

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059048.D
 Acq On : 29 May 2024 13:02
 Operator : MD/SY
 Sample : VSTD050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:09:00 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	6.242	114	199345	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	196253	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	96412	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	62451	32.110	ug/L	0.00
7) Chloroethane-d5	1.888	69	51390	31.864	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	118401	38.610	ug/L	0.00
21) 2-Butanone-d5	4.608	46	118260	85.471	ug/L	0.00
24) Chloroform-d	5.052	84	122965	36.237	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	76601	36.916	ug/L	0.00
32) Benzene-d6	5.718	84	232819	37.328	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	79059	37.937	ug/L	0.00
41) Toluene-d8	7.891	98	199142	35.903	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	33810	36.400	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	75024	86.023	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	129673	40.759	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	71870	38.272	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	104183	69.730	ug/L	100
3) Chloromethane	1.515	50	114357	70.584	ug/L	100
5) Vinyl chloride	1.599	62	116203	63.672	ug/L	100
6) Bromomethane	1.827	94	96481	80.526	ug/L	100
8) Chloroethane	1.911	64	69198	57.219	ug/L	100
9) Trichlorofluoromethane	2.123	101	133287	56.180	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	78533	50.201	ug/L	100
12) 1,1-Dichloroethene	2.567	96	71834	55.692	ug/L	100
13) Acetone	2.612	43	132391	99.945	ug/L	100
14) Carbon disulfide	2.782	76	231501	82.430	ug/L	100
15) Methyl Acetate	2.936	43	102917	49.987	ug/L	100
16) Methylene chloride	3.033	84	91849	45.574	ug/L	100
17) trans-1,2-Dichloroethene	3.341	96	75614	57.763	ug/L	100
18) Methyl tert-butyl Ether	3.351	73	243658	49.222	ug/L	100
19) 1,1-Dichloroethane	3.853	63	162395	50.619	ug/L	100
20) cis-1,2-Dichloroethene	4.653	96	85153	51.052	ug/L	100
22) 2-Butanone	4.685	43	157360	94.342	ug/L	100
23) Bromochloromethane	4.962	128	43360	50.030	ug/L	100
25) Chloroform	5.078	83	157666	47.232	ug/L	100
27) 1,2-Dichloroethane	5.782	62	134971	51.844	ug/L	100
29) Cyclohexane	5.377	56	132006	70.693	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	126158	52.478	ug/L	100
31) Carbon tetrachloride	5.515	117	102419	52.573	ug/L	100
33) Benzene	5.763	78	354397	57.217	ug/L	100
34) Trichloroethene	6.534	95	86915	53.948	ug/L	100
35) Methylcyclohexane	6.753	83	130916	65.308	ug/L	100
37) 1,2-Dichloropropane	6.782	63	101204	51.580	ug/L	100
38) Bromodichloromethane	7.097	83	115605	48.480	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	140591	52.101	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	269484	99.012	ug/L	100
42) Toluene	7.962	91	363745	55.866	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	129037	51.084	ug/L	100

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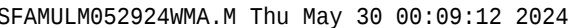
Instrument :
 MSVOA_U
 ClientSampleId :

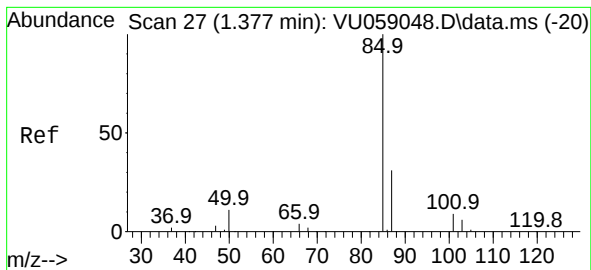
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	90568	47.797	ug/L	100
46) Tetrachloroethene	8.547	164	56628	52.816	ug/L	100
48) 2-Hexanone	8.676	43	224716	99.837	ug/L	100
49) Dibromochloromethane	8.801	129	82050	45.693	ug/L	100
50) 1,2-Dibromoethane	8.917	107	92014	50.319	ug/L	100
51) Chlorobenzene	9.441	112	213204	50.573	ug/L	100
52) Ethylbenzene	9.563	91	376924	53.875	ug/L	100
53) m,p-Xylene	9.688	106	140155	55.477	ug/L	100
54) o-Xylene	10.094	106	135812	54.059	ug/L	100
55) Styrene	10.106	104	235485	53.234	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	161123	47.467	ug/L	100
59) Bromoform	10.283	173	60630	47.393	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	127655	51.117	ug/L	100
61) Isopropylbenzene	10.476	105	353980	55.804	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	254987	52.054	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	287572	57.016	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	158292	49.066	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	161726	49.665	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	167686	50.658	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	34458	51.450	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	106237	47.232	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	84729	44.329	ug/L	100
71) Naphthalene	14.081	128	250834	45.103	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	88180	45.179	ug/L	100

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

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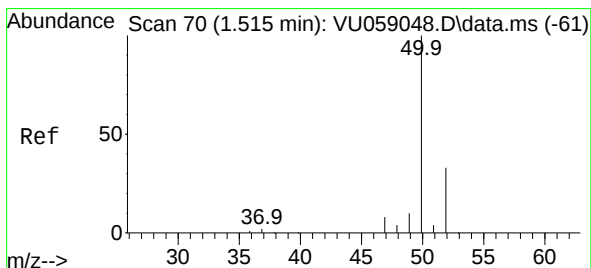
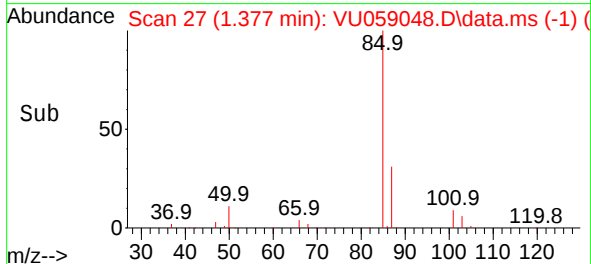
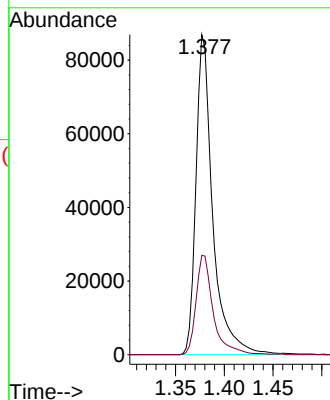
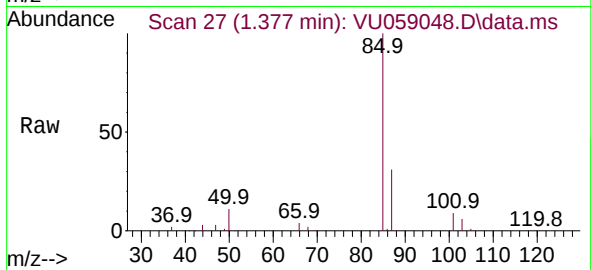




#2
 Dichlorodifluoromethane
 Concen: 69.730 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

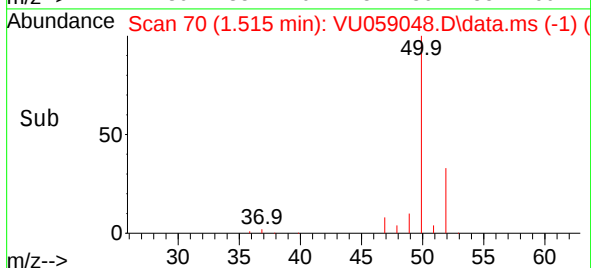
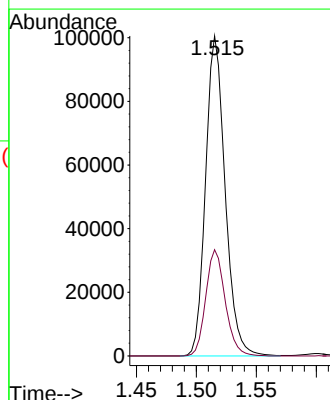
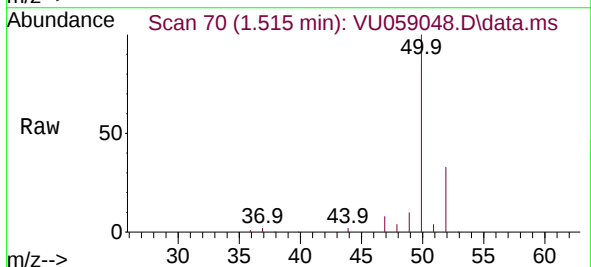
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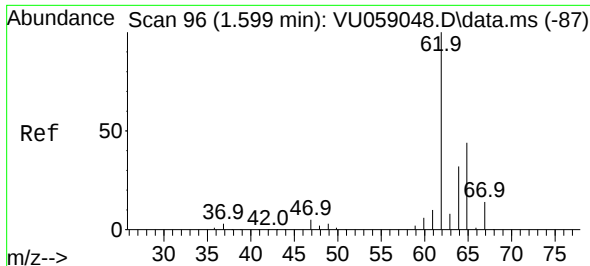
Tgt Ion: 85 Resp: 104183
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.4 38.2



#3
 Chloromethane
 Concen: 70.584 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

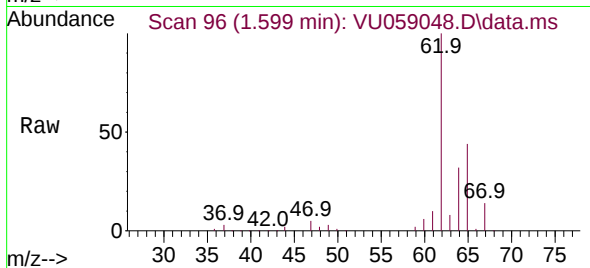
Tgt Ion: 50 Resp: 114357
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.2 43.2



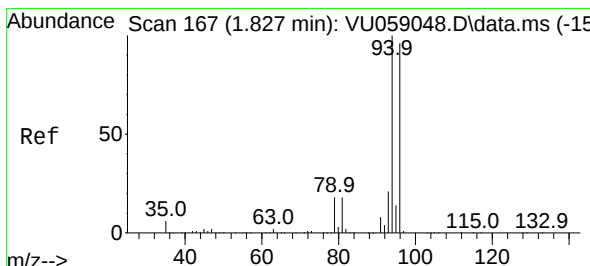
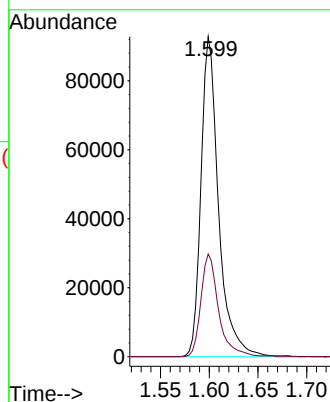
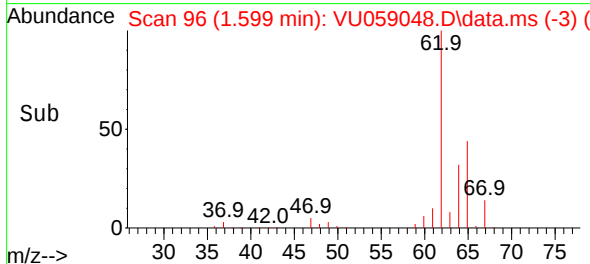


#5
 Vinyl chloride
 Concen: 63.672 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

Instrument :
 MSVOA_U
 ClientSampleId :

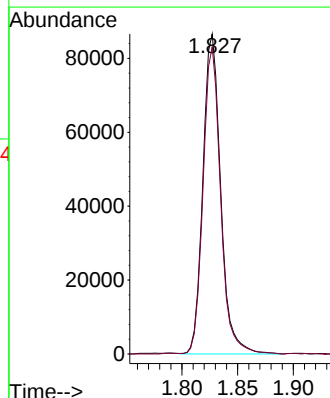
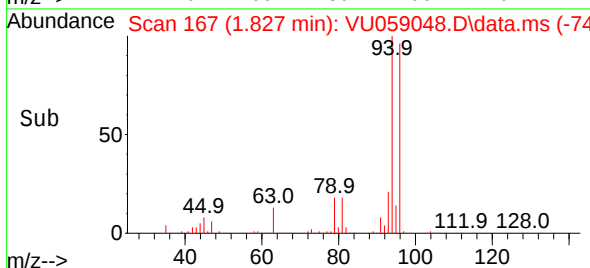
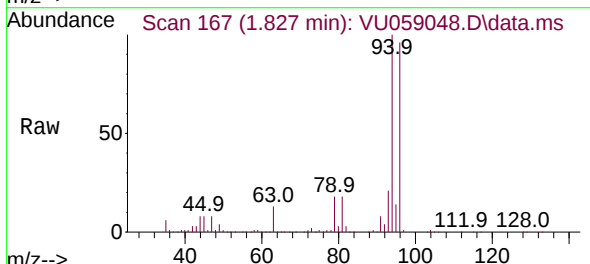


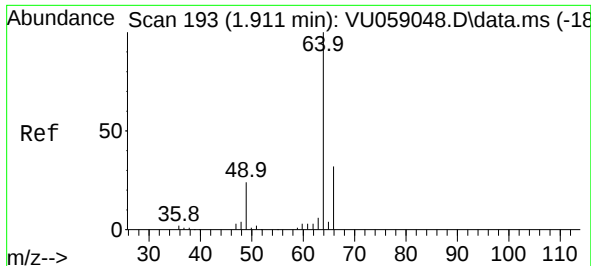
Tgt Ion: 62 Resp: 116203
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.5 41.7



#6
 Bromomethane
 Concen: 80.526 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

Tgt Ion: 94 Resp: 96481
 Ion Ratio Lower Upper
 94 100
 96 95.9 67.1 124.7

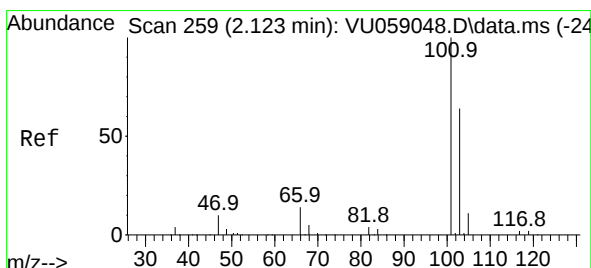
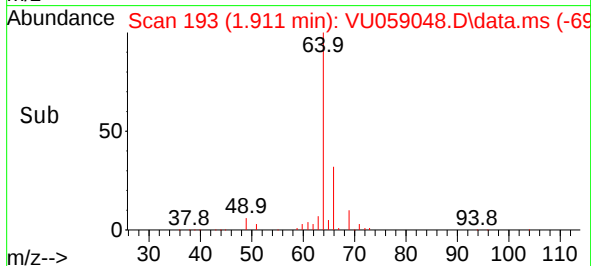
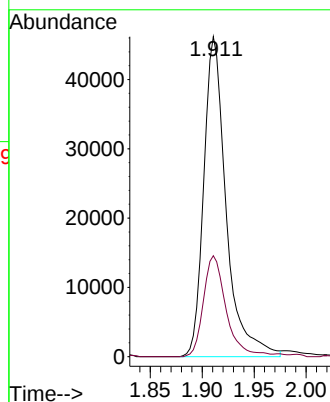
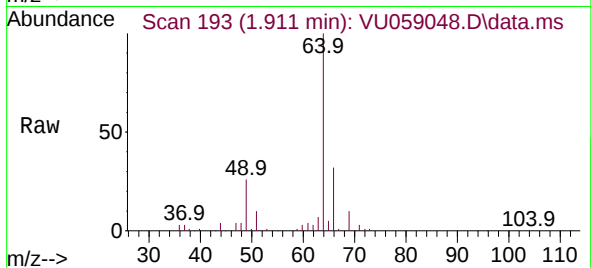




#8
Chloroethane
Concen: 57.219 ug/L
RT: 1.911 min Scan# 193
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

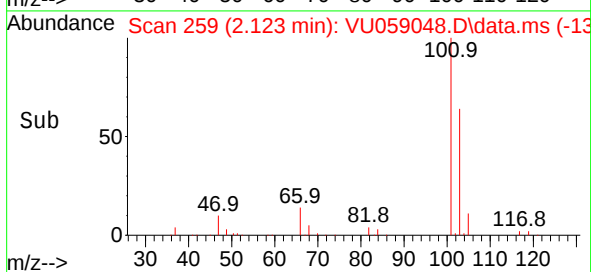
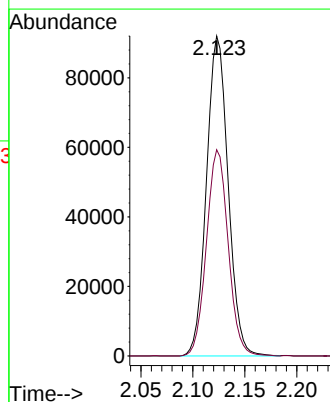
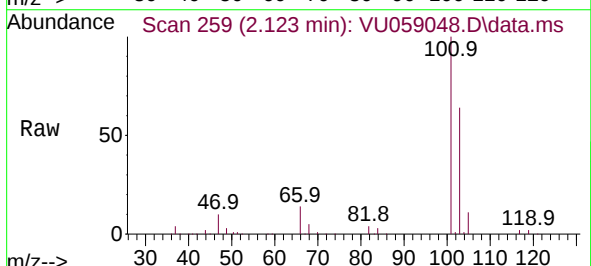
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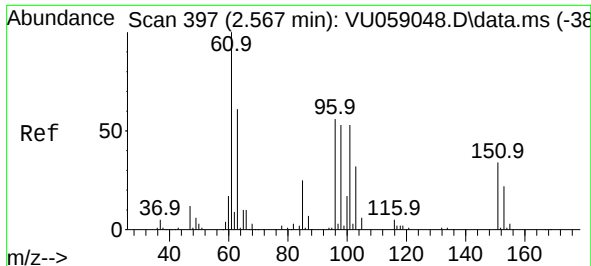
Tgt Ion: 64 Resp: 69198
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 56.180 ug/L
RT: 2.123 min Scan# 259
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:101 Resp: 133287
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

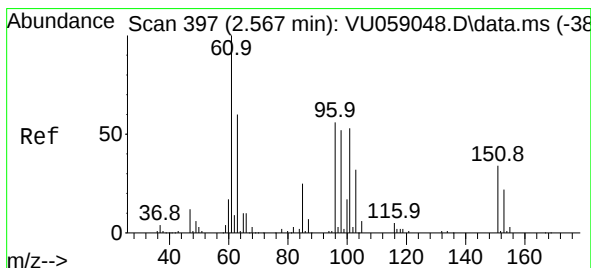
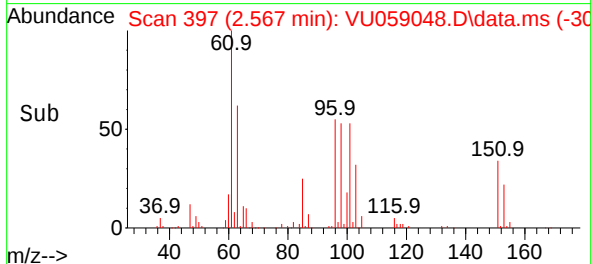
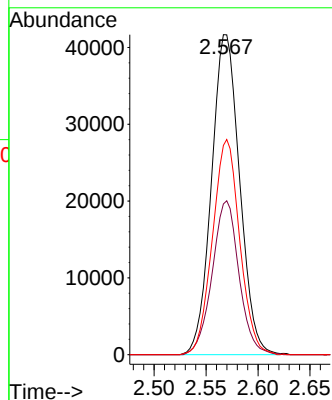
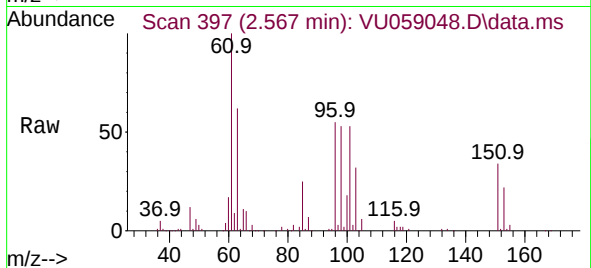




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.201 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

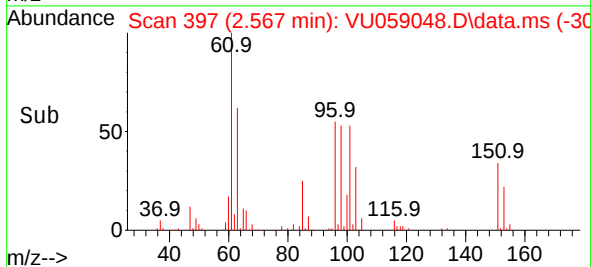
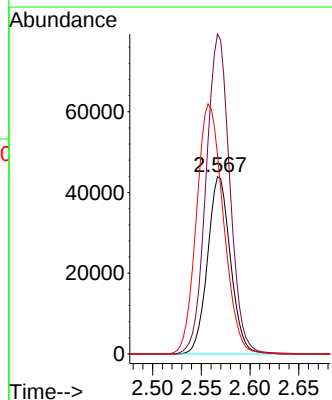
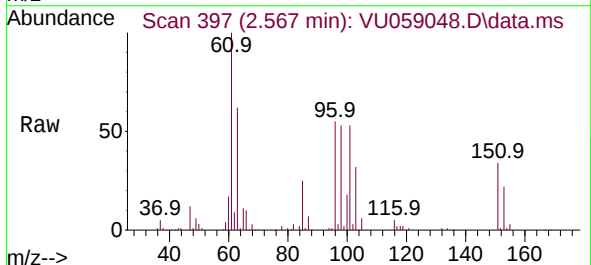
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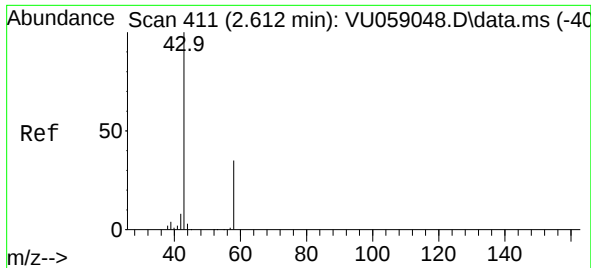
Tgt Ion:101 Resp: 78533
Ion Ratio Lower Upper
101 100
85 45.9 36.7 55.1
151 65.2 52.2 78.2



#12
1,1-Dichloroethene
Concen: 55.692 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion: 96 Resp: 71834
Ion Ratio Lower Upper
96 100
61 180.5 126.3 234.6
63 112.4 78.7 146.1





#13

Acetone

Concen: 99.945 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

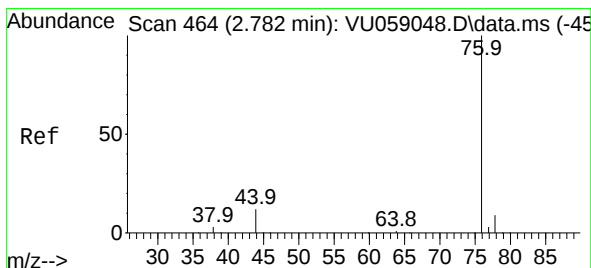
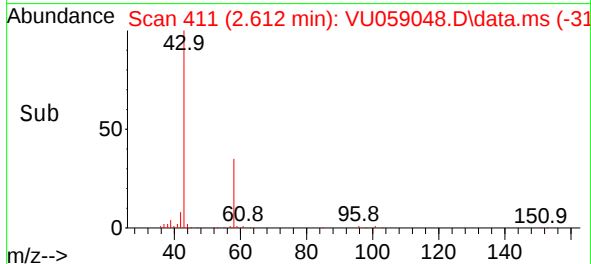
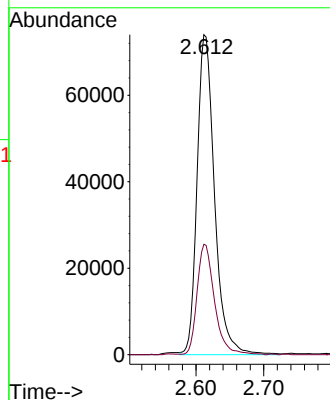
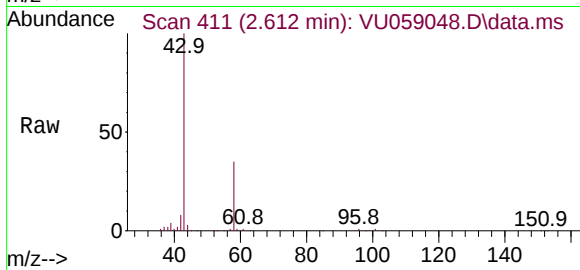
ClientSampleId :

Tgt Ion: 43 Resp: 132391

Ion Ratio Lower Upper

43 100

58 34.4 0.0 68.8



#14

Carbon disulfide

Concen: 82.430 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU059048.D

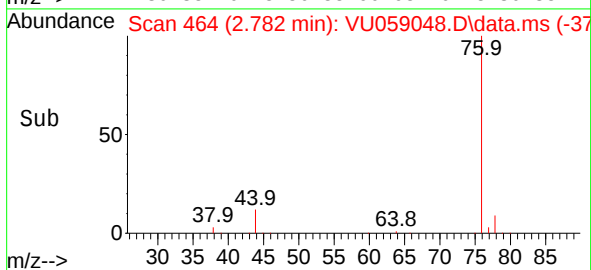
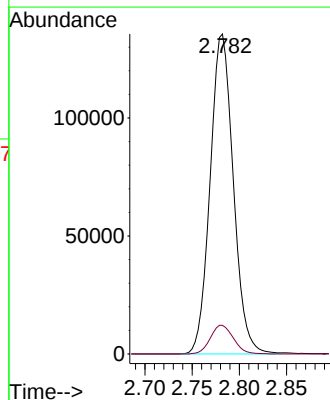
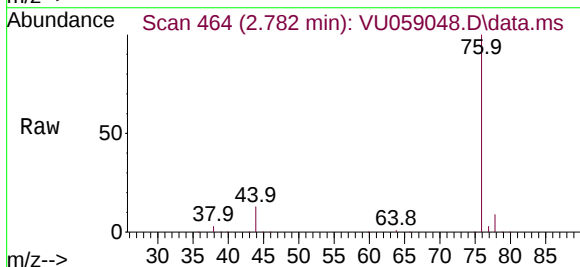
Acq: 29 May 2024 13:02

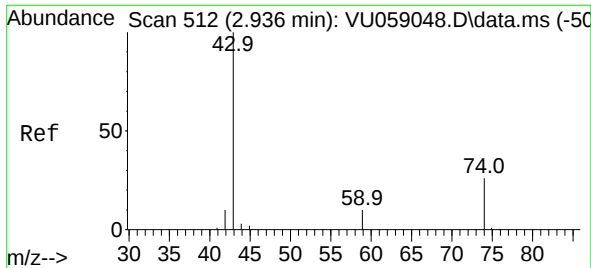
Tgt Ion: 76 Resp: 231501

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 49.987 ug/L

RT: 2.936 min Scan# 512

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

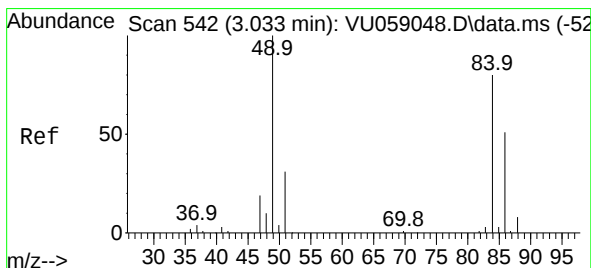
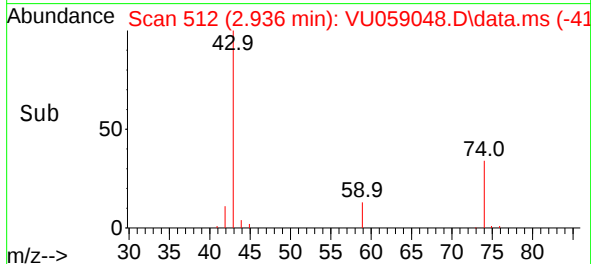
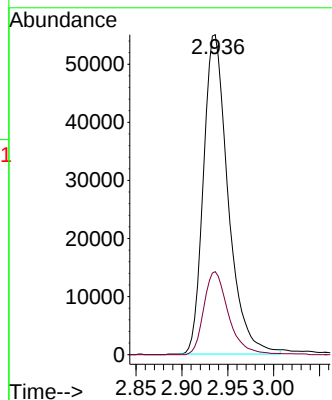
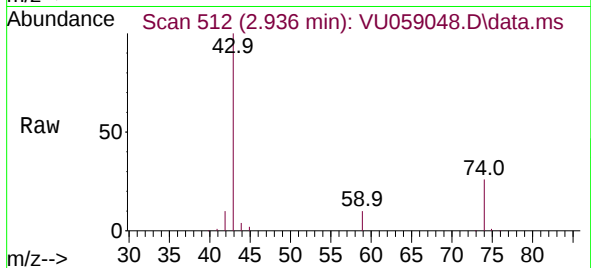
ClientSampleId :

Tgt Ion: 43 Resp: 102917

Ion Ratio Lower Upper

43 100

74 26.0 20.8 31.2



#16

Methylene chloride

Concen: 45.574 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

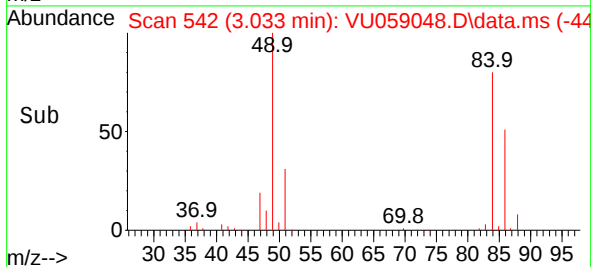
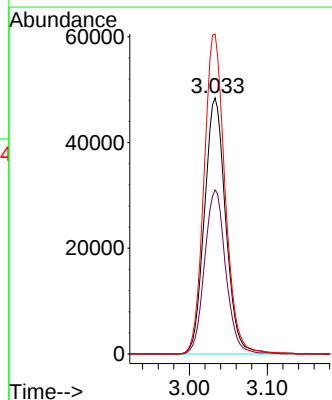
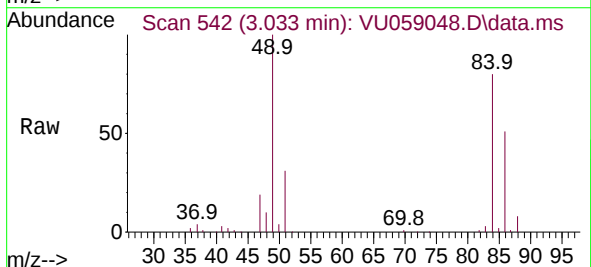
Tgt Ion: 84 Resp: 91849

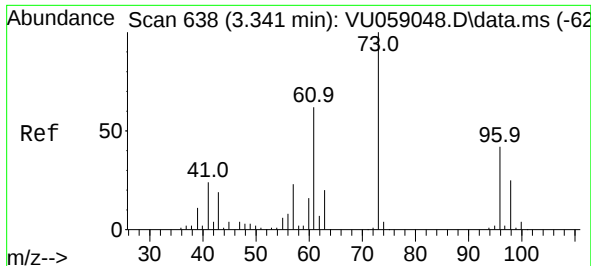
Ion Ratio Lower Upper

84 100

86 64.1 44.9 83.3

49 125.0 87.5 162.5

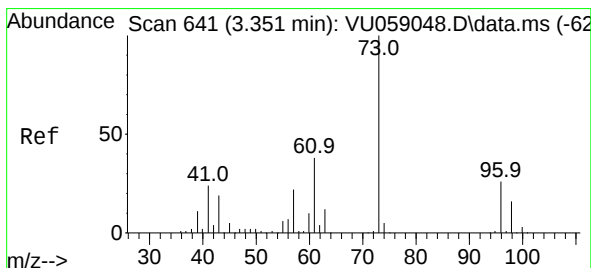
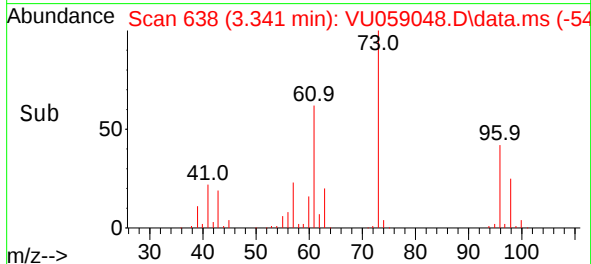
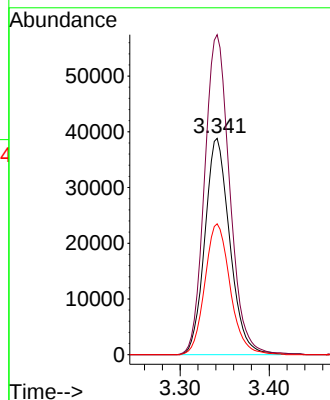
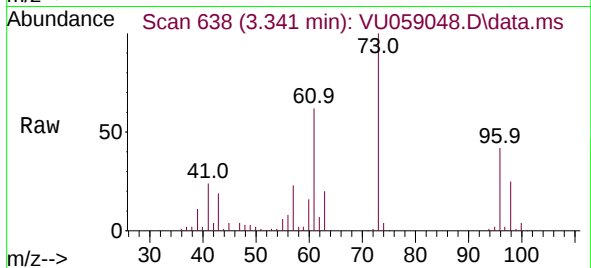




#17
trans-1,2-Dichloroethene
Concen: 57.763 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

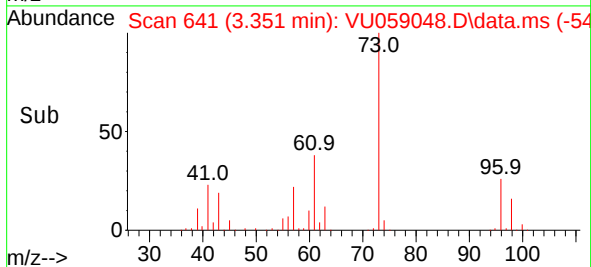
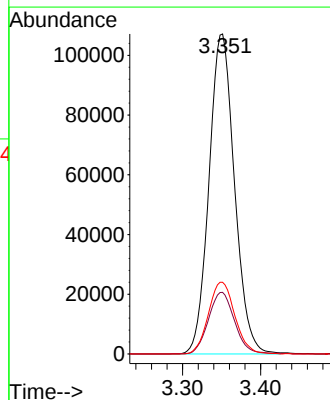
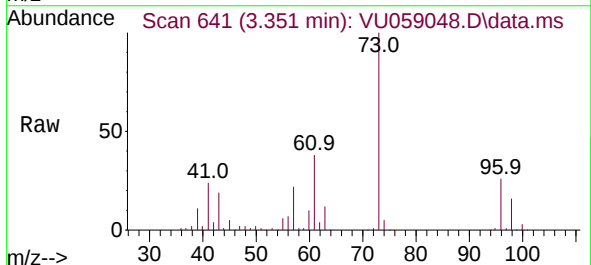
Instrument :
MSVOA_U
ClientSampleId :

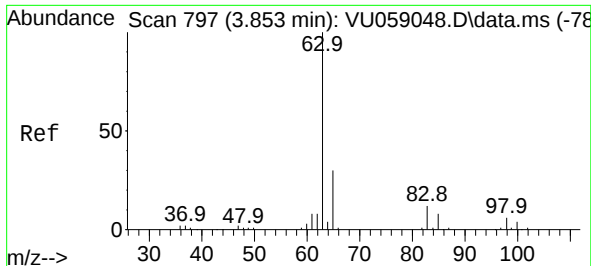
Tgt Ion: 96 Resp: 75614
Ion Ratio Lower Upper
96 100
61 147.9 103.5 192.3
98 60.5 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 49.222 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

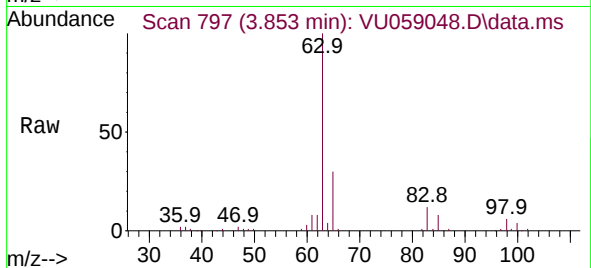
Tgt Ion: 73 Resp: 243658
Ion Ratio Lower Upper
73 100
43 19.5 15.6 23.4
57 23.3 18.6 28.0



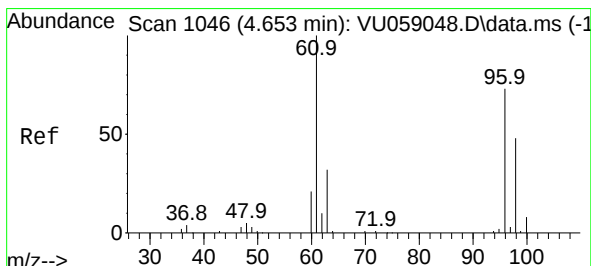
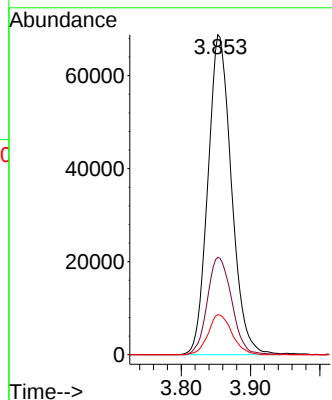
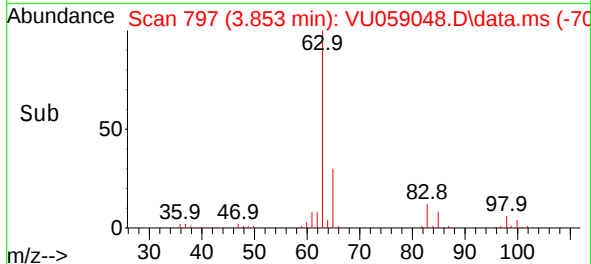


#19
1,1-Dichloroethane
Concen: 50.619 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Instrument :
MSVOA_U
ClientSampleId :

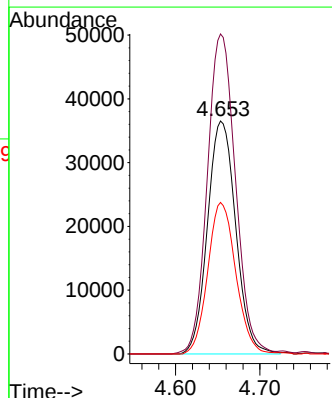
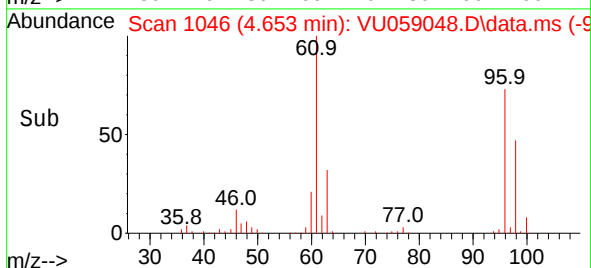
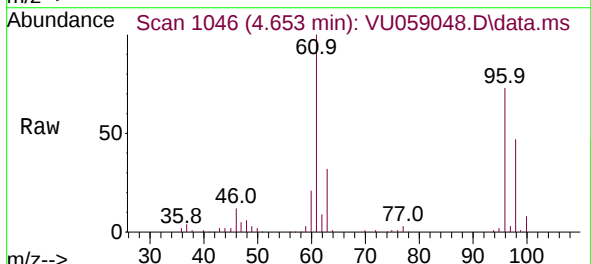


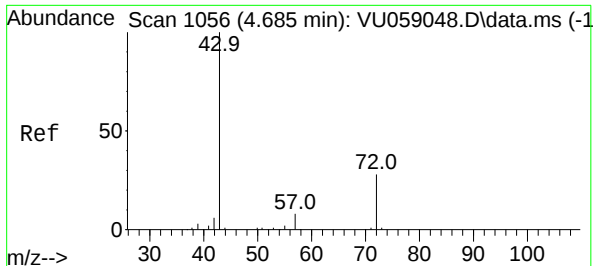
Tgt Ion: 63 Resp: 162395
Ion Ratio Lower Upper
63 100
65 30.4 21.3 39.5
83 12.5 8.8 16.3



#20
cis-1,2-Dichloroethene
Concen: 51.052 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion: 96 Resp: 85153
Ion Ratio Lower Upper
96 100
61 137.4 96.2 178.6
98 65.1 45.6 84.6

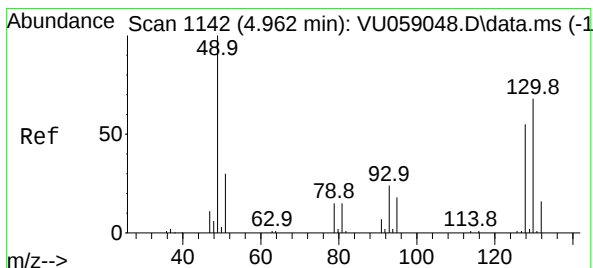
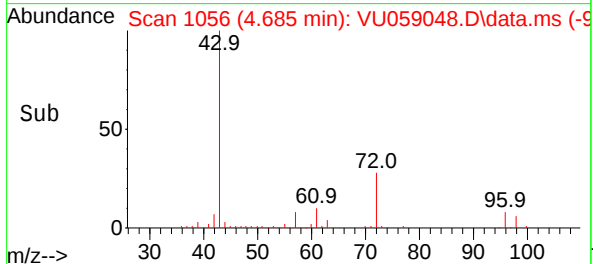
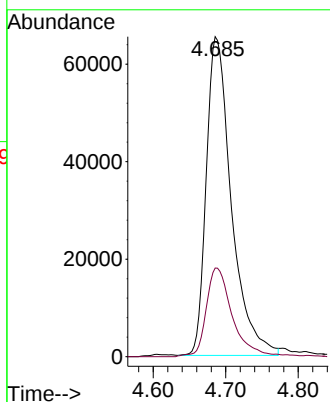
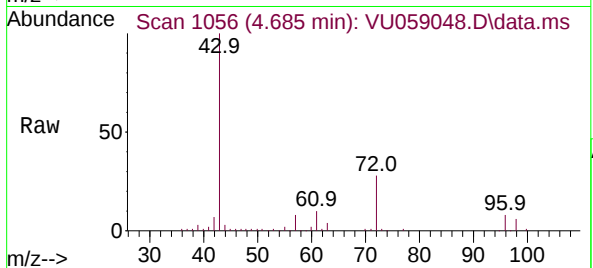




#22
2-Butanone
Concen: 94.342 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

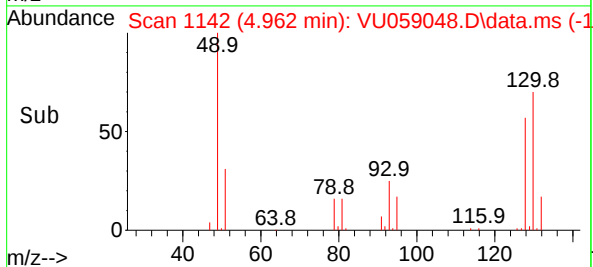
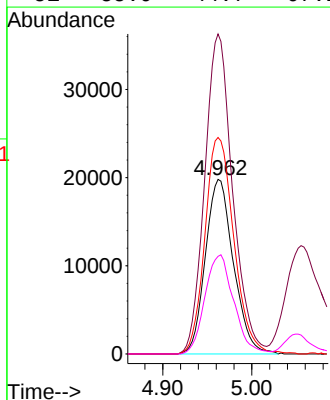
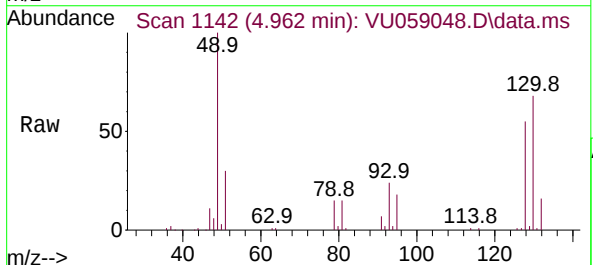
Instrument :
MSVOA_U
ClientSampleId :

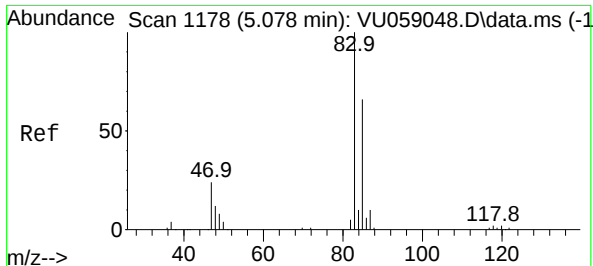
Tgt Ion: 43 Resp: 157360
Ion Ratio Lower Upper
43 100
72 28.5 14.2 42.8



#23
Bromochloromethane
Concen: 50.030 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:128 Resp: 43360
Ion Ratio Lower Upper
128 100
49 183.4 128.4 238.4
130 124.1 86.9 161.3
51 55.9 44.7 67.1





#25

Chloroform

Concen: 47.232 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

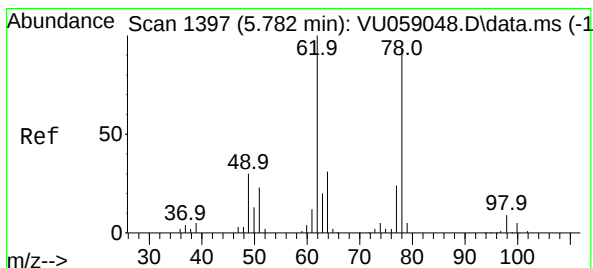
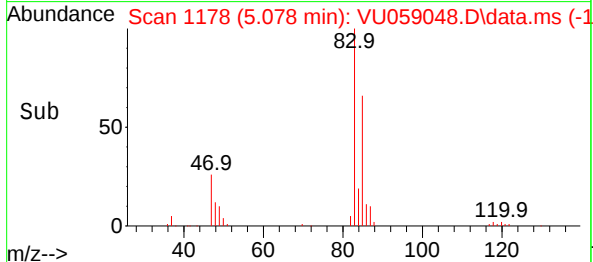
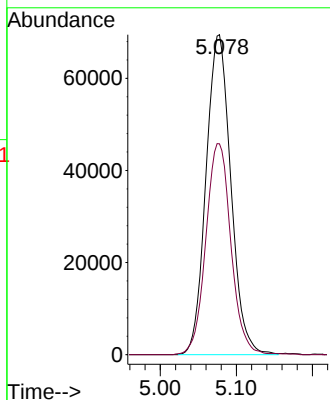
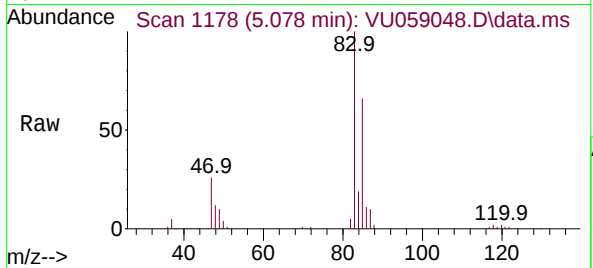
ClientSampleId :

Tgt Ion: 83 Resp: 157666

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 51.844 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU059048.D

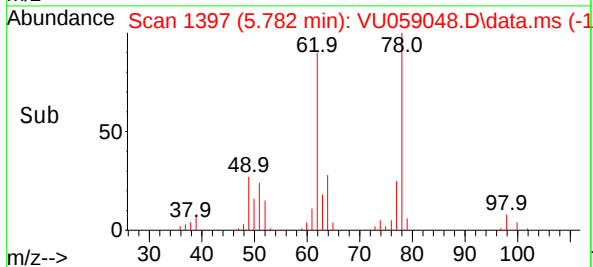
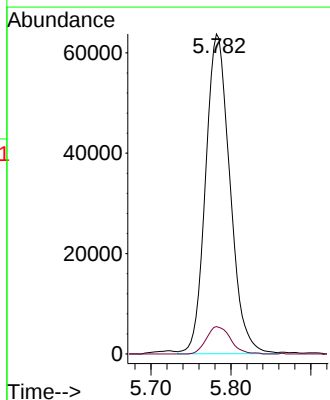
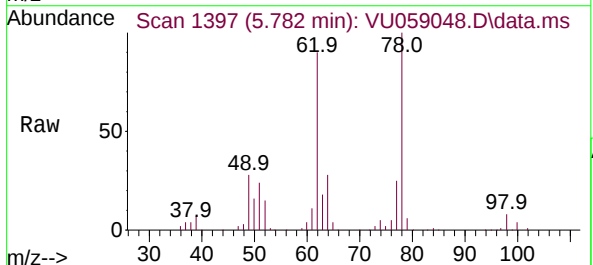
Acq: 29 May 2024 13:02

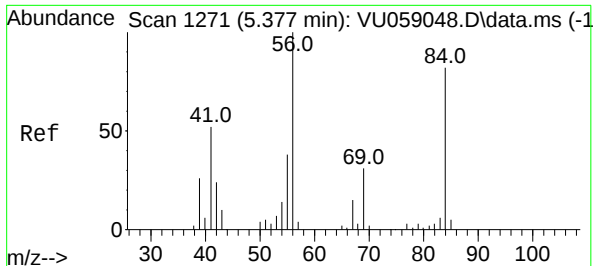
Tgt Ion: 62 Resp: 134971

Ion Ratio Lower Upper

62 100

98 8.6 6.9 10.3

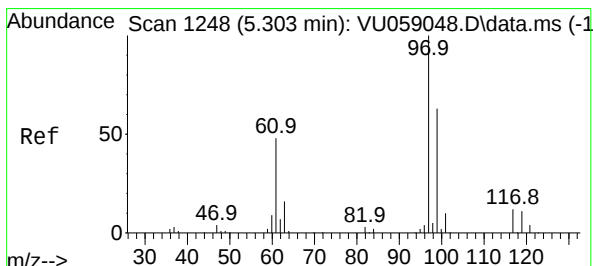
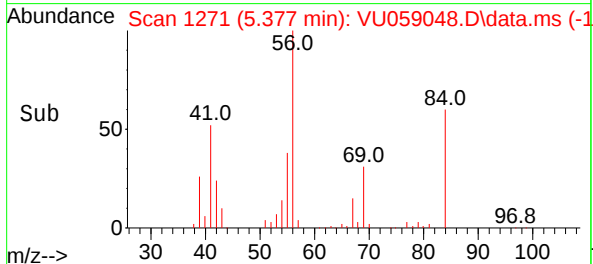
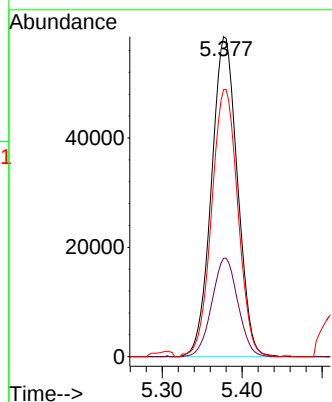
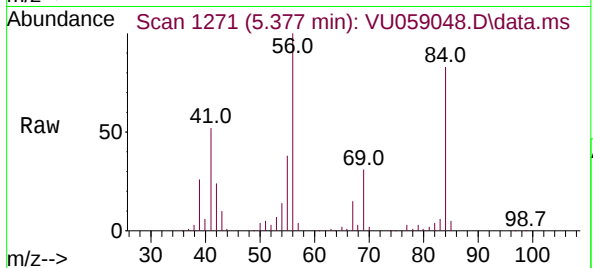




#29
Cyclohexane
Concen: 70.693 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

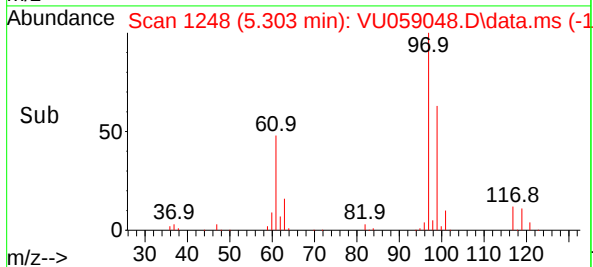
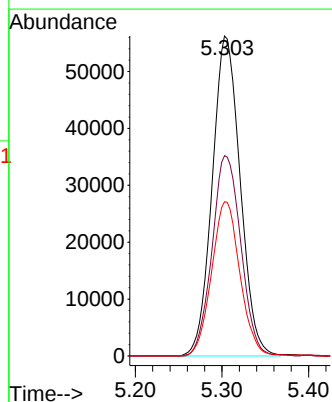
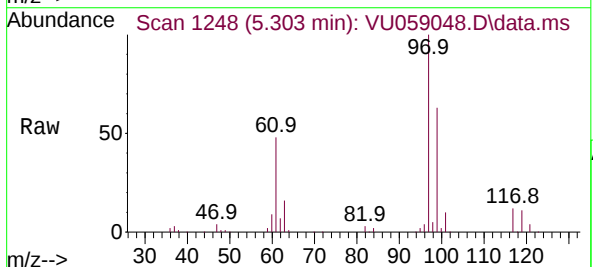
Instrument :
MSVOA_U
ClientSampleId :

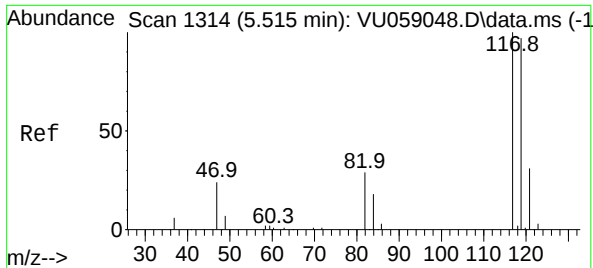
Tgt Ion: 56 Resp: 132006
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 84.2 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 52.478 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion: 97 Resp: 126158
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 48.9 39.1 58.7

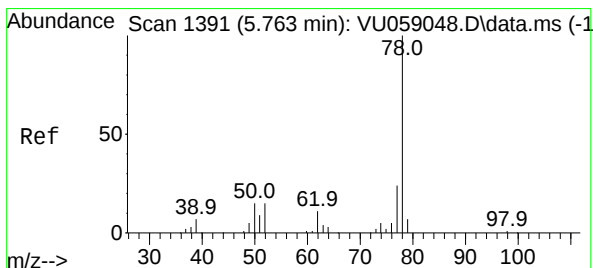
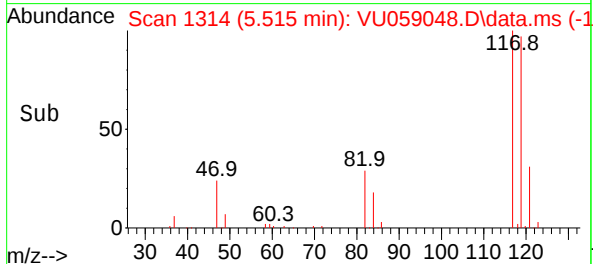
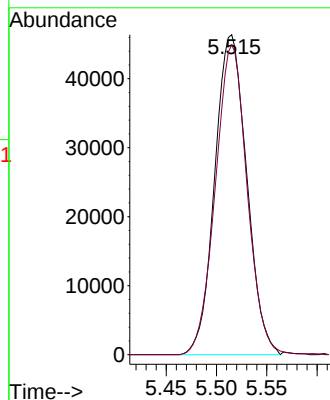
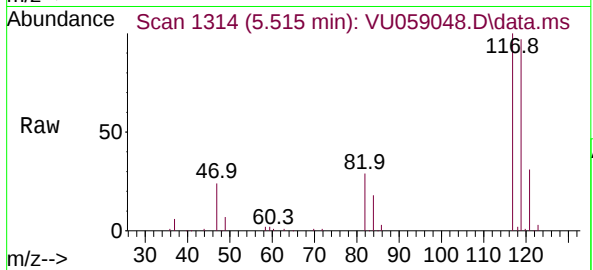




#31
Carbon tetrachloride
Concen: 52.573 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

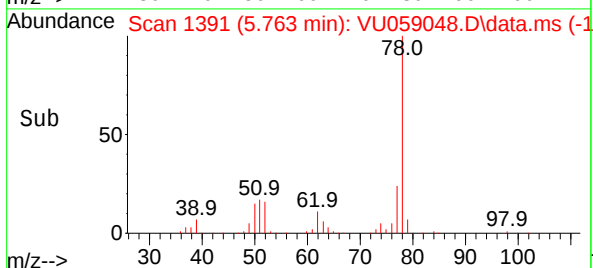
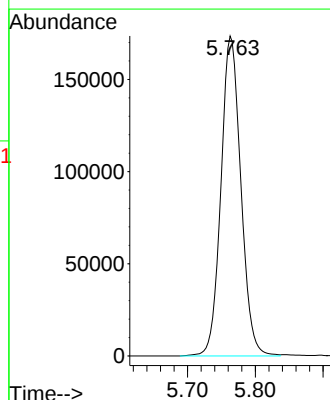
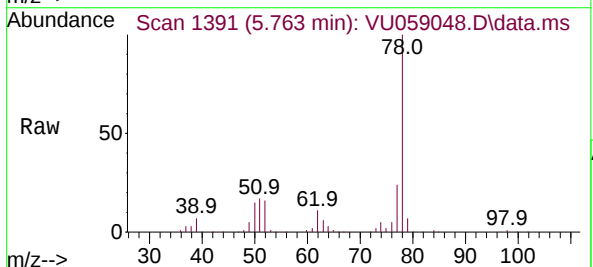
Instrument :
MSVOA_U
ClientSampleId :

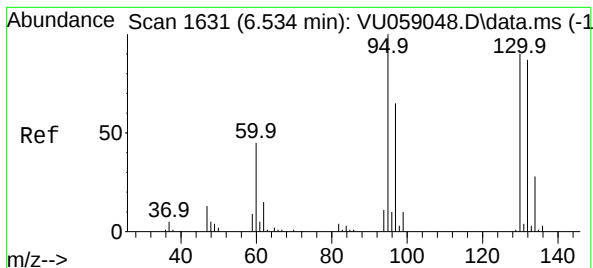
Tgt Ion:117 Resp: 102419
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 57.217 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion: 78 Resp: 354397





#34

Trichloroethene

Concen: 53.948 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 86915

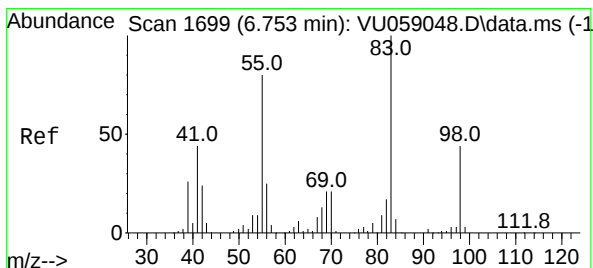
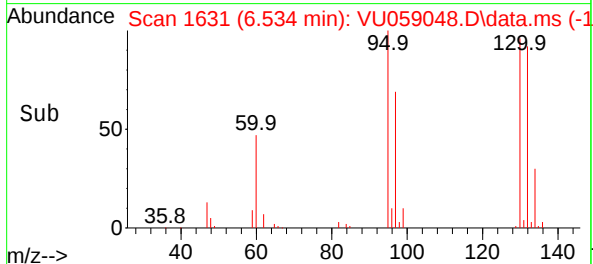
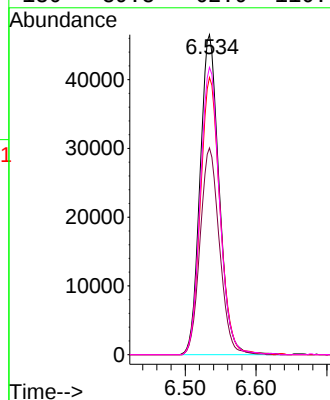
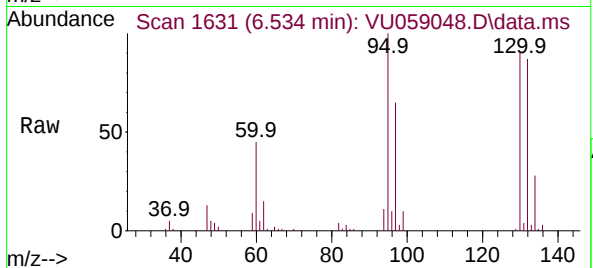
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 86.6 60.6 112.6

130 89.8 62.9 116.7



#35

Methylcyclohexane

Concen: 65.308 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

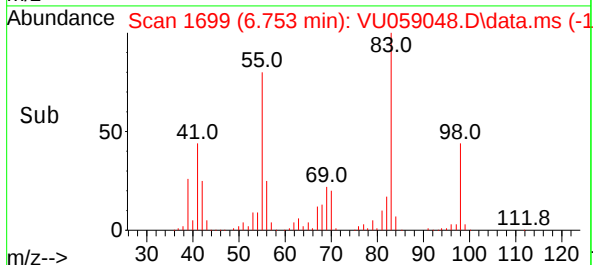
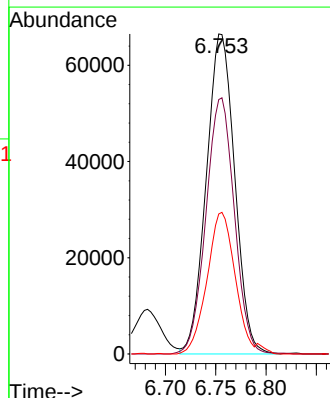
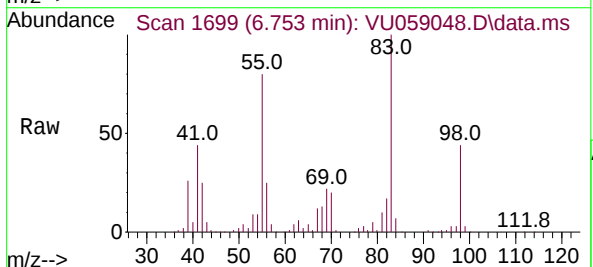
Tgt Ion: 83 Resp: 130916

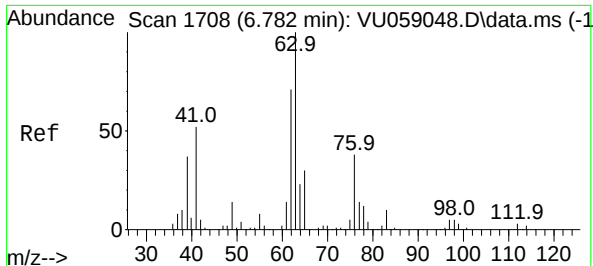
Ion Ratio Lower Upper

83 100

55 79.9 63.9 95.9

98 43.4 34.7 52.1

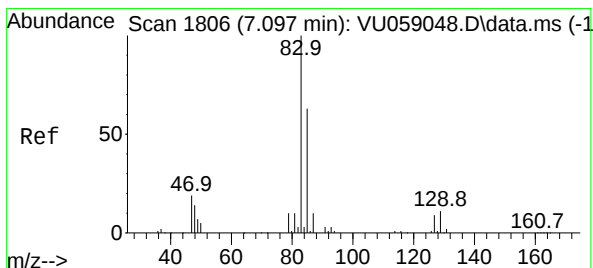
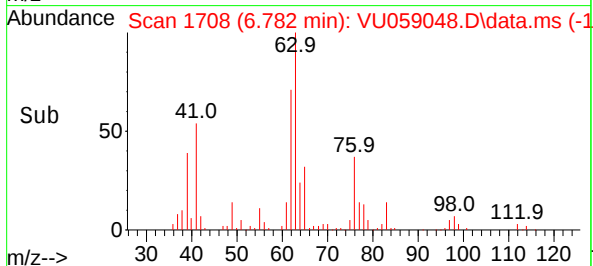
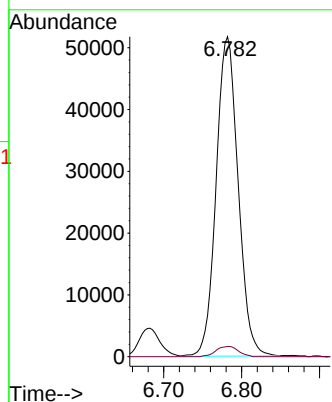
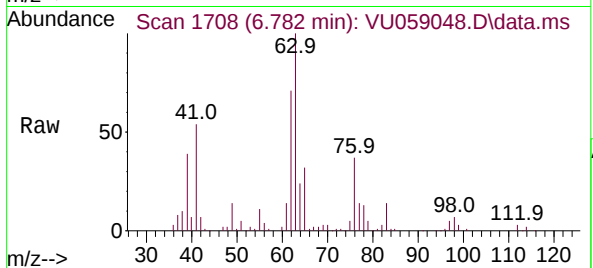




#37
1,2-Dichloropropane
Concen: 51.580 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

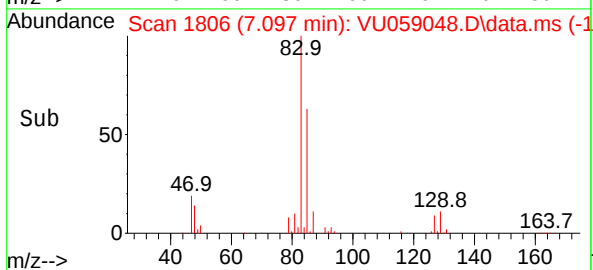
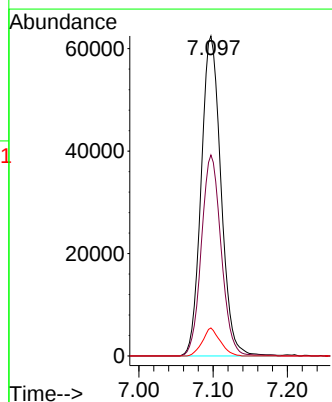
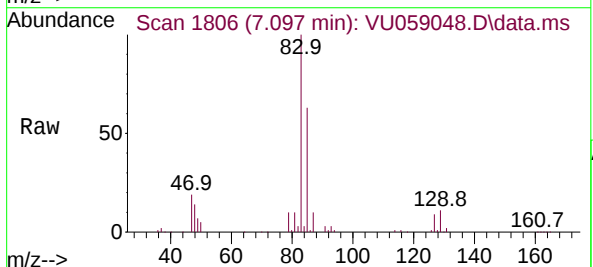
Instrument :
MSVOA_U
ClientSampleId :

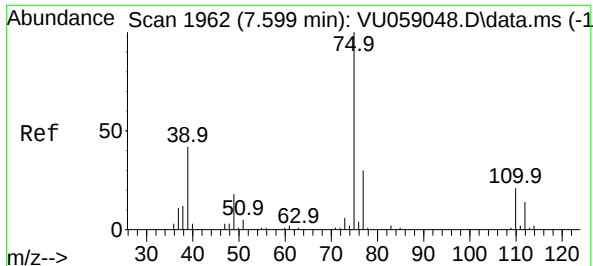
Tgt Ion: 63 Resp: 101204
Ion Ratio Lower Upper
63 100
112 3.3 2.6 4.0



#38
Bromodichloromethane
Concen: 48.480 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion: 83 Resp: 115605
Ion Ratio Lower Upper
83 100
85 62.8 44.0 81.6
127 8.8 7.0 10.6

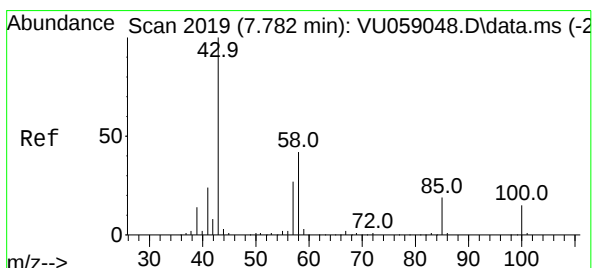
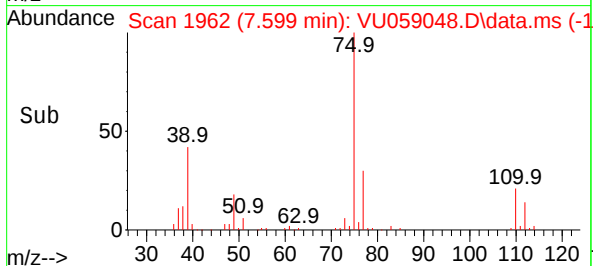
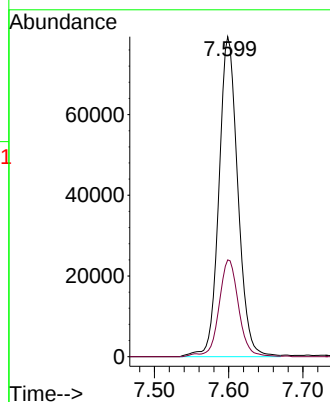
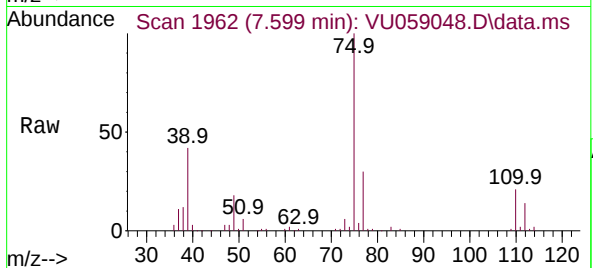




#39
 cis-1,3-Dichloropropene
 Concen: 52.101 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

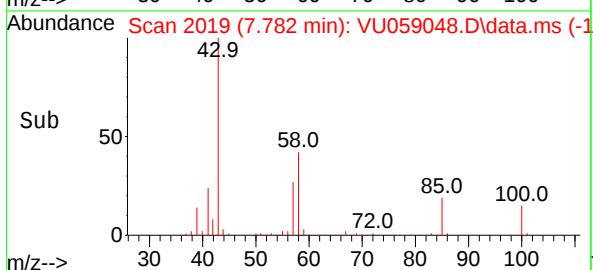
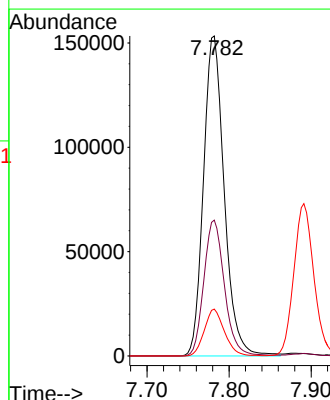
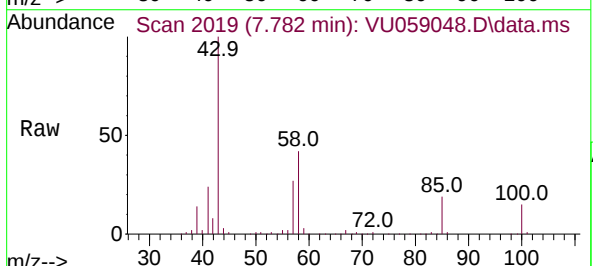
Instrument :
 MSVOA_U
 ClientSampleId :

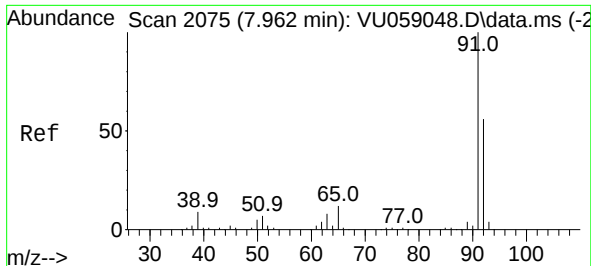
Tgt Ion: 75 Resp: 140591
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 99.012 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

Tgt Ion: 43 Resp: 269484
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.7 50.5
 100 14.2 11.4 17.0





#42

Toluene

Concen: 55.866 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

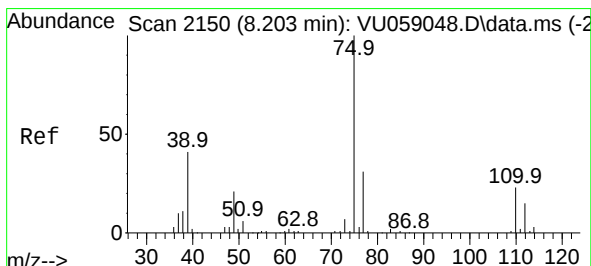
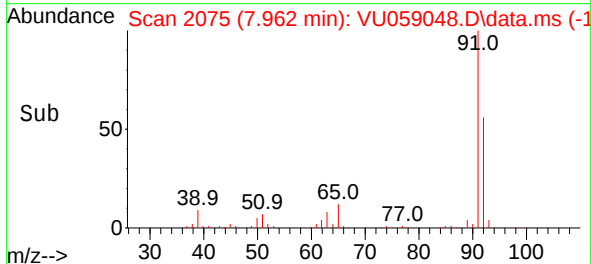
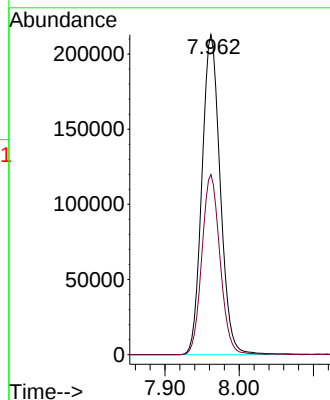
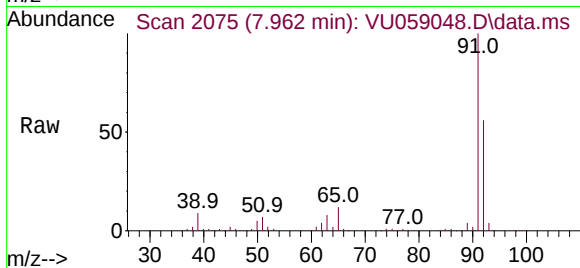
ClientSampleId :

Tgt Ion: 91 Resp: 363745

Ion Ratio Lower Upper

91 100

92 56.3 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 51.084 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059048.D

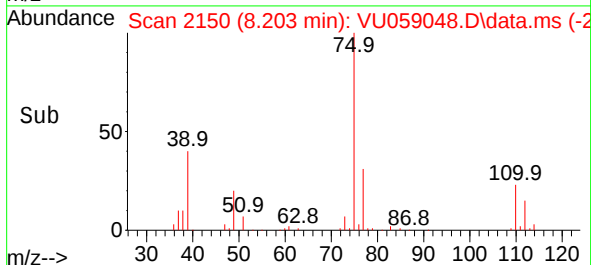
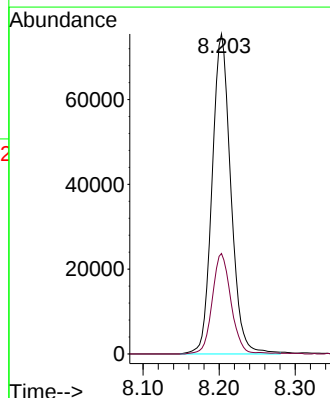
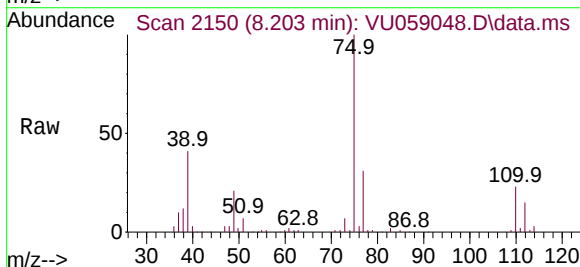
Acq: 29 May 2024 13:02

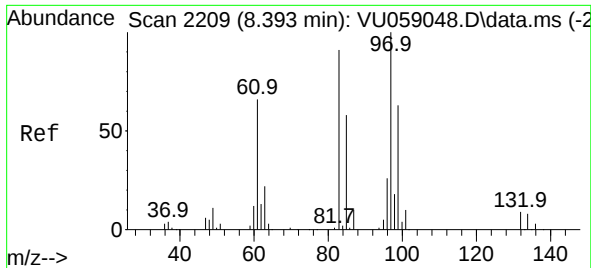
Tgt Ion: 75 Resp: 129037

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

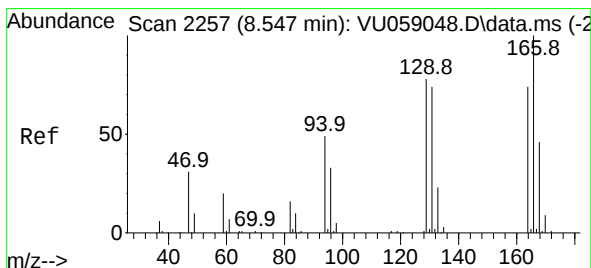
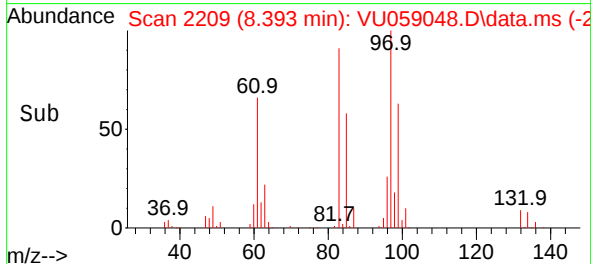
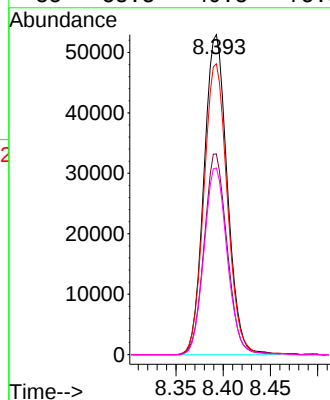
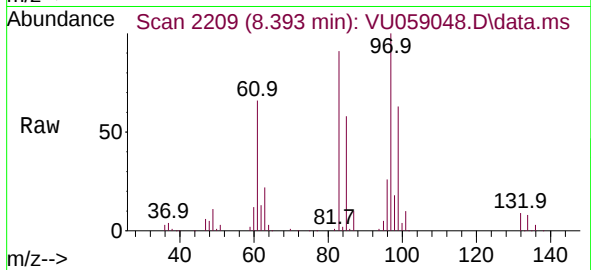




#45
1,1,2-Trichloroethane
Concen: 47.797 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

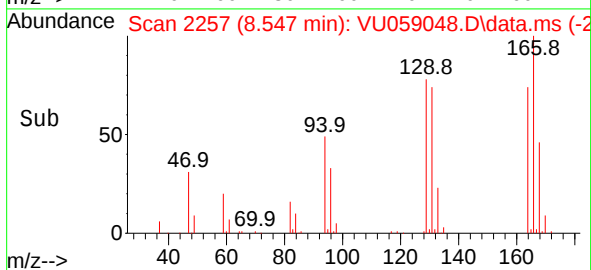
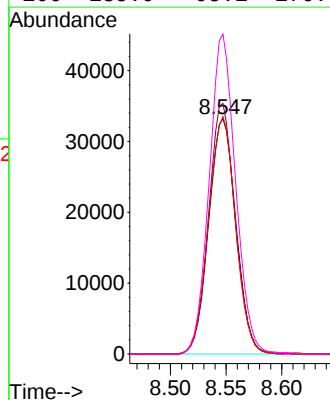
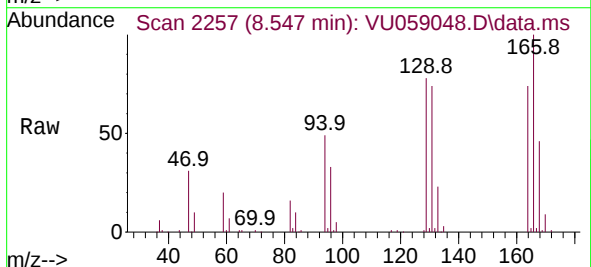
Instrument :
MSVOA_U
ClientSampleId :

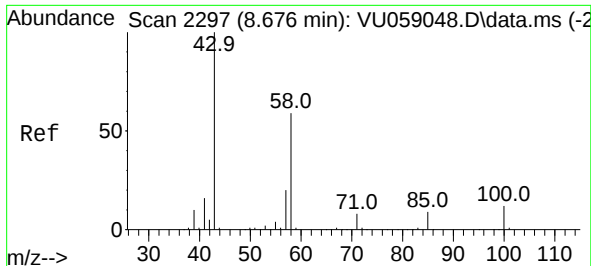
Tgt Ion:	97	Resp:	90568
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	90.9	63.6	118.2
85	58.3	40.8	75.8



#46
Tetrachloroethene
Concen: 52.816 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:	164	Resp:	56628
Ion	Ratio	Lower	Upper
164	100		
129	106.5	74.5	138.5
131	100.8	70.6	131.0
166	135.9	95.1	176.7





#48

2-Hexanone

Concen: 99.837 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 224716

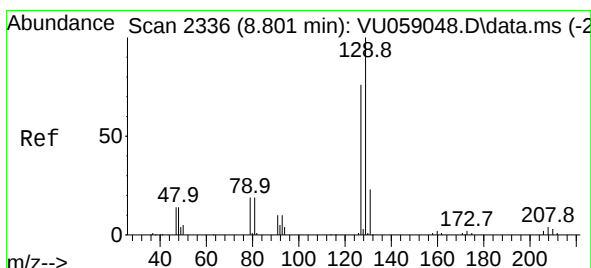
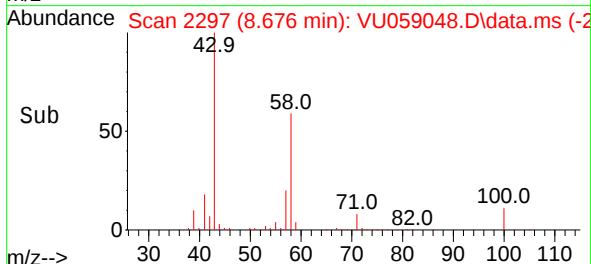
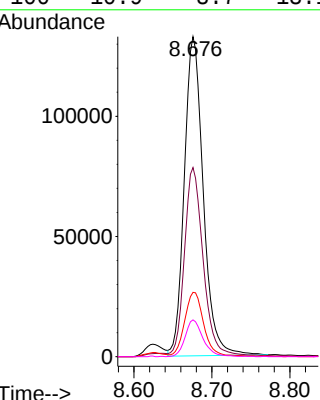
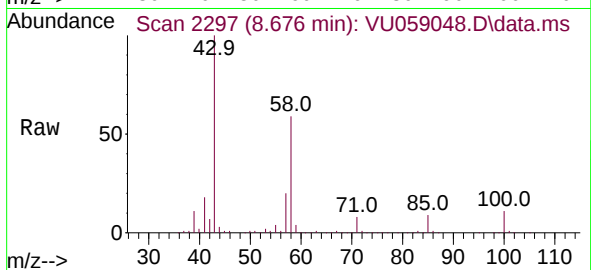
Ion Ratio Lower Upper

43 100

58 57.4 45.9 68.9

57 20.4 16.3 24.5

100 10.9 8.7 13.1



#49

Dibromochloromethane

Concen: 45.693 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU059048.D

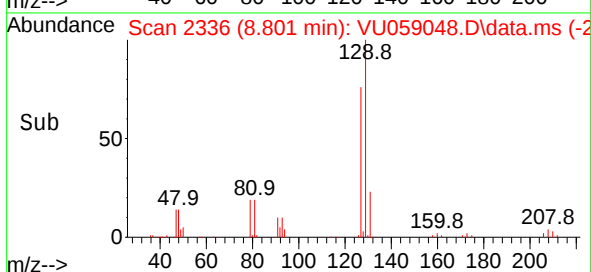
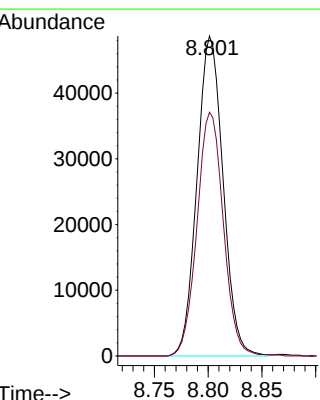
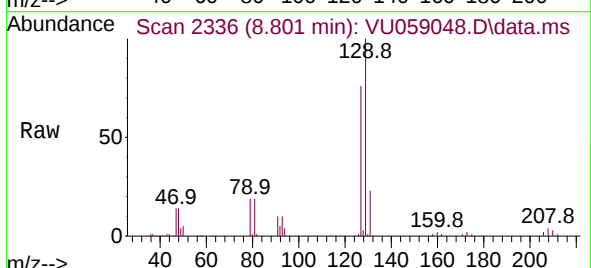
Acq: 29 May 2024 13:02

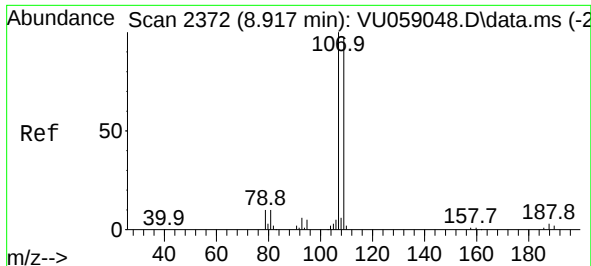
Tgt Ion: 129 Resp: 82050

Ion Ratio Lower Upper

129 100

127 76.1 53.3 98.9

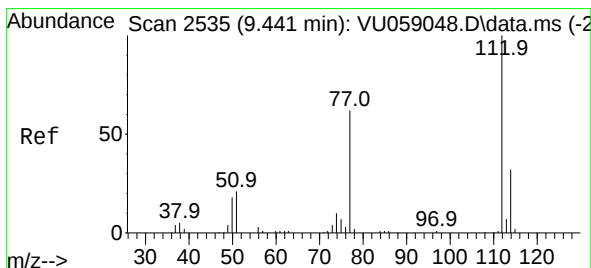
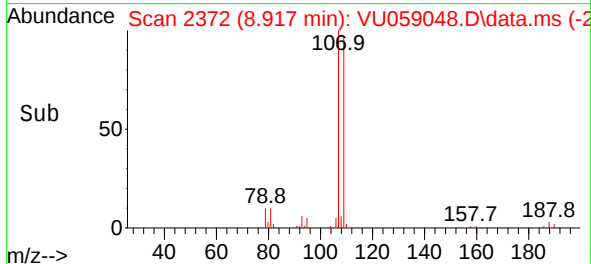
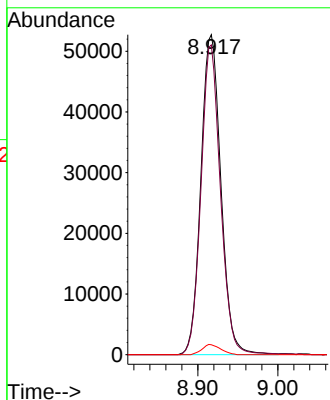
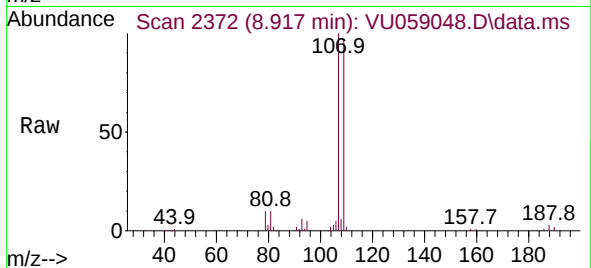




#50
1,2-Dibromoethane
Concen: 50.319 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

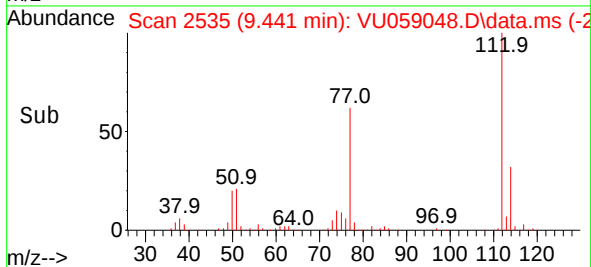
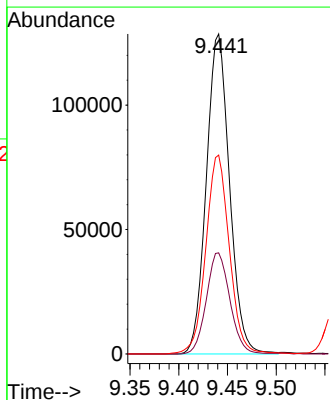
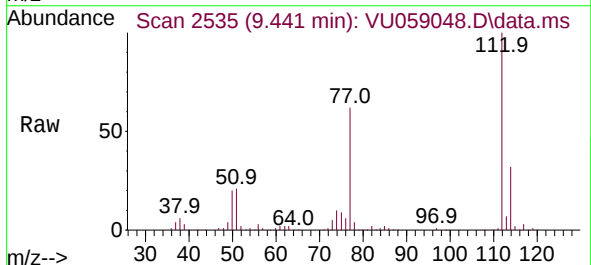
Instrument :
MSVOA_U
ClientSampleId :

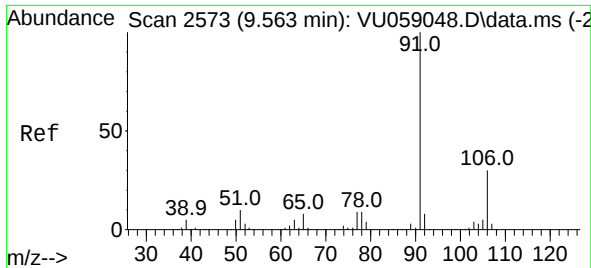
Tgt Ion:107 Resp: 92014
Ion Ratio Lower Upper
107 100
109 96.8 67.8 125.8
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 50.573 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:112 Resp: 213204
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 62.2 49.8 74.6

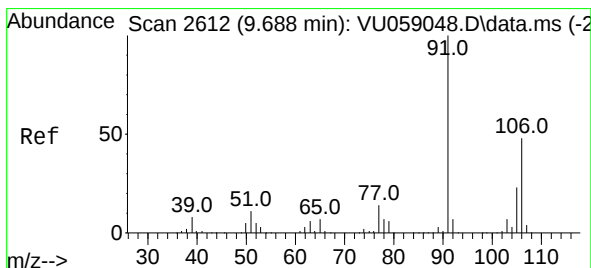
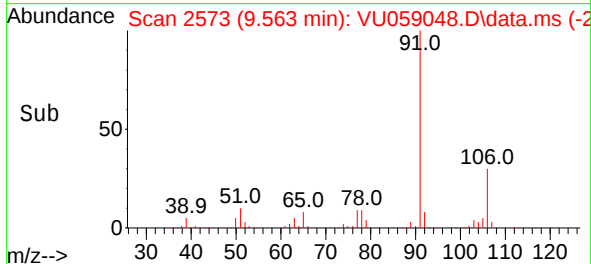
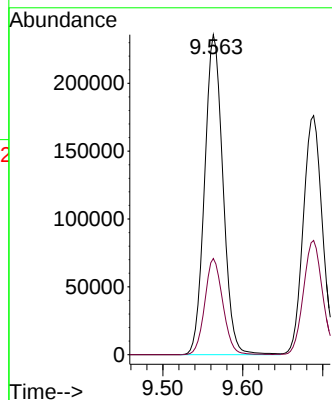
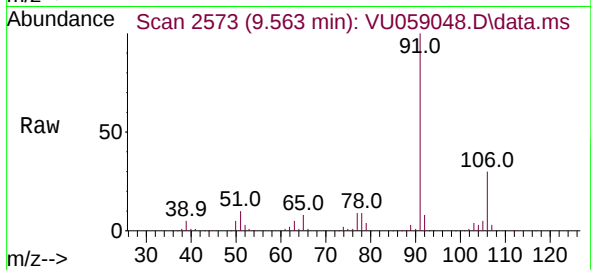




#52
Ethylbenzene
Concen: 53.875 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

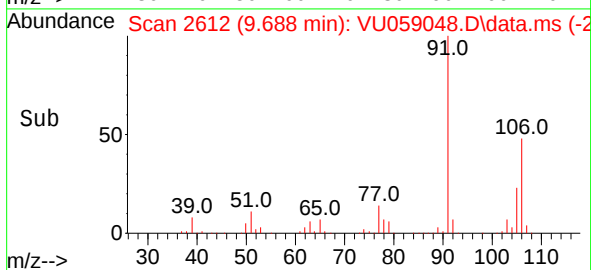
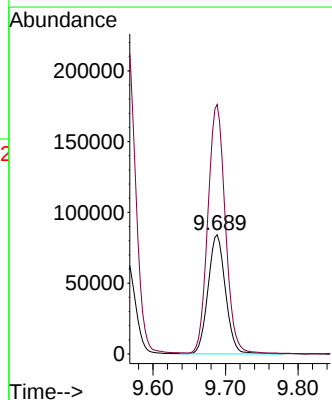
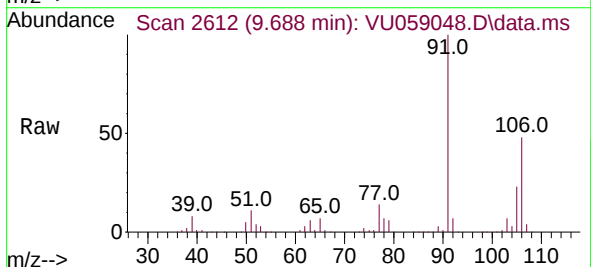
Instrument :
MSVOA_U
ClientSampleId :

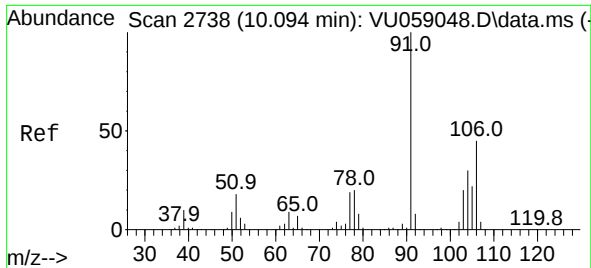
Tgt Ion: 91 Resp: 376924
Ion Ratio Lower Upper
91 100
106 30.0 21.0 39.0



#53
m,p-Xylene
Concen: 55.477 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:106 Resp: 140155
Ion Ratio Lower Upper
106 100
91 209.2 146.4 272.0

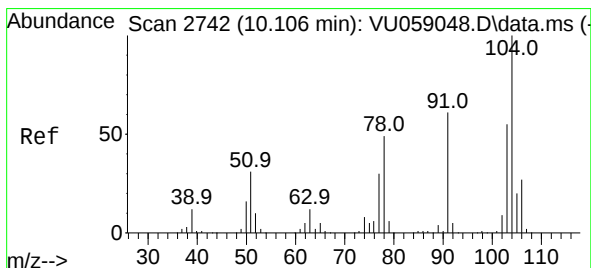
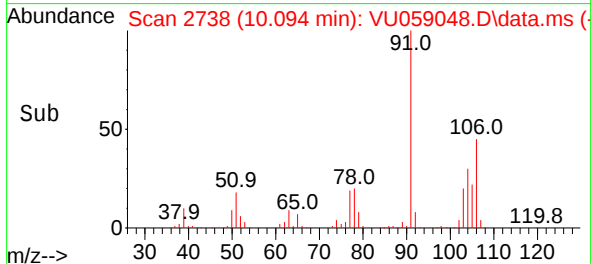
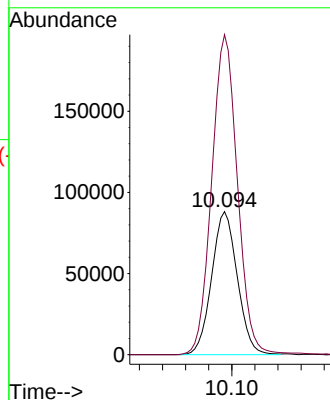
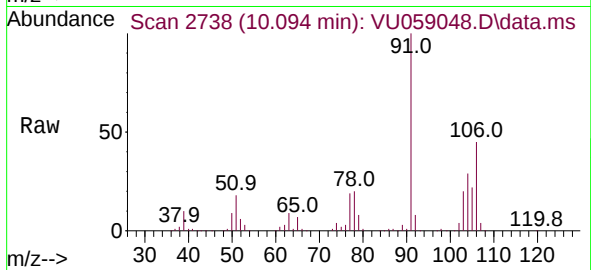




#54
o-Xylene
Concen: 54.059 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

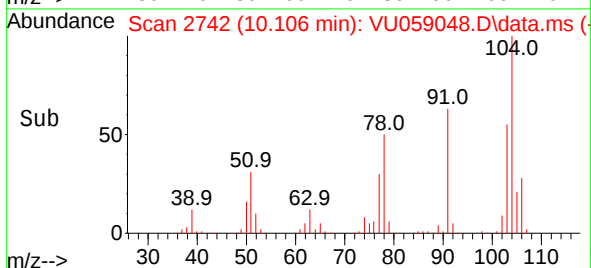
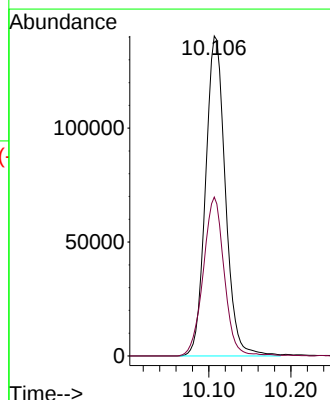
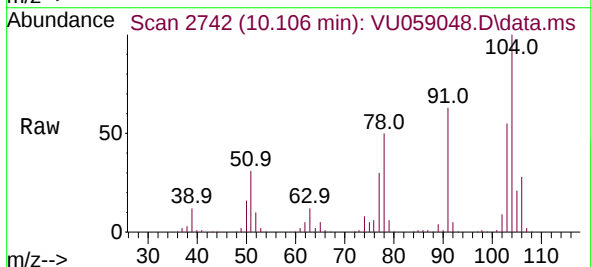
Instrument :
MSVOA_U
ClientSampleId :

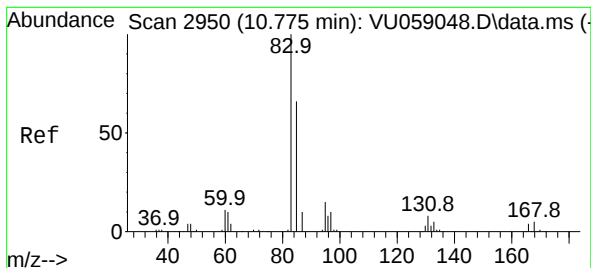
Tgt Ion:106 Resp: 135812
Ion Ratio Lower Upper
106 100
91 223.8 156.7 290.9



#55
Styrene
Concen: 53.234 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:104 Resp: 235485
Ion Ratio Lower Upper
104 100
78 49.6 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 47.467 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

ClientSampleId :

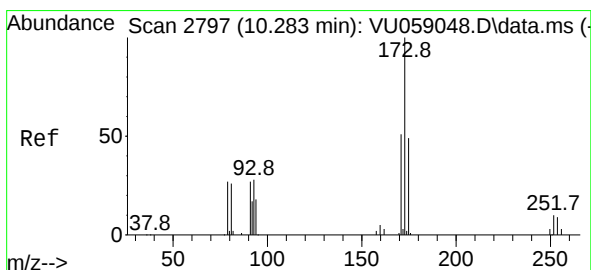
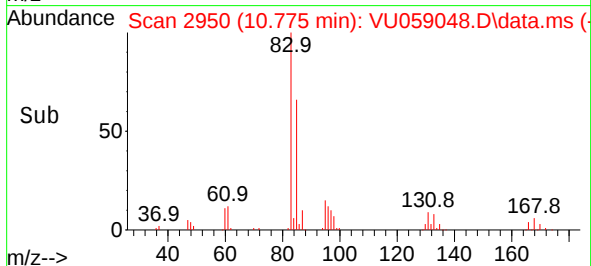
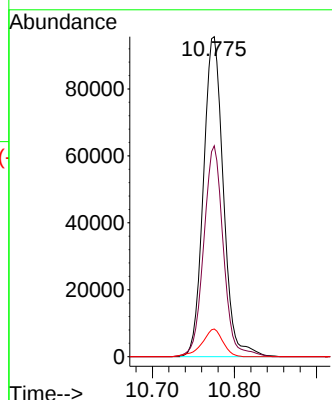
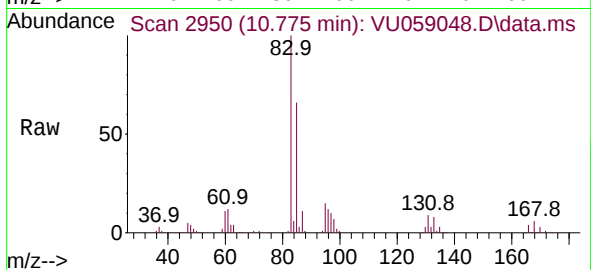
Tgt Ion: 83 Resp: 161123

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

131 8.7 7.0 10.4



#59

Bromoform

Concen: 47.393 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

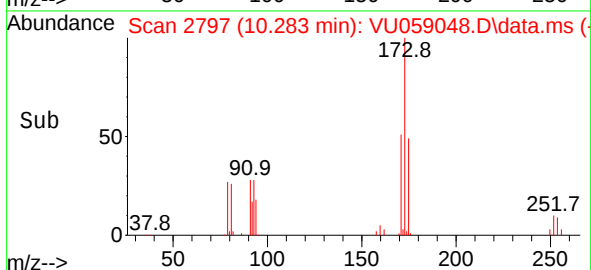
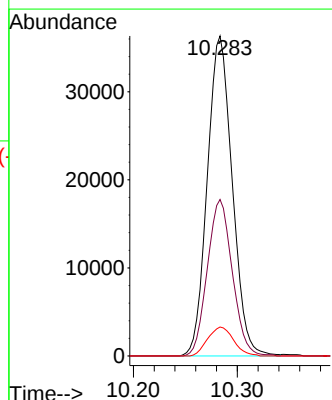
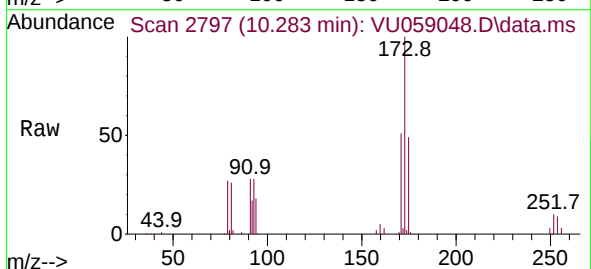
Tgt Ion:173 Resp: 60630

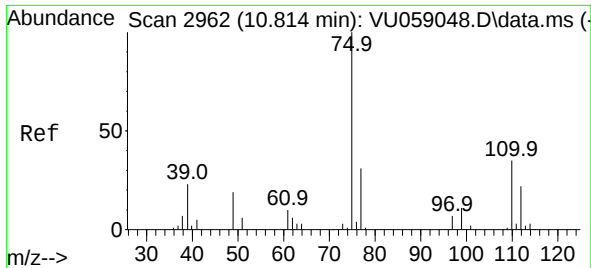
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 9.4 7.5 11.3

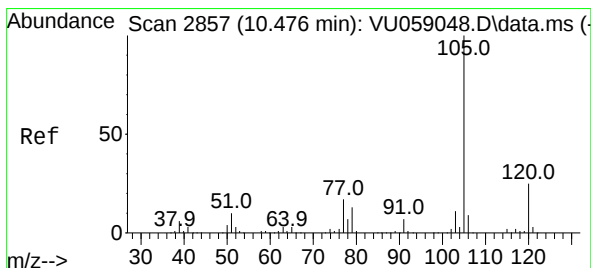
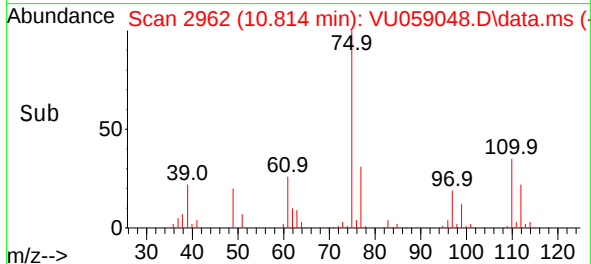
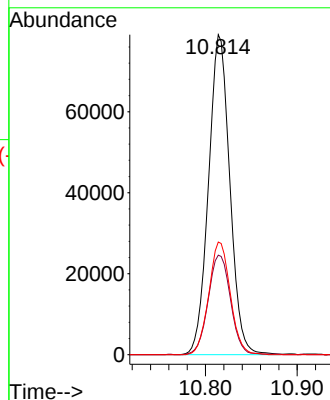
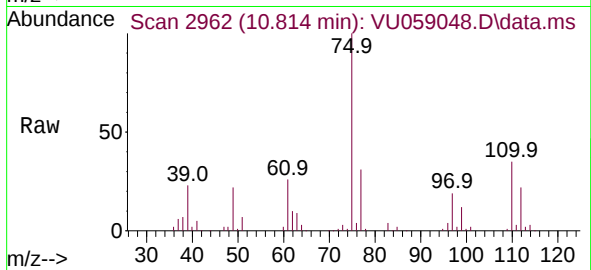




#60
1,2,3-Trichloropropane
Concen: 51.117 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

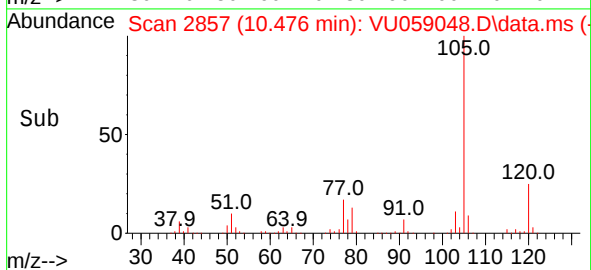
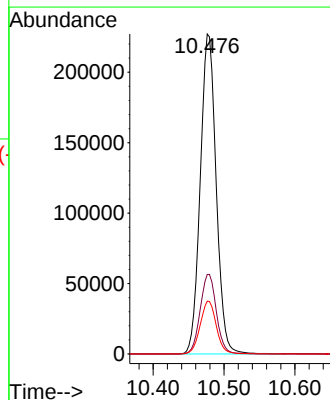
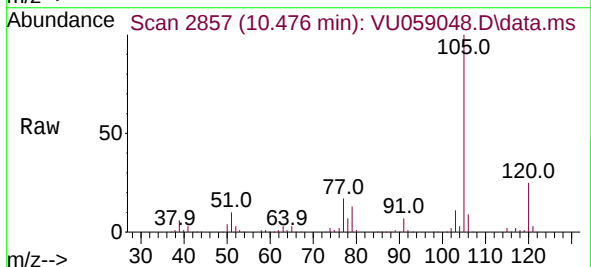
Instrument :
MSVOA_U
ClientSampleId :

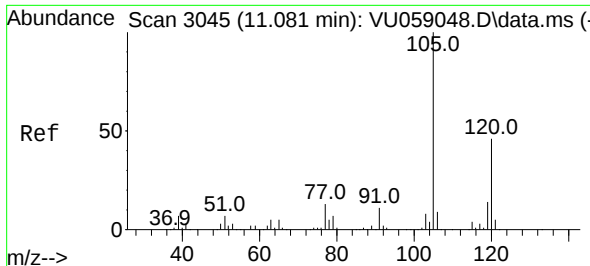
Tgt Ion: 75 Resp: 127655
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2
110 35.5 28.4 42.6



#61
Isopropylbenzene
Concen: 55.804 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:105 Resp: 353980
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5
77 16.7 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 52.054 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

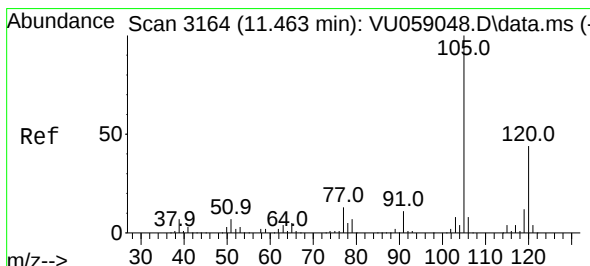
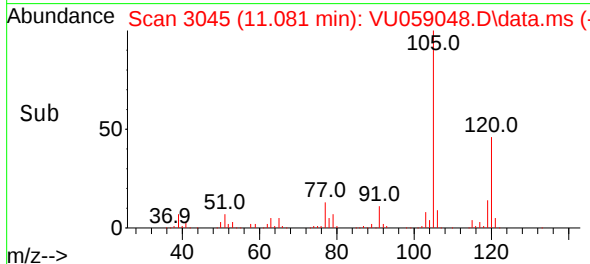
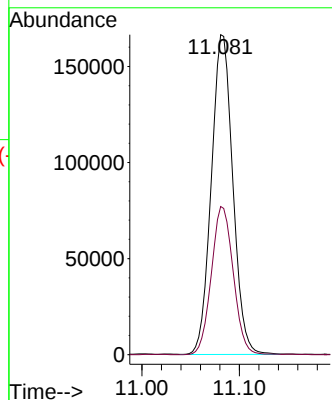
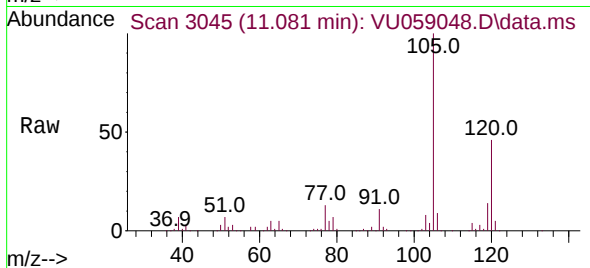
ClientSampleId :

Tgt Ion:105 Resp: 254987

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 57.016 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059048.D

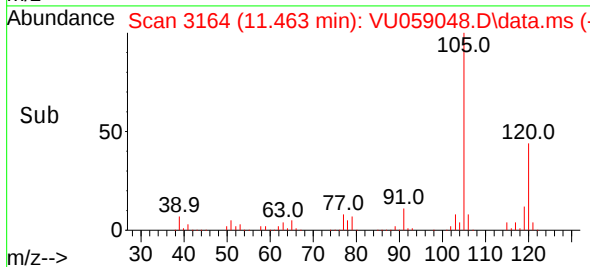
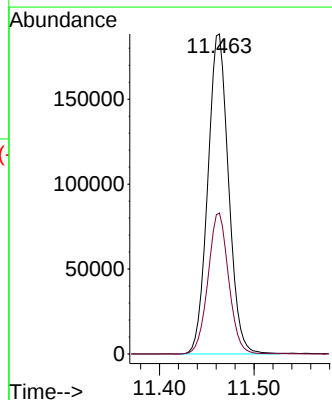
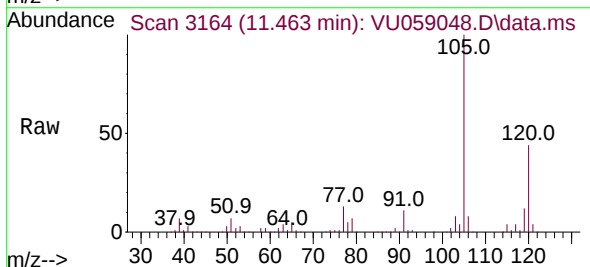
Acq: 29 May 2024 13:02

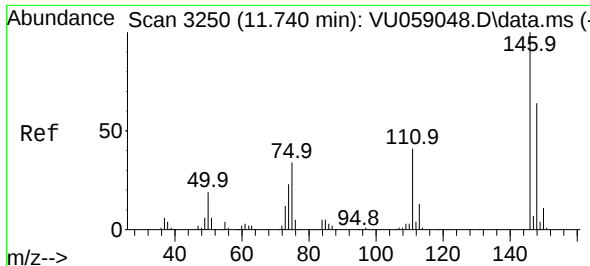
Tgt Ion:105 Resp: 287572

Ion Ratio Lower Upper

105 100

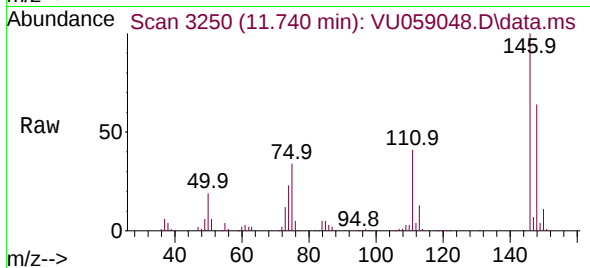
120 43.8 35.0 52.6



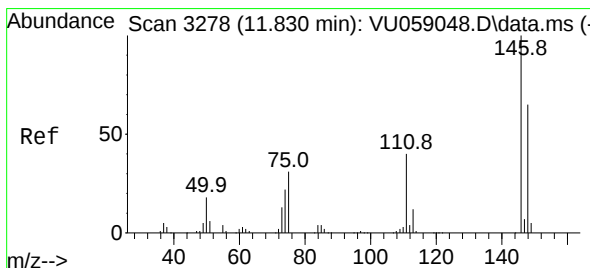
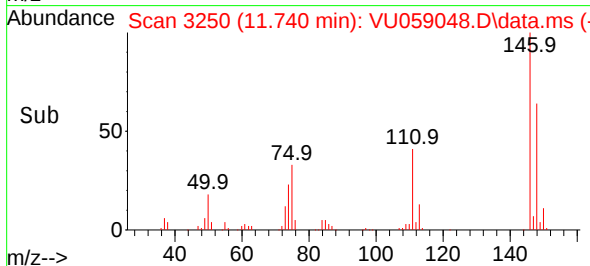
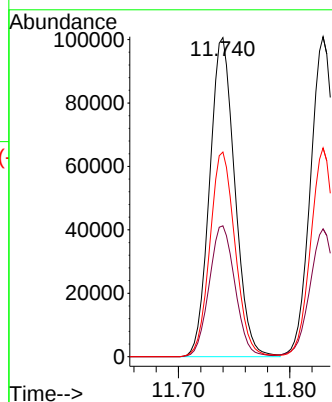


#64
1,3-Dichlorobenzene
Concen: 49.066 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Instrument :
MSVOA_U
ClientSampleId :

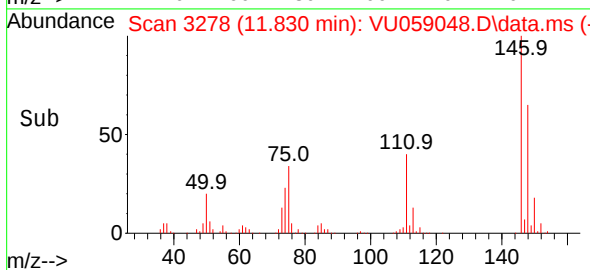
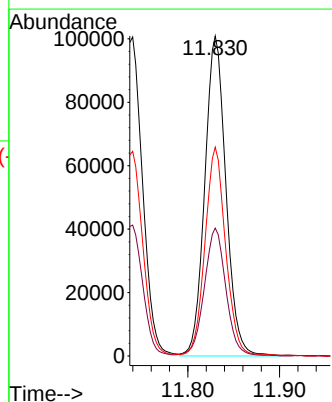
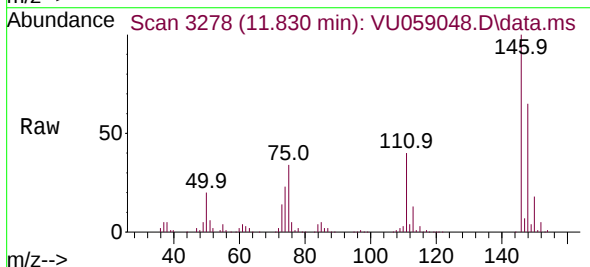


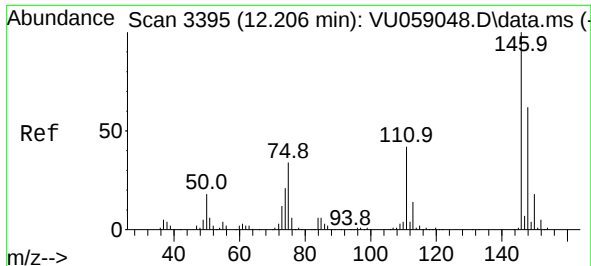
Tgt Ion:146 Resp: 158292
Ion Ratio Lower Upper
146 100
111 41.0 28.7 53.3
148 64.2 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 49.665 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059048.D
Acq: 29 May 2024 13:02

Tgt Ion:146 Resp: 161726
Ion Ratio Lower Upper
146 100
111 39.9 27.9 51.9
148 65.3 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 50.658 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

ClientSampleId :

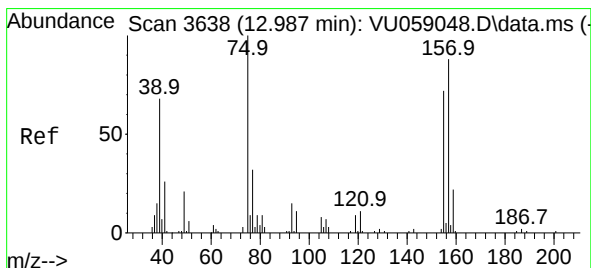
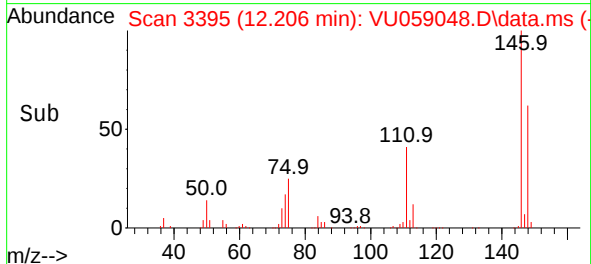
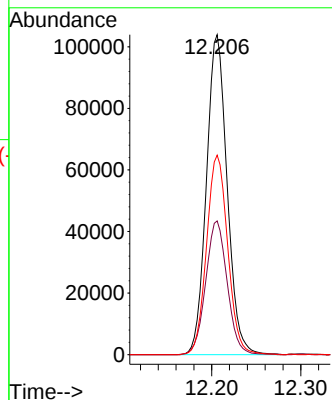
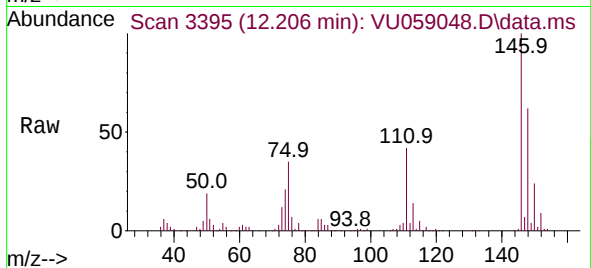
Tgt Ion:146 Resp: 167686

Ion Ratio Lower Upper

146 100

111 41.8 33.4 50.2

148 62.3 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.450 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

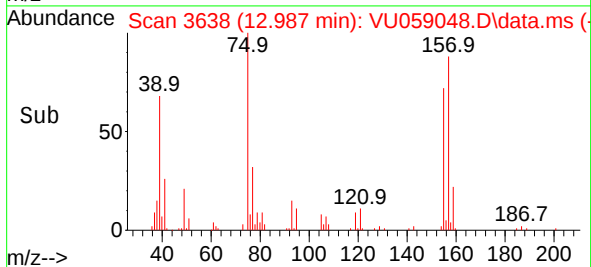
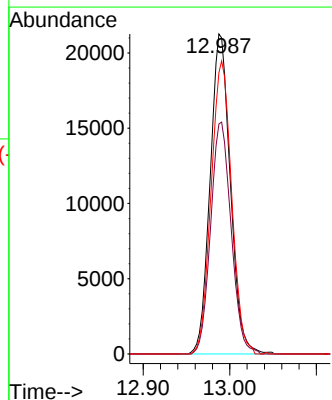
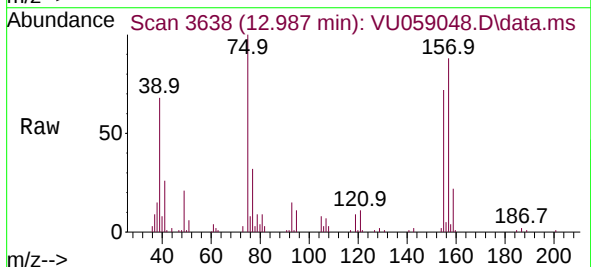
Tgt Ion: 75 Resp: 34458

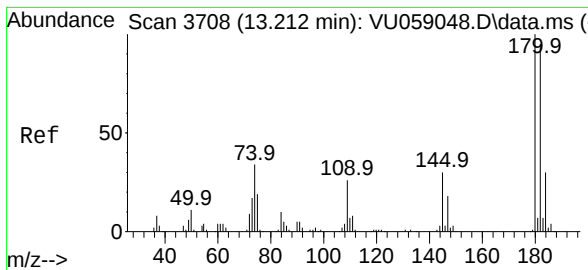
Ion Ratio Lower Upper

75 100

155 71.9 57.5 86.3

157 91.8 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 47.232 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. 0.000 min

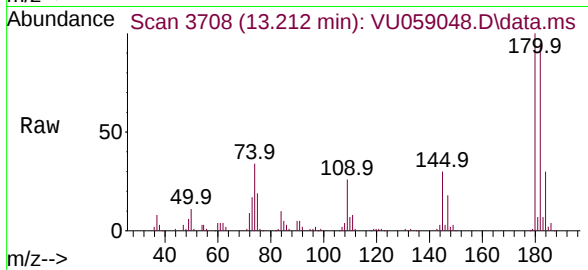
Lab File: VU059048.D

Acq: 29 May 2024 13:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 106237

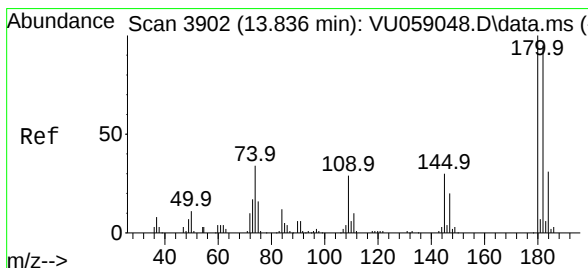
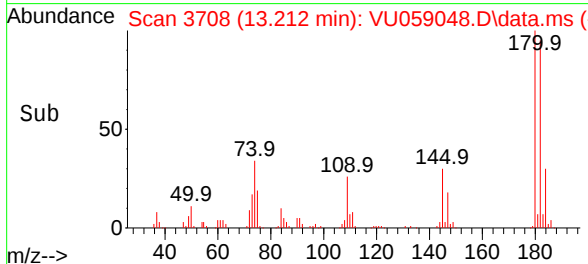
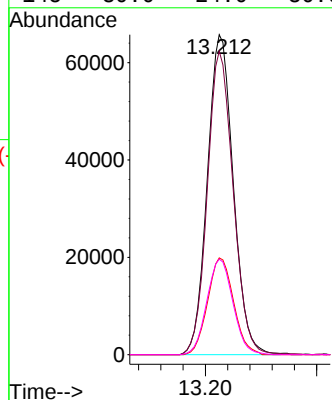
Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

184 30.2 24.2 36.2

145 30.0 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 44.329 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU059048.D

Acq: 29 May 2024 13:02

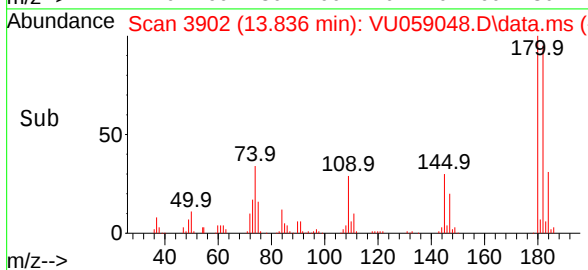
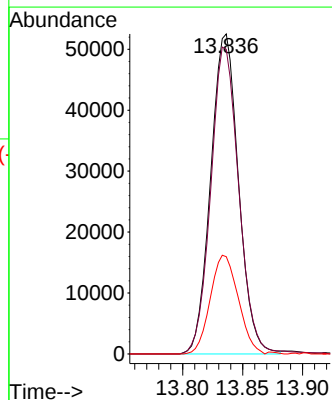
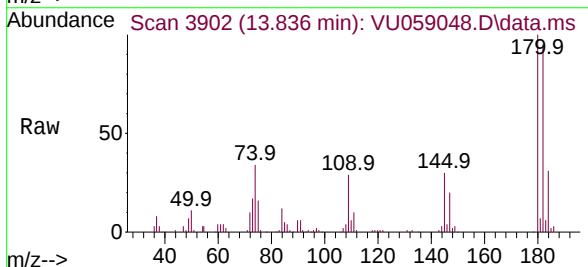
Tgt Ion:180 Resp: 84729

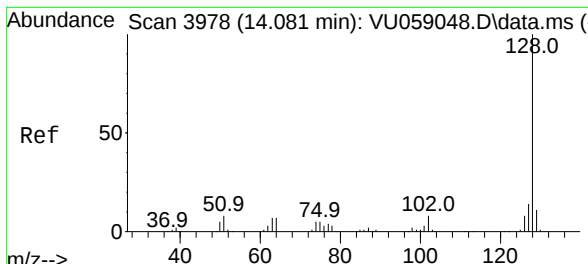
Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 31.0 24.8 37.2

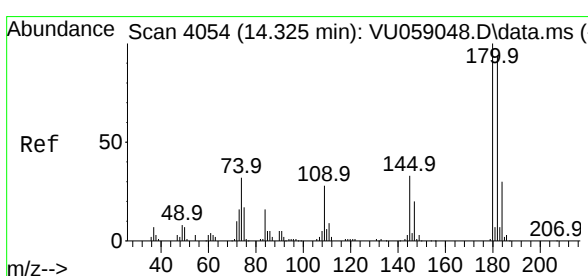
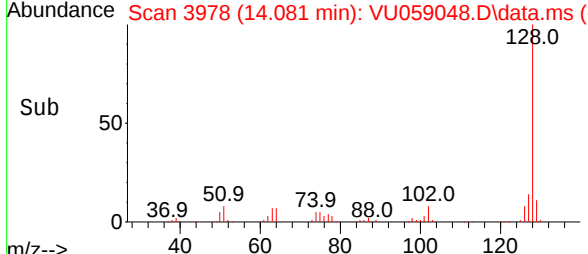
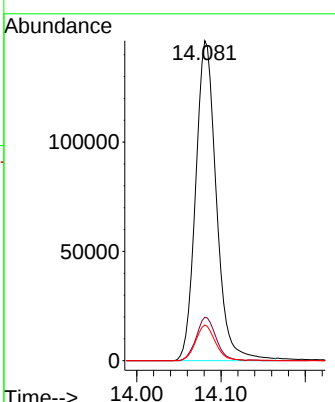
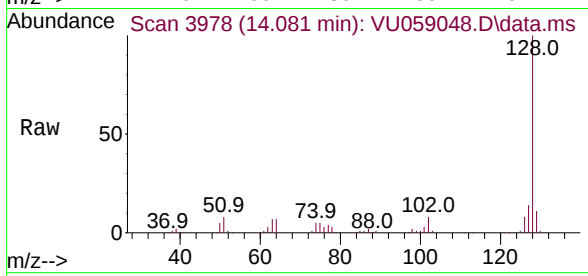




#71
 Naphthalene
 Concen: 45.103 ug/L
 RT: 14.081 min Scan# 3978
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	128	Resp:	250834
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.6	8.5	12.7



#72
 1,2,3-Trichlorobenzene
 Concen: 45.179 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. 0.000 min
 Lab File: VU059048.D
 Acq: 29 May 2024 13:02

Tgt Ion:	180	Resp:	88180
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.2	114.4
145	33.0	26.4	39.6

