

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059047.D
 Acq On : 29 May 2024 12:37
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:08:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:07:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	187829	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	177644	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	81579	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	11243	6.135	ug/L	0.00
7) Chloroethane-d5	1.872	69	10206	6.716	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.557	63	22372	7.743	ug/L	0.00
21) 2-Butanone-d5	4.624	46	19008	14.580	ug/L	0.02
24) Chloroform-d	5.055	84	21673	6.778	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	13233	6.768	ug/L	0.00
32) Benzene-d6	5.717	84	40237	7.127	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	13965	7.403	ug/L	0.00
41) Toluene-d8	7.894	98	32644	6.502	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	5189	6.172	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	10304	13.052	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	23349	8.108	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	12045	7.580	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	19451	13.817	ug/L	95
3) Chloromethane	1.515	50	22400	14.674	ug/L	98
5) Vinyl chloride	1.599	62	21661	12.597	ug/L	99
6) Bromomethane	1.824	94	18085	16.020	ug/L	95
8) Chloroethane	1.901	64	13382	11.744	ug/L	98
9) Trichlorofluoromethane	2.116	101	25786	11.535	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	15843	10.748	ug/L	95
12) 1,1-Dichloroethene	2.566	96	13342	10.978	ug/L	94
13) Acetone	2.618	43	25112	20.120	ug/L	99
14) Carbon disulfide	2.779	76	44703	16.893	ug/L	99
15) Methyl Acetate	2.939	43	20046	10.333	ug/L	# 49
16) Methylene chloride	3.033	84	18172	9.569	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	14372	11.652	ug/L	90
18) Methyl tert-butyl Ether	3.351	73	44998	9.648	ug/L	99
19) 1,1-Dichloroethane	3.853	63	30341	10.037	ug/L	95
20) cis-1,2-Dichloroethene	4.653	96	16288	10.364	ug/L	90
22) 2-Butanone	4.701	43	27163	17.284	ug/L	97
23) Bromochloromethane	4.962	128	8551	10.471	ug/L	89
25) Chloroform	5.078	83	30519	9.703	ug/L	99
27) 1,2-Dichloroethane	5.782	62	25247	10.292	ug/L	96
29) Cyclohexane	5.377	56	22988	13.600	ug/L	96
30) 1,1,1-Trichloroethane	5.303	97	23952	11.007	ug/L	97
31) Carbon tetrachloride	5.515	117	19347	10.971	ug/L	99
33) Benzene	5.766	78	66169	11.802	ug/L	100
34) Trichloroethene	6.534	95	16476	11.298	ug/L	98
35) Methylcyclohexane	6.756	83	21443	11.817	ug/L	96
37) 1,2-Dichloropropane	6.782	63	19032	10.716	ug/L	99
38) Bromodichloromethane	7.097	83	20829	9.650	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	23649	9.682	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	44220	17.949	ug/L	98
42) Toluene	7.962	91	62791	10.654	ug/L	95
44) trans-1,3-Dichloropropene	8.206	75	20835	9.112	ug/L	95

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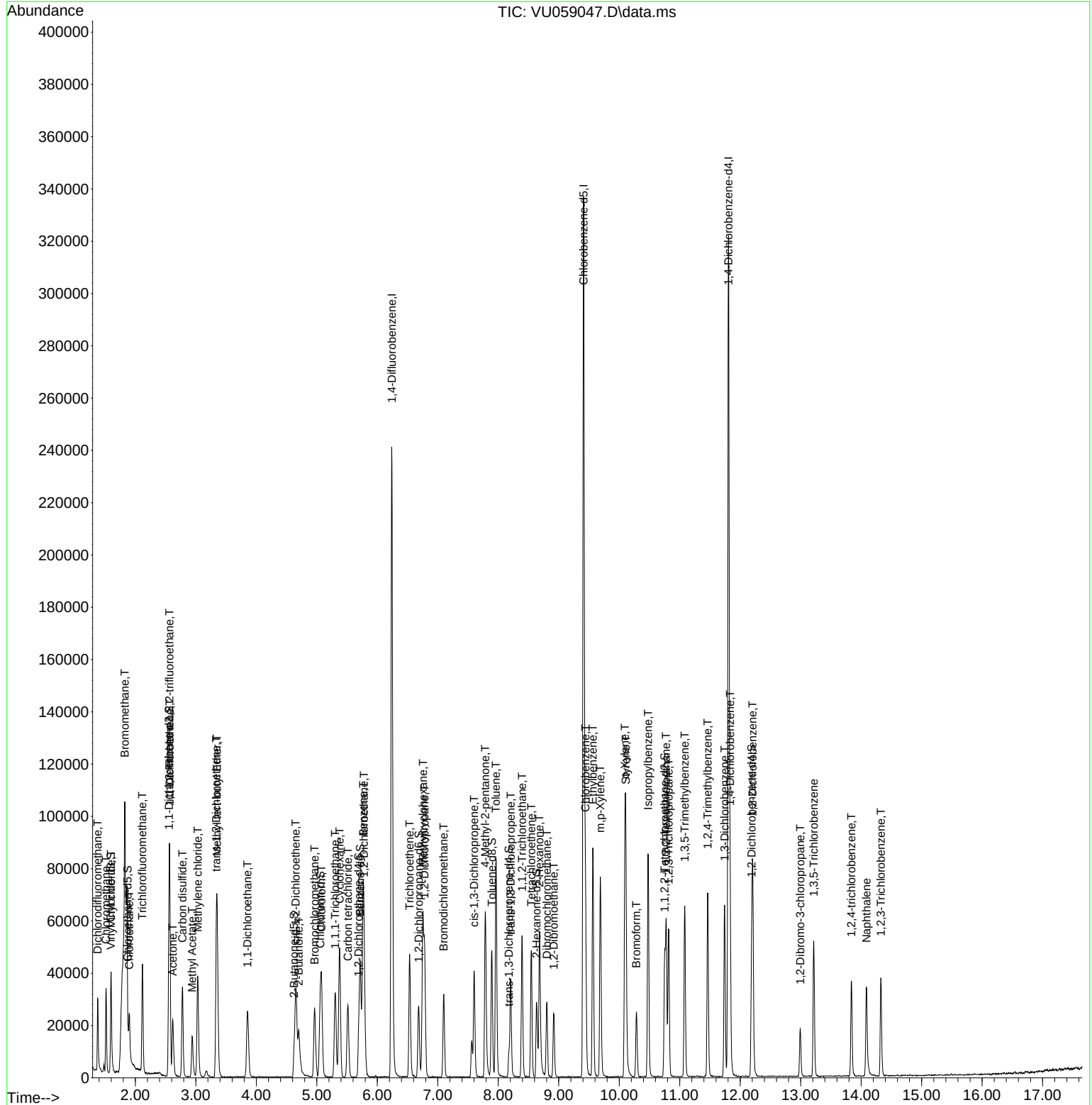
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	16281	9.492	ug/L	97
46) Tetrachloroethene	8.547	164	10354	10.669	ug/L	95
48) 2-Hexanone	8.682	43	38037	18.669	ug/L	92
49) Dibromochloromethane	8.804	129	14643	9.009	ug/L	94
50) 1,2-Dibromoethane	8.917	107	16324	9.862	ug/L	96
51) Chlorobenzene	9.441	112	37765	9.896	ug/L	97
52) Ethylbenzene	9.563	91	62015	9.792	ug/L	100
53) m,p-Xylene	9.688	106	22206	9.710	ug/L	96
54) o-Xylene	10.094	106	20455	8.995	ug/L	94
55) Styrene	10.110	104	34000	8.491	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	29719	9.672	ug/L	100
59) Bromoform	10.283	173	10665	9.852	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	23996	11.356	ug/L	98
61) Isopropylbenzene	10.476	105	52838	9.844	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	36798	8.878	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	38295	8.973	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	26032	9.536	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	27347	9.925	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	27625	9.863	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	5489	9.686	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	15834	8.320	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	11125	6.879	ug/L	95
71) Naphthalene	14.087	128	29921	6.358	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	11754	7.117	ug/L	97

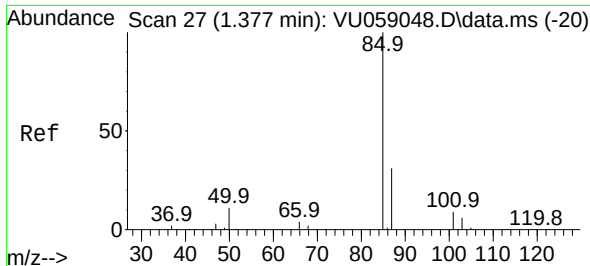
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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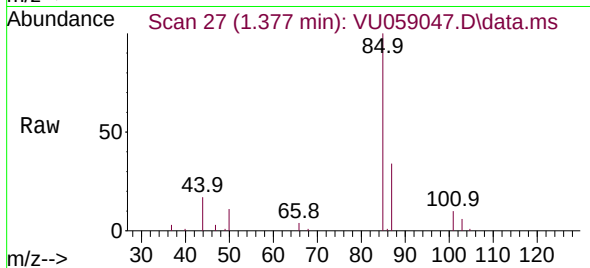
Quant Time: May 30 00:08:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
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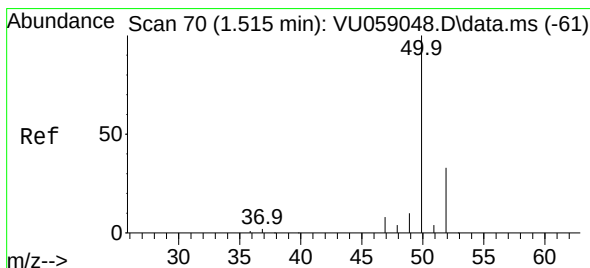
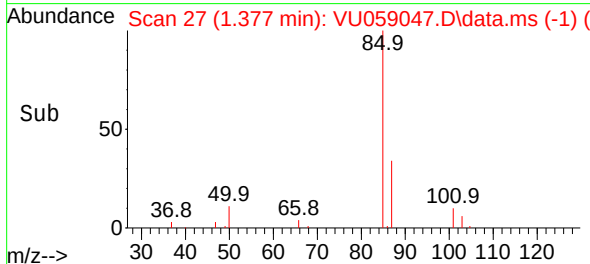
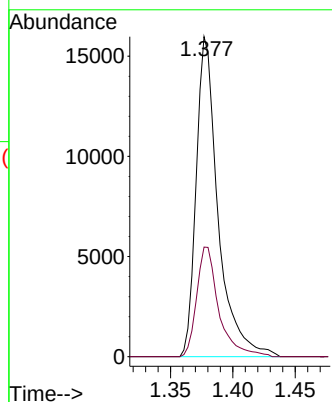


#2
 Dichlorodifluoromethane
 Concen: 13.817 ug/L
 RT: 1.377 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: VU059047.D
 Acq: 29 May 2024 12:37

Instrument :
 MSVOA_U
 ClientSampleId :

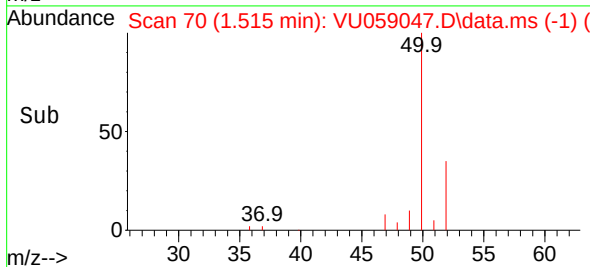
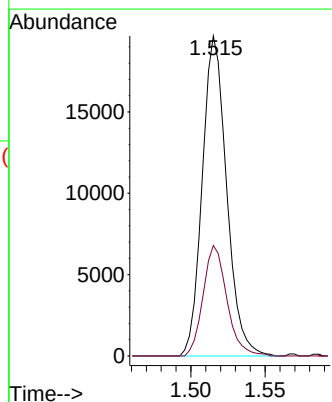
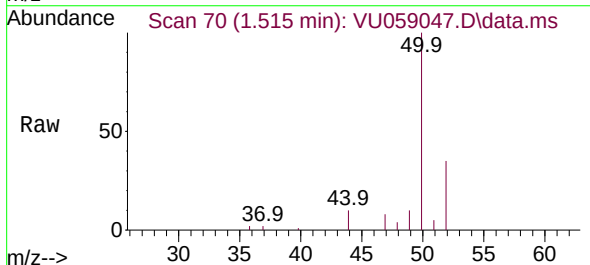


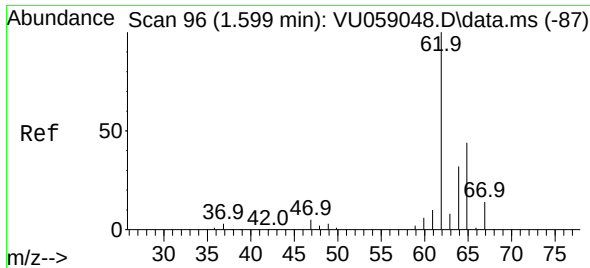
Tgt Ion: 85 Resp: 19451
 Ion Ratio Lower Upper
 85 100
 87 34.8 25.4 38.2



#3
 Chloromethane
 Concen: 14.674 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU059047.D
 Acq: 29 May 2024 12:37

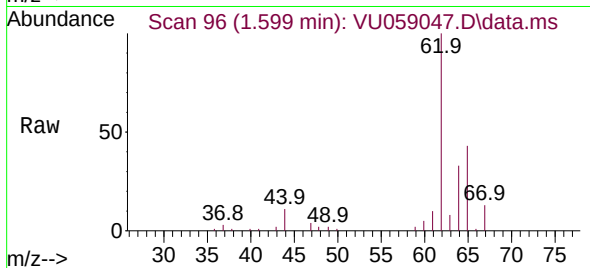
Tgt Ion: 50 Resp: 22400
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.2 43.2



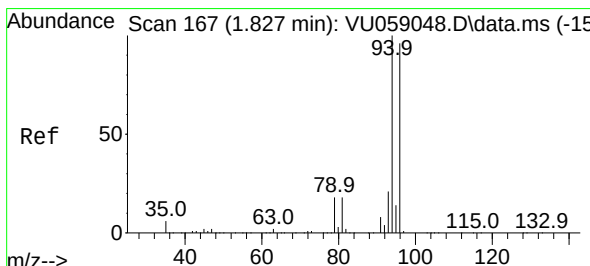
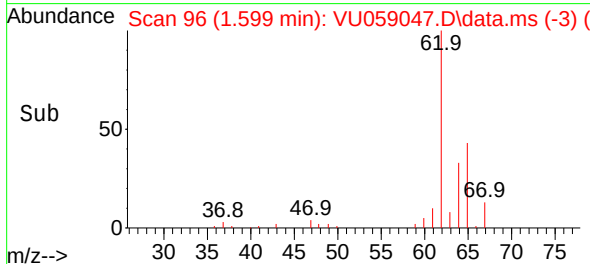
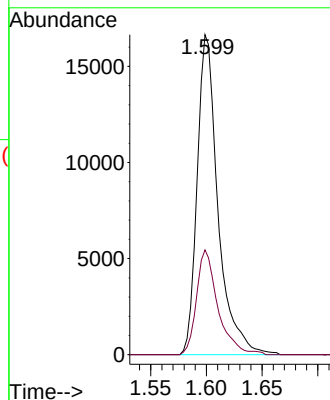


#5
 Vinyl chloride
 Concen: 12.597 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU059047.D
 Acq: 29 May 2024 12:37

Instrument :
 MSVOA_U
 ClientSampleId :

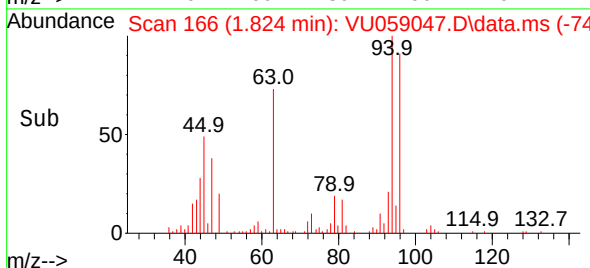
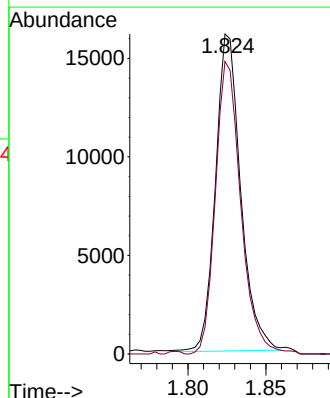
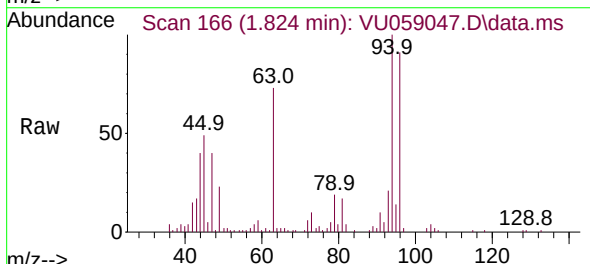


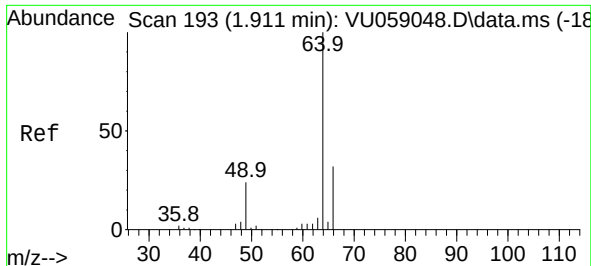
Tgt Ion: 62 Resp: 21661
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.5 41.7



#6
 Bromomethane
 Concen: 16.020 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. -0.003 min
 Lab File: VU059047.D
 Acq: 29 May 2024 12:37

Tgt Ion: 94 Resp: 18085
 Ion Ratio Lower Upper
 94 100
 96 91.4 67.1 124.7

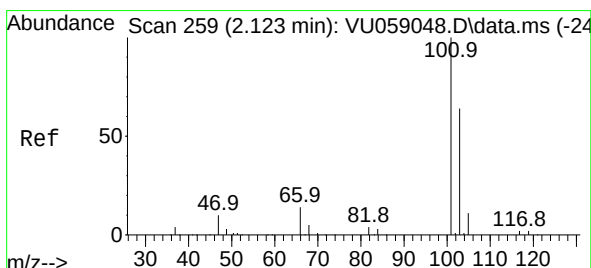
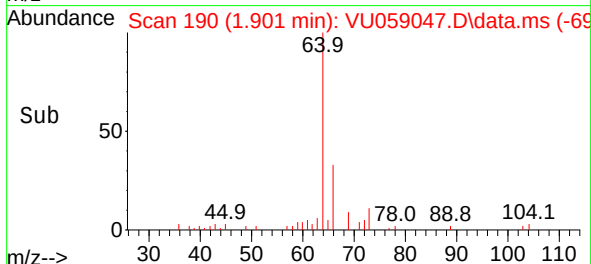
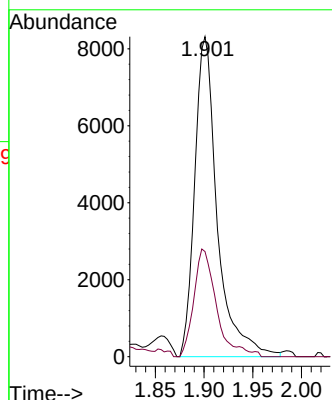
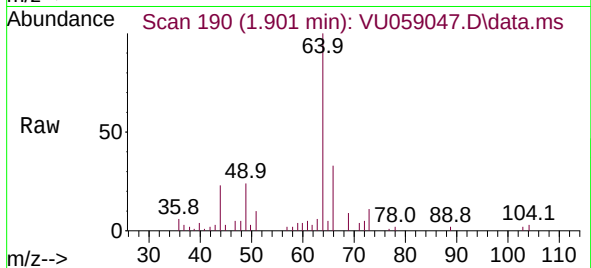




#8
Chloroethane
Concen: 11.744 ug/L
RT: 1.901 min Scan# 193
Delta R.T. -0.010 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

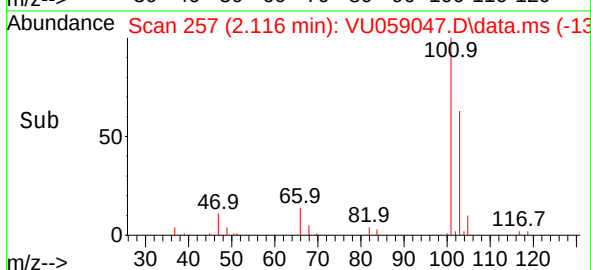
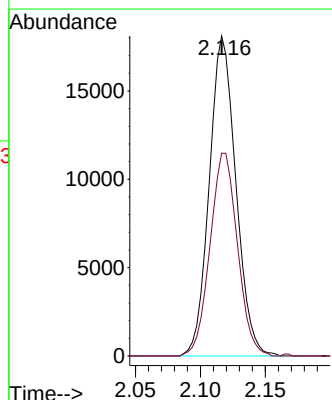
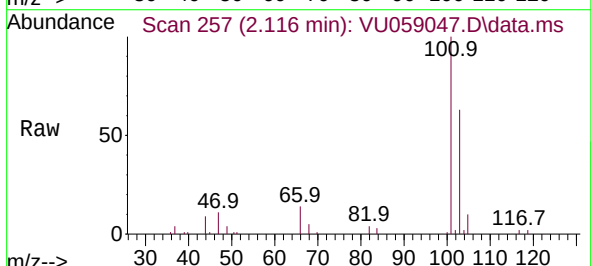
Instrument :
MSVOA_U
ClientSampleId :

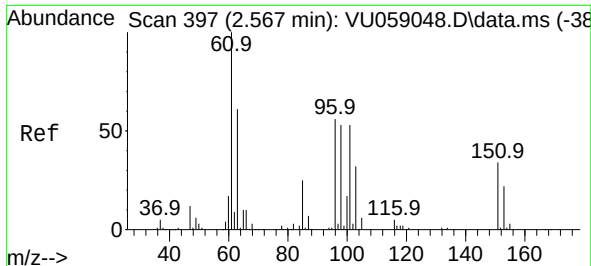
Tgt Ion: 64 Resp: 13382
Ion Ratio Lower Upper
64 100
66 32.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 11.535 ug/L
RT: 2.116 min Scan# 257
Delta R.T. -0.007 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion:101 Resp: 25786
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.6





#10

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

Concen: 10.748 ug/L

RT: 2.563 min Scan# 396

Delta R.T. -0.003 min

Lab File: VU059047.D

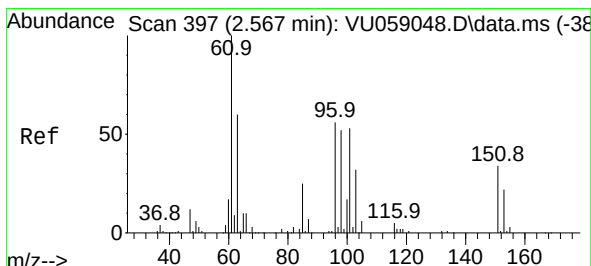
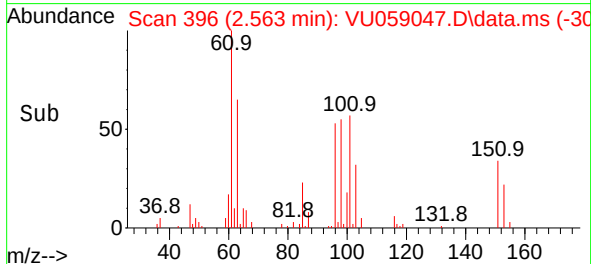
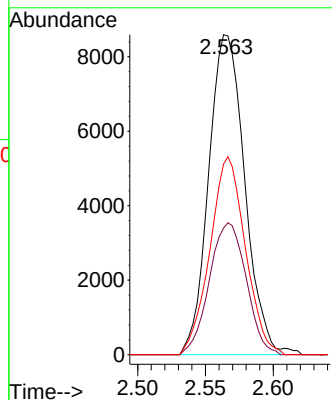
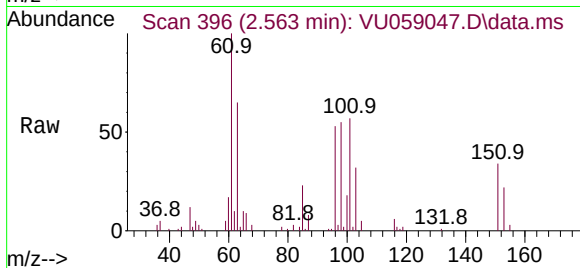
Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	15843
Ion Ratio	Lower	Upper	
101	100		
85	42.2	36.7	55.1
151	61.0	52.2	78.2



#12

1,1-Dichloroethene

Concen: 10.978 ug/L

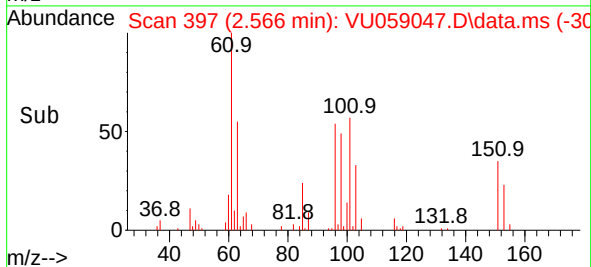
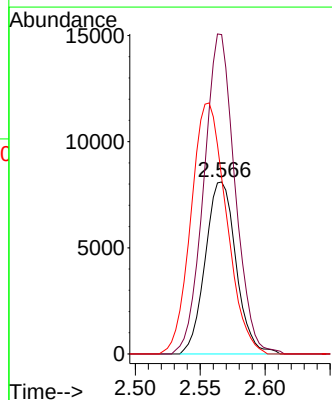
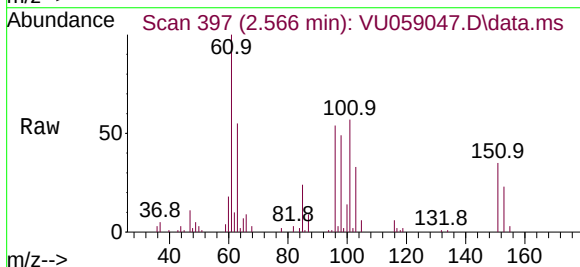
RT: 2.566 min Scan# 397

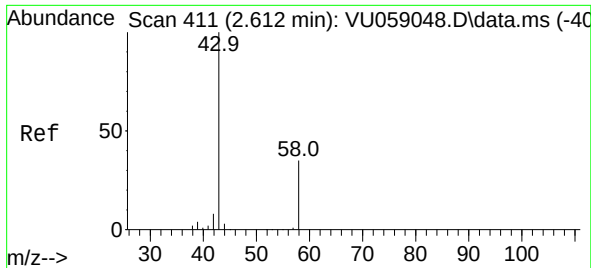
Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Tgt Ion:	96	Resp:	13342
Ion Ratio	Lower	Upper	
96	100		
61	185.6	126.3	234.6
63	102.4	78.7	146.1





#13

Acetone

Concen: 20.120 ug/L

RT: 2.618 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

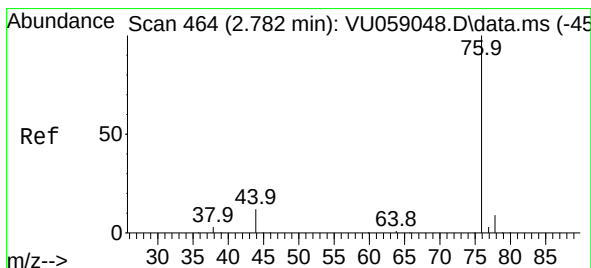
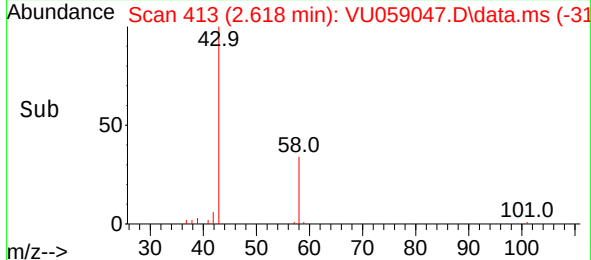
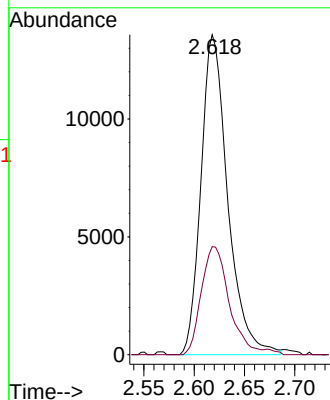
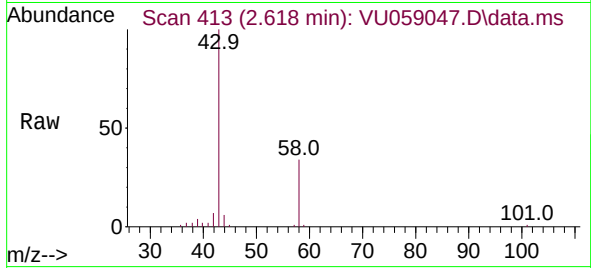
ClientSampleId :

Tgt Ion: 43 Resp: 25112

Ion Ratio Lower Upper

43 100

58 35.0 0.0 68.8



#14

Carbon disulfide

Concen: 16.893 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU059047.D

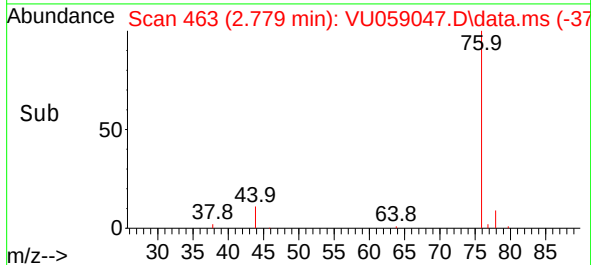
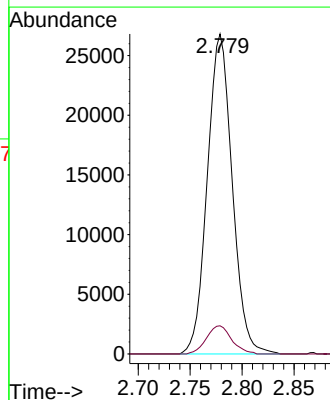
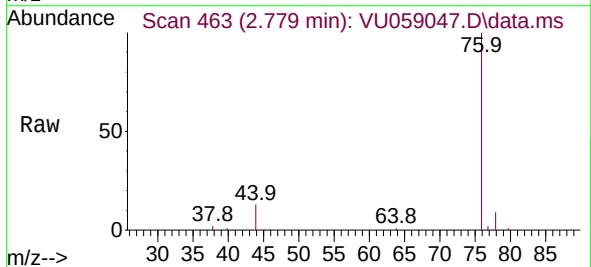
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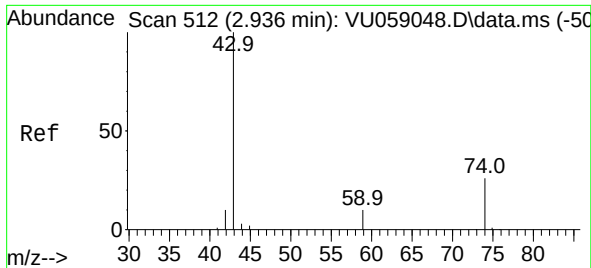
Tgt Ion: 76 Resp: 44703

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#15

Methyl Acetate

Concen: 10.333 ug/L

RT: 2.939 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

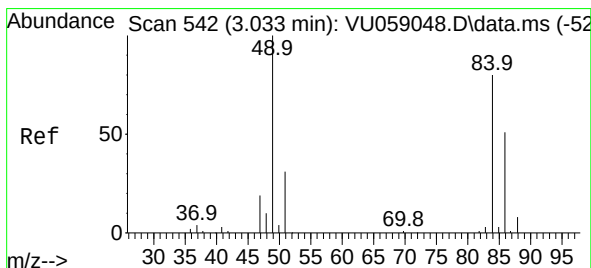
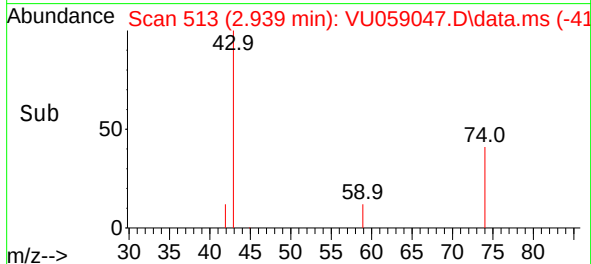
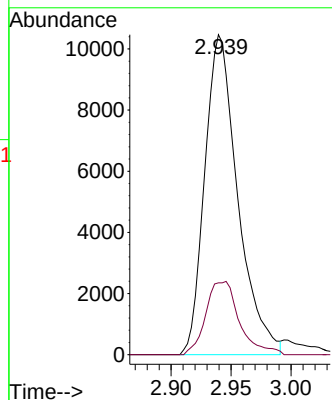
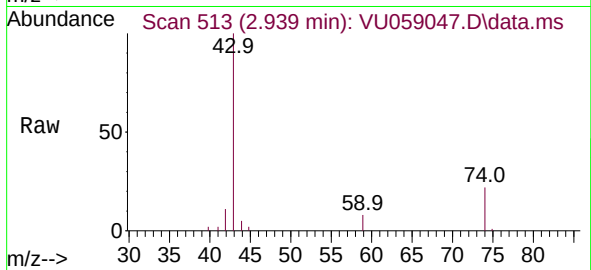
ClientSampleId :

Tgt Ion: 43 Resp: 20046

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#



#16

Methylene chloride

Concen: 9.569 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

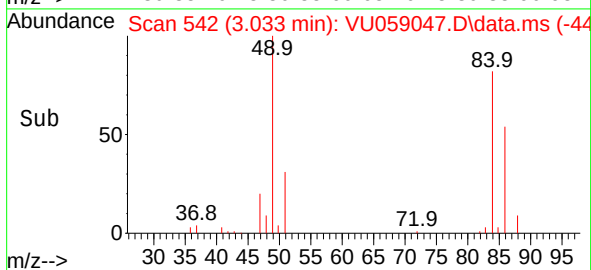
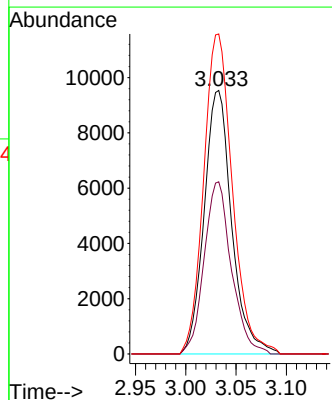
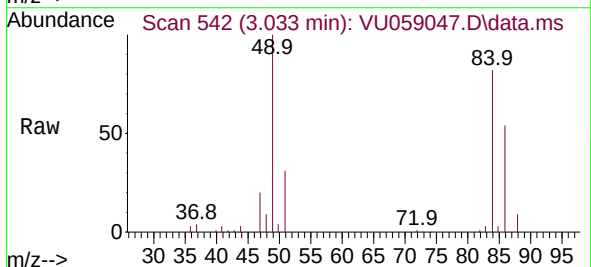
Tgt Ion: 84 Resp: 18172

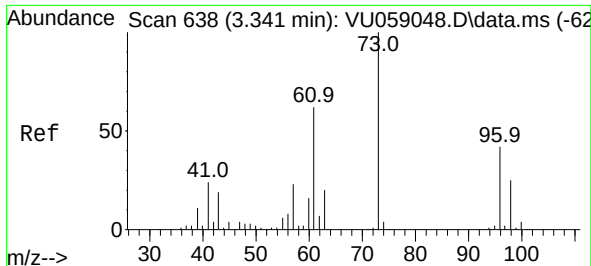
Ion Ratio Lower Upper

84 100

86 65.3 44.9 83.3

49 121.4 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 11.652 ug/L

RT: 3.338 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

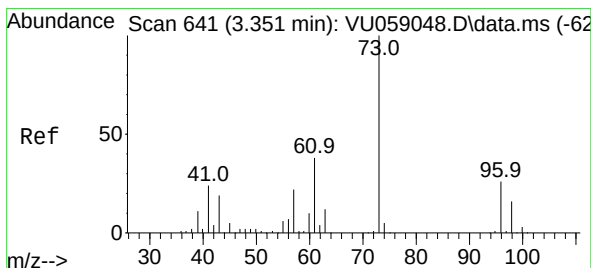
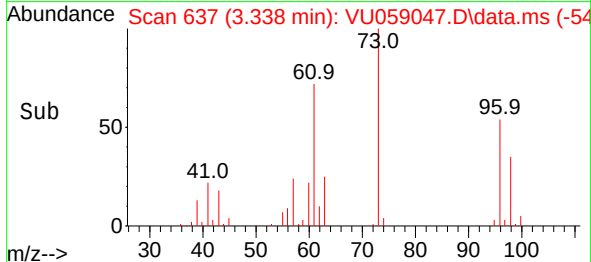
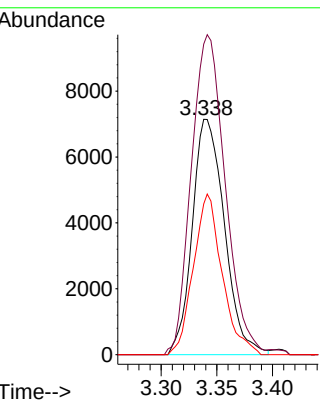
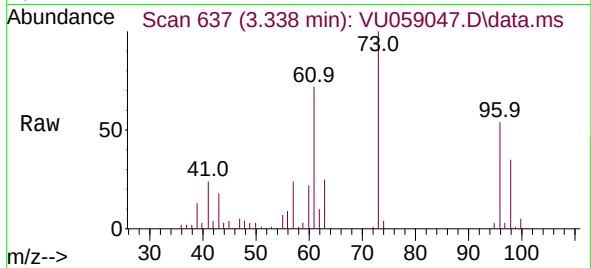
Tgt Ion: 96 Resp: 14372

Ion Ratio Lower Upper

96 100

61 131.9 103.5 192.3

98 64.1 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 9.648 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

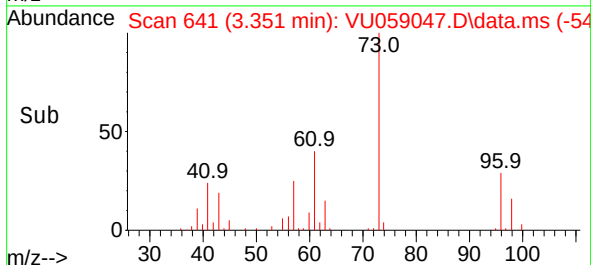
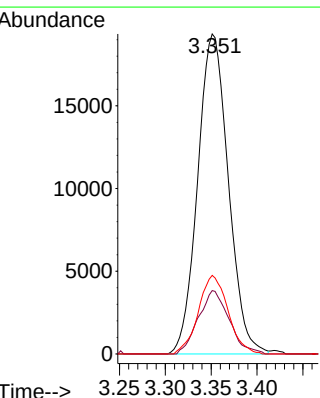
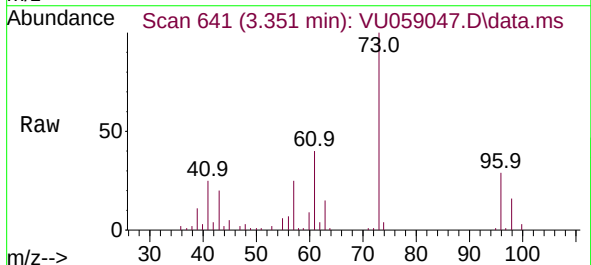
Tgt Ion: 73 Resp: 44998

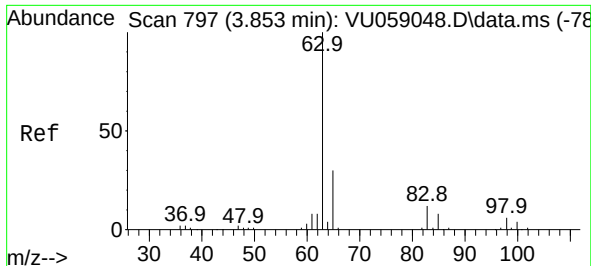
Ion Ratio Lower Upper

73 100

43 19.9 15.6 23.4

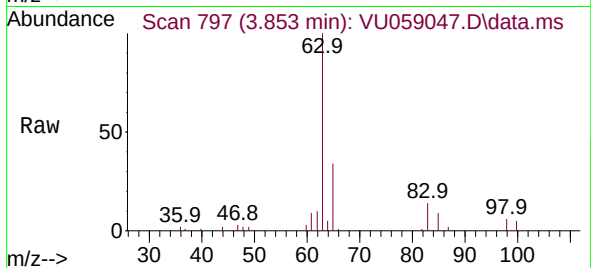
57 23.7 18.6 28.0



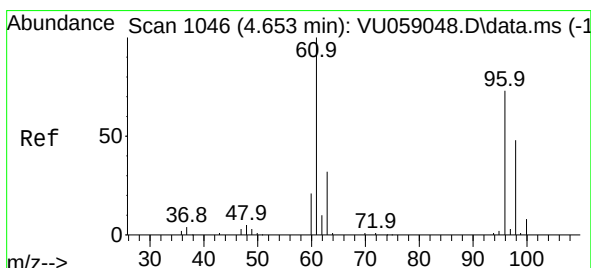
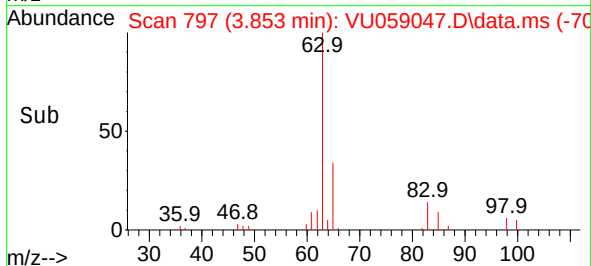
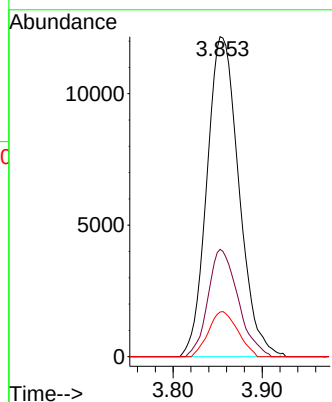


#19
1,1-Dichloroethane
Concen: 10.037 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Instrument :
MSVOA_U
ClientSampleId :

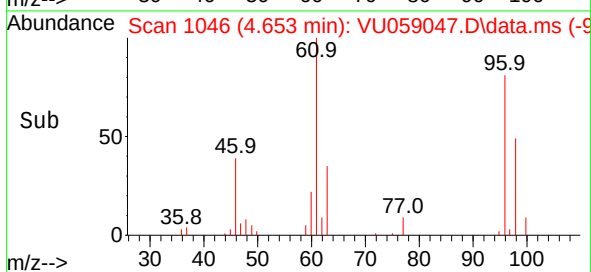
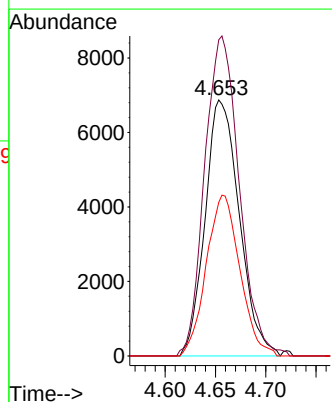
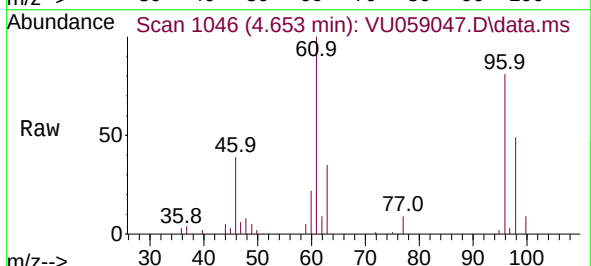


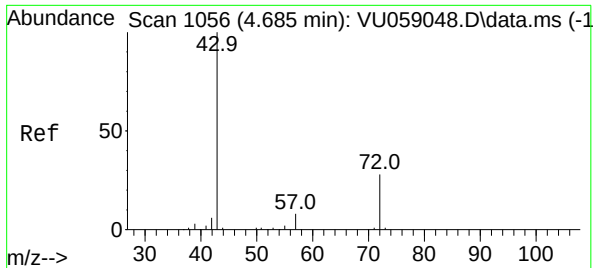
Tgt Ion:	63	Resp:	30341
Ion Ratio	Lower	Upper	
63	100		
65	33.5	21.3	39.5
83	13.9	8.8	16.3



#20
cis-1,2-Dichloroethene
Concen: 10.364 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion:	96	Resp:	16288
Ion Ratio	Lower	Upper	
96	100		
61	123.5	96.2	178.6
98	60.0	45.6	84.6

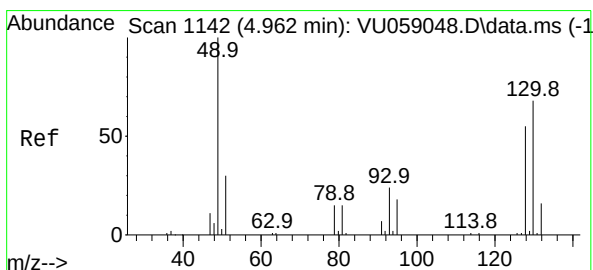
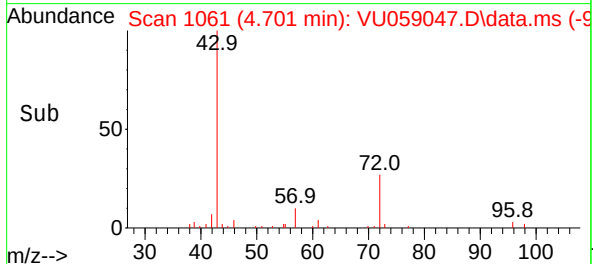
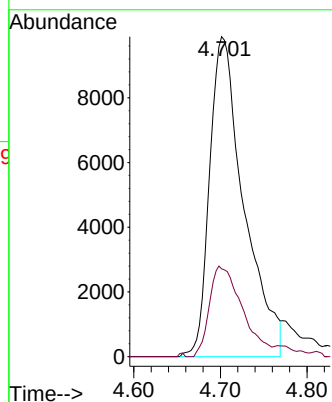
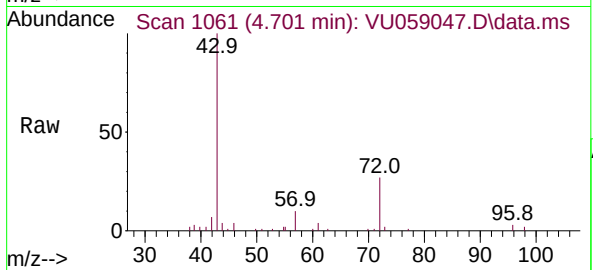




#22
2-Butanone
Concen: 17.284 ug/L
RT: 4.701 min Scan# 1061
Delta R.T. 0.016 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

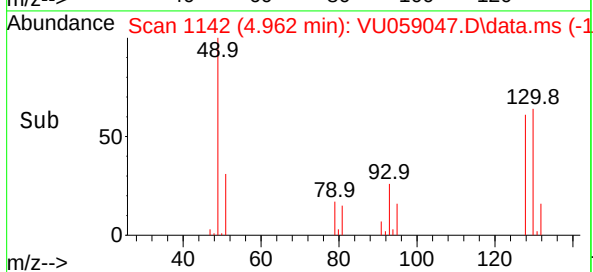
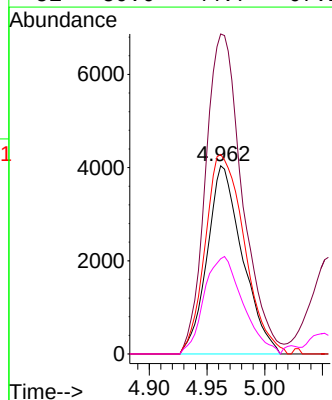
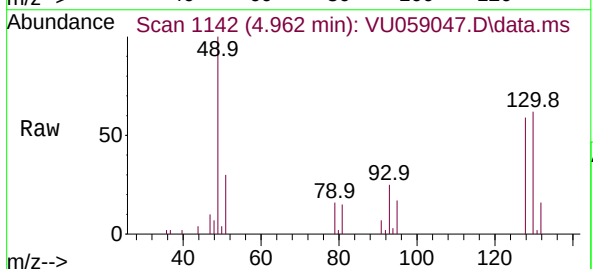
Instrument :
MSVOA_U
ClientSampleId :

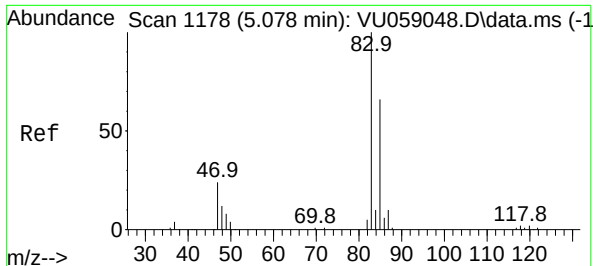
Tgt Ion: 43 Resp: 27163
Ion Ratio Lower Upper
43 100
72 27.2 14.2 42.8



#23
Bromochloromethane
Concen: 10.471 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion:128 Resp: 8551
Ion Ratio Lower Upper
128 100
49 170.0 128.4 238.4
130 106.0 86.9 161.3
51 50.6 44.7 67.1





#25

Chloroform

Concen: 9.703 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

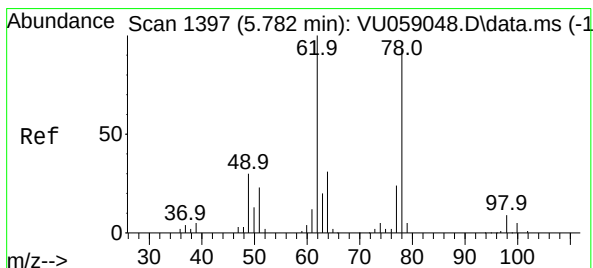
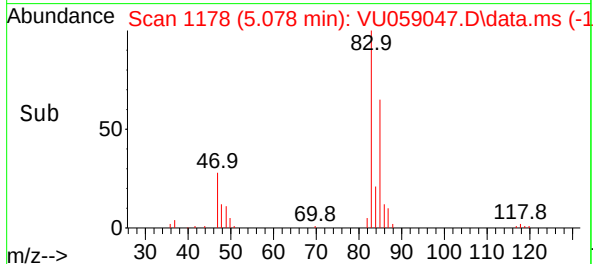
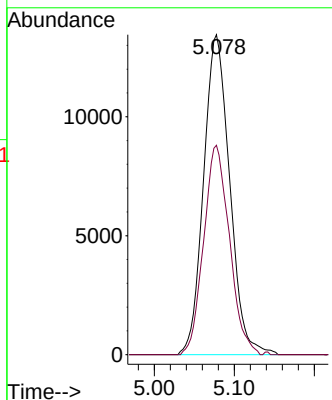
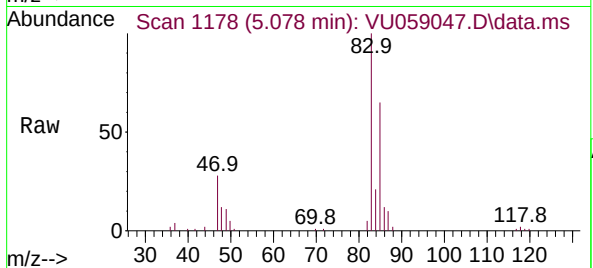
ClientSampleId :

Tgt Ion: 83 Resp: 30519

Ion Ratio Lower Upper

83 100

85 65.5 46.1 85.7



#27

1,2-Dichloroethane

Concen: 10.292 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU059047.D

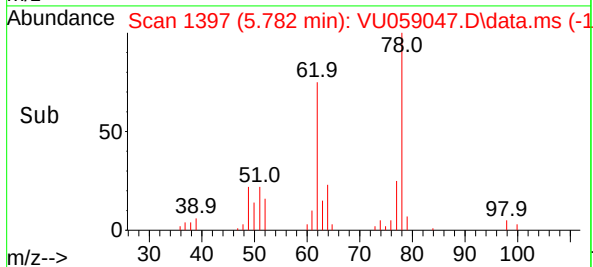
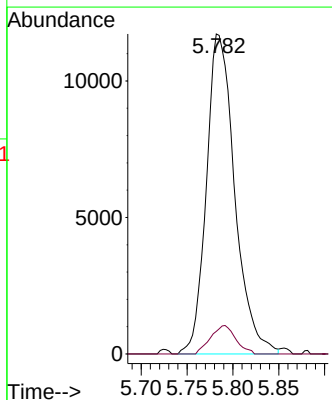
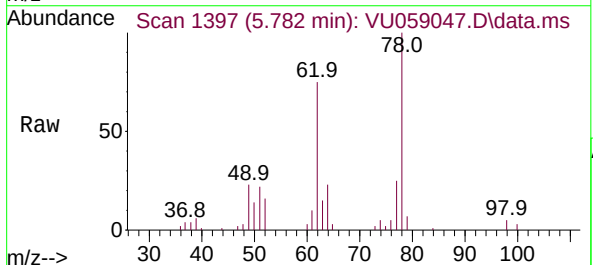
Acq: 29 May 2024 12:37

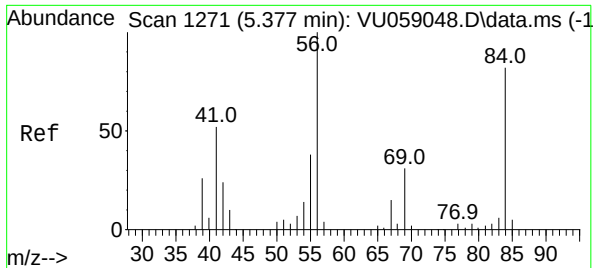
Tgt Ion: 62 Resp: 25247

Ion Ratio Lower Upper

62 100

98 7.1 6.9 10.3





#29

Cyclohexane

Concen: 13.600 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

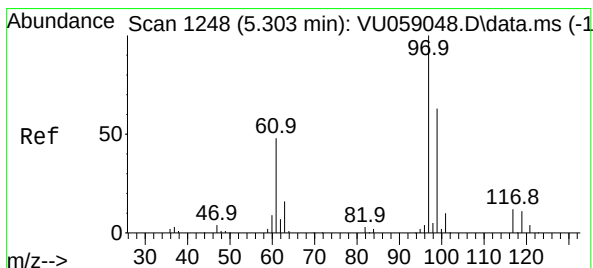
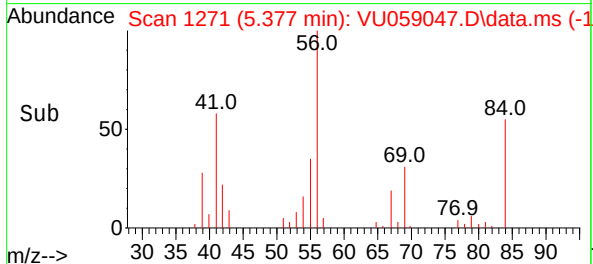
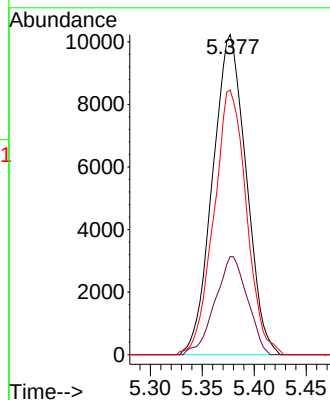
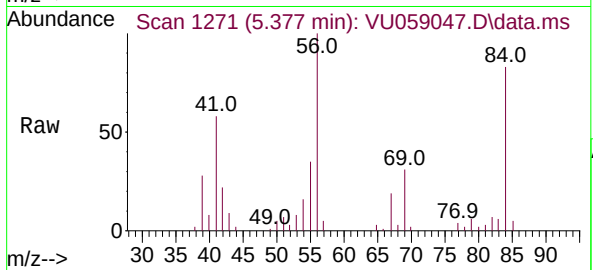
Tgt Ion: 56 Resp: 22988

Ion Ratio Lower Upper

56 100

69 29.5 24.6 37.0

84 80.3 67.4 101.0



#30

1,1,1-Trichloroethane

Concen: 11.007 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

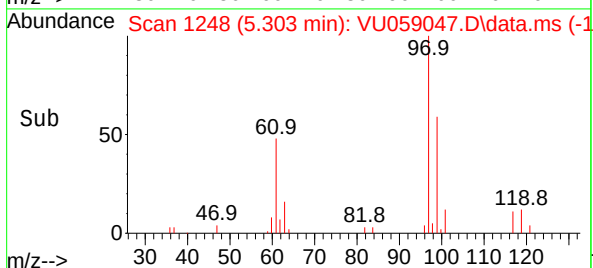
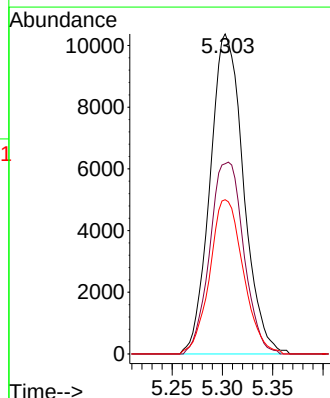
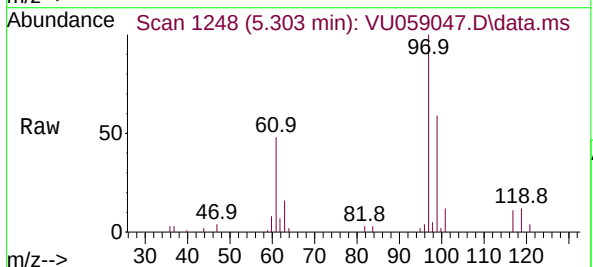
Tgt Ion: 97 Resp: 23952

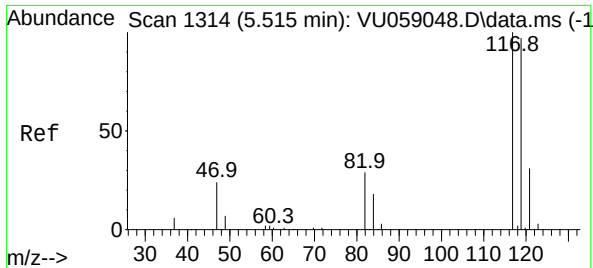
Ion Ratio Lower Upper

97 100

99 60.9 51.6 77.4

61 48.4 39.1 58.7

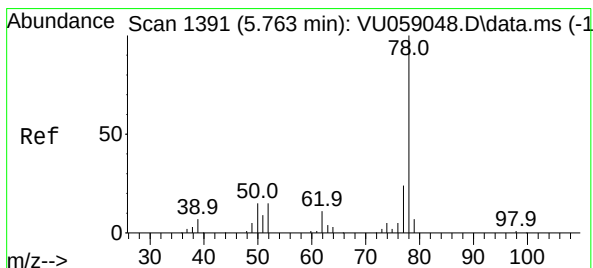
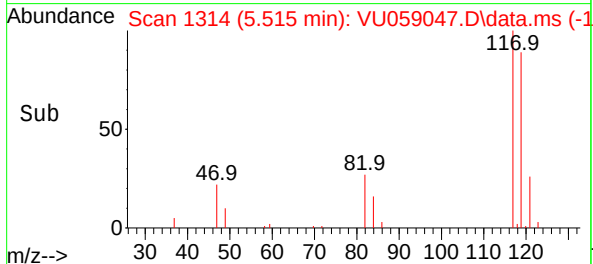
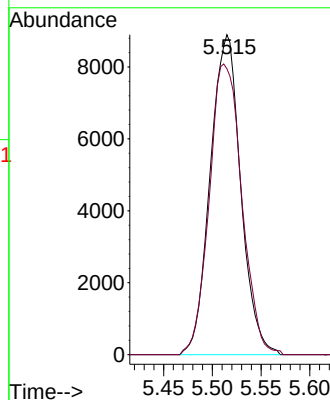
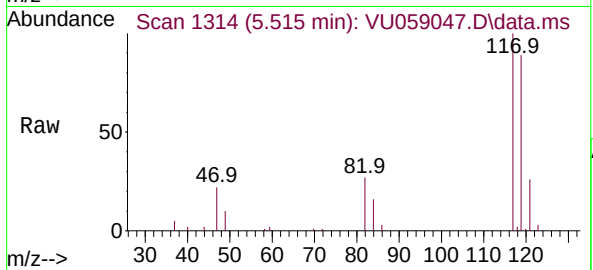




#31
Carbon tetrachloride
Concen: 10.971 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

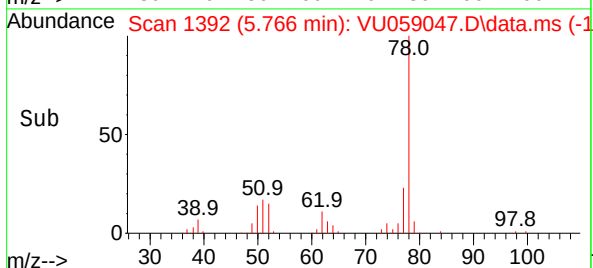
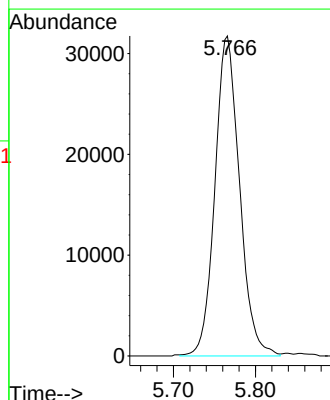
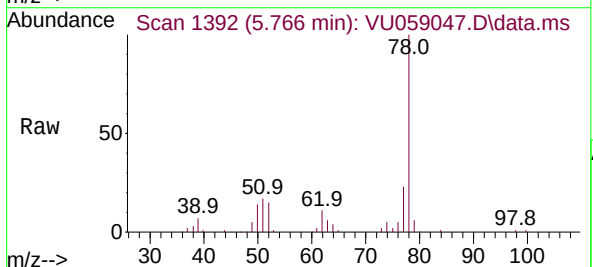
Instrument :
MSVOA_U
ClientSampleId :

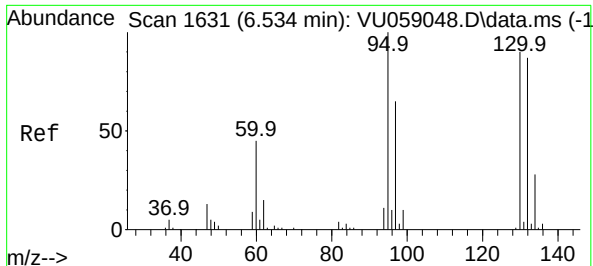
Tgt Ion:117 Resp: 19347
Ion Ratio Lower Upper
117 100
119 97.0 76.9 115.3



#33
Benzene
Concen: 11.802 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

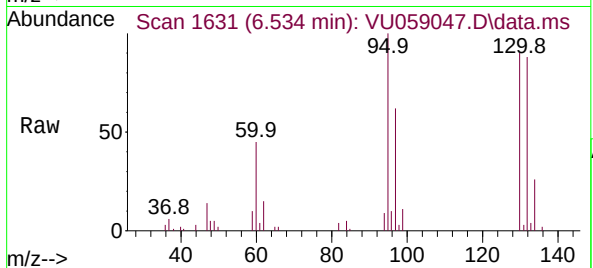
Tgt Ion: 78 Resp: 66169



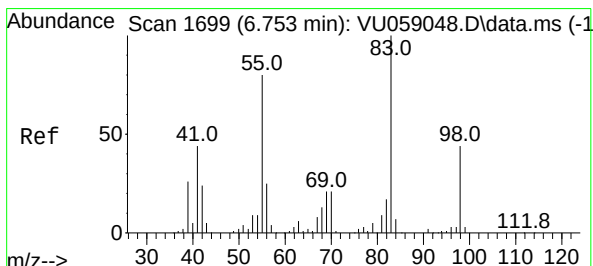
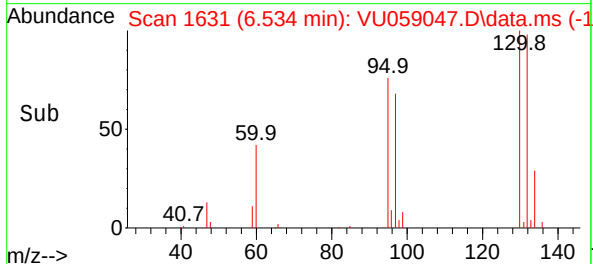
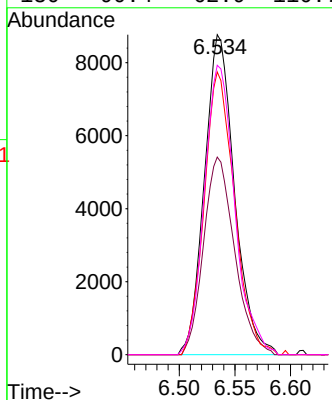


#34
Trichloroethene
Concen: 11.298 ug/L
RT: 6.534 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Instrument :
MSVOA_U
ClientSampleId :

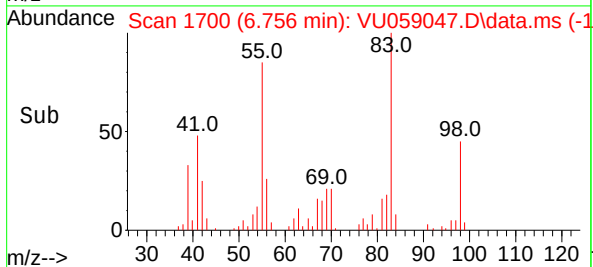
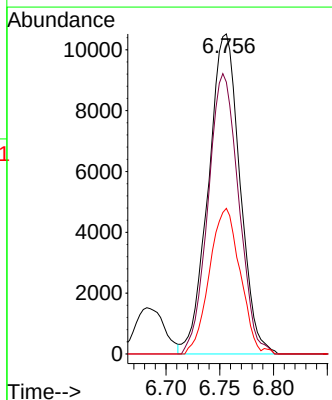
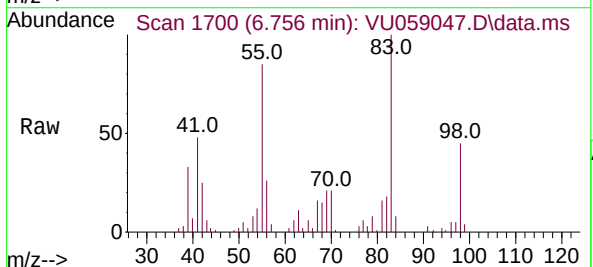


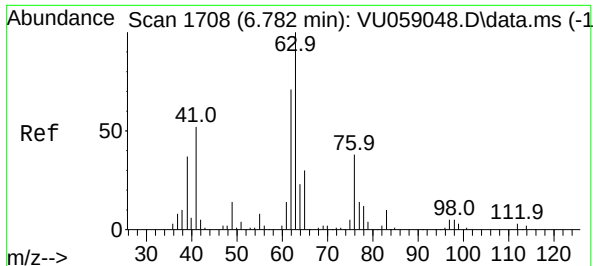
Tgt Ion: 95	Resp: 16476
Ion Ratio	Lower Upper
95 100	
97 61.7	45.2 84.0
132 88.3	60.6 112.6
130 90.4	62.9 116.7



#35
Methylcyclohexane
Concen: 11.817 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion: 83	Resp: 21443
Ion Ratio	Lower Upper
83 100	
55 84.9	63.9 95.9
98 43.9	34.7 52.1

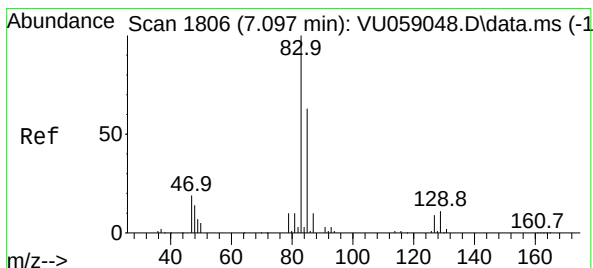
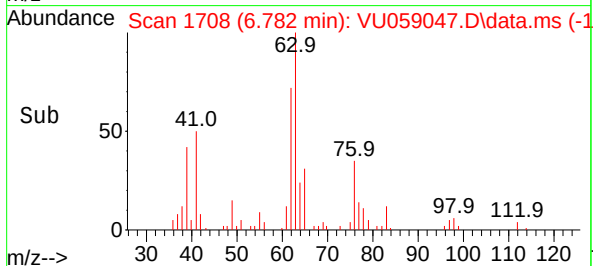
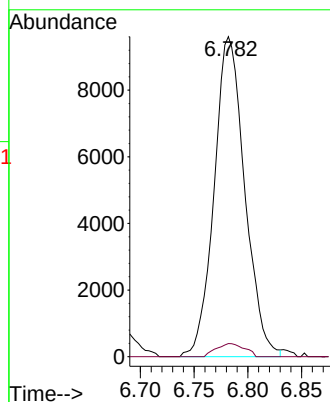
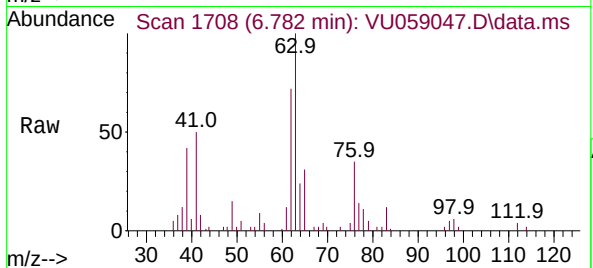




#37
1,2-Dichloropropane
Concen: 10.716 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

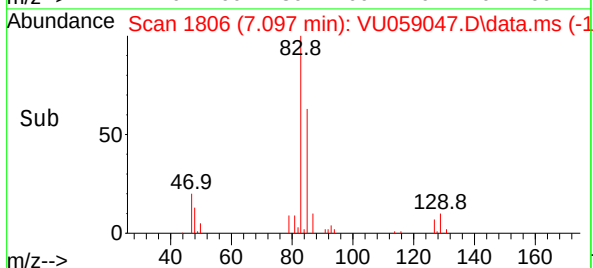
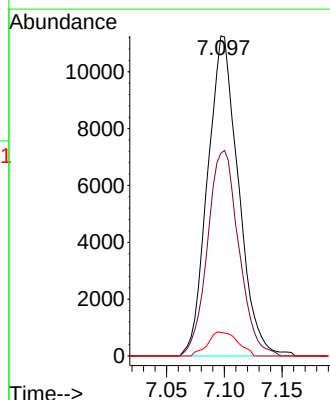
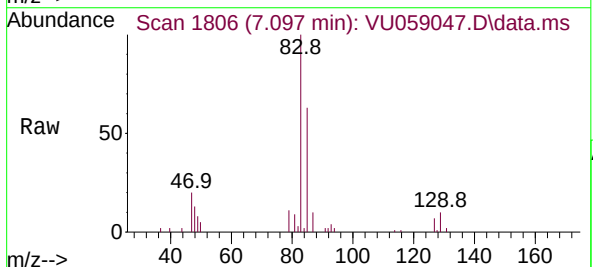
Instrument :
MSVOA_U
ClientSampleId :

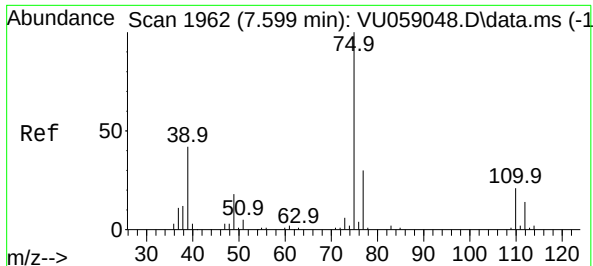
Tgt Ion: 63 Resp: 19032
Ion Ratio Lower Upper
63 100
112 3.8 2.6 4.0



#38
Bromodichloromethane
Concen: 9.650 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion: 83 Resp: 20829
Ion Ratio Lower Upper
83 100
85 63.4 44.0 81.6
127 8.4 7.0 10.6

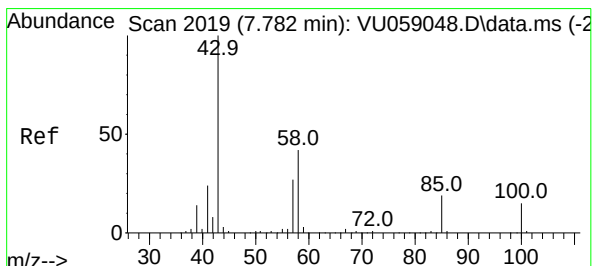
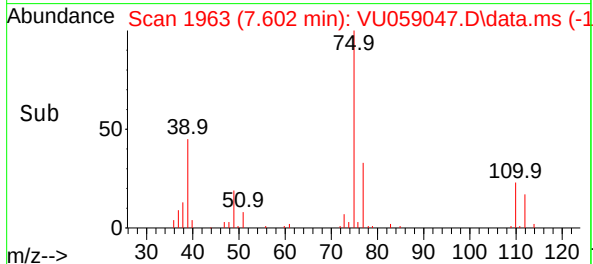
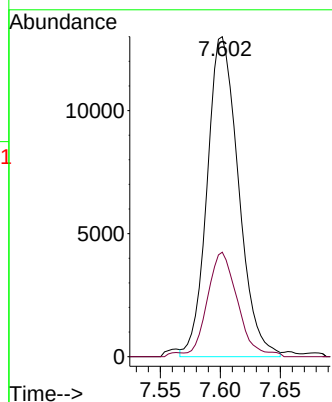
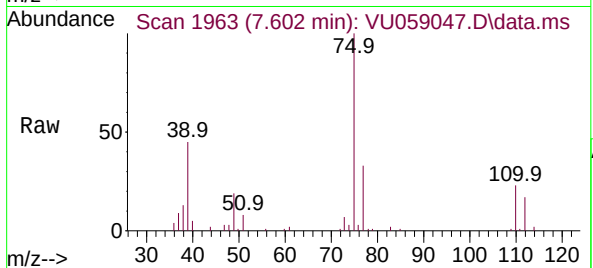




#39
 cis-1,3-Dichloropropene
 Concen: 9.682 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU059047.D
 Acq: 29 May 2024 12:37

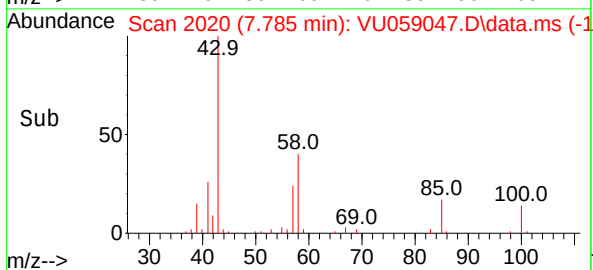
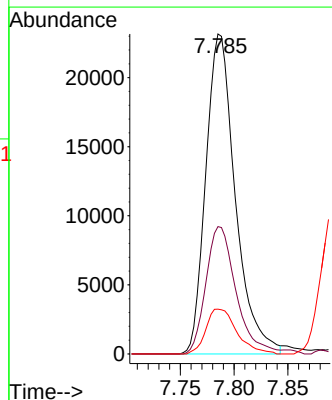
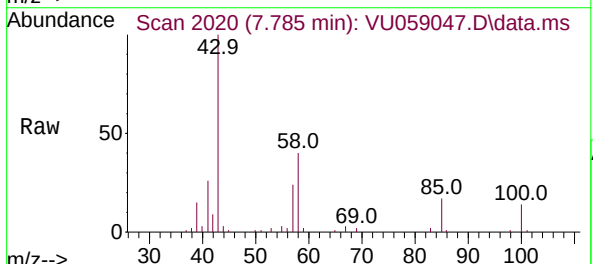
Instrument :
 MSVOA_U
 ClientSampleId :

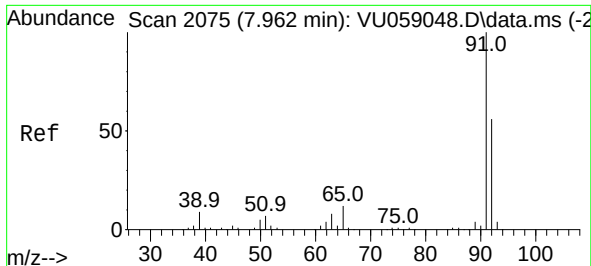
Tgt Ion: 75 Resp: 23649
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 17.949 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.003 min
 Lab File: VU059047.D
 Acq: 29 May 2024 12:37

Tgt Ion: 43 Resp: 44220
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.7 50.5
 100 14.7 11.4 17.0





#42

Toluene

Concen: 10.654 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

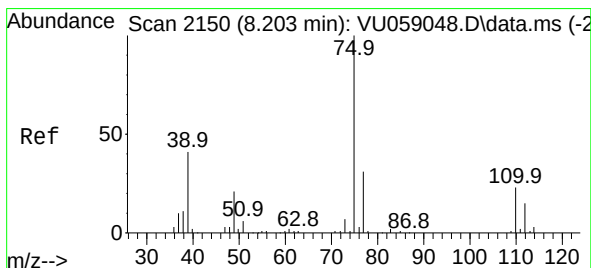
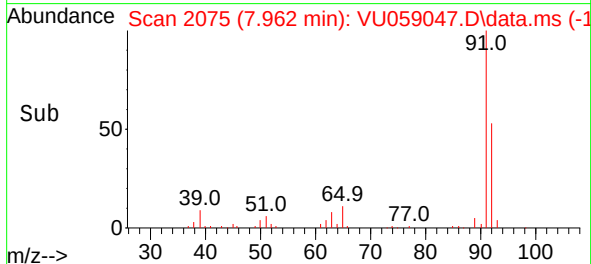
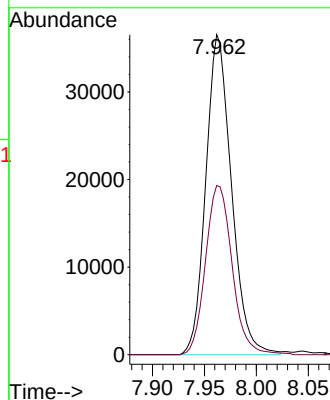
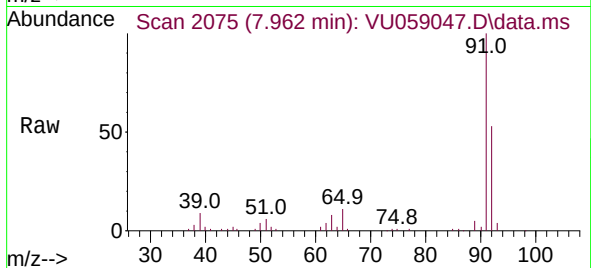
ClientSampleId :

Tgt Ion: 91 Resp: 62791

Ion Ratio Lower Upper

91 100

92 52.8 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 9.112 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU059047.D

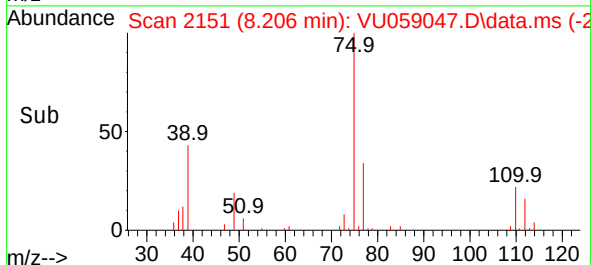
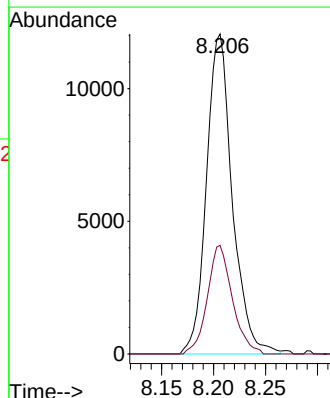
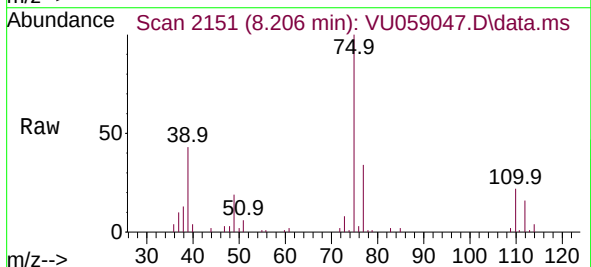
Acq: 29 May 2024 12:37

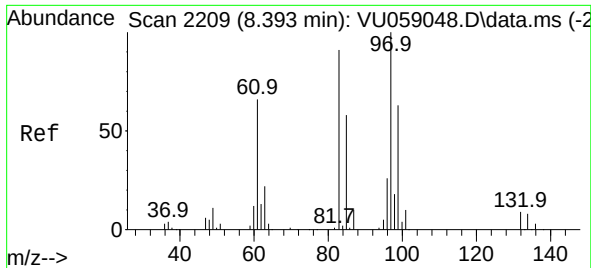
Tgt Ion: 75 Resp: 20835

Ion Ratio Lower Upper

75 100

77 34.0 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 9.492 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 16281

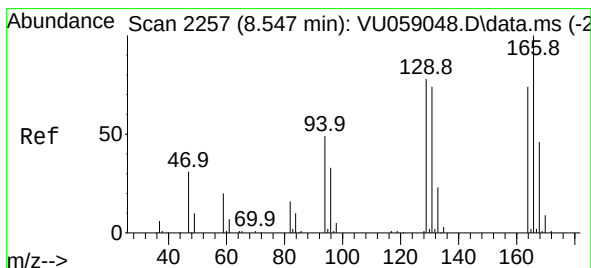
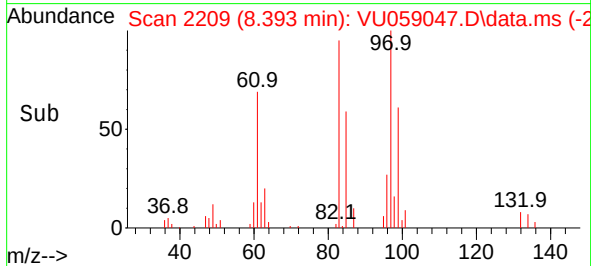
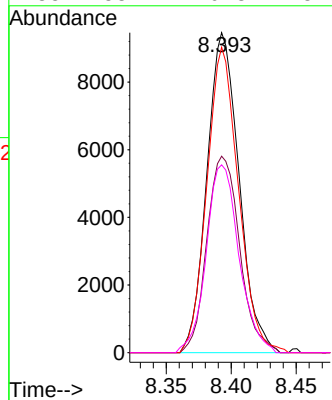
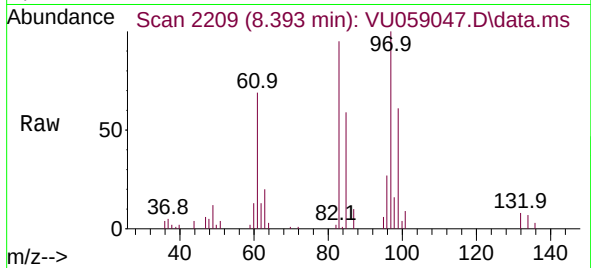
Ion Ratio Lower Upper

97 100

99 61.4 44.0 81.6

83 95.4 63.6 118.2

85 58.7 40.8 75.8



#46

Tetrachloroethene

Concen: 10.669 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Tgt Ion:164 Resp: 10354

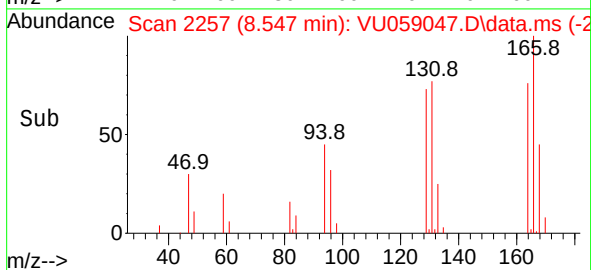
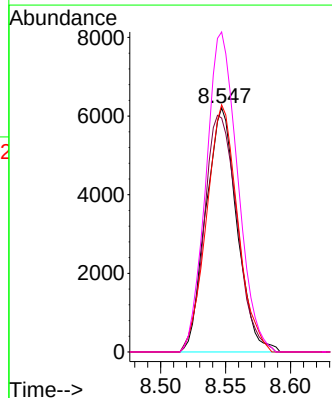
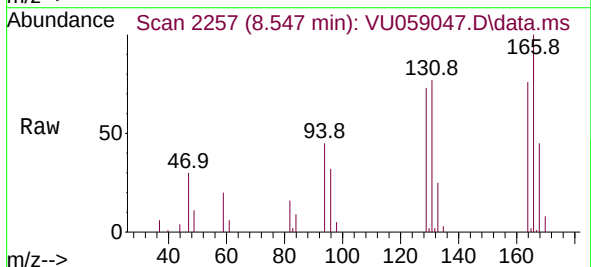
Ion Ratio Lower Upper

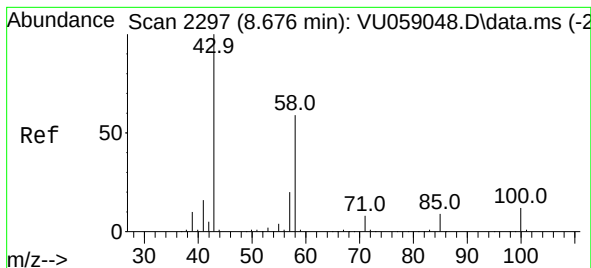
164 100

129 95.8 74.5 138.5

131 101.3 70.6 131.0

166 131.1 95.1 176.7





#48

2-Hexanone

Concen: 18.669 ug/L

RT: 8.682 min Scan# 2297

Delta R.T. 0.006 min

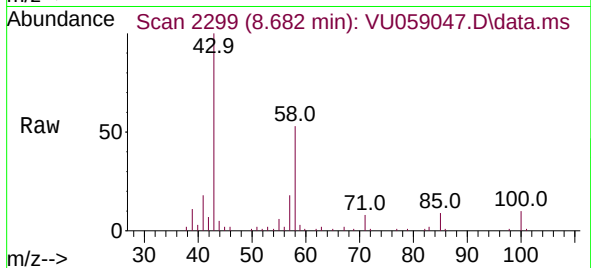
Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 38037

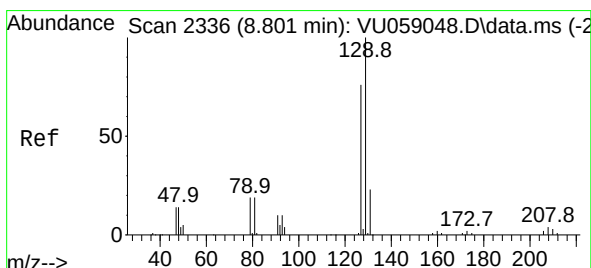
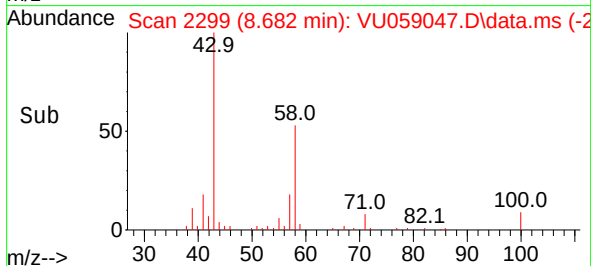
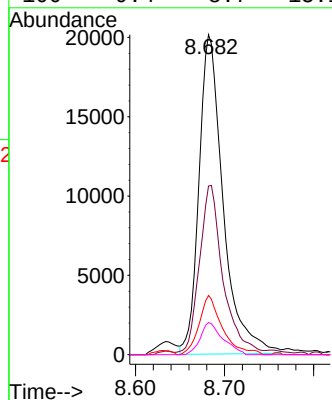
Ion Ratio Lower Upper

43 100

58 50.6 45.9 68.9

57 17.2 16.3 24.5

100 9.4 8.7 13.1



#49

Dibromochloromethane

Concen: 9.009 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU059047.D

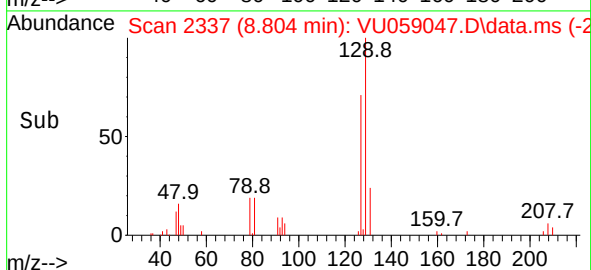
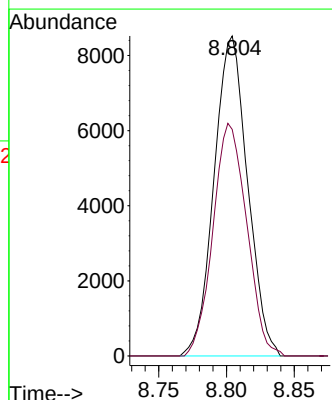
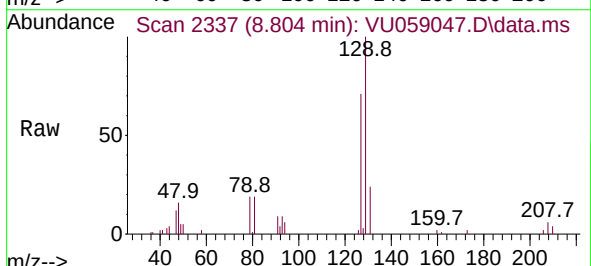
Acq: 29 May 2024 12:37

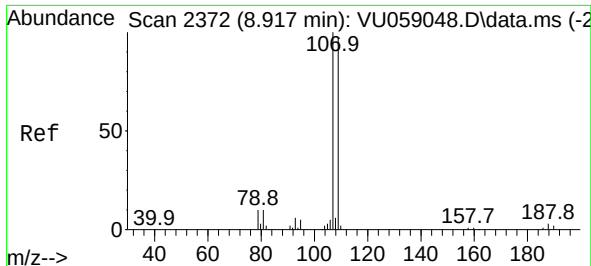
Tgt Ion: 129 Resp: 14643

Ion Ratio Lower Upper

129 100

127 70.8 53.3 98.9





#50

1,2-Dibromoethane

Concen: 9.862 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

Lab File: VU059047.D

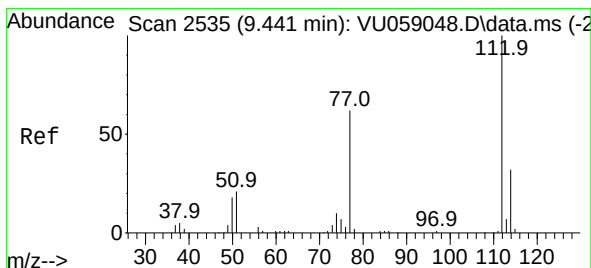
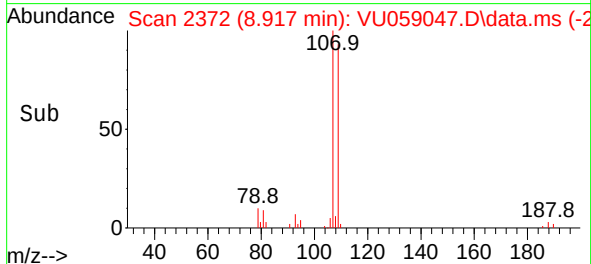
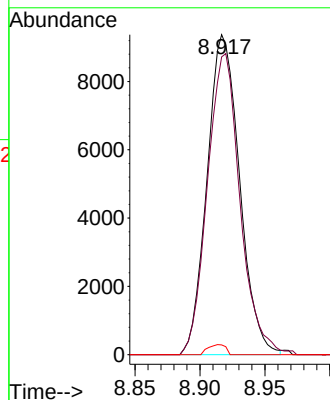
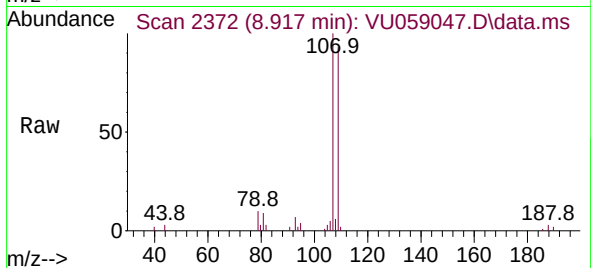
Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	16324
Ion	Ratio	Lower	Upper
107	100		
109	93.1	67.8	125.8
188	3.1	2.5	3.7



#51

Chlorobenzene

Concen: 9.896 ug/L

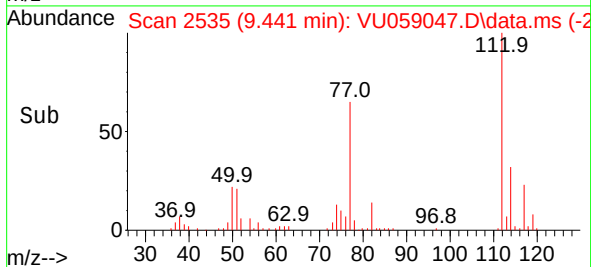
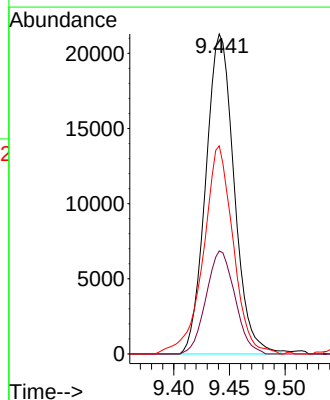
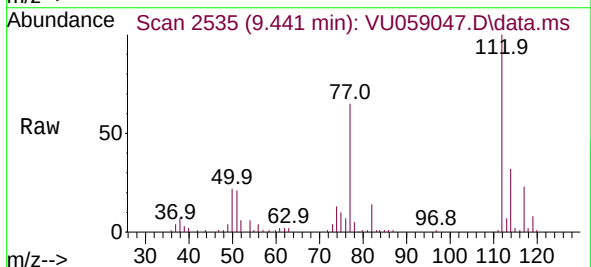
RT: 9.441 min Scan# 2535

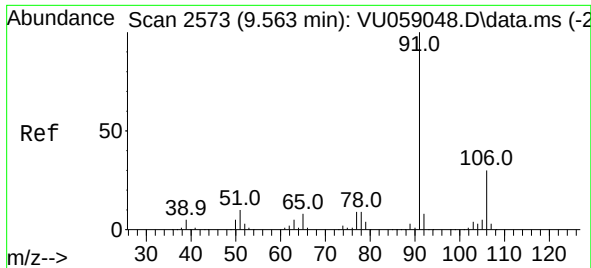
Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Tgt Ion:	112	Resp:	37765
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.1	41.1
77	65.1	49.8	74.6

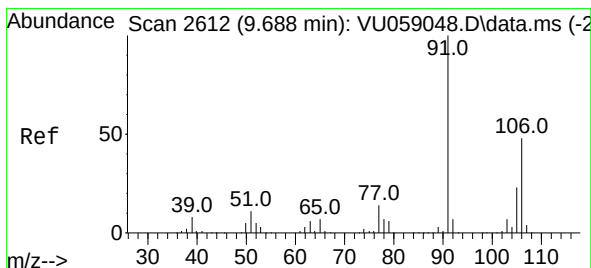
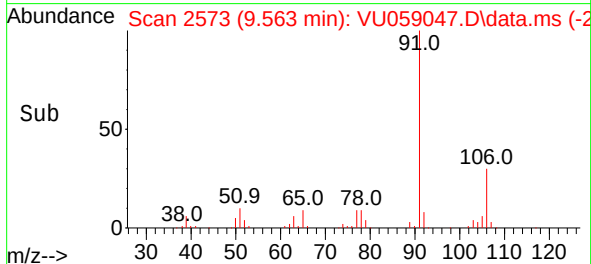
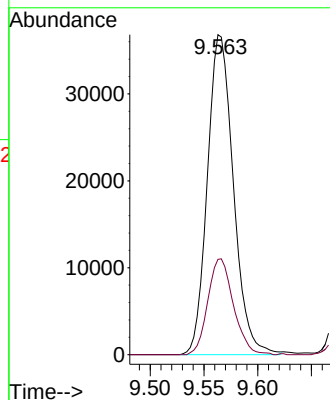
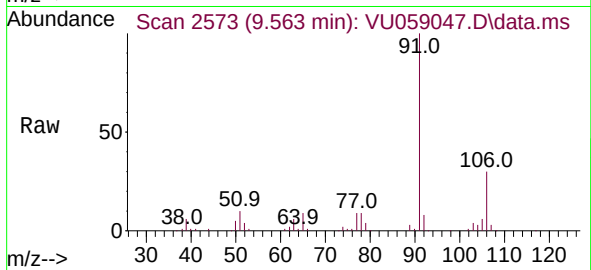




#52
Ethylbenzene
Concen: 9.792 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

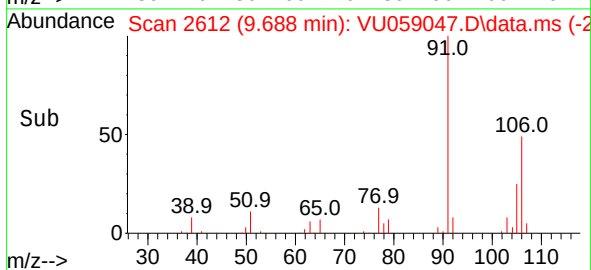
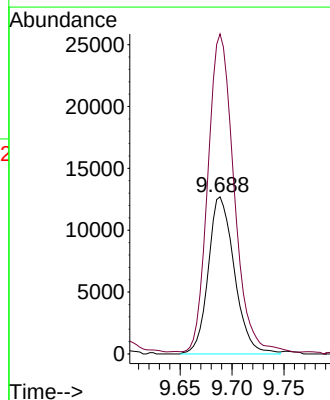
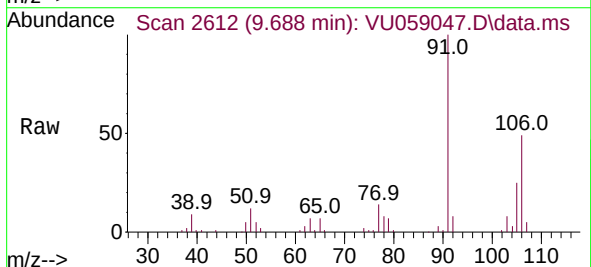
Instrument :
MSVOA_U
ClientSampleId :

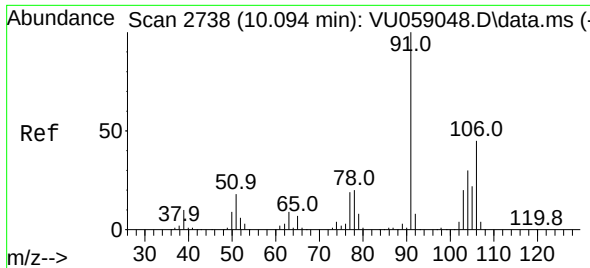
Tgt Ion: 91 Resp: 62015
Ion Ratio Lower Upper
91 100
106 29.8 21.0 39.0



#53
m,p-Xylene
Concen: 9.710 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion:106 Resp: 22206
Ion Ratio Lower Upper
106 100
91 203.7 146.4 272.0

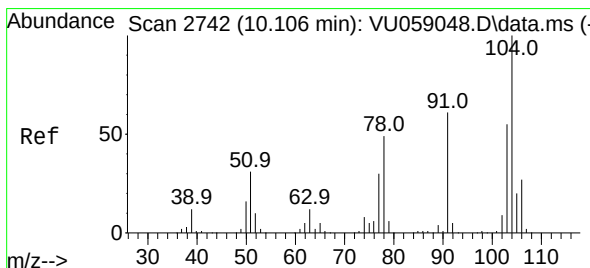
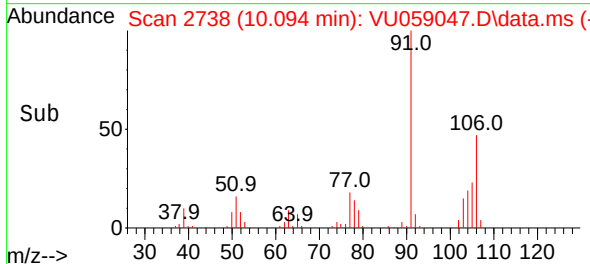
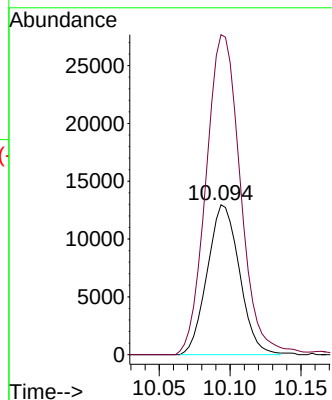
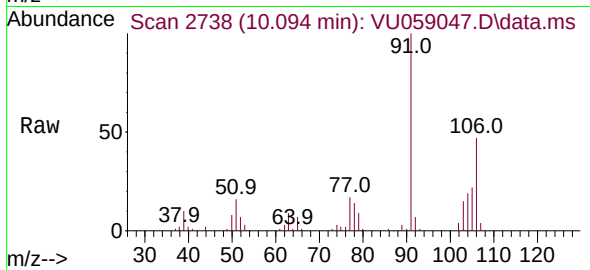




#54
o-Xylene
Concen: 8.995 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

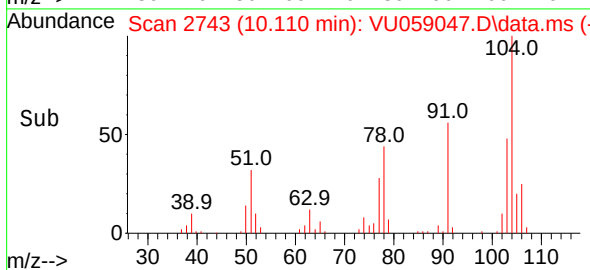
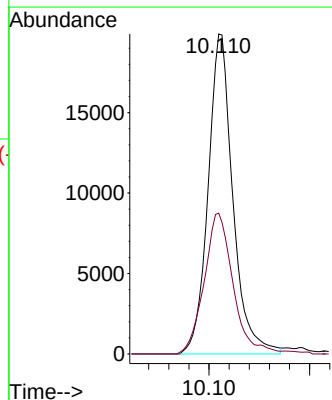
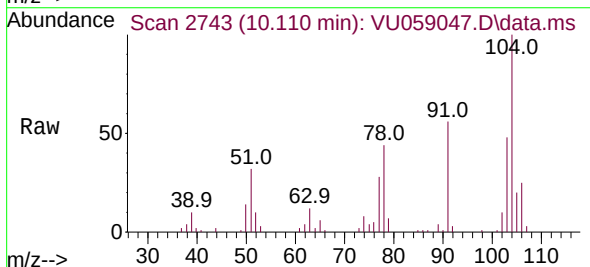
Instrument :
MSVOA_U
ClientSampleId :

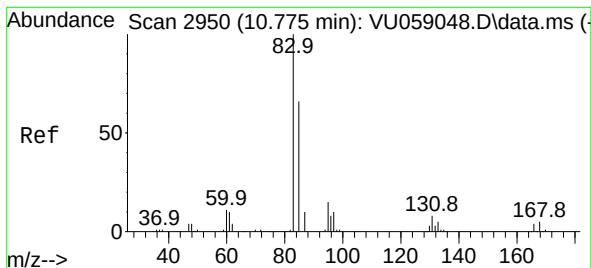
Tgt Ion:106 Resp: 20455
Ion Ratio Lower Upper
106 100
91 213.5 156.7 290.9



#55
Styrene
Concen: 8.491 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion:104 Resp: 34000
Ion Ratio Lower Upper
104 100
78 44.0 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 9.672 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

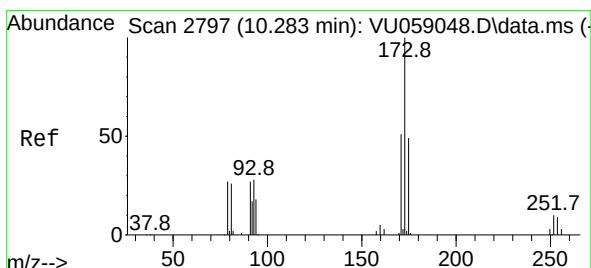
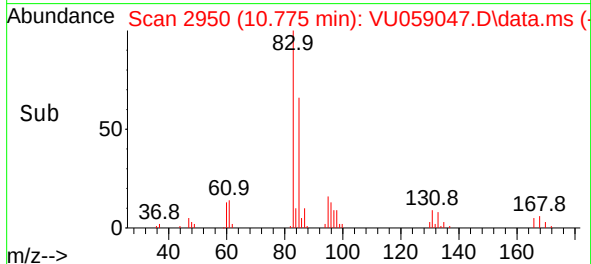
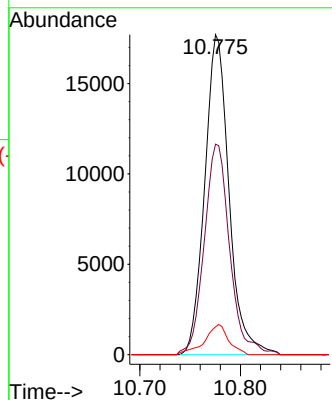
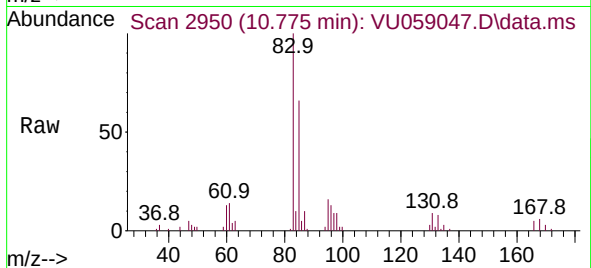
Tgt Ion: 83 Resp: 29719

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.7

131 8.7 7.0 10.4



#59

Bromoform

Concen: 9.852 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

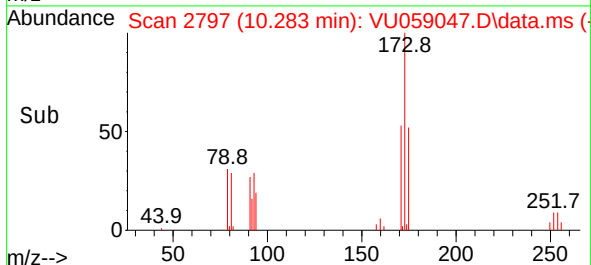
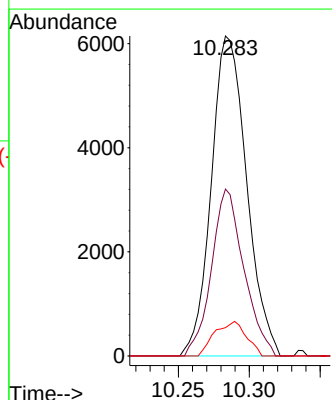
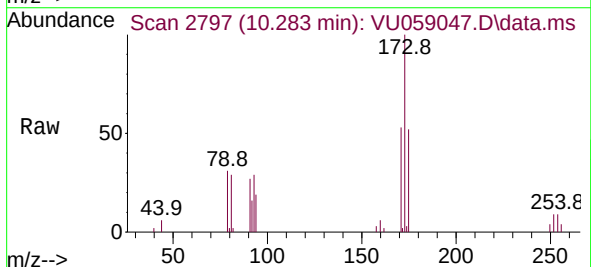
Tgt Ion:173 Resp: 10665

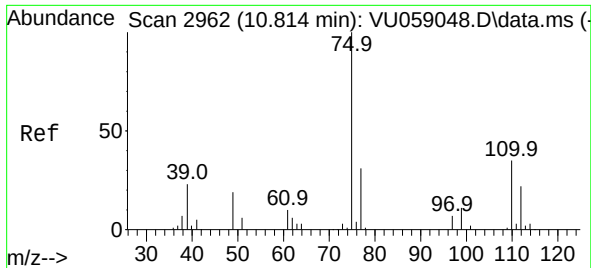
Ion Ratio Lower Upper

173 100

175 47.7 39.0 58.6

254 9.6 7.5 11.3

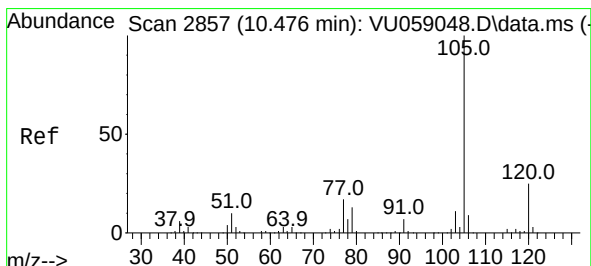
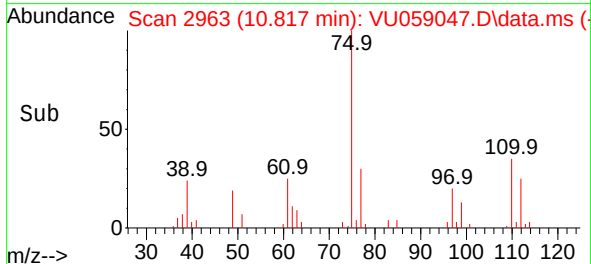
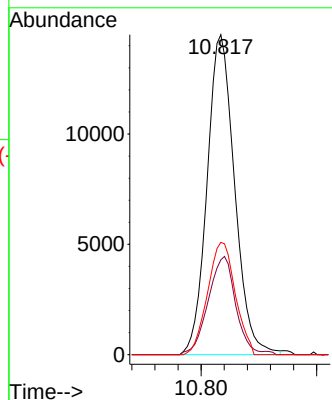
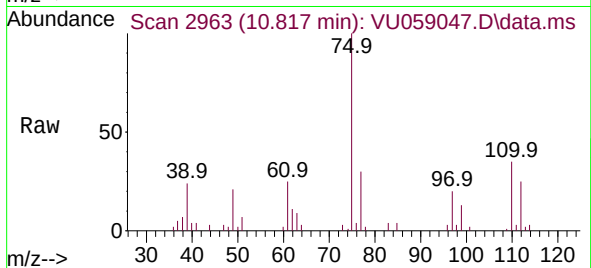




#60
1,2,3-Trichloropropane
Concen: 11.356 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

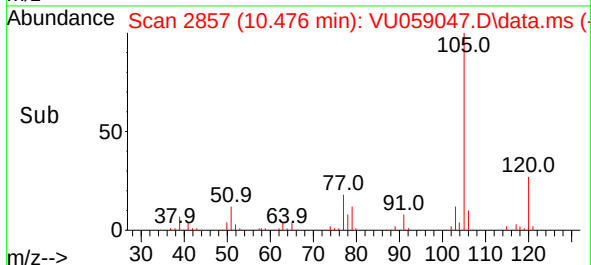
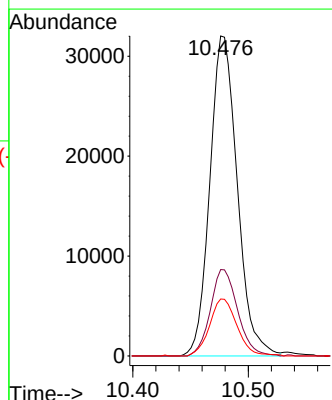
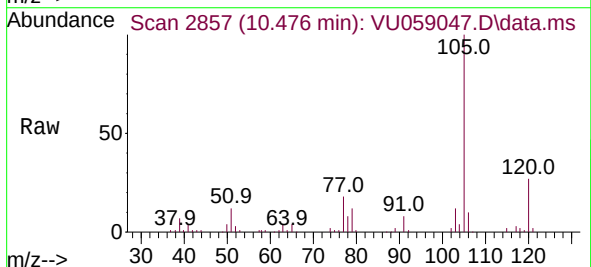
Instrument :
MSVOA_U
ClientSampleId :

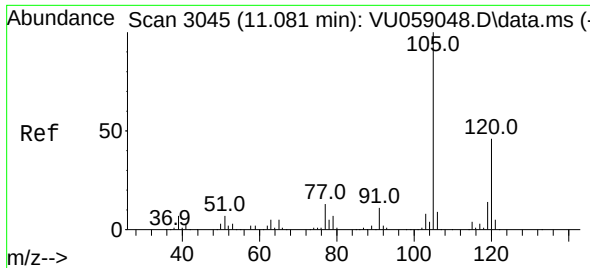
Tgt Ion: 75 Resp: 23996
Ion Ratio Lower Upper
75 100
77 30.4 26.2 39.2
110 35.2 28.4 42.6



#61
Isopropylbenzene
Concen: 9.844 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU059047.D
Acq: 29 May 2024 12:37

Tgt Ion: 105 Resp: 52838
Ion Ratio Lower Upper
105 100
120 26.8 20.3 30.5
77 17.9 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 8.878 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

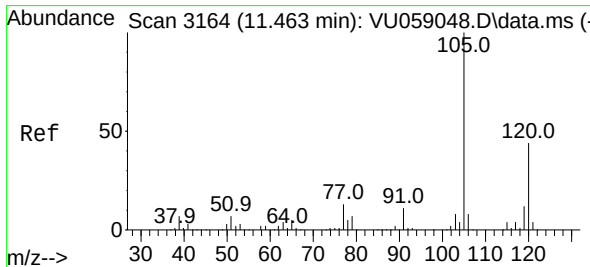
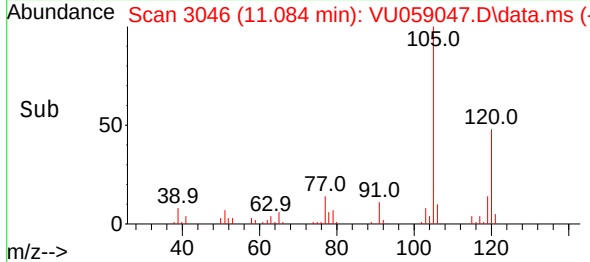
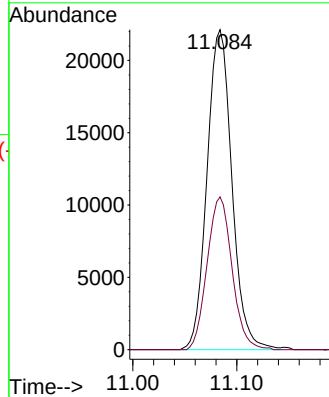
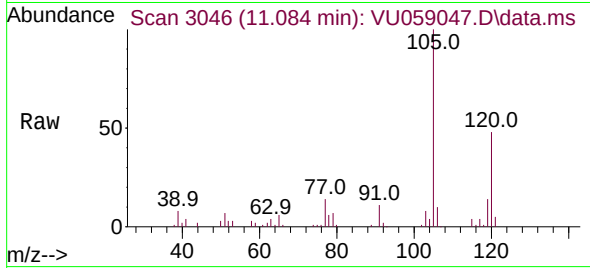
ClientSampleId :

Tgt Ion:105 Resp: 36798

Ion Ratio Lower Upper

105 100

120 47.8 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 8.973 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU059047.D

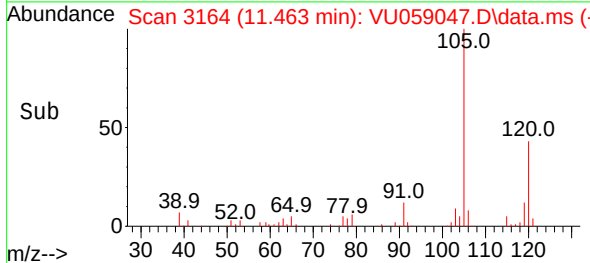
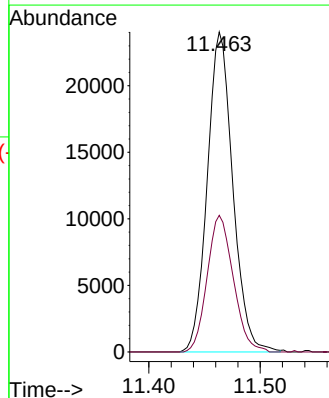
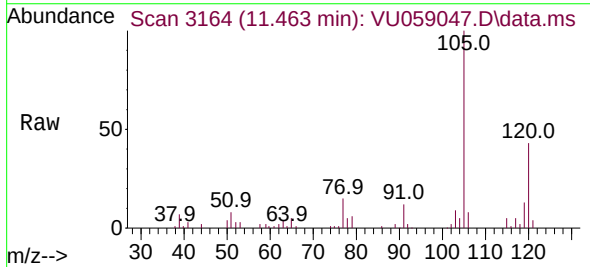
Acq: 29 May 2024 12:37

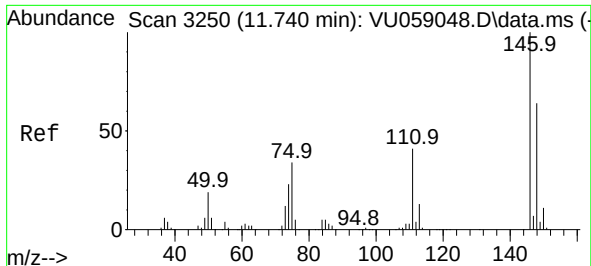
Tgt Ion:105 Resp: 38295

Ion Ratio Lower Upper

105 100

120 43.6 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 9.536 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

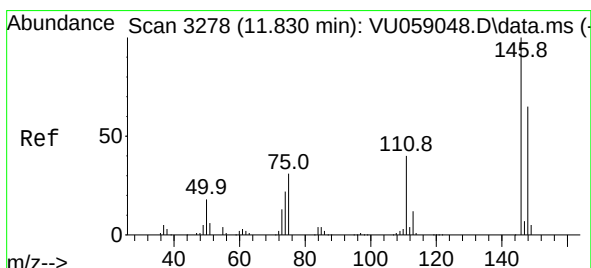
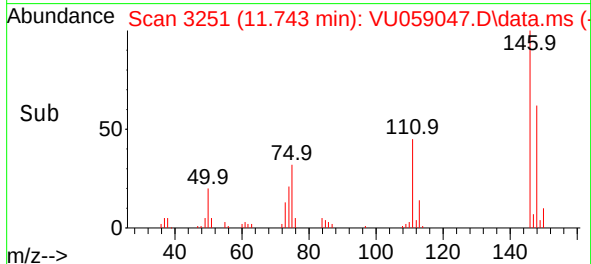
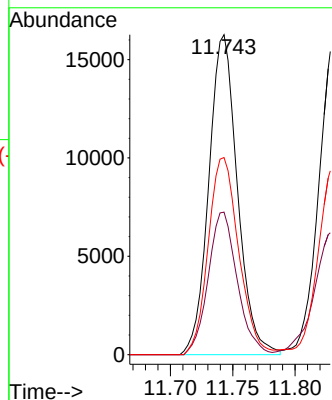
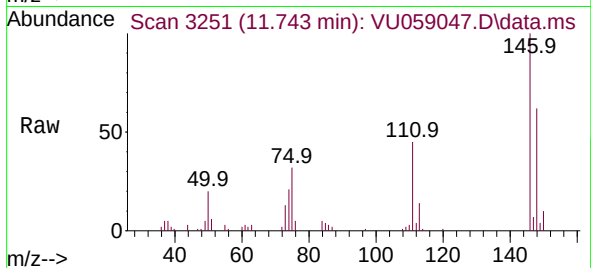
Tgt Ion:146 Resp: 26032

Ion Ratio Lower Upper

146 100

111 44.6 28.7 53.3

148 61.6 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 9.925 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

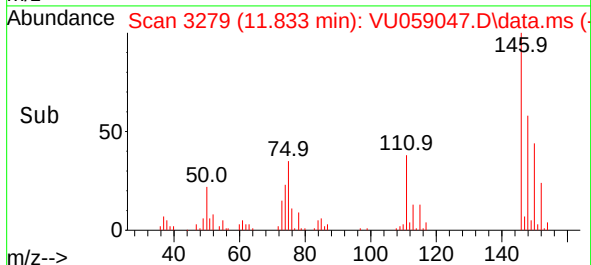
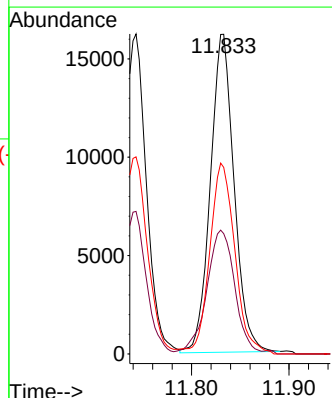
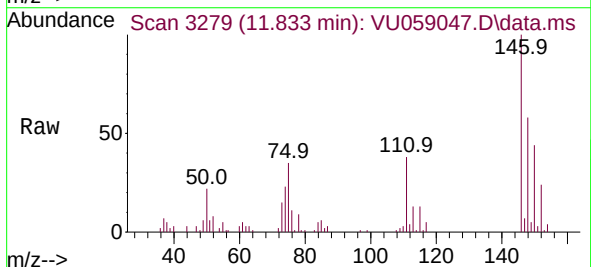
Tgt Ion:146 Resp: 27347

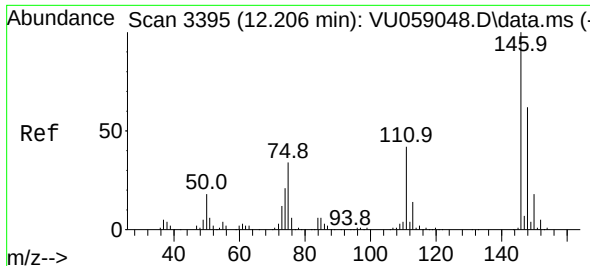
Ion Ratio Lower Upper

146 100

111 37.7 27.9 51.9

148 58.3 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 9.863 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

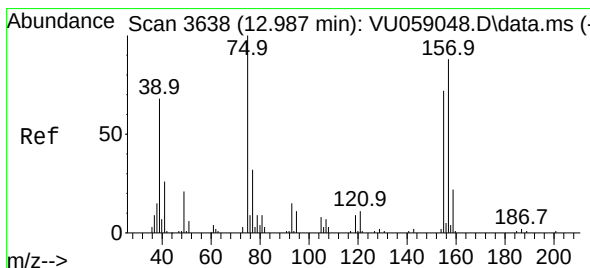
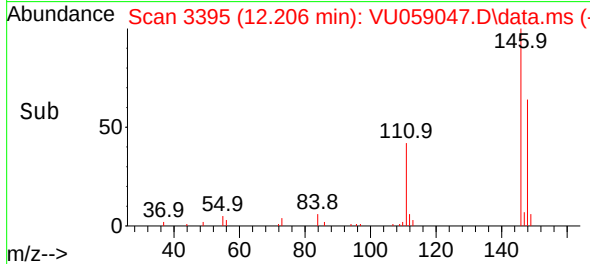
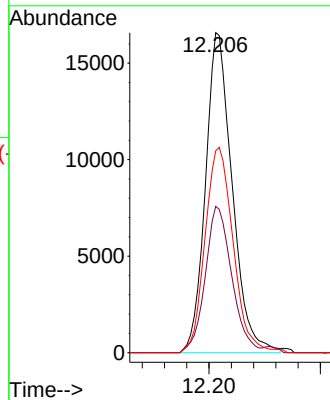
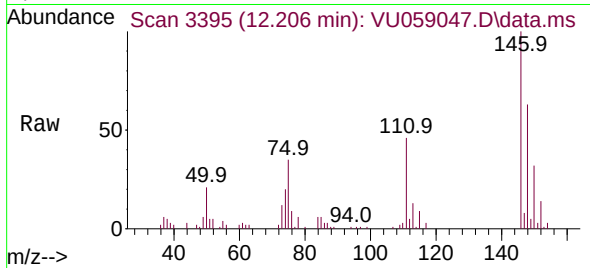
Tgt Ion:146 Resp: 27625

Ion Ratio Lower Upper

146 100

111 45.7 33.4 50.2

148 63.1 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 9.686 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.006 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

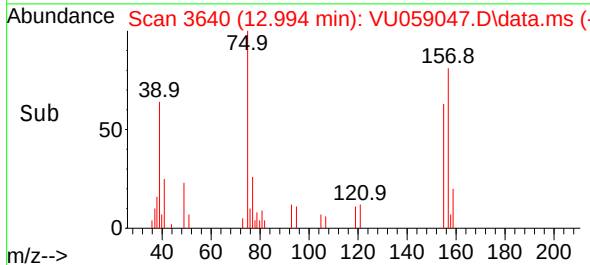
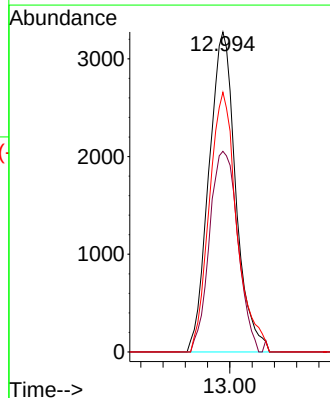
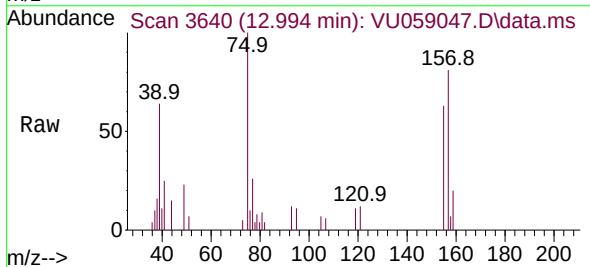
Tgt Ion: 75 Resp: 5489

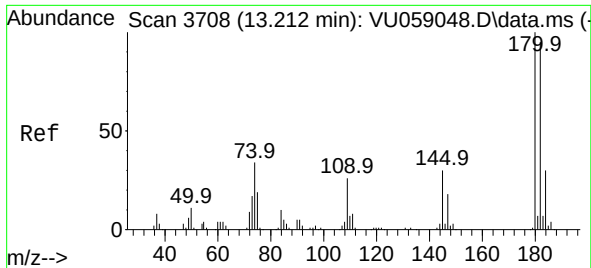
Ion Ratio Lower Upper

75 100

155 62.7 57.5 86.3

157 87.8 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 8.320 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

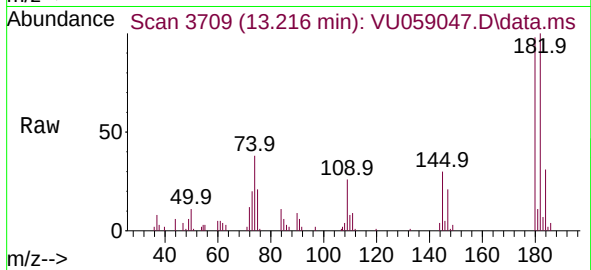
Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 15834

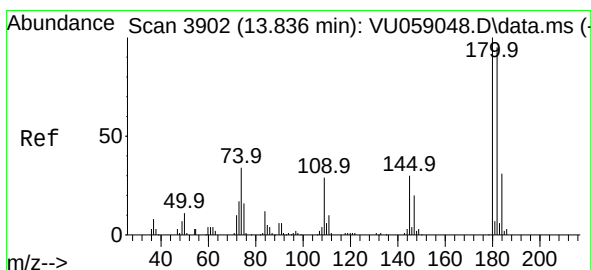
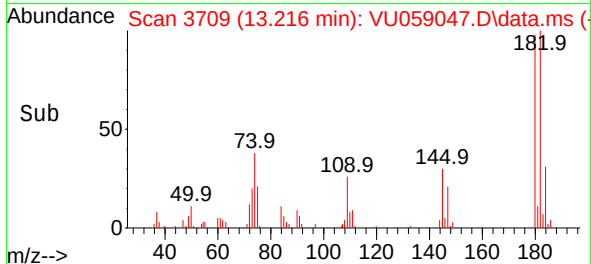
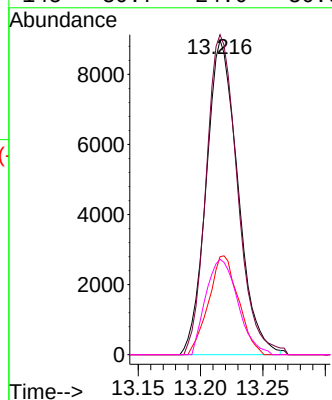
Ion Ratio Lower Upper

180 100

182 100.1 75.6 113.4

184 29.6 24.2 36.2

145 30.7 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 6.879 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

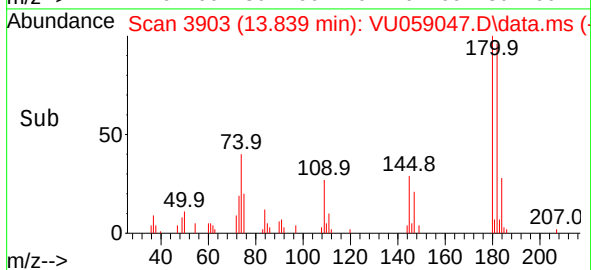
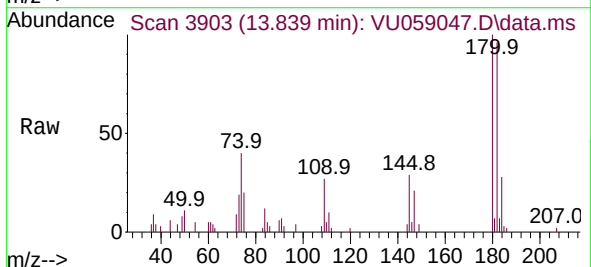
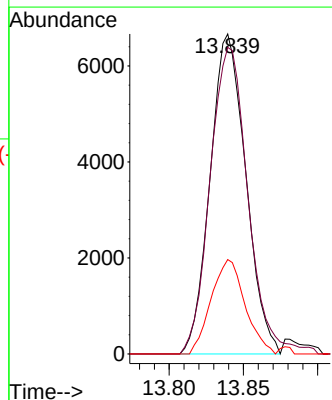
Tgt Ion:180 Resp: 11125

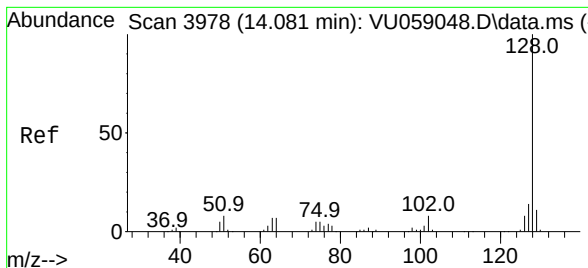
Ion Ratio Lower Upper

180 100

182 101.4 77.4 116.2

145 28.0 24.8 37.2





#71

Naphthalene

Concen: 6.358 ug/L

RT: 14.087 min Scan# 3978

Delta R.T. 0.006 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Instrument :

MSVOA_U

ClientSampleId :

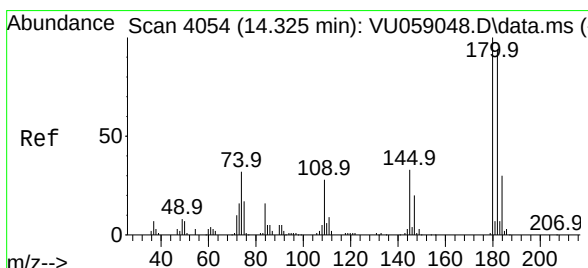
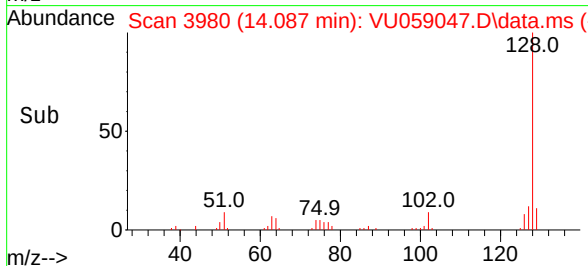
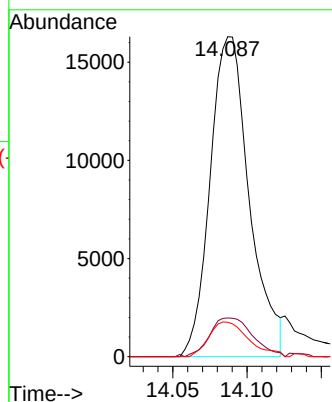
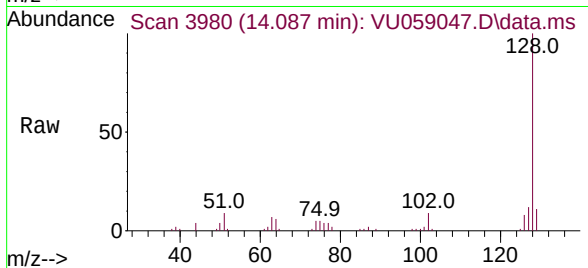
Tgt Ion:128 Resp: 29921

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 7.117 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU059047.D

Acq: 29 May 2024 12:37

Tgt Ion:180 Resp: 11754

Ion Ratio Lower Upper

180 100

182 92.6 76.2 114.4

145 31.4 26.4 39.6

