

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022724\
 Data File : VU057954.D
 Acq On : 27 Feb 2024 14:45
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 28 00:42:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	248860	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244892	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120522	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	60454	33.554	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.100%
7) Chloroethane-d5	1.904	69	55891	41.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.940%
11) 1,1-Dichloroethene-d2	2.560	63	128469	38.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.520%
21) 2-Butanone-d5	4.612	46	85765	125.286	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.290%
24) Chloroform-d	5.052	84	154405	50.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.080%
26) 1,2-Dichloroethane-d4	5.692	65	99212	51.804	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.600%
32) Benzene-d6	5.718	84	281886	45.931	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.860%
36) 1,2-Dichloropropane-d6	6.682	67	97717	49.310	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.620%
41) Toluene-d8	7.891	98	254039	45.728	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.460%
43) trans-1,3-Dichloroprop...	8.174	79	44827	47.502	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
47) 2-Hexanone-d5	8.624	63	71699	94.114	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.110%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	135217	49.448	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.900%
66) 1,2-Dichlorobenzene-d4	12.187	152	92719	47.511	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	86961	31.875	ug/L	99
3) Chloromethane	1.515	50	118047	42.556	ug/L	99
5) Vinyl chloride	1.596	62	108305	39.538	ug/L	99
6) Bromomethane	1.850	94	70890	66.282	ug/L	100
8) Chloroethane	1.924	64	70658	44.107	ug/L	96
9) Trichlorofluoromethane	2.129	101	120708	36.012	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	69473	35.663	ug/L	99
12) 1,1-Dichloroethene	2.570	96	73847	40.984	ug/L	97
13) Acetone	2.608	43	101741	80.271	ug/L	99
14) Carbon disulfide	2.782	76	248148	42.082	ug/L	100
15) Methyl Acetate	2.933	43	106760	51.739	ug/L	99
16) Methylene chloride	3.033	84	107347	45.709	ug/L	97
17) trans-1,2-Dichloroethene	3.342	96	86877	46.474	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	328677	50.502	ug/L	99
19) 1,1-Dichloroethane	3.856	63	187864	48.472	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	104576	48.765	ug/L	98
22) 2-Butanone	4.686	43	143989	93.768	ug/L	100
23) Bromochloromethane	4.962	128	52838	50.711	ug/L	99
25) Chloroform	5.078	83	192342	50.263	ug/L	99

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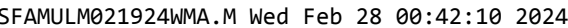
Instrument :
 MSVOA_U
 ClientSampleId :

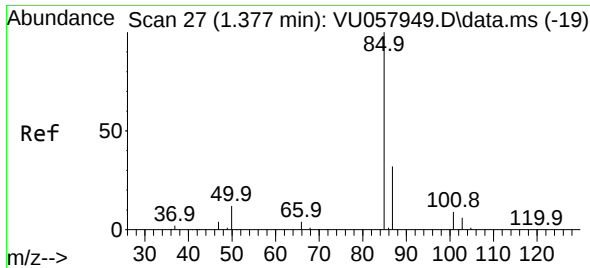
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	161594	50.751	ug/L	98
29) Cyclohexane	5.380	56	121031	33.580	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	144414	43.760	ug/L	99
31) Carbon tetrachloride	5.515	117	115788	40.857	ug/L	99
33) Benzene	5.766	78	404880	47.402	ug/L	100
34) Trichloroethene	6.534	95	99372	45.259	ug/L	97
35) Methylcyclohexane	6.756	83	121961	34.189	ug/L	99
37) 1,2-Dichloropropane	6.782	63	116950	48.524	ug/L	99
38) Bromodichloromethane	7.097	83	146977	50.783	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	179674	48.782	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	298472	98.381	ug/L	99
42) Toluene	7.962	91	409064	46.275	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	167591	49.032	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	107937	50.403	ug/L	98
46) Tetrachloroethene	8.547	164	63340	41.919	ug/L	98
48) 2-Hexanone	8.676	43	223253	90.157	ug/L	99
49) Dibromochloromethane	8.804	129	107618	50.462	ug/L	95
50) 1,2-Dibromoethane	8.917	107	113119	50.168	ug/L	99
51) Chlorobenzene	9.441	112	258032	45.903	ug/L	99
52) Ethylbenzene	9.563	91	440778	44.469	ug/L	99
53) m,p-Xylene	9.689	106	161055	44.679	ug/L	99
54) o-Xylene	10.094	106	164023	46.053	ug/L	97
55) Styrene	10.110	104	286063	46.838	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	170600	46.764	ug/L	99
59) Bromoform	10.287	173	75798	51.234	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	135386	48.486	ug/L	98
61) Isopropylbenzene	10.480	105	408053	43.324	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	347463	42.819	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	351176	43.068	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	187717	45.075	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	191024	45.027	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	187206	45.692	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.991	75	34035	51.338	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	124144	44.321	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	109196	48.420	ug/L	99
71) Naphthalene	14.081	128	301223	50.298	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	104379	50.391	ug/L	99

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

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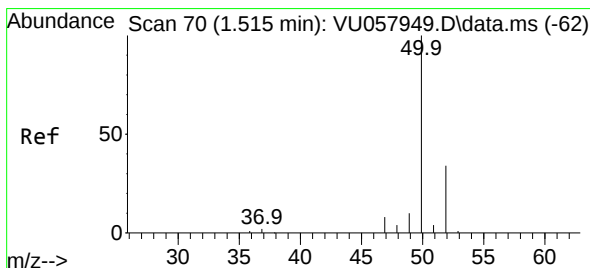
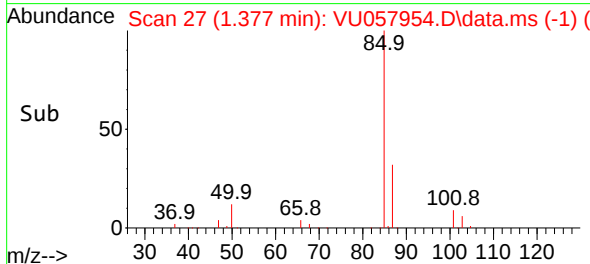
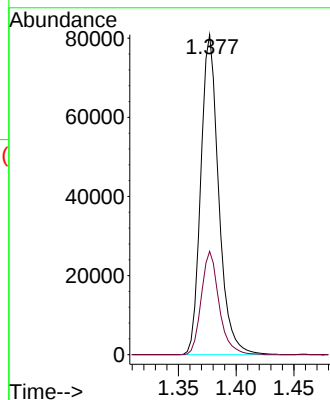
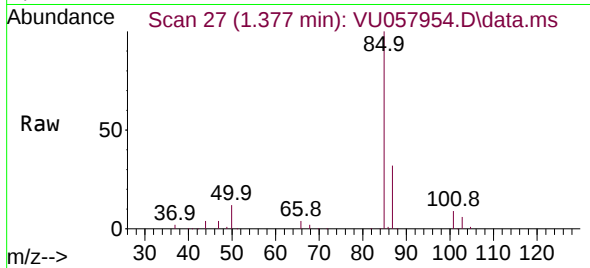




#2
Dichlorodifluoromethane
Concen: 31.875 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

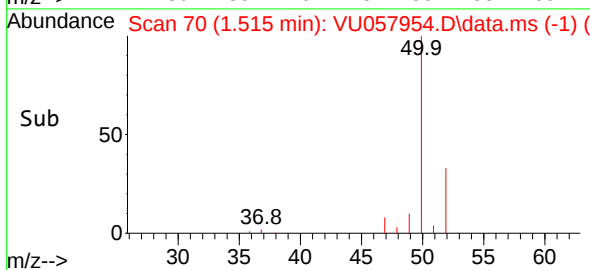
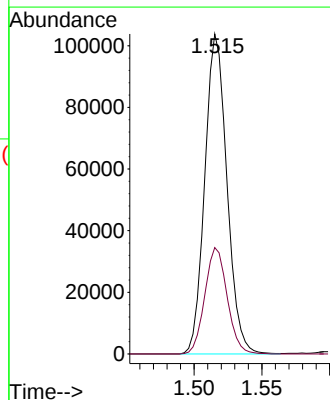
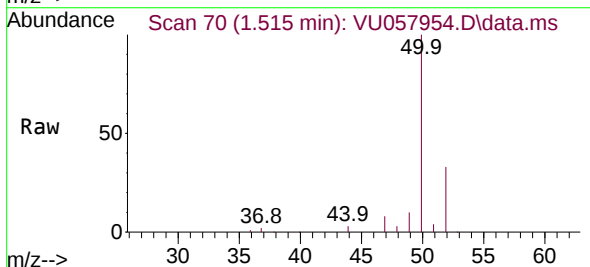
Instrument :
MSVOA_U
ClientSampleId :

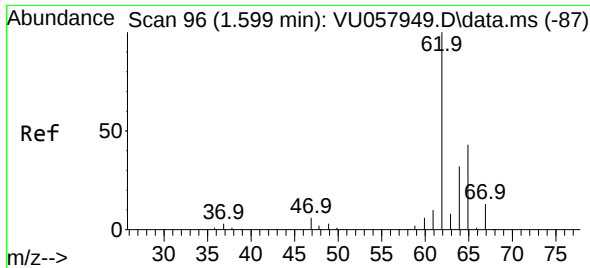
Tgt Ion: 85 Resp: 86961
Ion Ratio Lower Upper
85 100
87 32.1 26.2 39.2



#3
Chloromethane
Concen: 42.556 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion: 50 Resp: 118047
Ion Ratio Lower Upper
50 100
52 33.3 23.8 44.2

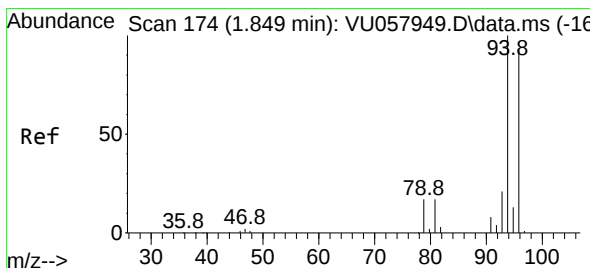
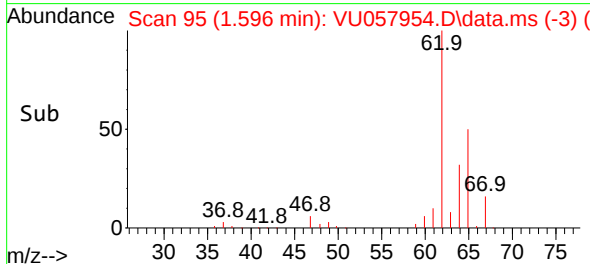
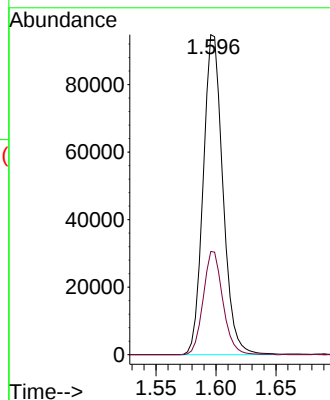
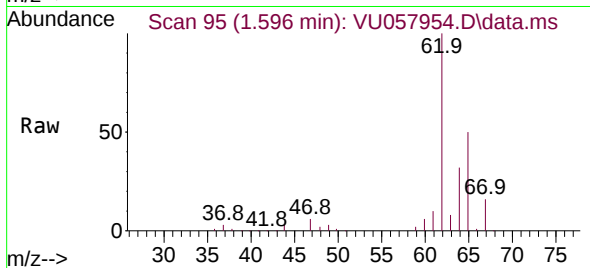




#5
 Vinyl chloride
 Concen: 39.538 ug/L
 RT: 1.596 min Scan# 96
 Delta R.T. -0.003 min
 Lab File: VU057954.D
 Acq: 27 Feb 2024 14:45

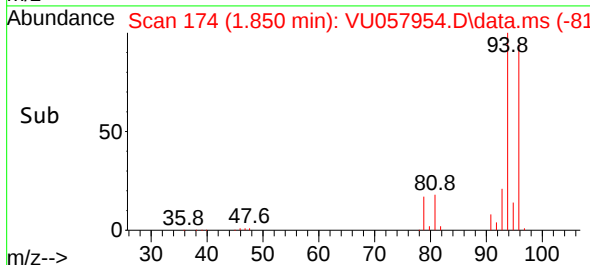
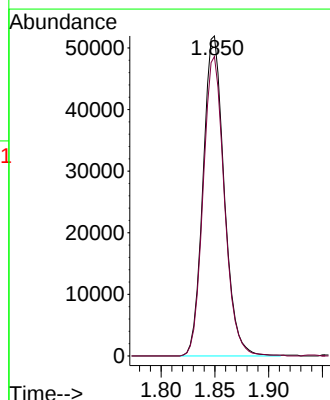
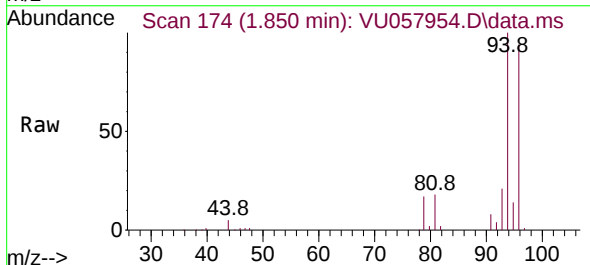
Instrument :
 MSVOA_U
 ClientSampleId :

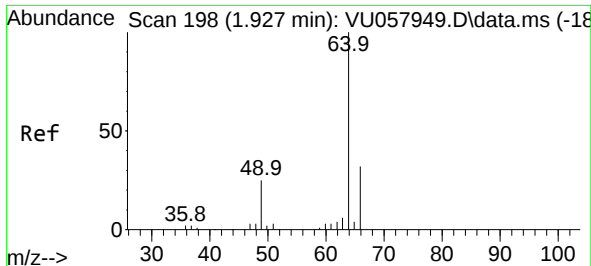
Tgt Ion: 62 Resp: 108305
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.1 42.9



#6
 Bromomethane
 Concen: 66.282 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU057954.D
 Acq: 27 Feb 2024 14:45

Tgt Ion: 94 Resp: 70890
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.5 121.7

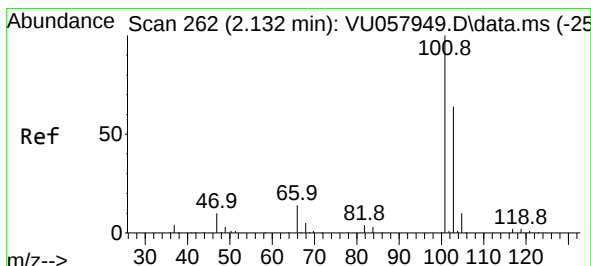
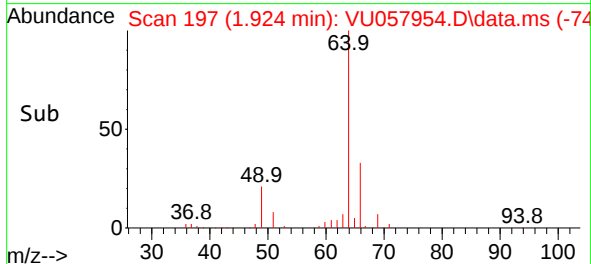
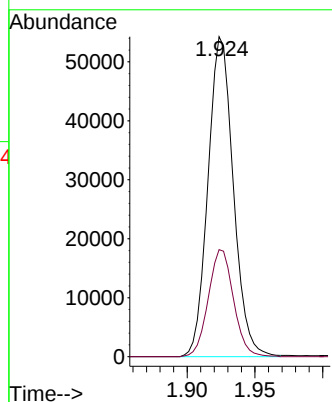
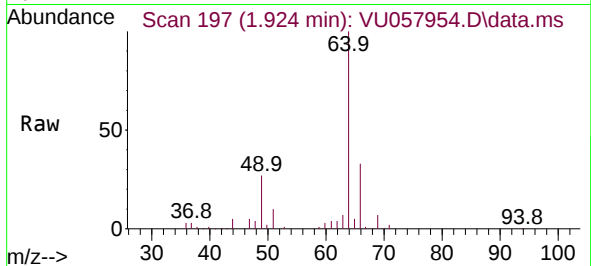




#8
Chloroethane
Concen: 44.107 ug/L
RT: 1.924 min Scan# 19
Delta R.T. -0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

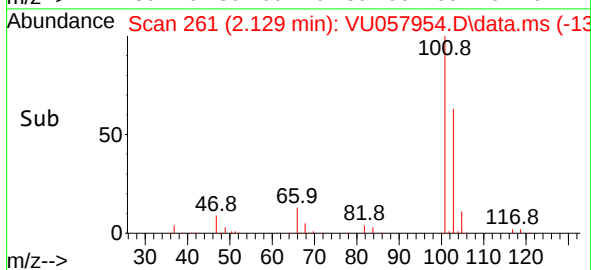
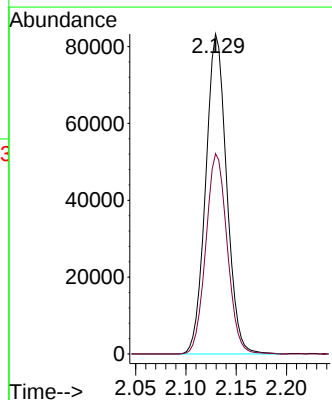
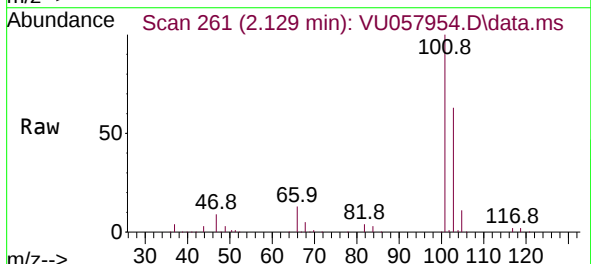
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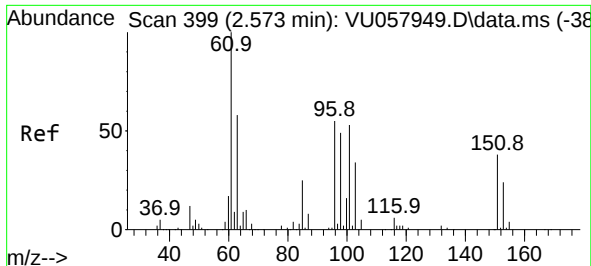
Tgt Ion: 64 Resp: 70658
Ion Ratio Lower Upper
64 100
66 34.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 36.012 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion:101 Resp: 120708
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

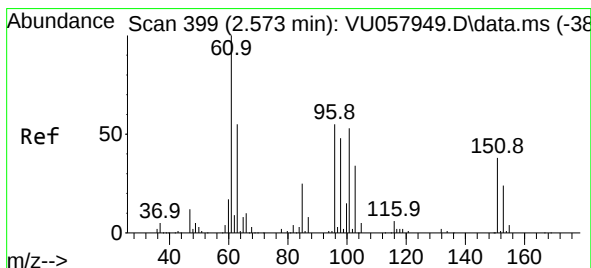
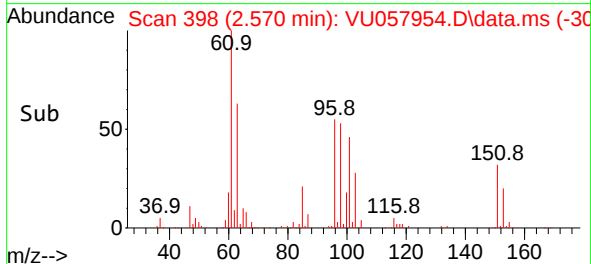
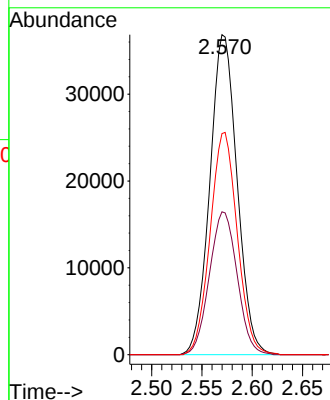
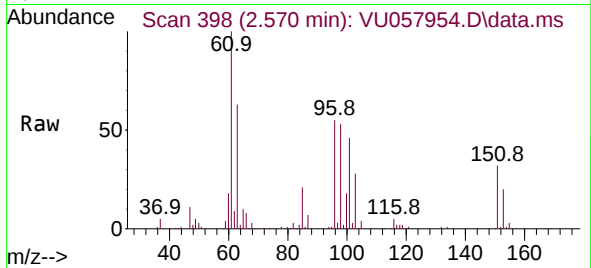




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 35.663 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

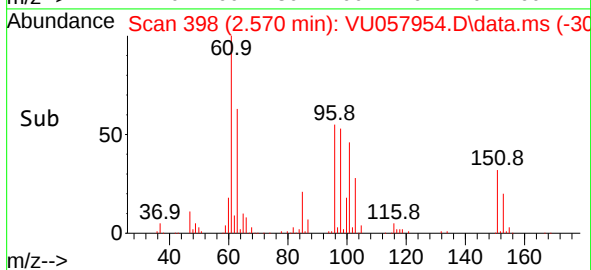
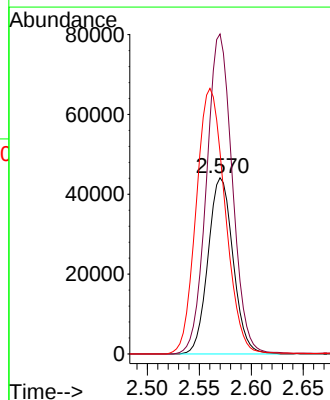
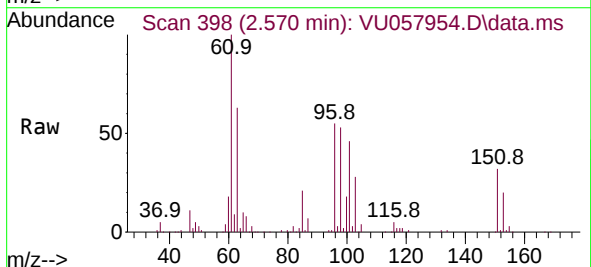
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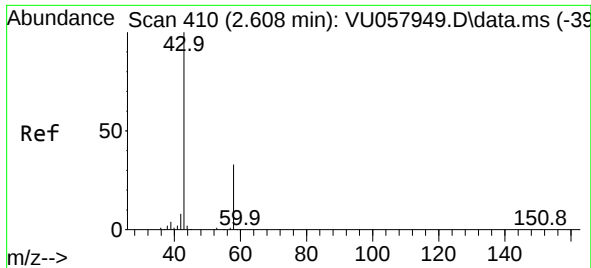
Tgt Ion:101 Resp: 69473
Ion Ratio Lower Upper
101 100
85 45.4 35.7 53.5
151 69.2 55.8 83.6



#12
1,1-Dichloroethene
Concen: 40.984 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion: 96 Resp: 73847
Ion Ratio Lower Upper
96 100
61 181.7 126.8 235.6
63 114.4 86.5 160.7





#13

Acetone

Concen: 80.271 ug/L

RT: 2.608 min Scan# 410

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

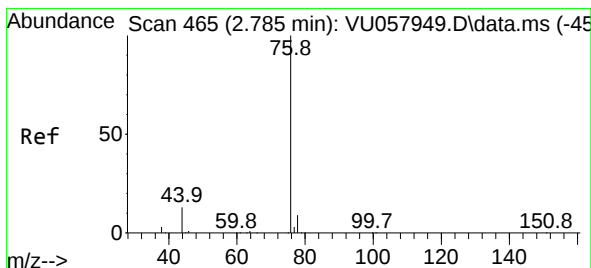
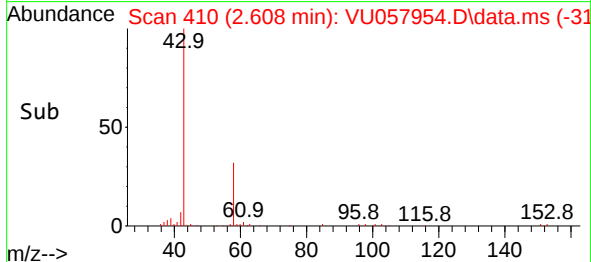
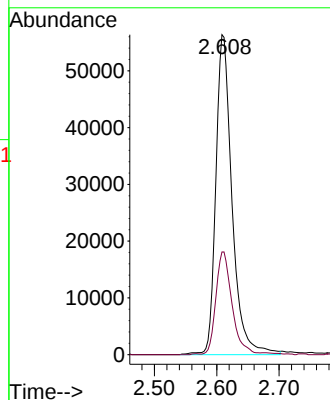
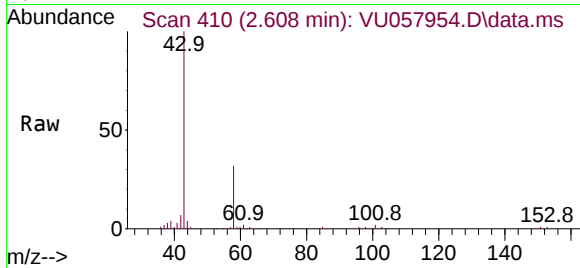
ClientSampleId :

Tgt Ion: 43 Resp: 101741

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.2



#14

Carbon disulfide

Concen: 42.082 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU057954.D

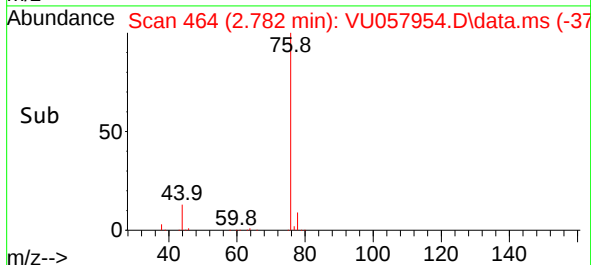
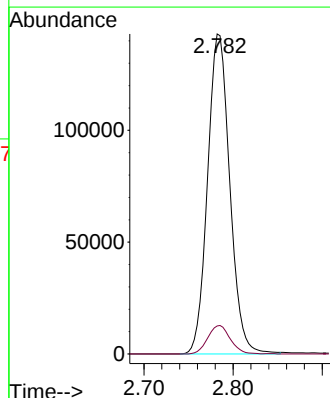
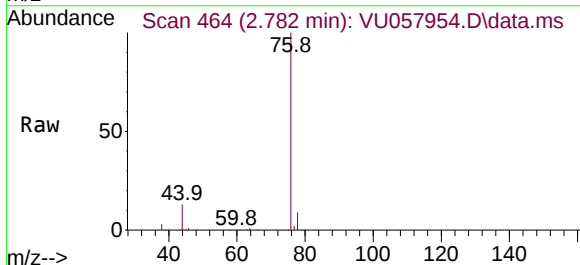
Acq: 27 Feb 2024 14:45

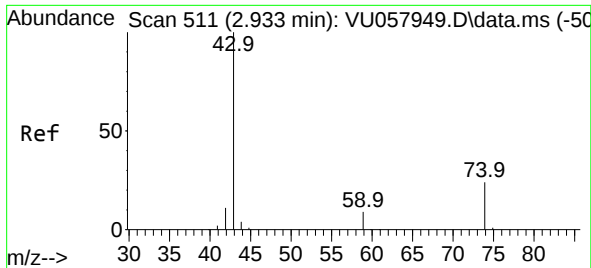
Tgt Ion: 76 Resp: 248148

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

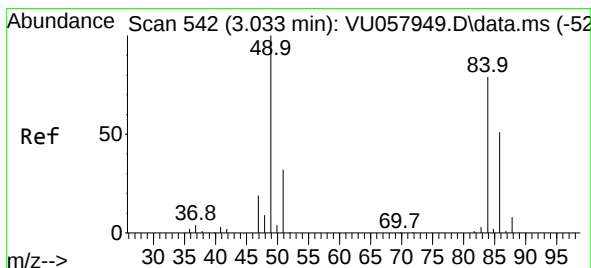
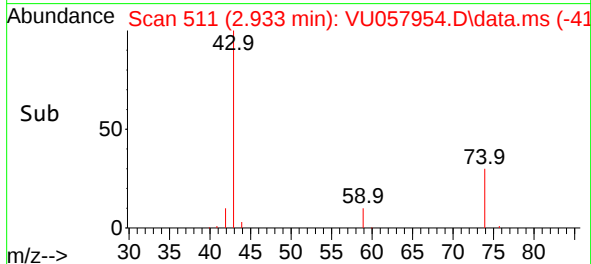
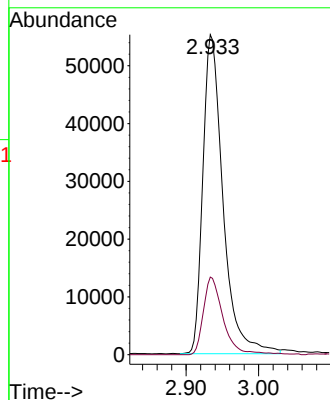
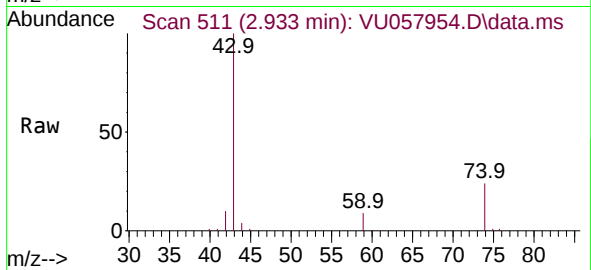




#15
Methyl Acetate
Concen: 51.739 ug/L
RT: 2.933 min Scan# 511
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

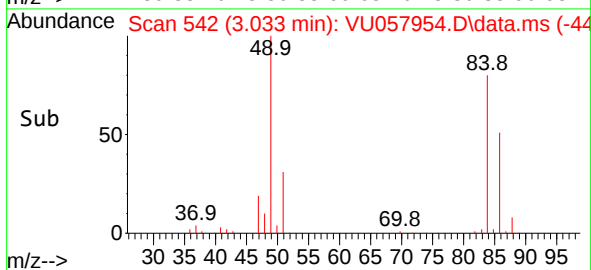
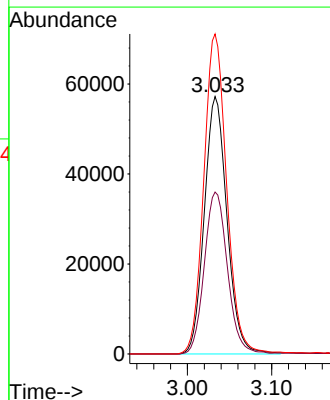
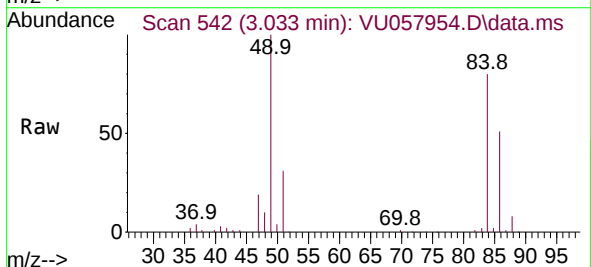
Instrument :
MSVOA_U
ClientSampleId :

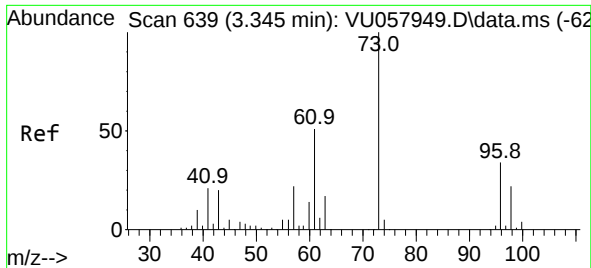
Tgt Ion: 43 Resp: 106760
Ion Ratio Lower Upper
43 100
74 22.9 18.6 27.8



#16
Methylene chloride
Concen: 45.709 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion: 84 Resp: 107347
Ion Ratio Lower Upper
84 100
86 62.9 45.1 83.7
49 124.3 89.7 166.5

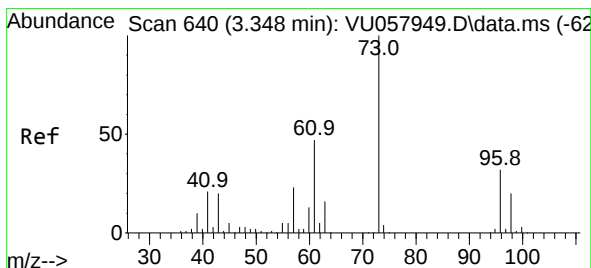
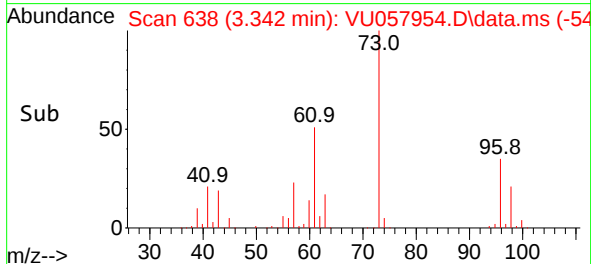
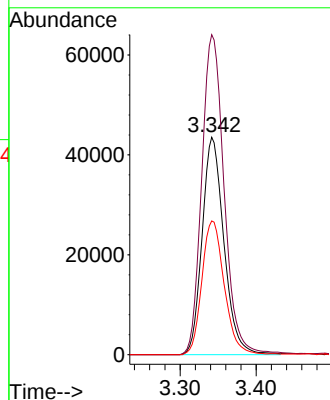
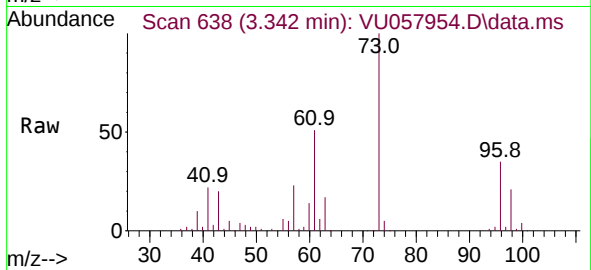




#17
trans-1,2-Dichloroethene
Concen: 46.474 ug/L
RT: 3.342 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

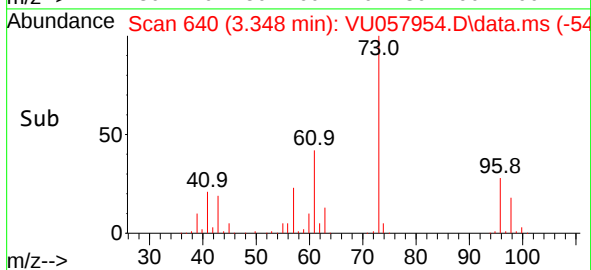
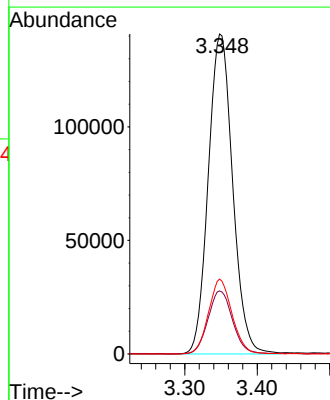
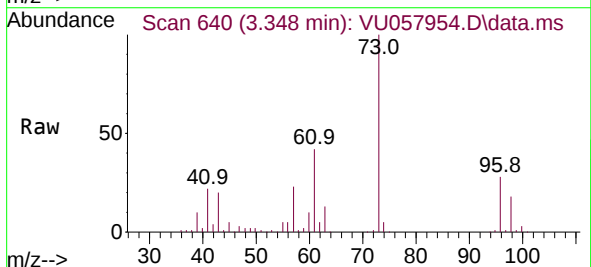
Instrument :
MSVOA_U
ClientSampleId :

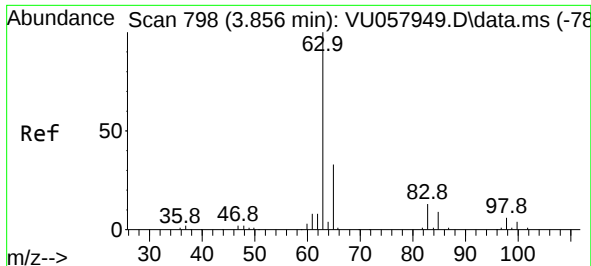
Tgt Ion: 96 Resp: 86877
Ion Ratio Lower Upper
96 100
61 147.2 106.3 197.3
98 61.6 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 50.502 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion: 73 Resp: 328677
Ion Ratio Lower Upper
73 100
43 19.9 16.0 24.0
57 22.6 17.8 26.6





#19

1,1-Dichloroethane

Concen: 48.472 ug/L

RT: 3.856 min Scan# 798

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

ClientSampleId :

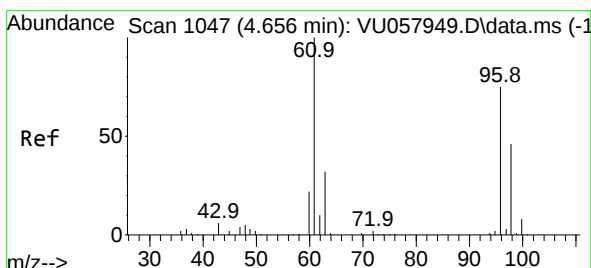
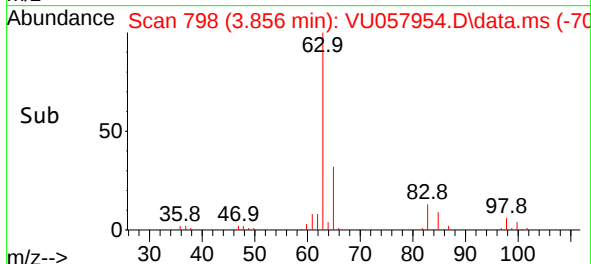
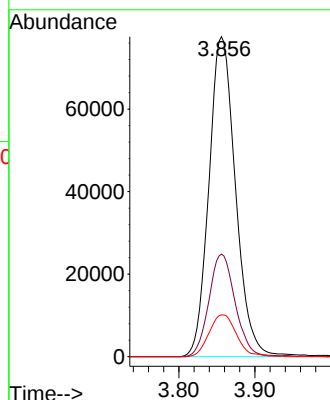
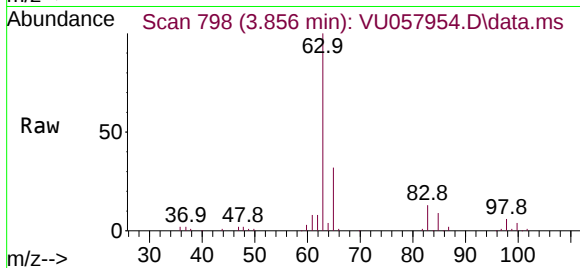
Tgt Ion: 63 Resp: 187864

Ion Ratio Lower Upper

63 100

65 32.1 21.7 40.3

83 13.1 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 48.765 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

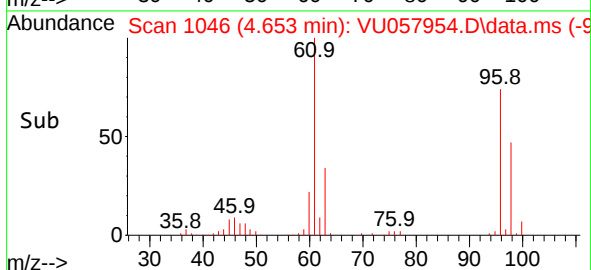
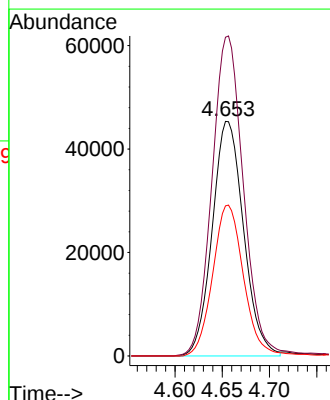
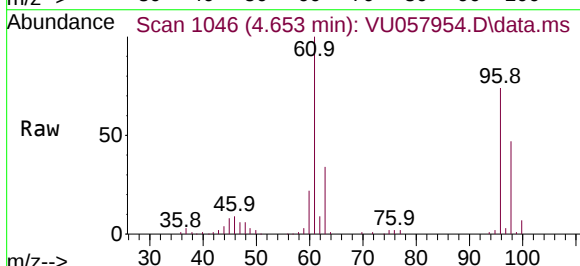
Tgt Ion: 96 Resp: 104576

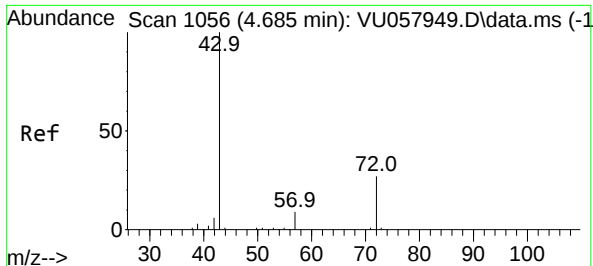
Ion Ratio Lower Upper

96 100

61 135.8 96.7 179.7

98 64.0 44.3 82.3

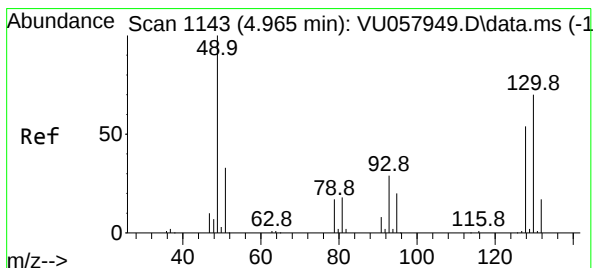
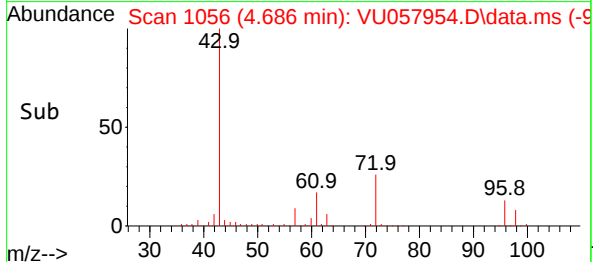
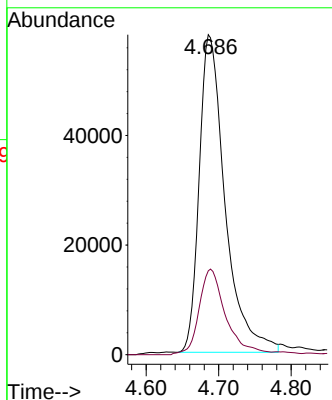
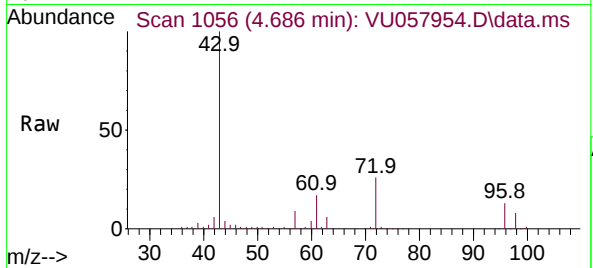




#22
2-Butanone
Concen: 93.768 ug/L
RT: 4.686 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

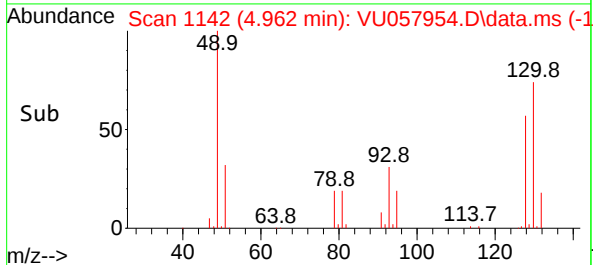
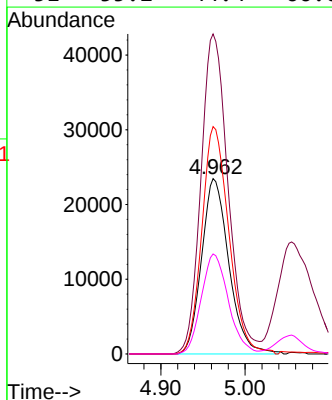
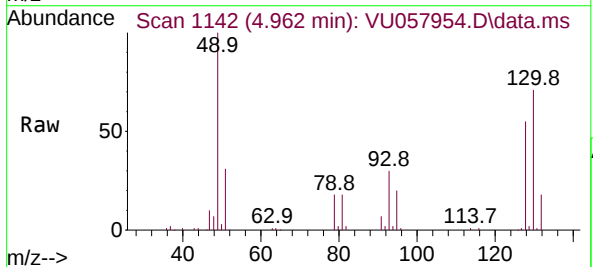
Instrument :
MSVOA_U
ClientSampleId :

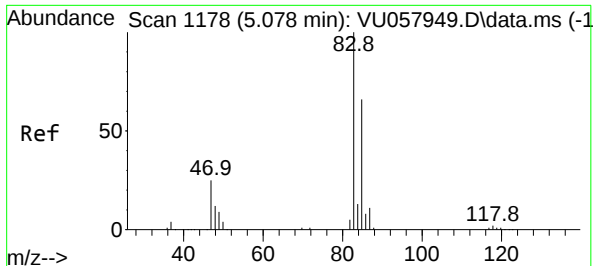
Tgt Ion: 43 Resp: 143989
Ion Ratio Lower Upper
43 100
72 27.6 13.8 41.3



#23
Bromochloromethane
Concen: 50.711 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion:128 Resp: 52838
Ion Ratio Lower Upper
128 100
49 176.7 124.0 230.4
130 127.6 87.8 163.0
51 55.2 44.4 66.6





#25

Chloroform

Concen: 50.263 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

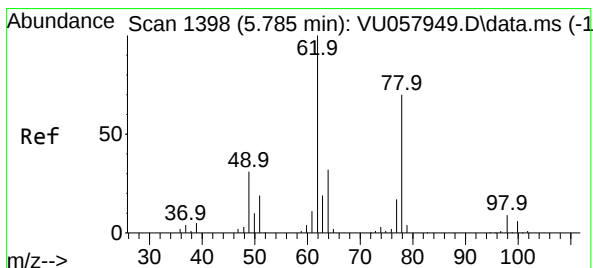
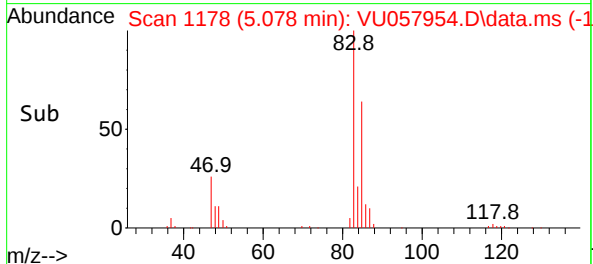
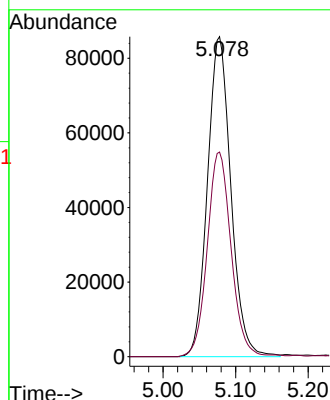
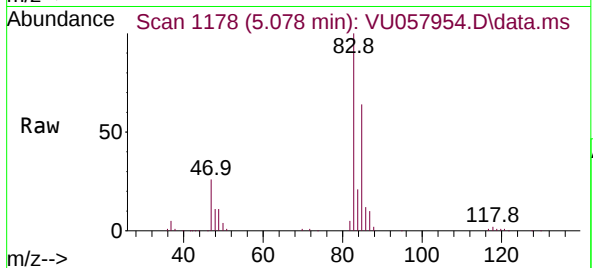
ClientSampleId :

Tgt Ion: 83 Resp: 192342

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 50.751 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057954.D

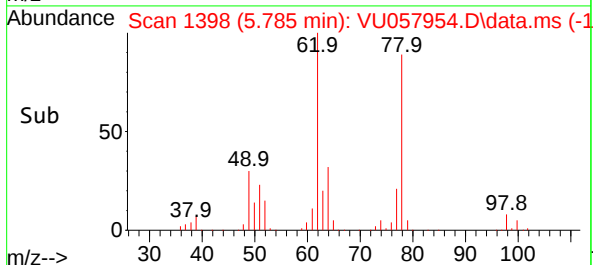
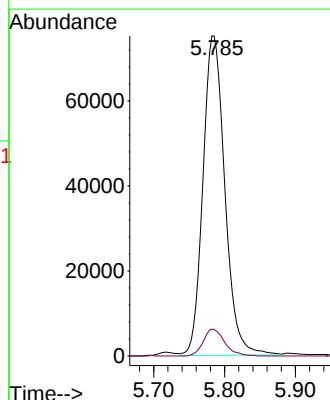
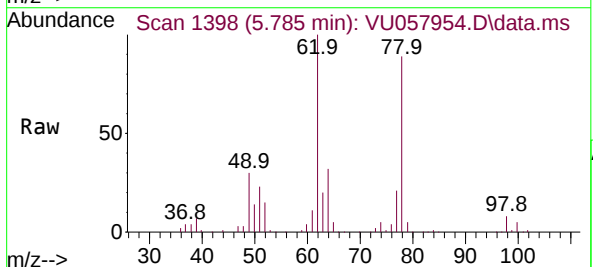
Acq: 27 Feb 2024 14:45

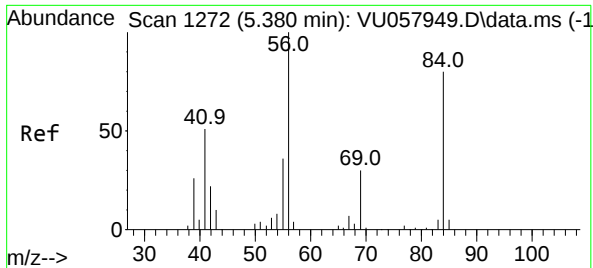
Tgt Ion: 62 Resp: 161594

Ion Ratio Lower Upper

62 100

98 8.3 7.1 10.7

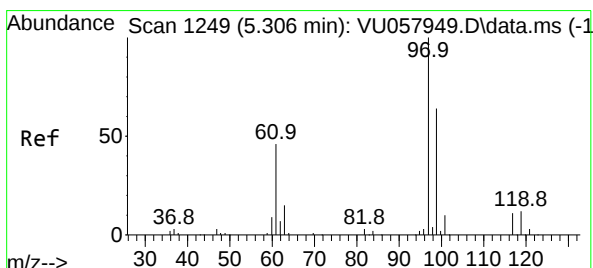
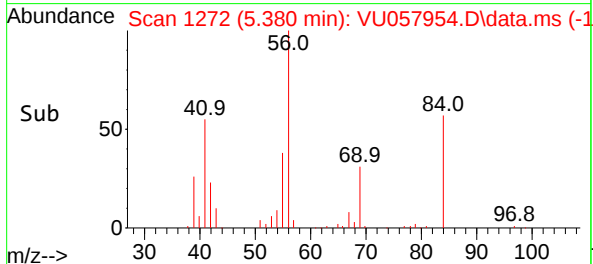
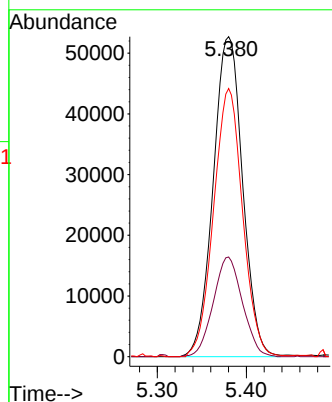
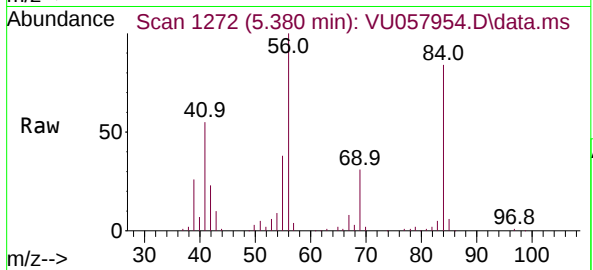




#29
Cyclohexane
Concen: 33.580 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

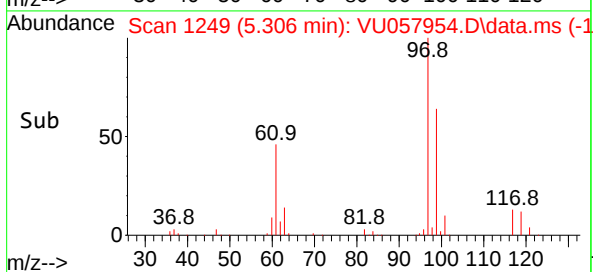
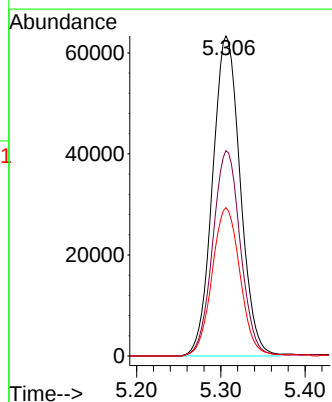
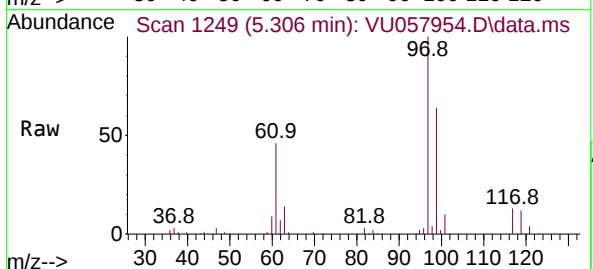
Instrument :
MSVOA_U
ClientSampleId :

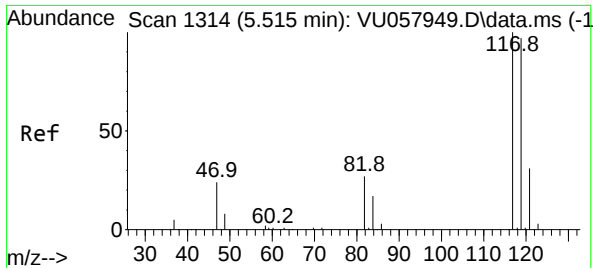
Tgt Ion:	56	Resp:	121031
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	36.8
84	82.5	66.9	100.3



#30
1,1,1-Trichloroethane
Concen: 43.760 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion:	97	Resp:	144414
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	46.9	36.8	55.2

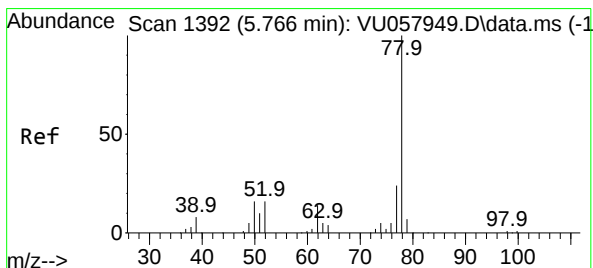
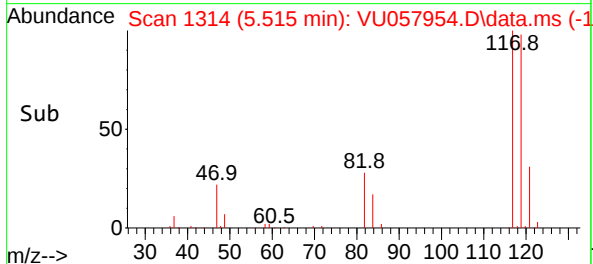
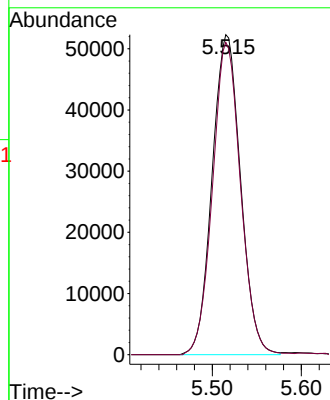
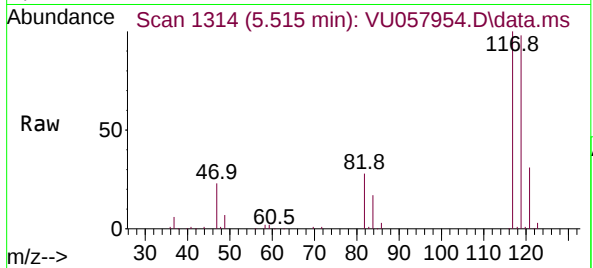




#31
Carbon tetrachloride
Concen: 40.857 ug/L
RT: 5.515 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

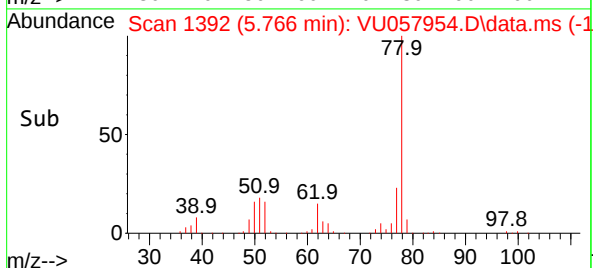
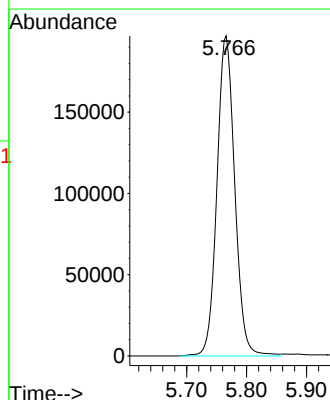
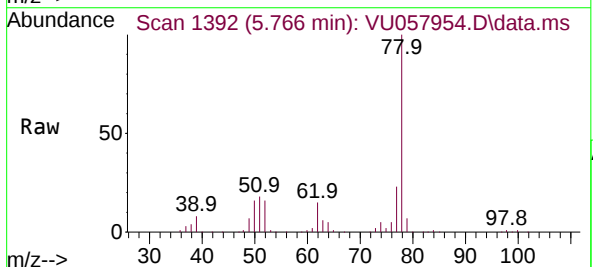
Instrument :
MSVOA_U
ClientSampleId :

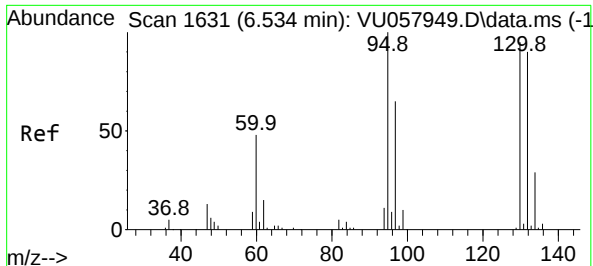
Tgt Ion:117 Resp: 115788
Ion Ratio Lower Upper
117 100
119 96.1 75.9 113.9



#33
Benzene
Concen: 47.402 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

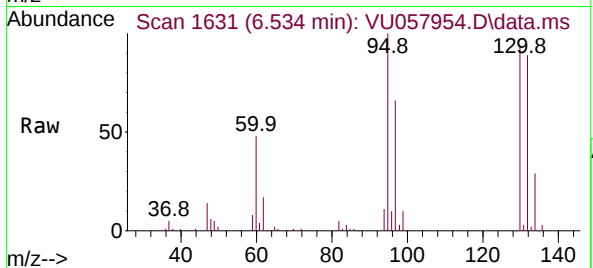
Tgt Ion: 78 Resp: 404880





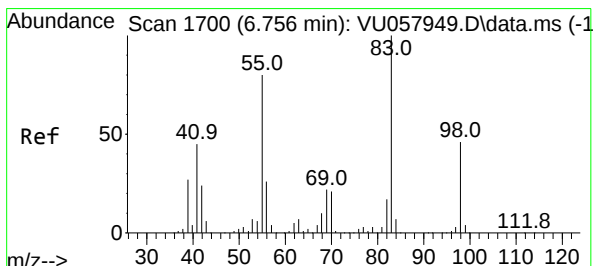
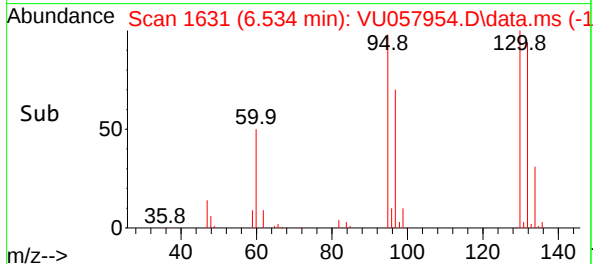
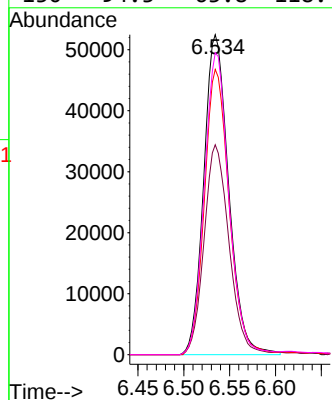
#34
Trichloroethene
Concen: 45.259 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 99372

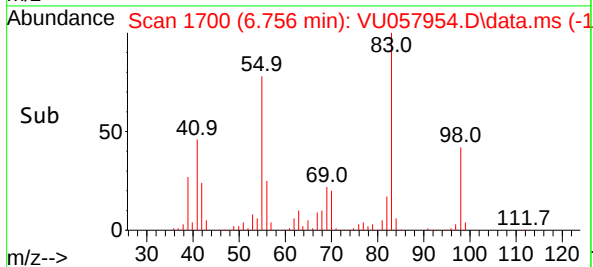
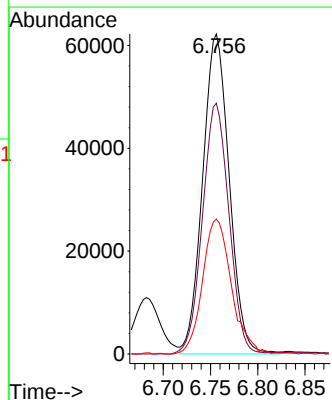
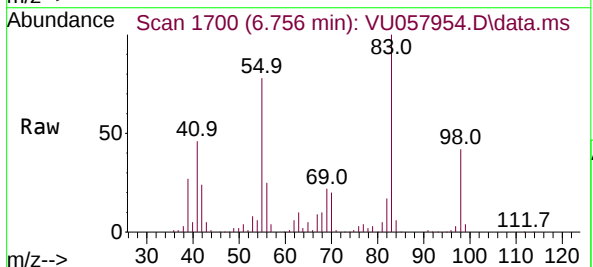
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.2	82.2
132	89.1	61.4	114.0
130	94.3	63.8	118.4

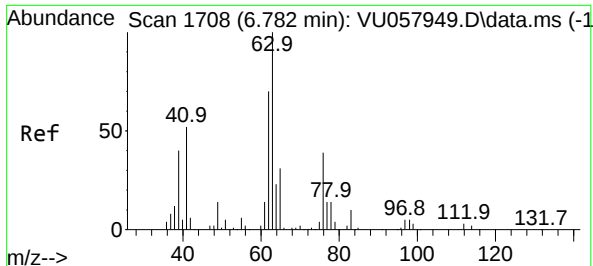


#35
Methylcyclohexane
Concen: 34.189 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion: 83 Resp: 121961

Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.7	94.1
98	45.2	36.3	54.5





#37

1,2-Dichloropropane

Concen: 48.524 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

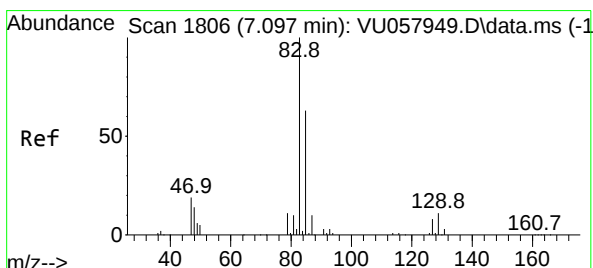
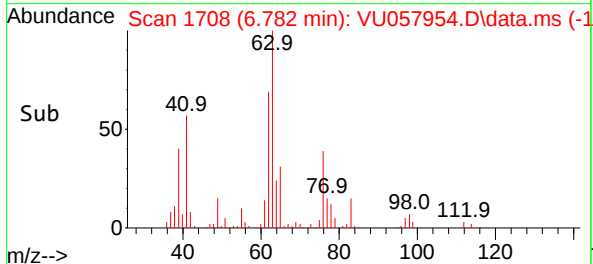
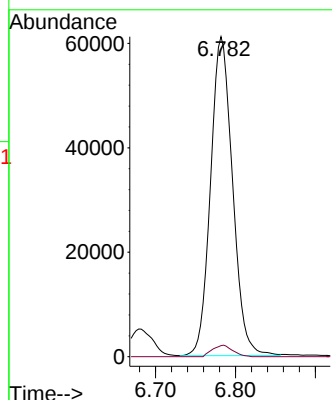
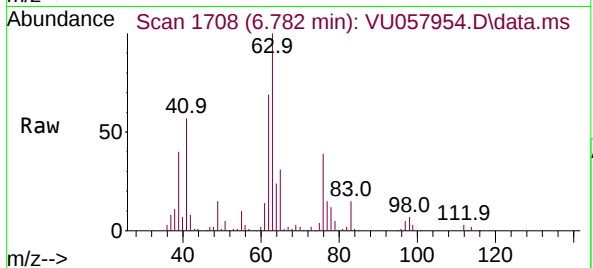
ClientSampleId :

Tgt Ion: 63 Resp: 116950

Ion Ratio Lower Upper

63 100

112 3.3 2.9 4.3



#38

Bromodichloromethane

Concen: 50.783 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

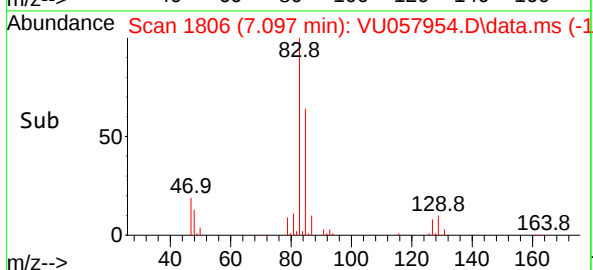
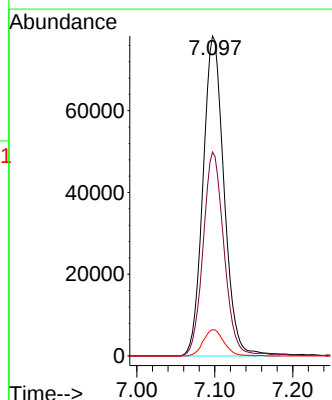
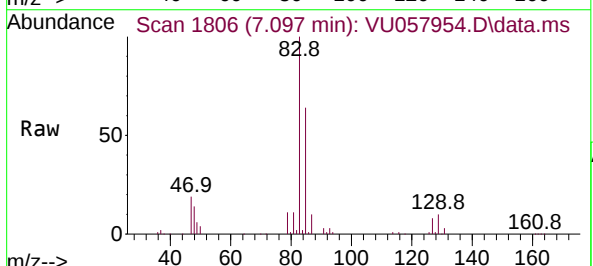
Tgt Ion: 83 Resp: 146977

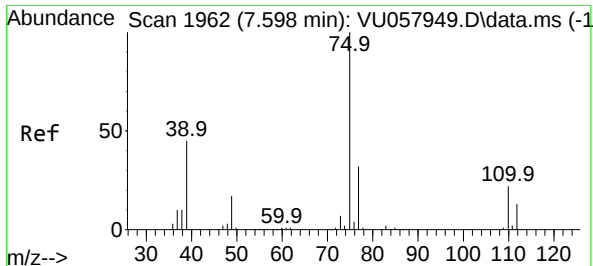
Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.4

127 8.2 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 48.782 ug/L

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

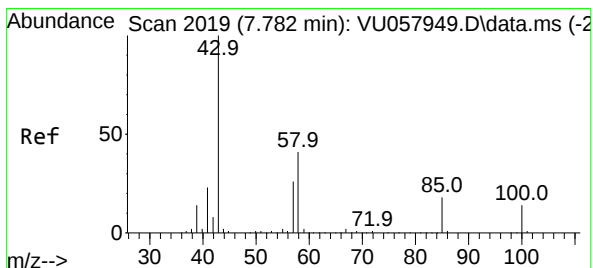
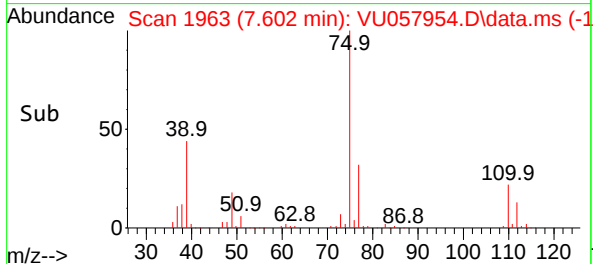
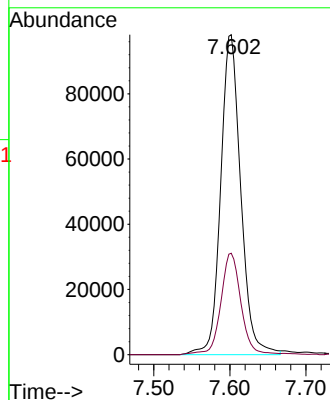
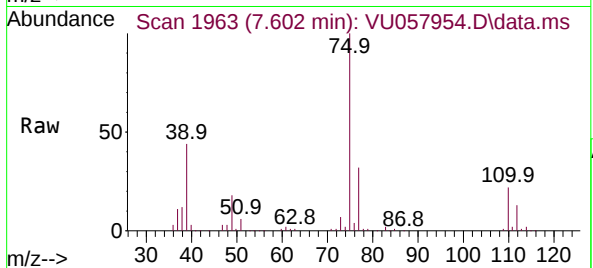
ClientSampleId :

Tgt Ion: 75 Resp: 179674

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 98.381 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

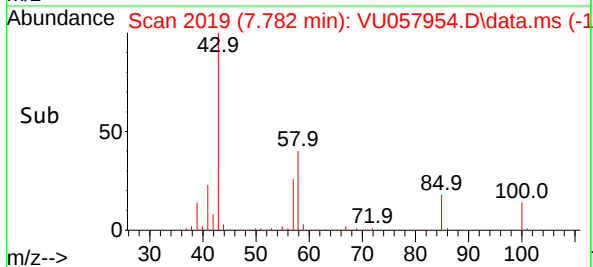
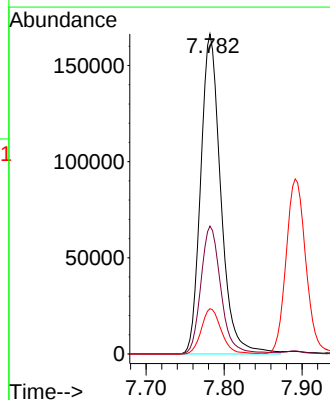
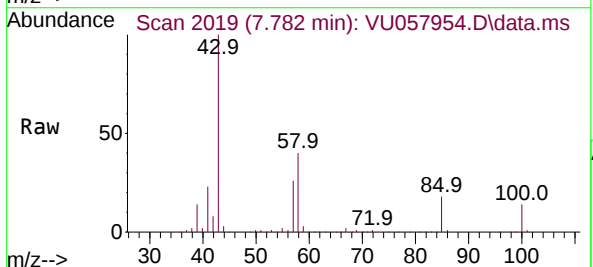
Tgt Ion: 43 Resp: 298472

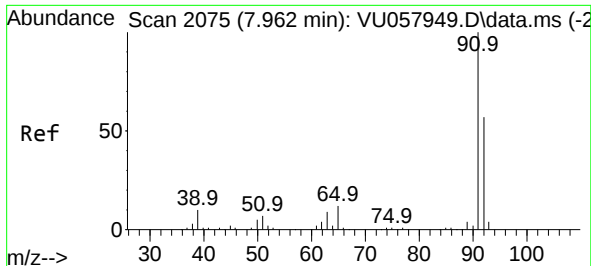
Ion Ratio Lower Upper

43 100

58 39.5 32.3 48.5

100 14.0 11.4 17.0





#42

Toluene

Concen: 46.275 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

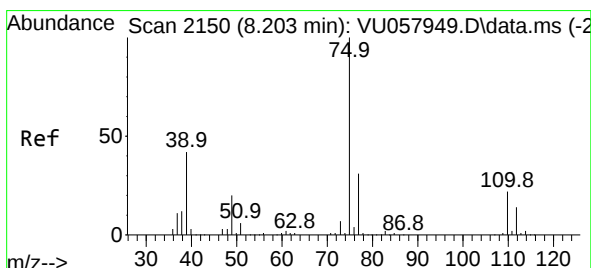
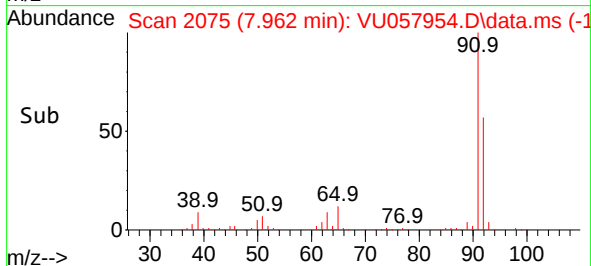
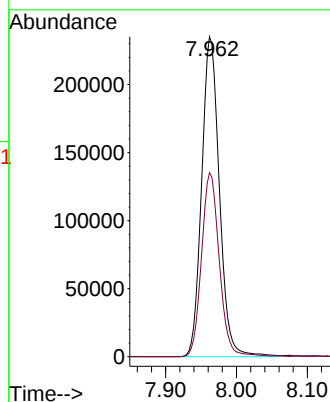
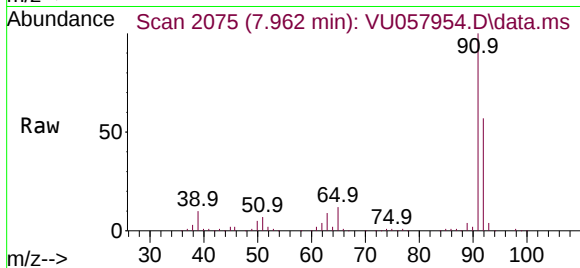
ClientSampleId :

Tgt Ion: 91 Resp: 409064

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 49.032 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057954.D

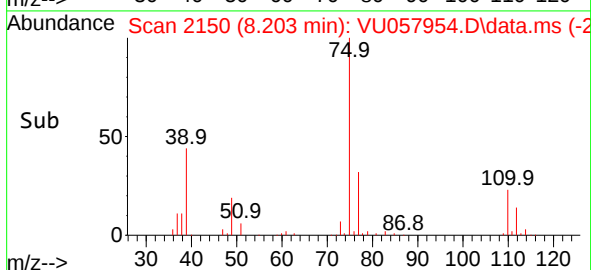
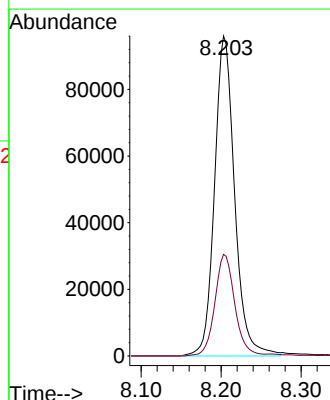
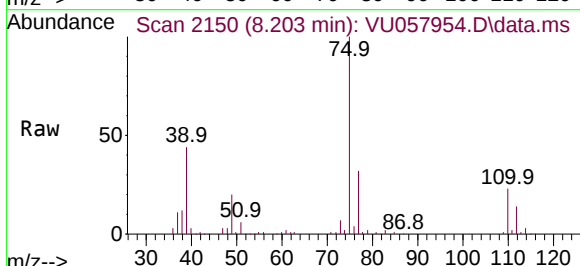
Acq: 27 Feb 2024 14:45

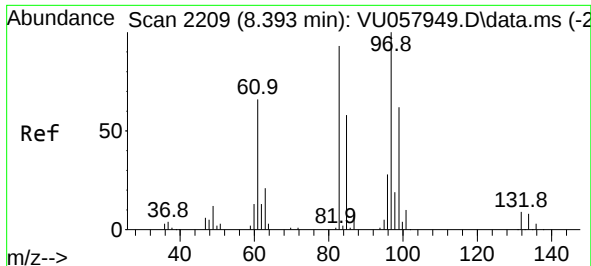
Tgt Ion: 75 Resp: 167591

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4



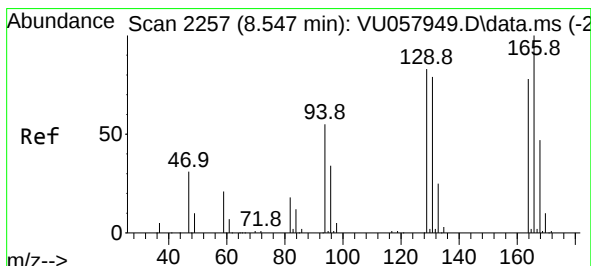
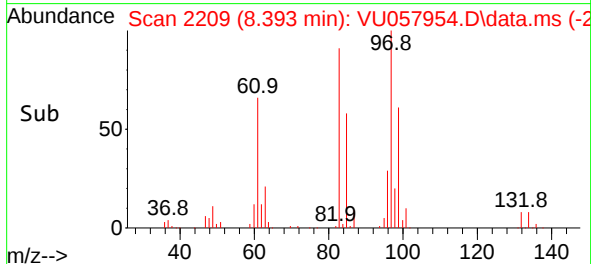
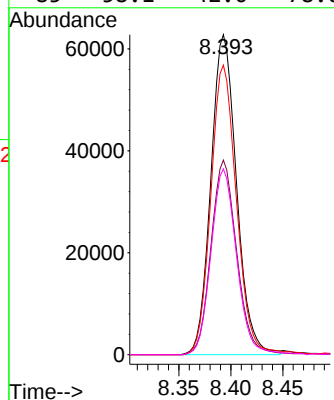
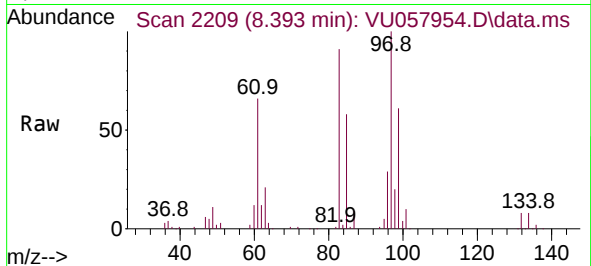


#45
1,1,2-Trichloroethane
Concen: 50.403 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 107937

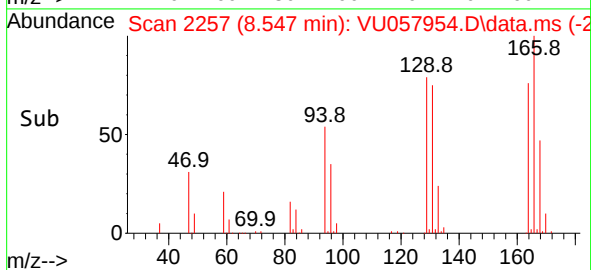
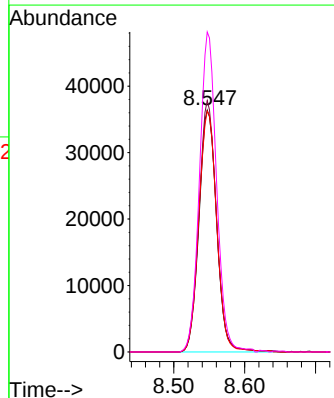
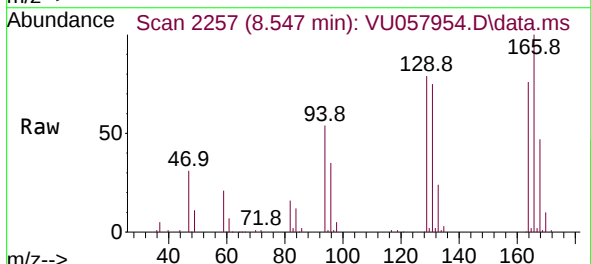
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.0	80.0
83	90.5	65.0	120.6
85	58.1	42.0	78.0

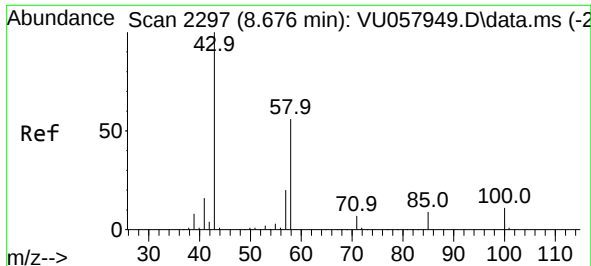


#46
Tetrachloroethene
Concen: 41.919 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion: 164 Resp: 63340

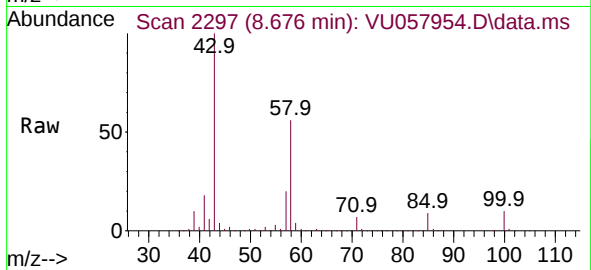
Ion	Ratio	Lower	Upper
164	100		
129	106.2	74.1	137.7
131	99.6	72.0	133.6
166	132.3	91.6	170.0



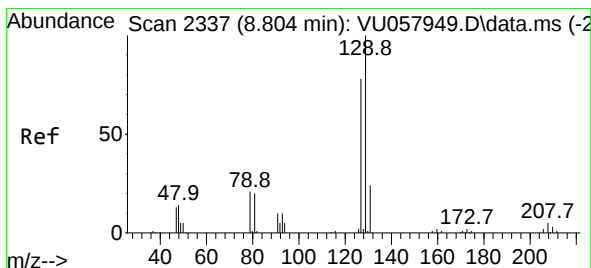
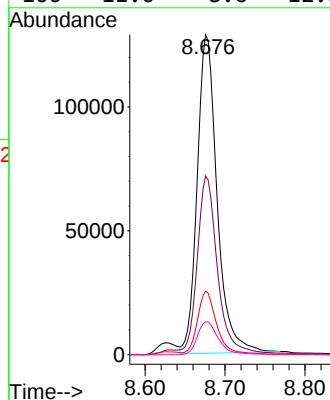
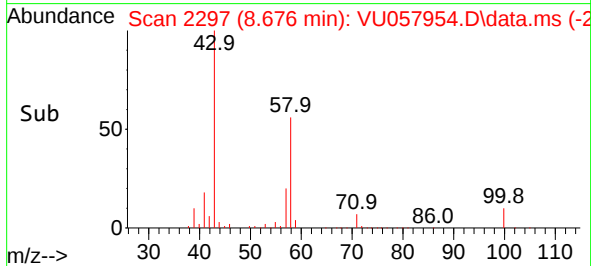


#48
2-Hexanone
Concen: 90.157 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Instrument :
MSVOA_U
ClientSampleId :

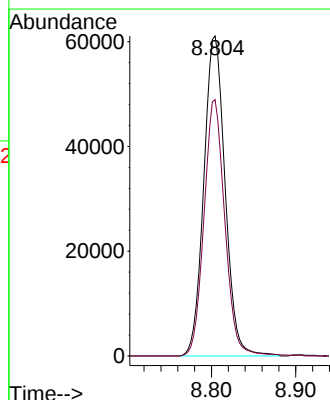
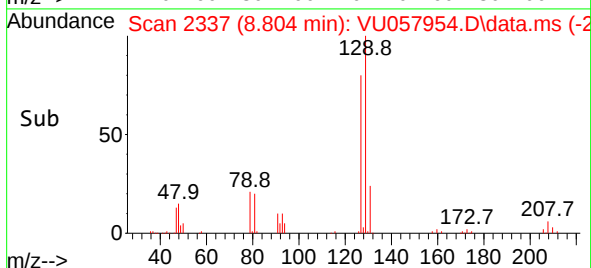
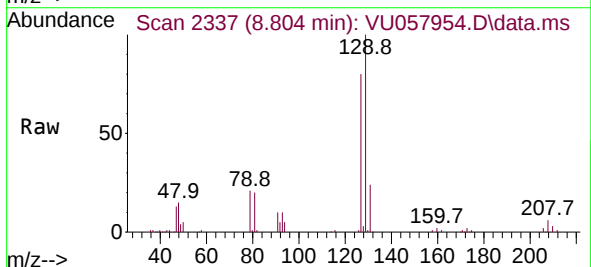


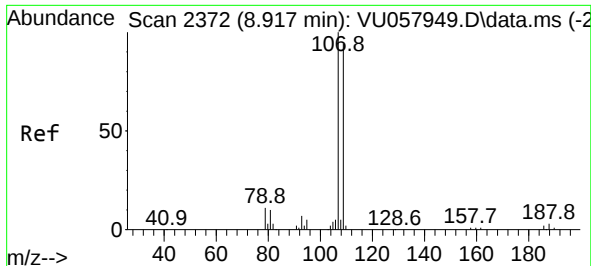
Tgt Ion: 43 Resp: 223253
Ion Ratio Lower Upper
43 100
58 55.9 43.8 65.8
57 18.9 15.5 23.3
100 11.0 8.6 12.8



#49
Dibromochloromethane
Concen: 50.462 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion: 129 Resp: 107618
Ion Ratio Lower Upper
129 100
127 80.1 53.3 99.1





#50

1,2-Dibromoethane

Concen: 50.168 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

ClientSampleId :

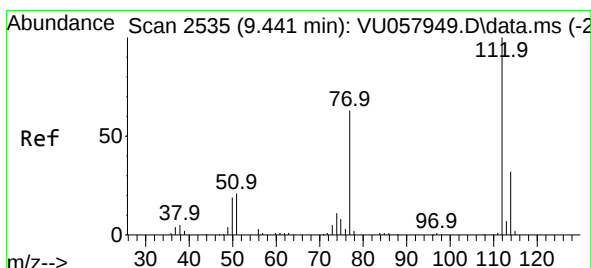
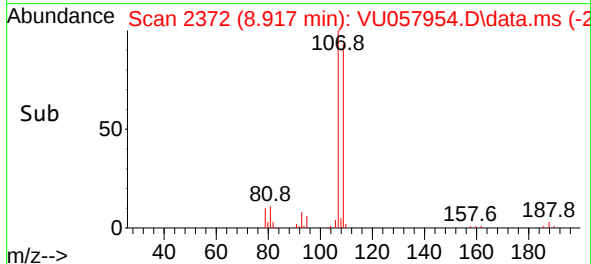
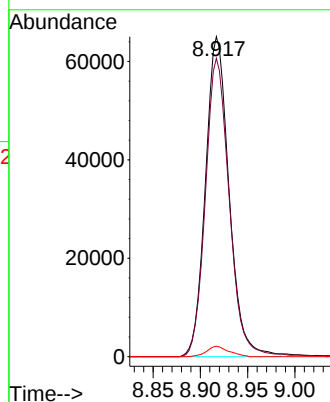
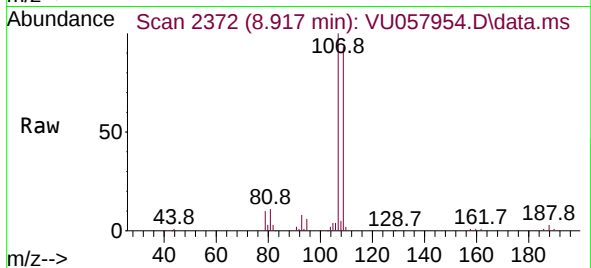
Tgt Ion:107 Resp: 113119

Ion Ratio Lower Upper

107 100

109 93.2 66.1 122.8

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 45.903 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

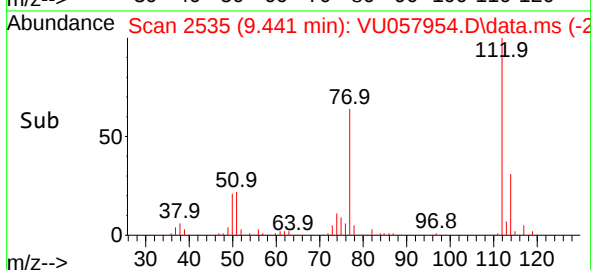
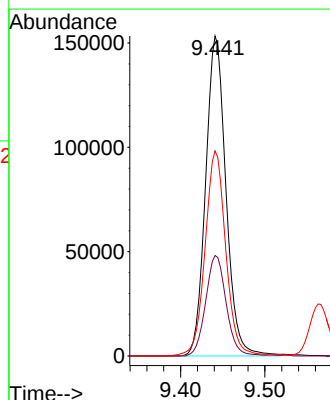
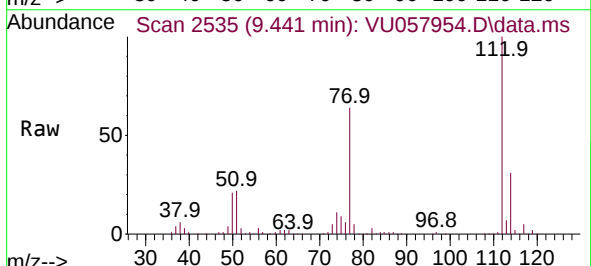
Tgt Ion:112 Resp: 258032

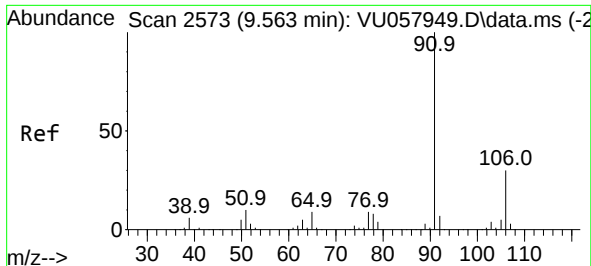
Ion Ratio Lower Upper

112 100

114 31.4 22.7 42.1

77 64.1 51.8 77.8

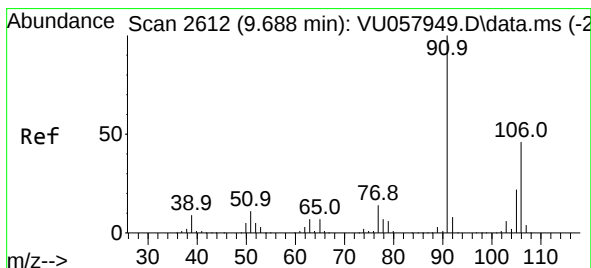
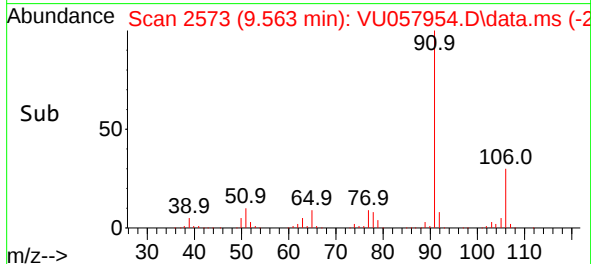
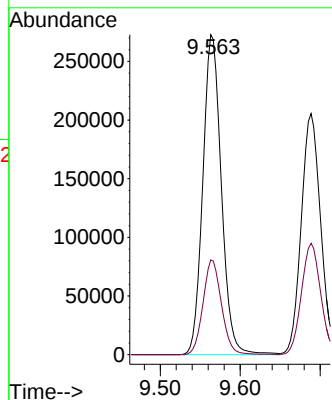
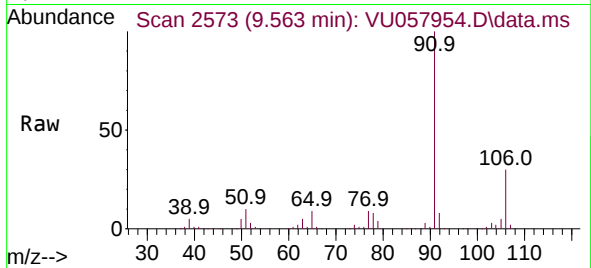




#52
Ethylbenzene
Concen: 44.469 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

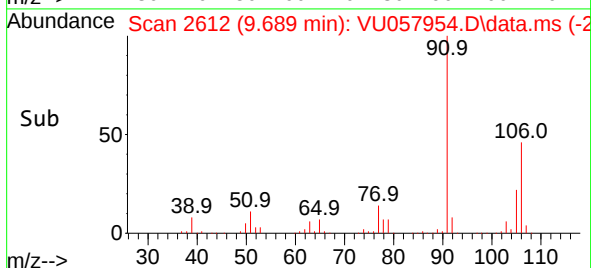
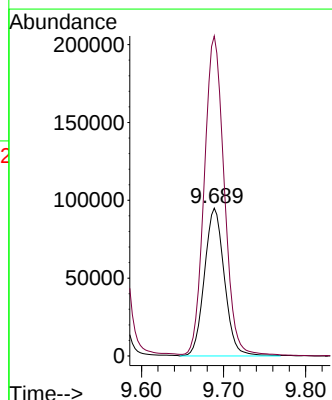
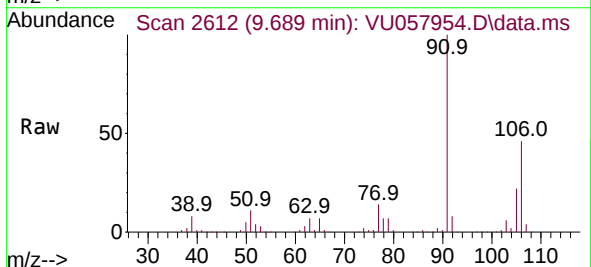
Instrument :
MSVOA_U
ClientSampleId :

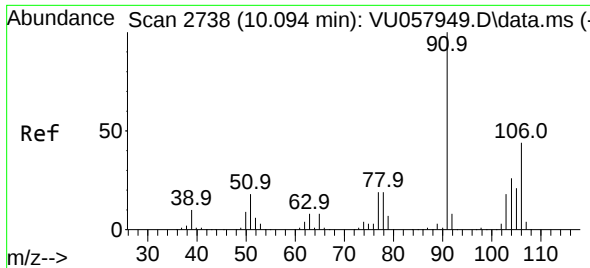
Tgt Ion: 91 Resp: 440778
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



#53
m,p-Xylene
Concen: 44.679 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion:106 Resp: 161055
Ion Ratio Lower Upper
106 100
91 216.5 150.2 279.0

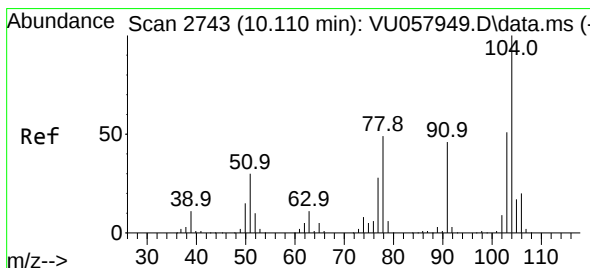
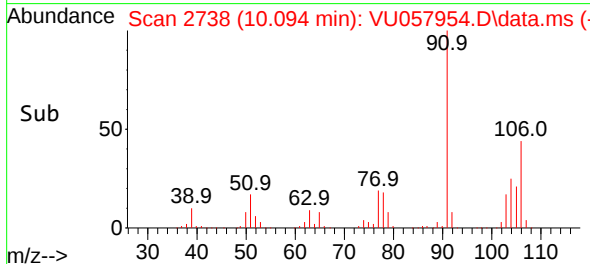
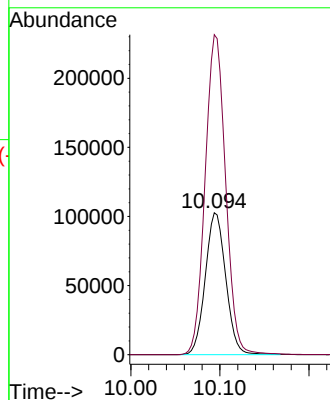
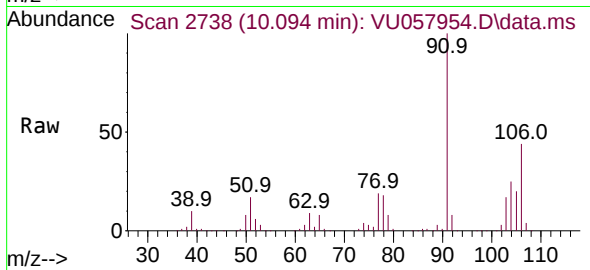




#54
o-Xylene
Concen: 46.053 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

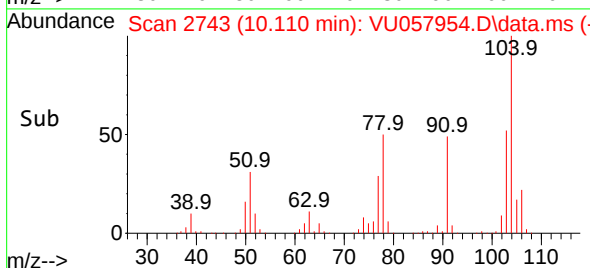
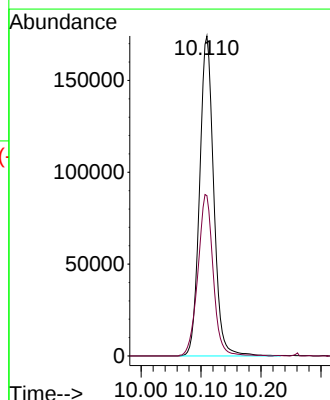
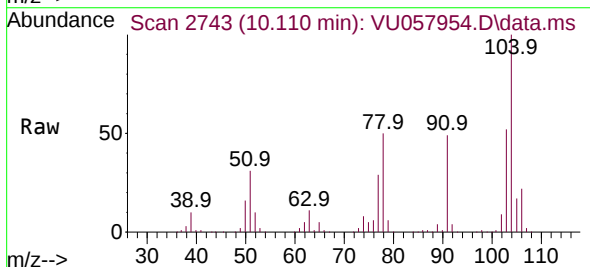
Instrument :
MSVOA_U
ClientSampleId :

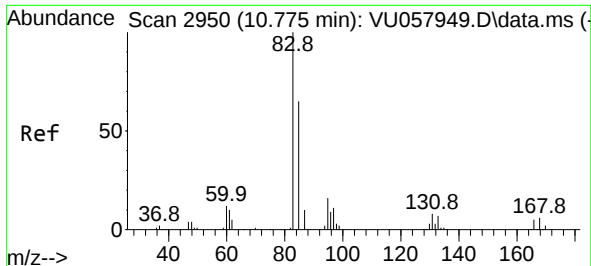
Tgt Ion:106 Resp: 164023
Ion Ratio Lower Upper
106 100
91 225.5 161.3 299.5



#55
Styrene
Concen: 46.838 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion:104 Resp: 286063
Ion Ratio Lower Upper
104 100
78 50.1 35.6 66.2

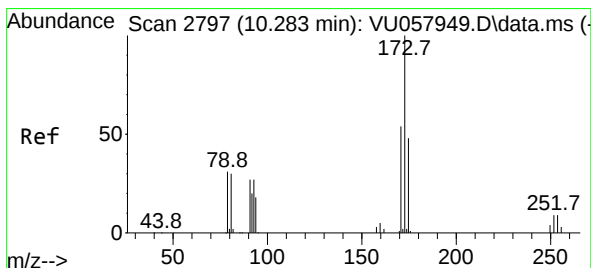
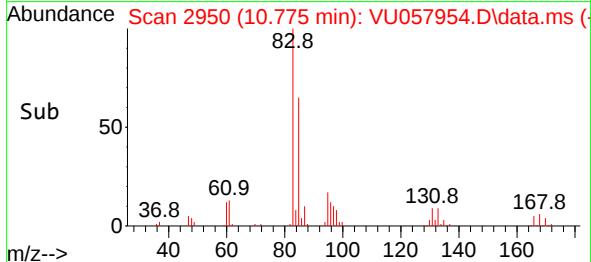
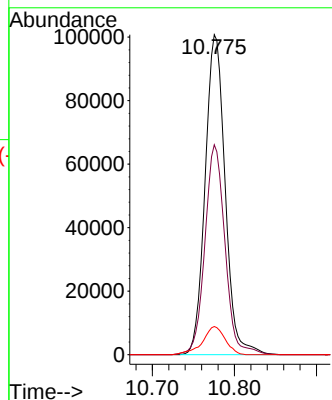
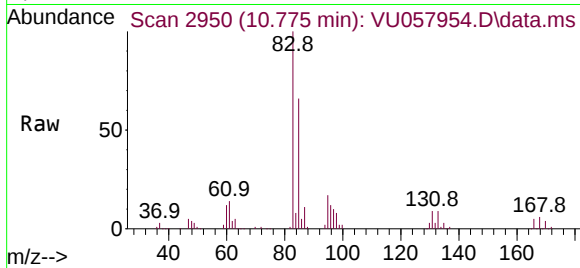




#57
1,1,2,2-Tetrachloroethane
Concen: 46.764 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

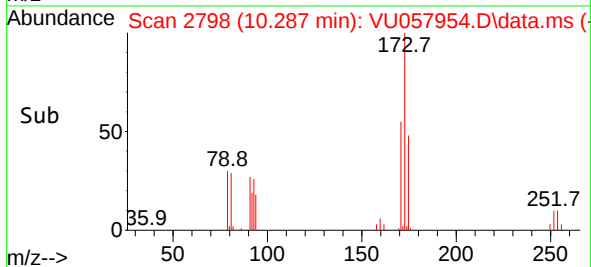
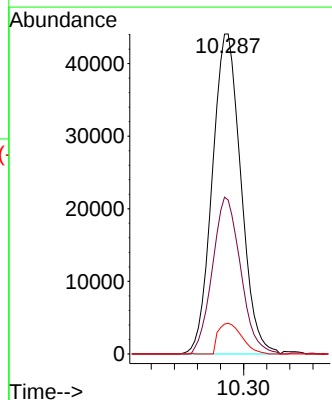
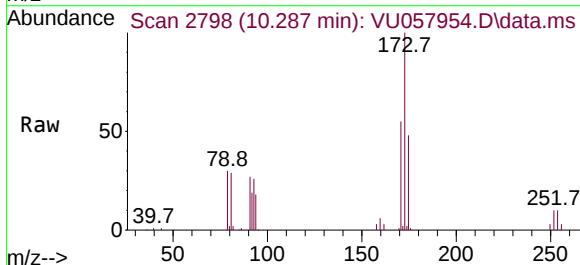
Instrument :
MSVOA_U
ClientSampleId :

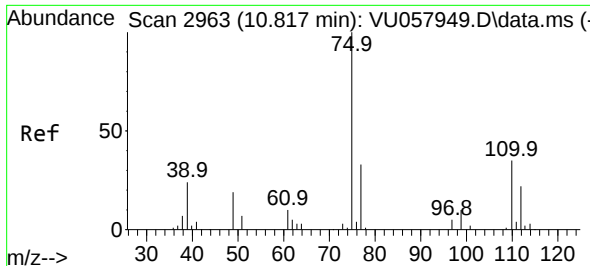
Tgt Ion: 83 Resp: 170600
Ion Ratio Lower Upper
83 100
85 65.6 45.2 84.0
131 8.8 7.8 11.6



#59
Bromoform
Concen: 51.234 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion:173 Resp: 75798
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
254 8.0 1.0 1.6#

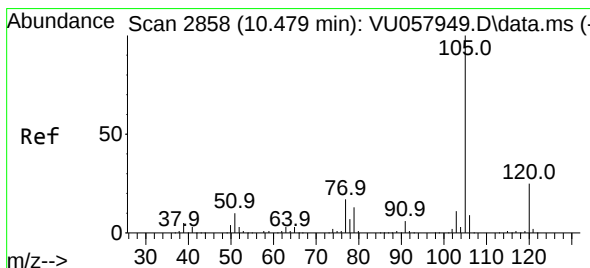
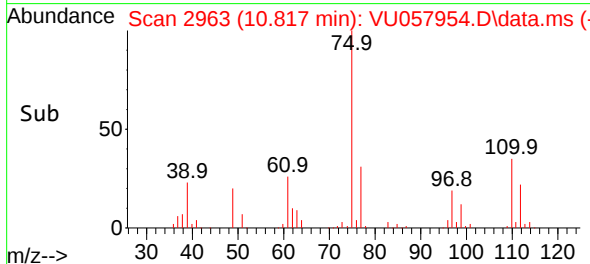
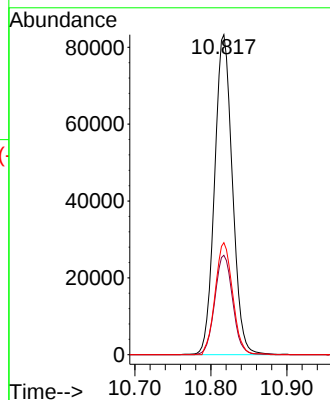
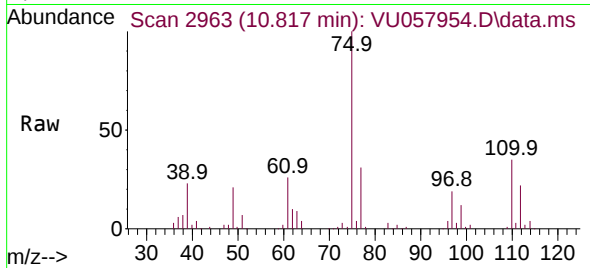




#60
 1,2,3-Trichloropropane
 Concen: 48.486 ug/L
 RT: 10.817 min Scan# 2963
 Delta R.T. 0.000 min
 Lab File: VU057954.D
 Acq: 27 Feb 2024 14:45

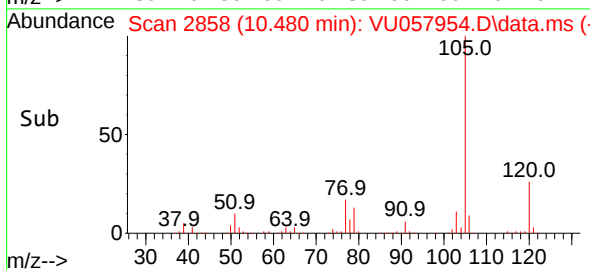
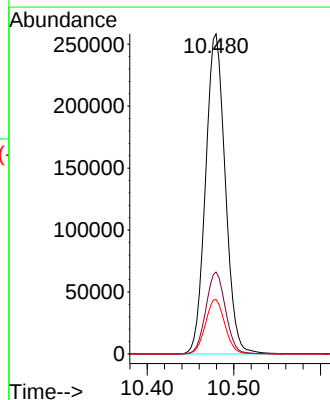
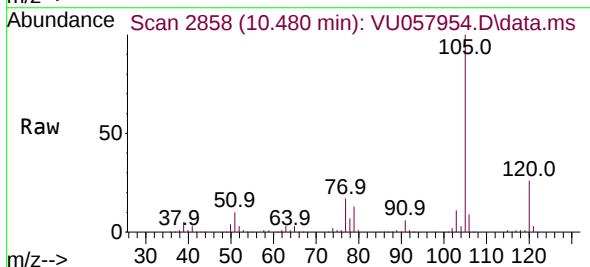
Instrument :
 MSVOA_U
 ClientSampleId :

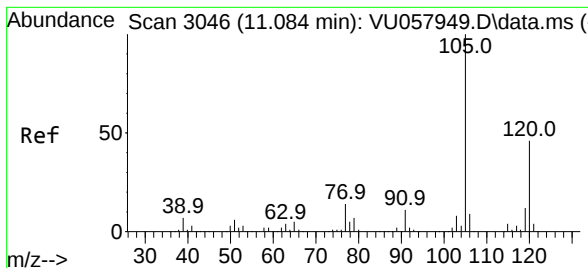
Tgt Ion: 75 Resp: 135386
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.9 38.9
 110 34.3 28.3 42.5



#61
 Isopropylbenzene
 Concen: 43.324 ug/L
 RT: 10.480 min Scan# 2858
 Delta R.T. 0.000 min
 Lab File: VU057954.D
 Acq: 27 Feb 2024 14:45

Tgt Ion: 105 Resp: 408053
 Ion Ratio Lower Upper
 105 100
 120 25.5 20.5 30.7
 77 16.8 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 42.819 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

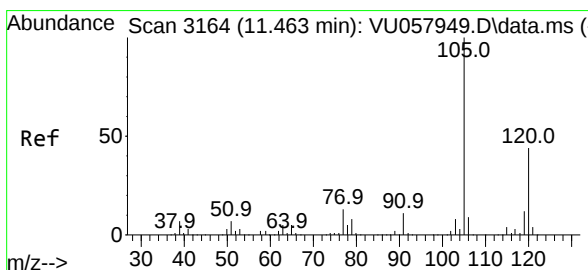
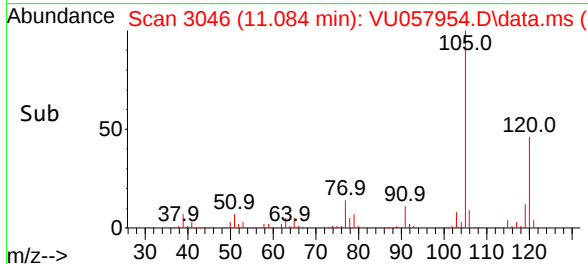
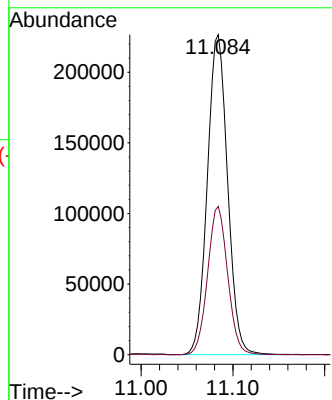
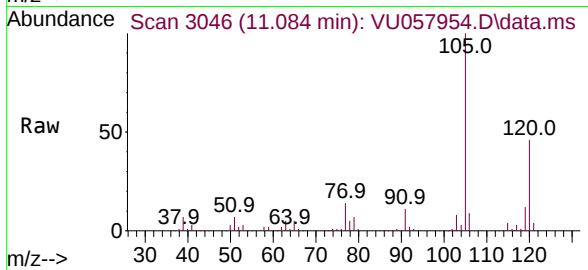
ClientSampleId :

Tgt Ion:105 Resp: 347463

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 43.068 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057954.D

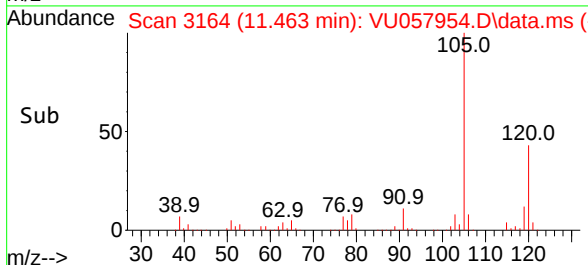
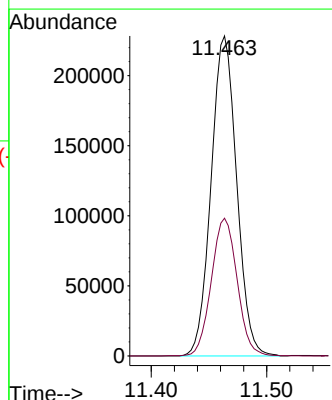
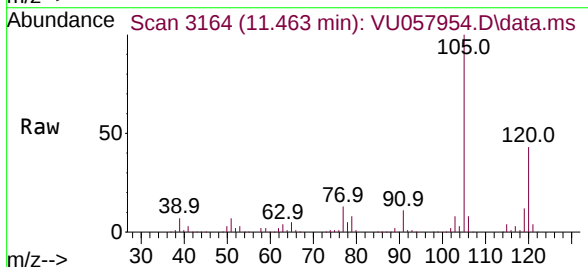
Acq: 27 Feb 2024 14:45

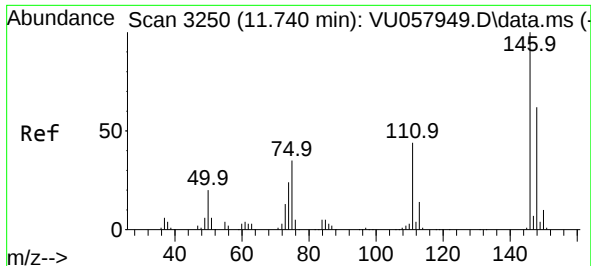
Tgt Ion:105 Resp: 351176

Ion Ratio Lower Upper

105 100

120 43.4 34.8 52.2

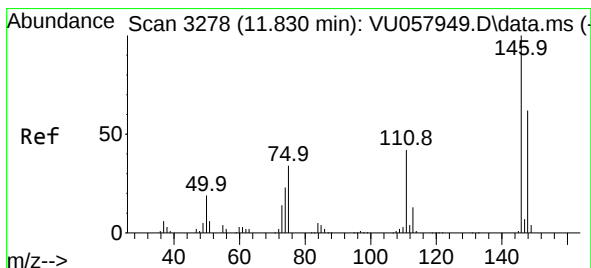
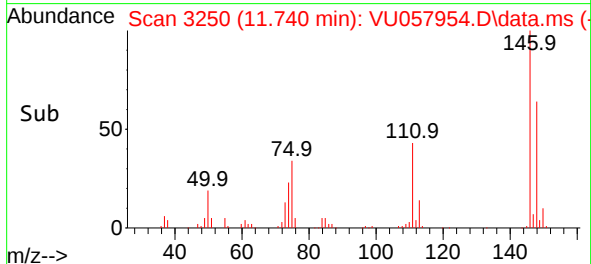
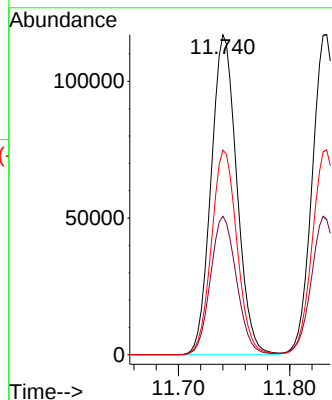
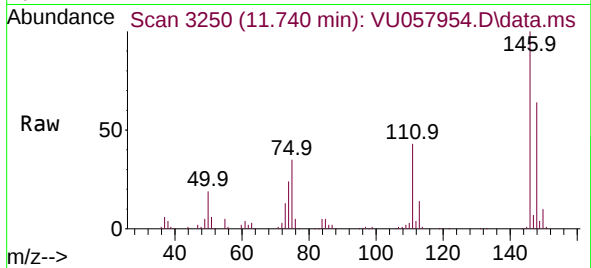




#64
1,3-Dichlorobenzene
Concen: 45.075 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

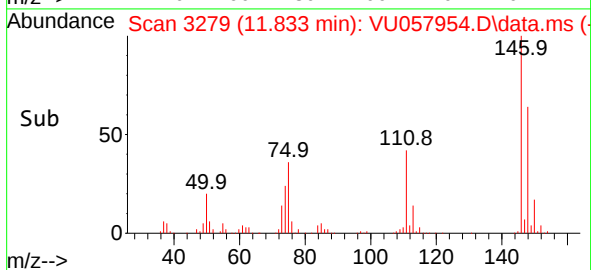
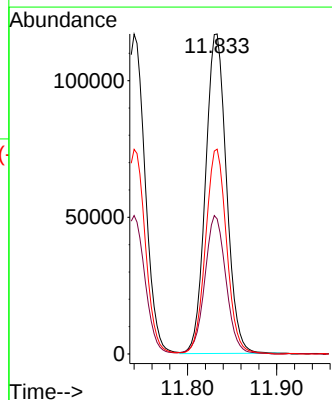
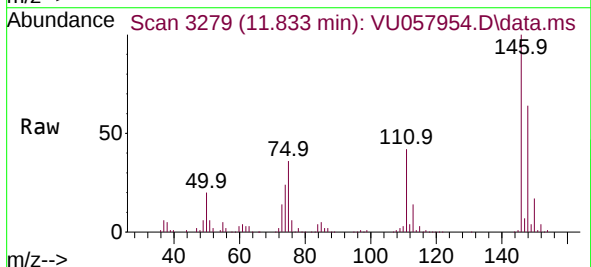
Instrument :
MSVOA_U
ClientSampleId :

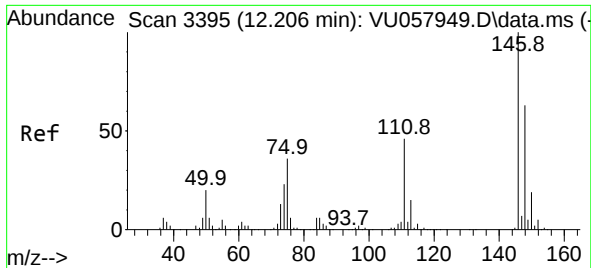
Tgt Ion:146 Resp: 187717
Ion Ratio Lower Upper
146 100
111 43.3 31.6 58.6
148 67.9 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 45.027 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057954.D
Acq: 27 Feb 2024 14:45

Tgt Ion:146 Resp: 191024
Ion Ratio Lower Upper
146 100
111 42.2 29.9 55.5
148 64.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 45.692 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

ClientSampleId :

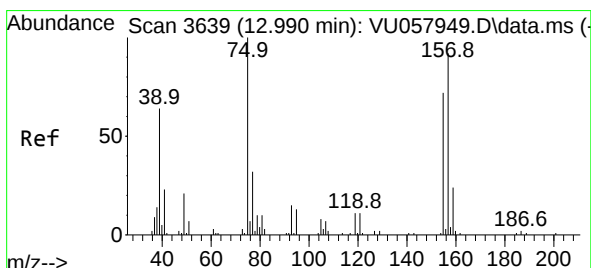
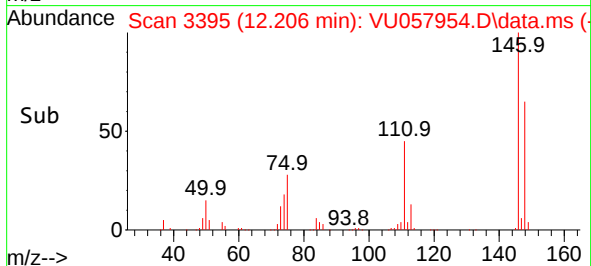
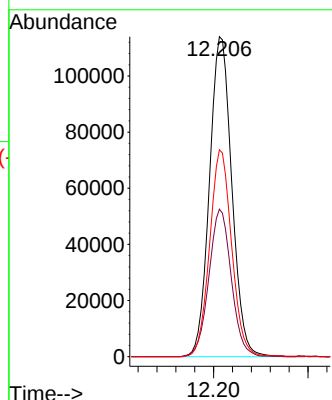
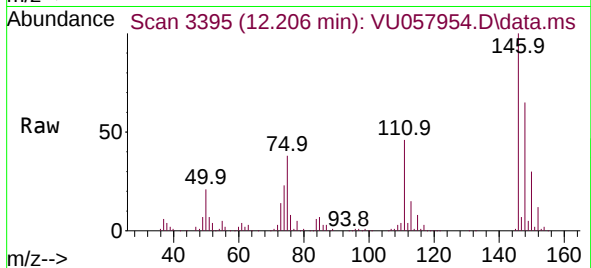
Tgt Ion:146 Resp: 187206

Ion Ratio Lower Upper

146 100

111 43.2 37.3 55.9

148 60.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 51.338 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

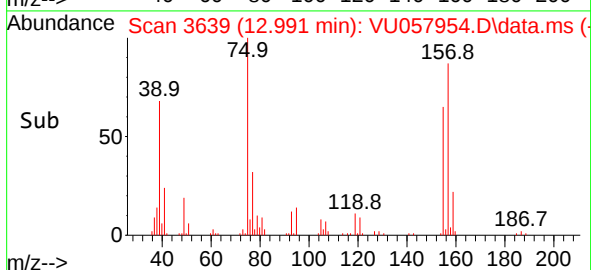
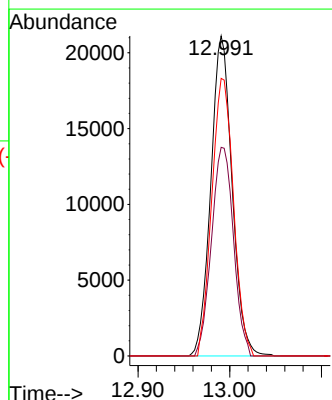
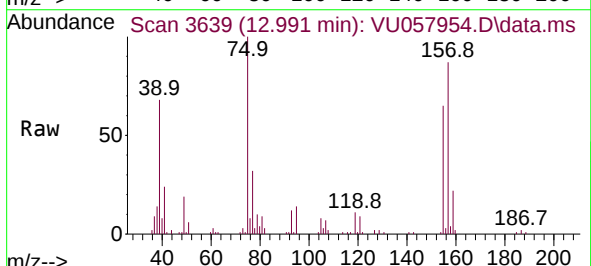
Tgt Ion: 75 Resp: 34035

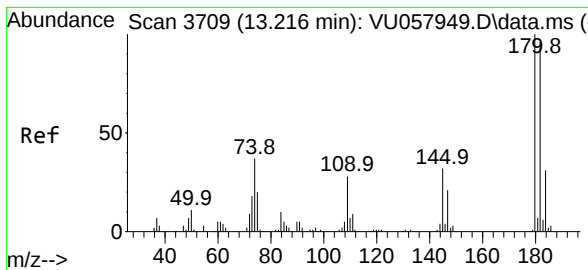
Ion Ratio Lower Upper

75 100

155 68.5 63.2 94.8

157 90.9 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 44.321 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

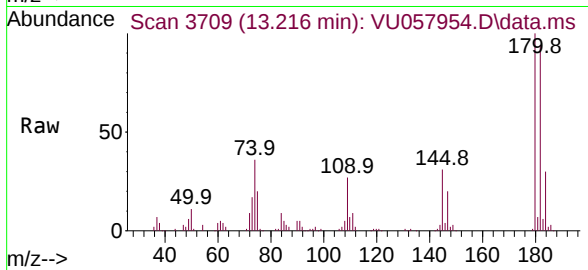
Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 124144

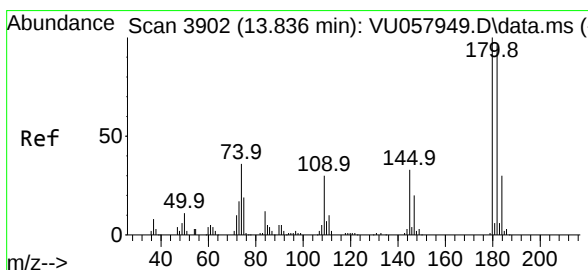
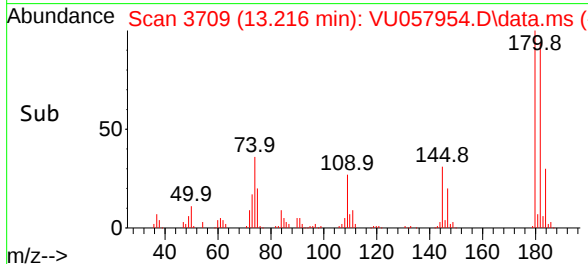
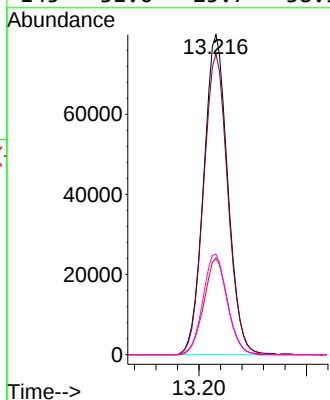
Ion Ratio Lower Upper

180 100

182 94.6 77.6 116.4

184 29.8 24.1 36.1

145 31.6 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 48.420 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

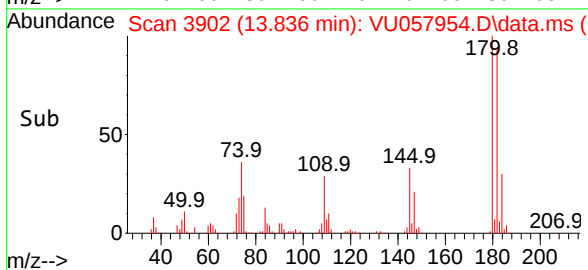
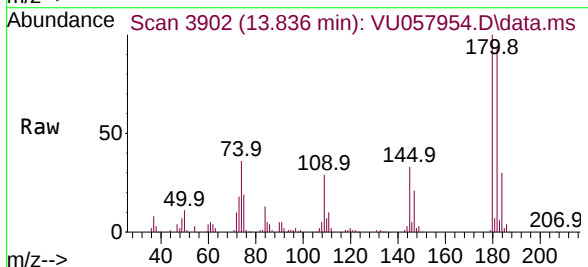
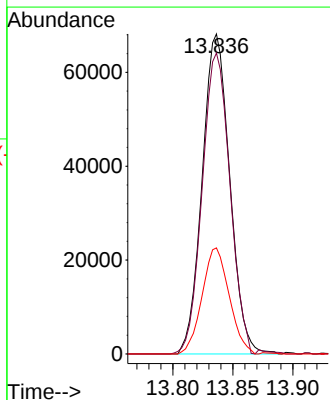
Tgt Ion:180 Resp: 109196

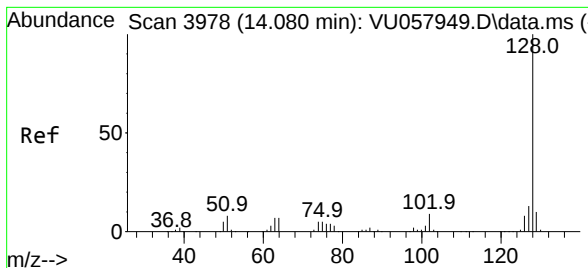
Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

145 32.6 25.9 38.9





#71

Naphthalene

Concen: 50.298 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Instrument :

MSVOA_U

ClientSampleId :

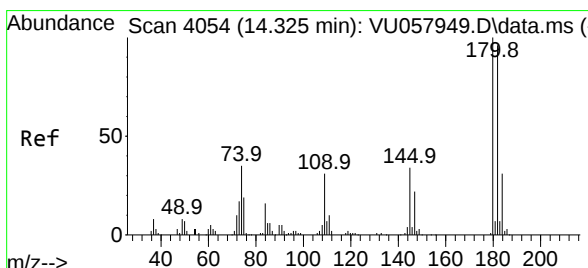
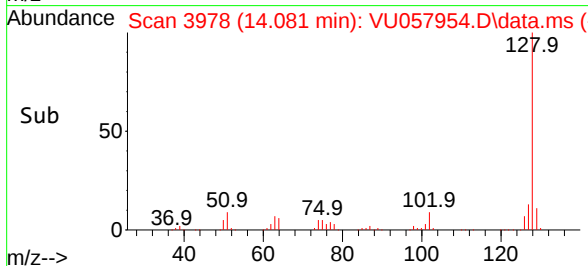
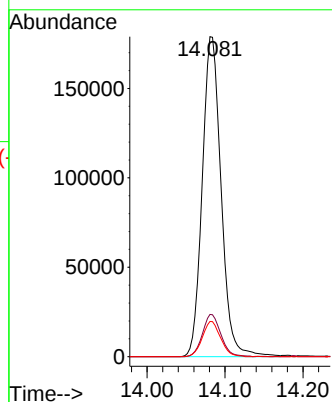
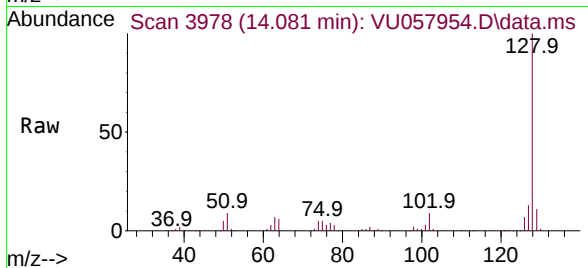
Tgt Ion:128 Resp: 301223

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.391 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057954.D

Acq: 27 Feb 2024 14:45

Tgt Ion:180 Resp: 104379

Ion Ratio Lower Upper

180 100

182 94.6 75.4 113.2

145 33.6 27.8 41.8

