

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU059017.D
 Acq On : 25 May 2024 21:54
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 04:17:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	136572	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	138201	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	69600	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	65766	45.530	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.060%
7) Chloroethane-d5	1.885	69	58734	48.927	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.860%
11) 1,1-Dichloroethene-d2	2.554	63	107949	48.916	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.840%
21) 2-Butanone-d5	4.608	46	130434	131.461	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.460%#
24) Chloroform-d	5.052	84	130482	52.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.320%
26) 1,2-Dichloroethane-d4	5.689	65	84979	56.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.160%
32) Benzene-d6	5.718	84	256714	54.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.980%
36) 1,2-Dichloropropane-d6	6.682	67	88615	56.943	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.880%
41) Toluene-d8	7.891	98	223575	52.940	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.880%
43) trans-1,3-Dichloroprop...	8.174	79	35225	50.409	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.820%
47) 2-Hexanone-d5	8.624	63	79774	123.945	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.940%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	133569	57.052	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.100%
66) 1,2-Dichlorobenzene-d4	12.187	152	77797	54.172	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	42219	46.205	ug/L	99
3) Chloromethane	1.515	50	50420	51.495	ug/L	98
5) Vinyl chloride	1.599	62	54554	47.714	ug/L	97
6) Bromomethane	1.824	94	45491	67.126	ug/L	100
8) Chloroethane	1.907	64	40268	51.355	ug/L	99
9) Trichlorofluoromethane	2.123	101	78496	50.476	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	48477	45.857	ug/L	96
12) 1,1-Dichloroethene	2.567	96	39970	47.242	ug/L	89
13) Acetone	2.615	43	86113	98.438	ug/L	98
14) Carbon disulfide	2.779	76	67286	42.271	ug/L	98
15) Methyl Acetate	2.936	43	91047	64.583	ug/L	95
16) Methylene chloride	3.030	84	61271	45.399	ug/L	95
17) trans-1,2-Dichloroethene	3.342	96	39129	46.036	ug/L	95
18) Methyl tert-butyl Ether	3.348	73	186193	55.344	ug/L	98
19) 1,1-Dichloroethane	3.853	63	117940	54.470	ug/L	100
20) cis-1,2-Dichloroethene	4.653	96	57661	51.251	ug/L	93
22) 2-Butanone	4.689	43	134129	117.704	ug/L	97
23) Bromochloromethane	4.962	128	29147	49.697	ug/L	92
25) Chloroform	5.075	83	121543	53.167	ug/L	97

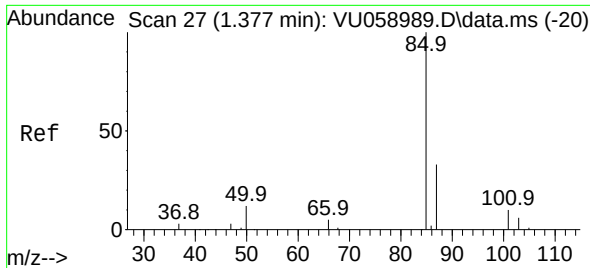
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
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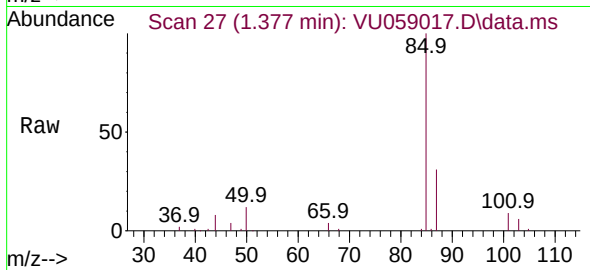
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	95583	54.778	ug/L	100
29) Cyclohexane	5.377	56	62761	53.354	ug/L	94
30) 1,1,1-Trichloroethane	5.303	97	88793	53.532	ug/L	99
31) Carbon tetrachloride	5.512	117	68022	50.772	ug/L	97
33) Benzene	5.763	78	229115	55.144	ug/L	100
34) Trichloroethene	6.534	95	55354	50.197	ug/L	99
35) Methylcyclohexane	6.753	83	59556	46.078	ug/L	94
37) 1,2-Dichloropropane	6.779	63	75746	56.096	ug/L	100
38) Bromodichloromethane	7.097	83	89418	53.285	ug/L #	98
39) cis-1,3-Dichloropropene	7.599	75	91886	49.402	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	250290	130.027	ug/L	98
42) Toluene	7.962	91	235561	52.892	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	89125	50.619	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	71277	53.467	ug/L	99
46) Tetrachloroethene	8.544	164	33289	45.276	ug/L	96
48) 2-Hexanone	8.676	43	207898	131.171	ug/L	95
49) Dibromochloromethane	8.801	129	62098	48.746	ug/L	97
50) 1,2-Dibromoethane	8.917	107	66823	52.458	ug/L	94
51) Chlorobenzene	9.441	112	145826	49.538	ug/L	96
52) Ethylbenzene	9.563	91	245901	51.020	ug/L	98
53) m,p-Xylene	9.689	106	89894	51.925	ug/L	100
54) o-Xylene	10.094	106	91242	52.657	ug/L	95
55) Styrene	10.107	104	160196	51.756	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	139595	58.108	ug/L	97
59) Bromoform	10.283	173	48320	52.380	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	110113	62.170	ug/L	98
61) Isopropylbenzene	10.476	105	241275	54.286	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	185692	53.033	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	194164	54.985	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	112424	48.724	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	114213	49.007	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	123264	52.523	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	30435	63.518	ug/L	90
69) 1,3,5-Trichlorobenzene	13.213	180	73814	45.418	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	61871	44.199	ug/L	97
71) Naphthalene	14.081	128	192260	47.088	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	67516	47.088	ug/L	98

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

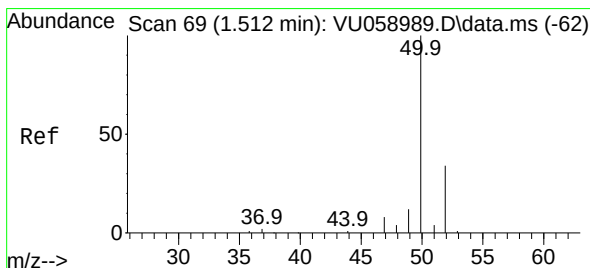
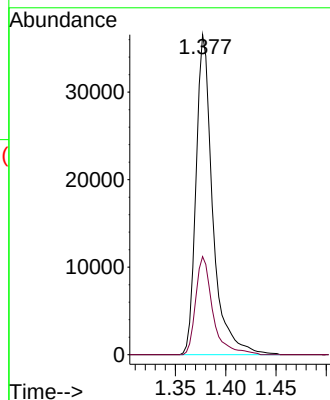
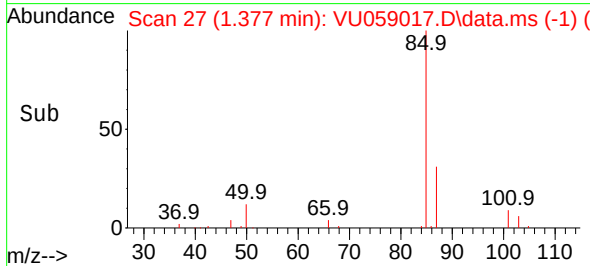


#2
 Dichlorodifluoromethane
 Concen: 46.205 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU059017.D
 Acq: 25 May 2024 21:54

Instrument :
 MSVOA_U
 ClientSampleId :

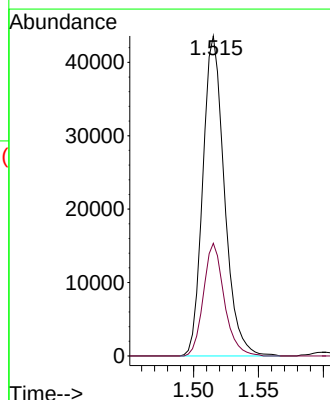
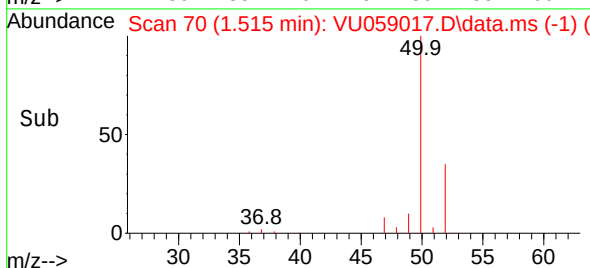
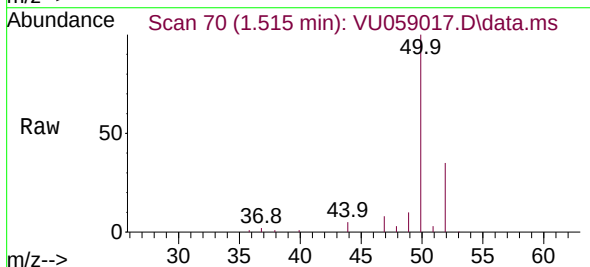


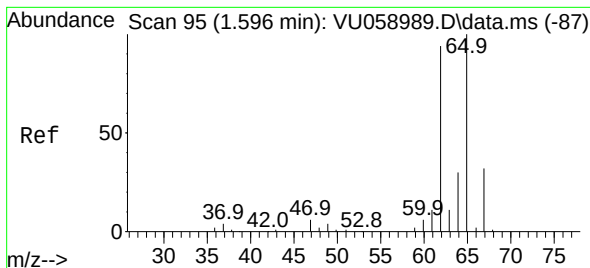
Tgt Ion: 85 Resp: 42219
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.7 38.5



#3
 Chloromethane
 Concen: 51.495 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VU059017.D
 Acq: 25 May 2024 21:54

Tgt Ion: 50 Resp: 50420
 Ion Ratio Lower Upper
 50 100
 52 35.2 23.9 44.3





#5

Vinyl chloride

Concen: 47.714 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.003 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

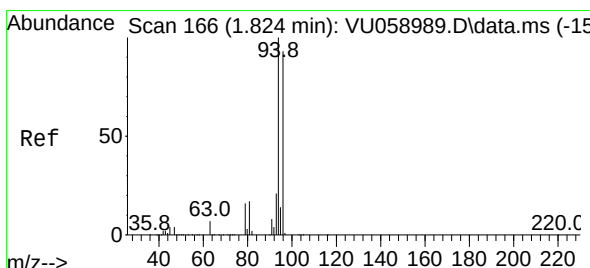
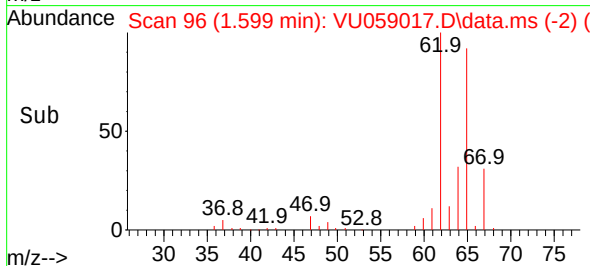
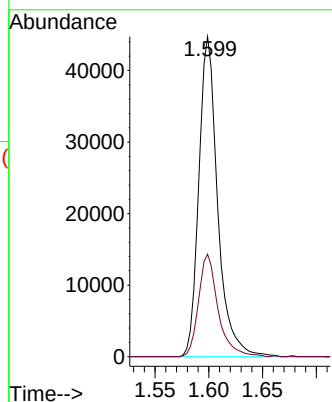
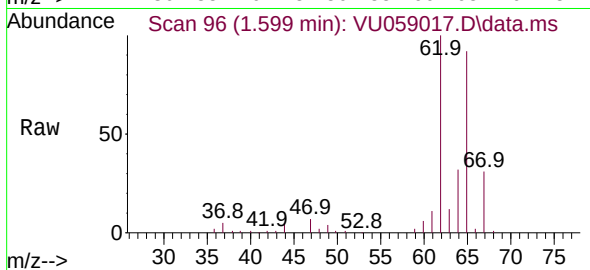
ClientSampleId :

Tgt Ion: 62 Resp: 54554

Ion Ratio Lower Upper

62 100

64 32.0 23.7 43.9



#6

Bromomethane

Concen: 67.126 ug/L

RT: 1.824 min Scan# 166

Delta R.T. 0.000 min

Lab File: VU059017.D

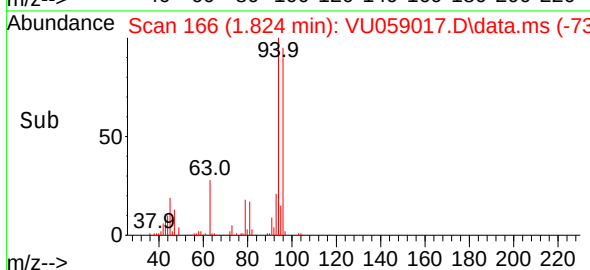
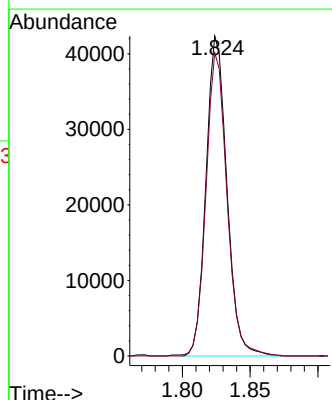
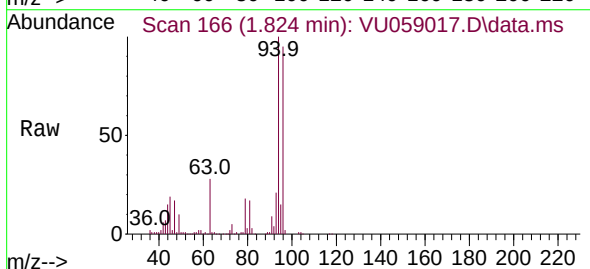
Acq: 25 May 2024 21:54

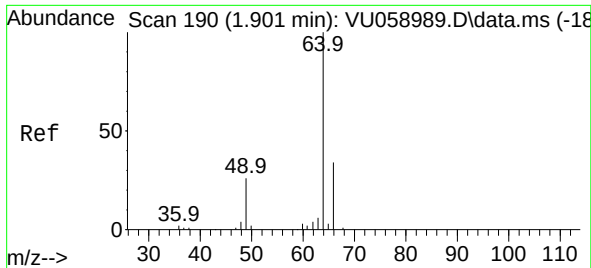
Tgt Ion: 94 Resp: 45491

Ion Ratio Lower Upper

94 100

96 94.8 66.6 123.6





#8

Chloroethane

Concen: 51.355 ug/L

RT: 1.907 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

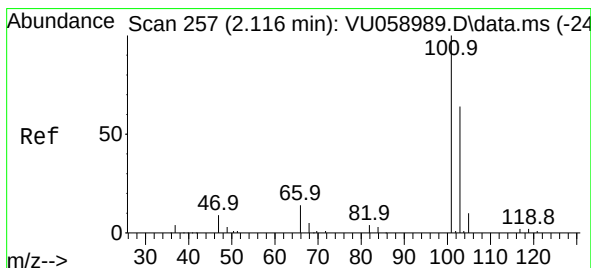
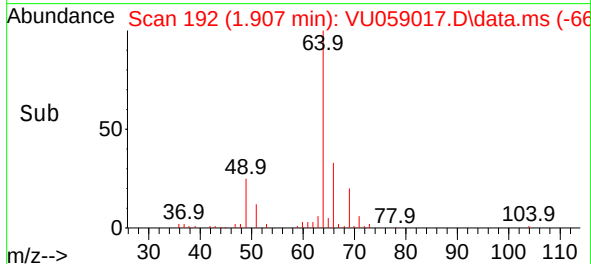
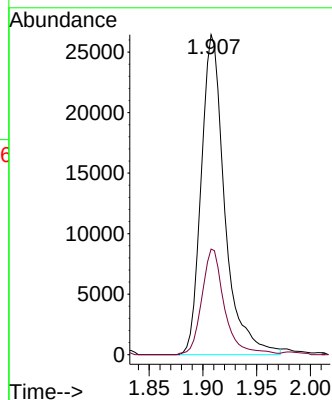
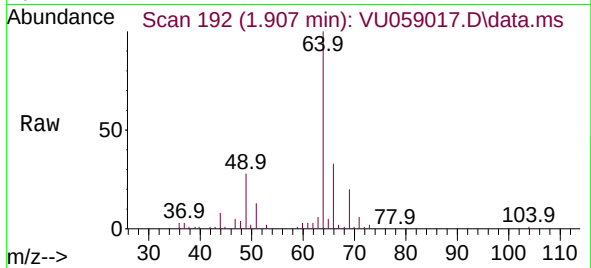
ClientSampleId :

Tgt Ion: 64 Resp: 40268

Ion Ratio Lower Upper

64 100

66 33.0 22.7 42.1



#9

Trichlorofluoromethane

Concen: 50.476 ug/L

RT: 2.123 min Scan# 259

Delta R.T. 0.006 min

Lab File: VU059017.D

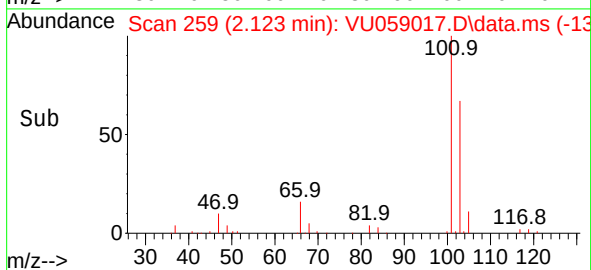
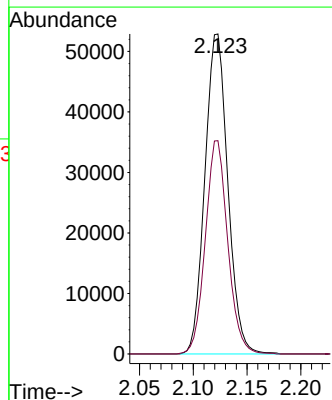
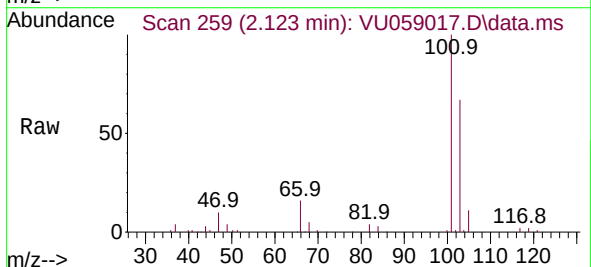
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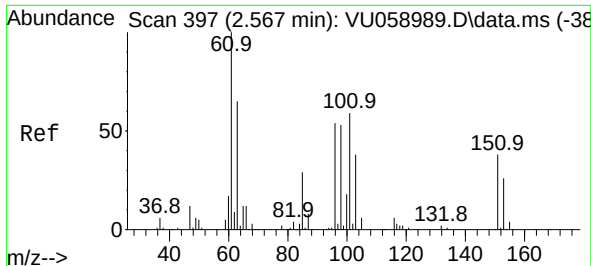
Tgt Ion:101 Resp: 78496

Ion Ratio Lower Upper

101 100

103 65.0 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.857 ug/L

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

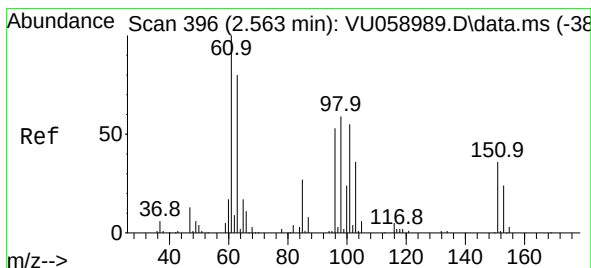
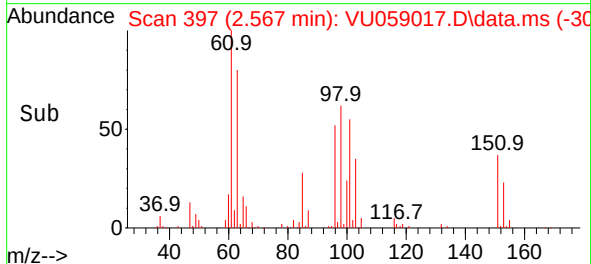
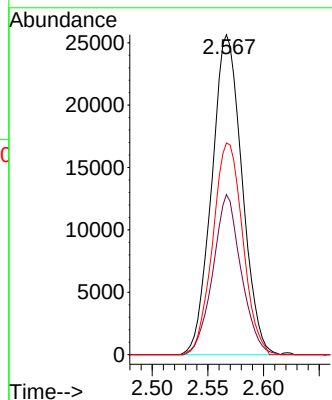
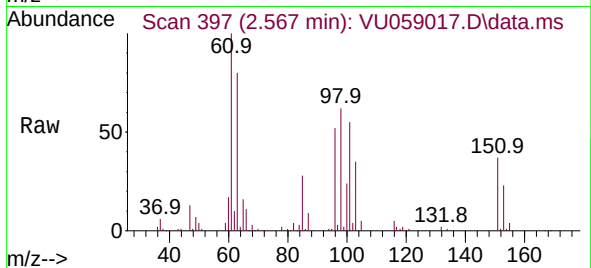
Tgt Ion:101 Resp: 48477

Ion Ratio Lower Upper

101 100

85 46.6 34.9 52.3

151 65.5 54.5 81.7



#12

1,1-Dichloroethene

Concen: 47.242 ug/L

RT: 2.567 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

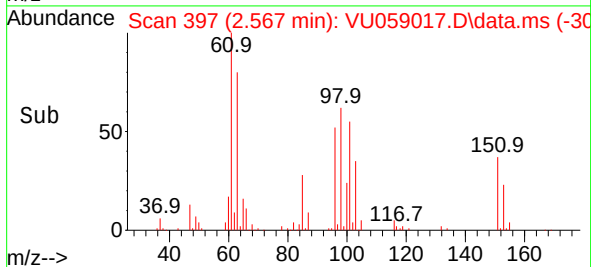
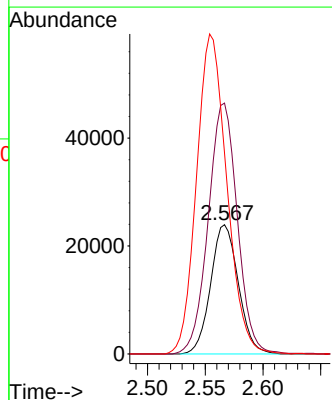
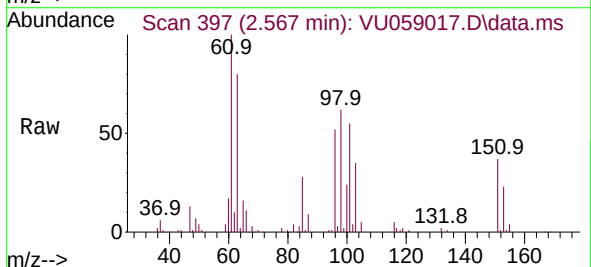
Tgt Ion: 96 Resp: 39970

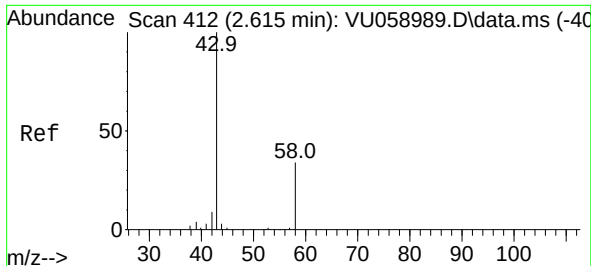
Ion Ratio Lower Upper

96 100

61 194.0 122.2 227.0

63 155.5 102.8 190.8





#13

Acetone

Concen: 98.438 ug/L

RT: 2.615 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

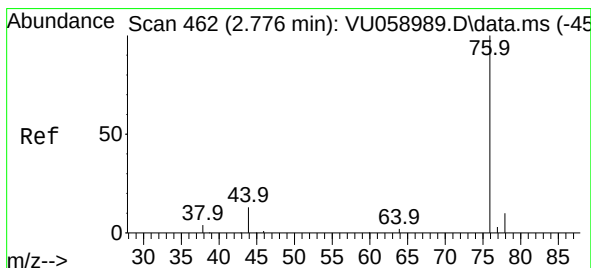
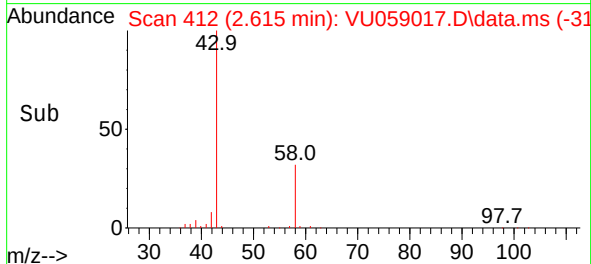
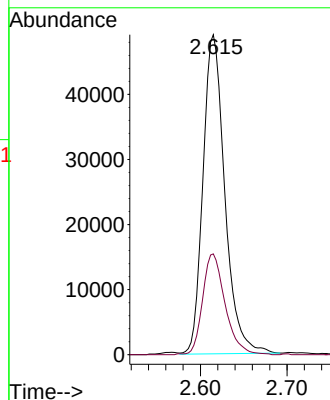
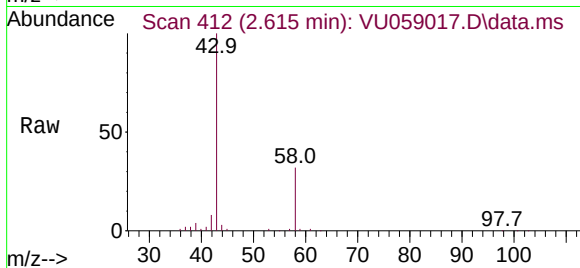
ClientSampleId :

Tgt Ion: 43 Resp: 86113

Ion Ratio Lower Upper

43 100

58 32.4 0.0 67.2



#14

Carbon disulfide

Concen: 42.271 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU059017.D

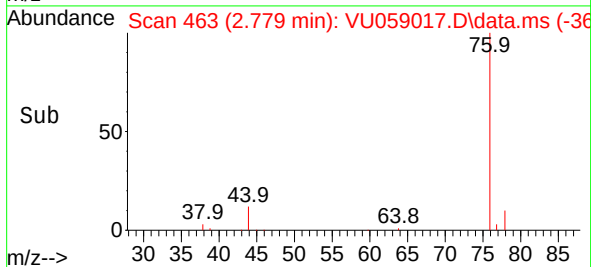
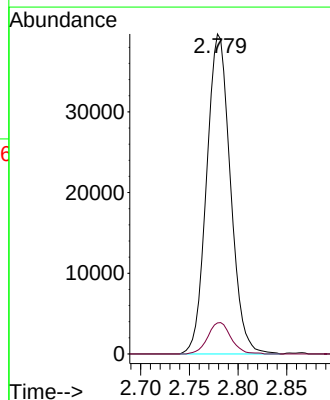
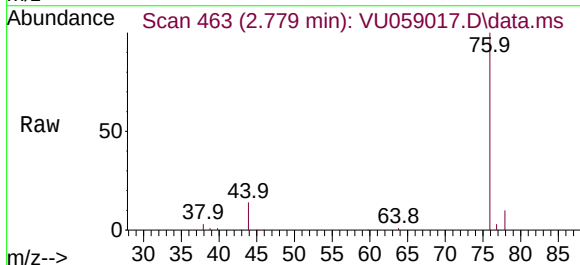
Acq: 25 May 2024 21:54

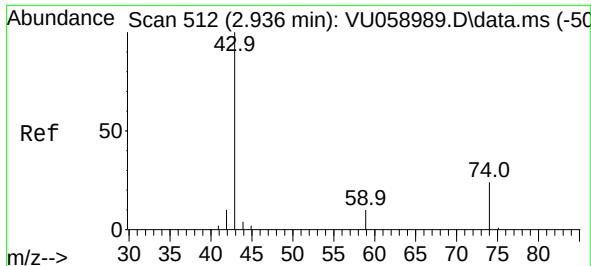
Tgt Ion: 76 Resp: 67286

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7





#15

Methyl Acetate

Concen: 64.583 ug/L

RT: 2.936 min Scan# 512

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

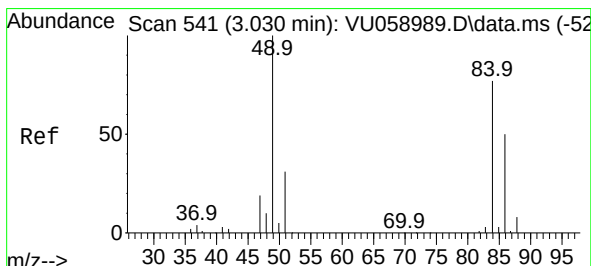
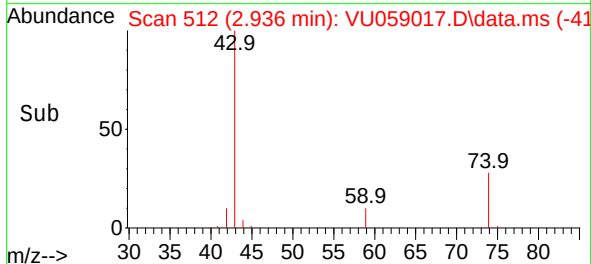
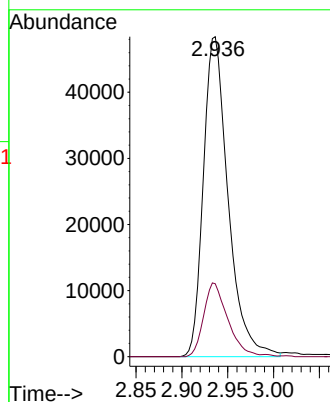
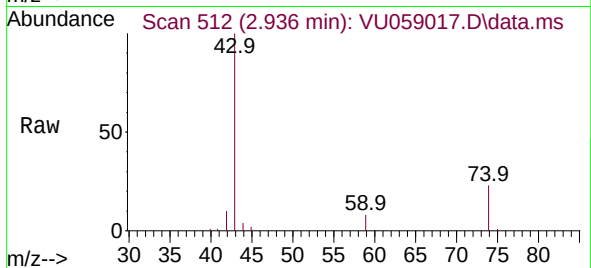
ClientSampleId :

Tgt Ion: 43 Resp: 91047

Ion Ratio Lower Upper

43 100

74 22.3 19.8 29.8



#16

Methylene chloride

Concen: 45.399 ug/L

RT: 3.030 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

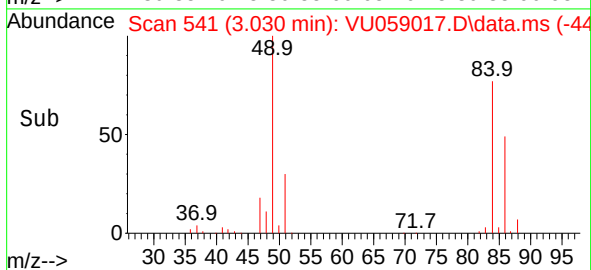
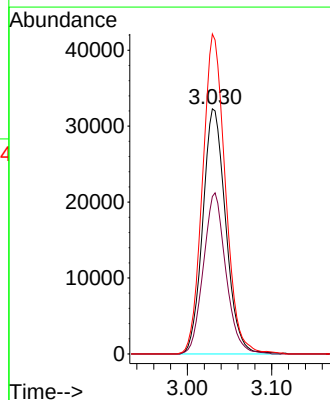
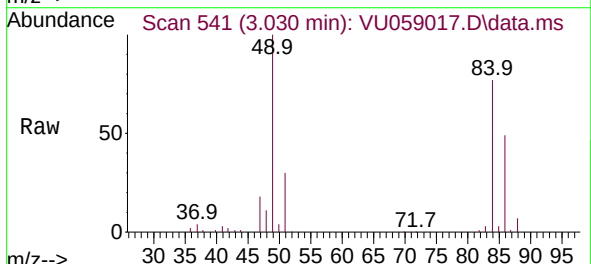
Tgt Ion: 84 Resp: 61271

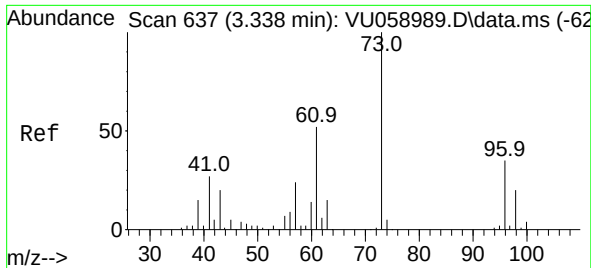
Ion Ratio Lower Upper

84 100

86 64.3 44.9 83.5

49 130.6 85.4 158.6

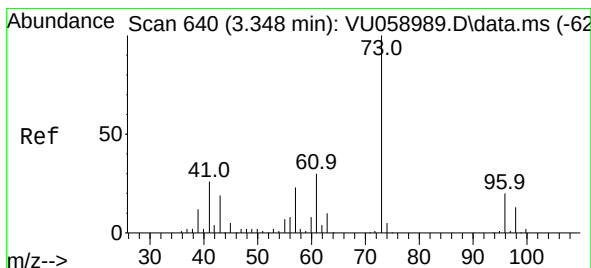
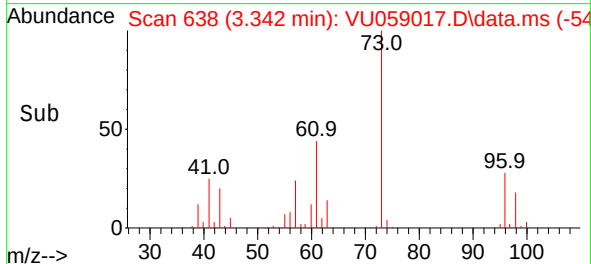
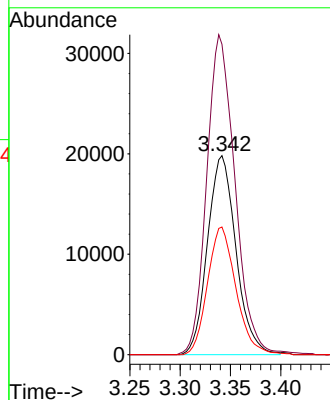
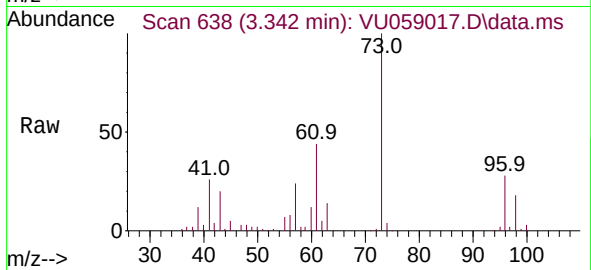




#17
trans-1,2-Dichloroethene
Concen: 46.036 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

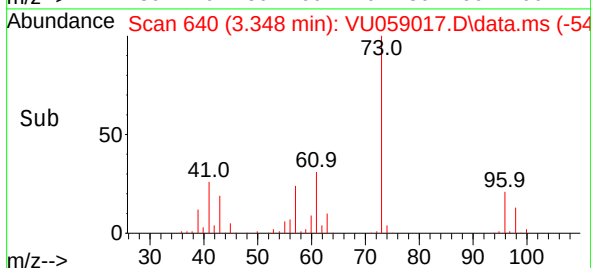
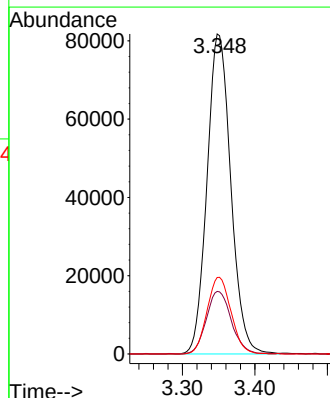
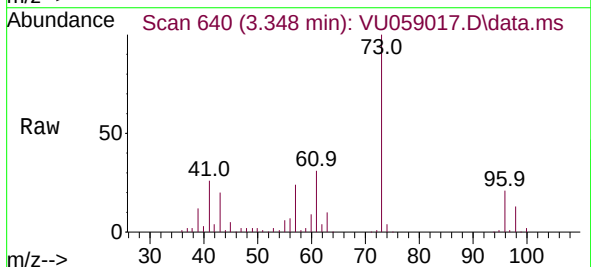
Instrument :
MSVOA_U
ClientSampleId :

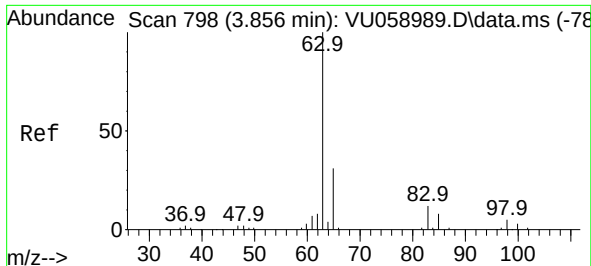
Tgt Ion: 96 Resp: 39129
Ion Ratio Lower Upper
96 100
61 156.0 103.5 192.1
98 64.2 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 55.344 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion: 73 Resp: 186193
Ion Ratio Lower Upper
73 100
43 20.7 15.4 23.2
57 24.1 18.6 27.8





#19

1,1-Dichloroethane

Concen: 54.470 ug/L

RT: 3.853 min Scan# 798

Delta R.T. -0.003 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

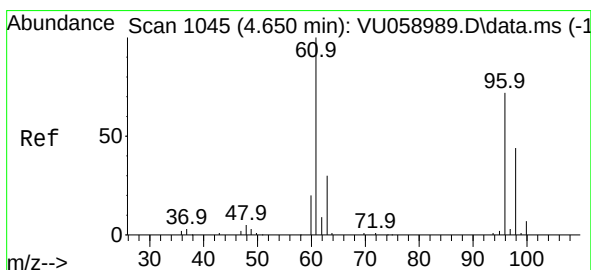
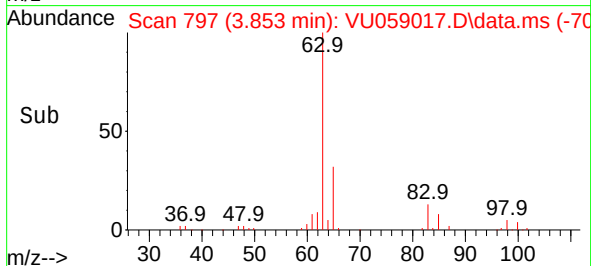
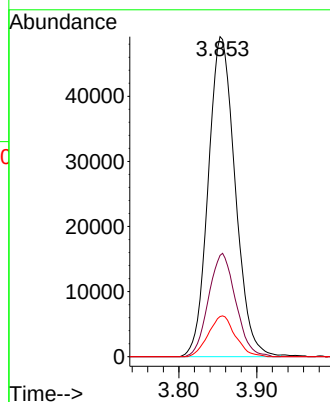
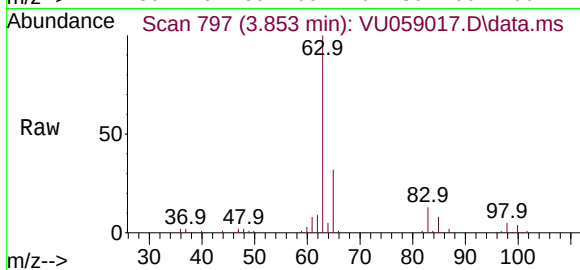
Tgt Ion: 63 Resp: 117940

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.3

83 12.5 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 51.251 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

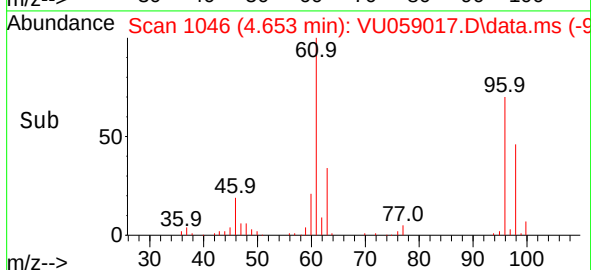
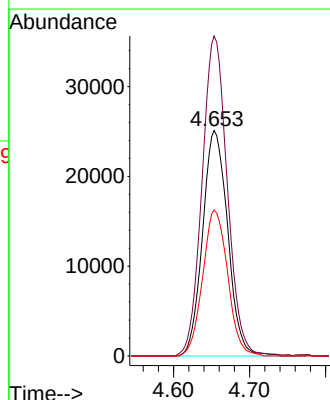
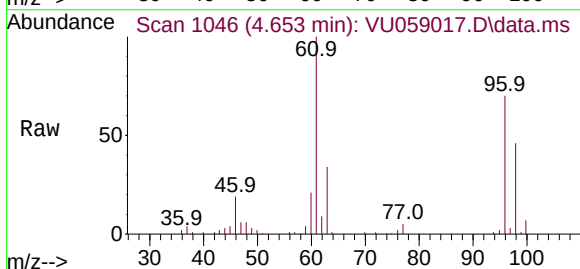
Tgt Ion: 96 Resp: 57661

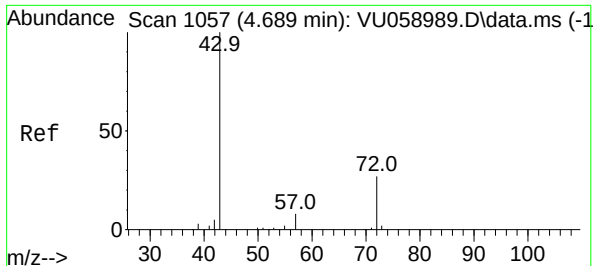
Ion Ratio Lower Upper

96 100

61 142.0 91.1 169.3

98 64.7 44.4 82.4

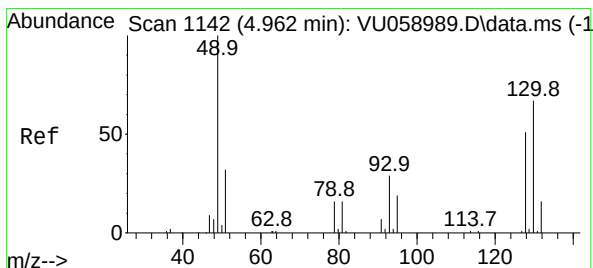
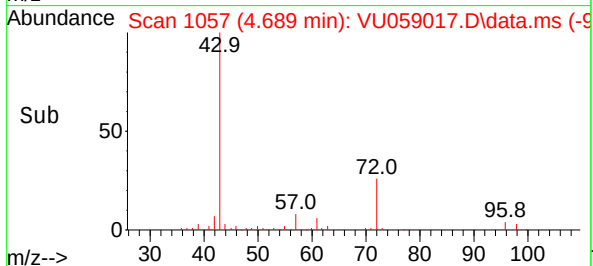
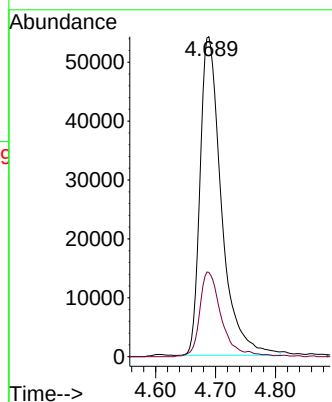
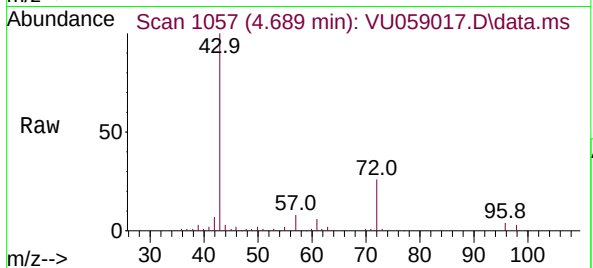




#22
2-Butanone
Concen: 117.704 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

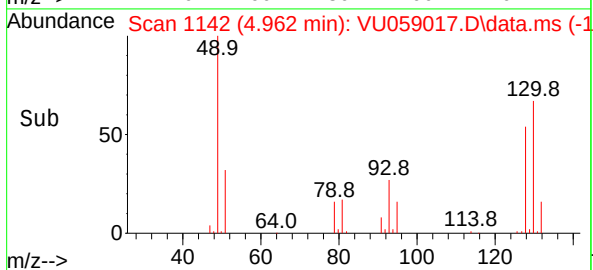
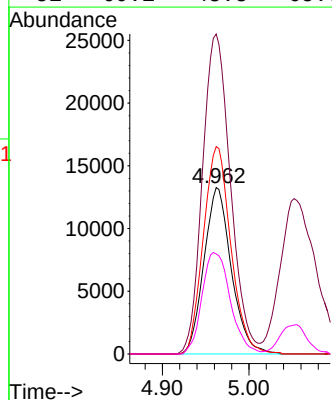
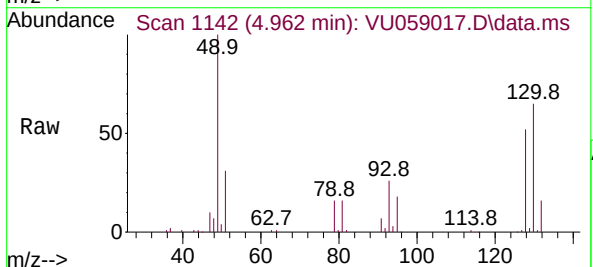
Instrument :
MSVOA_U
ClientSampleId :

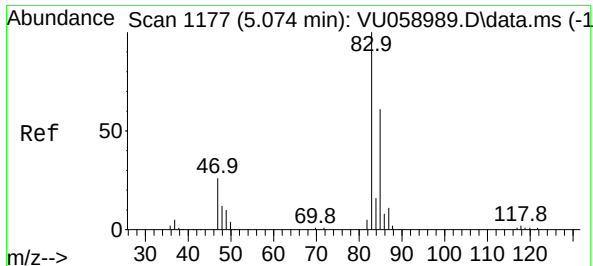
Tgt Ion: 43 Resp: 134129
Ion Ratio Lower Upper
43 100
72 26.1 13.9 41.7



#23
Bromochloromethane
Concen: 49.697 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion:128 Resp: 29147
Ion Ratio Lower Upper
128 100
49 192.3 123.8 229.8
130 124.6 90.6 168.2
51 60.1 43.8 65.6





#25

Chloroform

Concen: 53.167 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

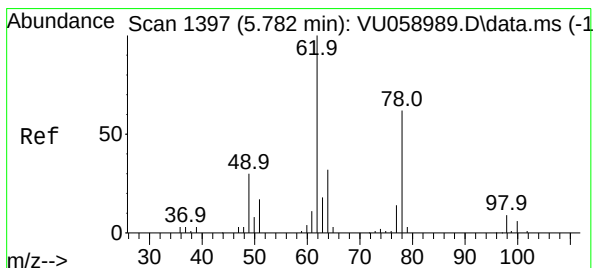
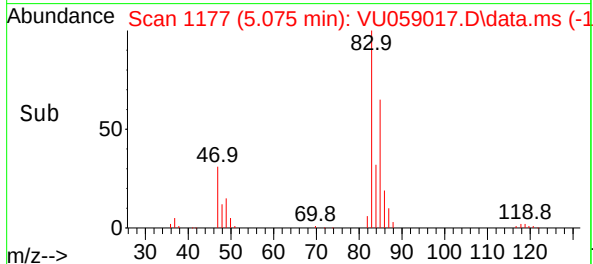
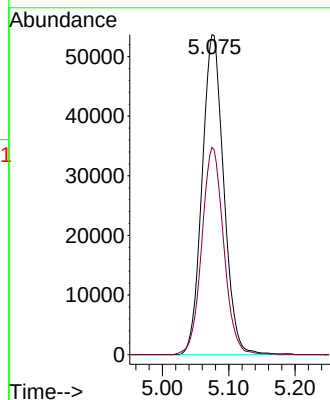
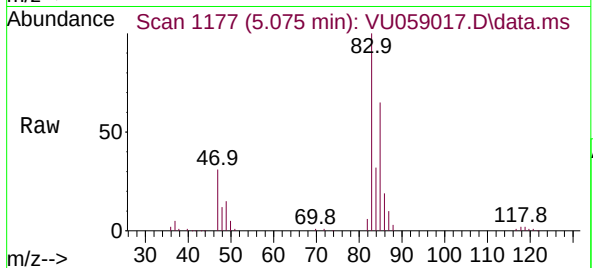
ClientSampleId :

Tgt Ion: 83 Resp: 121543

Ion Ratio Lower Upper

83 100

85 64.7 43.8 81.3



#27

1,2-Dichloroethane

Concen: 54.778 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU059017.D

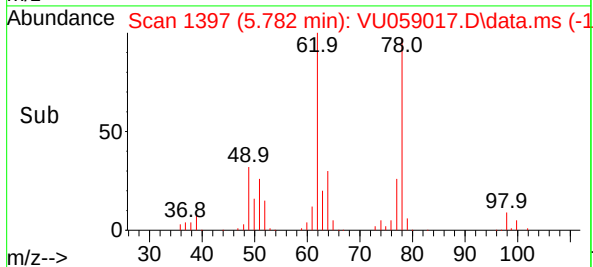
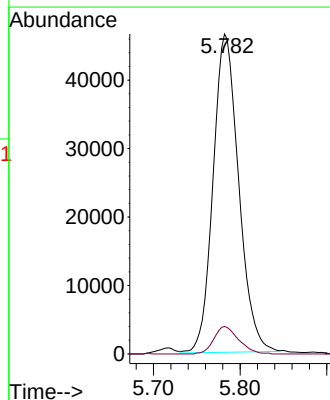
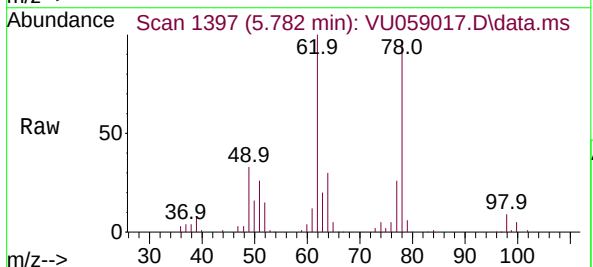
Acq: 25 May 2024 21:54

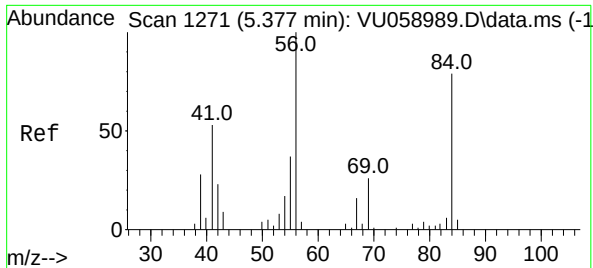
Tgt Ion: 62 Resp: 95583

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.4





#29

Cyclohexane

Concen: 53.354 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

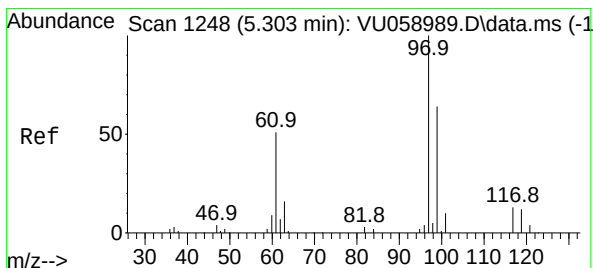
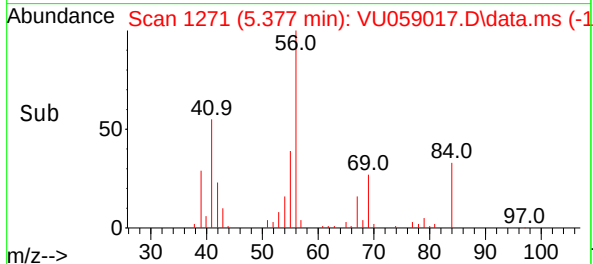
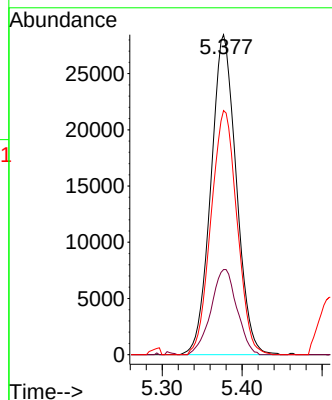
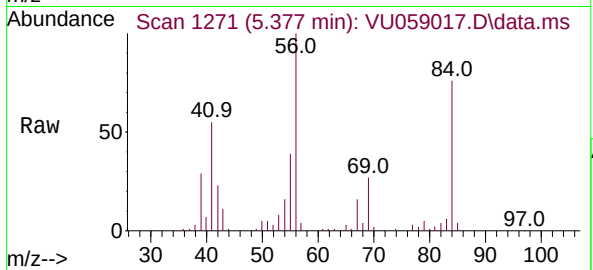
Tgt Ion: 56 Resp: 62761

Ion Ratio Lower Upper

56 100

69 27.2 24.3 36.5

84 78.0 66.7 100.1



#30

1,1,1-Trichloroethane

Concen: 53.532 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

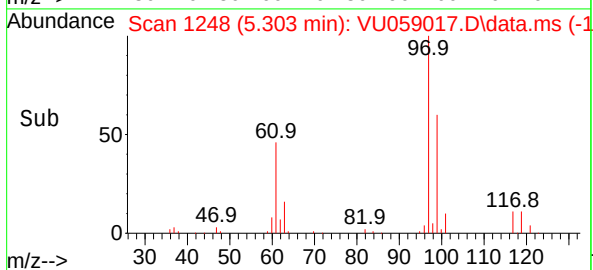
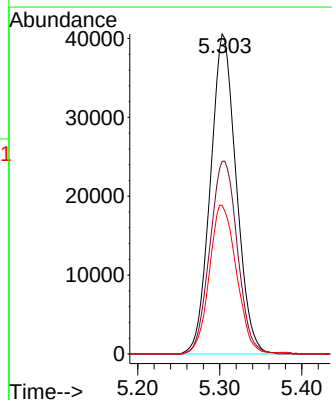
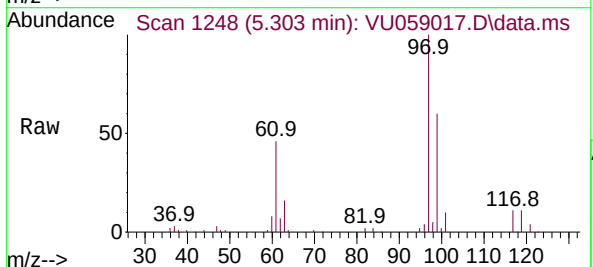
Tgt Ion: 97 Resp: 88793

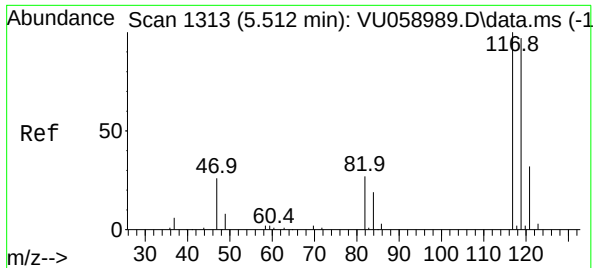
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.8

61 48.7 38.9 58.3

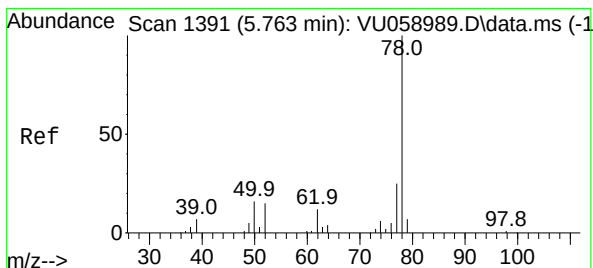
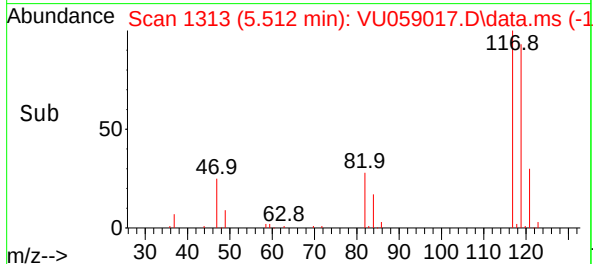
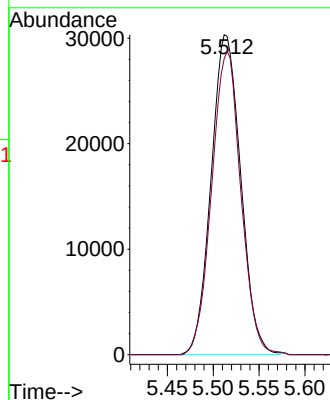
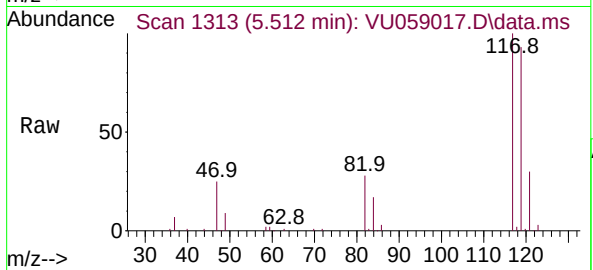




#31
Carbon tetrachloride
Concen: 50.772 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

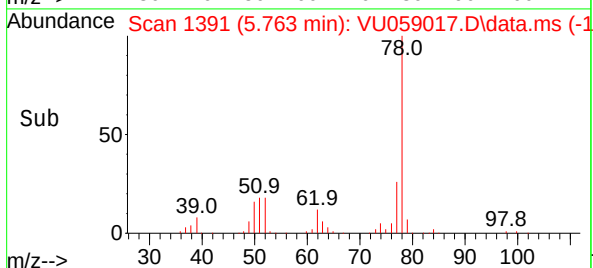
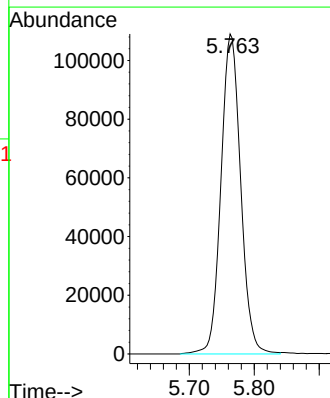
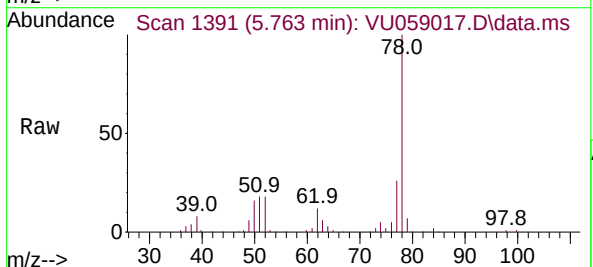
Instrument :
MSVOA_U
ClientSampleId :

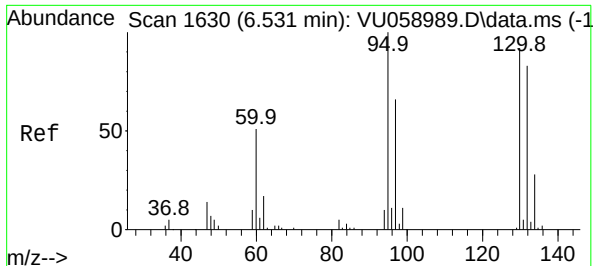
Tgt Ion:117 Resp: 68022
Ion Ratio Lower Upper
117 100
119 93.4 77.4 116.0



#33
Benzene
Concen: 55.144 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion: 78 Resp: 229115





#34

Trichloroethene

Concen: 50.197 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

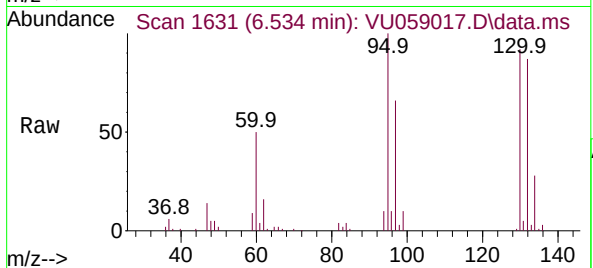
Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 55354

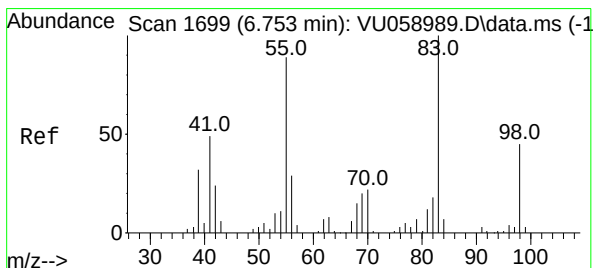
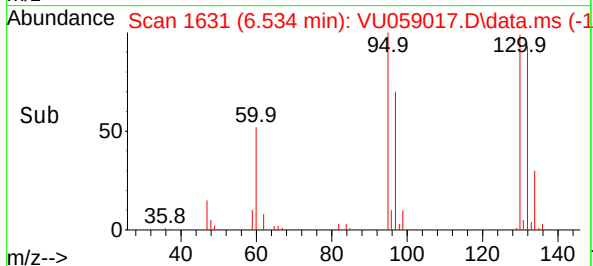
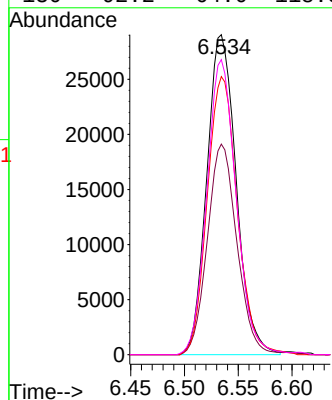
Ion Ratio Lower Upper

95 100

97 65.8 45.9 85.3

132 86.9 60.5 112.5

130 92.2 64.0 118.8



#35

Methylcyclohexane

Concen: 46.078 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

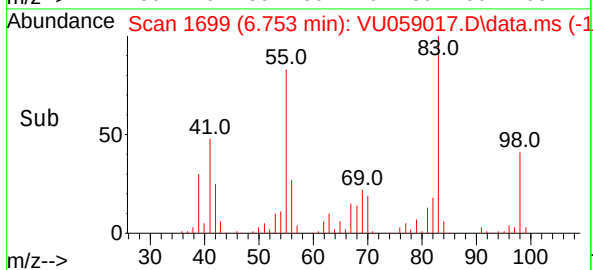
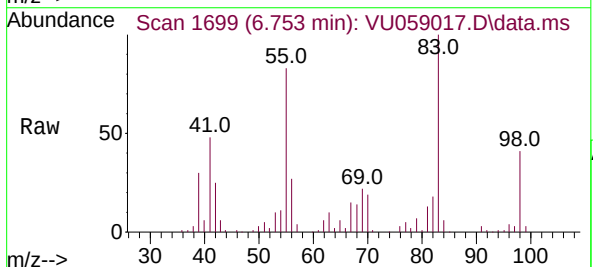
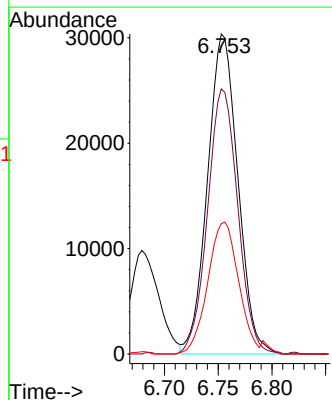
Tgt Ion: 83 Resp: 59556

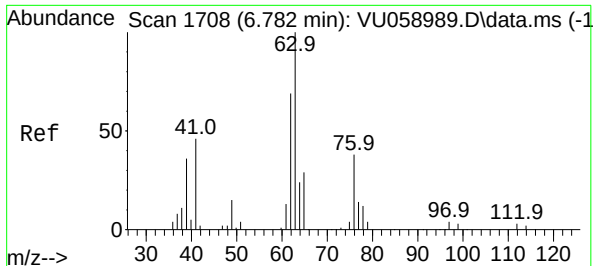
Ion Ratio Lower Upper

83 100

55 82.6 61.5 92.3

98 41.8 36.2 54.2

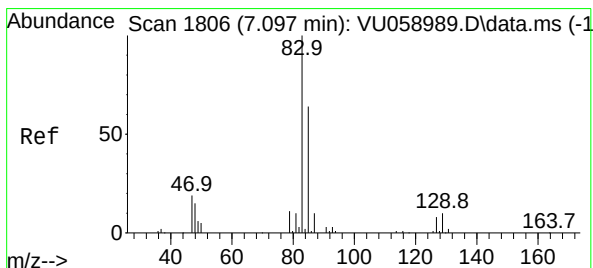
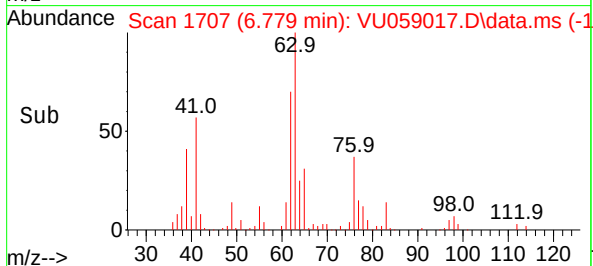
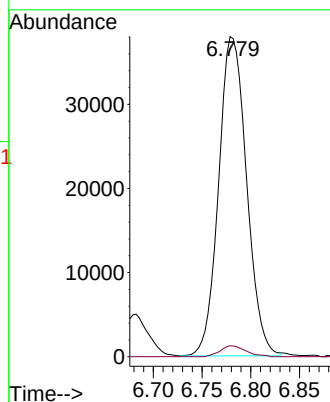
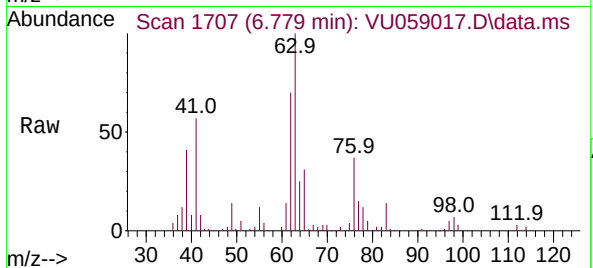




#37
1,2-Dichloropropane
Concen: 56.096 ug/L
RT: 6.779 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

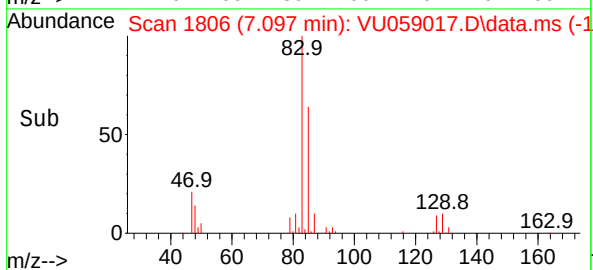
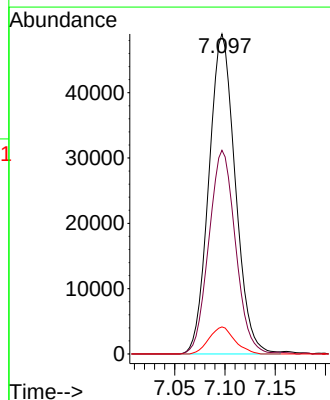
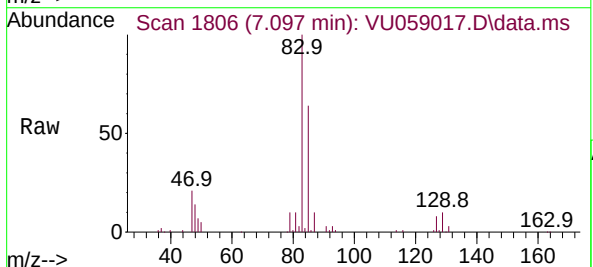
Instrument :
MSVOA_U
ClientSampleId :

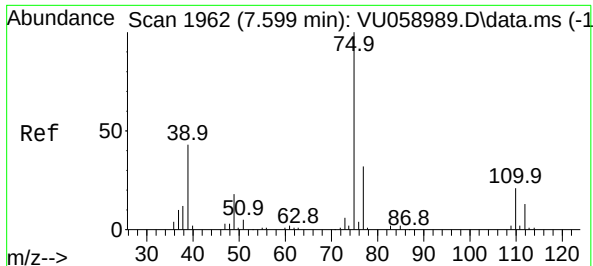
Tgt Ion: 63 Resp: 75746
Ion Ratio Lower Upper
63 100
112 3.2 2.5 3.7



#38
Bromodichloromethane
Concen: 53.285 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion: 83 Resp: 89418
Ion Ratio Lower Upper
83 100
85 63.7 43.5 80.9
127 9.3 5.8 8.6#

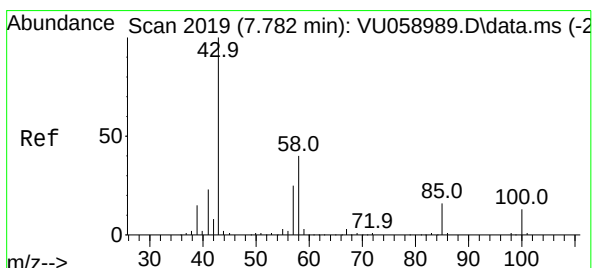
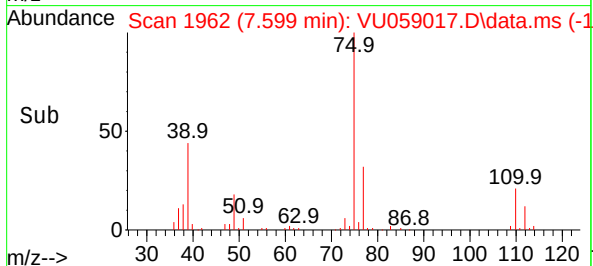
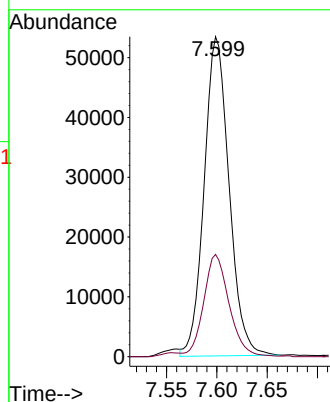
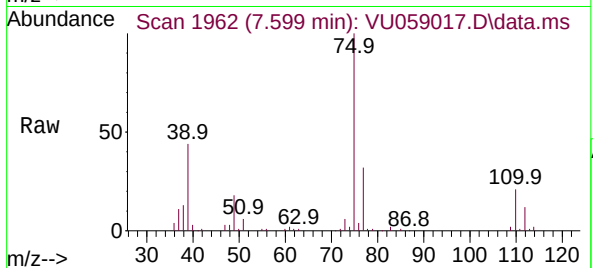




#39
 cis-1,3-Dichloropropene
 Concen: 49.402 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU059017.D
 Acq: 25 May 2024 21:54

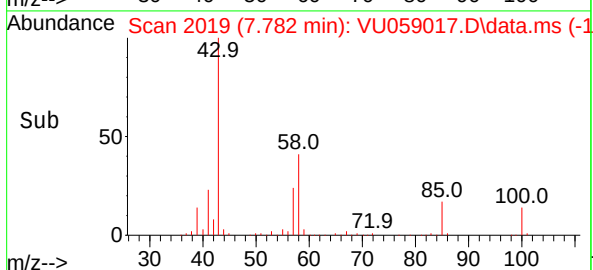
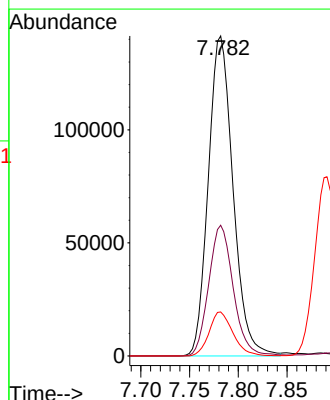
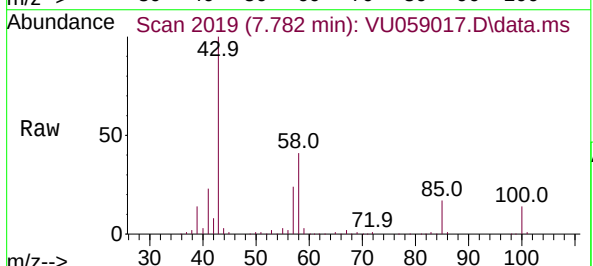
Instrument :
 MSVOA_U
 ClientSampleId :

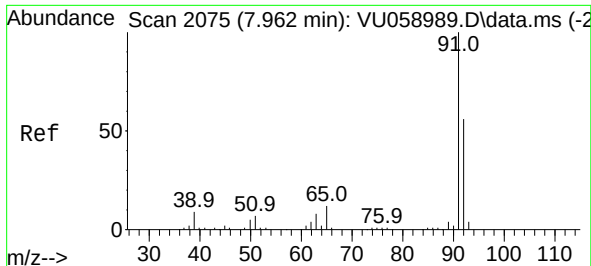
Tgt Ion: 75 Resp: 91886
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 130.027 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU059017.D
 Acq: 25 May 2024 21:54

Tgt Ion: 43 Resp: 250290
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.5 50.3
 100 13.3 11.8 17.8





#42

Toluene

Concen: 52.892 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

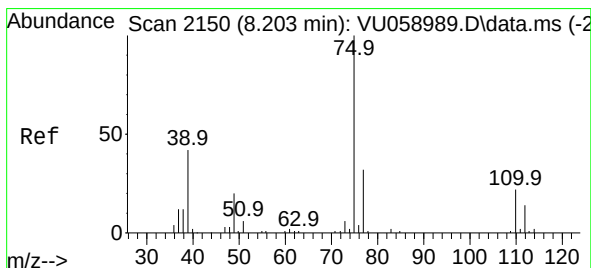
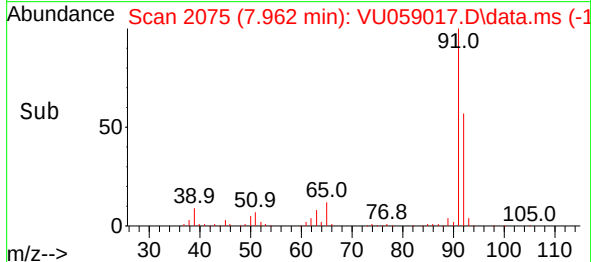
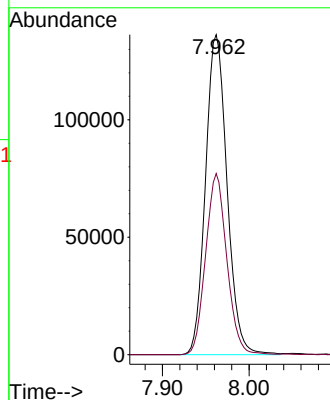
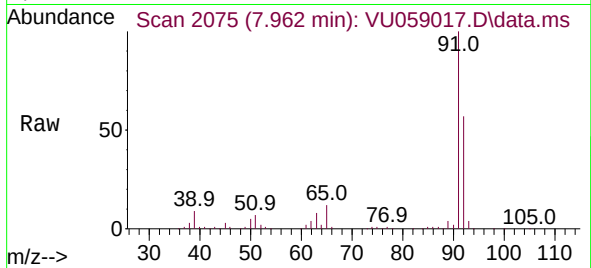
ClientSampleId :

Tgt Ion: 91 Resp: 235561

Ion Ratio Lower Upper

91 100

92 56.6 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 50.619 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059017.D

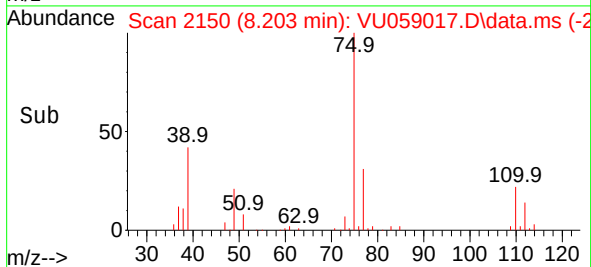
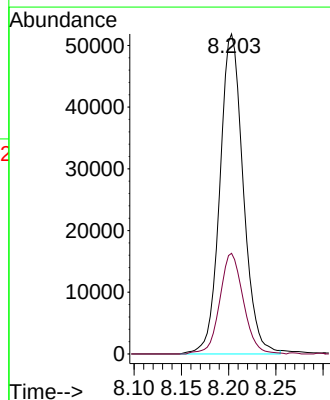
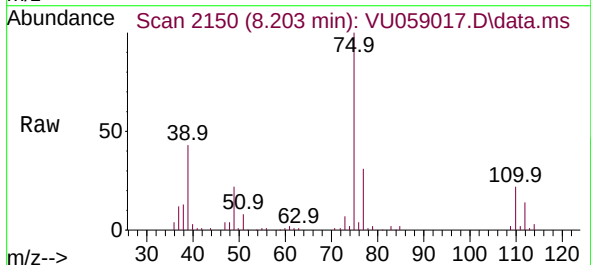
Acq: 25 May 2024 21:54

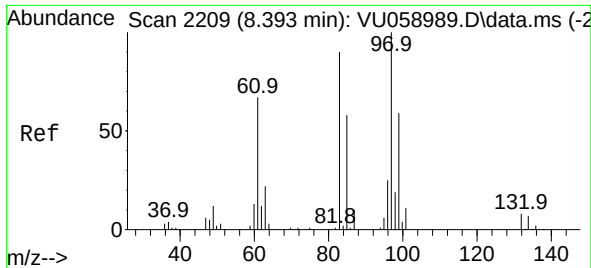
Tgt Ion: 75 Resp: 89125

Ion Ratio Lower Upper

75 100

77 31.5 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 53.467 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 71277

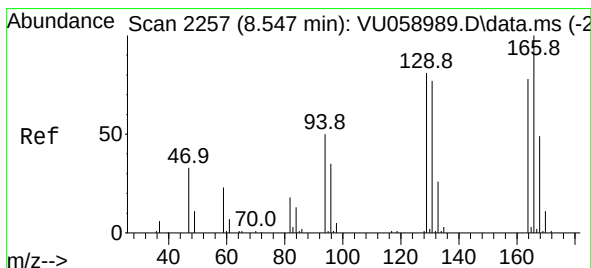
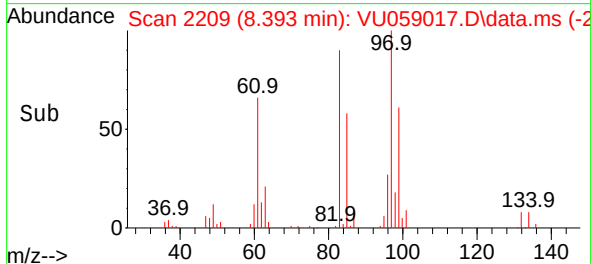
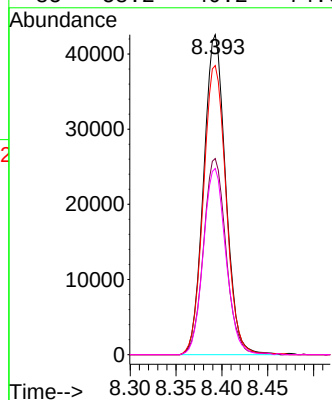
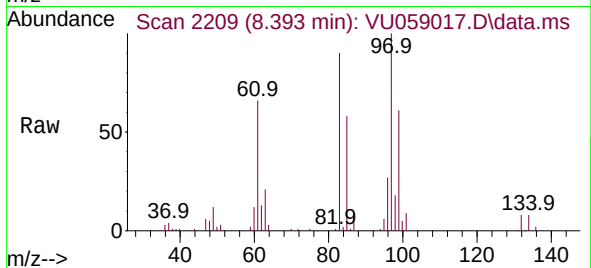
Ion Ratio Lower Upper

97 100

99 61.3 42.6 79.2

83 90.3 62.2 115.6

85 58.2 40.2 74.6



#46

Tetrachloroethene

Concen: 45.276 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Tgt Ion:164 Resp: 33289

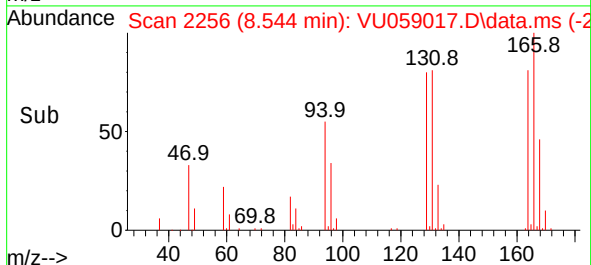
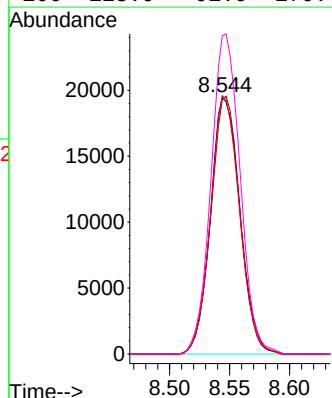
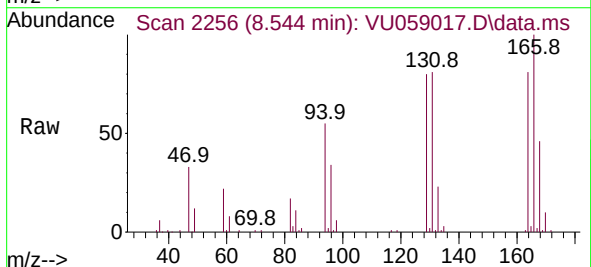
Ion Ratio Lower Upper

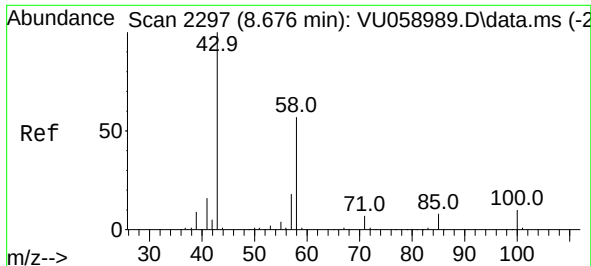
164 100

129 99.0 70.6 131.0

131 100.5 69.2 128.6

166 123.9 91.9 170.7



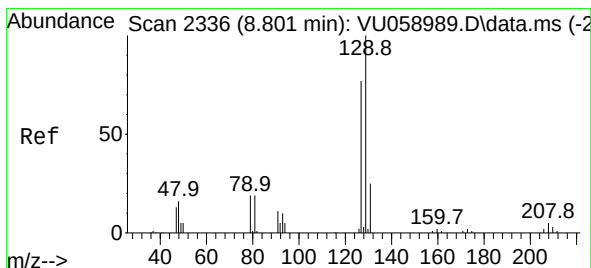
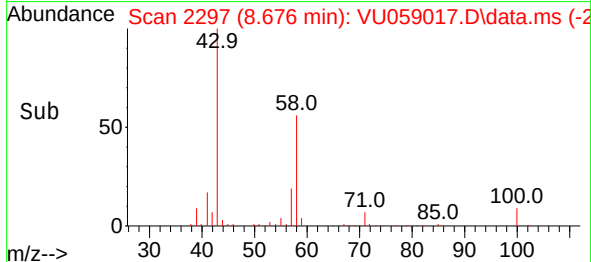
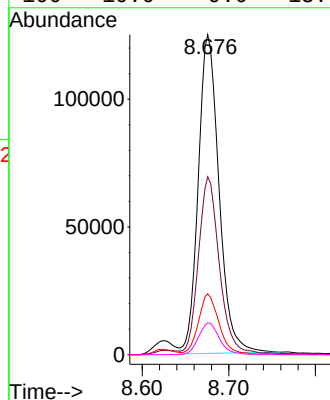
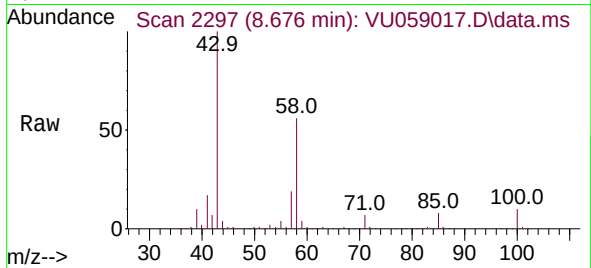


#48
2-Hexanone
Concen: 131.171 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 207898

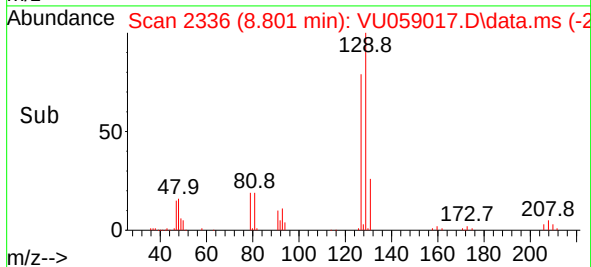
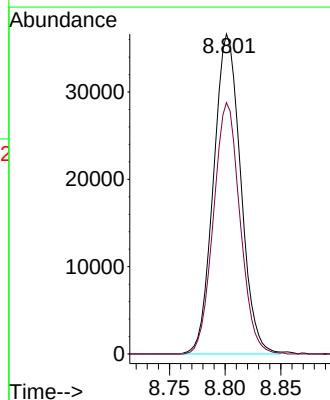
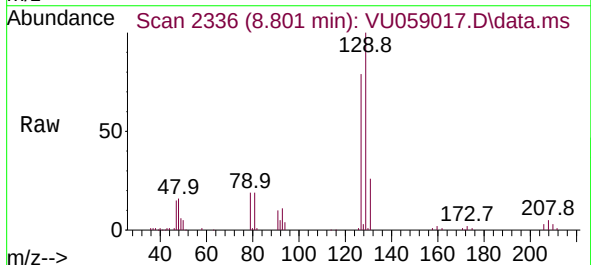
Ion	Ratio	Lower	Upper
43	100		
58	55.2	47.8	71.6
57	19.0	15.7	23.5
100	10.0	9.0	13.4

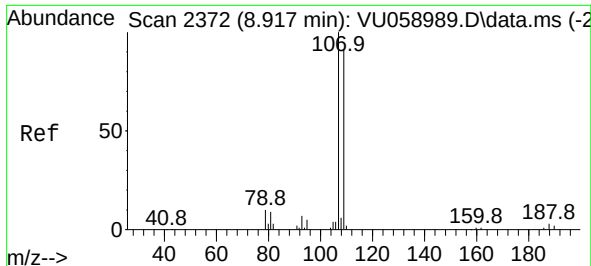


#49
Dibromochloromethane
Concen: 48.746 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion: 129 Resp: 62098

Ion	Ratio	Lower	Upper
129	100		
127	78.5	56.8	105.4

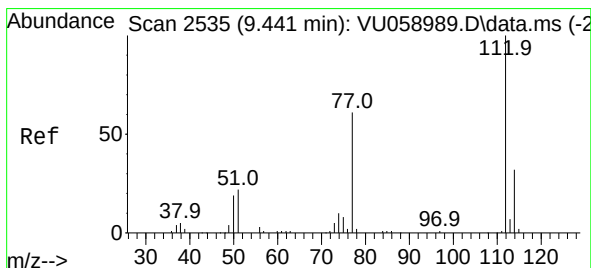
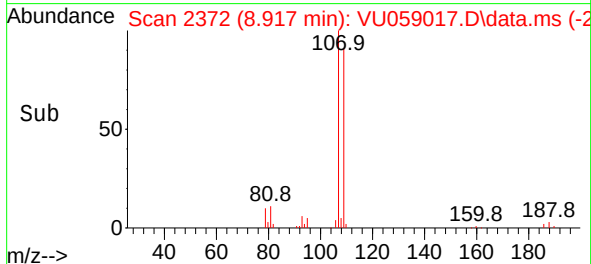
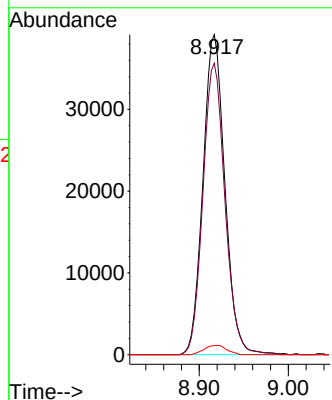
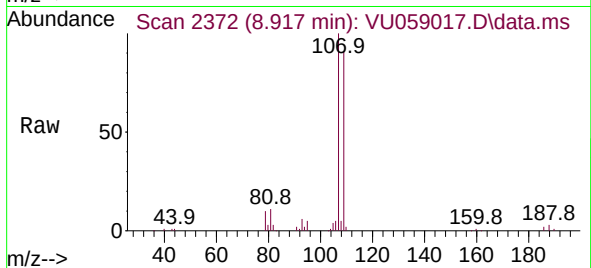




#50
1,2-Dibromoethane
Concen: 52.458 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

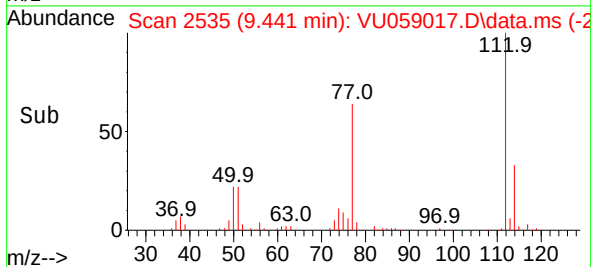
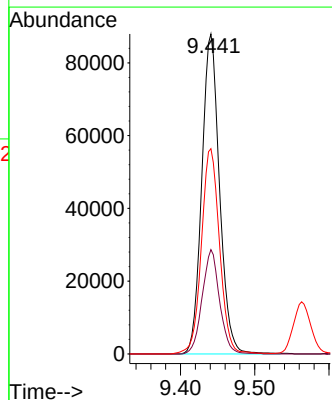
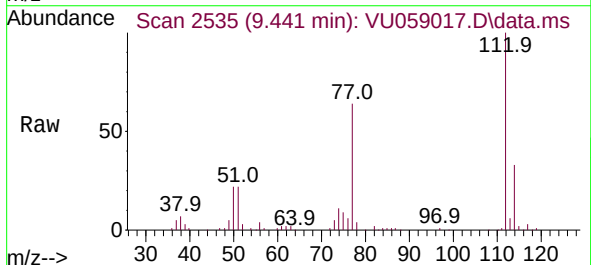
Instrument :
MSVOA_U
ClientSampleId :

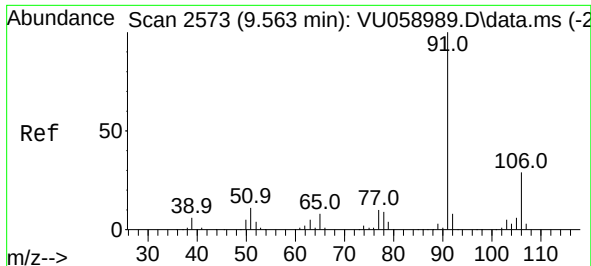
Tgt Ion:107 Resp: 66823
Ion Ratio Lower Upper
107 100
109 91.0 68.0 126.2
188 2.8 2.6 3.8



#51
Chlorobenzene
Concen: 49.538 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion:112 Resp: 145826
Ion Ratio Lower Upper
112 100
114 32.6 21.8 40.6
77 64.1 48.8 73.2





#52

Ethylbenzene

Concen: 51.020 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

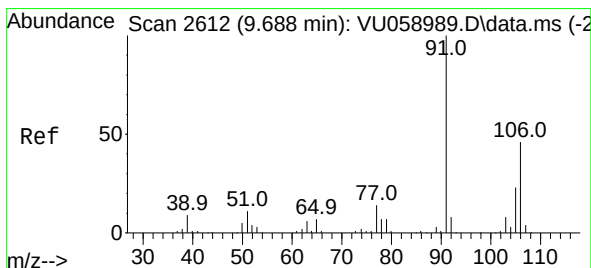
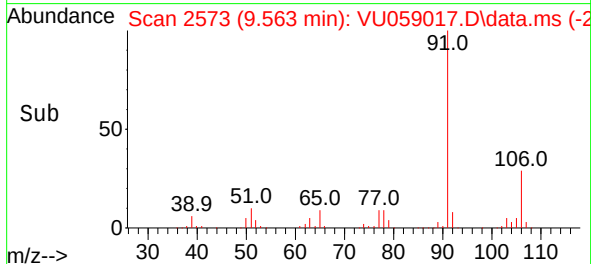
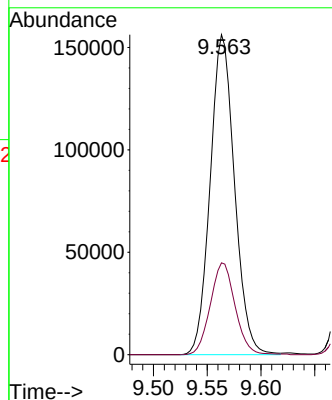
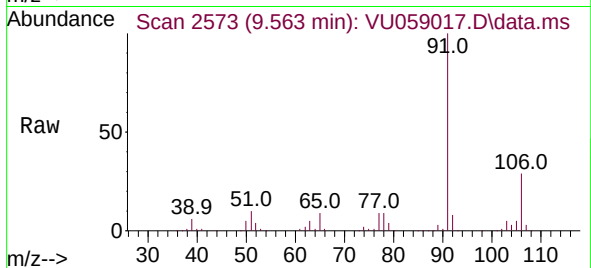
ClientSampleId :

Tgt Ion: 91 Resp: 245901

Ion Ratio Lower Upper

91 100

106 28.7 20.8 38.6



#53

m,p-Xylene

Concen: 51.925 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059017.D

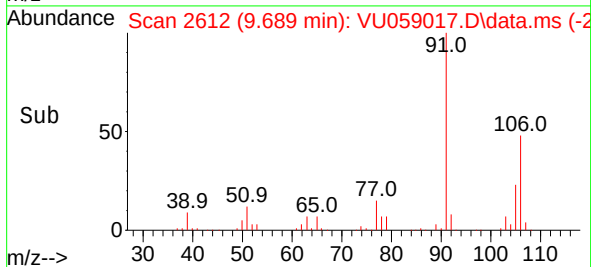
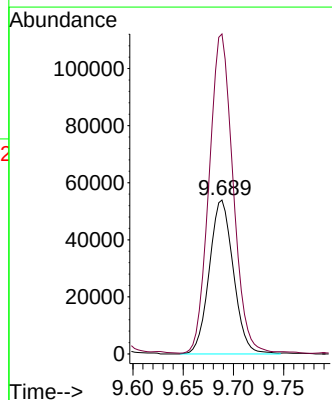
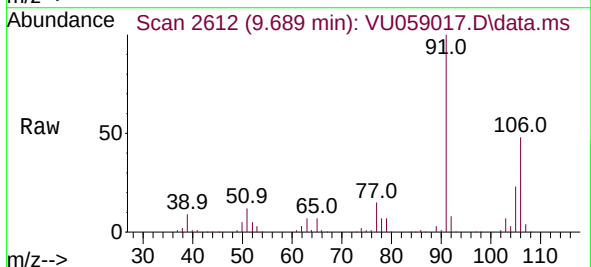
Acq: 25 May 2024 21:54

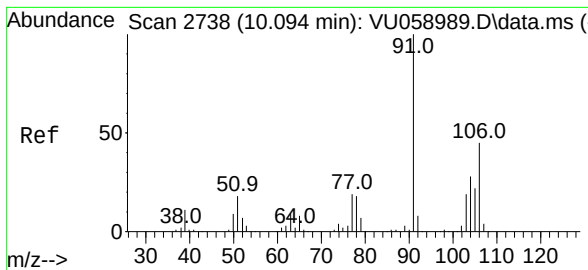
Tgt Ion:106 Resp: 89894

Ion Ratio Lower Upper

106 100

91 208.0 145.7 270.7

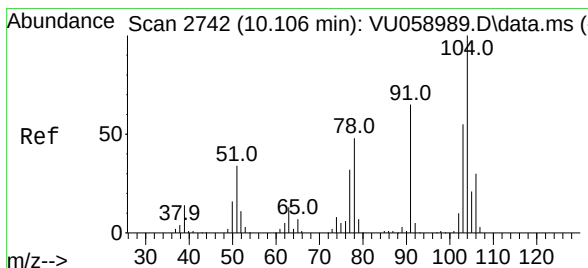
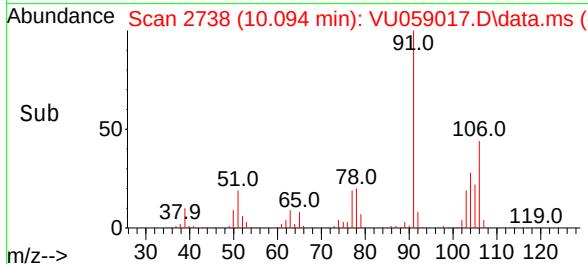
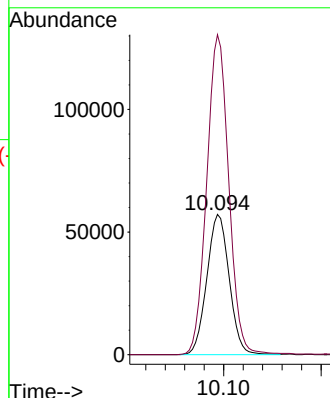
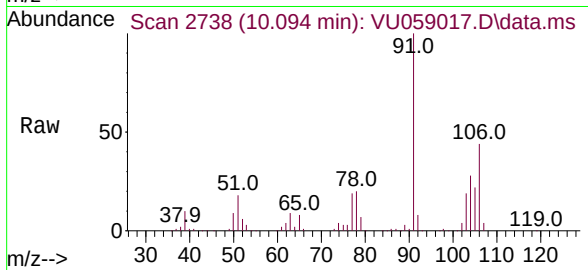




#54
o-Xylene
Concen: 52.657 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

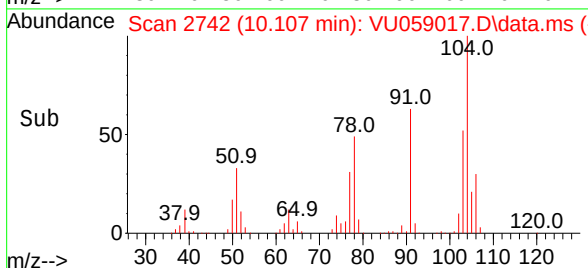
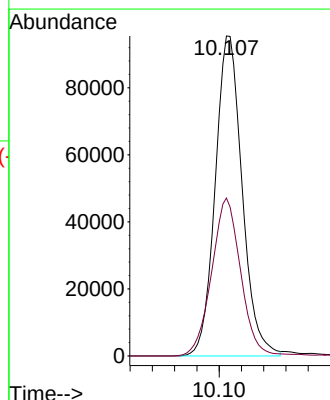
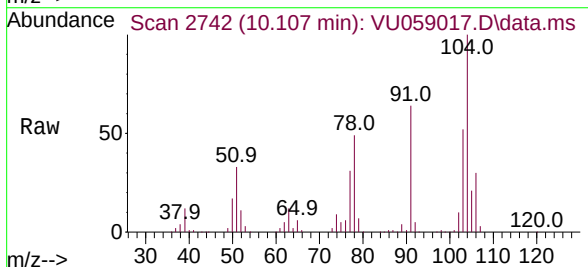
Instrument :
MSVOA_U
ClientSampleId :

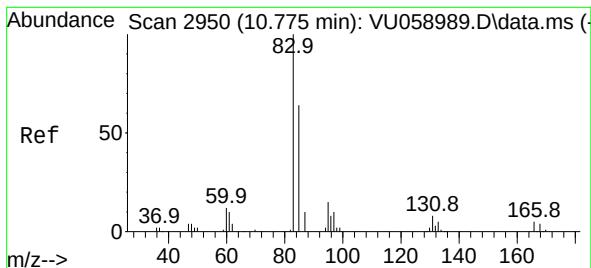
Tgt Ion:106 Resp: 91242
Ion Ratio Lower Upper
106 100
91 228.1 154.0 286.0



#55
Styrene
Concen: 51.756 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion:104 Resp: 160196
Ion Ratio Lower Upper
104 100
78 49.3 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 58.108 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

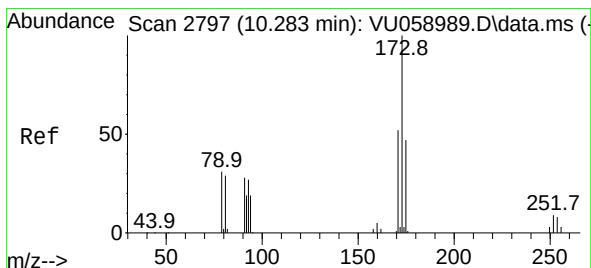
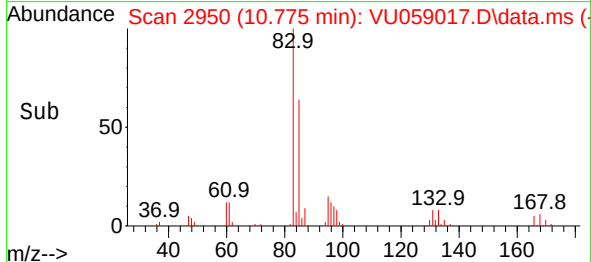
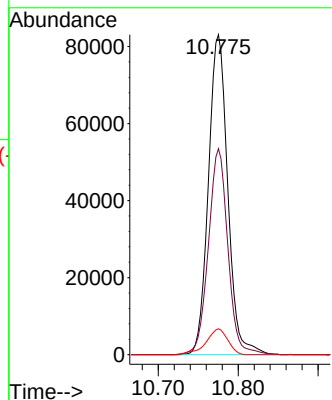
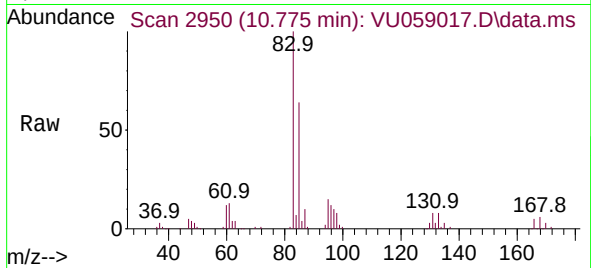
Tgt Ion: 83 Resp: 139595

Ion Ratio Lower Upper

83 100

85 64.3 43.5 80.9

131 8.1 7.1 10.7



#59

Bromoform

Concen: 52.380 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

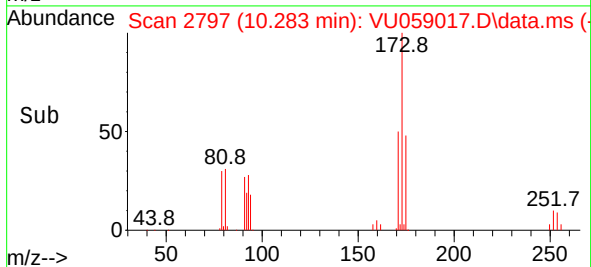
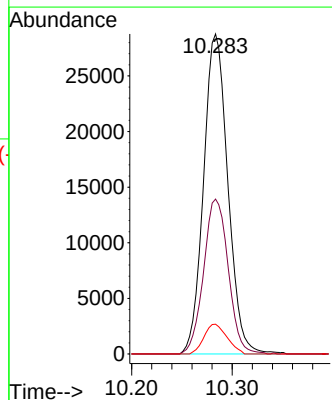
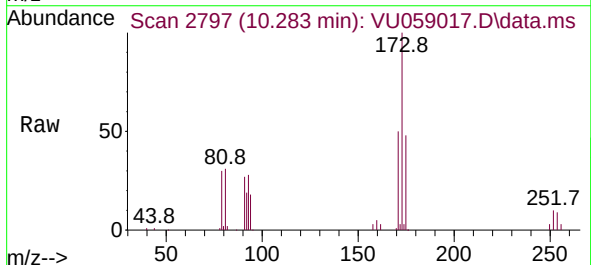
Tgt Ion:173 Resp: 48320

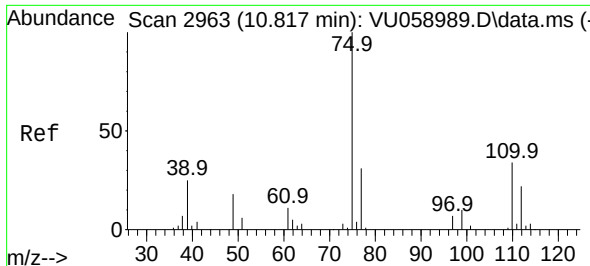
Ion Ratio Lower Upper

173 100

175 49.0 40.6 61.0

254 8.8 7.3 10.9

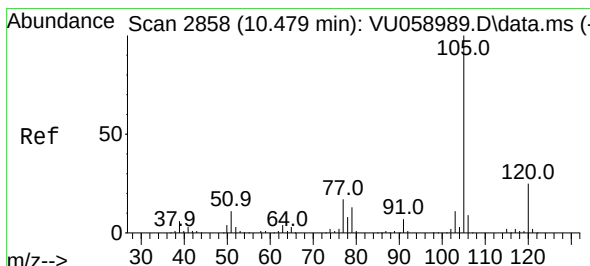
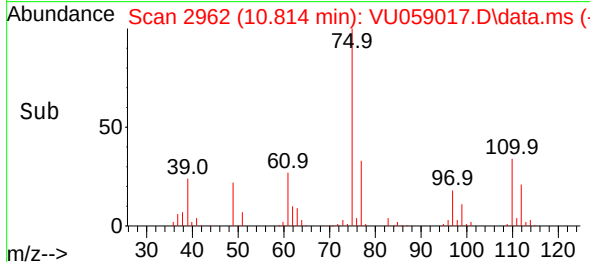
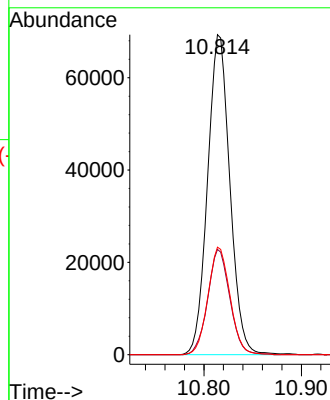
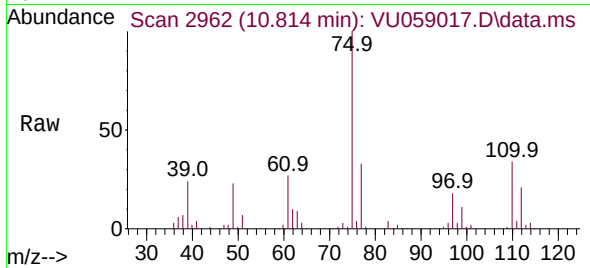




#60
1,2,3-Trichloropropane
Concen: 62.170 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.003 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

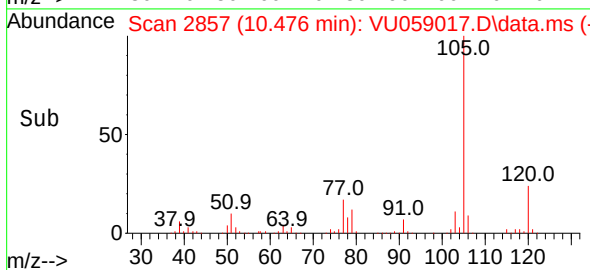
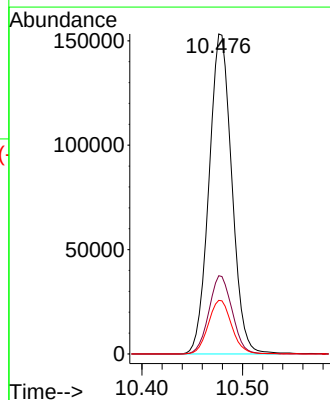
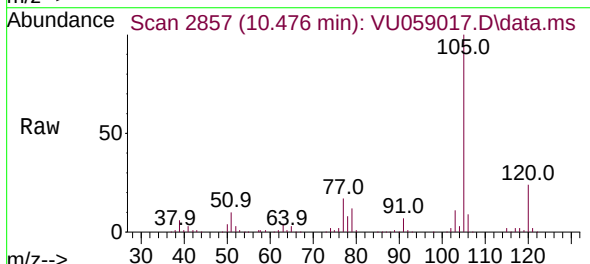
Instrument :
MSVOA_U
ClientSampleId :

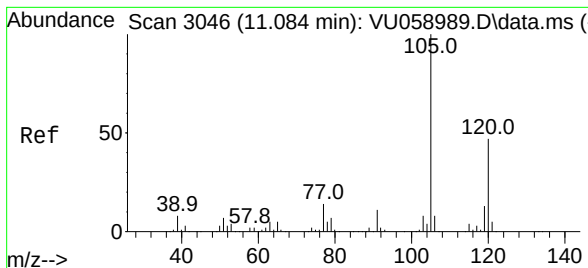
Tgt Ion: 75 Resp: 110113
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.6
110 33.3 28.3 42.5



#61
Isopropylbenzene
Concen: 54.286 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU059017.D
Acq: 25 May 2024 21:54

Tgt Ion:105 Resp: 241275
Ion Ratio Lower Upper
105 100
120 24.9 20.0 30.0
77 17.1 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 53.033 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

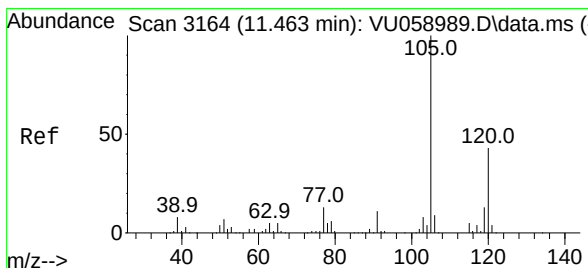
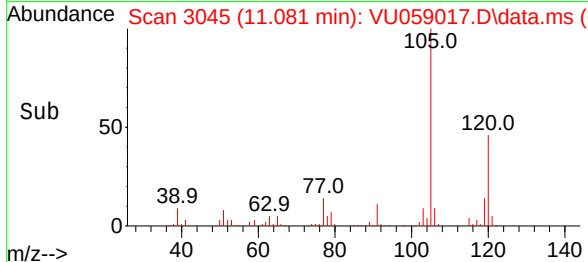
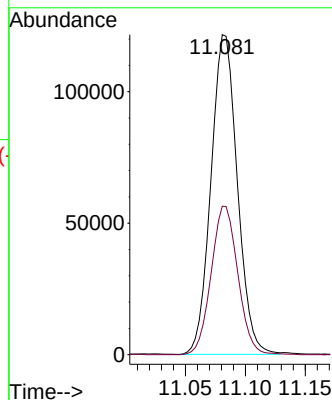
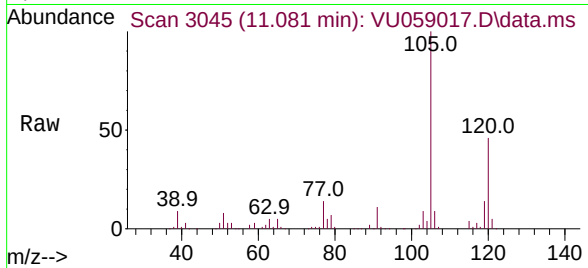
ClientSampleId :

Tgt Ion:105 Resp: 185692

Ion Ratio Lower Upper

105 100

120 47.1 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 54.985 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059017.D

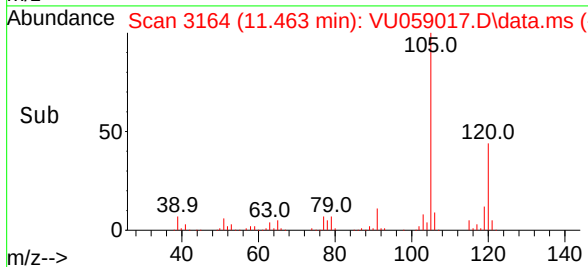
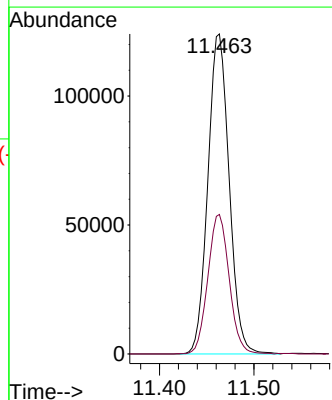
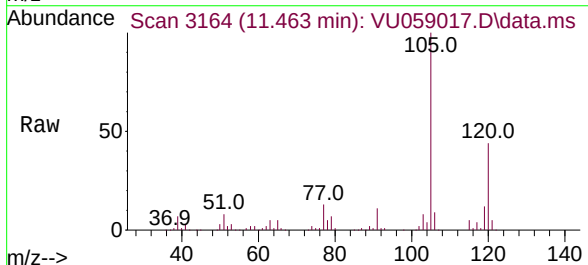
Acq: 25 May 2024 21:54

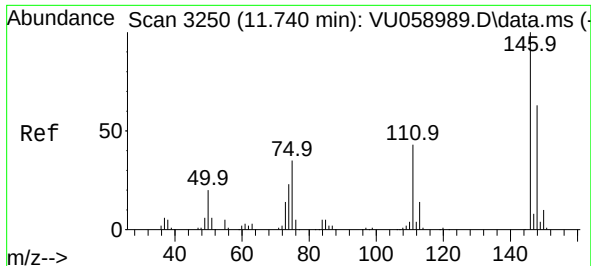
Tgt Ion:105 Resp: 194164

Ion Ratio Lower Upper

105 100

120 43.7 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 48.724 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

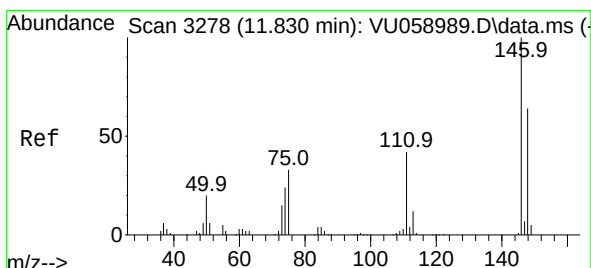
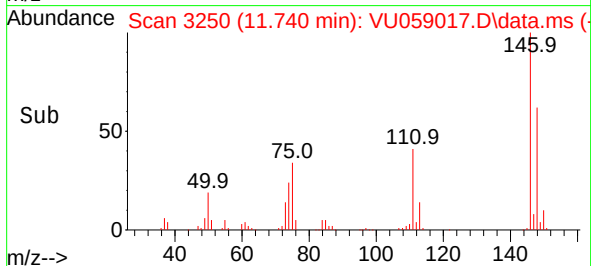
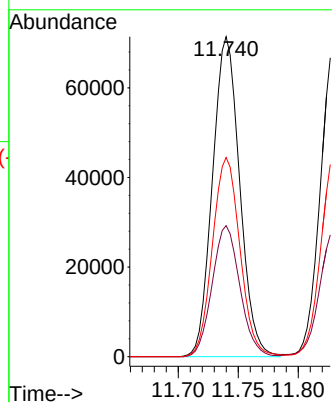
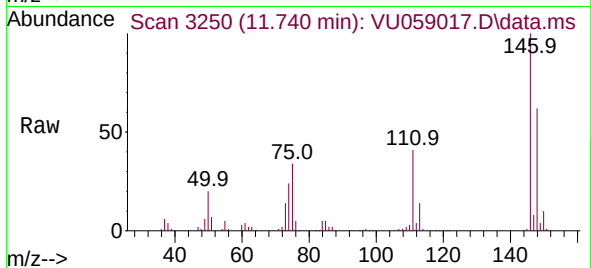
Tgt Ion:146 Resp: 112424

Ion Ratio Lower Upper

146 100

111 41.0 28.6 53.0

148 62.2 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 49.007 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

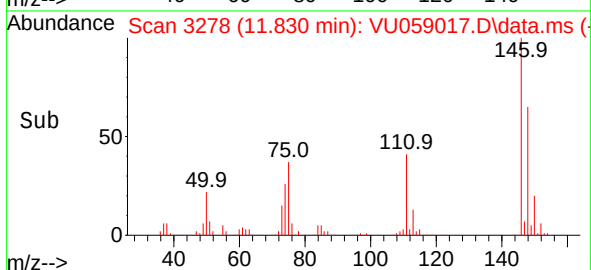
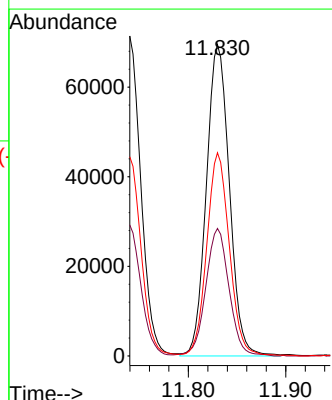
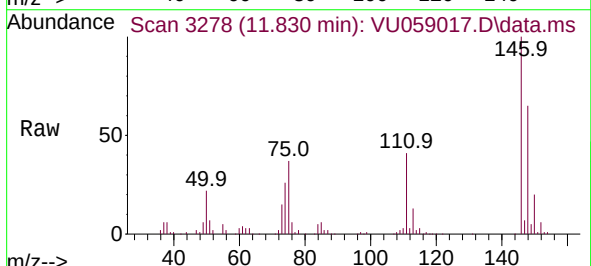
Tgt Ion:146 Resp: 114213

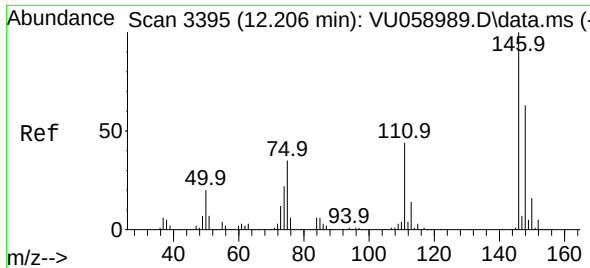
Ion Ratio Lower Upper

146 100

111 41.0 27.3 50.7

148 65.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 52.523 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

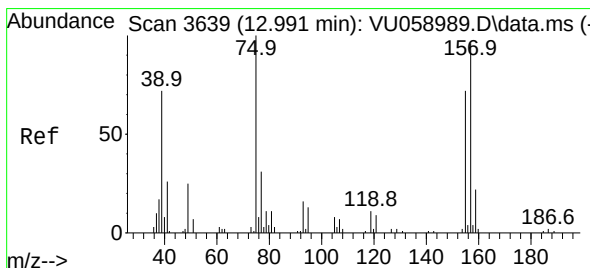
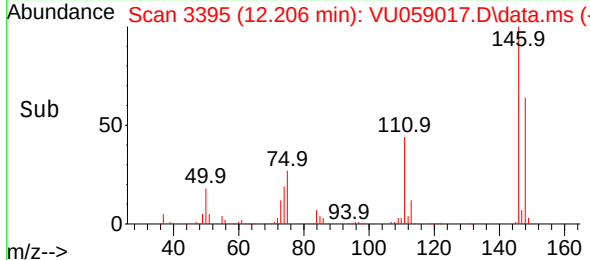
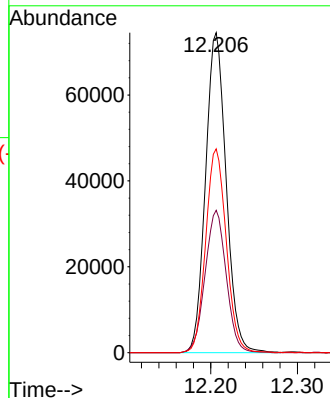
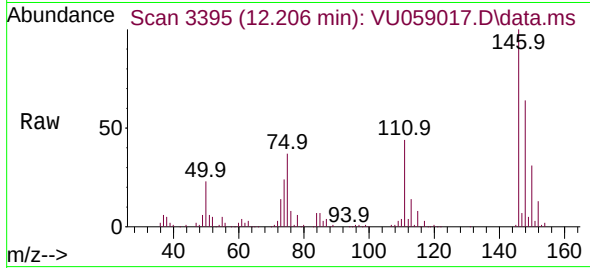
Tgt Ion:146 Resp: 123264

Ion Ratio Lower Upper

146 100

111 44.5 34.1 51.1

148 63.7 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 63.518 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

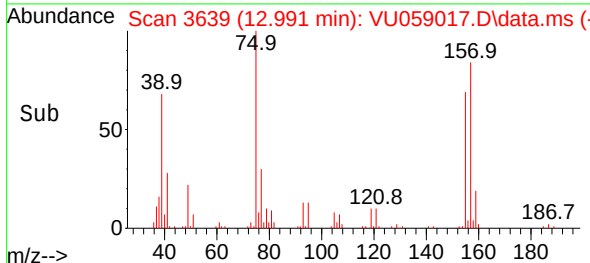
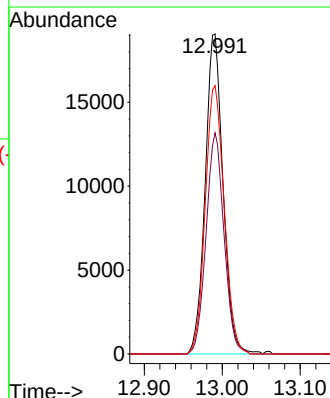
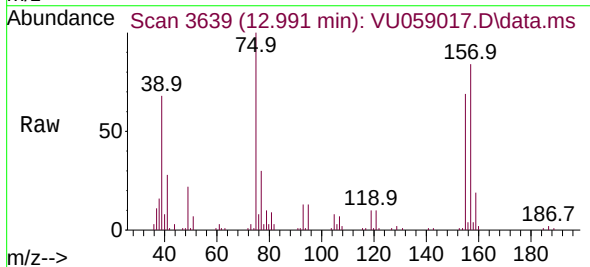
Tgt Ion: 75 Resp: 30435

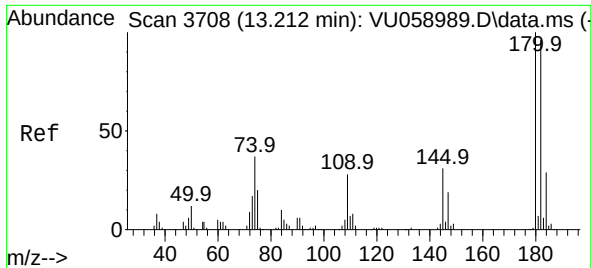
Ion Ratio Lower Upper

75 100

155 69.1 60.2 90.4

157 83.8 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 45.418 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

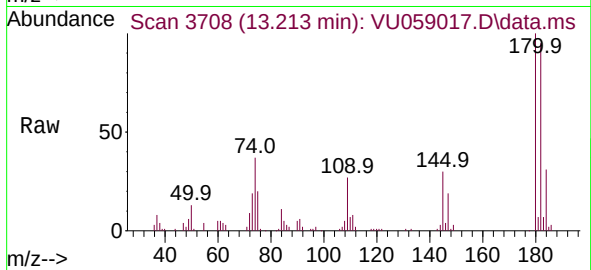
Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 73814

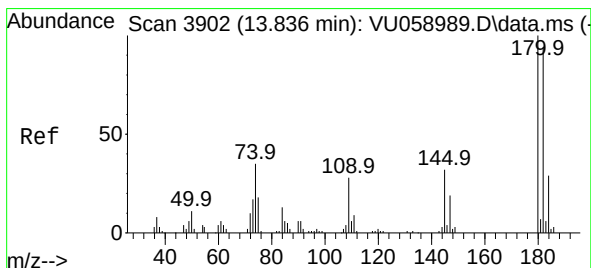
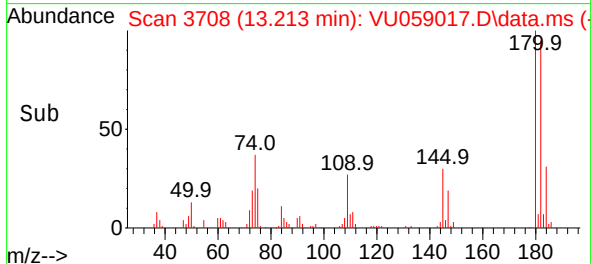
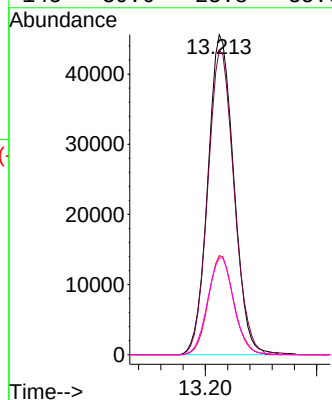
Ion Ratio Lower Upper

180 100

182 96.1 75.7 113.5

184 30.3 24.3 36.5

145 30.6 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 44.199 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

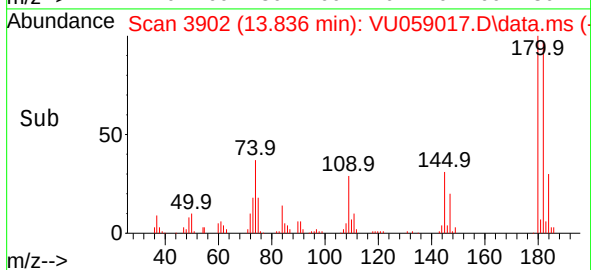
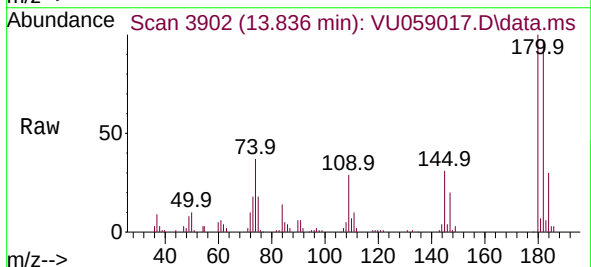
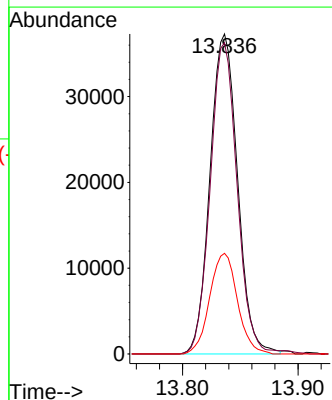
Tgt Ion:180 Resp: 61871

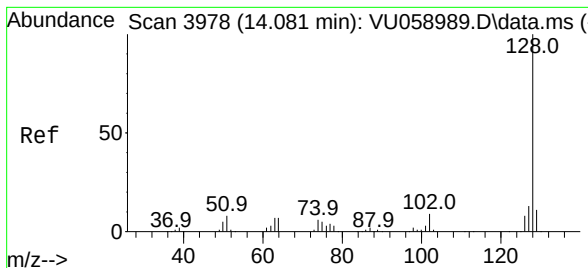
Ion Ratio Lower Upper

180 100

182 94.6 78.6 117.8

145 31.6 24.6 37.0





#71

Naphthalene

Concen: 47.088 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Instrument :

MSVOA_U

ClientSampleId :

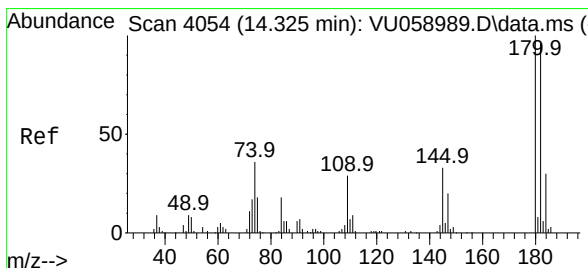
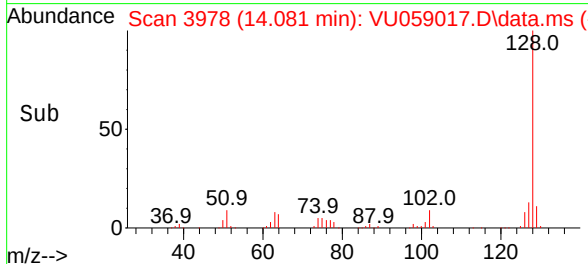
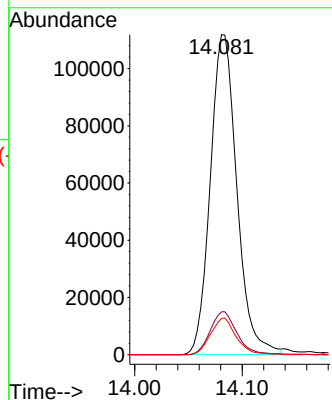
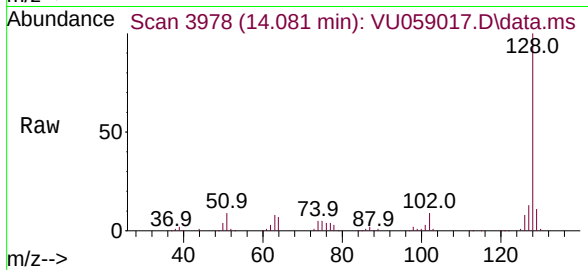
Tgt Ion:128 Resp: 192260

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.088 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU059017.D

Acq: 25 May 2024 21:54

Tgt Ion:180 Resp: 67516

Ion Ratio Lower Upper

180 100

182 93.2 76.1 114.1

145 33.5 26.2 39.2

