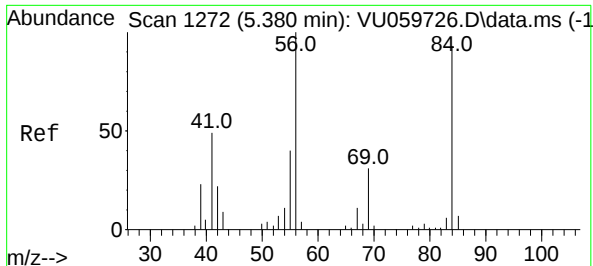
Tgt Ion: 62 Resp: 121272

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.8

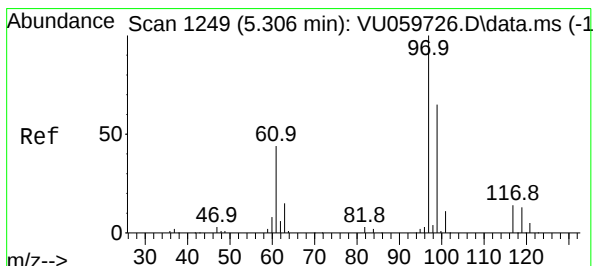
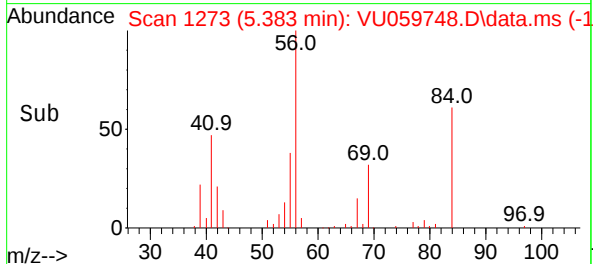
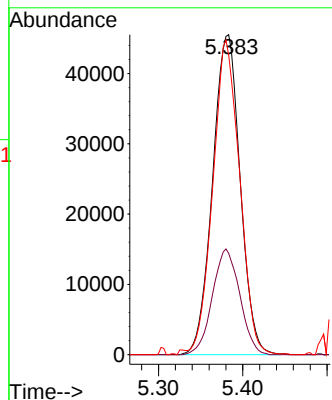
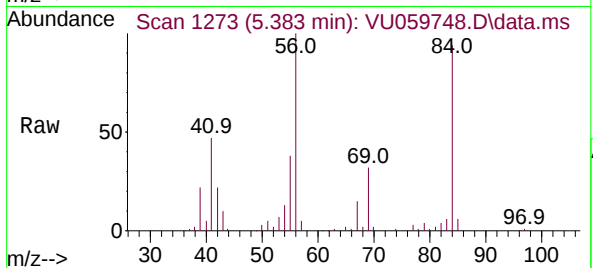




#29
Cyclohexane
Concen: 44.304 ug/L
RT: 5.383 min Scan# 1272
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

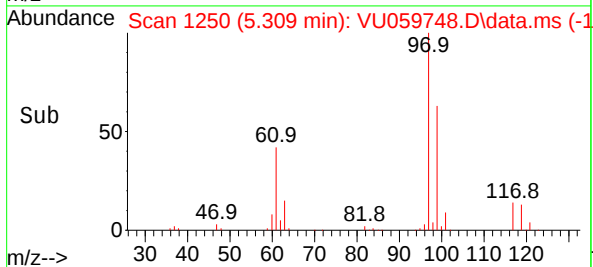
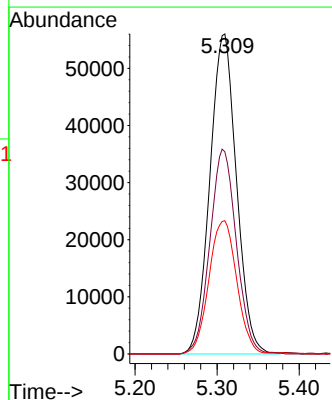
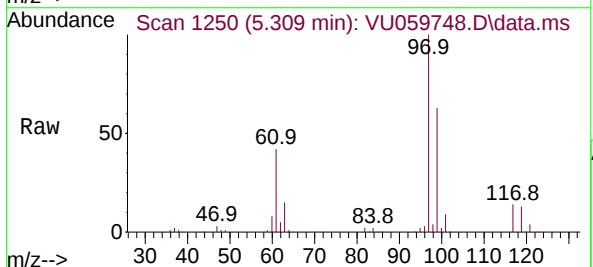
Instrument :
MSVOA_U
ClientSampleId :

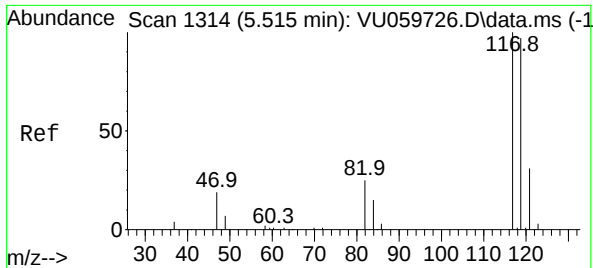
Tgt Ion: 56 Resp: 103383
Ion Ratio Lower Upper
56 100
69 32.9 26.0 39.0
84 95.7 75.5 113.3



#30
1,1,1-Trichloroethane
Concen: 46.844 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion: 97 Resp: 126468
Ion Ratio Lower Upper
97 100
99 63.6 52.2 78.2
61 43.6 35.2 52.8

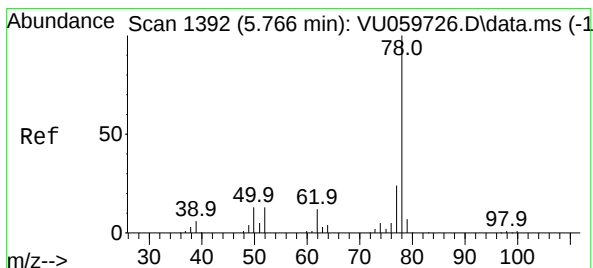
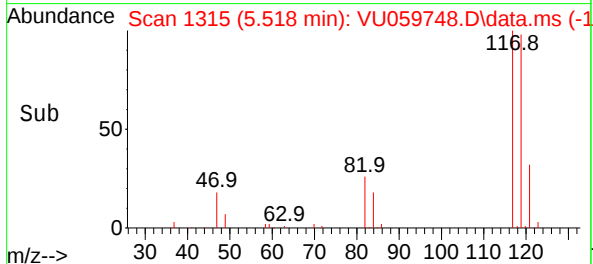
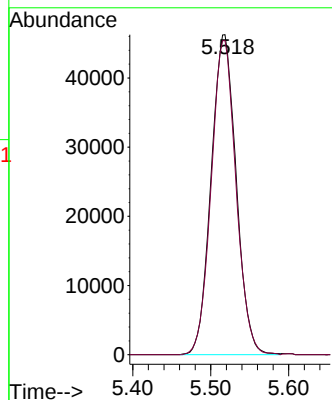
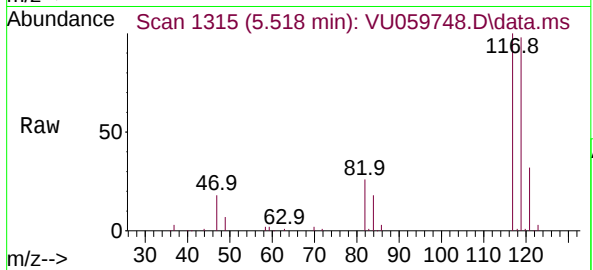




#31
Carbon tetrachloride
Concen: 46.318 ug/L
RT: 5.518 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

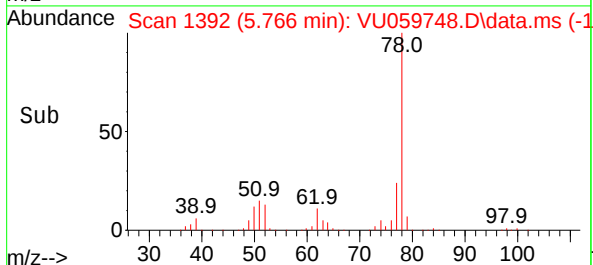
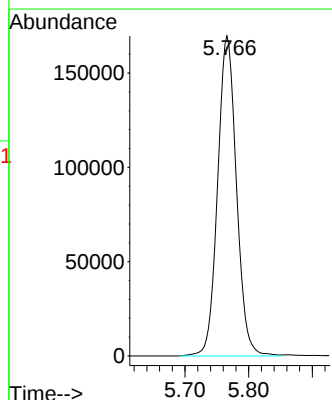
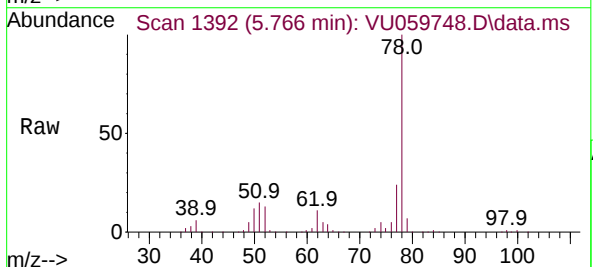
Instrument :
MSVOA_U
ClientSampleId :

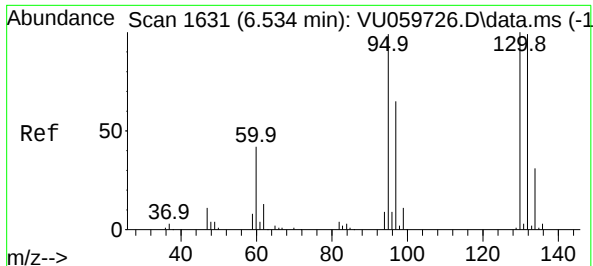
Tgt Ion:117 Resp: 103293
Ion Ratio Lower Upper
117 100
119 97.3 77.6 116.4



#33
Benzene
Concen: 49.587 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion: 78 Resp: 348958





#34

Trichloroethene

Concen: 46.415 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 87165

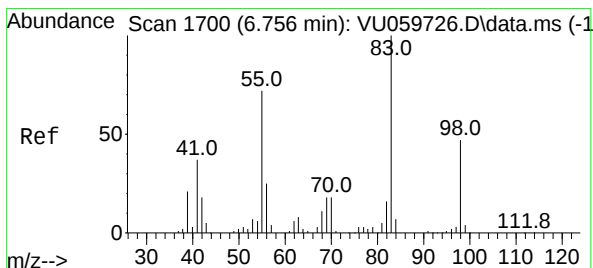
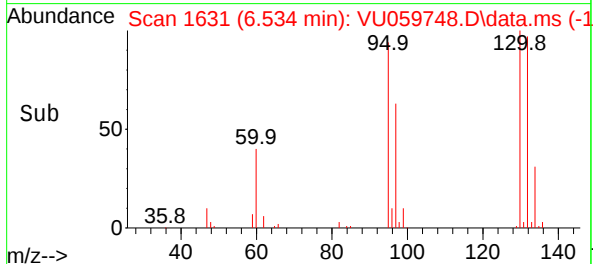
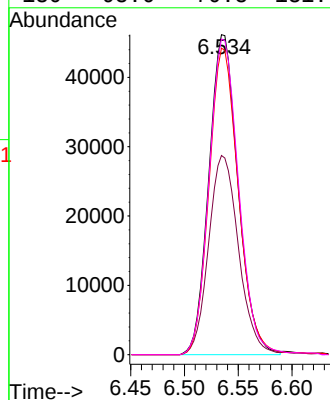
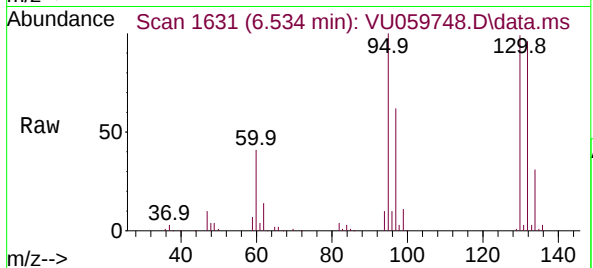
Ion Ratio Lower Upper

95 100

97 62.3 45.8 85.2

132 95.8 69.8 129.6

130 98.6 70.8 131.6



#35

Methylcyclohexane

Concen: 44.156 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

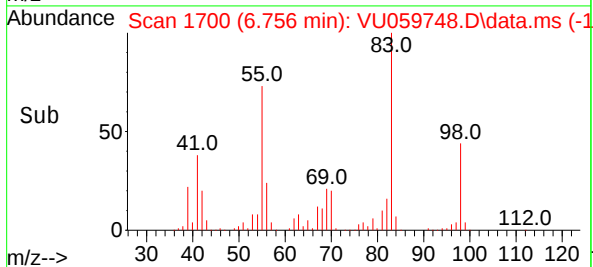
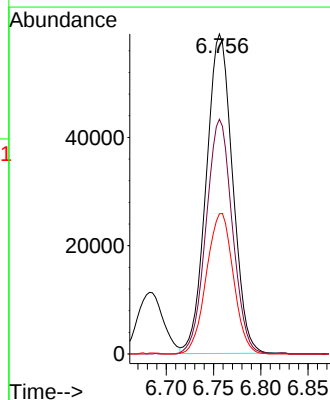
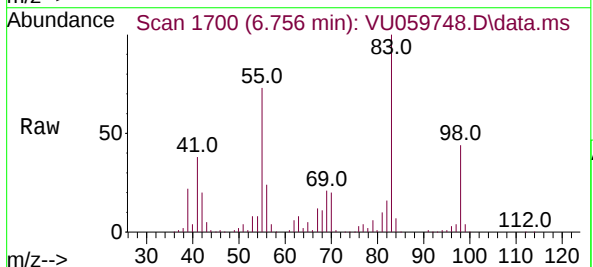
Tgt Ion: 83 Resp: 114522

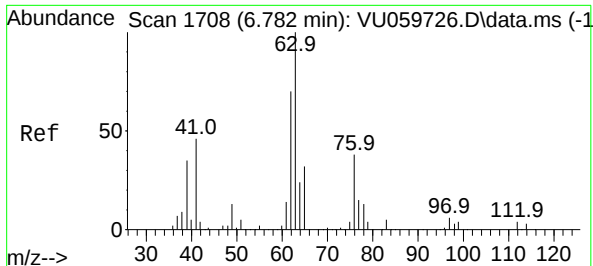
Ion Ratio Lower Upper

83 100

55 73.3 56.8 85.2

98 45.0 36.5 54.7

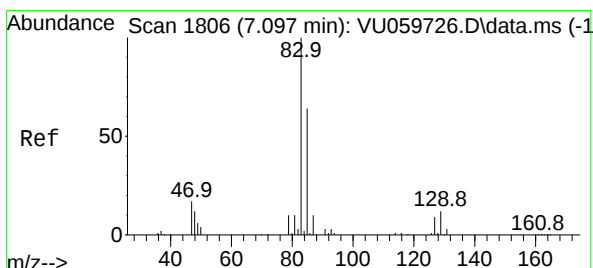
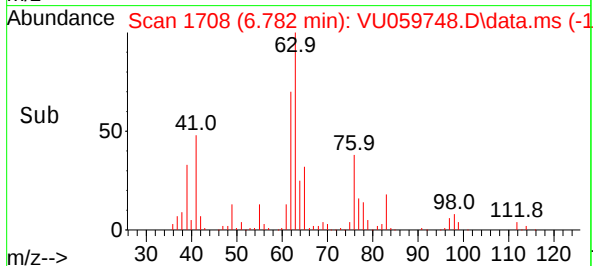
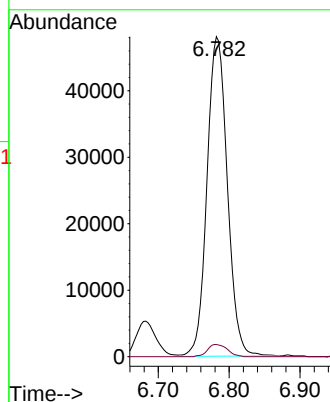
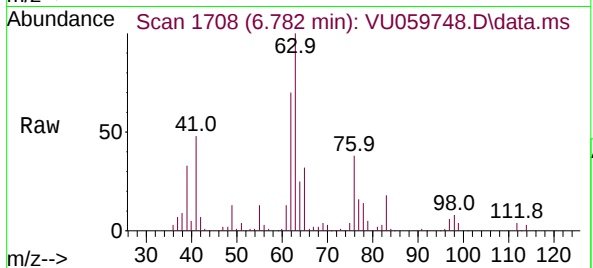




#37
1,2-Dichloropropane
Concen: 49.481 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

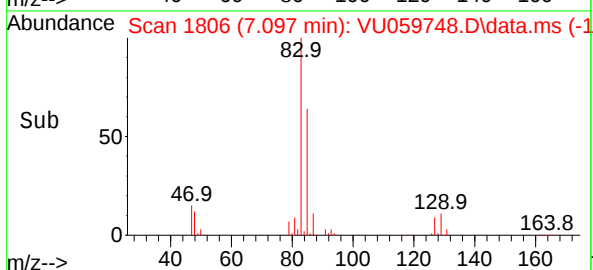
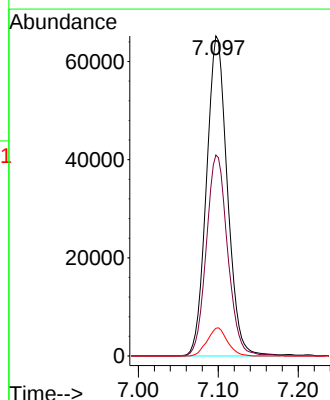
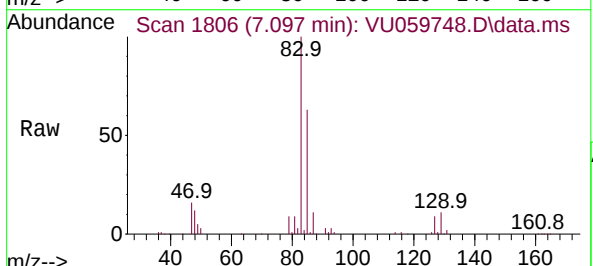
Instrument :
MSVOA_U
ClientSampleId :

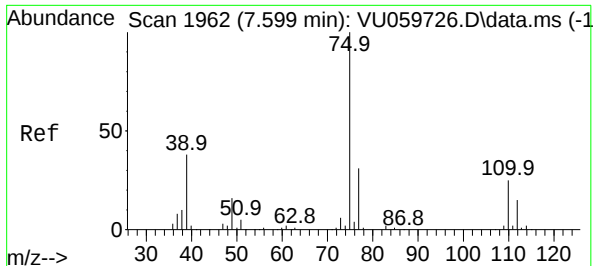
Tgt Ion: 63 Resp: 95846
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.6



#38
Bromodichloromethane
Concen: 48.292 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion: 83 Resp: 118524
Ion Ratio Lower Upper
83 100
85 62.8 45.0 83.6
127 8.7 7.4 11.2

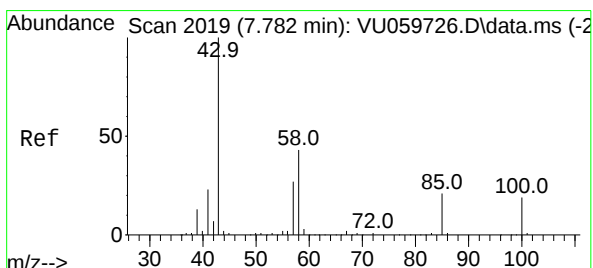
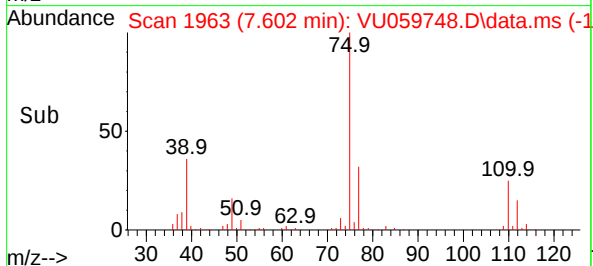
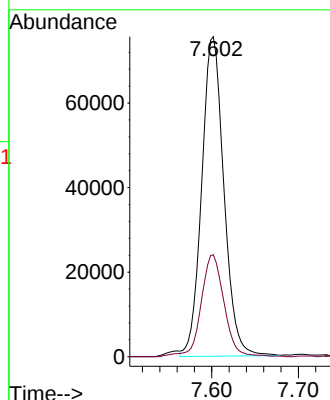
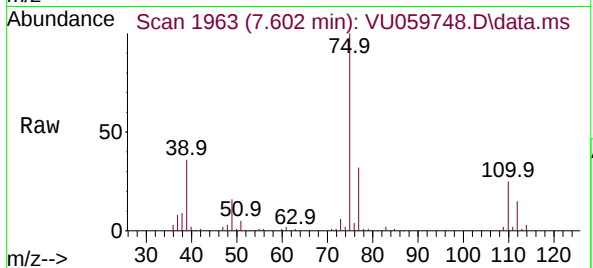




#39
cis-1,3-Dichloropropene
Concen: 45.305 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

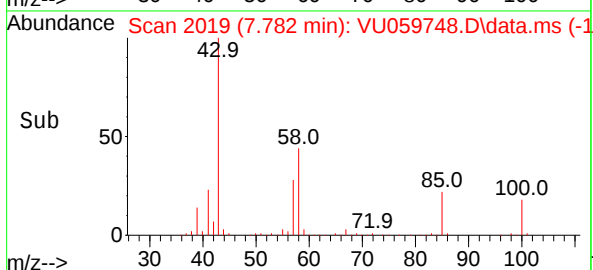
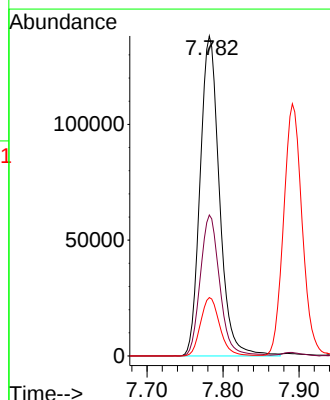
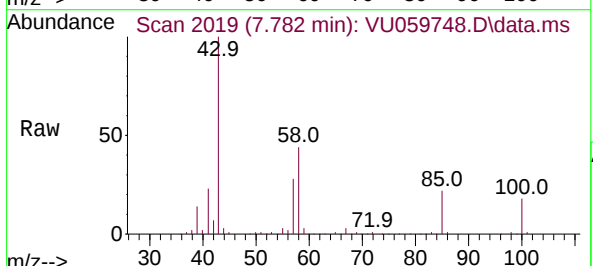
Instrument :
MSVOA_U
ClientSampleId :

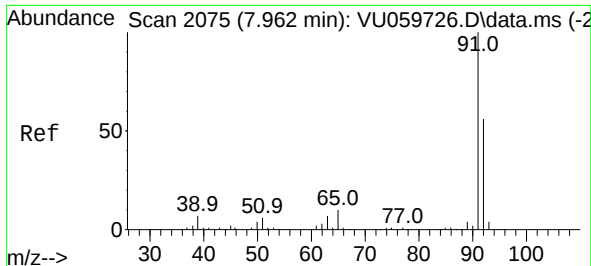
Tgt Ion: 75 Resp: 134267
Ion Ratio Lower Upper
75 100
77 31.8 21.6 40.2



#40
4-Methyl-2-pentanone
Concen: 99.843 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion: 43 Resp: 244436
Ion Ratio Lower Upper
43 100
58 44.3 35.3 52.9
100 18.1 14.6 22.0





#42

Toluene

Concen: 48.693 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

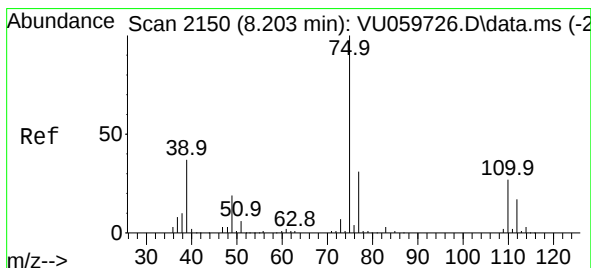
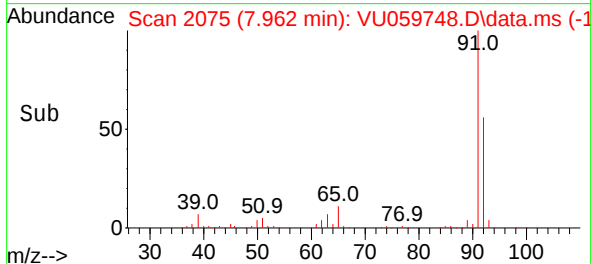
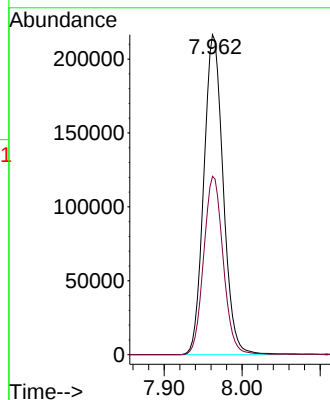
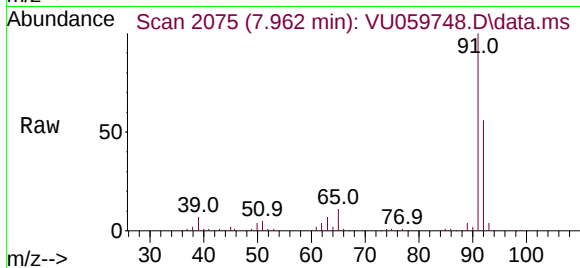
ClientSampleId :

Tgt Ion: 91 Resp: 374088

Ion Ratio Lower Upper

91 100

92 55.8 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 46.602 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU059748.D

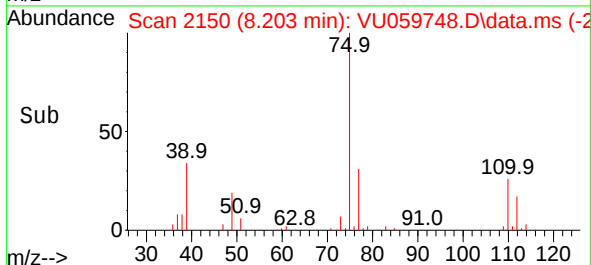
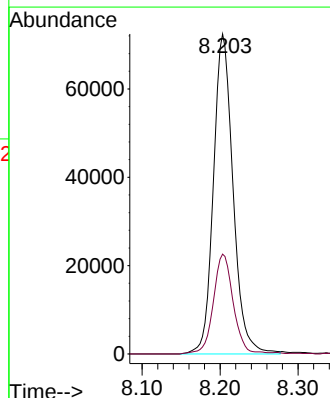
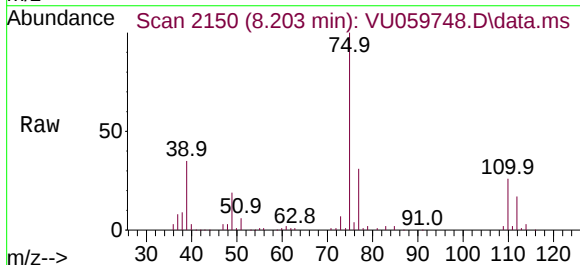
Acq: 02 Jul 2024 18:39

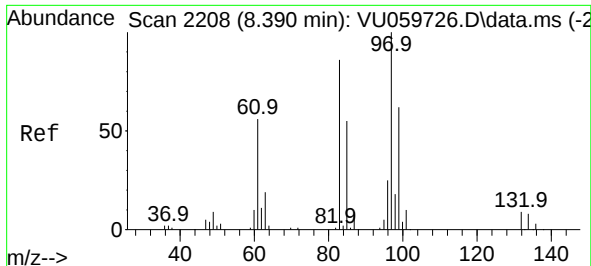
Tgt Ion: 75 Resp: 126864

Ion Ratio Lower Upper

75 100

77 31.2 21.7 40.3

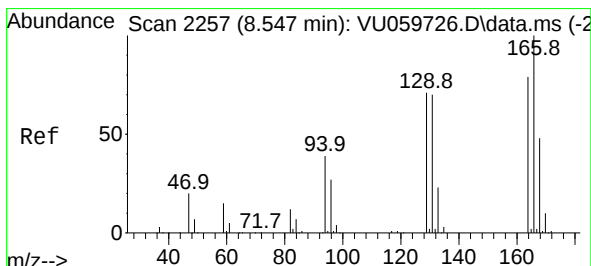
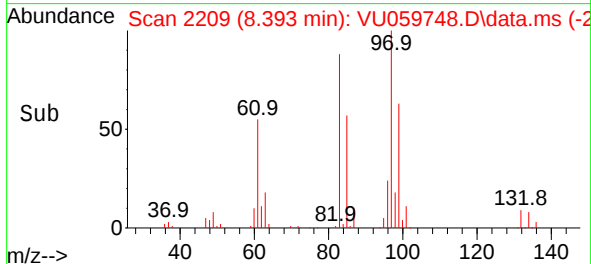
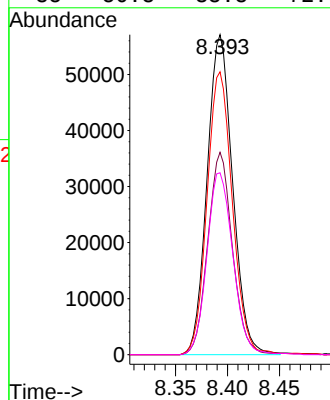
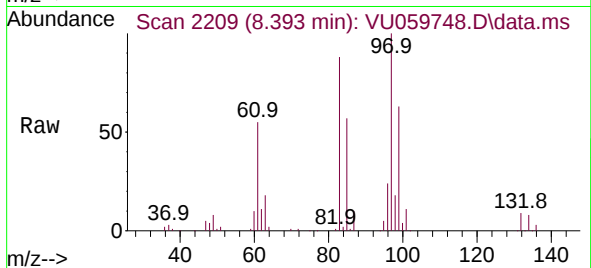




#45
1,1,2-Trichloroethane
Concen: 48.107 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

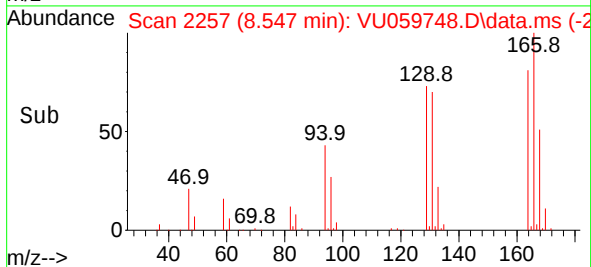
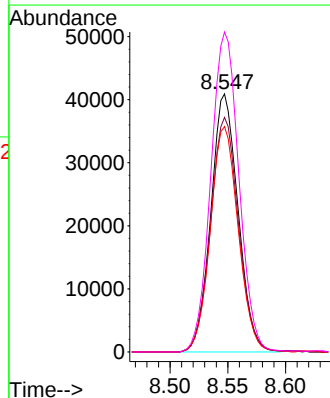
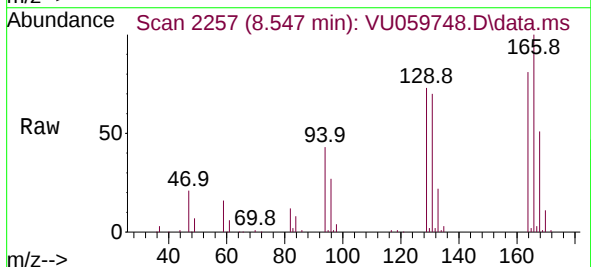
Instrument :
MSVOA_U
ClientSampleId :

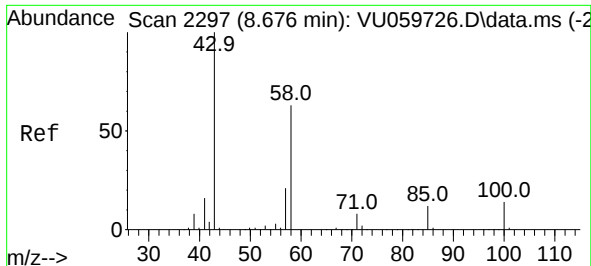
Tgt Ion:	97	Resp:	97591
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.1	80.1
83	88.4	60.4	112.2
85	56.8	38.8	72.0



#46
Tetrachloroethene
Concen: 43.480 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion:	164	Resp:	67173
Ion	Ratio	Lower	Upper
164	100		
129	90.9	62.7	116.5
131	87.4	62.3	115.7
166	124.0	88.9	165.1

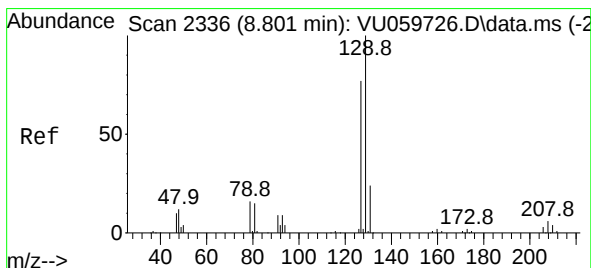
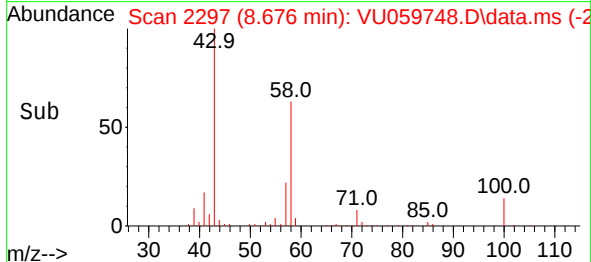
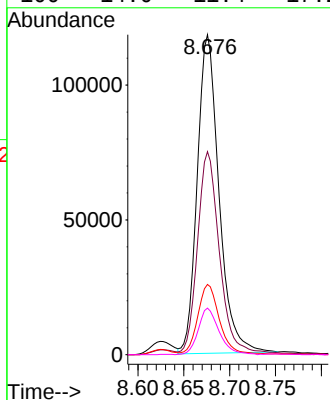
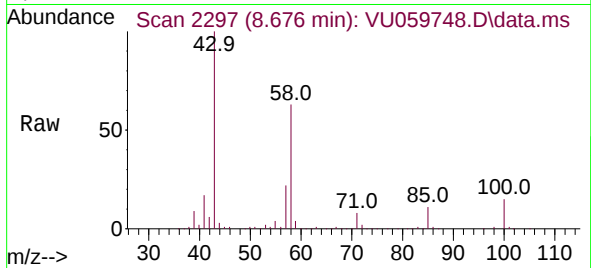




#48
2-Hexanone
Concen: 95.163 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

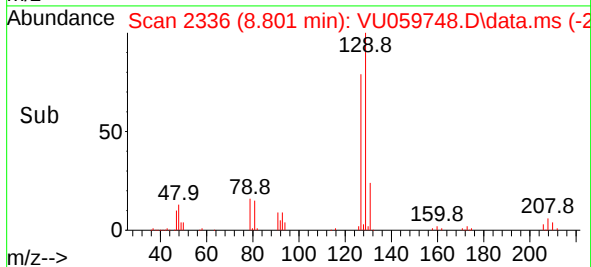
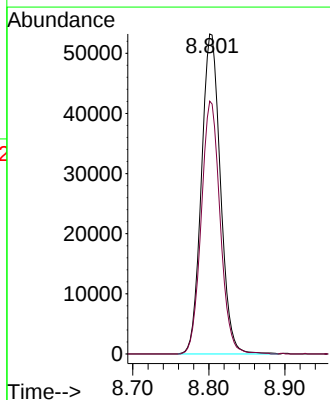
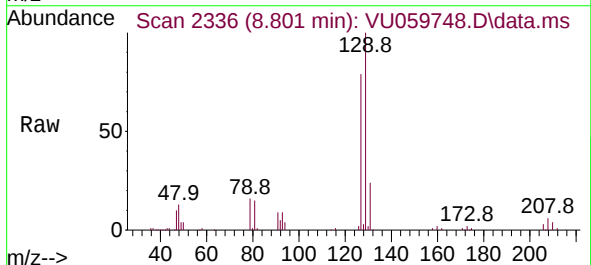
Instrument :
MSVOA_U
ClientSampleId :

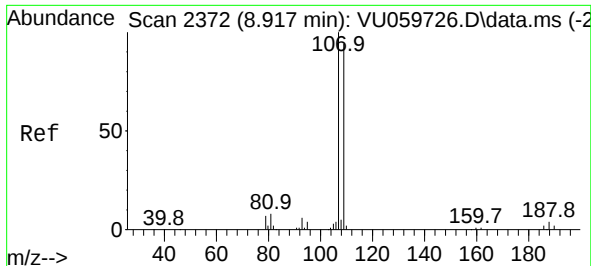
Tgt Ion:	43	Resp:	194985
Ion	Ratio	Lower	Upper
43	100		
58	63.5	49.0	73.6
57	22.2	16.7	25.1
100	14.0	11.4	17.2



#49
Dibromochloromethane
Concen: 46.264 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

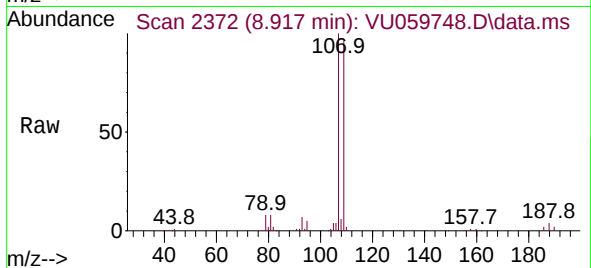
Tgt Ion:	129	Resp:	92472
Ion	Ratio	Lower	Upper
129	100		
127	79.0	54.0	100.2



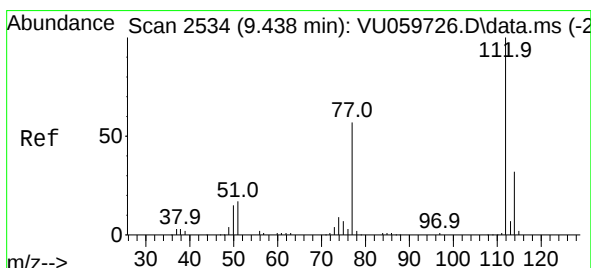
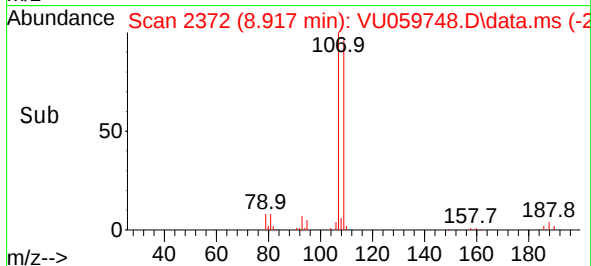
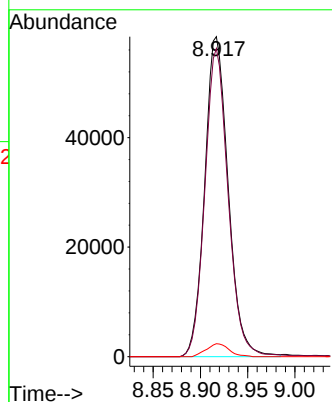


#50
1,2-Dibromoethane
Concen: 47.699 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Instrument :
MSVOA_U
ClientSampleId :

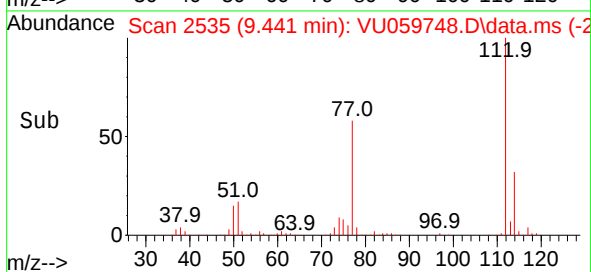
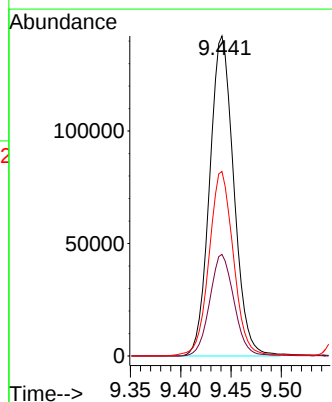
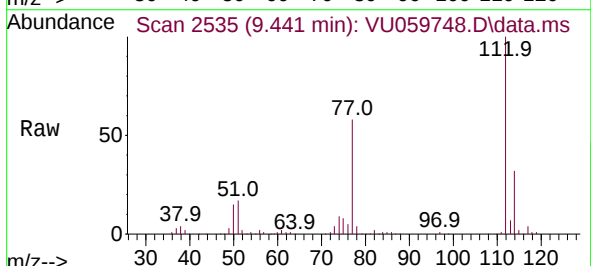


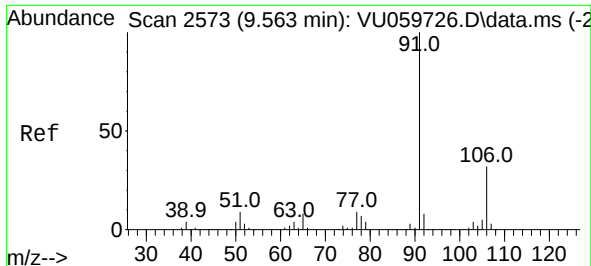
Tgt Ion:107 Resp: 101170
Ion Ratio Lower Upper
107 100
109 96.3 65.5 121.6
188 4.0 3.0 4.4



#51
Chlorobenzene
Concen: 46.672 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion:112 Resp: 238041
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.3
77 57.7 45.8 68.6





#52

Ethylbenzene

Concen: 46.694 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

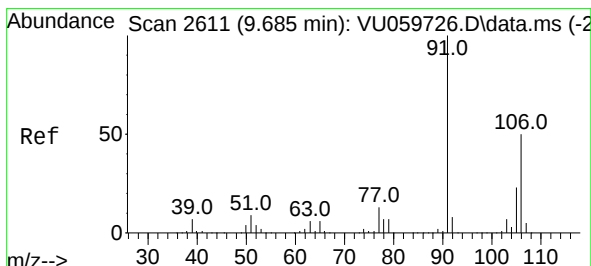
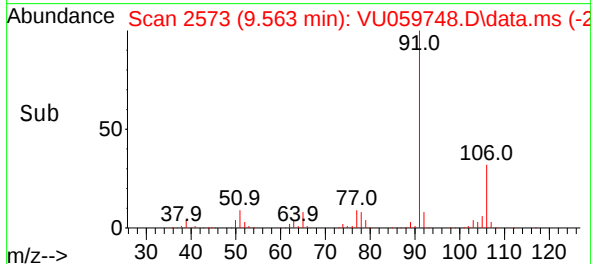
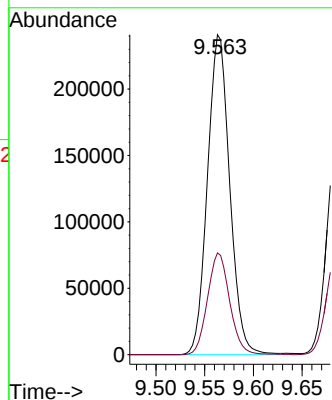
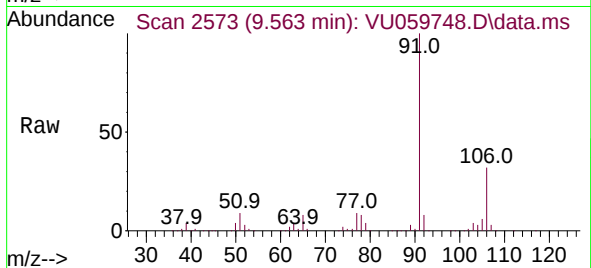
ClientSampleId :

Tgt Ion: 91 Resp: 383089

Ion Ratio Lower Upper

91 100

106 31.8 22.4 41.6



#53

m,p-Xylene

Concen: 46.856 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU059748.D

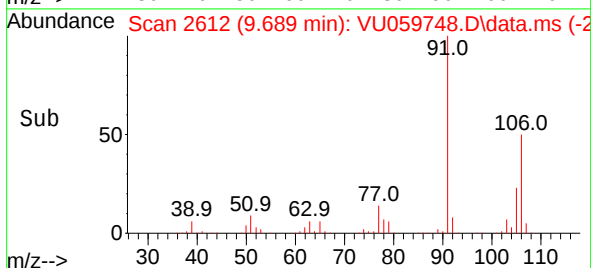
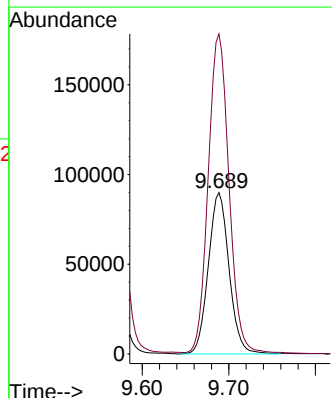
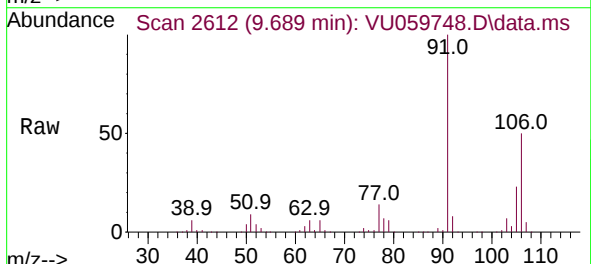
Acq: 02 Jul 2024 18:39

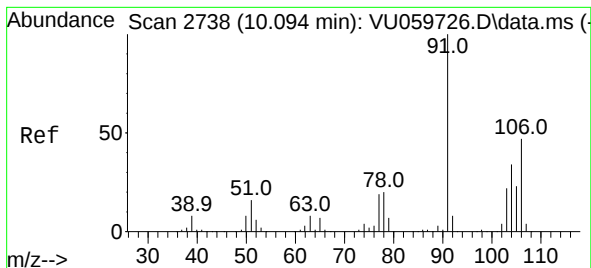
Tgt Ion:106 Resp: 149677

Ion Ratio Lower Upper

106 100

91 198.5 140.9 261.7





#54

o-Xylene

Concen: 47.860 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

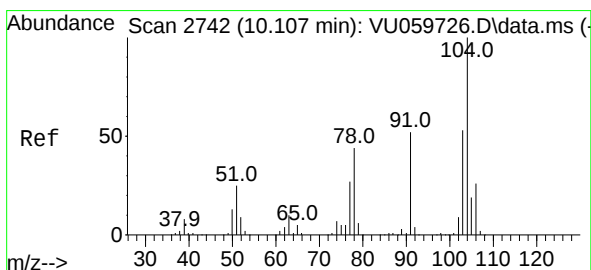
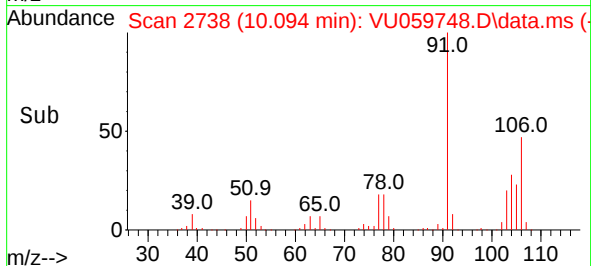
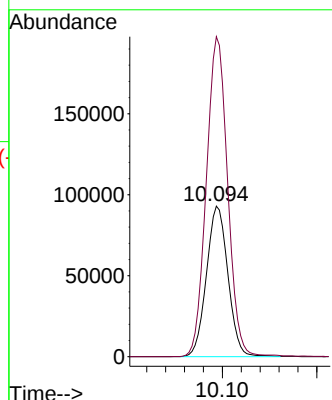
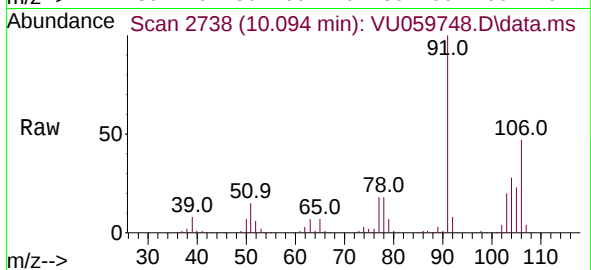
ClientSampleId :

Tgt Ion:106 Resp: 147017

Ion Ratio Lower Upper

106 100

91 212.5 147.4 273.8



#55

Styrene

Concen: 49.677 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU059748.D

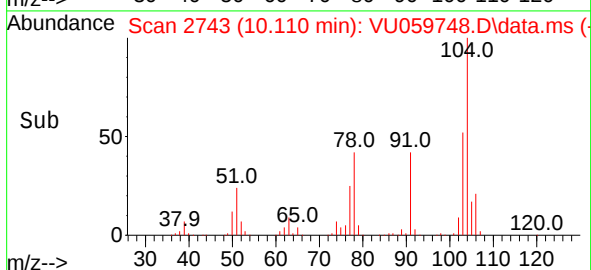
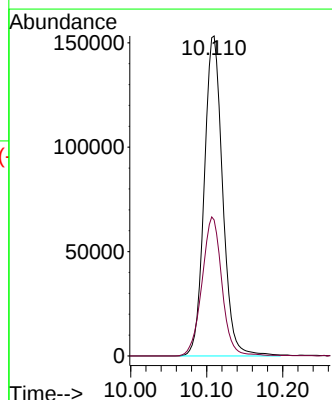
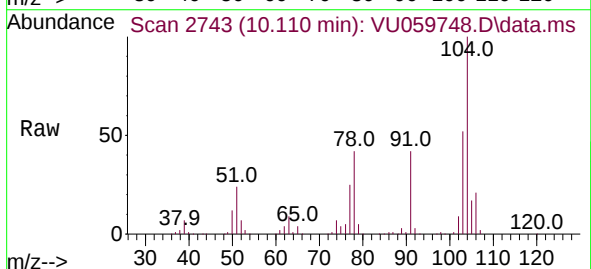
Acq: 02 Jul 2024 18:39

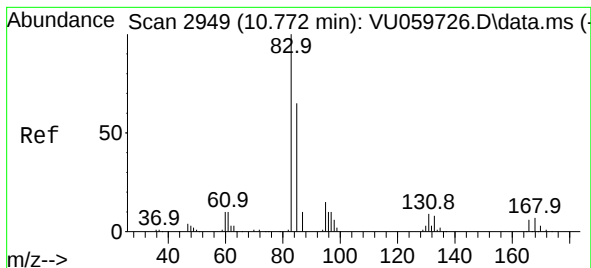
Tgt Ion:104 Resp: 257444

Ion Ratio Lower Upper

104 100

78 42.5 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 50.557 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

ClientSampleId :

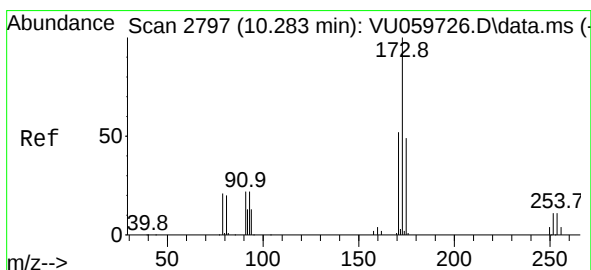
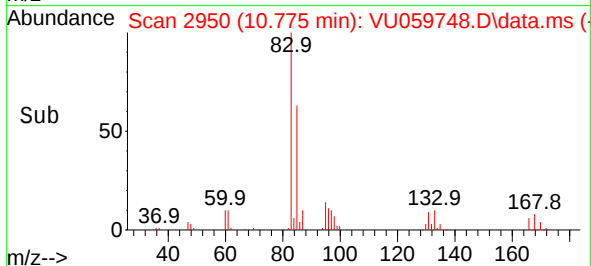
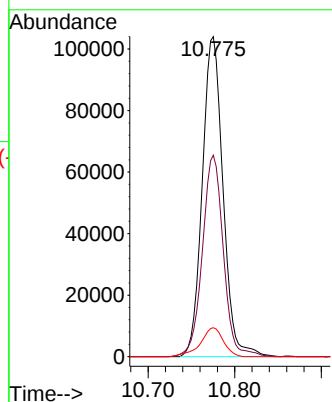
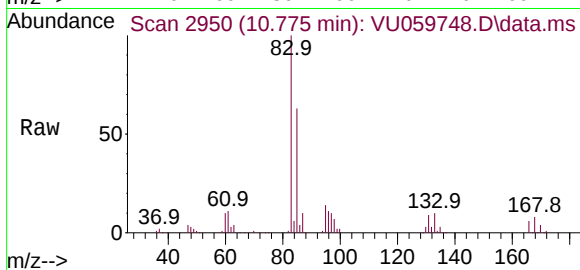
Tgt Ion: 83 Resp: 172956

Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.2

131 9.1 7.5 11.3



#59

Bromoform

Concen: 47.024 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

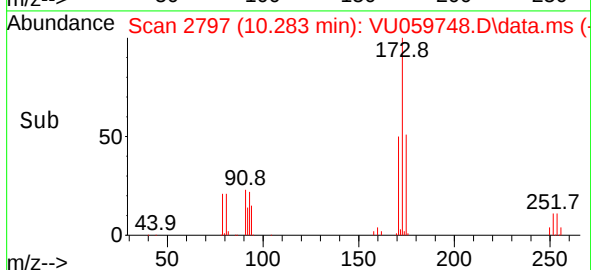
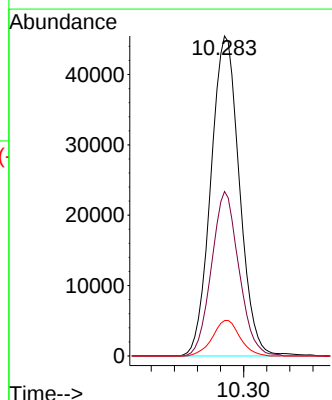
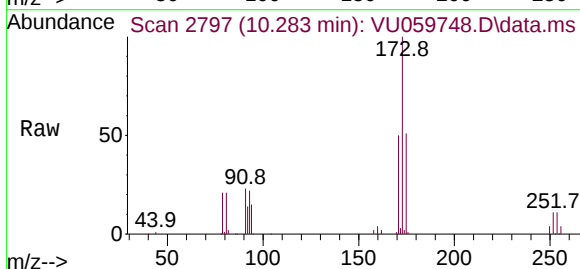
Tgt Ion:173 Resp: 77898

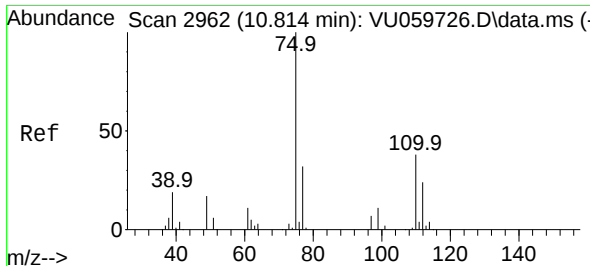
Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.2

254 10.7 9.0 13.4

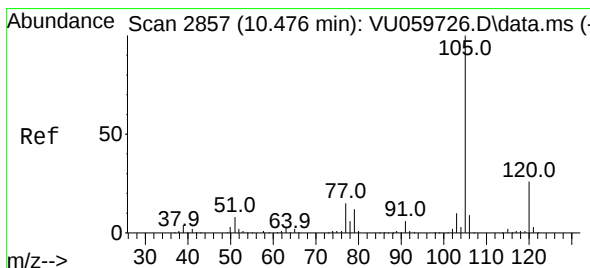
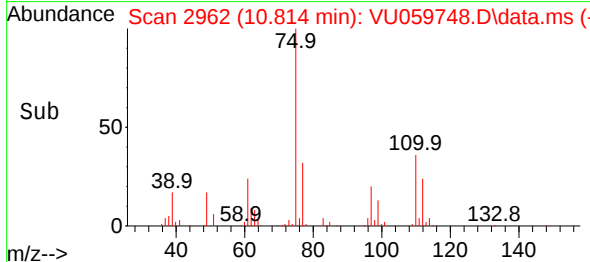
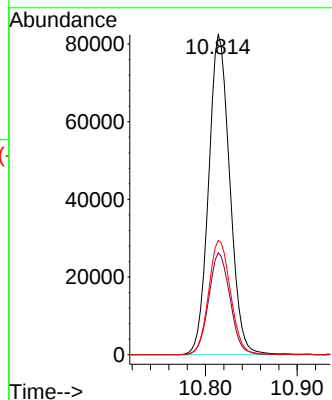
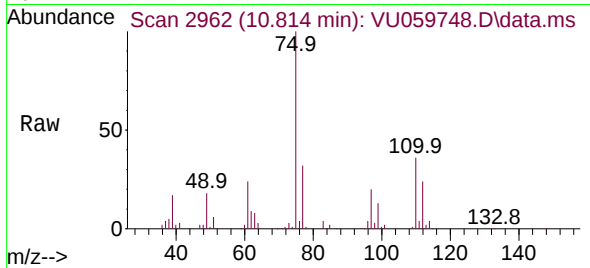




#60
1,2,3-Trichloropropane
Concen: 50.844 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

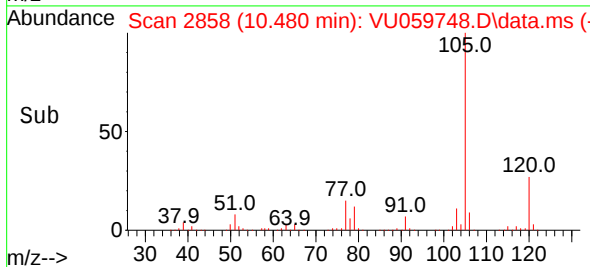
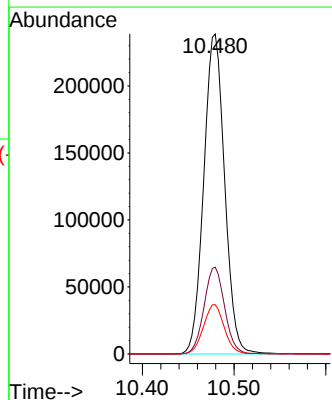
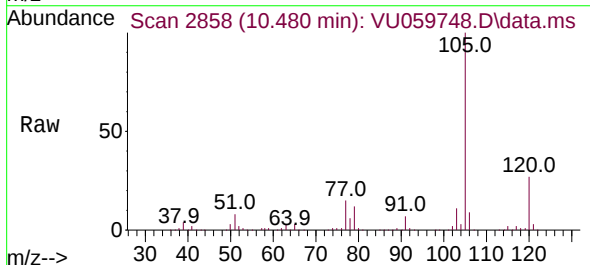
Instrument :
MSVOA_U
ClientSampleId :

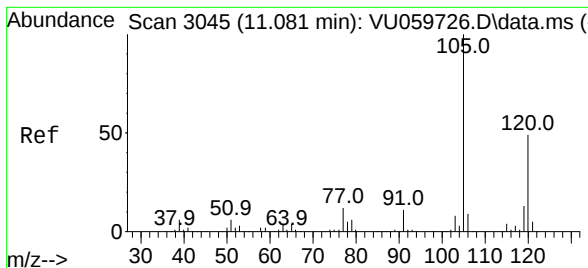
Tgt Ion: 75 Resp: 132200
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3
110 36.7 30.7 46.1



#61
Isopropylbenzene
Concen: 47.296 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion:105 Resp: 377710
Ion Ratio Lower Upper
105 100
120 26.7 20.9 31.3
77 15.5 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 45.543 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

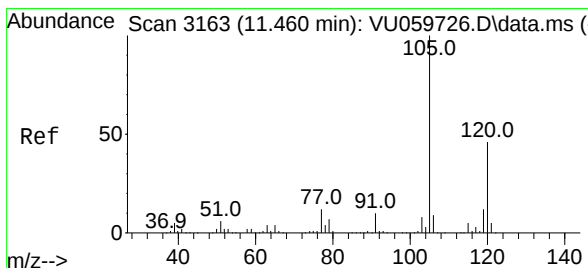
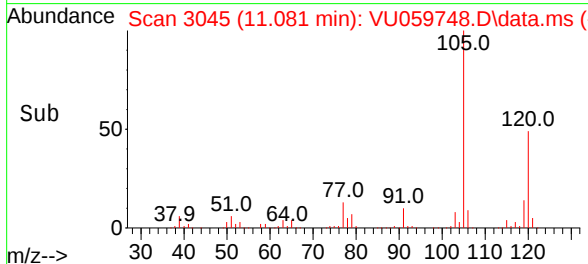
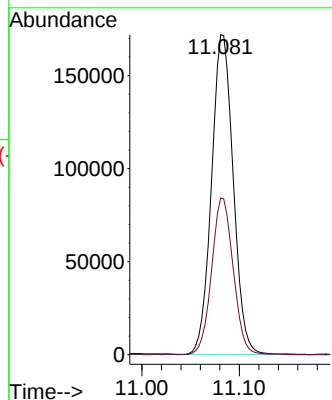
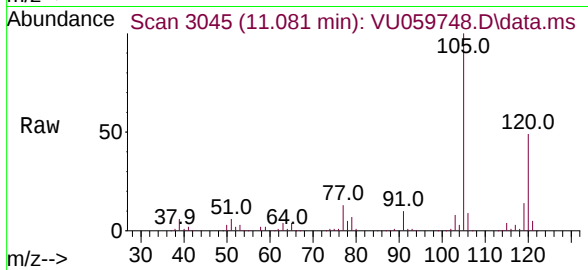
ClientSampleId :

Tgt Ion:105 Resp: 266261

Ion Ratio Lower Upper

105 100

120 48.8 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 47.314 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU059748.D

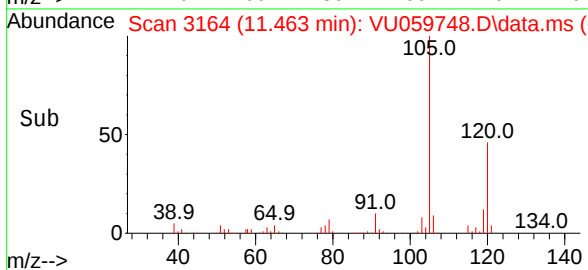
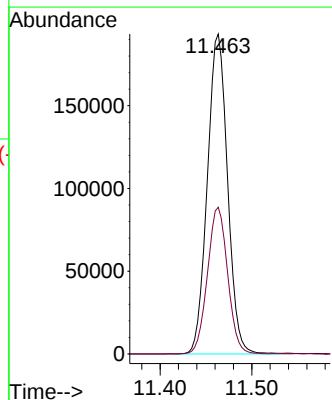
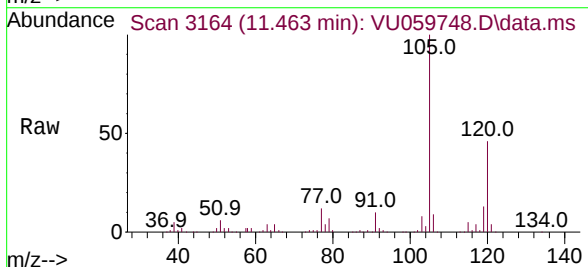
Acq: 02 Jul 2024 18:39

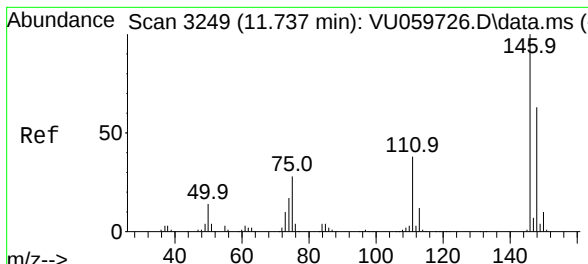
Tgt Ion:105 Resp: 296292

Ion Ratio Lower Upper

105 100

120 45.9 37.0 55.6

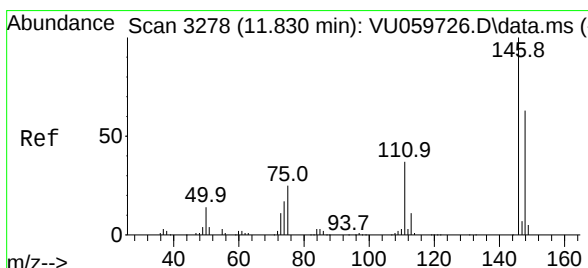
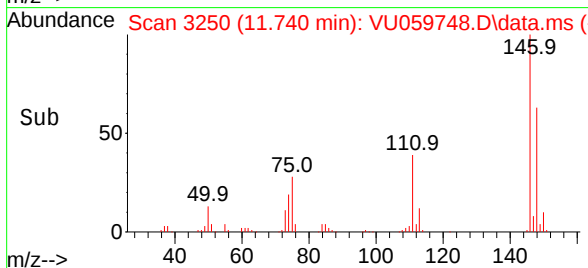
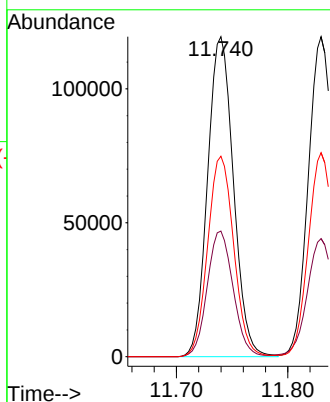
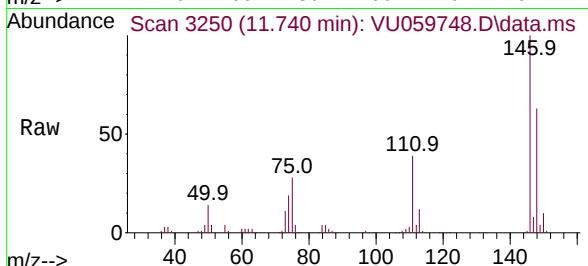




#64
1,3-Dichlorobenzene
Concen: 46.502 ug/L
RT: 11.740 min Scan# 3249
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

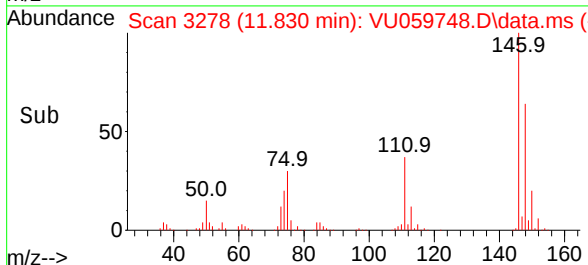
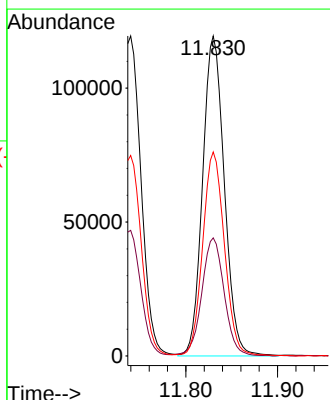
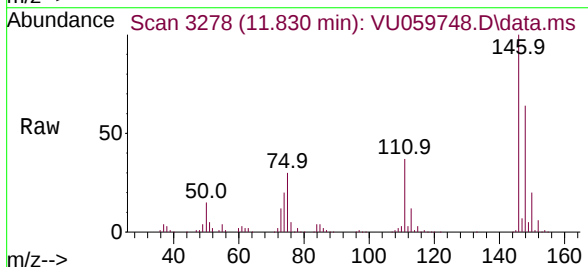
Instrument :
MSVOA_U
ClientSampleId :

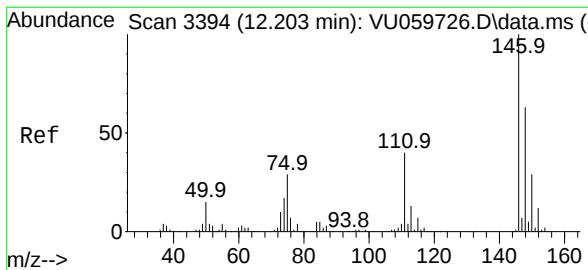
Tgt Ion:146 Resp: 192601
Ion Ratio Lower Upper
146 100
111 39.2 26.5 49.1
148 62.7 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 45.841 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion:146 Resp: 196272
Ion Ratio Lower Upper
146 100
111 36.9 25.9 48.1
148 63.7 44.0 81.8

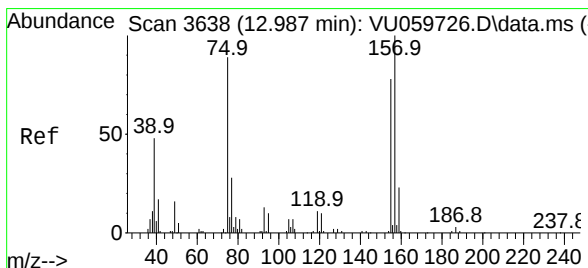
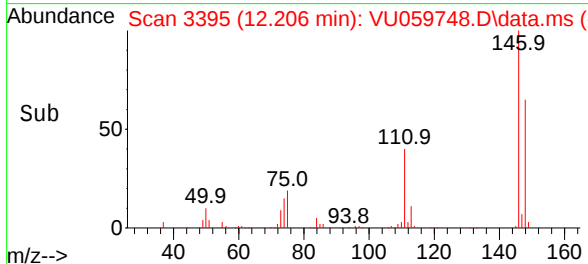
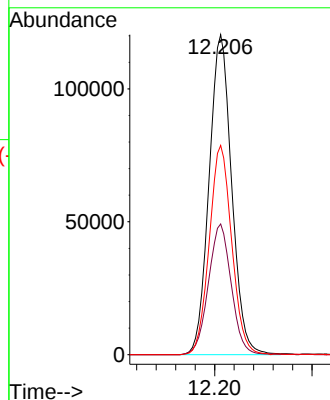
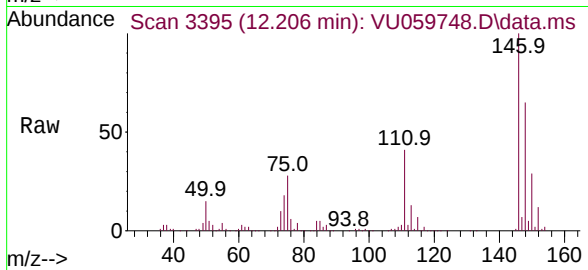




#67
1,2-Dichlorobenzene
Concen: 46.315 ug/L
RT: 12.206 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

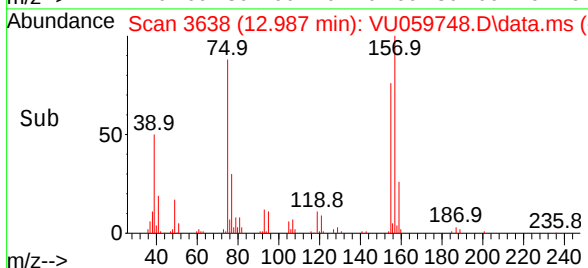
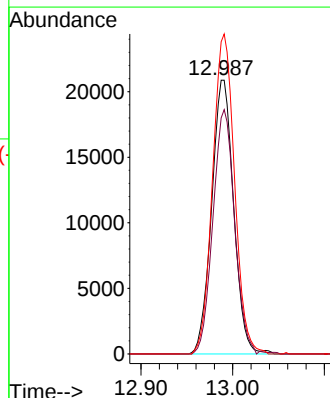
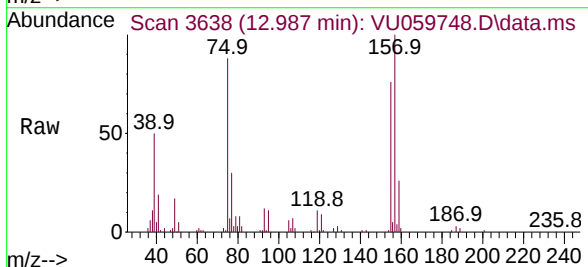
Instrument :
MSVOA_U
ClientSampleId :

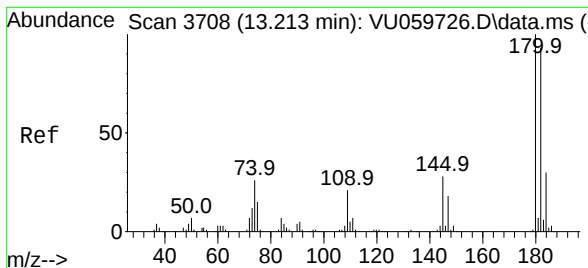
Tgt Ion:146 Resp: 193783
Ion Ratio Lower Upper
146 100
111 40.9 31.7 47.5
148 65.4 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 48.972 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU059748.D
Acq: 02 Jul 2024 18:39

Tgt Ion: 75 Resp: 34823
Ion Ratio Lower Upper
75 100
155 91.6 73.5 110.3
157 114.0 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 44.034 ug/L

RT: 13.213 min Scan# 3

Delta R.T. 0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 131492

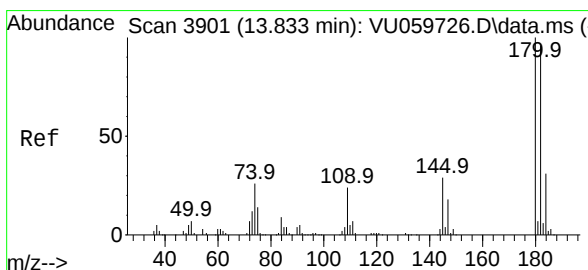
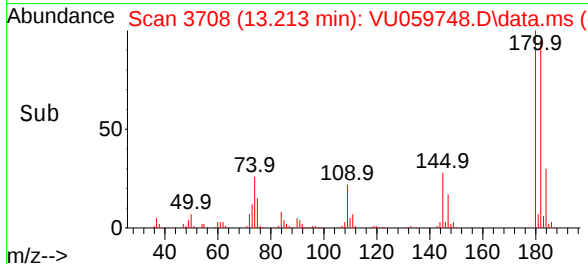
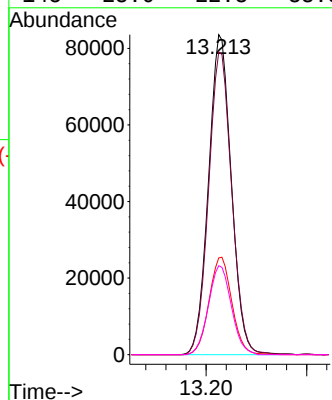
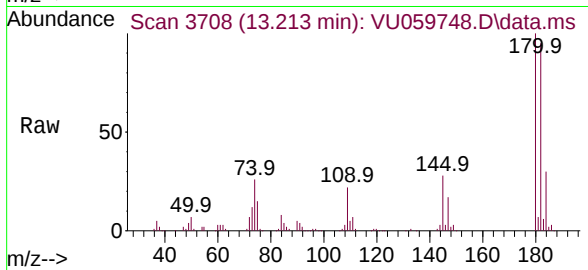
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

184 30.5 24.7 37.1

145 28.0 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 42.323 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

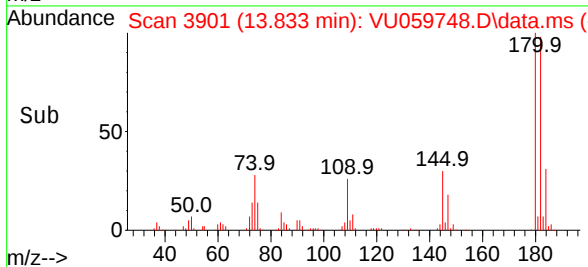
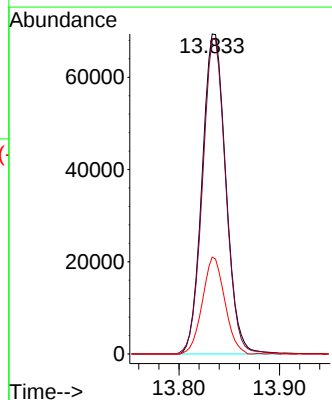
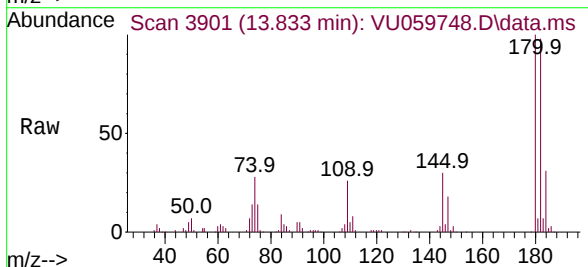
Tgt Ion:180 Resp: 113909

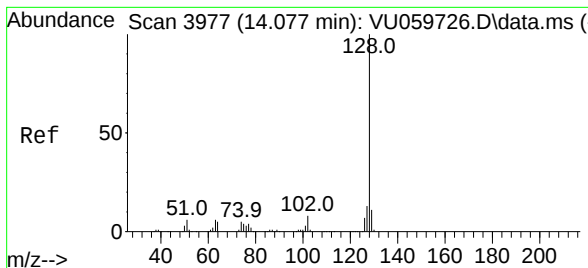
Ion Ratio Lower Upper

180 100

182 96.6 76.4 114.6

145 28.5 23.0 34.4





#71

Naphthalene

Concen: 43.898 ug/L

RT: 14.081 min Scan# 3977

Delta R.T. 0.003 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Instrument :

MSVOA_U

ClientSampleId :

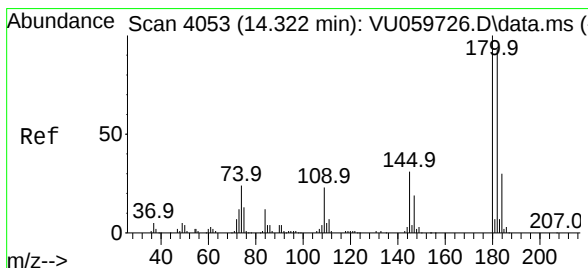
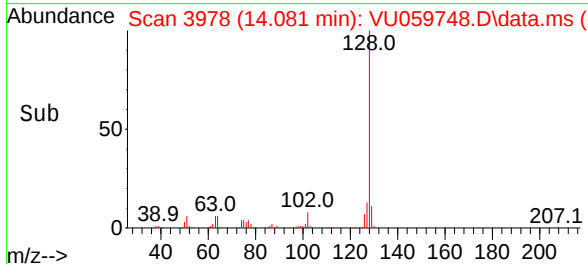
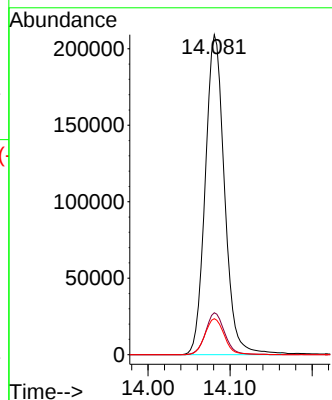
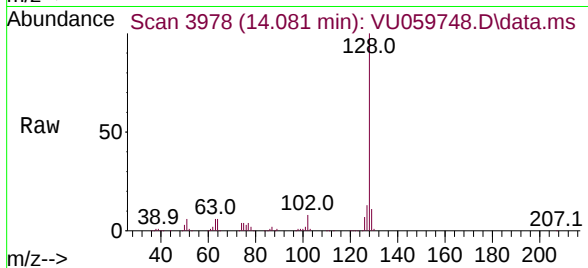
Tgt Ion:128 Resp: 341436

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.4 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 44.414 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU059748.D

Acq: 02 Jul 2024 18:39

Tgt Ion:180 Resp: 119933

Ion Ratio Lower Upper

180 100

182 97.7 75.8 113.8

145 30.7 24.5 36.7

