

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022924\
 Data File : VU057965.D
 Acq On : 29 Feb 2024 09:40
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 01 05:02:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 05:01:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	160236	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	144636	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65446	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	5303	0.564	ug/L	0.00
7) Chloroethane-d5	1.904	69	4181	0.531	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	2229	0.511	ug/L	0.00
20) 2-Butanone-d5	4.743	46	286	0.166	ug/L	0.14
24) Chloroform-d	5.055	84	9550	0.507	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	4047	0.474	ug/L	0.00
32) Benzene-d6	5.721	84	18810	0.528	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	5876	0.544	ug/L	0.00
41) Toluene-d8	7.894	98	16985	0.505	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	1847	0.442	ug/L	0.00
46) 2-Hexanone-d5	8.640	63	4335	3.214	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.753	84	3334	0.468	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	4804	0.507	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	4401	0.341	ug/L	95
3) Chloromethane	1.512	50	5471	0.413	ug/L	94
5) Vinyl chloride	1.596	62	5472	0.386	ug/L	89
6) Bromomethane	1.850	94	2883	0.388	ug/L	89
8) Chloroethane	1.924	64	3461	0.401	ug/L	99
9) Trichlorofluoromethane	2.129	101	7839	0.376	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4791	0.391	ug/L	97
12) 1,1-Dichloroethene	2.573	96	4356	0.384	ug/L	91
13) Acetone	2.621	43	5887	3.740	ug/L	92
14) Carbon disulfide	2.785	76	14125	0.388	ug/L	99
15) Methyl Acetate	2.962	43	1127	0.282	ug/L #	61
16) Methylene chloride	3.036	84	6467	0.528	ug/L	97
17) Methyl tert-butyl Ether	3.348	73	10057	0.376	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	5030	0.421	ug/L	89
19) 1,1-Dichloroethane	3.862	63	9134	0.406	ug/L	98
21) 2-Butanone	4.718	43	6207	2.520	ug/L #	69
22) cis-1,2-Dichloroethene	4.657	96	5121	0.396	ug/L	96
23) Bromochloromethane	4.972	128	1742	0.341	ug/L	89
25) Chloroform	5.075	83	9729	0.413	ug/L	97
27) 1,2-Dichloroethane	5.792	62	4756	0.349	ug/L #	88
29) 1,1,1-Trichloroethane	5.306	97	7555	0.367	ug/L	95
30) Cyclohexane	5.377	56	7596	0.379	ug/L	98
31) Carbon tetrachloride	5.518	117	6834	0.379	ug/L	96
33) Benzene	5.766	78	20241	0.415	ug/L	100
34) Trichloroethene	6.538	95	5492	0.412	ug/L	95
35) Methylcyclohexane	6.756	83	7731	0.360	ug/L	98
37) 1,2-Dichloropropane	6.785	63	5132	0.418	ug/L #	89
38) Bromodichloromethane	7.100	83	6197	0.382	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	6448	0.345	ug/L	94
40) 4-Methyl-2-pentanone	7.788	43	19883	3.393	ug/L	99
42) Toluene	7.965	91	20281	0.388	ug/L	96
44) trans-1,3-Dichloropropene	8.213	75	5317	0.352	ug/L	96

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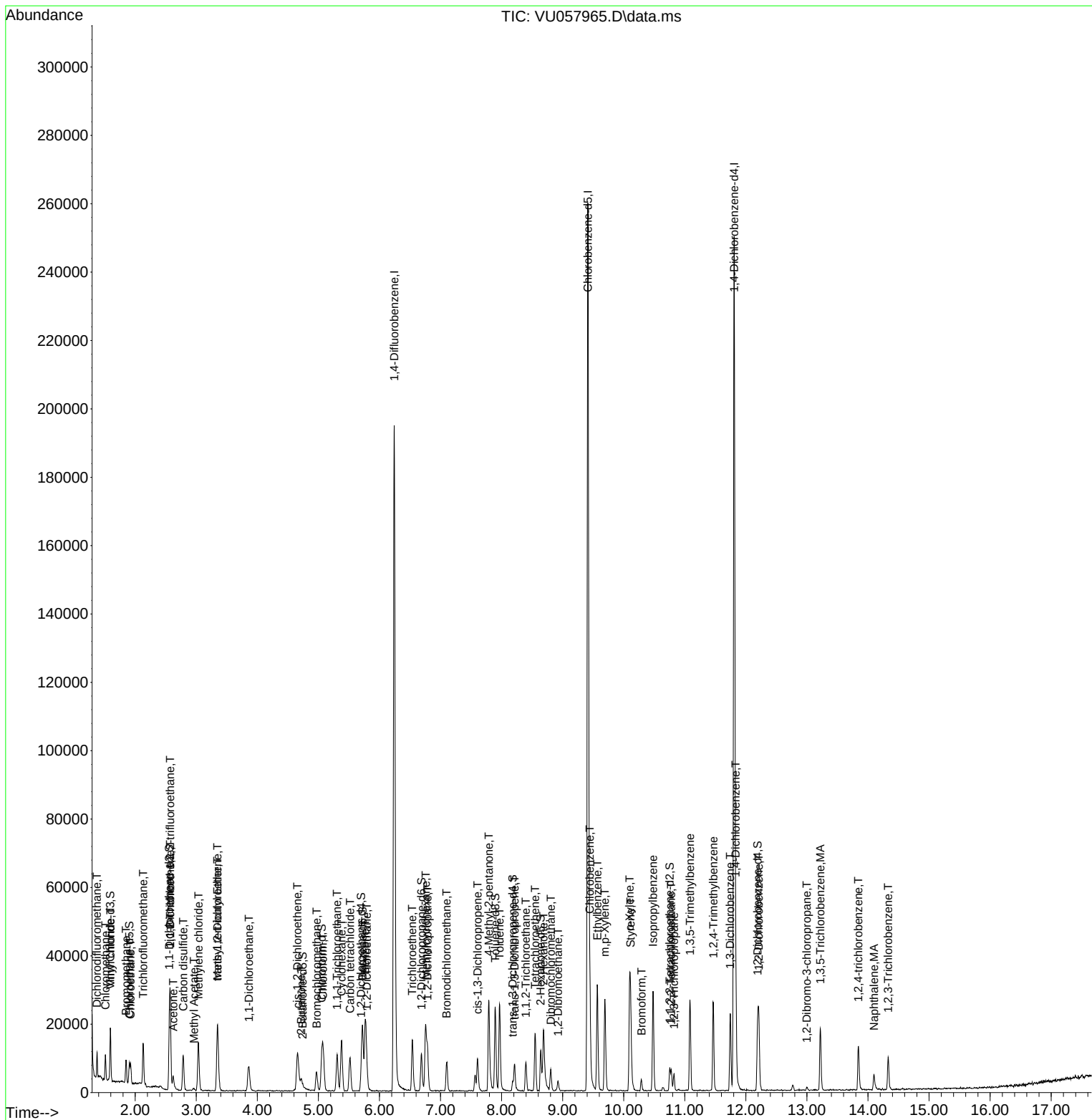
Quant Time: Mar 01 05:02:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 05:01:31 2024
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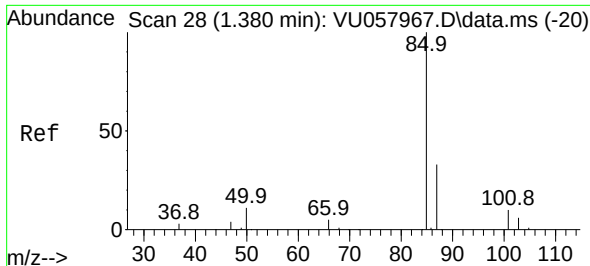
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	2997	0.382	ug/L	87
47) Tetrachloroethene	8.550	164	3611	0.373	ug/L	88
48) 2-Hexanone	8.685	43	12992	3.136	ug/L	94
49) Dibromochloromethane	8.804	129	3346	0.334	ug/L	91
50) 1,2-Dibromoethane	8.923	107	2304	0.306	ug/L #	91
51) Chlorobenzene	9.444	112	13279	0.406	ug/L	99
52) Ethylbenzene	9.566	91	22611	0.386	ug/L	99
53) m,p-Xylene	9.689	106	7629	0.352	ug/L	99
54) o-Xylene	10.097	106	7766	0.369	ug/L	94
55) Styrene	10.113	104	11645	0.358	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	3314	0.350	ug/L	91
59) Bromoform	10.290	173	1587	0.322	ug/L #	94
60) Isopropylbenzene	10.480	105	19723	0.394	ug/L	96
61) 1,2,3-Trichloropropane	10.824	75	2391	0.376	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	15863	0.361	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	14745	0.335	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	8925	0.394	ug/L	93
65) 1,4-Dichlorobenzene	11.833	146	9563	0.438	ug/L	99
67) 1,2-Dichlorobenzene	12.213	146	7863	0.389	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	192	0.163	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.219	180	6280	0.381	ug/L	99
70) 1,2,4-trichlorobenzene	13.843	180	4377	0.359	ug/L	98
71) Naphthalene	14.097	128	5128	0.299	ug/L #	90
72) 1,2,3-Trichlorobenzene	14.328	180	3539	0.372	ug/L	98

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

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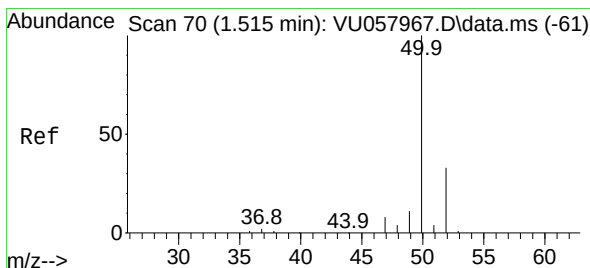
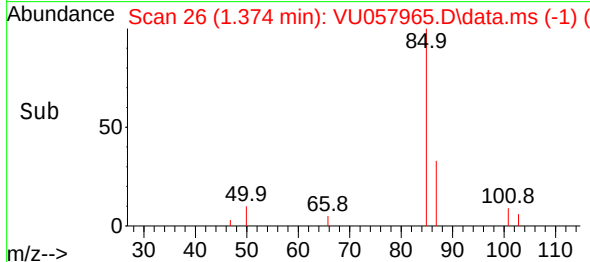
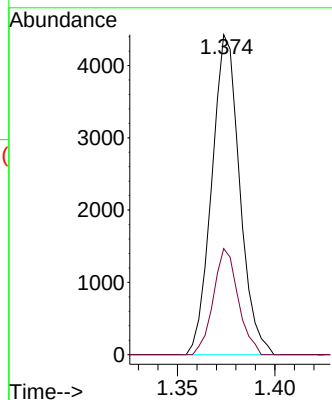
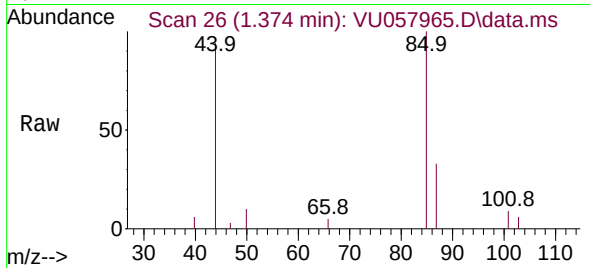




#2
 Dichlorodifluoromethane
 Concen: 0.341 ug/L
 RT: 1.374 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

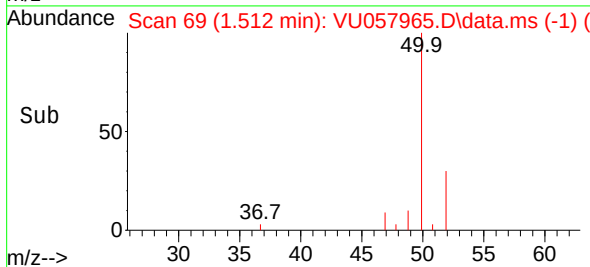
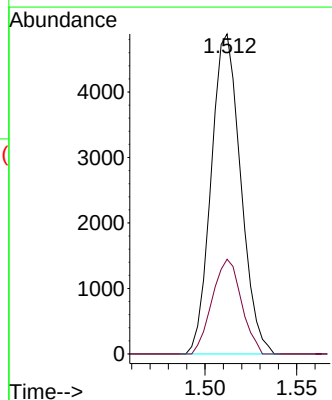
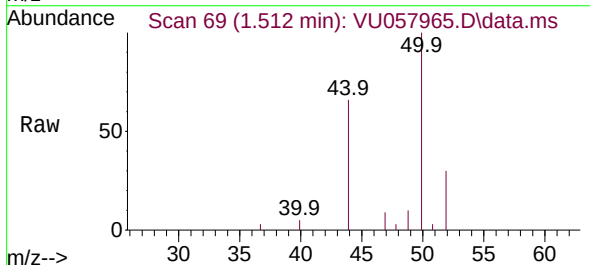
Instrument :
 MSVOA_U
 ClientSampleId :

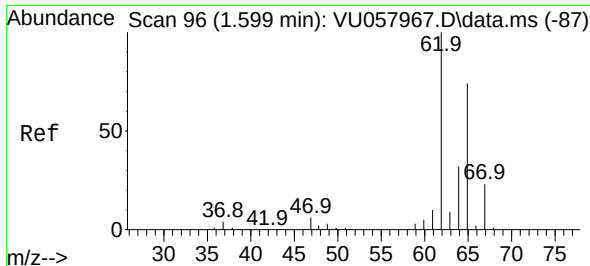
Tgt Ion: 85 Resp: 4401
 Ion Ratio Lower Upper
 85 100
 87 29.5 25.8 38.6



#3
 Chloromethane
 Concen: 0.413 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.003 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

Tgt Ion: 50 Resp: 5471
 Ion Ratio Lower Upper
 50 100
 52 29.6 23.1 42.9

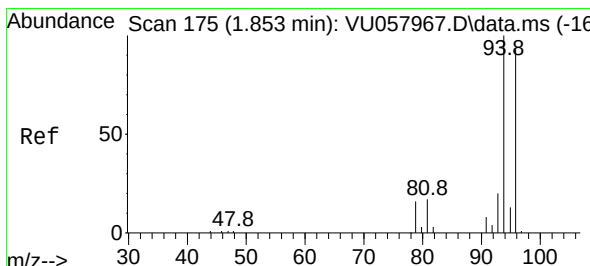
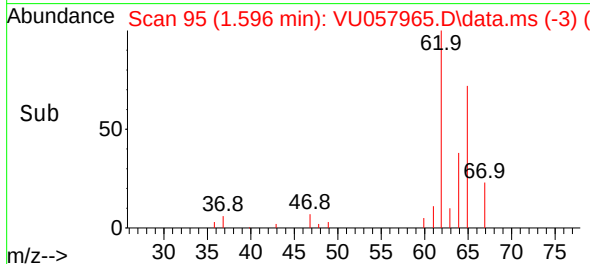
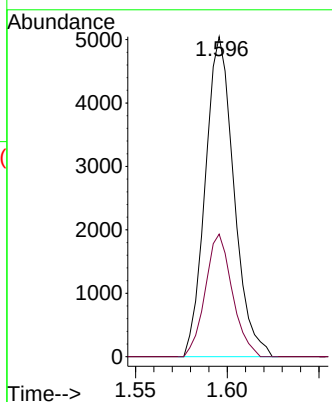
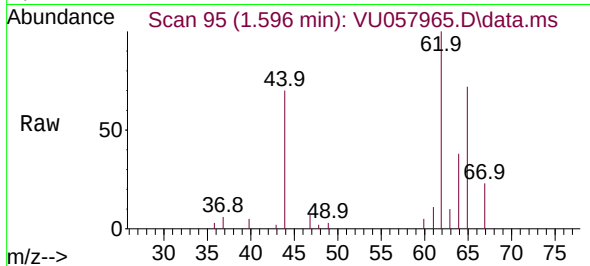




#5
 Vinyl chloride
 Concen: 0.386 ug/L
 RT: 1.596 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

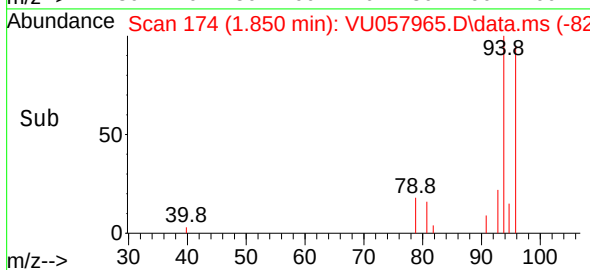
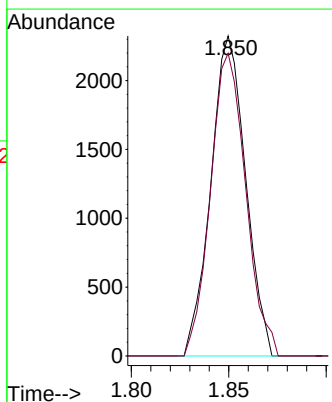
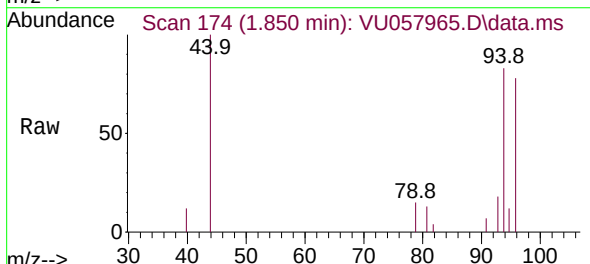
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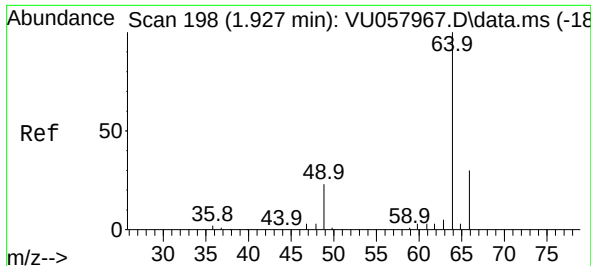
Tgt Ion: 62 Resp: 5472
 Ion Ratio Lower Upper
 62 100
 64 38.3 22.5 41.7



#6
 Bromomethane
 Concen: 0.388 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. -0.003 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

Tgt Ion: 94 Resp: 2883
 Ion Ratio Lower Upper
 94 100
 96 82.3 65.2 121.2

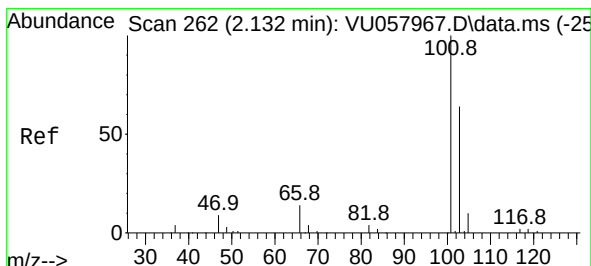
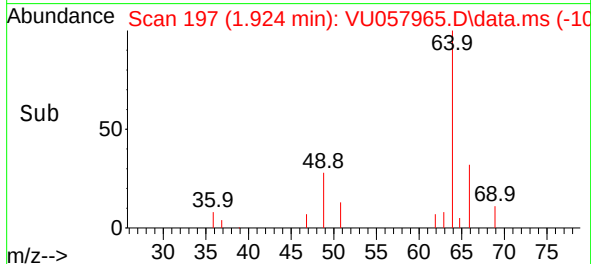
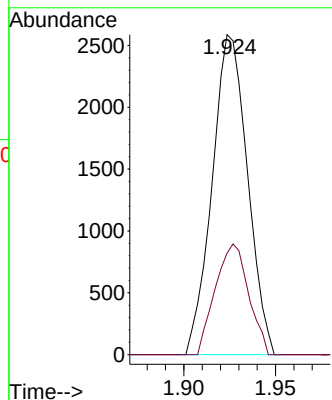
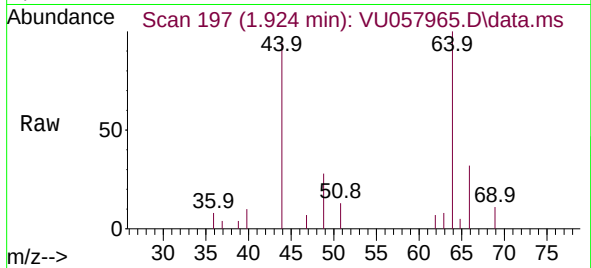




#8
Chloroethane
Concen: 0.401 ug/L
RT: 1.924 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

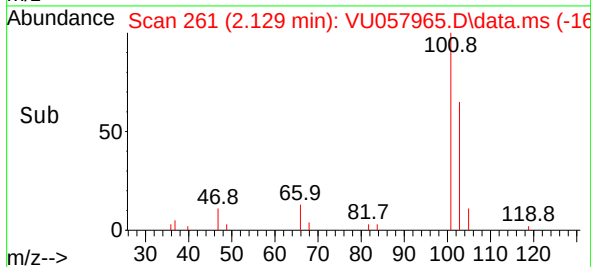
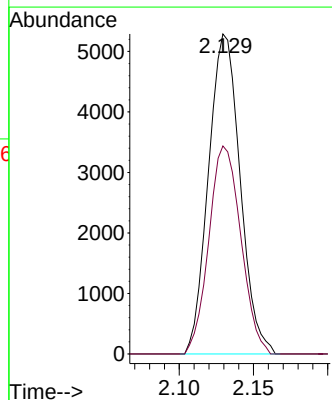
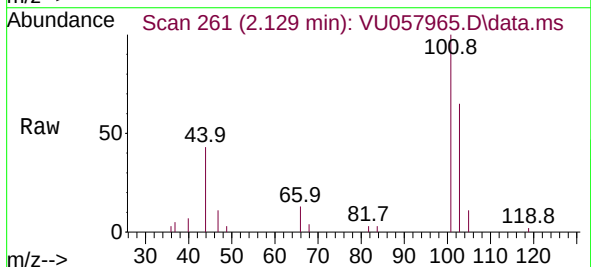
Instrument :
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ClientSampleId :

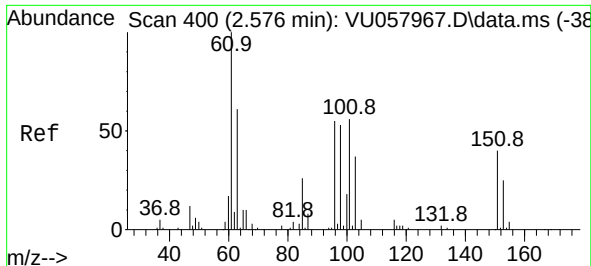
Tgt Ion: 64 Resp: 3461
Ion Ratio Lower Upper
64 100
66 30.2 20.9 38.9



#9
Trichlorofluoromethane
Concen: 0.376 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion:101 Resp: 7839
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.2

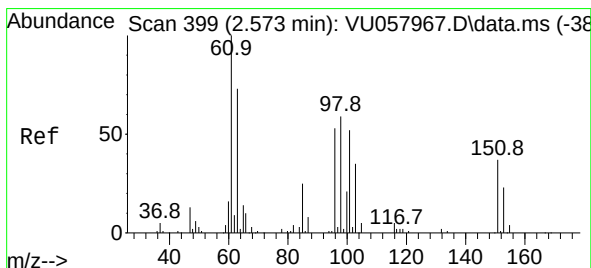
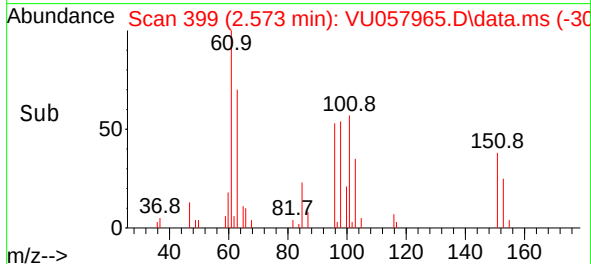
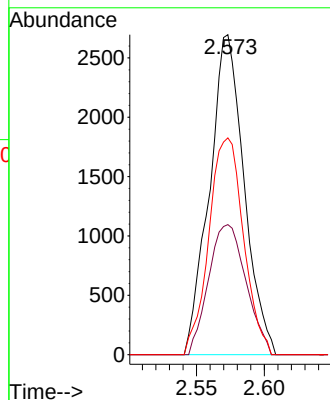
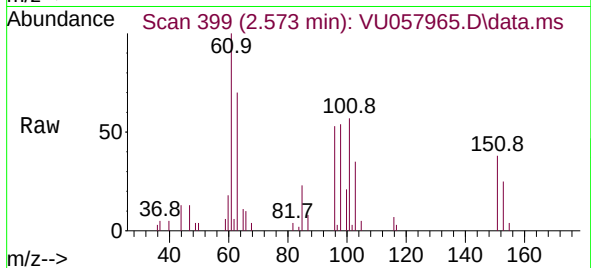




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.391 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

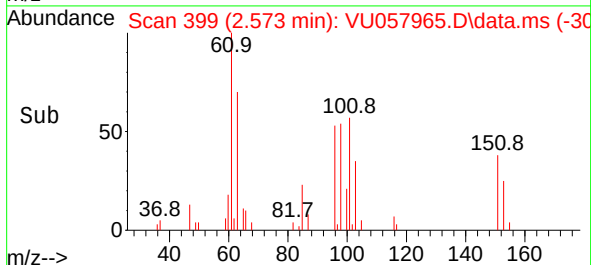
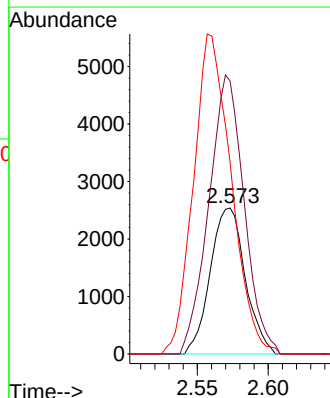
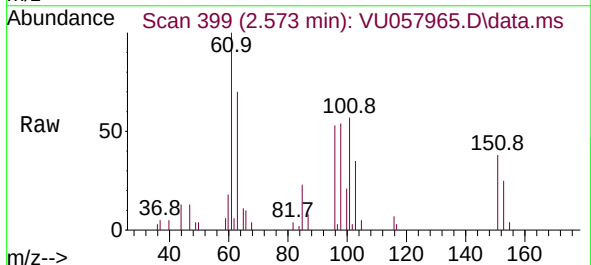
Instrument :
MSVOA_U
ClientSampleId :

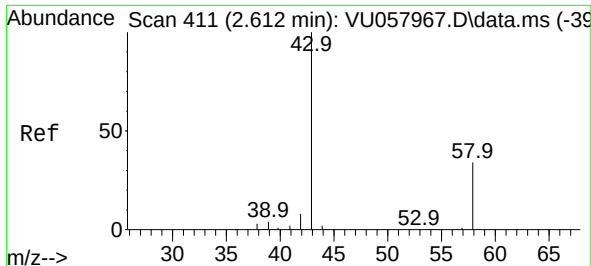
Tgt Ion:101	Resp:	4791
Ion	Ratio	Lower Upper
101	100	
85	44.0	37.3 55.9
151	67.9	56.0 84.0



#12
1,1-Dichloroethene
Concen: 0.384 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion: 96	Resp:	4356
Ion	Ratio	Lower Upper
96	100	
61	178.3	131.8 244.8
63	125.2	98.1 182.1





#13

Acetone

Concen: 3.740 ug/L

RT: 2.621 min Scan# 411

Delta R.T. 0.010 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

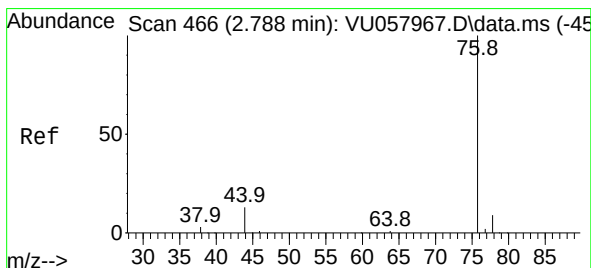
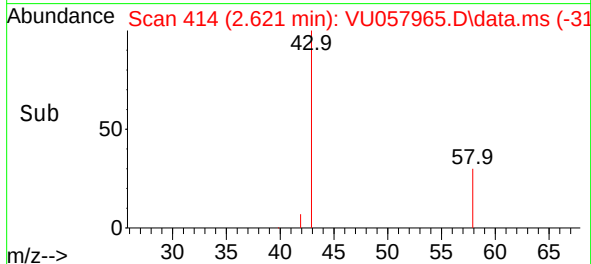
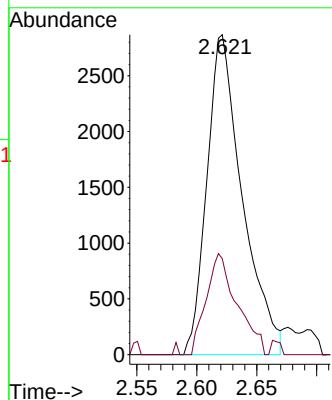
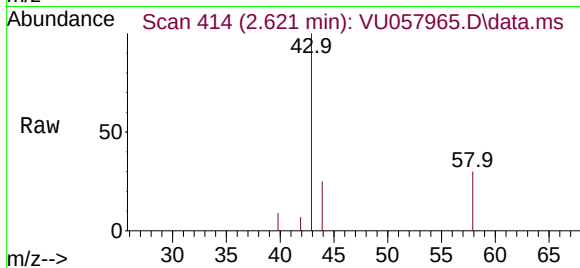
ClientSampleId :

Tgt Ion: 43 Resp: 5887

Ion Ratio Lower Upper

43 100

58 27.6 0.0 63.6



#14

Carbon disulfide

Concen: 0.388 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU057965.D

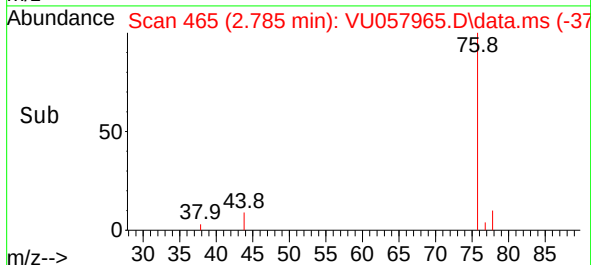
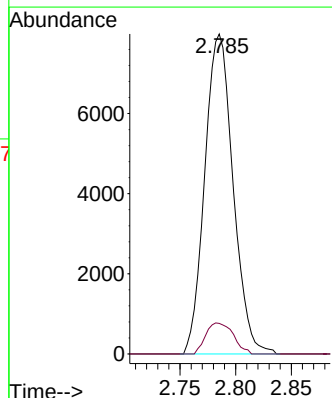
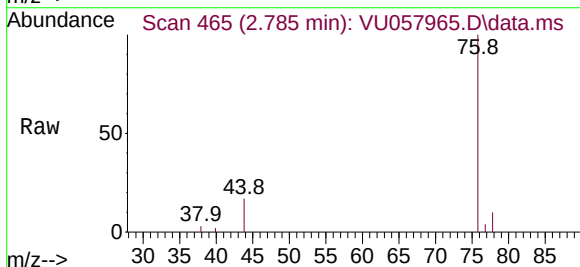
Acq: 29 Feb 2024 09:40

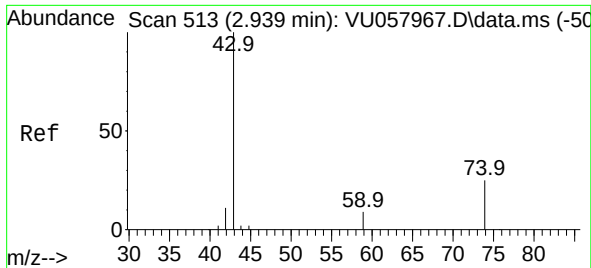
Tgt Ion: 76 Resp: 14125

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methyl Acetate

Concen: 0.282 ug/L

RT: 2.962 min Scan# 513

Delta R.T. 0.023 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

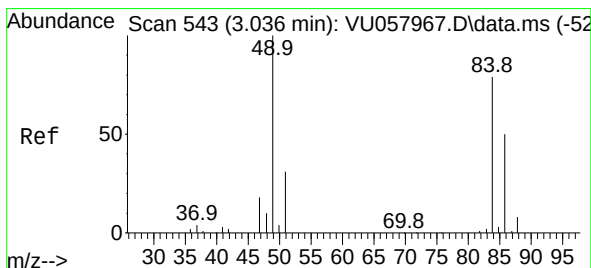
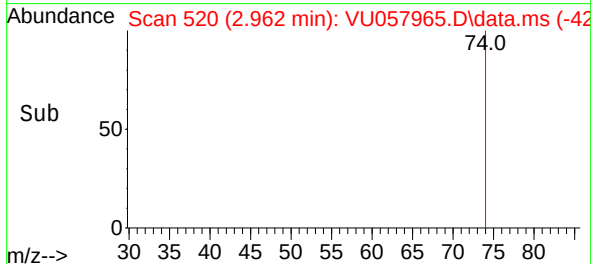
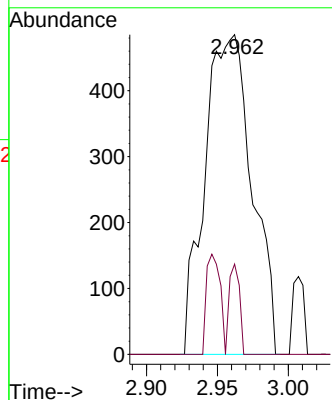
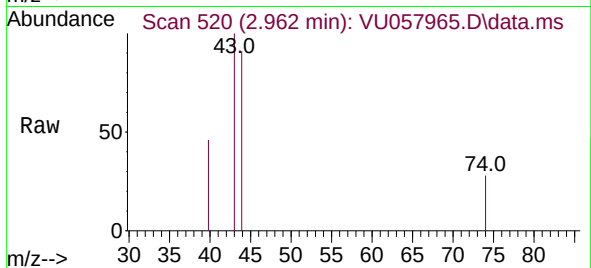
ClientSampleId :

Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

43 100

74 6.1 20.6 31.0#



#16

Methylene chloride

Concen: 0.528 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

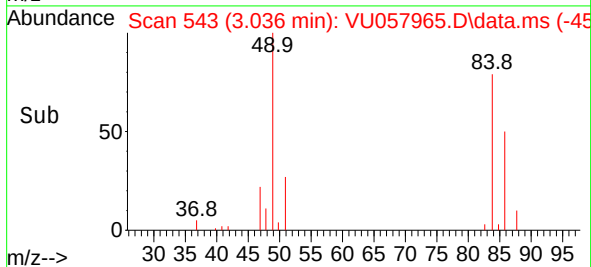
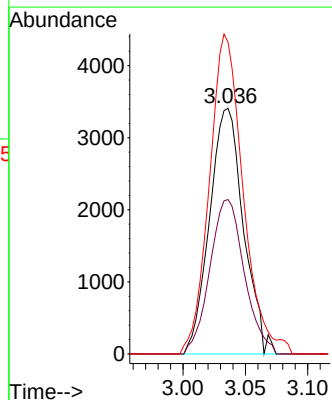
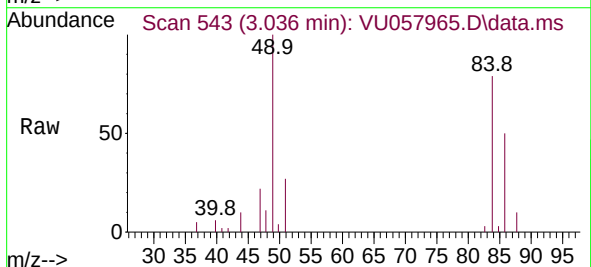
Tgt Ion: 84 Resp: 6467

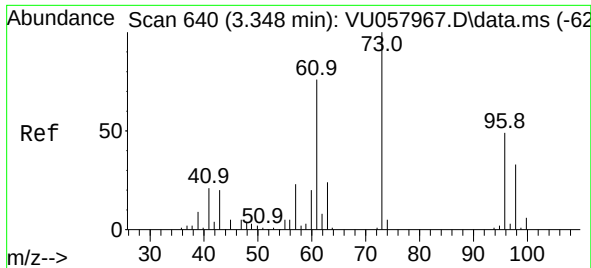
Ion Ratio Lower Upper

84 100

86 62.9 44.4 82.4

49 132.2 88.8 165.0

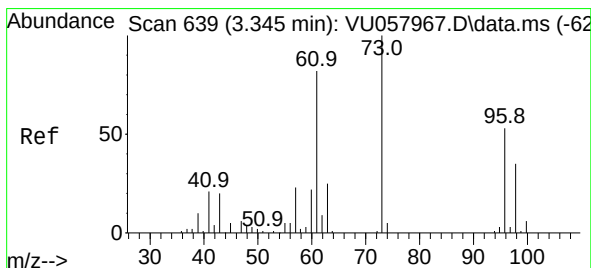
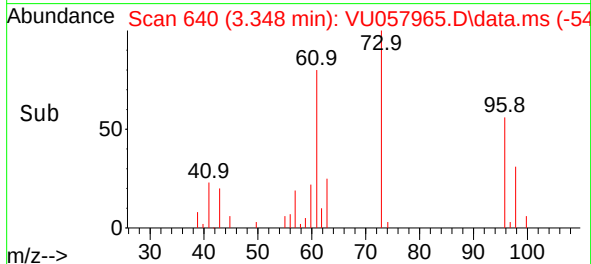
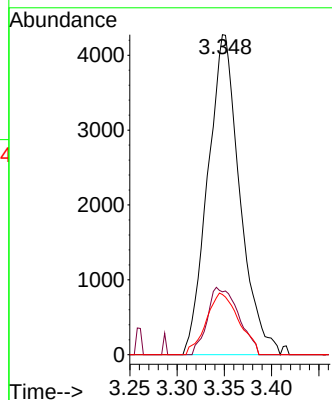
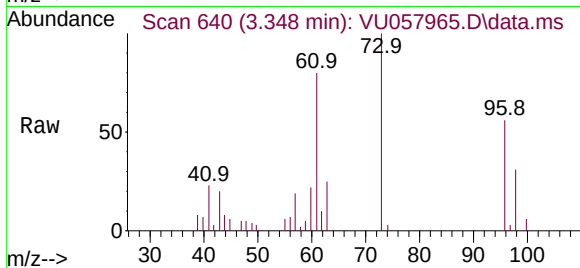




#17
Methyl tert-butyl Ether
Concen: 0.376 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

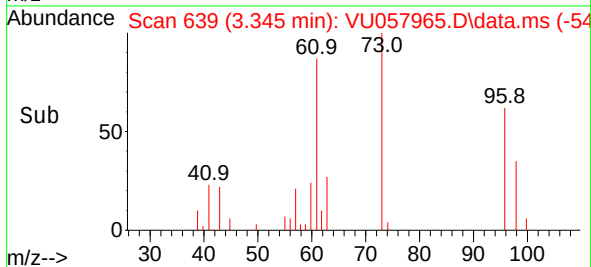
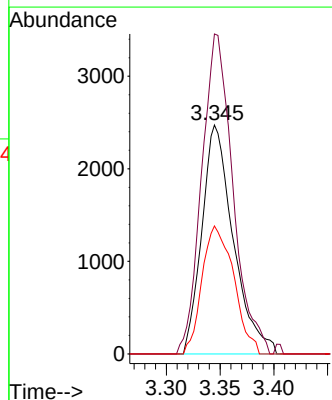
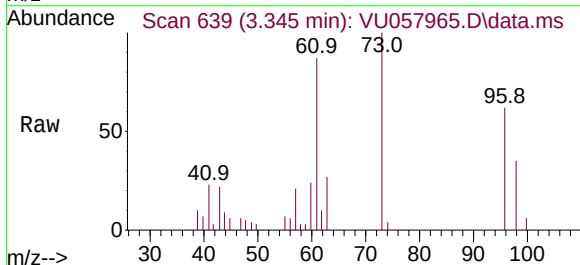
Instrument :
MSVOA_U
ClientSampleId :

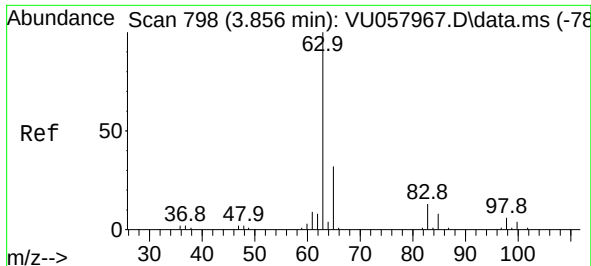
Tgt Ion: 73 Resp: 10057
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.4
57 19.6 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 0.421 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion: 96 Resp: 5030
Ion Ratio Lower Upper
96 100
61 139.8 107.7 199.9
98 55.9 45.8 85.0





#19

1,1-Dichloroethane

Concen: 0.406 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.007 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :

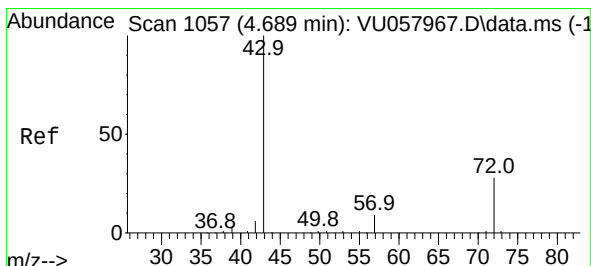
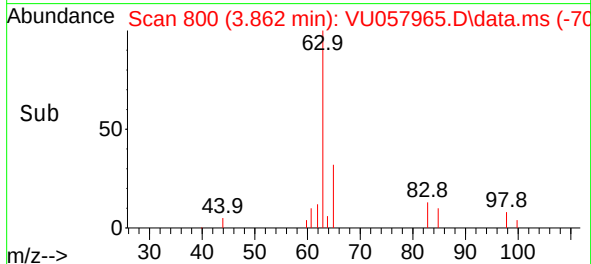
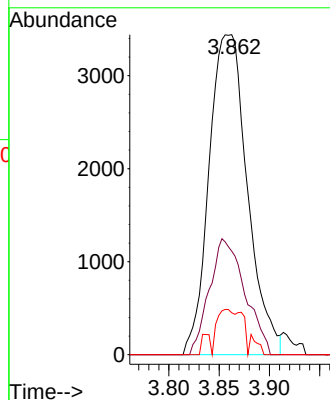
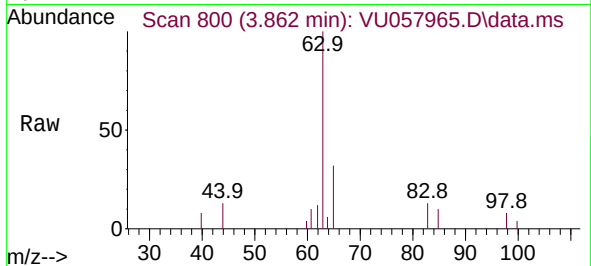
Tgt Ion: 63 Resp: 9134

Ion Ratio Lower Upper

63 100

65 30.6 22.1 41.1

83 12.4 9.0 16.6



#21

2-Butanone

Concen: 2.520 ug/L

RT: 4.718 min Scan# 1066

Delta R.T. 0.029 min

Lab File: VU057965.D

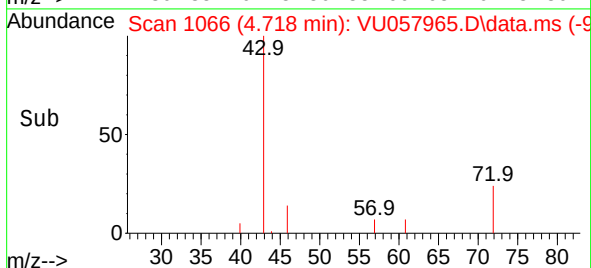
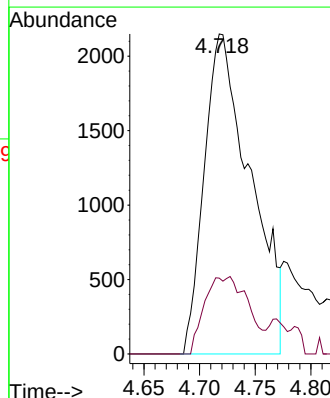
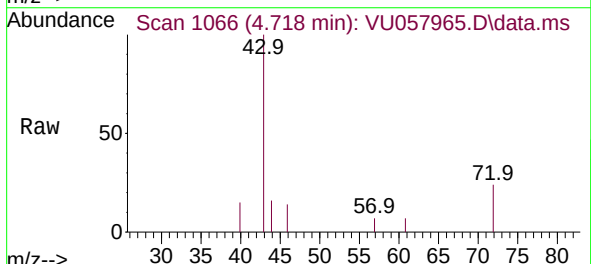
Acq: 29 Feb 2024 09:40

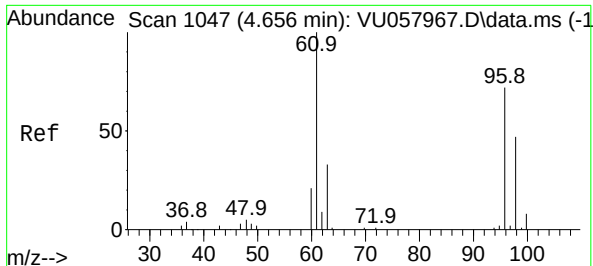
Tgt Ion: 43 Resp: 6207

Ion Ratio Lower Upper

43 100

72 10.3 13.0 39.0#

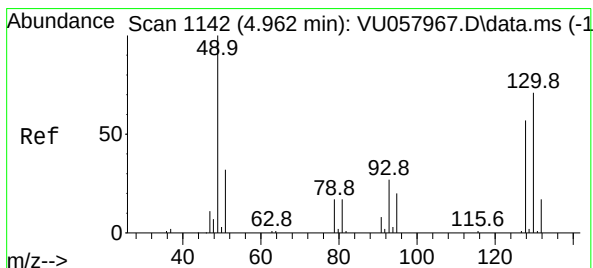
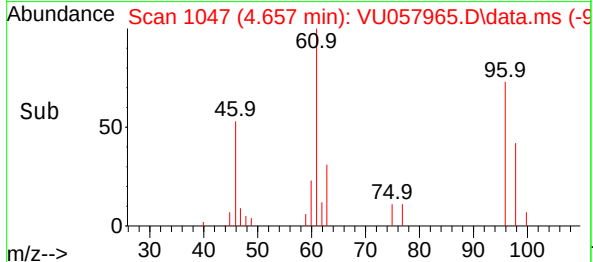
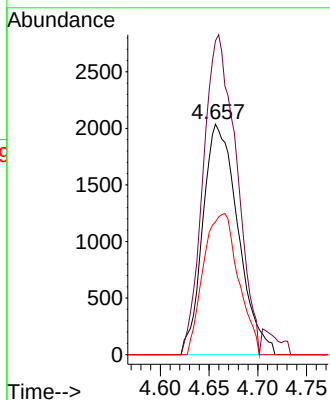
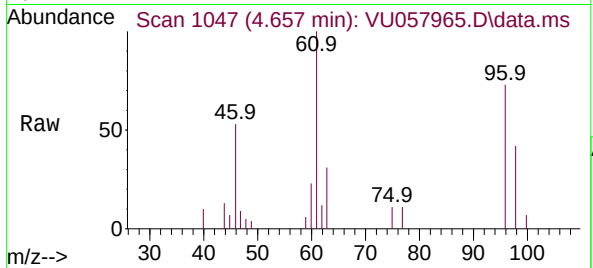




#22
 cis-1,2-Dichloroethene
 Concen: 0.396 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

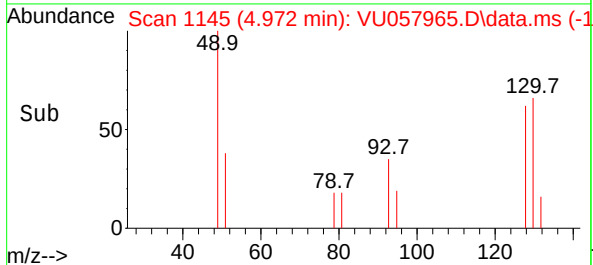
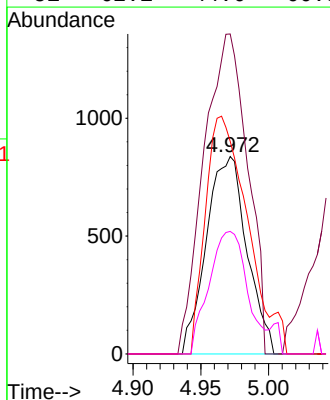
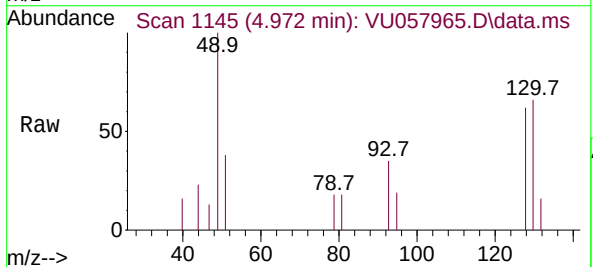
Instrument :
 MSVOA_U
 ClientSampleId :

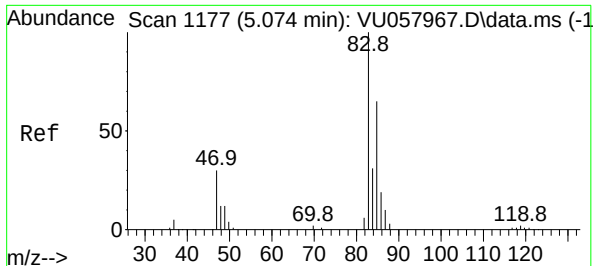
Tgt Ion: 96 Resp: 5121
 Ion Ratio Lower Upper
 96 100
 61 136.2 97.2 180.4
 98 57.6 45.5 84.5



#23
 Bromochloromethane
 Concen: 0.341 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.010 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

Tgt Ion: 128 Resp: 1742
 Ion Ratio Lower Upper
 128 100
 49 162.1 122.0 226.6
 130 107.6 86.6 160.8
 51 62.1 44.6 66.8





#25

Chloroform

Concen: 0.413 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

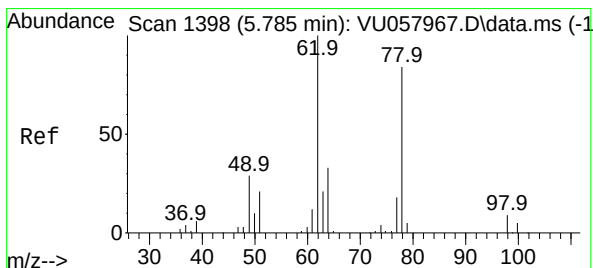
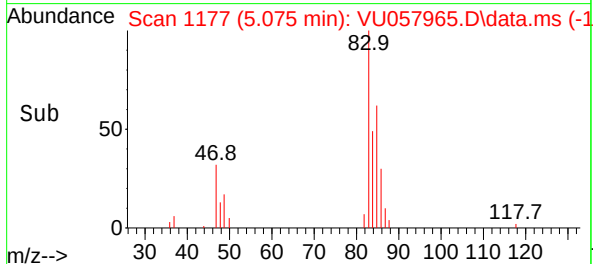
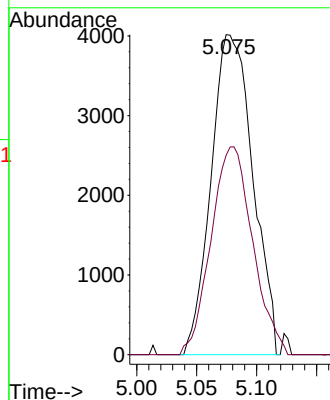
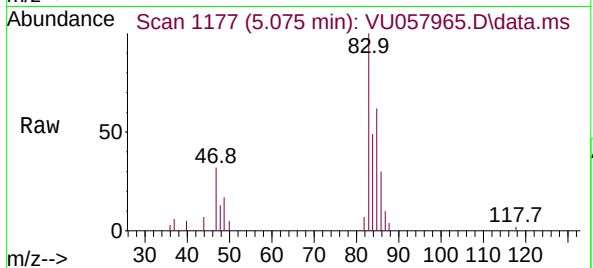
ClientSampleId :

Tgt Ion: 83 Resp: 9729

Ion Ratio Lower Upper

83 100

85 62.3 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.349 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.007 min

Lab File: VU057965.D

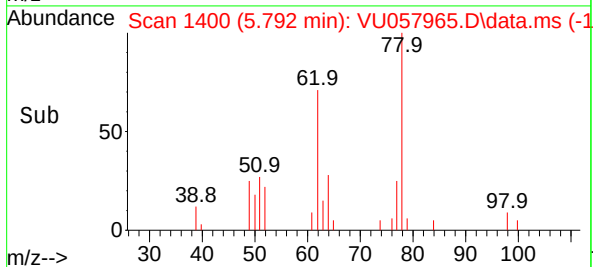
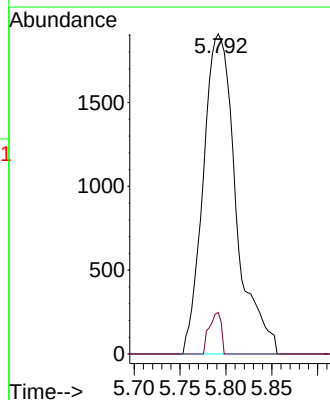
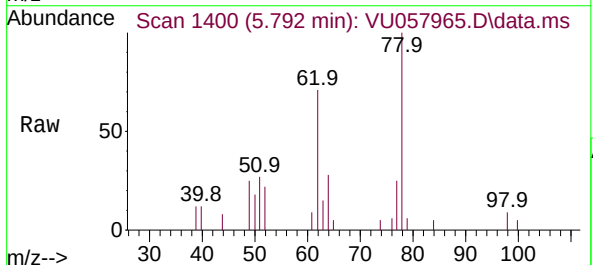
Acq: 29 Feb 2024 09:40

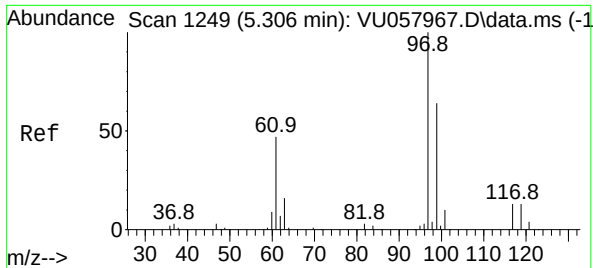
Tgt Ion: 62 Resp: 4756

Ion Ratio Lower Upper

62 100

98 12.9 7.0 10.4#

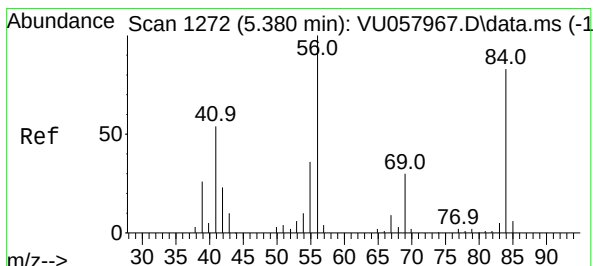
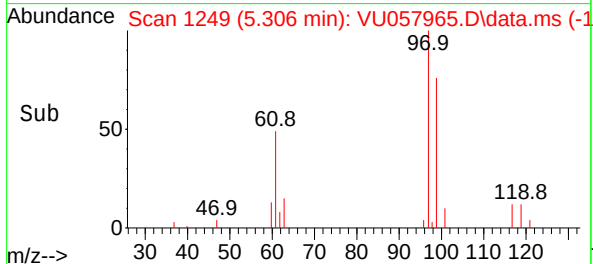
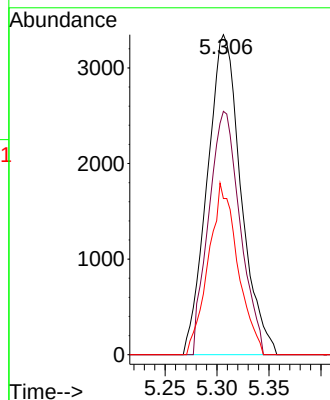
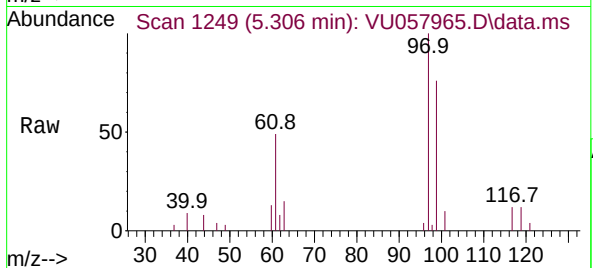




#29
1,1,1-Trichloroethane
Concen: 0.367 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

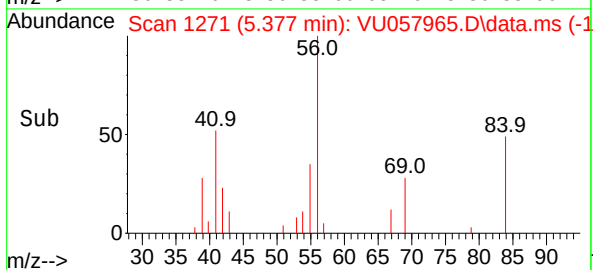
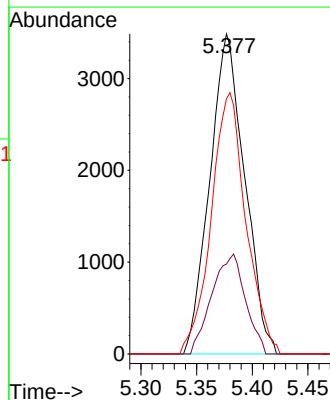
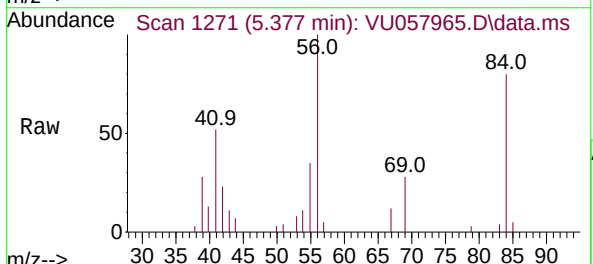
Instrument :
MSVOA_U
ClientSampleId :

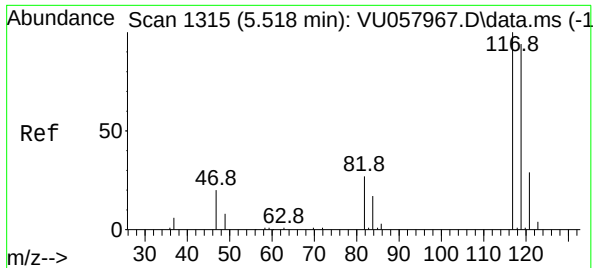
Tgt Ion: 97	Resp: 7555		
Ion Ratio	Lower	Upper	
97 100			
99 70.8	51.2	76.8	
61 46.6	37.4	56.2	



#30
Cyclohexane
Concen: 0.379 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion: 56	Resp: 7596
Ion Ratio	Lower Upper
56 100	
69 30.0	24.2 36.2
84 81.1	66.6 99.8

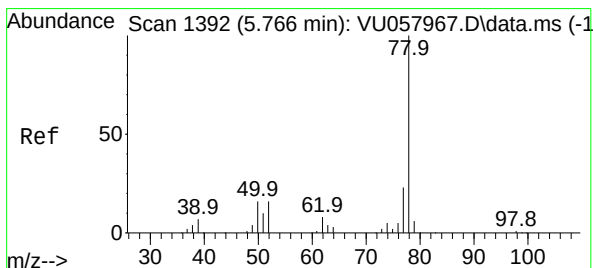
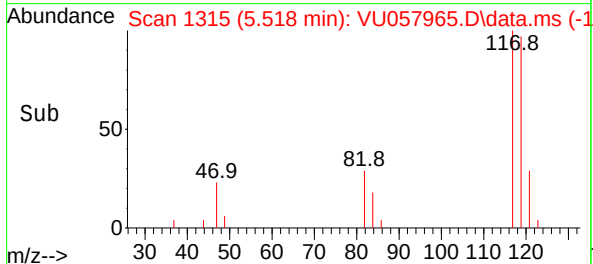
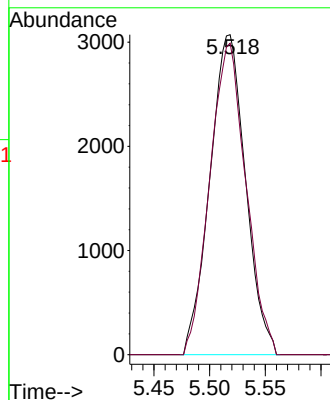
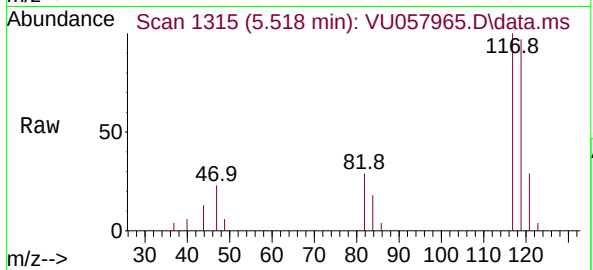




#31
Carbon tetrachloride
Concen: 0.379 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

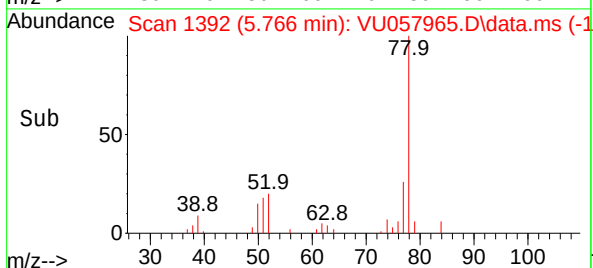
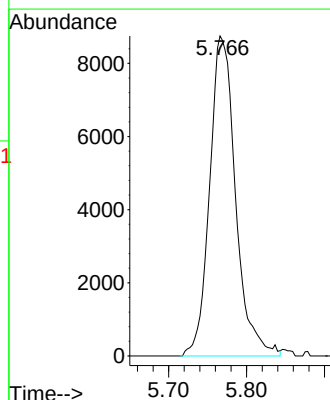
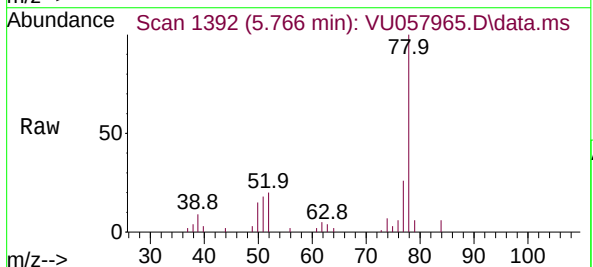
Instrument :
MSVOA_U
ClientSampleId :

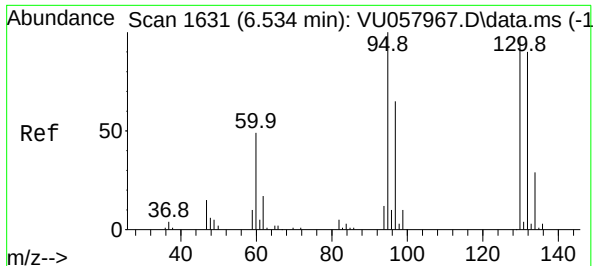
Tgt Ion:117 Resp: 6834
Ion Ratio Lower Upper
117 100
119 98.5 75.8 113.8



#33
Benzene
Concen: 0.415 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion: 78 Resp: 20241

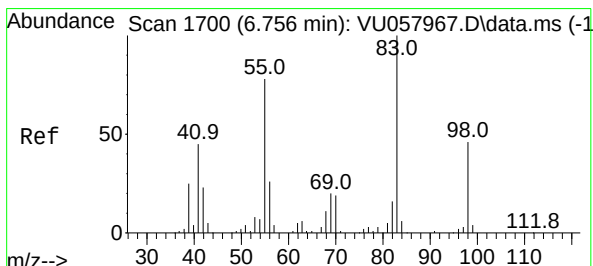
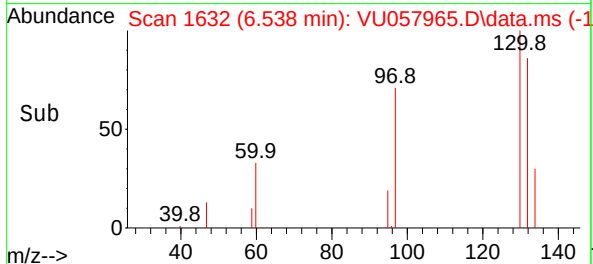
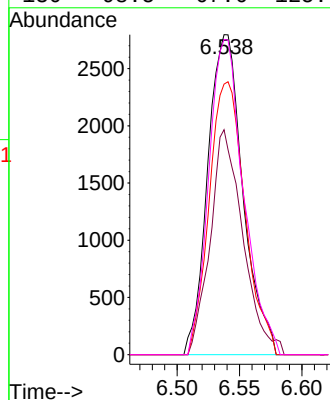
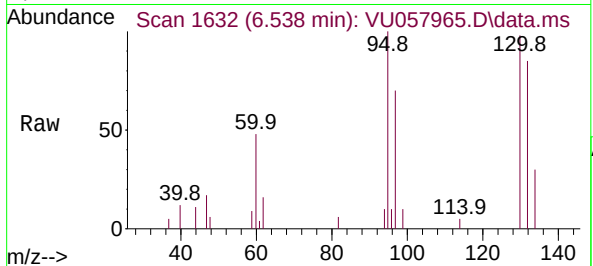




#34
Trichloroethene
Concen: 0.412 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

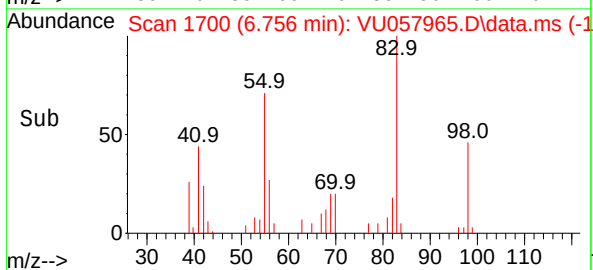
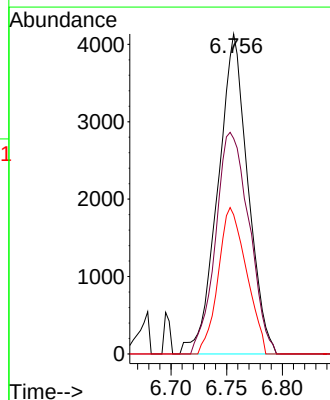
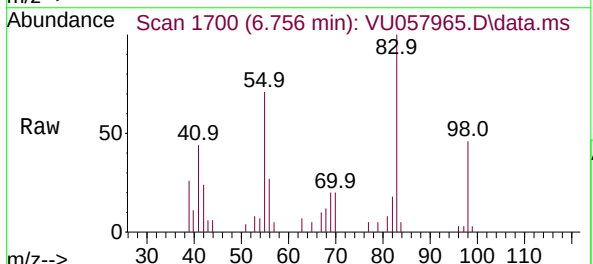
Instrument :
MSVOA_U
ClientSampleId :

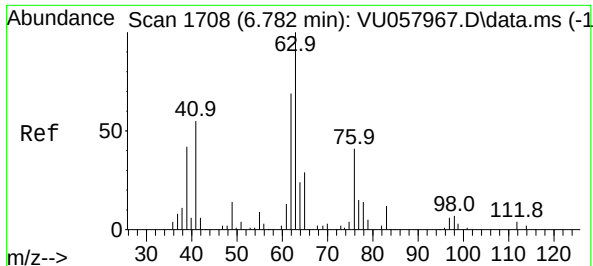
Tgt Ion: 95 Resp: 5492
Ion Ratio Lower Upper
95 100
97 70.3 45.3 84.1
132 84.6 63.1 117.1
130 98.5 67.6 125.6



#35
Methylcyclohexane
Concen: 0.360 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion: 83 Resp: 7731
Ion Ratio Lower Upper
83 100
55 77.5 63.0 94.6
98 43.0 36.2 54.4

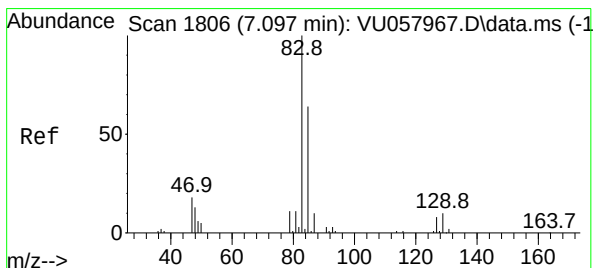
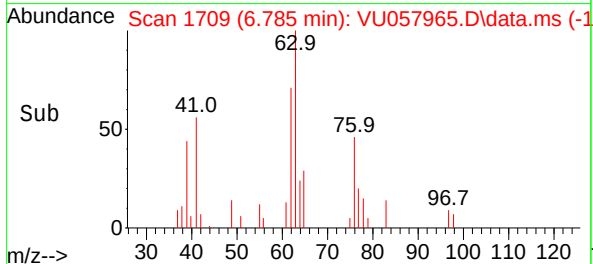
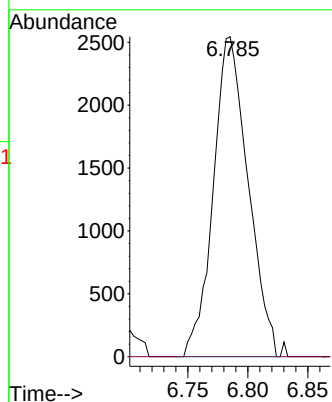
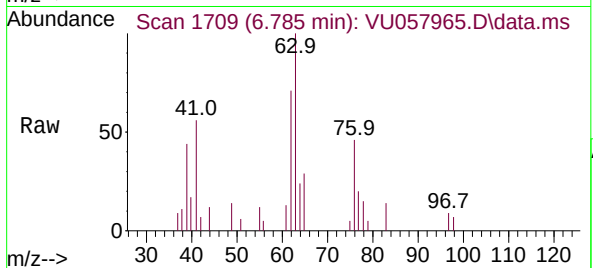




#37
1,2-Dichloropropane
Concen: 0.418 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

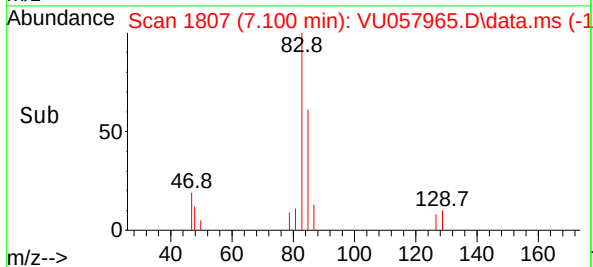
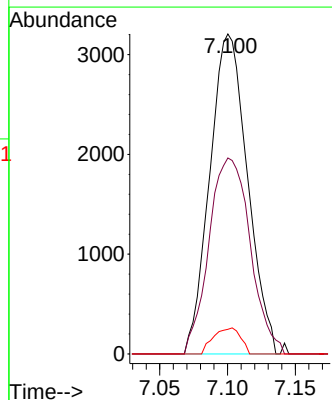
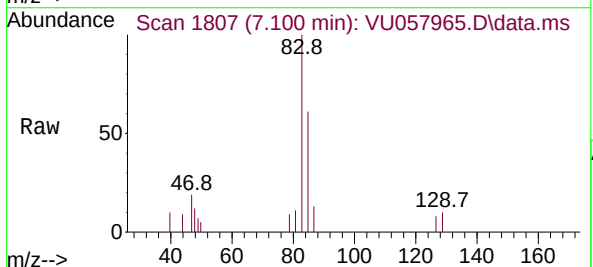
Instrument :
MSVOA_U
ClientSampleId :

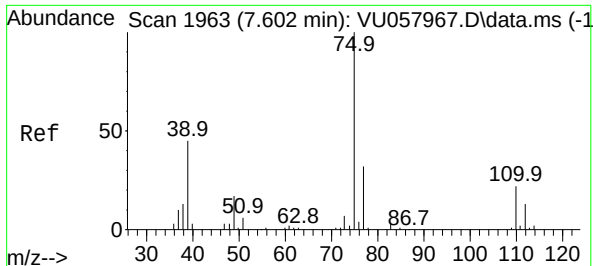
Tgt Ion: 63 Resp: 5132
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#38
Bromodichloromethane
Concen: 0.382 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion: 83 Resp: 6197
Ion Ratio Lower Upper
83 100
85 61.2 44.5 82.7
127 7.7 6.6 9.8

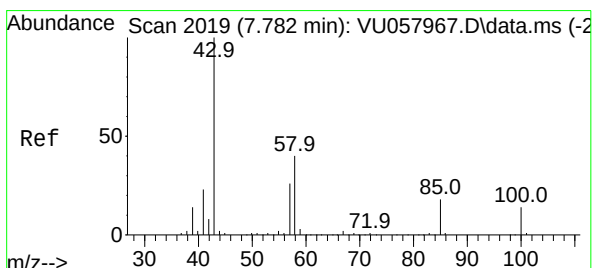
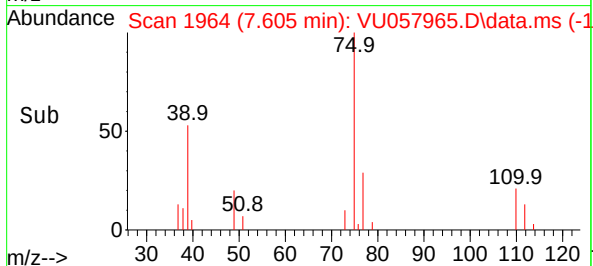
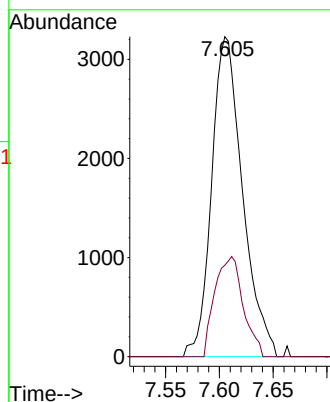
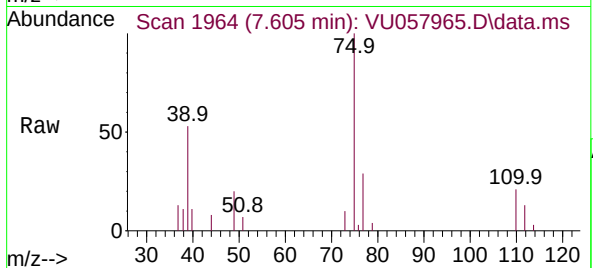




#39
 cis-1,3-Dichloropropene
 Concen: 0.345 ug/L
 RT: 7.605 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

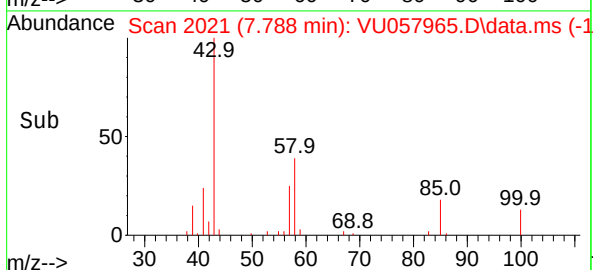
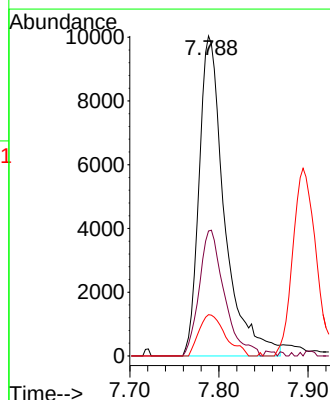
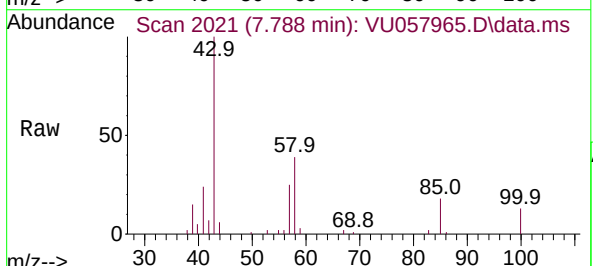
Instrument :
 MSVOA_U
 ClientSampleId :

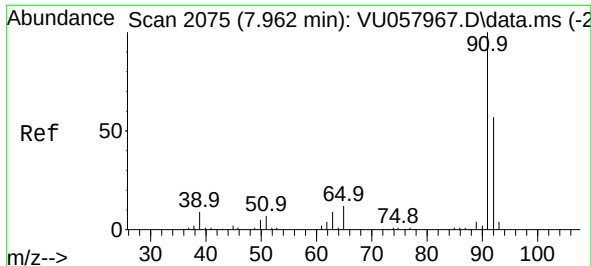
Tgt Ion: 75 Resp: 6448
 Ion Ratio Lower Upper
 75 100
 77 28.6 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 3.393 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.007 min
 Lab File: VU057965.D
 Acq: 29 Feb 2024 09:40

Tgt Ion: 43 Resp: 19883
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.7 47.5
 100 13.4 11.3 16.9





#42

Toluene

Concen: 0.388 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

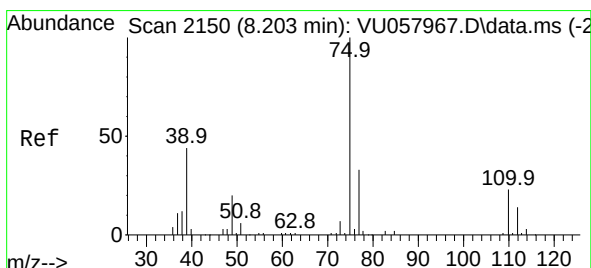
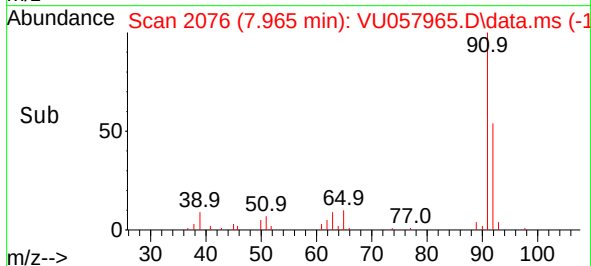
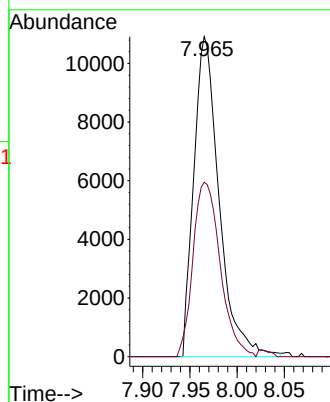
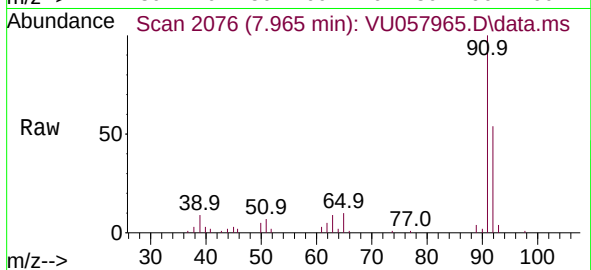
ClientSampleId :

Tgt Ion: 91 Resp: 20281

Ion Ratio Lower Upper

91 100

92 54.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.352 ug/L

RT: 8.213 min Scan# 2153

Delta R.T. 0.010 min

Lab File: VU057965.D

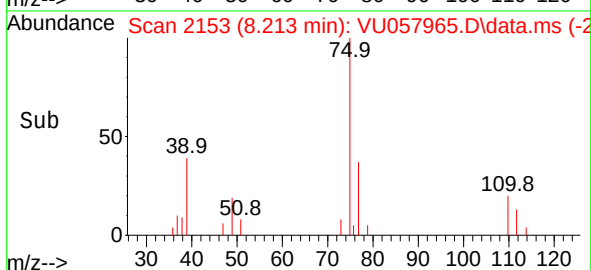
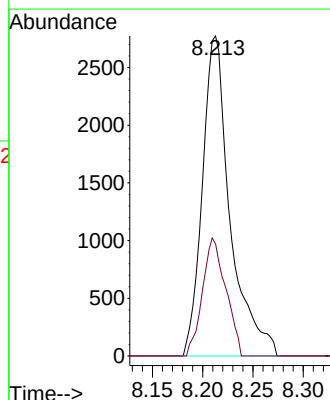
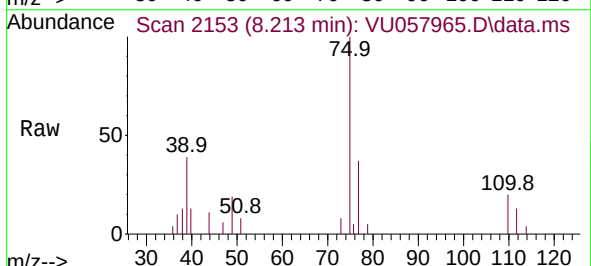
Acq: 29 Feb 2024 09:40

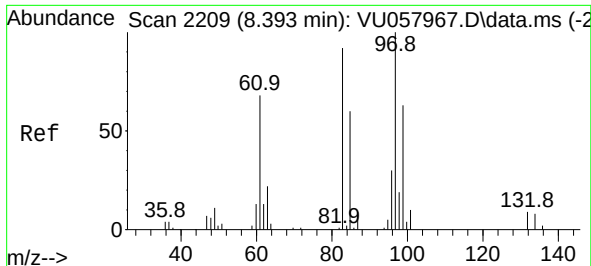
Tgt Ion: 75 Resp: 5317

Ion Ratio Lower Upper

75 100

77 35.1 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 0.382 ug/L

RT: 8.396 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 2997

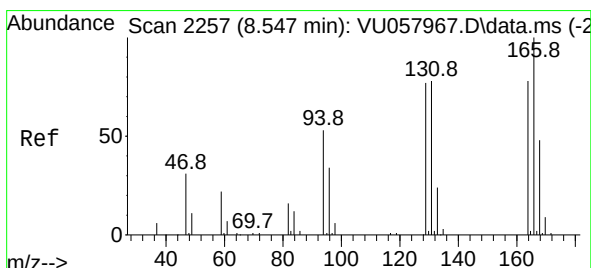
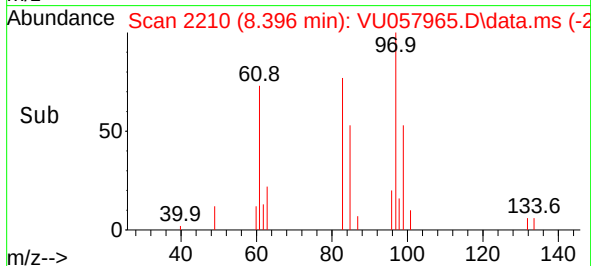
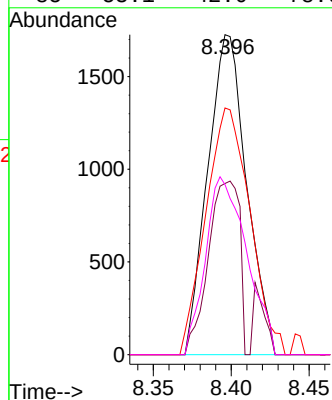
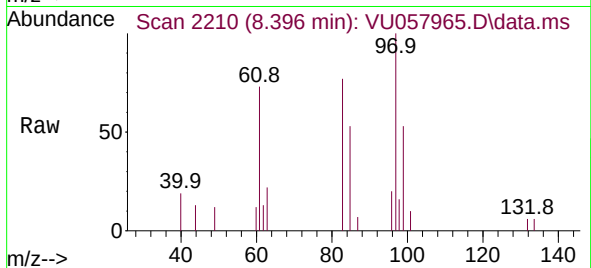
Ion Ratio Lower Upper

97 100

99 53.5 44.2 82.2

83 77.1 64.2 119.2

85 53.1 42.0 78.0



#47

Tetrachloroethene

Concen: 0.373 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Tgt Ion:164 Resp: 3611

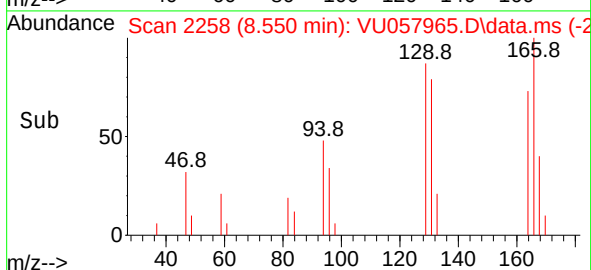
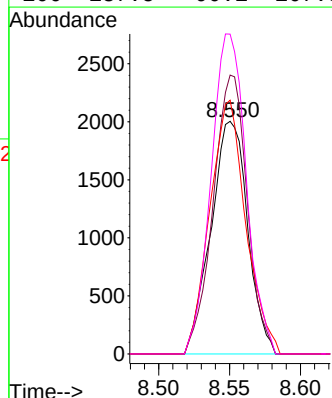
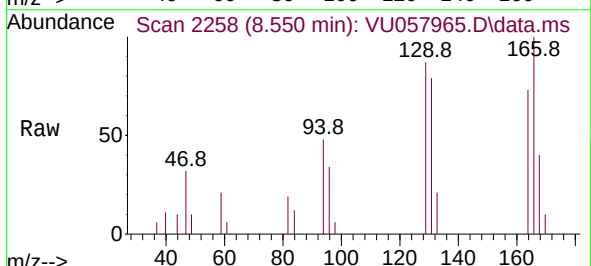
Ion Ratio Lower Upper

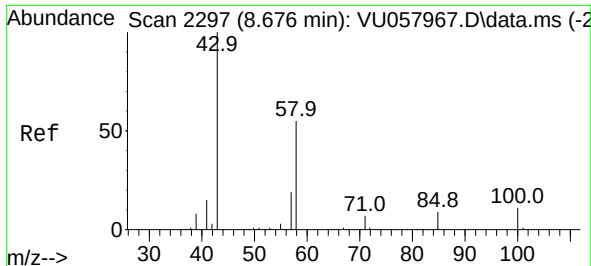
164 100

129 119.9 69.3 128.7

131 109.1 69.9 129.9

166 137.5 90.1 167.3





#48

2-Hexanone

Concen: 3.136 ug/L

RT: 8.685 min Scan# 24

Delta R.T. 0.010 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 12992

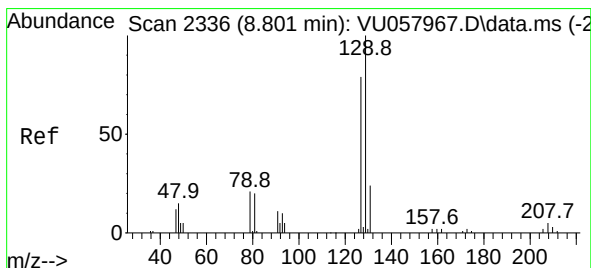
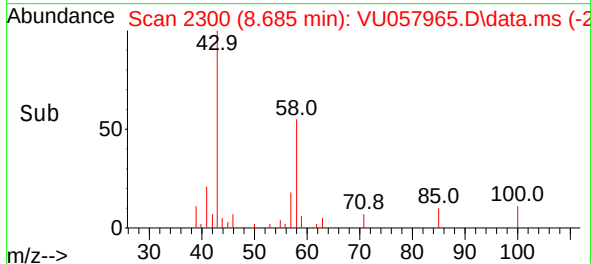
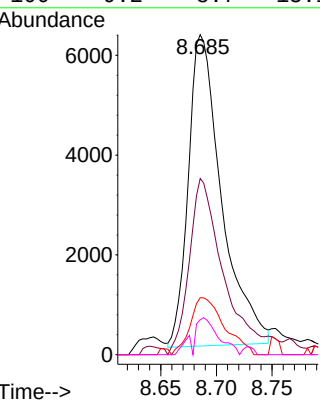
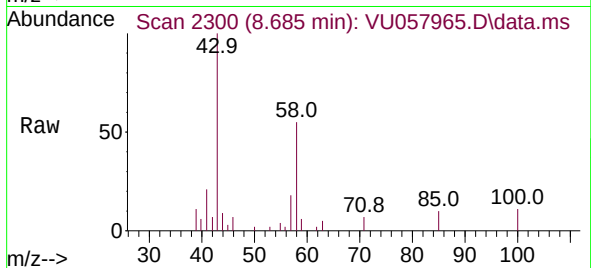
Ion Ratio Lower Upper

43 100

58 59.7 43.3 64.9

57 18.7 15.2 22.8

100 9.2 8.7 13.1



#49

Dibromochloromethane

Concen: 0.334 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU057965.D

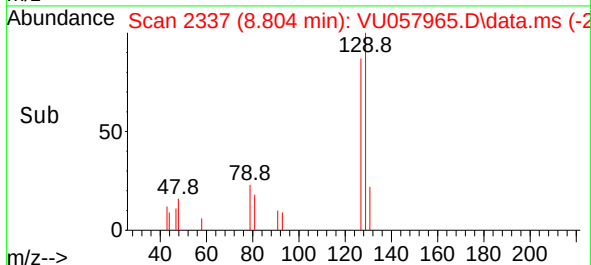
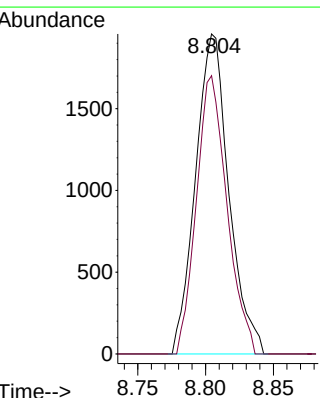
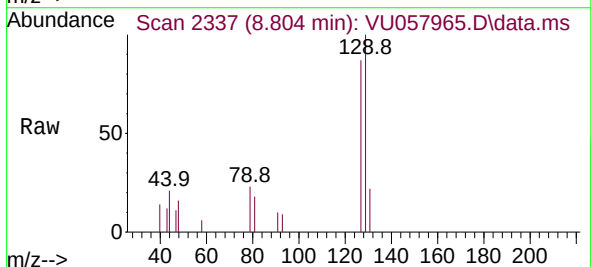
Acq: 29 Feb 2024 09:40

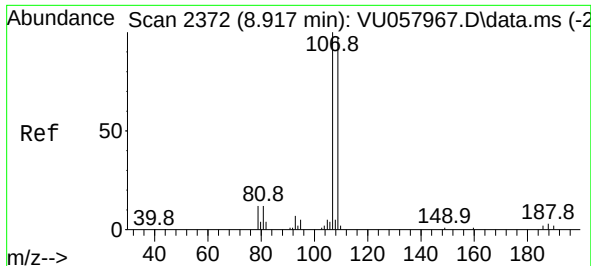
Tgt Ion: 129 Resp: 3346

Ion Ratio Lower Upper

129 100

127 87.0 55.2 102.6





#50

1,2-Dibromoethane

Concen: 0.306 ug/L

RT: 8.923 min Scan# 2374

Delta R.T. 0.007 min

Lab File: VU057965.D

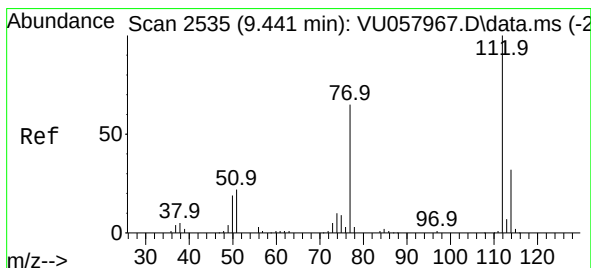
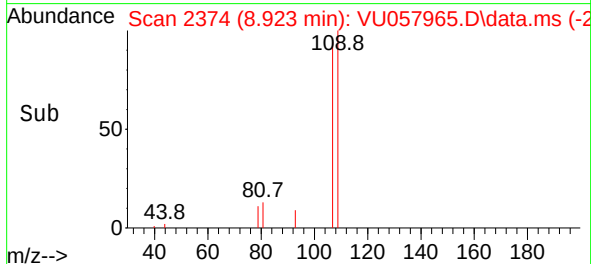
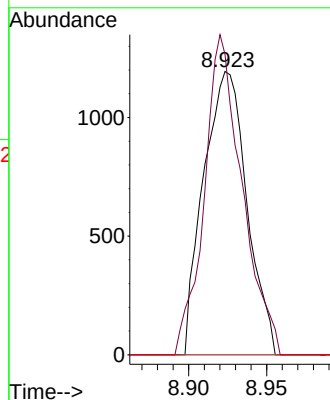
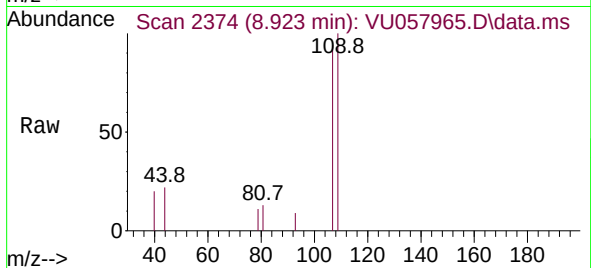
Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	2304
Ion	Ratio	Lower	Upper
107	100		
109	106.0	67.8	125.8
188	0.0	2.4	3.6#



#51

Chlorobenzene

Concen: 0.406 ug/L

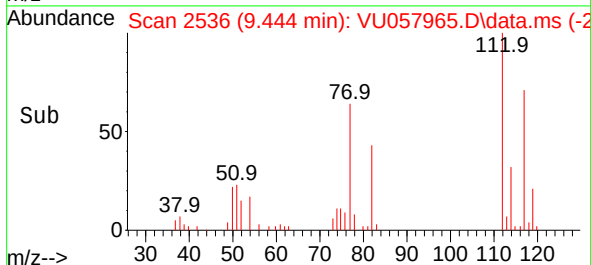
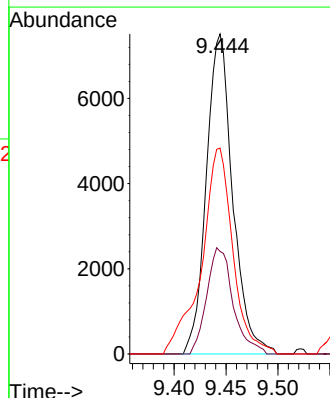
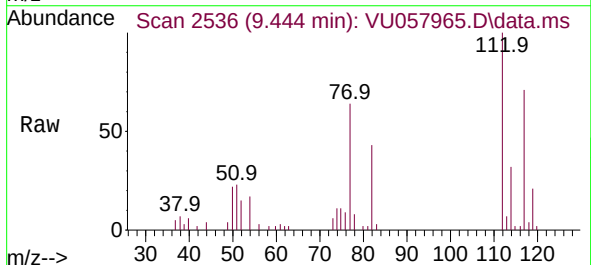
RT: 9.444 min Scan# 2536

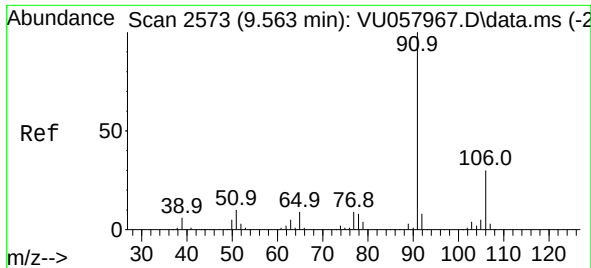
Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Tgt Ion:	112	Resp:	13279
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.1
77	64.4	52.3	78.5





#52

Ethylbenzene

Concen: 0.386 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

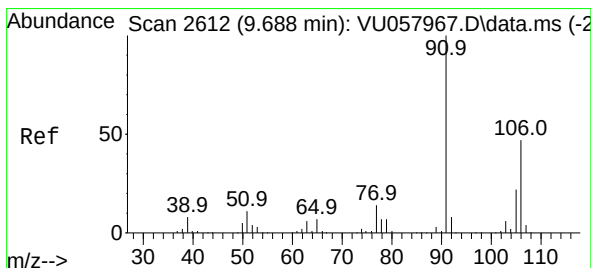
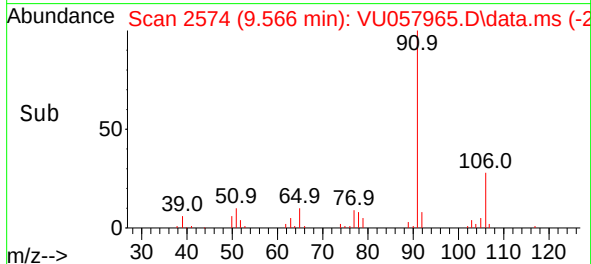
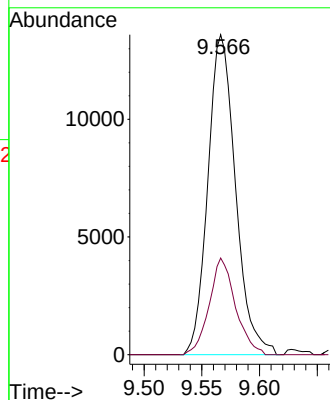
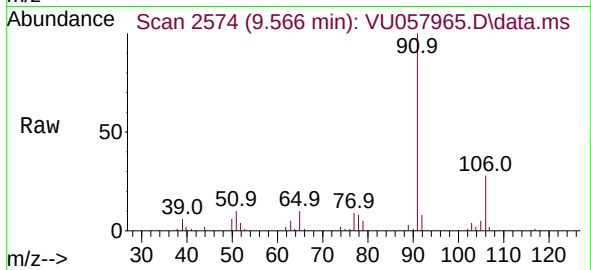
ClientSampleId :

Tgt Ion: 91 Resp: 22611

Ion Ratio Lower Upper

91 100

106 30.2 20.9 38.7



#53

m,p-Xylene

Concen: 0.352 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU057965.D

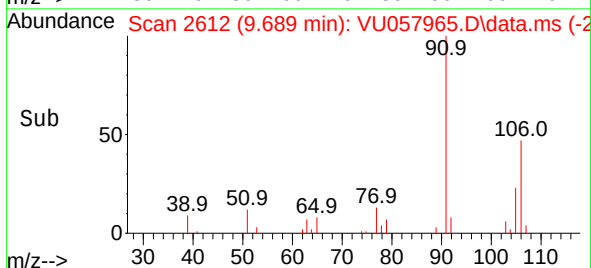
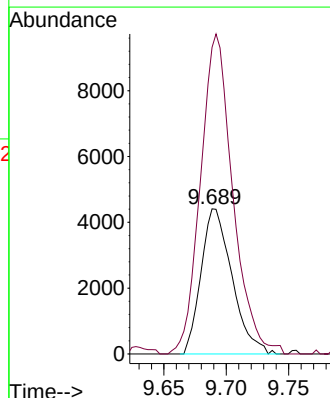
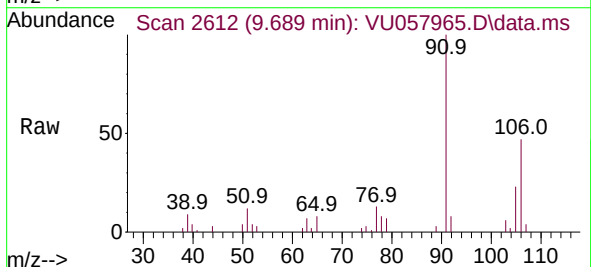
Acq: 29 Feb 2024 09:40

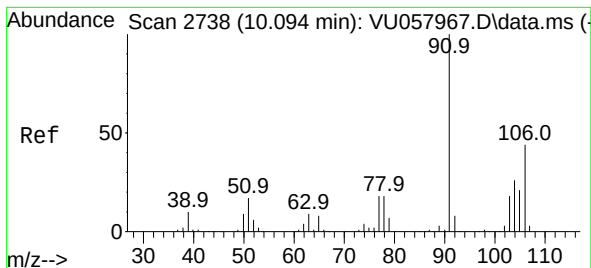
Tgt Ion:106 Resp: 7629

Ion Ratio Lower Upper

106 100

91 211.3 148.8 276.4





#54

o-Xylene

Concen: 0.369 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

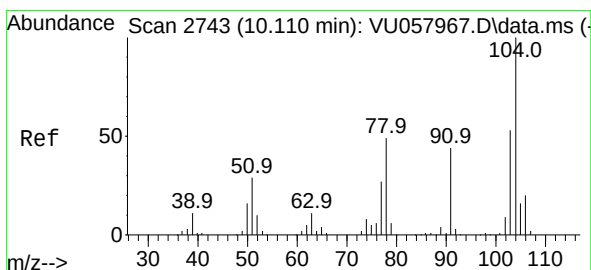
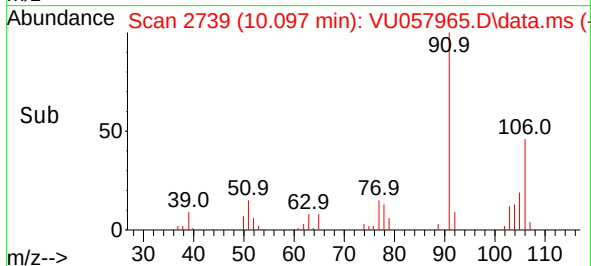
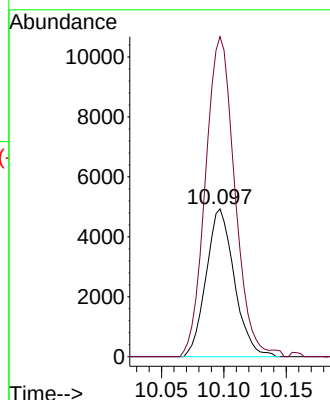
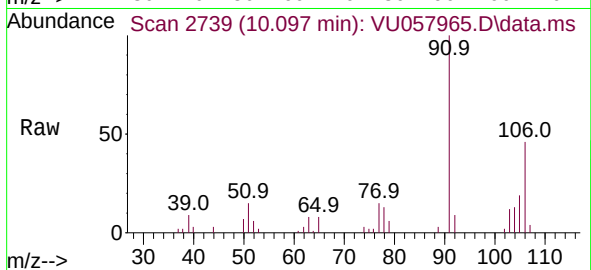
ClientSampleId :

Tgt Ion:106 Resp: 7766

Ion Ratio Lower Upper

106 100

91 216.4 158.3 294.1



#55

Styrene

Concen: 0.358 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU057965.D

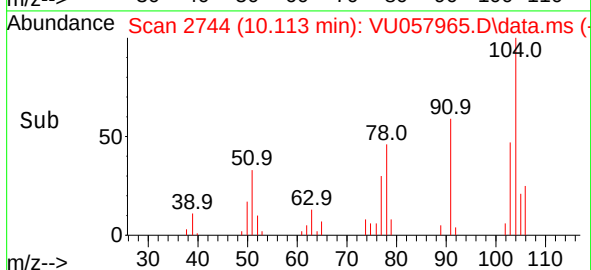
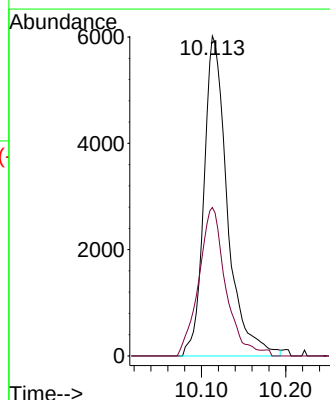
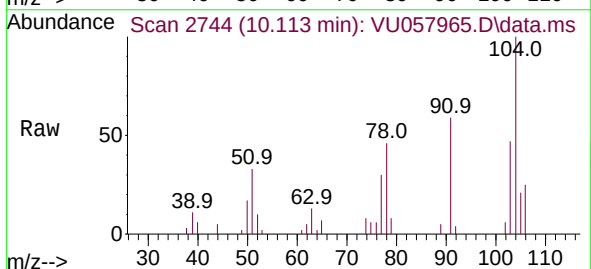
Acq: 29 Feb 2024 09:40

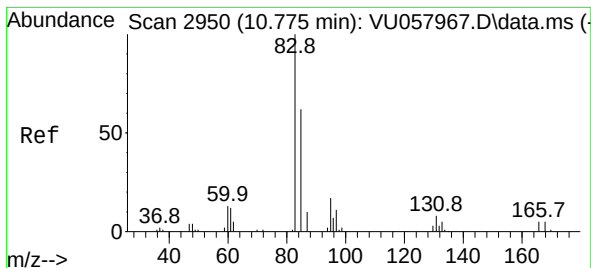
Tgt Ion:104 Resp: 11645

Ion Ratio Lower Upper

104 100

78 46.4 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.350 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :

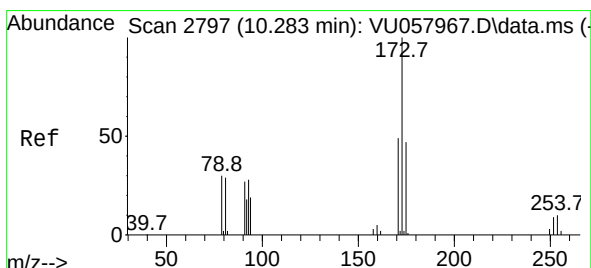
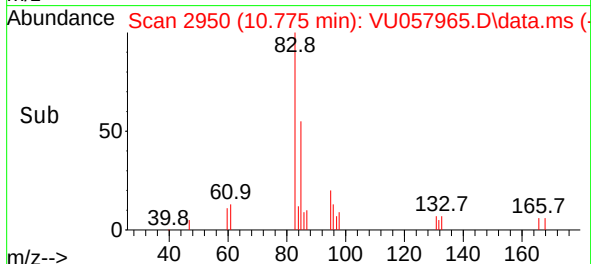
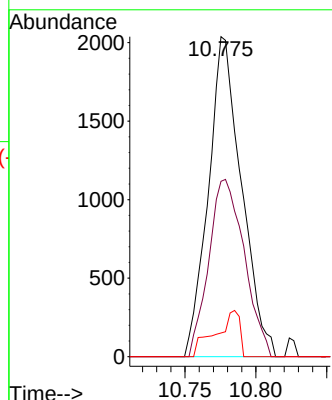
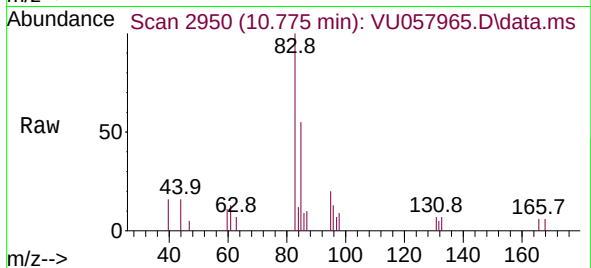
Tgt Ion: 83 Resp: 3314

Ion Ratio Lower Upper

83 100

85 54.8 44.0 81.6

131 7.4 6.9 10.3



#59

Bromoform

Concen: 0.322 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.007 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

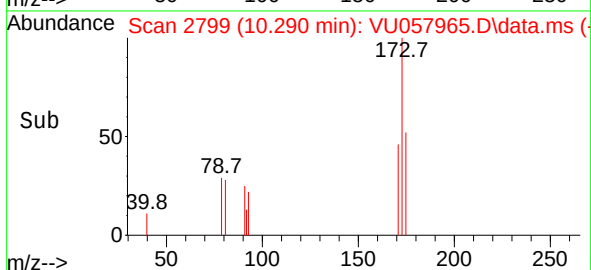
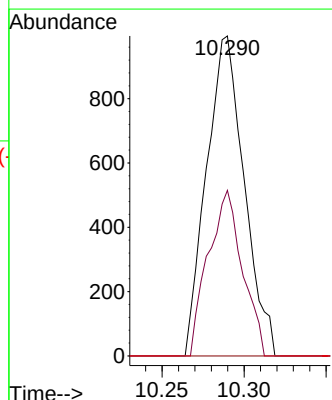
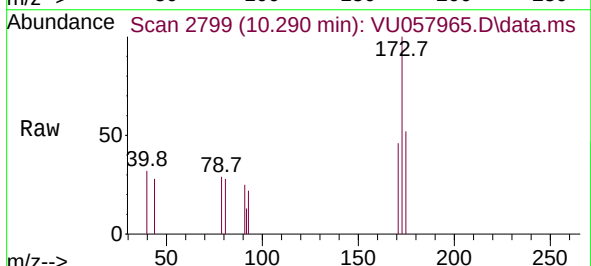
Tgt Ion:173 Resp: 1587

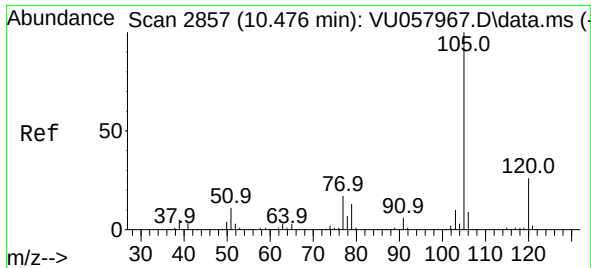
Ion Ratio Lower Upper

173 100

175 46.9 38.6 57.8

254 0.0 7.3 10.9#

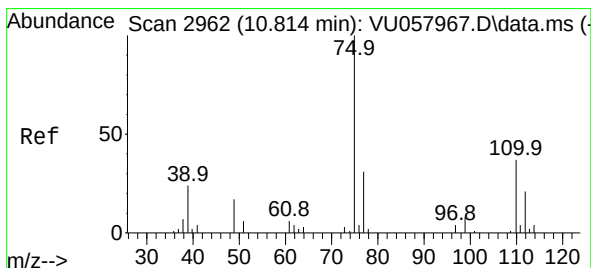
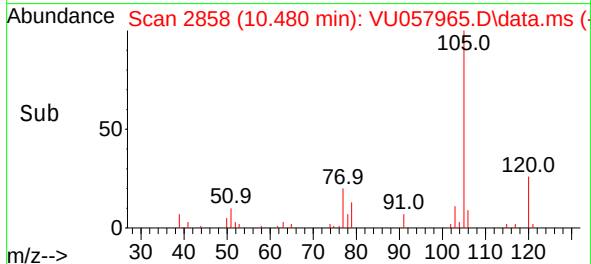
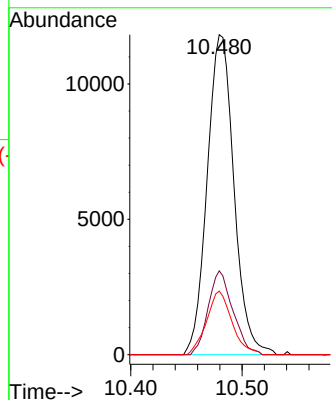
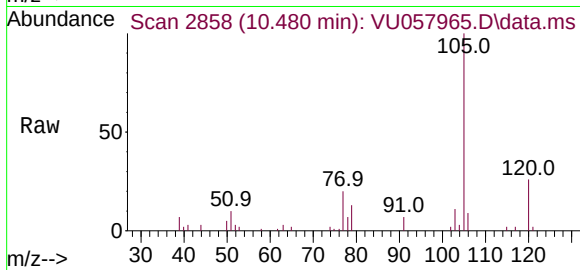




#60
Isopropylbenzene
Concen: 0.394 ug/L
RT: 10.480 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

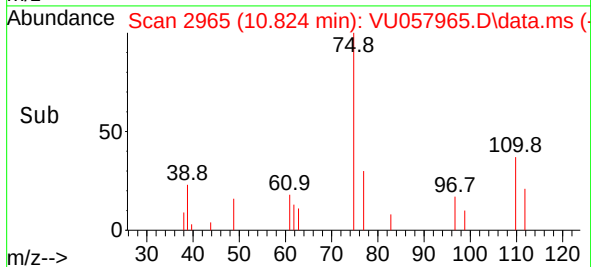
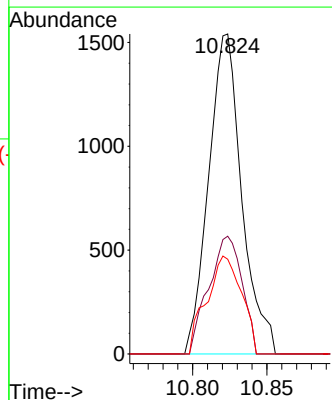
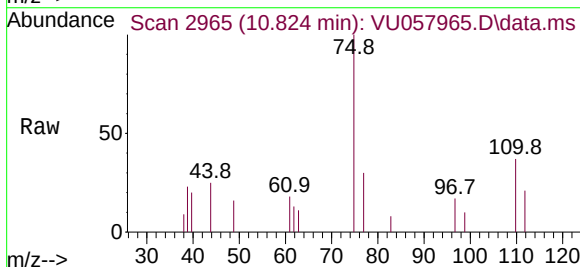
Instrument :
MSVOA_U
ClientSampleId :

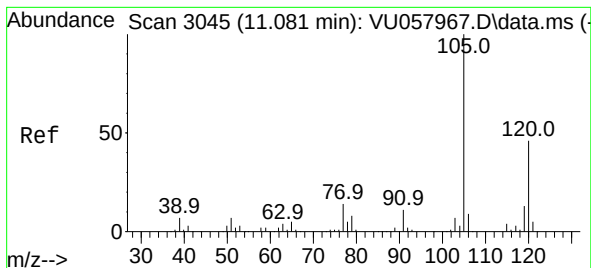
Tgt Ion:105 Resp: 19723
Ion Ratio Lower Upper
105 100
120 24.1 20.4 30.6
77 18.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.376 ug/L
RT: 10.824 min Scan# 2965
Delta R.T. 0.010 min
Lab File: VU057965.D
Acq: 29 Feb 2024 09:40

Tgt Ion: 75 Resp: 2391
Ion Ratio Lower Upper
75 100
110 37.1 28.0 42.0
77 32.2 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 0.361 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

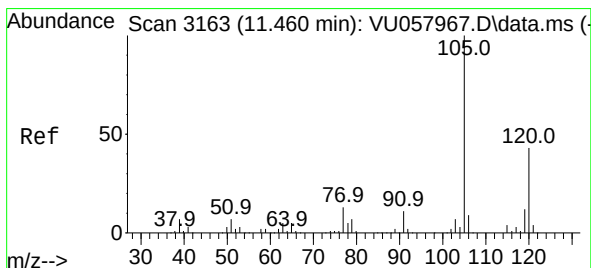
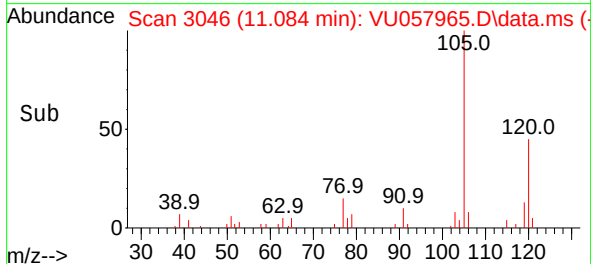
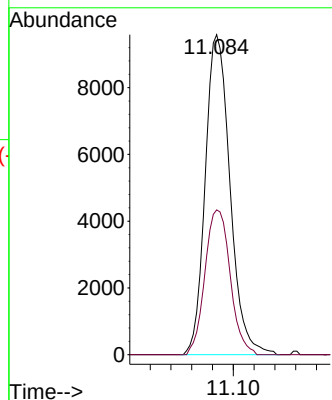
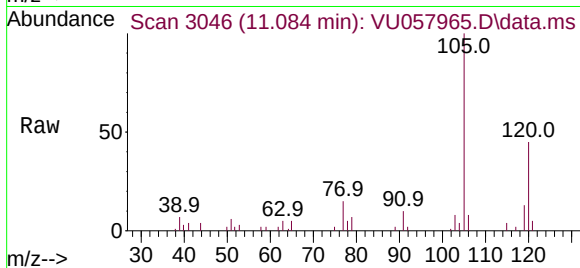
ClientSampleId :

Tgt Ion:105 Resp: 15863

Ion Ratio Lower Upper

105 100

120 46.1 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 0.335 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.007 min

Lab File: VU057965.D

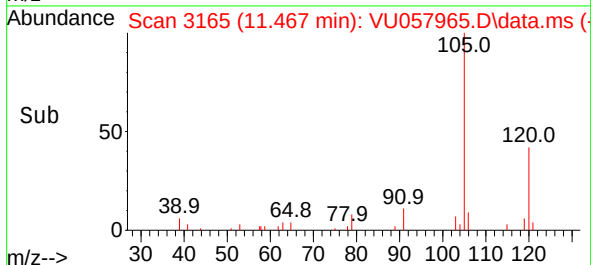
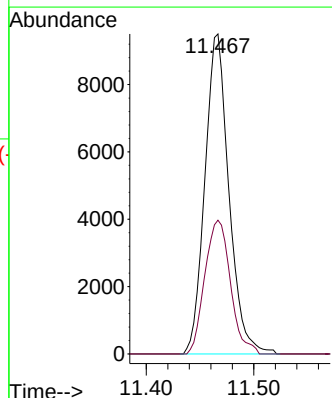
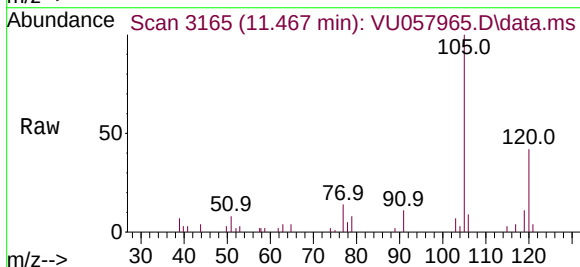
Acq: 29 Feb 2024 09:40

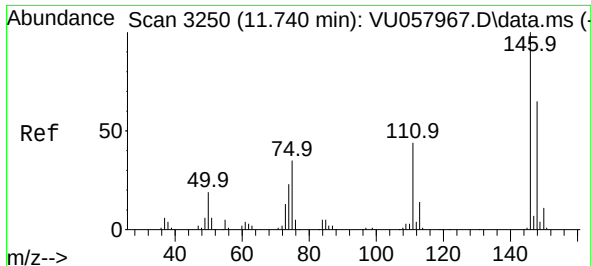
Tgt Ion:105 Resp: 14745

Ion Ratio Lower Upper

105 100

120 44.6 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 0.394 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

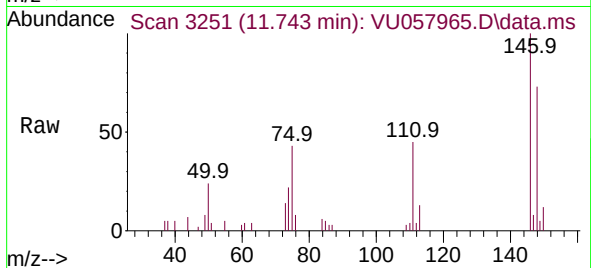
Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :



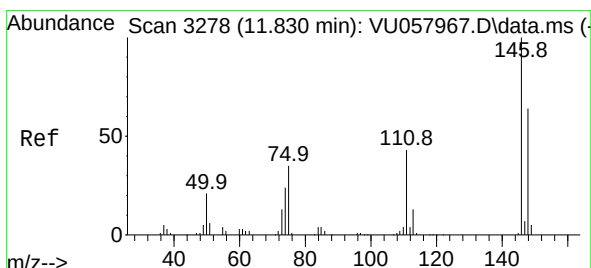
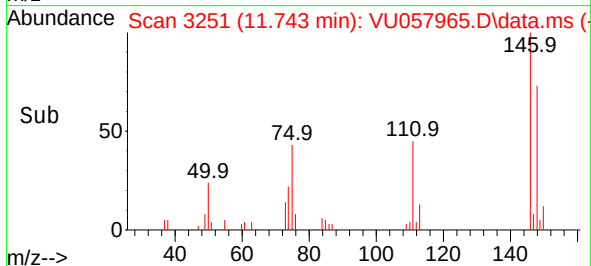
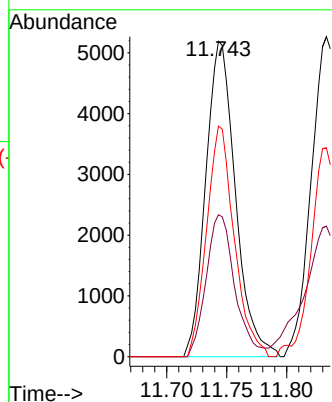
Tgt Ion:146 Resp: 8925

Ion Ratio Lower Upper

146 100

111 45.0 30.9 57.5

148 73.1 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 0.438 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

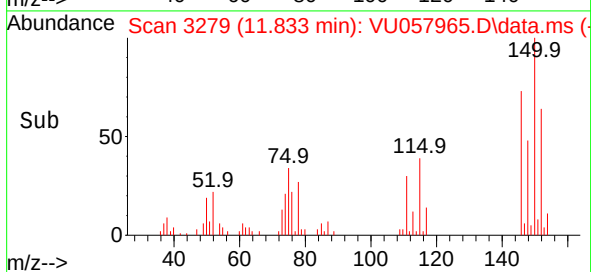
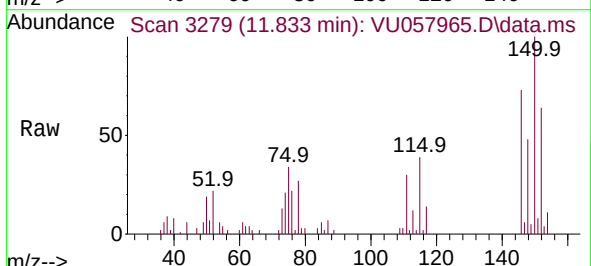
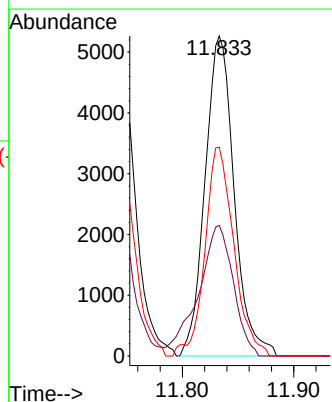
Tgt Ion:146 Resp: 9563

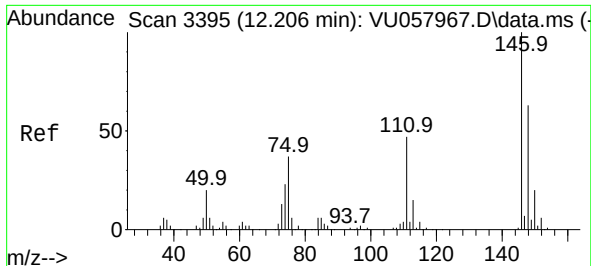
Ion Ratio Lower Upper

146 100

111 43.8 30.1 55.9

148 65.3 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 0.389 ug/L

RT: 12.213 min Scan# 3395

Delta R.T. 0.007 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :

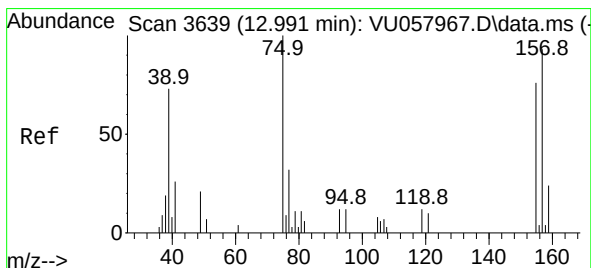
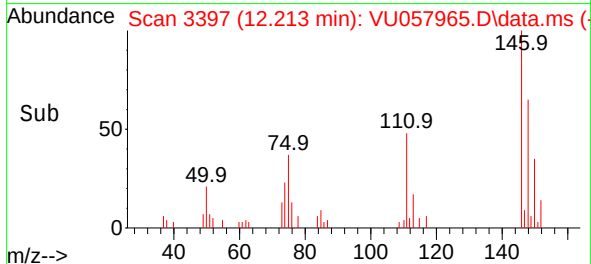
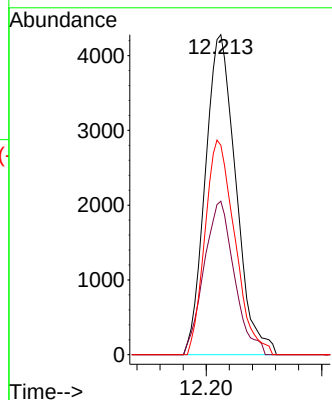
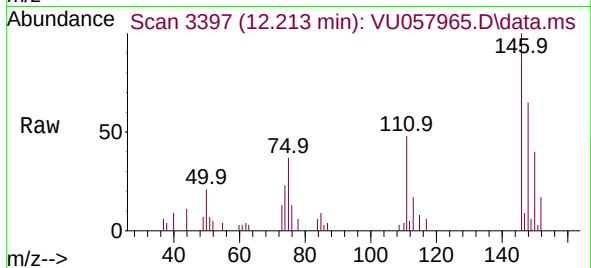
Tgt Ion:146 Resp: 7863

Ion Ratio Lower Upper

146 100

111 48.0 37.4 56.0

148 65.4 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.163 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

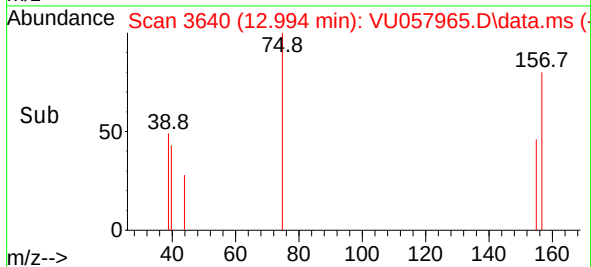
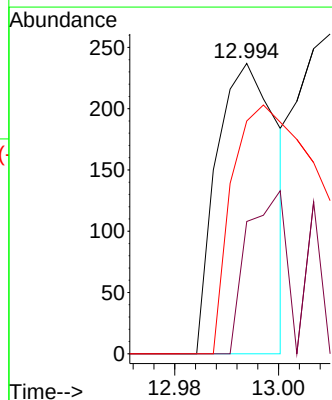
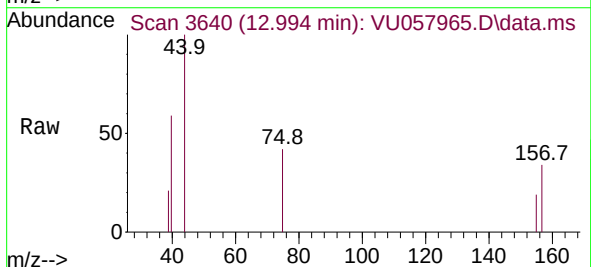
Tgt Ion: 75 Resp: 192

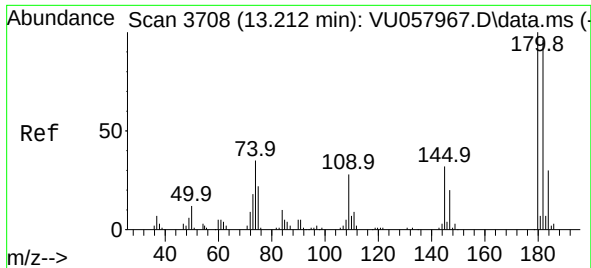
Ion Ratio Lower Upper

75 100

155 45.6 61.0 91.6#

157 80.2 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 0.381 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.007 min

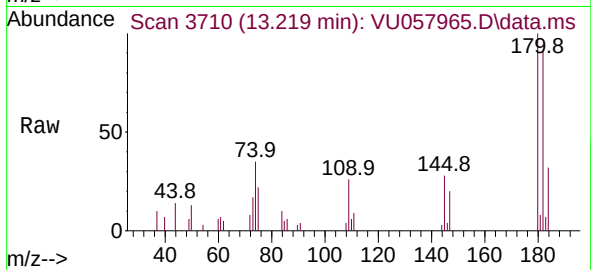
Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 6280

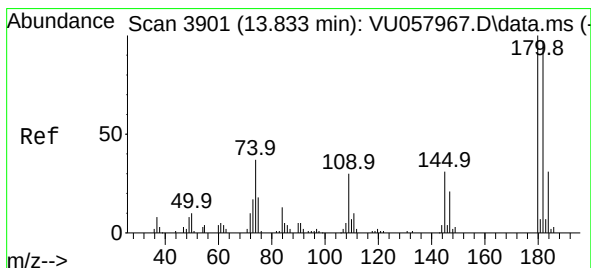
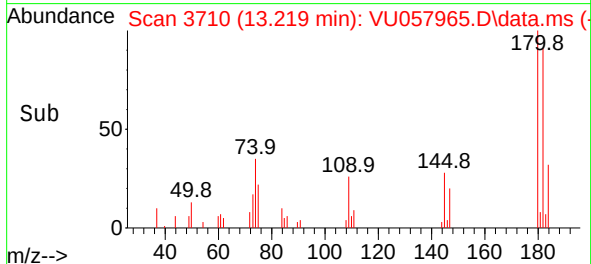
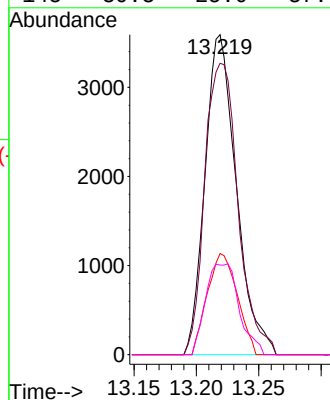
Ion Ratio Lower Upper

180 100

182 96.8 76.3 114.5

184 30.4 24.6 36.8

145 30.3 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 0.359 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

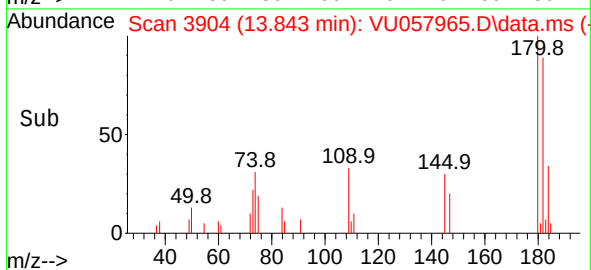
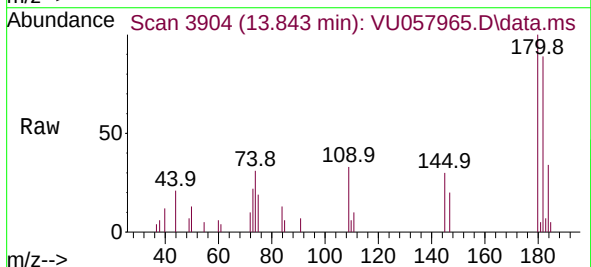
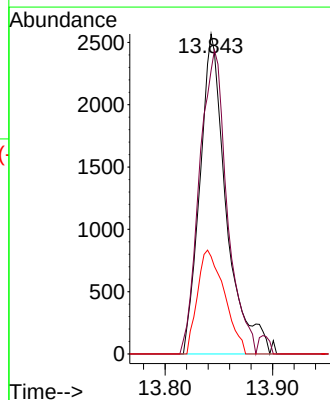
Tgt Ion:180 Resp: 4377

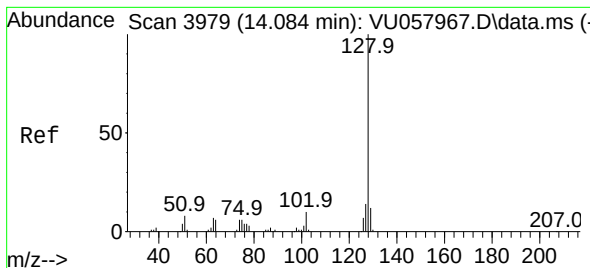
Ion Ratio Lower Upper

180 100

182 99.5 77.9 116.9

145 33.1 25.8 38.8





#71

Naphthalene

Concen: 0.299 ug/L

RT: 14.097 min Scan# 3983

Delta R.T. 0.013 min

Lab File: VU057965.D

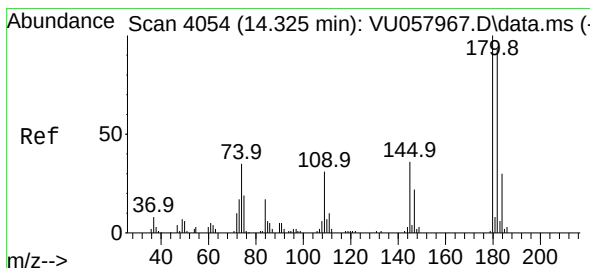
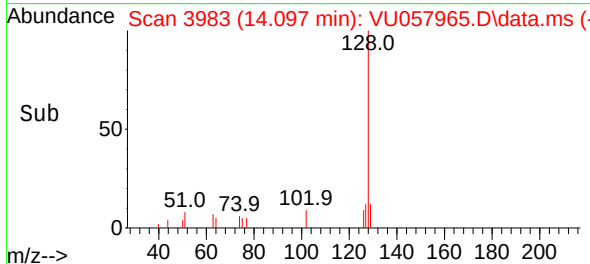
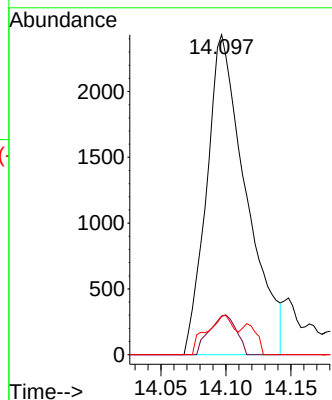
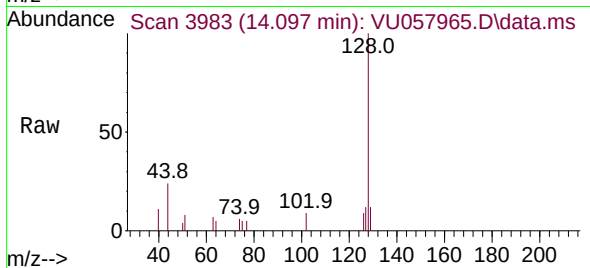
Acq: 29 Feb 2024 09:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	128	Resp:	5128
Ion Ratio	Lower	Upper	
128	100		
129	8.4	9.0	13.6#
127	8.8	10.6	16.0#



#72

1,2,3-Trichlorobenzene

Concen: 0.372 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU057965.D

Acq: 29 Feb 2024 09:40

Tgt Ion:	180	Resp:	3539
Ion Ratio	Lower	Upper	
180	100		
182	96.6	77.6	116.4
145	32.8	28.7	43.1

