

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059049.D
 Acq On : 29 May 2024 13:26
 Operator : MD/SY
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:09:34 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	200364	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	195350	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101516	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	122216	62.519	ug/L	0.00
7) Chloroethane-d5	1.882	69	105073	64.819	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	238250	77.298	ug/L	0.00
21) 2-Butanone-d5	4.605	46	249783	179.609	ug/L	0.00
24) Chloroform-d	5.049	84	252998	74.178	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	153728	73.708	ug/L	0.00
32) Benzene-d6	5.714	84	476884	76.813	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	163799	78.963	ug/L	0.00
41) Toluene-d8	7.888	98	415725	75.297	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	69900	75.603	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	175253	201.875	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	280761	88.657	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	158617	80.219	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	201046	133.877	ug/L	99
3) Chloromethane	1.515	50	224013	137.564	ug/L	99
5) Vinyl chloride	1.599	62	232376	126.681	ug/L	100
6) Bromomethane	1.824	94	186738	155.065	ug/L	98
8) Chloroethane	1.907	64	138180	113.678	ug/L	100
9) Trichlorofluoromethane	2.120	101	260942	109.426	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	148585	94.498	ug/L	97
12) 1,1-Dichloroethene	2.567	96	143870	110.974	ug/L	96
13) Acetone	2.612	43	246018	184.781	ug/L	99
14) Carbon disulfide	2.779	76	465893	165.046	ug/L	100
15) Methyl Acetate	2.933	43	212787	102.826	ug/L	98
16) Methylene chloride	3.030	84	180734	89.221	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	153304	116.515	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	515072	103.522	ug/L	100
19) 1,1-Dichloroethane	3.853	63	325654	100.992	ug/L	97
20) cis-1,2-Dichloroethene	4.653	96	177958	106.150	ug/L	99
22) 2-Butanone	4.685	43	326861	194.967	ug/L	100
23) Bromochloromethane	4.962	128	86010	98.737	ug/L	96
25) Chloroform	5.074	83	318374	94.890	ug/L	97
27) 1,2-Dichloroethane	5.782	62	264322	101.013	ug/L	100
29) Cyclohexane	5.377	56	274683	147.781	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	255427	106.740	ug/L	100
31) Carbon tetrachloride	5.512	117	205872	106.164	ug/L	99
33) Benzene	5.763	78	718279	116.500	ug/L	100
34) Trichloroethene	6.534	95	176303	109.937	ug/L	99
35) Methylcyclohexane	6.756	83	273638	137.136	ug/L	98
37) 1,2-Dichloropropane	6.782	63	201392	103.116	ug/L	100
38) Bromodichloromethane	7.097	83	236598	99.679	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	293264	109.181	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	574968	212.228	ug/L	99
42) Toluene	7.962	91	748683	115.519	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	273385	108.731	ug/L	100

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 QLast Update : Thu May 30 00:07:14 2024
 Response via : Initial Calibration

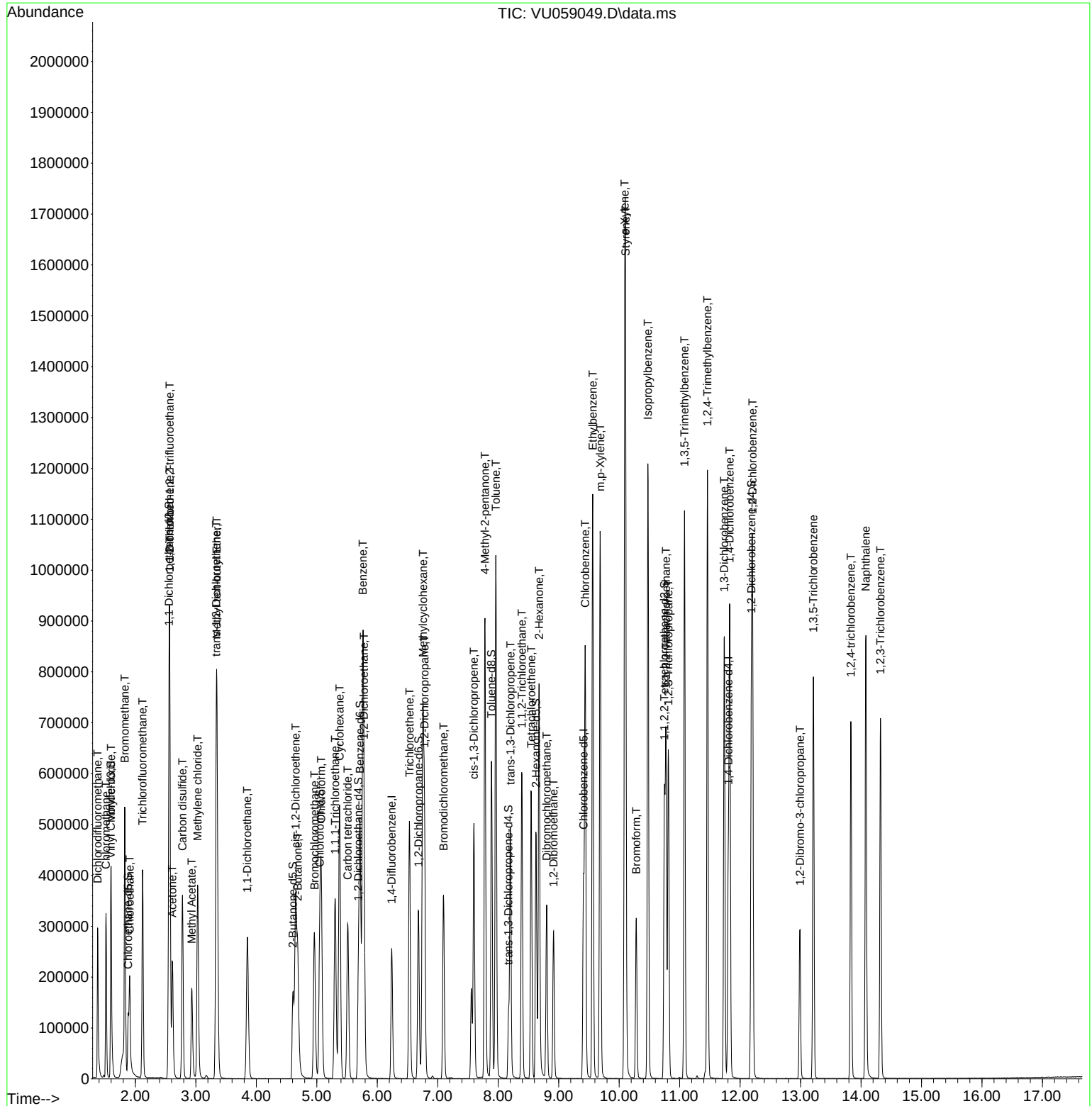
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	183451	97.263	ug/L	99
46) Tetrachloroethene	8.547	164	119065	111.562	ug/L	94
48) 2-Hexanone	8.676	43	482951	215.559	ug/L	99
49) Dibromochloromethane	8.801	129	167721	93.835	ug/L	95
50) 1,2-Dibromoethane	8.917	107	191200	105.043	ug/L	97
51) Chlorobenzene	9.441	112	437315	104.213	ug/L	100
52) Ethylbenzene	9.563	91	791775	113.693	ug/L	100
53) m,p-Xylene	9.688	106	294953	117.290	ug/L	98
54) o-Xylene	10.094	106	289734	115.859	ug/L	99
55) Styrene	10.106	104	505102	114.712	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	345037	102.119	ug/L	97
59) Bromoform	10.283	173	135116	100.308	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	268374	102.063	ug/L	100
61) Isopropylbenzene	10.476	105	761636	114.034	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	575978	111.671	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	635595	119.682	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	343080	100.997	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	347017	101.209	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	358556	102.874	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	76396	108.334	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	234656	99.081	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	204283	101.504	ug/L	99
71) Naphthalene	14.081	128	665616	113.668	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	206146	100.308	ug/L	99

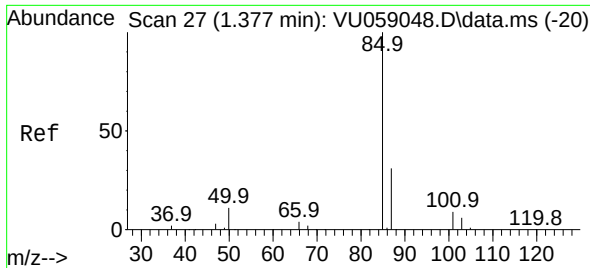
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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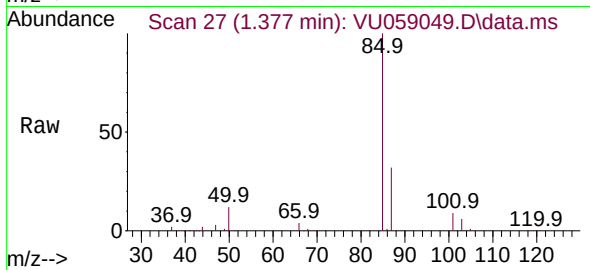
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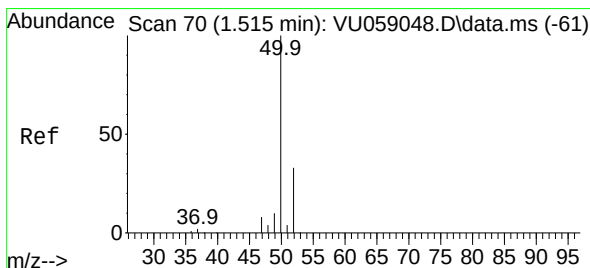
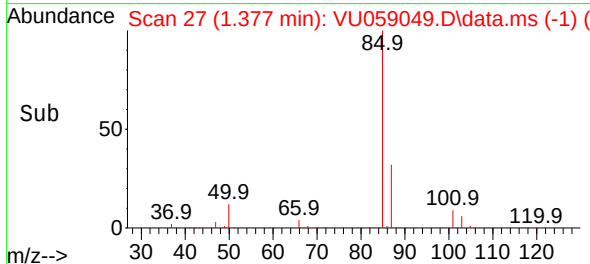
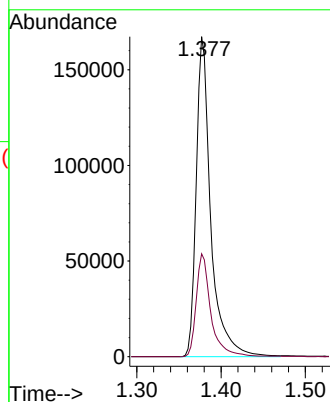


#2
 Dichlorodifluoromethane
 Concen: 133.877 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU059049.D
 Acq: 29 May 2024 13:26

Instrument :
 MSVOA_U
 ClientSampleId :

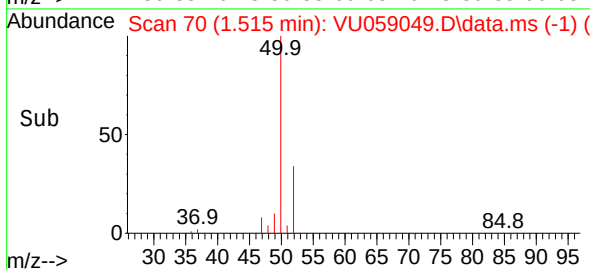
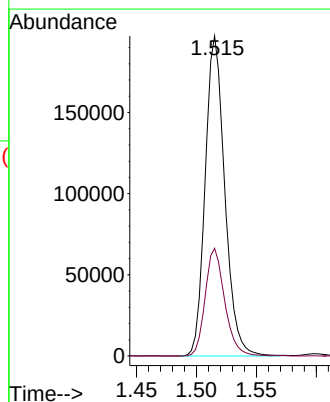
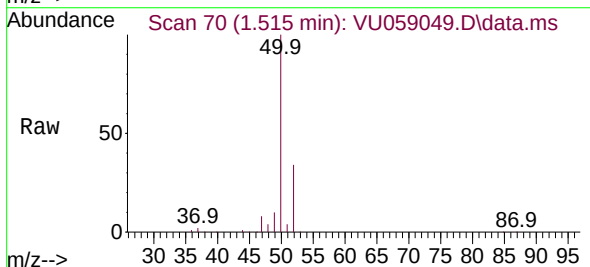


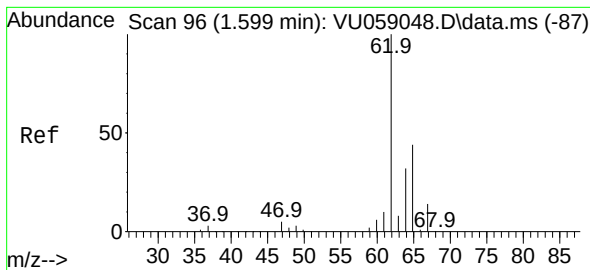
Tgt Ion: 85 Resp: 201046
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.4 38.2



#3
 Chloromethane
 Concen: 137.564 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU059049.D
 Acq: 29 May 2024 13:26

Tgt Ion: 50 Resp: 224013
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.2 43.2





#5

Vinyl chloride

Concen: 126.681 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

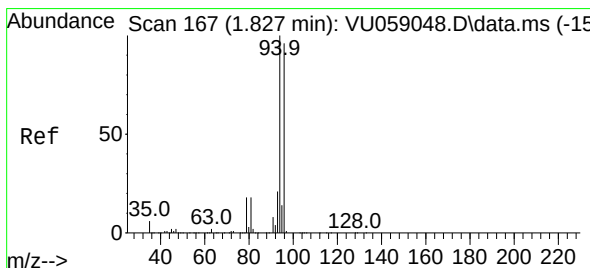
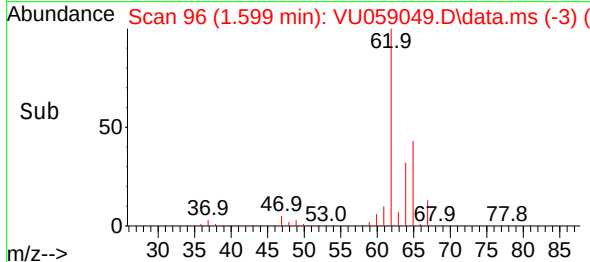
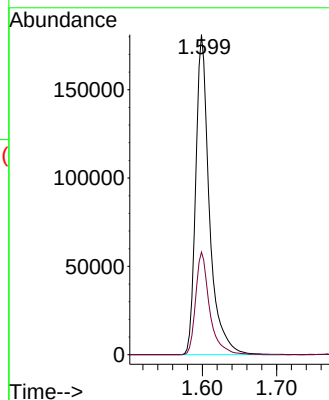
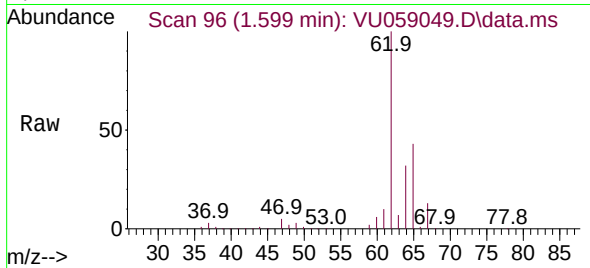
ClientSampleId :

Tgt Ion: 62 Resp: 232376

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 155.065 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.003 min

Lab File: VU059049.D

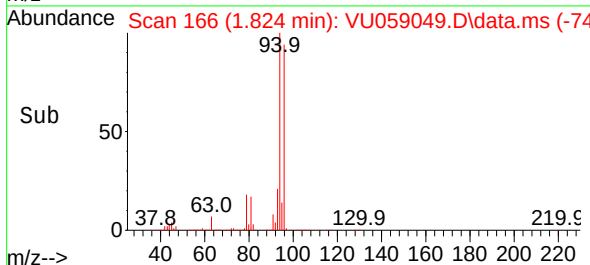
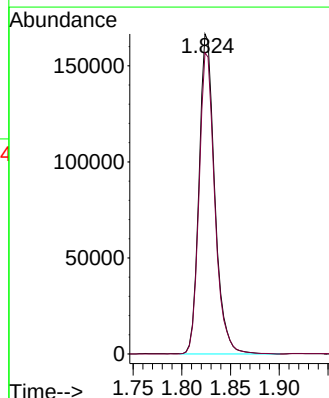
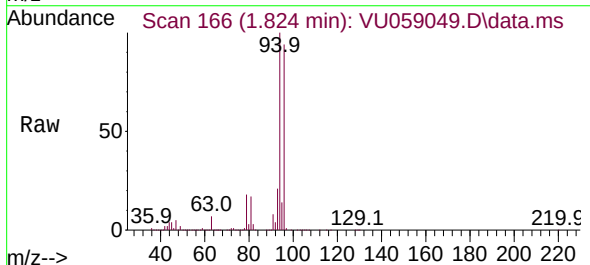
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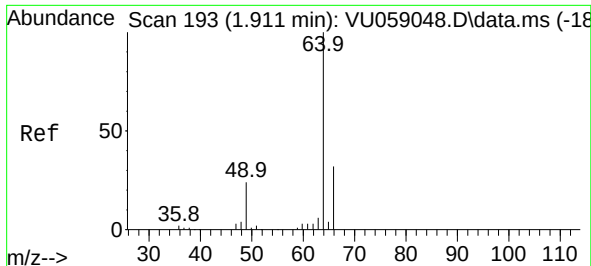
Tgt Ion: 94 Resp: 186738

Ion Ratio Lower Upper

94 100

96 94.1 67.1 124.7





#8

Chloroethane

Concen: 113.678 ug/L

RT: 1.907 min Scan# 193

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

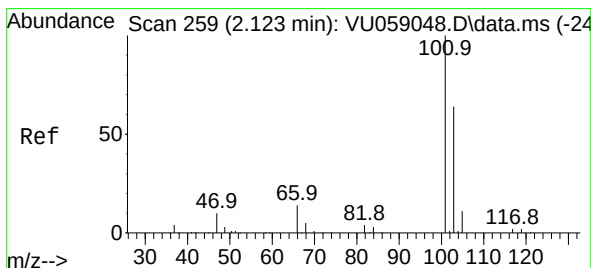
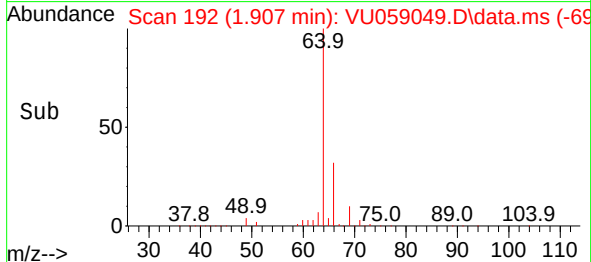
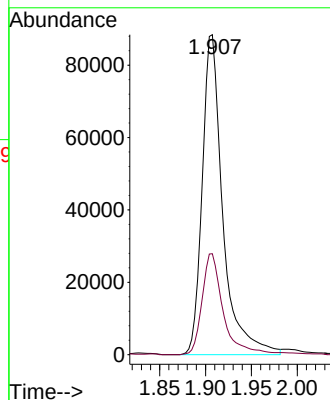
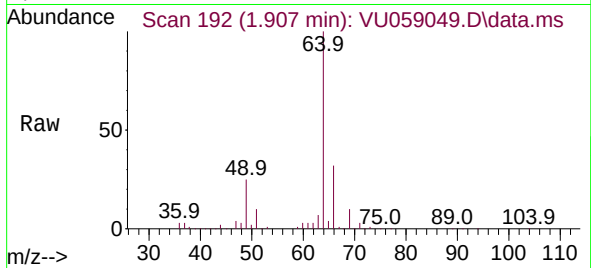
ClientSampleId :

Tgt Ion: 64 Resp: 138180

Ion Ratio Lower Upper

64 100

66 31.5 22.1 41.1



#9

Trichlorofluoromethane

Concen: 109.426 ug/L

RT: 2.120 min Scan# 258

Delta R.T. -0.003 min

Lab File: VU059049.D

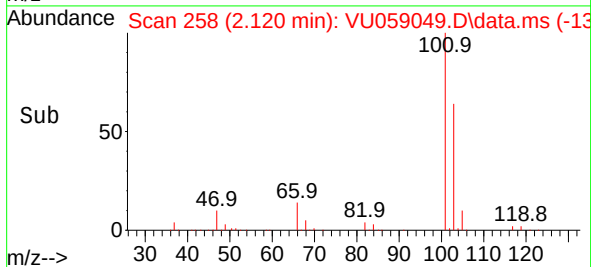
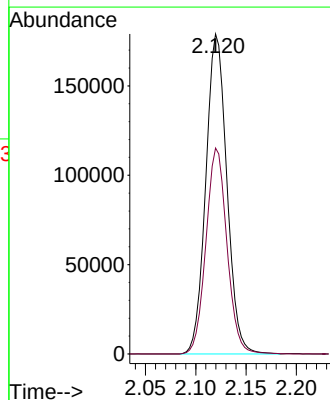
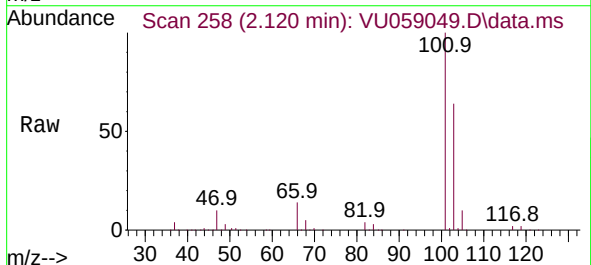
Acq: 29 May 2024 13:26

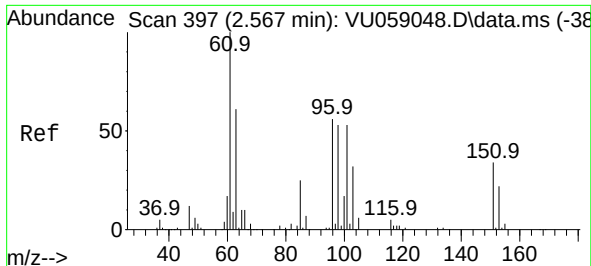
Tgt Ion:101 Resp: 260942

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.6

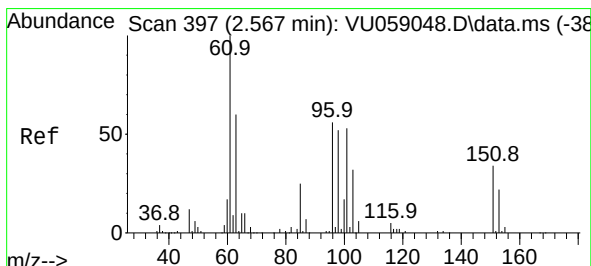
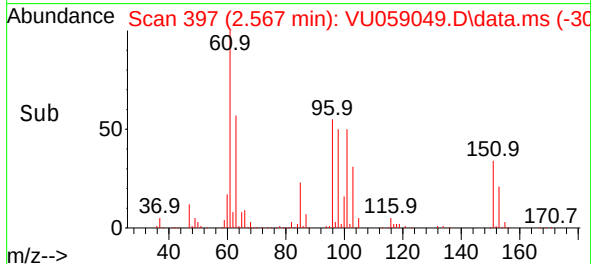
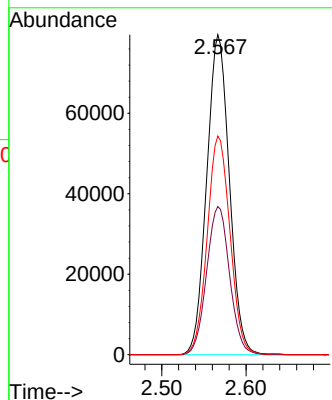
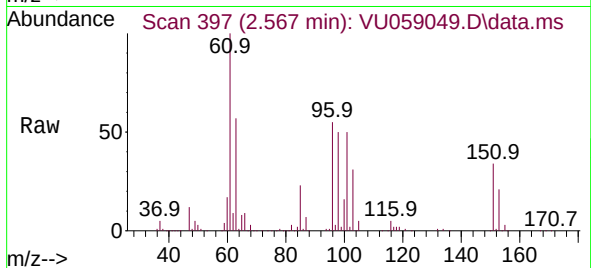




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 94.498 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU059049.D
 Acq: 29 May 2024 13:26

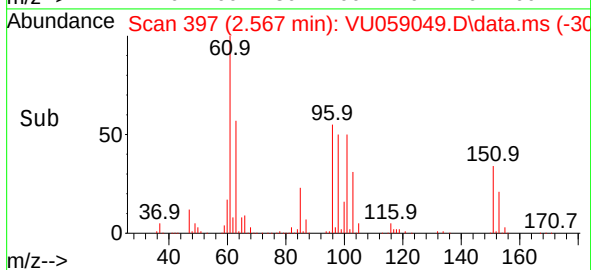
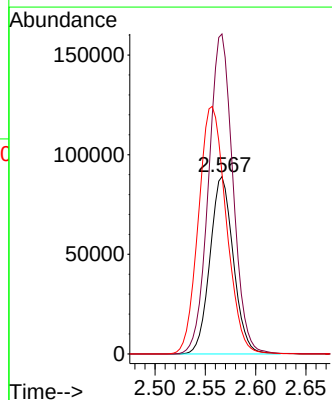
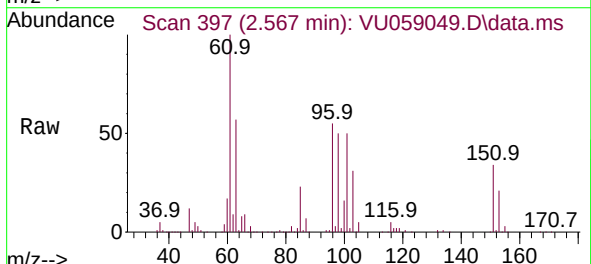
Instrument :
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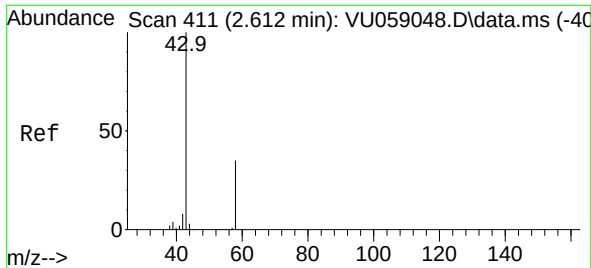
Tgt Ion:101 Resp: 148585
 Ion Ratio Lower Upper
 101 100
 85 47.0 36.7 55.1
 151 68.8 52.2 78.2



#12
 1,1-Dichloroethene
 Concen: 110.974 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU059049.D
 Acq: 29 May 2024 13:26

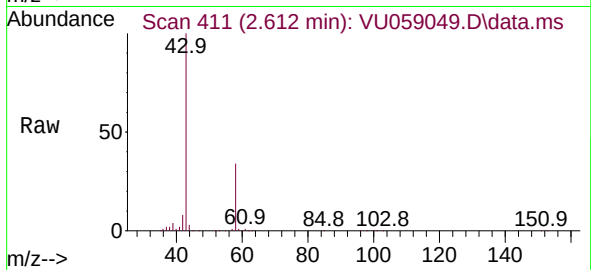
Tgt Ion: 96 Resp: 143870
 Ion Ratio Lower Upper
 96 100
 61 180.4 126.3 234.6
 63 102.0 78.7 146.1



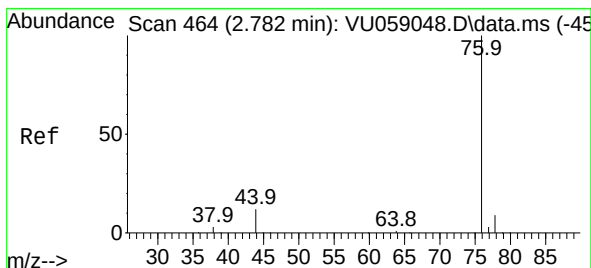
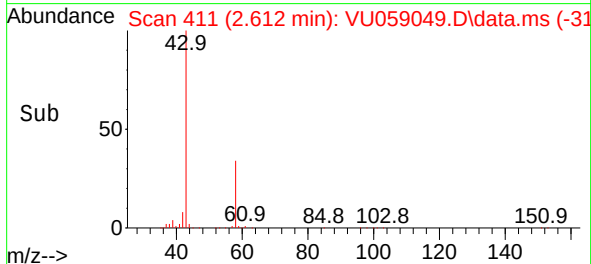
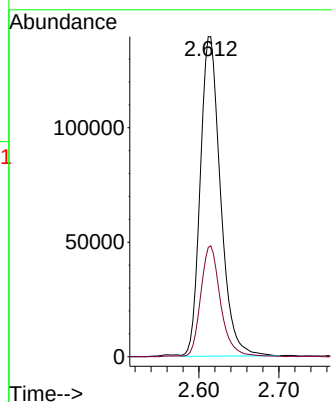


#13
Acetone
Concen: 184.781 ug/L
RT: 2.612 min Scan# 411
Delta R.T. -0.000 min
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ClientSampleId :

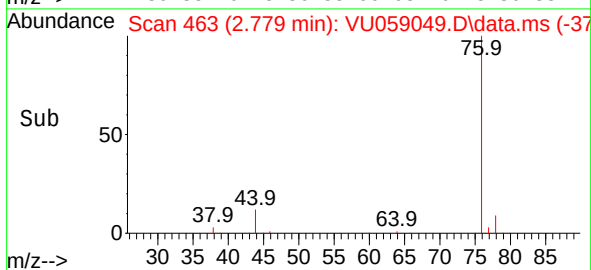
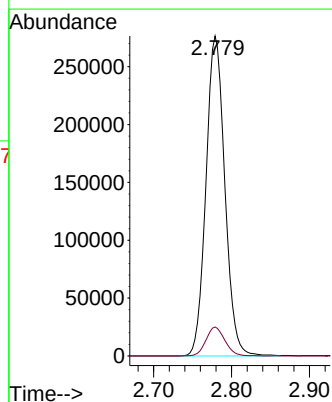
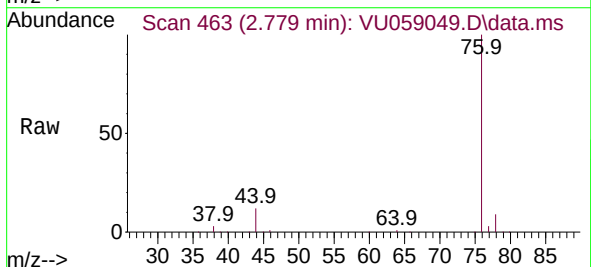


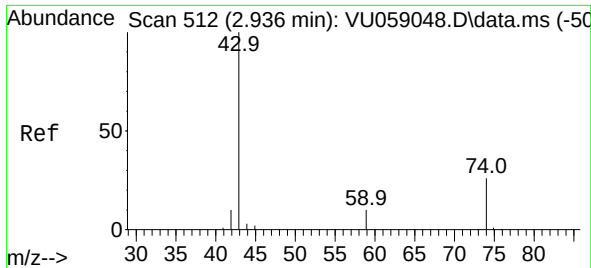
Tgt Ion: 43 Resp: 246018
Ion Ratio Lower Upper
43 100
58 34.1 0.0 68.8



#14
Carbon disulfide
Concen: 165.046 ug/L
RT: 2.779 min Scan# 463
Delta R.T. -0.003 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion: 76 Resp: 465893
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 102.826 ug/L

RT: 2.933 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

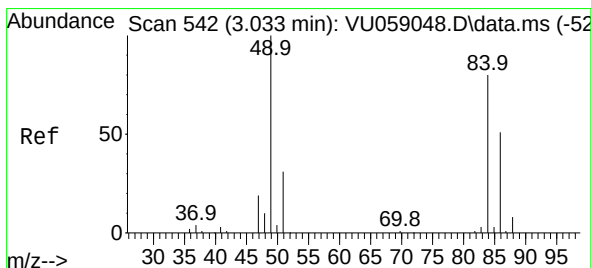
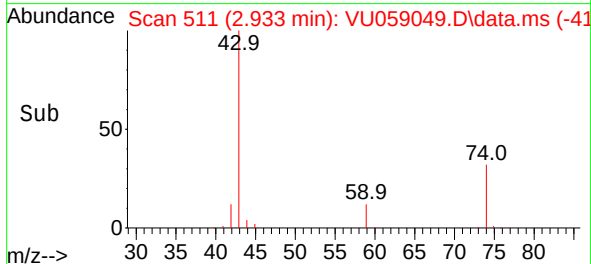
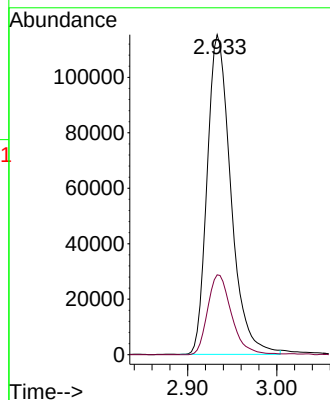
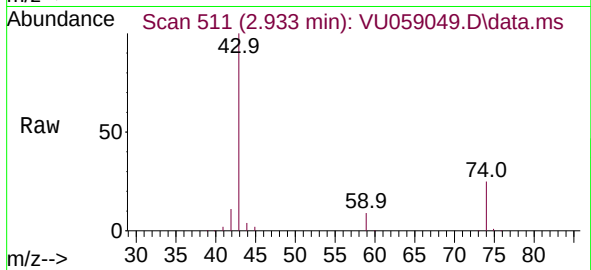
ClientSampleId :

Tgt Ion: 43 Resp: 212787

Ion Ratio Lower Upper

43 100

74 25.2 20.8 31.2



#16

Methylene chloride

Concen: 89.221 ug/L

RT: 3.030 min Scan# 541

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

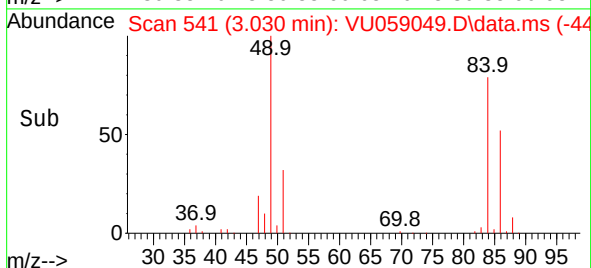
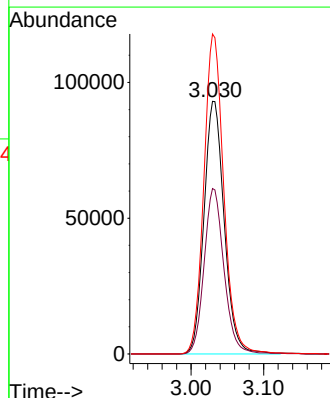
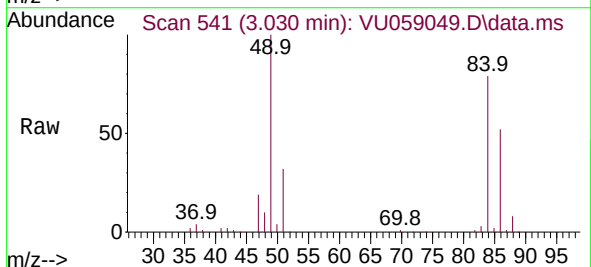
Tgt Ion: 84 Resp: 180734

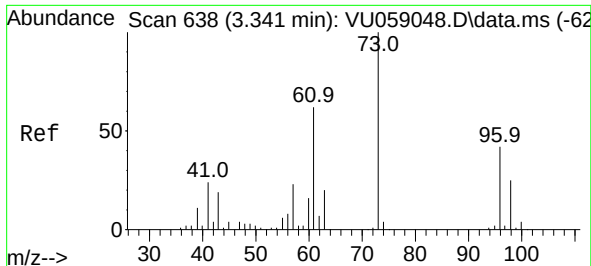
Ion Ratio Lower Upper

84 100

86 65.5 44.9 83.3

49 126.7 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 116.515 ug/L

RT: 3.338 min Scan# 641

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

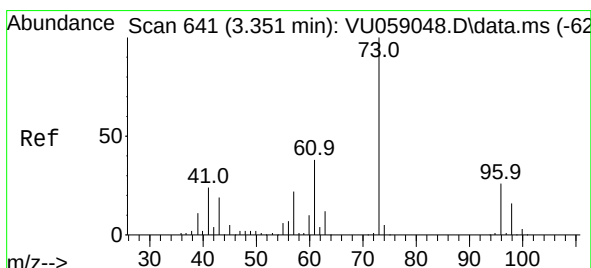
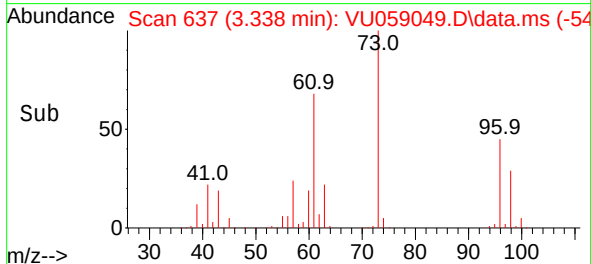
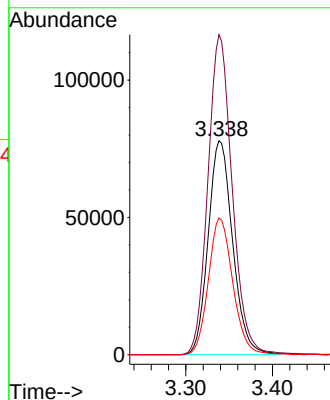
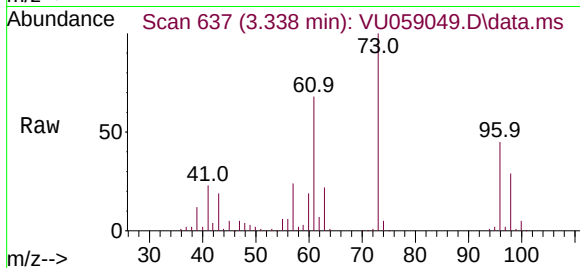
Tgt Ion: 96 Resp: 153304

Ion Ratio Lower Upper

96 100

61 149.6 103.5 192.3

98 63.9 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 103.522 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

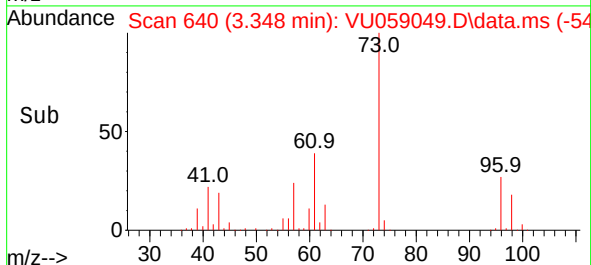
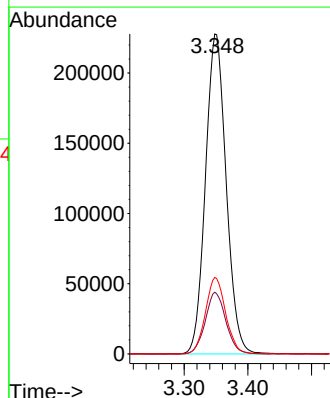
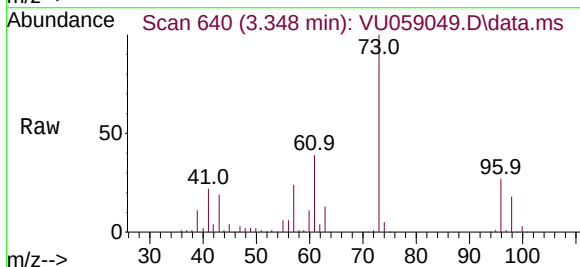
Tgt Ion: 73 Resp: 515072

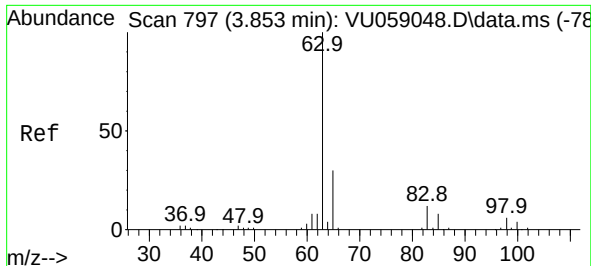
Ion Ratio Lower Upper

73 100

43 19.2 15.6 23.4

57 23.4 18.6 28.0





#19

1,1-Dichloroethane

Concen: 100.992 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

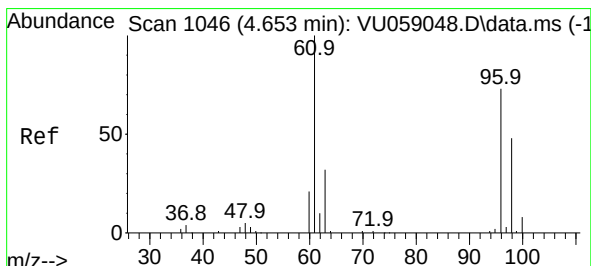
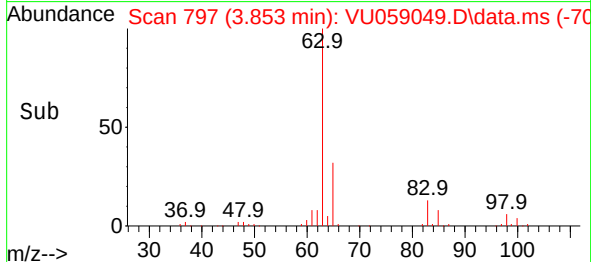
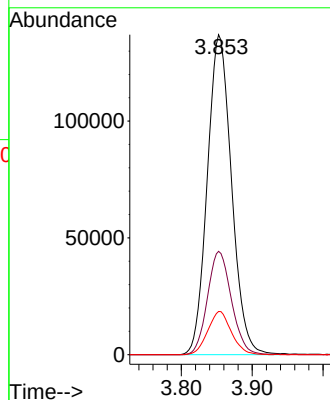
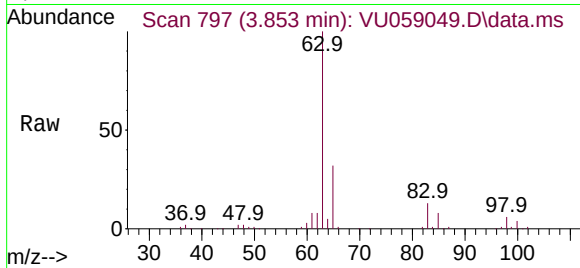
Tgt Ion: 63 Resp: 325654

Ion Ratio Lower Upper

63 100

65 32.3 21.3 39.5

83 13.5 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 106.150 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

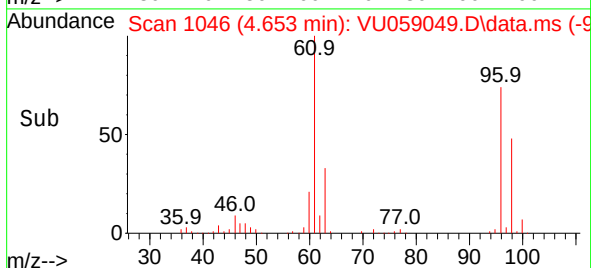
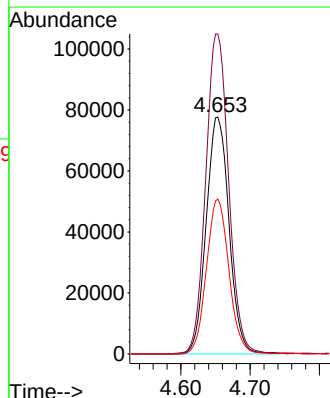
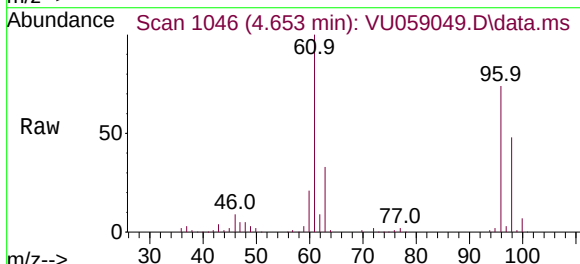
Tgt Ion: 96 Resp: 177958

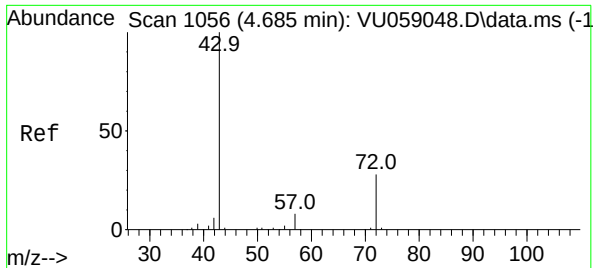
Ion Ratio Lower Upper

96 100

61 135.0 96.2 178.6

98 65.4 45.6 84.6

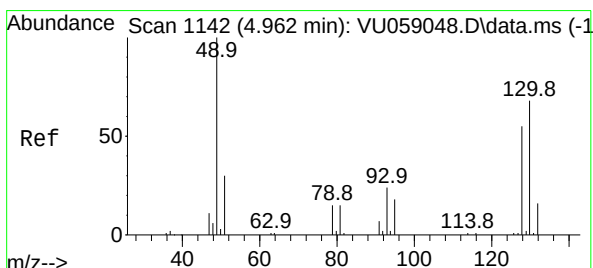
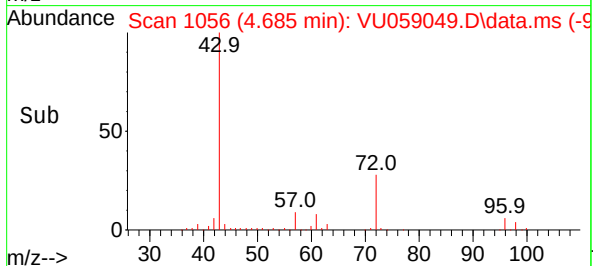
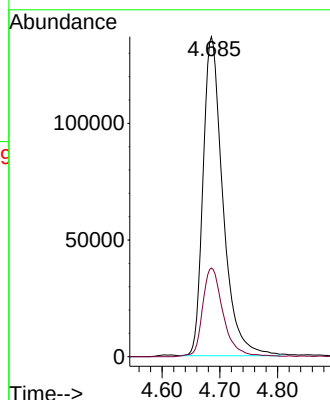
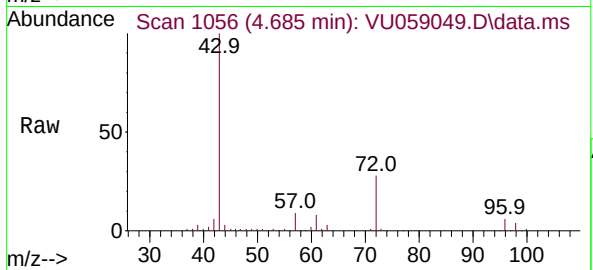




#22
2-Butanone
Concen: 194.967 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

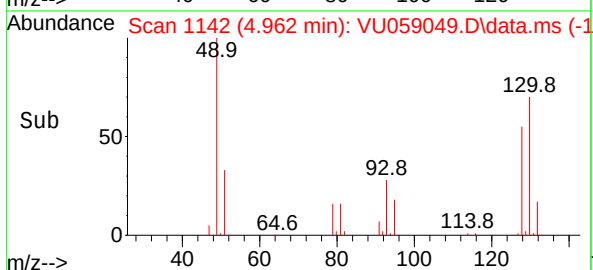
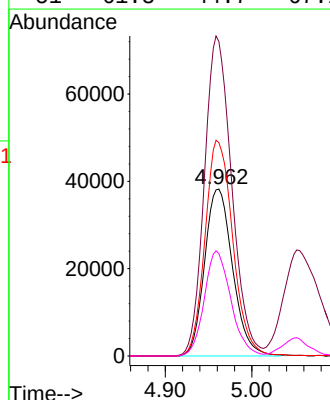
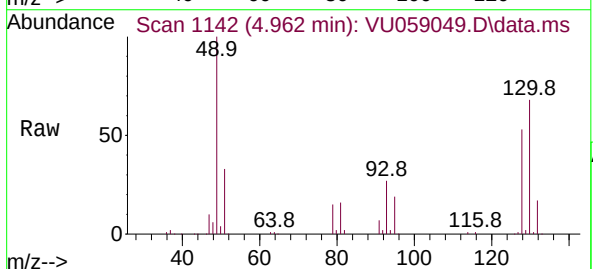
Instrument :
MSVOA_U
ClientSampleId :

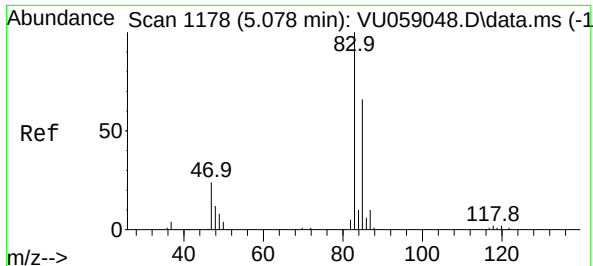
Tgt Ion: 43 Resp: 326861
Ion Ratio Lower Upper
43 100
72 28.7 14.2 42.8



#23
Bromochloromethane
Concen: 98.737 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion:128 Resp: 86010
Ion Ratio Lower Upper
128 100
49 188.4 128.4 238.4
130 127.8 86.9 161.3
51 61.3 44.7 67.1





#25

Chloroform

Concen: 94.890 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

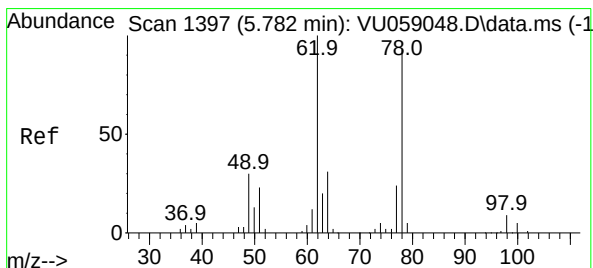
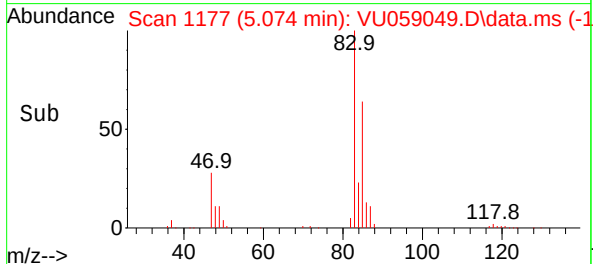
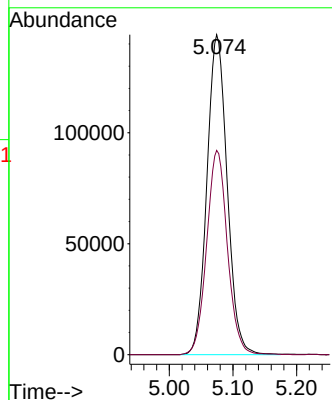
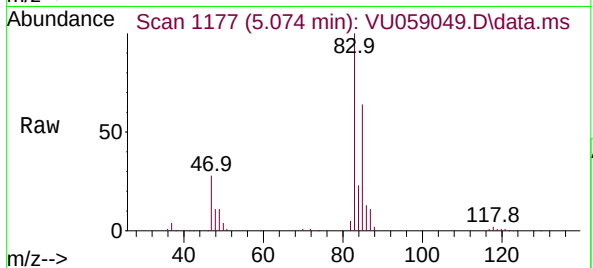
ClientSampleId :

Tgt Ion: 83 Resp: 318374

Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 101.013 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU059049.D

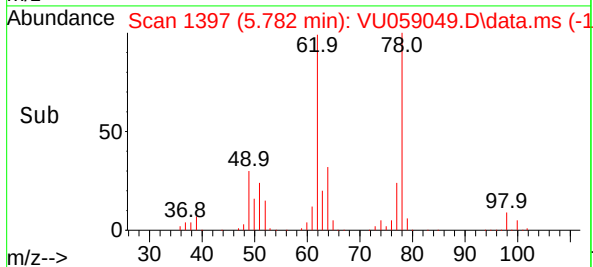
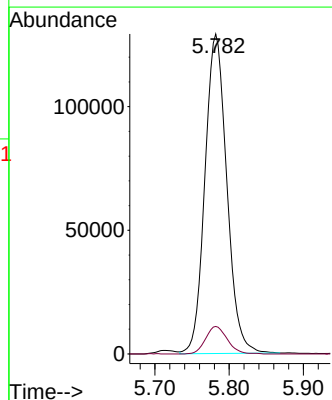
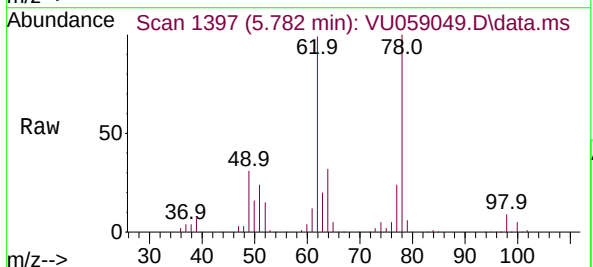
Acq: 29 May 2024 13:26

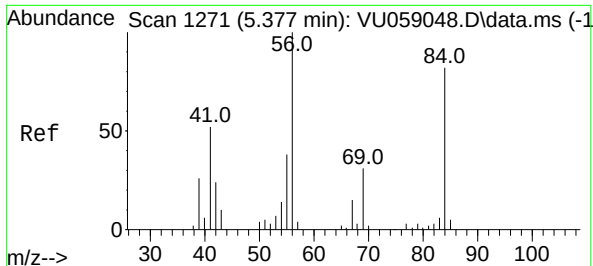
Tgt Ion: 62 Resp: 264322

Ion Ratio Lower Upper

62 100

98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 147.781 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

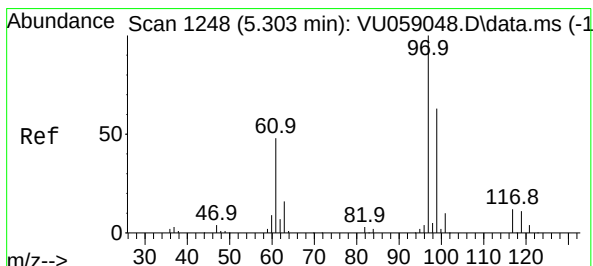
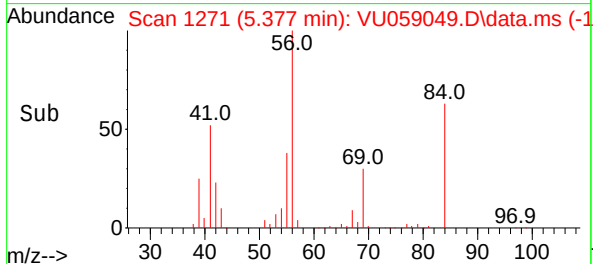
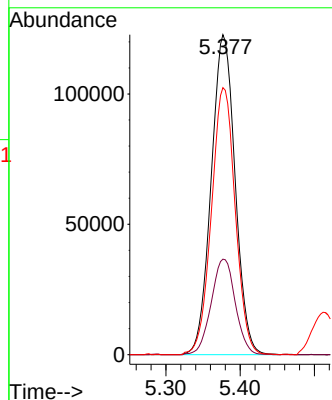
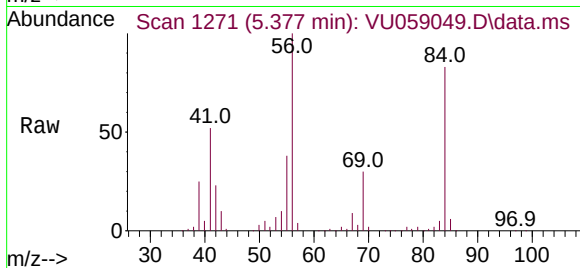
Tgt Ion: 56 Resp: 274683

Ion Ratio Lower Upper

56 100

69 30.1 24.6 37.0

84 83.0 67.4 101.0



#30

1,1,1-Trichloroethane

Concen: 106.740 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

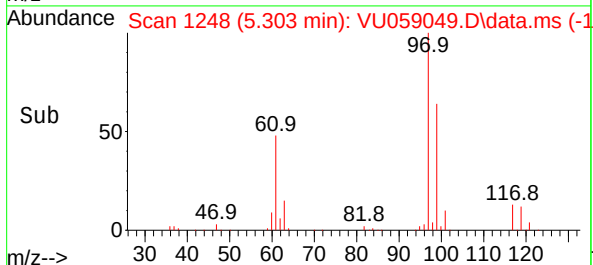
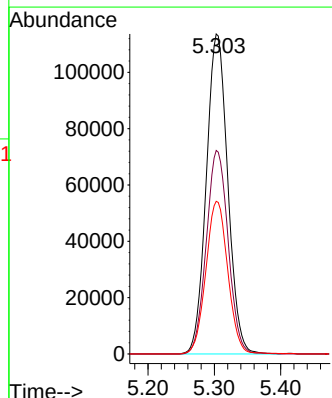
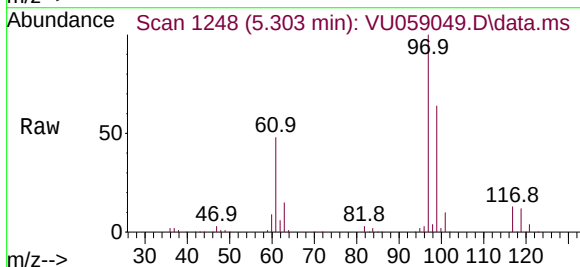
Tgt Ion: 97 Resp: 255427

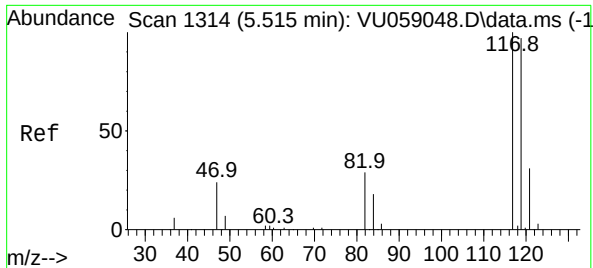
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 48.6 39.1 58.7

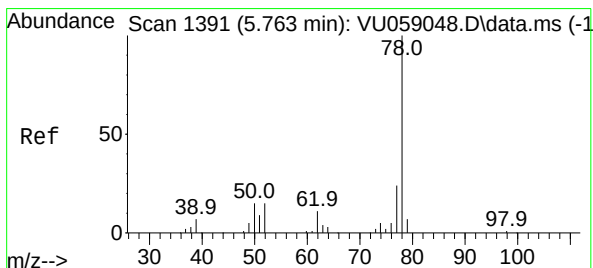
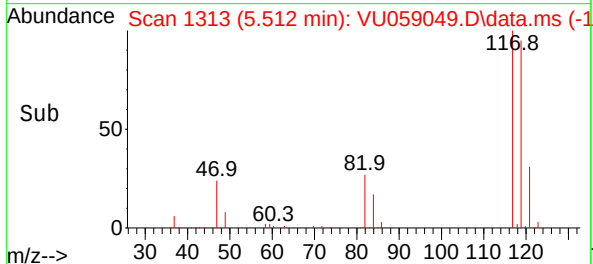
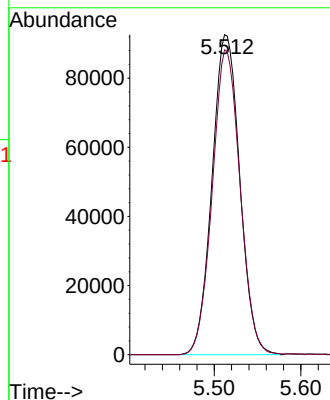
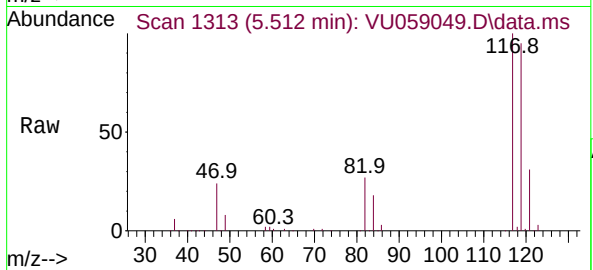




#31
Carbon tetrachloride
Concen: 106.164 ug/L
RT: 5.512 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

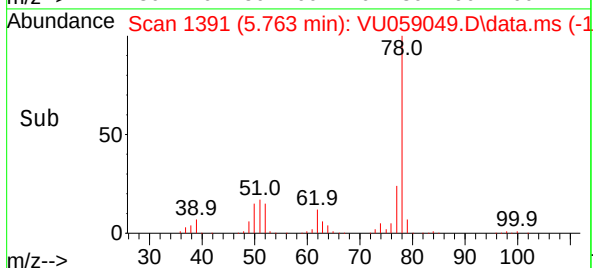
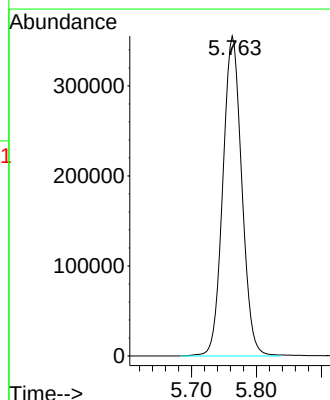
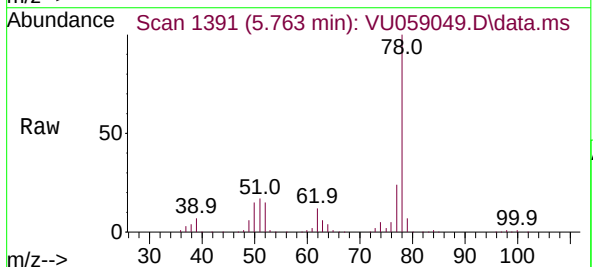
Instrument :
MSVOA_U
ClientSampleId :

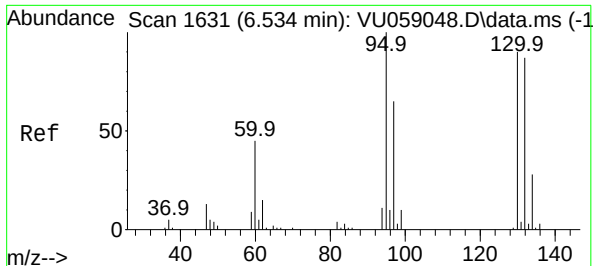
Tgt Ion:117 Resp: 205872
Ion Ratio Lower Upper
117 100
119 95.4 76.9 115.3



#33
Benzene
Concen: 116.500 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion: 78 Resp: 718279





#34

Trichloroethene

Concen: 109.937 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 176303

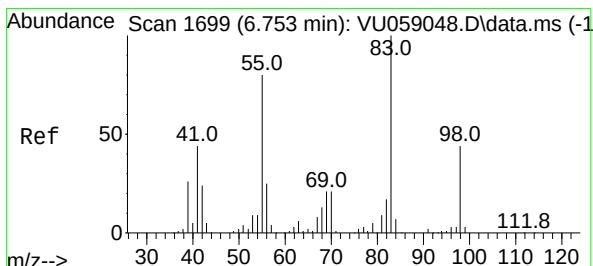
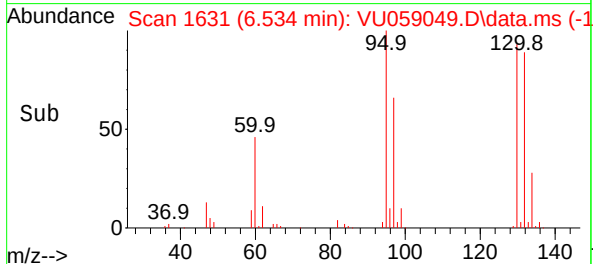
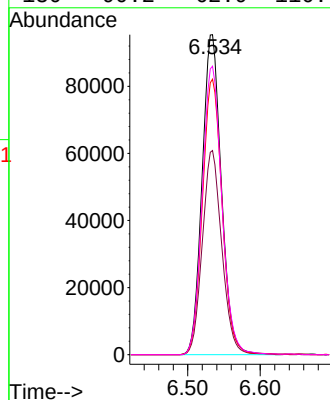
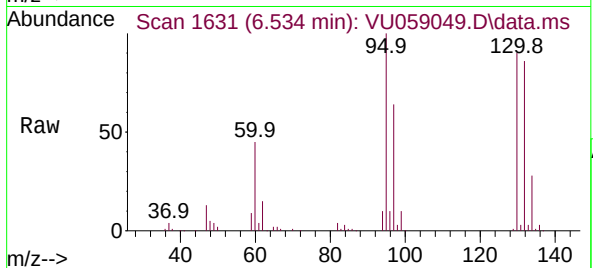
Ion Ratio Lower Upper

95 100

97 63.8 45.2 84.0

132 86.1 60.6 112.6

130 90.2 62.9 116.7



#35

Methylcyclohexane

Concen: 137.136 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

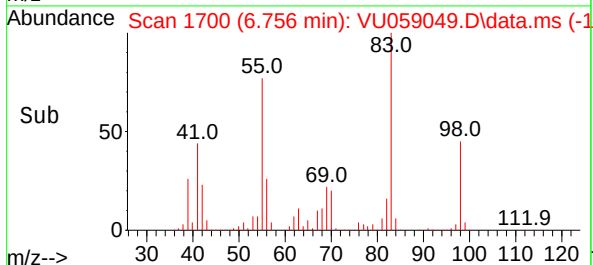
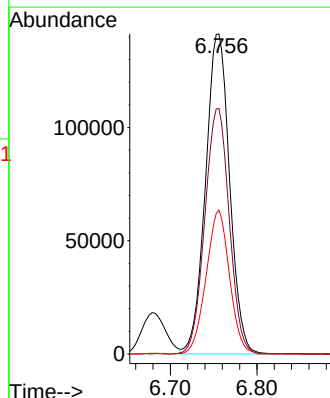
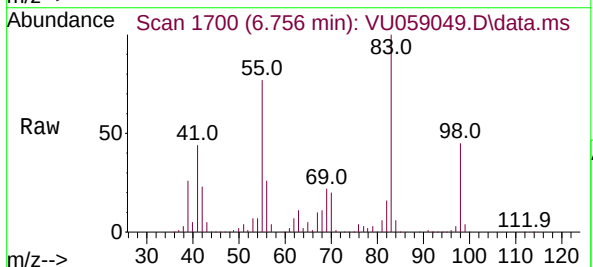
Tgt Ion: 83 Resp: 273638

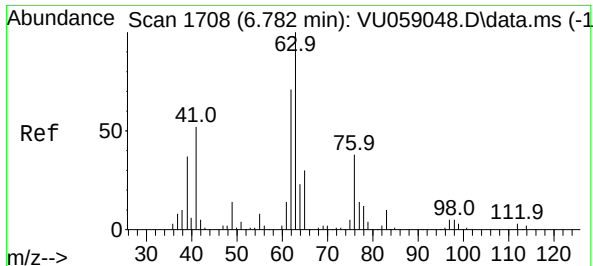
Ion Ratio Lower Upper

83 100

55 77.6 63.9 95.9

98 43.5 34.7 52.1

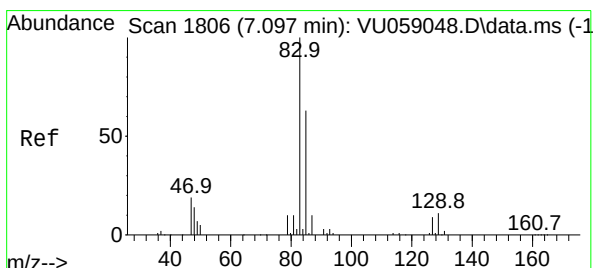
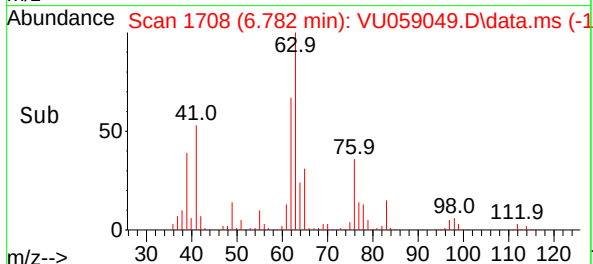
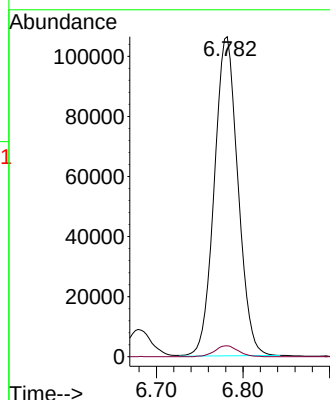
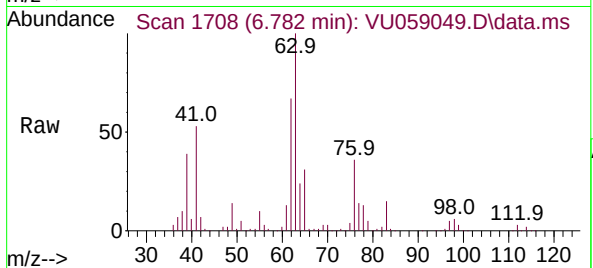




#37
1,2-Dichloropropane
Concen: 103.116 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

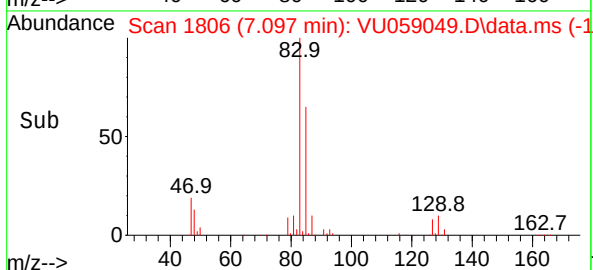
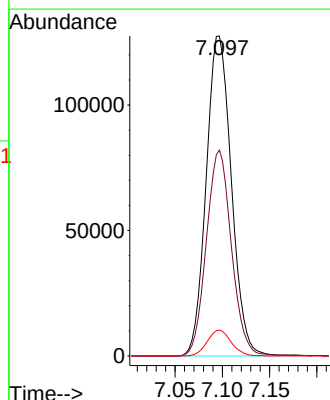
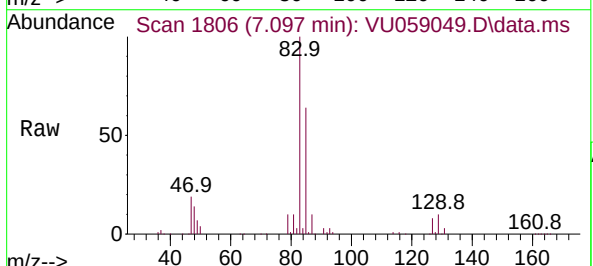
Instrument :
MSVOA_U
ClientSampleId :

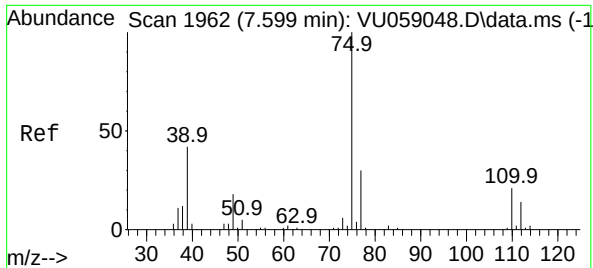
Tgt Ion: 63 Resp: 201392
Ion Ratio Lower Upper
63 100
112 3.4 2.6 4.0



#38
Bromodichloromethane
Concen: 99.679 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion: 83 Resp: 236598
Ion Ratio Lower Upper
83 100
85 64.3 44.0 81.6
127 8.1 7.0 10.6

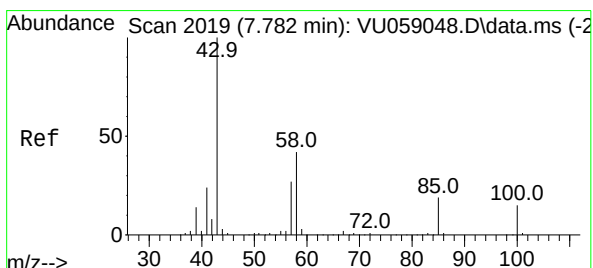
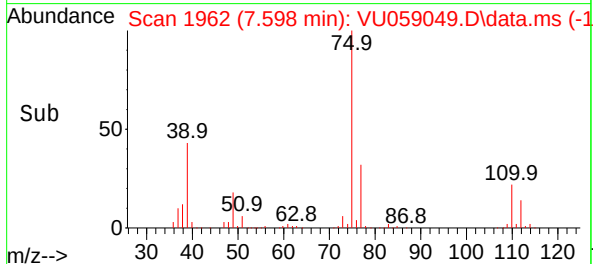
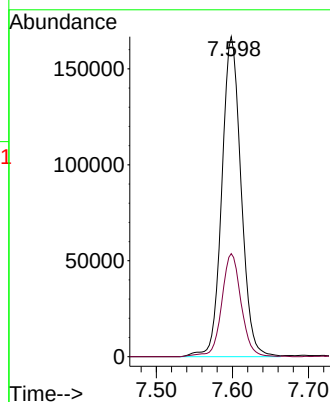
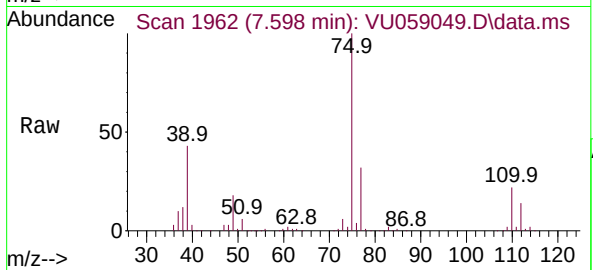




#39
 cis-1,3-Dichloropropene
 Concen: 109.181 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VU059049.D
 Acq: 29 May 2024 13:26

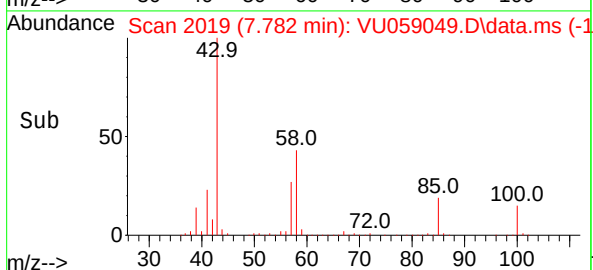
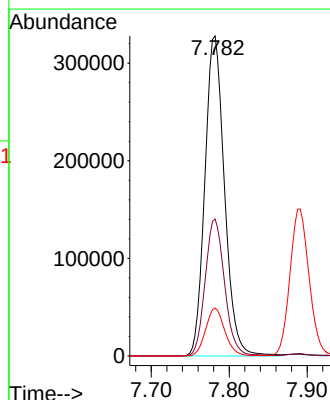
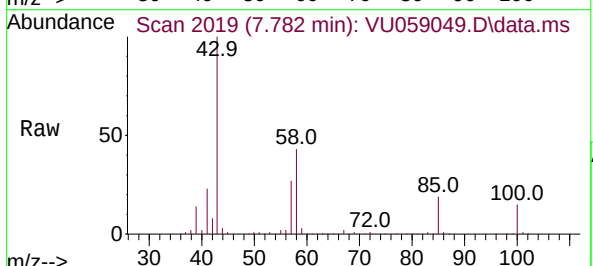
Instrument :
 MSVOA_U
 ClientSampleId :

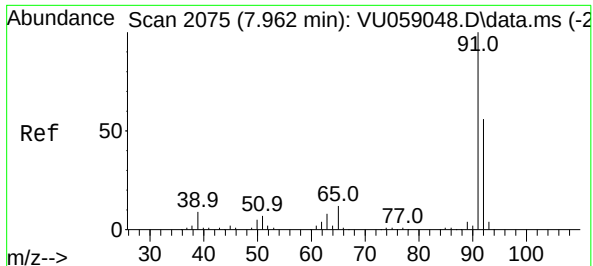
Tgt Ion: 75 Resp: 293264
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 212.228 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU059049.D
 Acq: 29 May 2024 13:26

Tgt Ion: 43 Resp: 574968
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.7 50.5
 100 14.6 11.4 17.0





#42

Toluene

Concen: 115.519 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

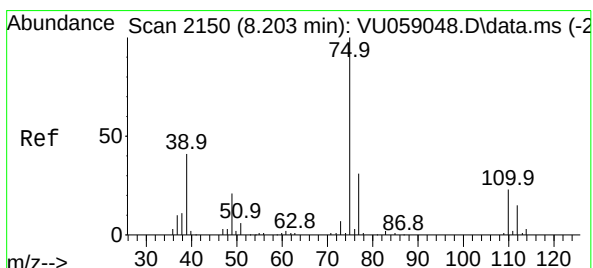
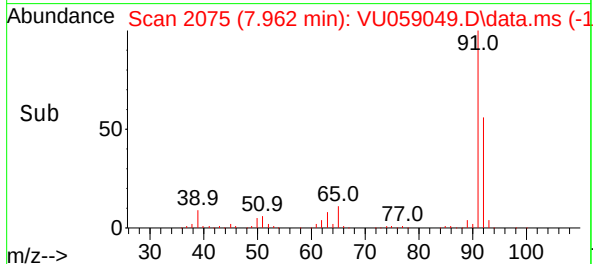
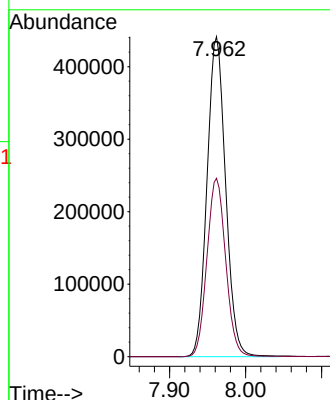
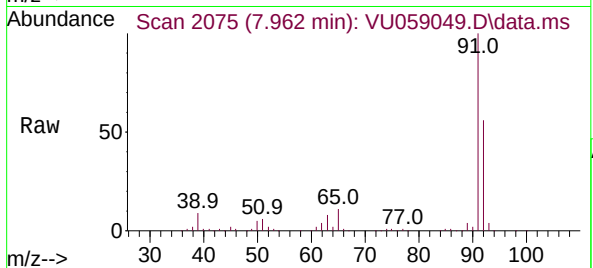
ClientSampleId :

Tgt Ion: 91 Resp: 748683

Ion Ratio Lower Upper

91 100

92 55.8 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 108.731 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU059049.D

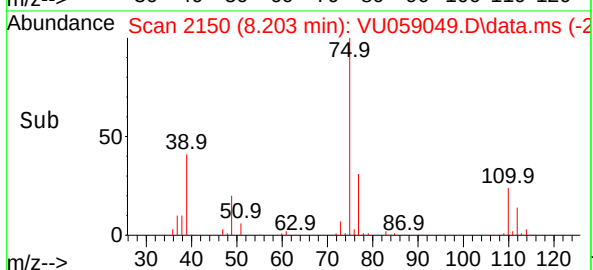
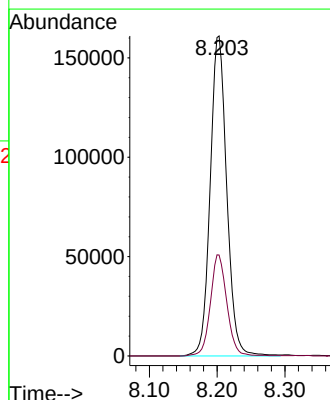
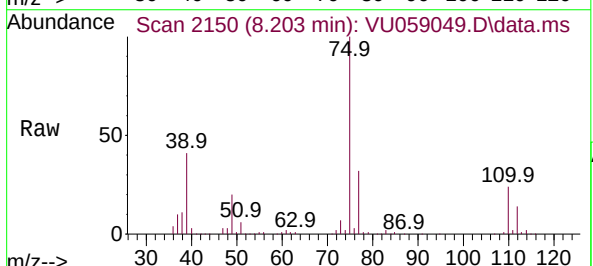
Acq: 29 May 2024 13:26

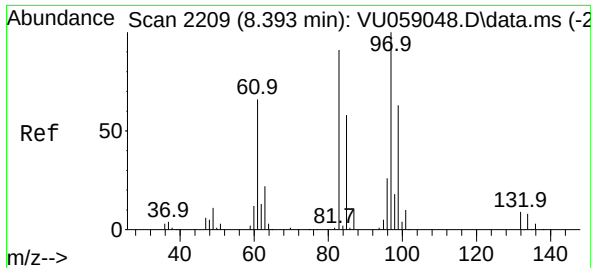
Tgt Ion: 75 Resp: 273385

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

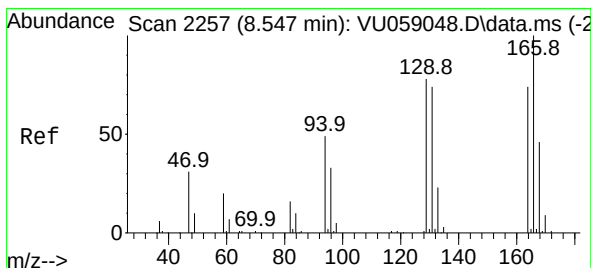
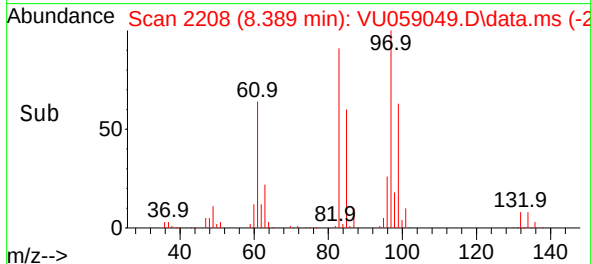
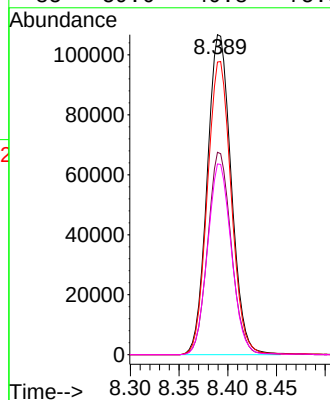
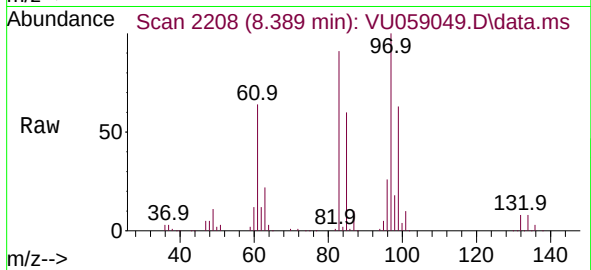




#45
1,1,2-Trichloroethane
Concen: 97.263 ug/L
RT: 8.389 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

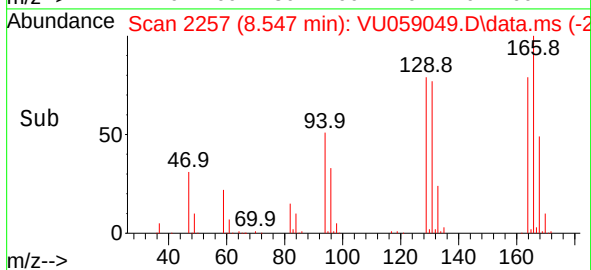
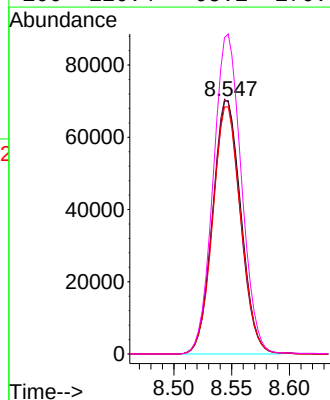
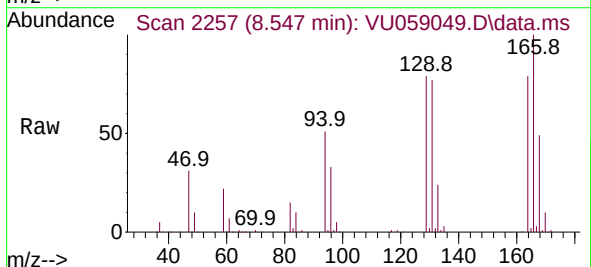
Instrument :
MSVOA_U
ClientSampleId :

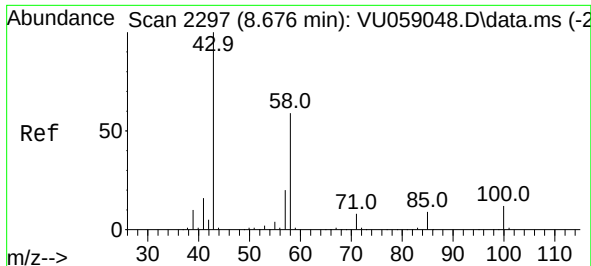
Tgt Ion:	97	Resp:	183451
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.0	81.6
83	91.4	63.6	118.2
85	59.6	40.8	75.8



#46
Tetrachloroethene
Concen: 111.562 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

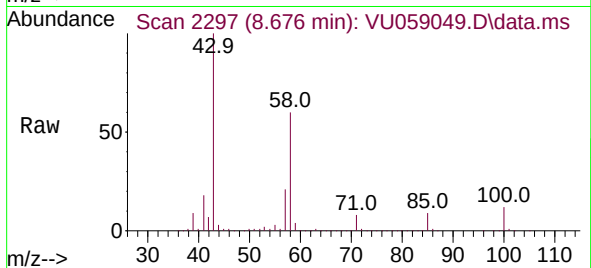
Tgt Ion:	164	Resp:	119065
Ion	Ratio	Lower	Upper
164	100		
129	99.4	74.5	138.5
131	97.5	70.6	131.0
166	126.4	95.1	176.7



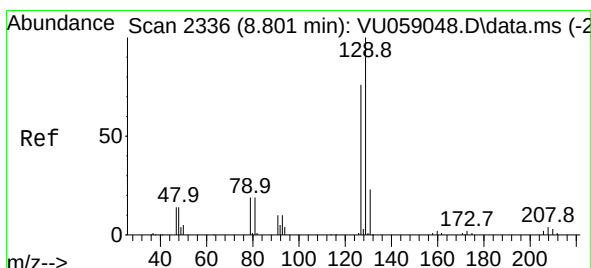
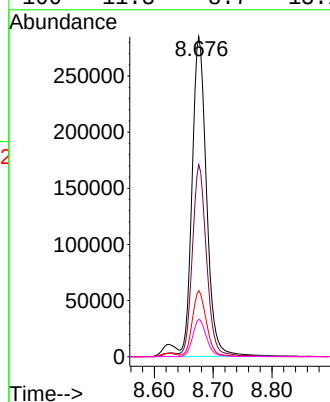
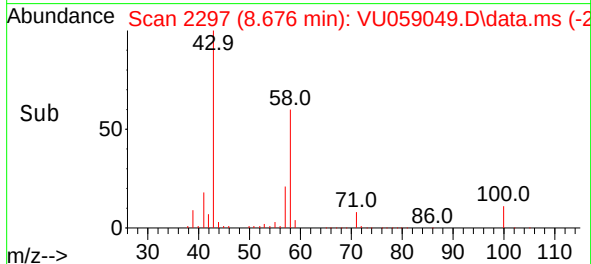


#48
2-Hexanone
Concen: 215.559 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

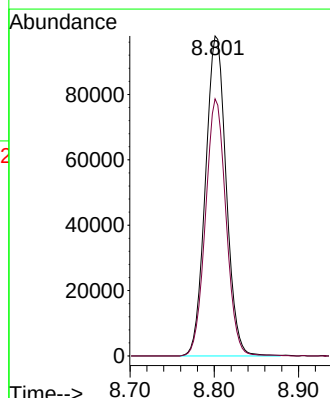
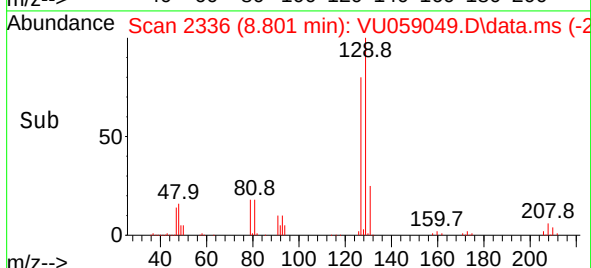
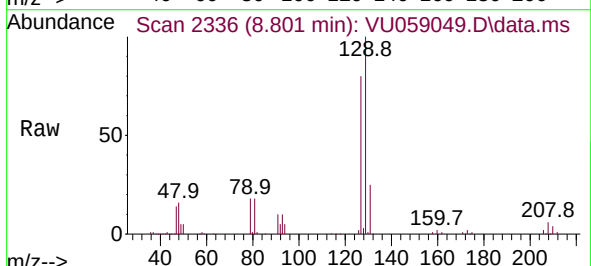


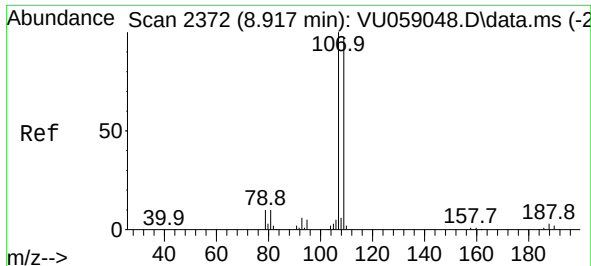
Tgt Ion: 43 Resp: 482951
Ion Ratio Lower Upper
43 100
58 58.3 45.9 68.9
57 20.1 16.3 24.5
100 11.3 8.7 13.1



#49
Dibromochloromethane
Concen: 93.835 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

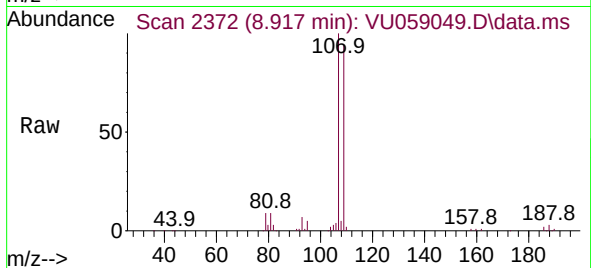
Tgt Ion: 129 Resp: 167721
Ion Ratio Lower Upper
129 100
127 80.4 53.3 98.9



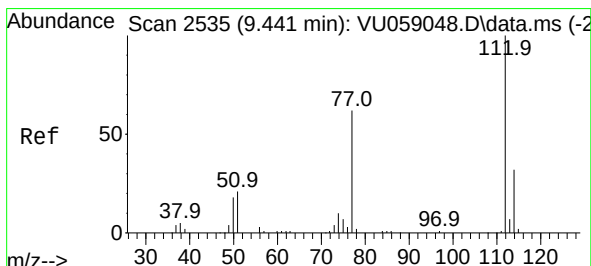
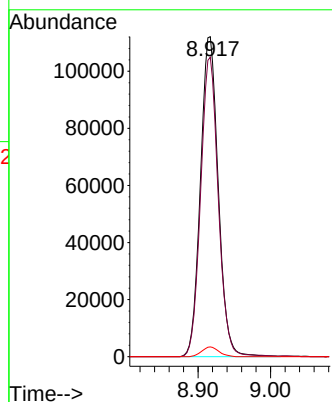
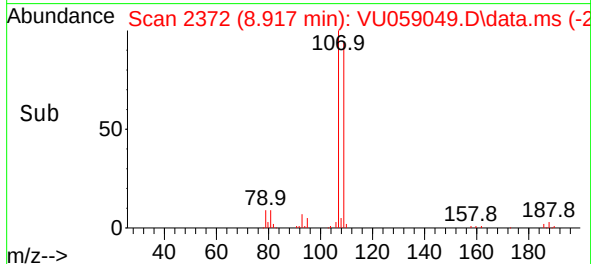


#50
1,2-Dibromoethane
Concen: 105.043 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

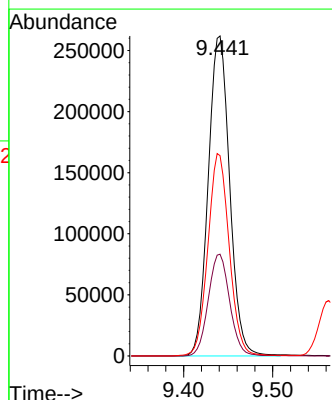
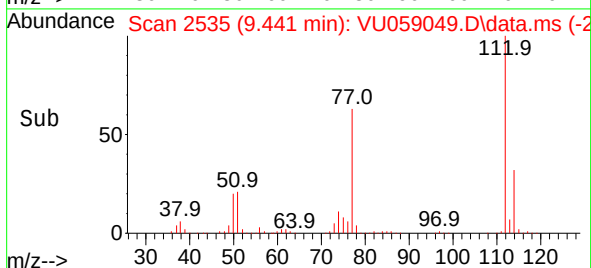
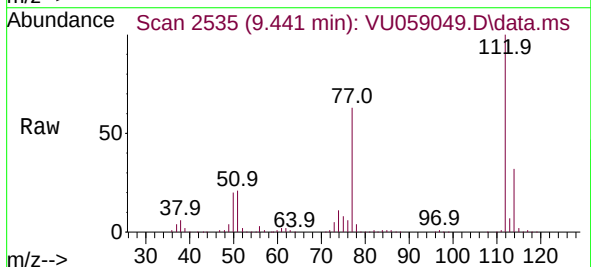


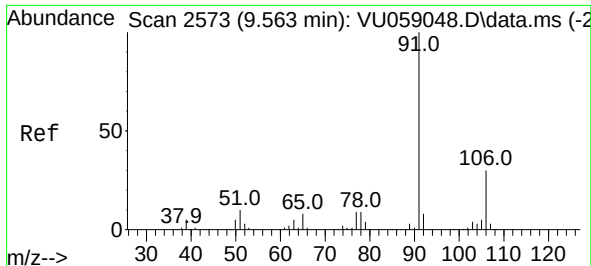
Tgt Ion:107 Resp: 191200
Ion Ratio Lower Upper
107 100
109 93.6 67.8 125.8
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 104.213 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion:112 Resp: 437315
Ion Ratio Lower Upper
112 100
114 31.8 22.1 41.1
77 62.6 49.8 74.6

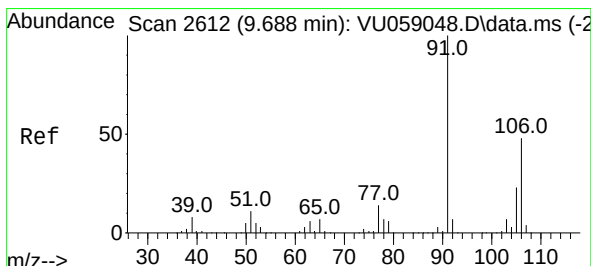
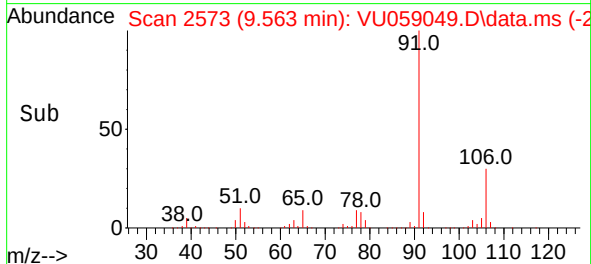
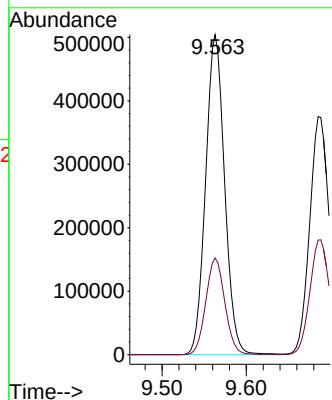
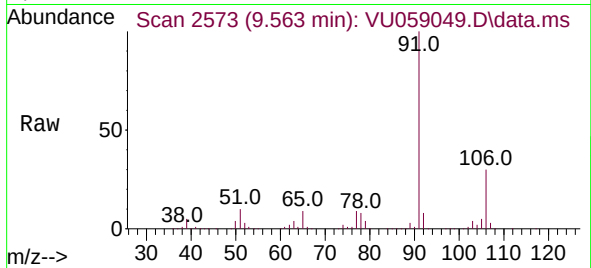




#52
Ethylbenzene
Concen: 113.693 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

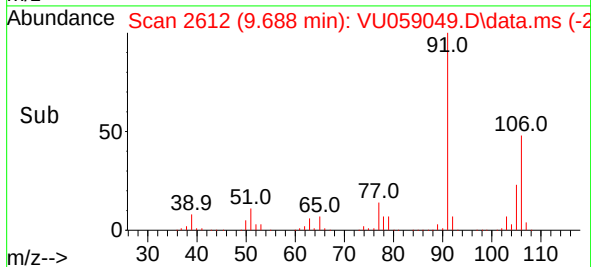
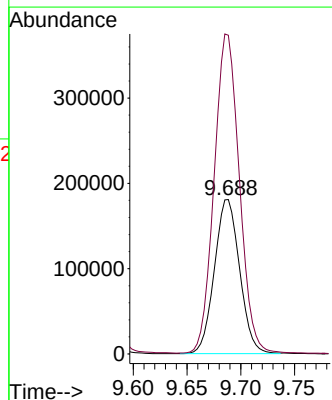
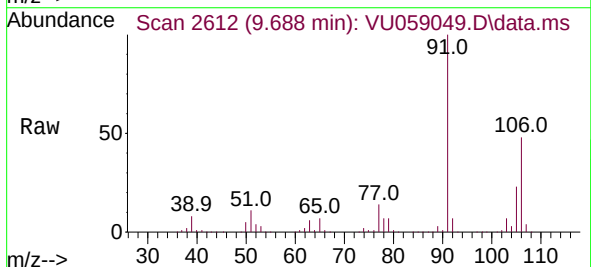
Instrument :
MSVOA_U
ClientSampleId :

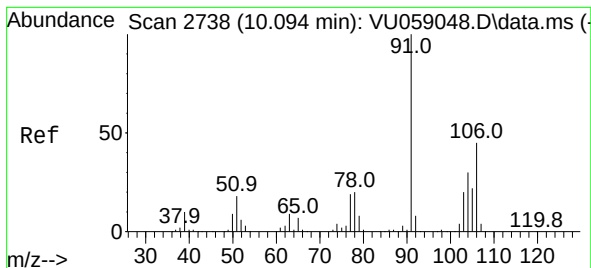
Tgt Ion: 91 Resp: 791775
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0



#53
m,p-Xylene
Concen: 117.290 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion:106 Resp: 294953
Ion Ratio Lower Upper
106 100
91 206.4 146.4 272.0





#54

o-Xylene

Concen: 115.859 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

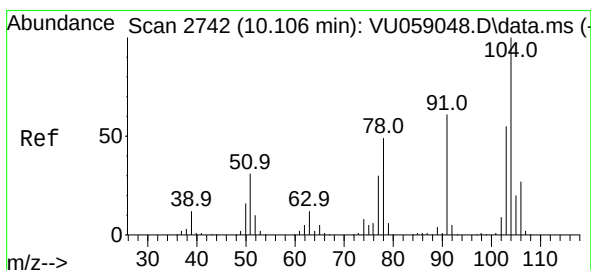
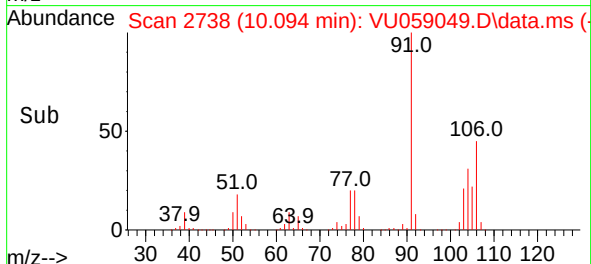
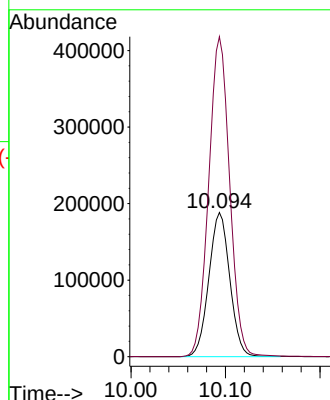
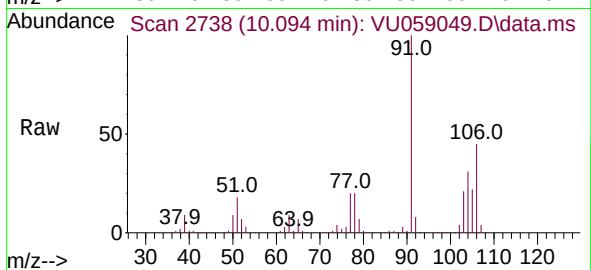
ClientSampleId :

Tgt Ion:106 Resp: 289734

Ion Ratio Lower Upper

106 100

91 222.0 156.7 290.9



#55

Styrene

Concen: 114.712 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU059049.D

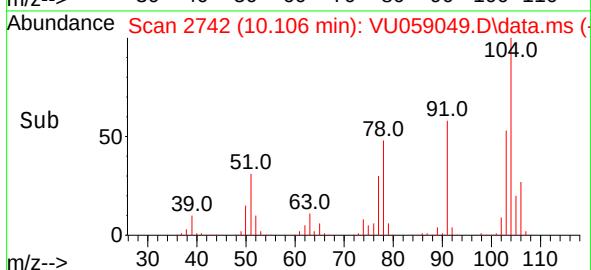
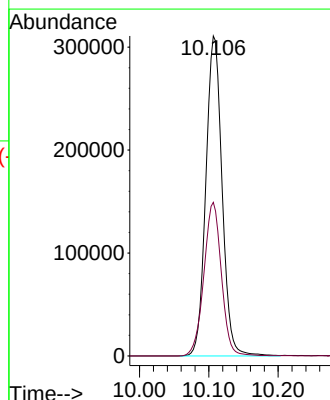
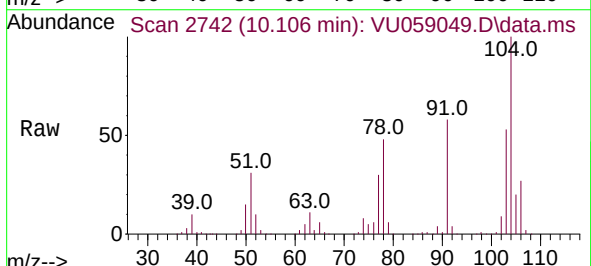
Acq: 29 May 2024 13:26

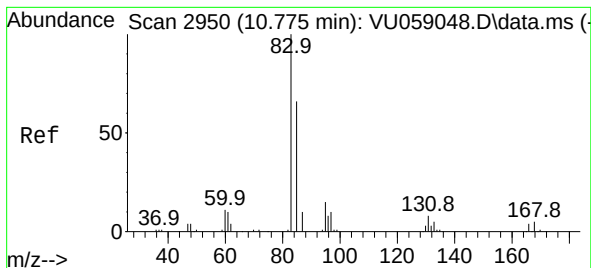
Tgt Ion:104 Resp: 505102

Ion Ratio Lower Upper

104 100

78 48.0 34.7 64.5

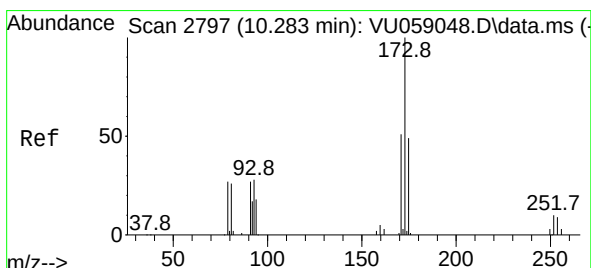
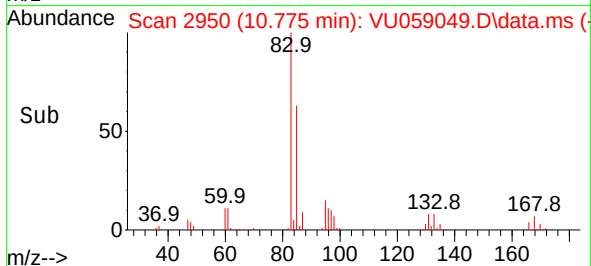
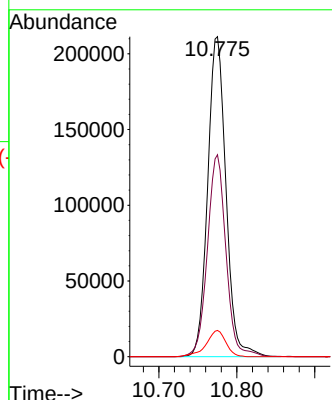
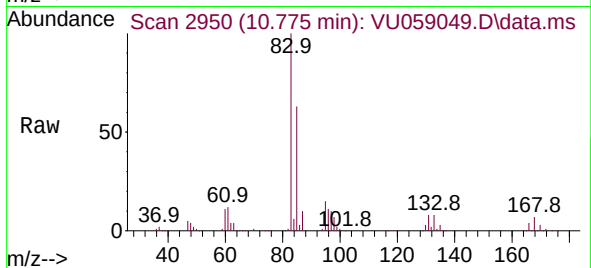




#57
1,1,2,2-Tetrachloroethane
Concen: 102.119 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

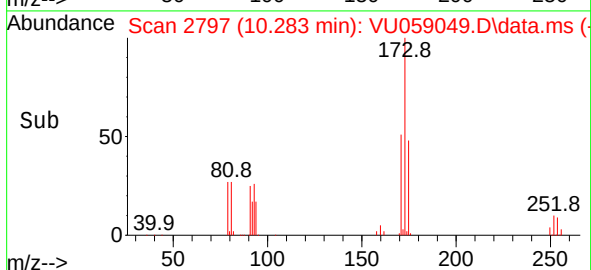
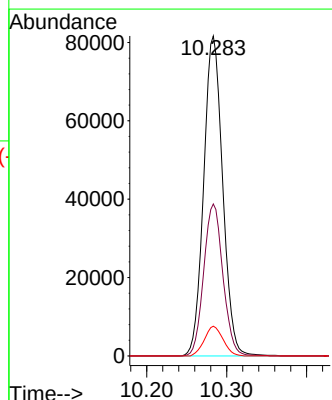
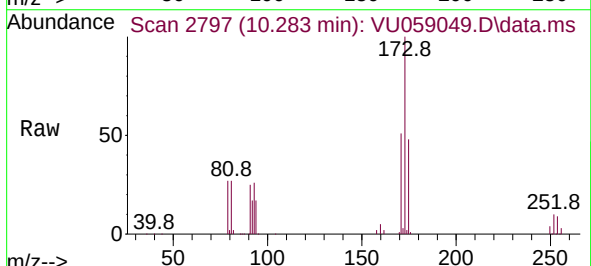
Instrument :
MSVOA_U
ClientSampleId :

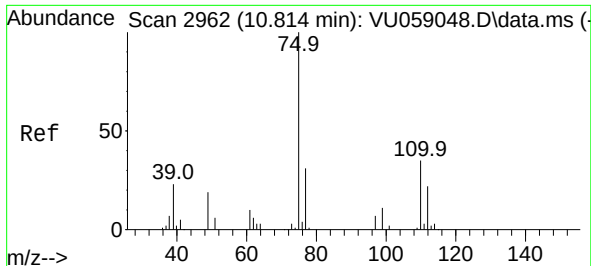
Tgt Ion: 83 Resp: 345037
Ion Ratio Lower Upper
83 100
85 63.1 46.1 85.7
131 8.2 7.0 10.4



#59
Bromoform
Concen: 100.308 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion:173 Resp: 135116
Ion Ratio Lower Upper
173 100
175 47.9 39.0 58.6
254 9.2 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 102.063 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

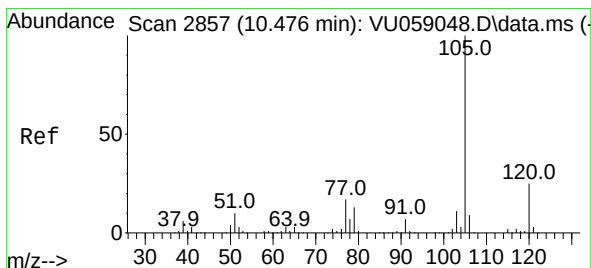
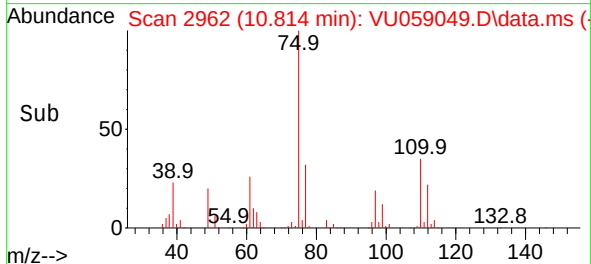
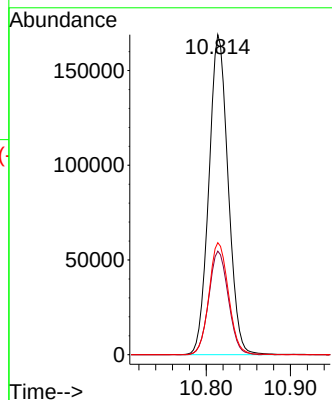
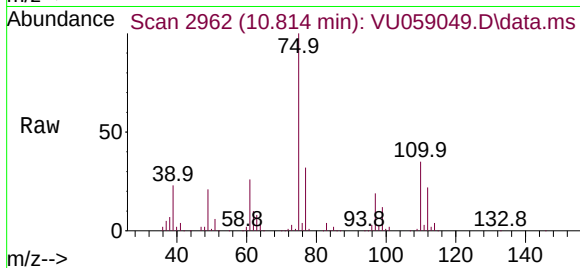
Tgt Ion: 75 Resp: 268374

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

110 35.3 28.4 42.6



#61

Isopropylbenzene

Concen: 114.034 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

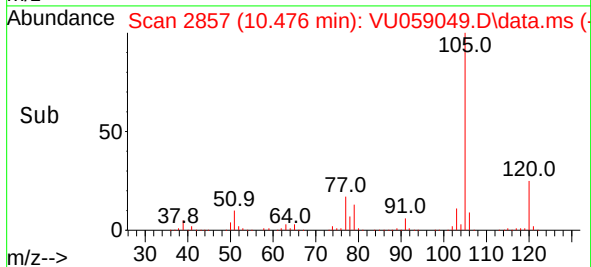
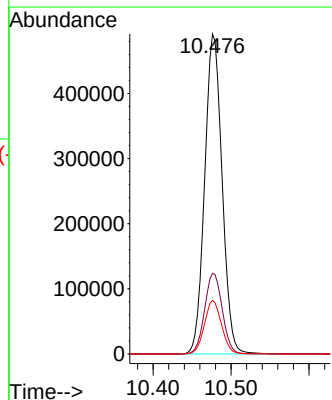
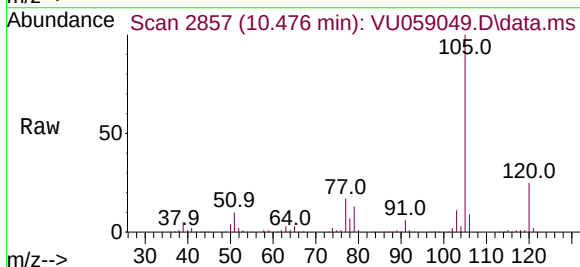
Tgt Ion:105 Resp: 761636

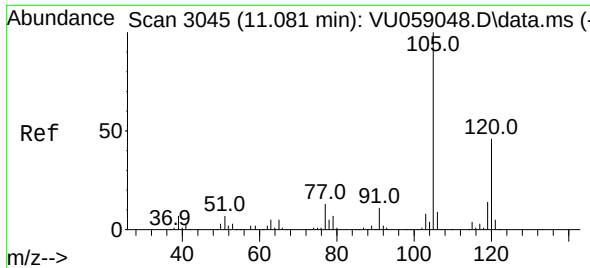
Ion Ratio Lower Upper

105 100

120 25.5 20.3 30.5

77 16.4 13.4 20.0

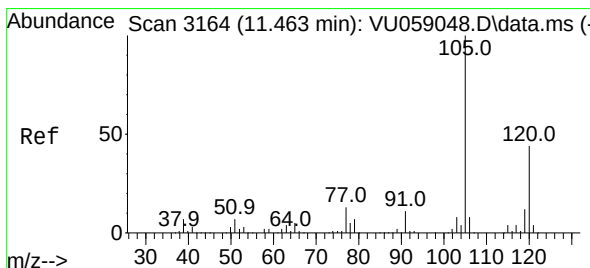
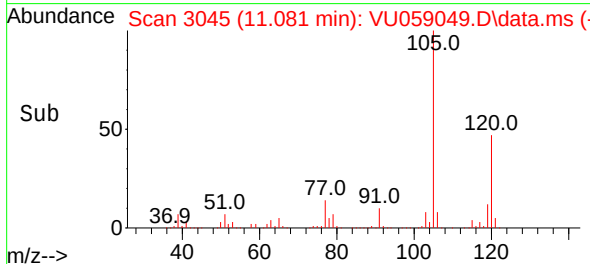
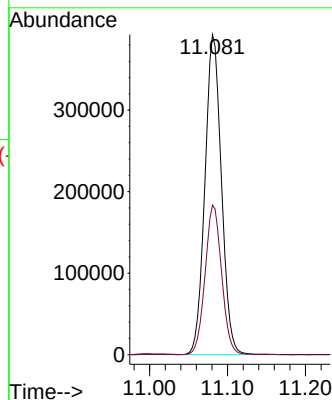
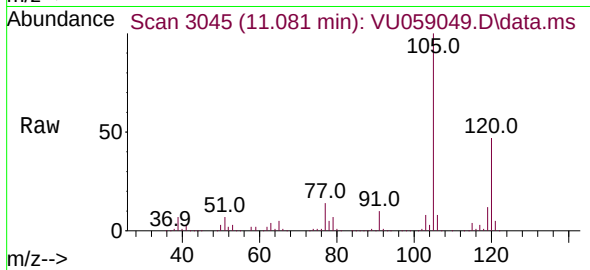




#62
1,3,5-Trimethylbenzene
Concen: 111.671 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

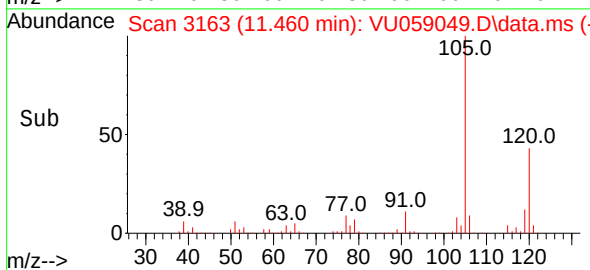
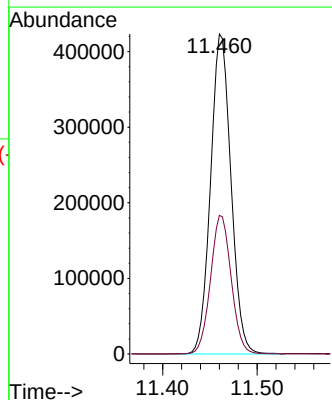
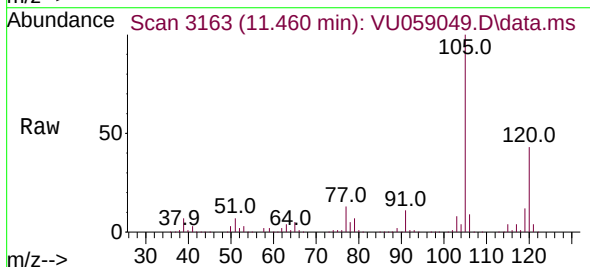
Instrument :
MSVOA_U
ClientSampleId :

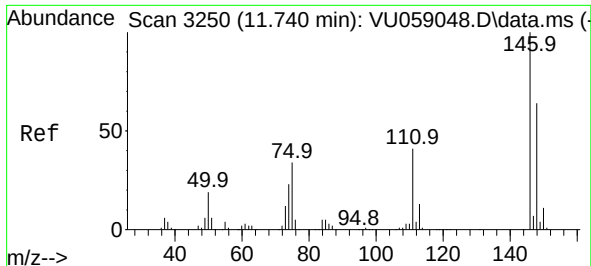
Tgt Ion:105 Resp: 575978
Ion Ratio Lower Upper
105 100
120 46.9 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 119.682 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

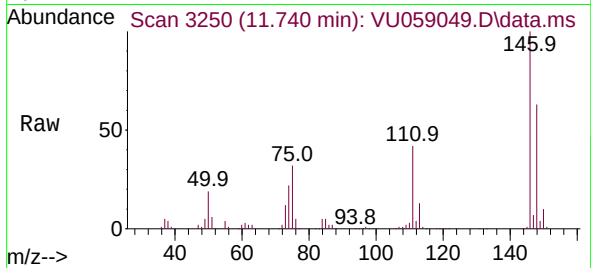
Tgt Ion:105 Resp: 635595
Ion Ratio Lower Upper
105 100
120 43.8 35.0 52.6



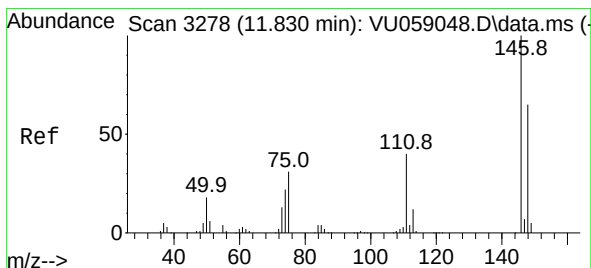
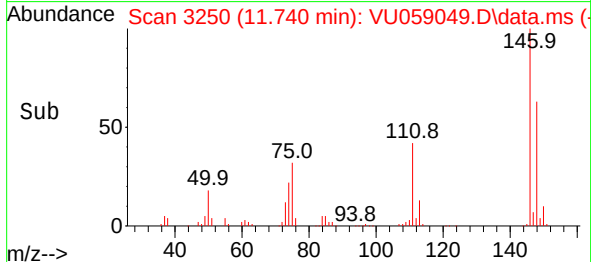
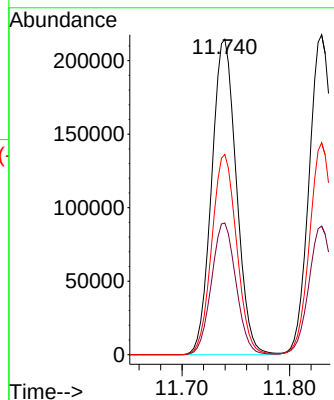


#64
1,3-Dichlorobenzene
Concen: 100.997 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

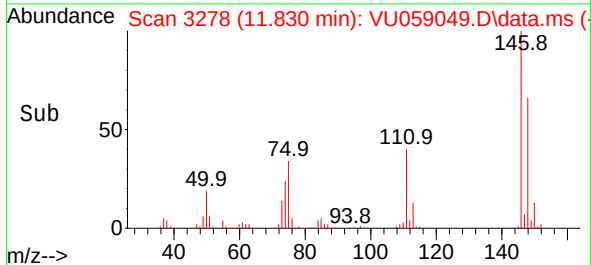
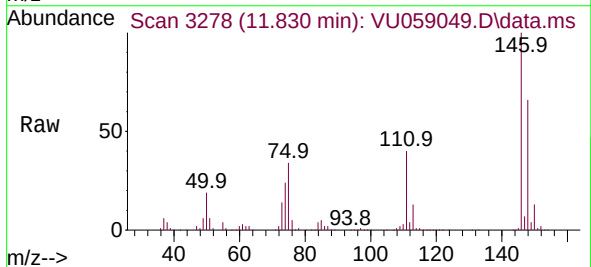
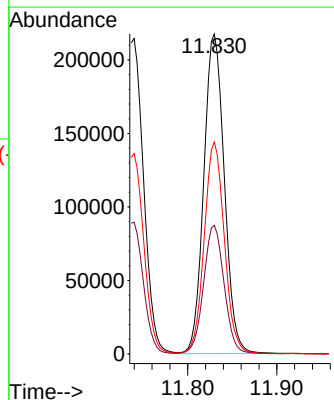


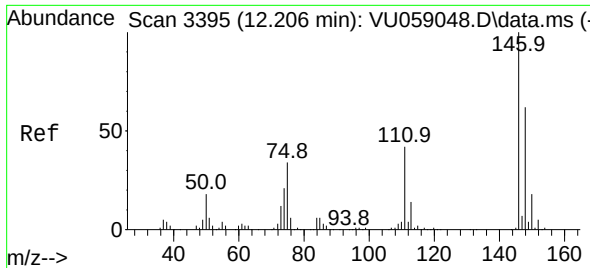
Tgt Ion:146 Resp: 343080
Ion Ratio Lower Upper
146 100
111 41.7 28.7 53.3
148 63.5 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 101.209 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU059049.D
Acq: 29 May 2024 13:26

Tgt Ion:146 Resp: 347017
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.9
148 66.2 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 102.874 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

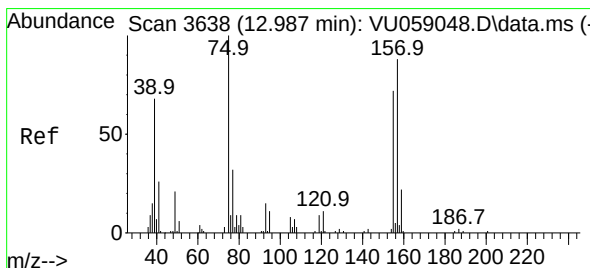
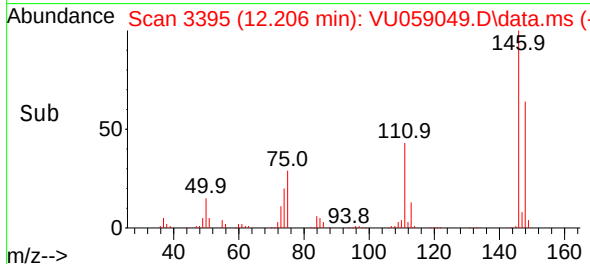
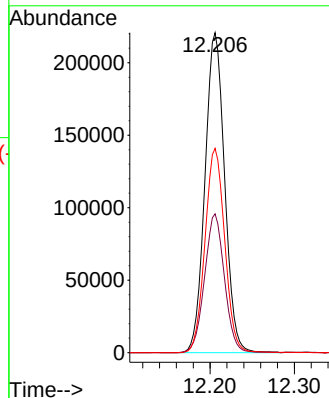
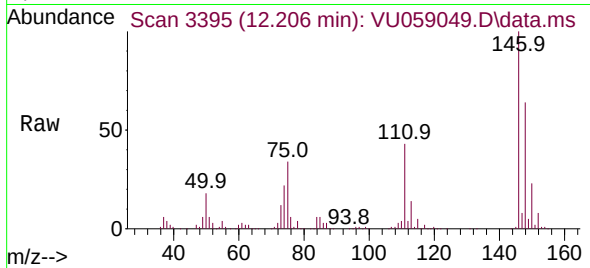
Tgt Ion:146 Resp: 358556

Ion Ratio Lower Upper

146 100

111 43.4 33.4 50.2

148 63.9 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 108.334 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

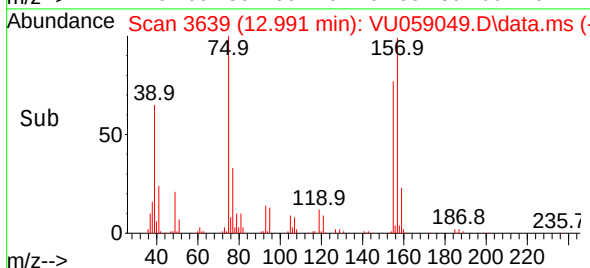
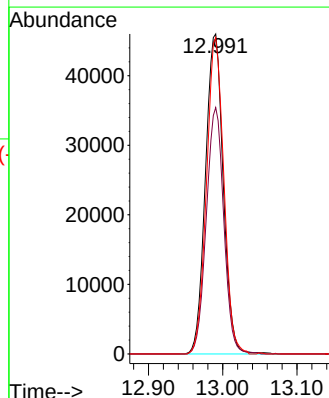
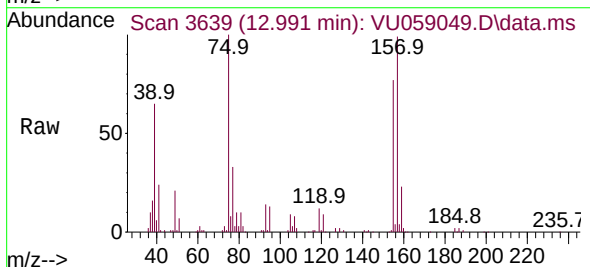
Tgt Ion: 75 Resp: 76396

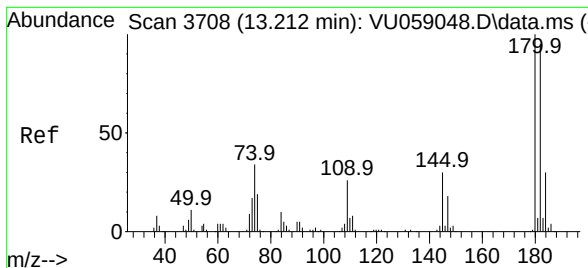
Ion Ratio Lower Upper

75 100

155 80.8 57.5 86.3

157 103.1 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 99.081 ug/L

RT: 13.212 min Scan# 3

Delta R.T. -0.000 min

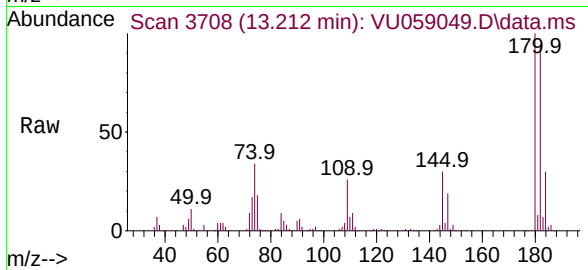
Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 234656

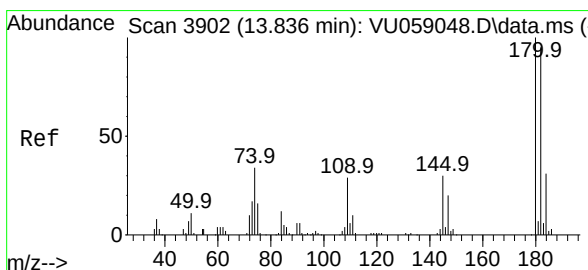
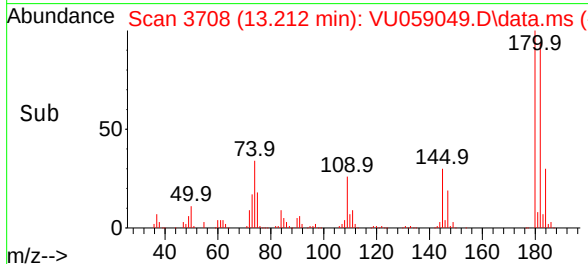
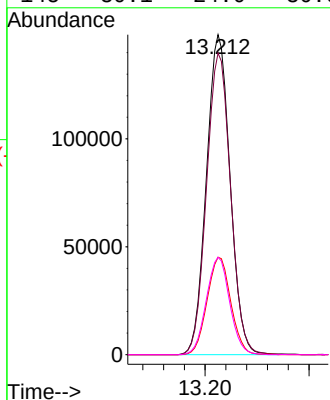
Ion Ratio Lower Upper

180 100

182 95.6 75.6 113.4

184 30.4 24.2 36.2

145 30.1 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 101.504 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

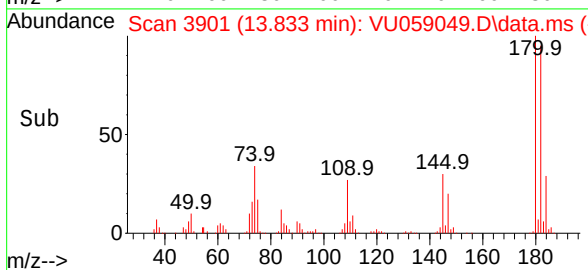
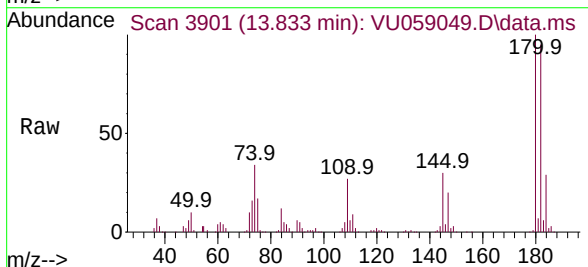
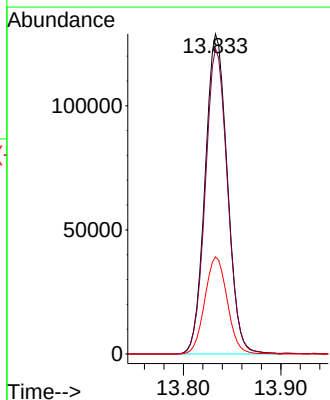
Tgt Ion:180 Resp: 204283

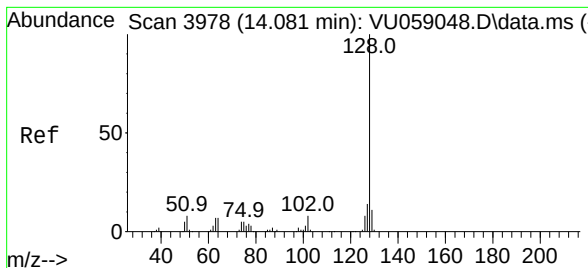
Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

145 30.6 24.8 37.2





#71

Naphthalene

Concen: 113.668 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

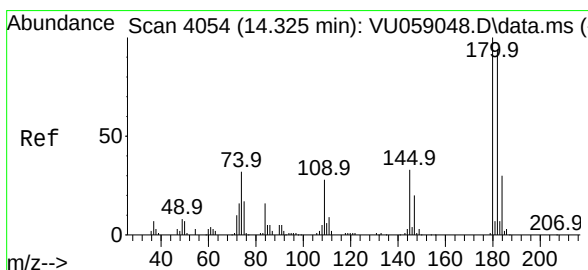
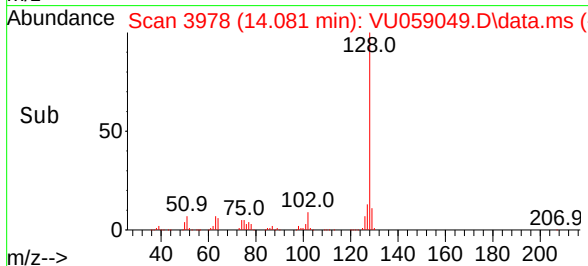
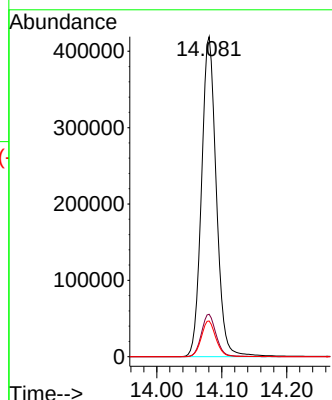
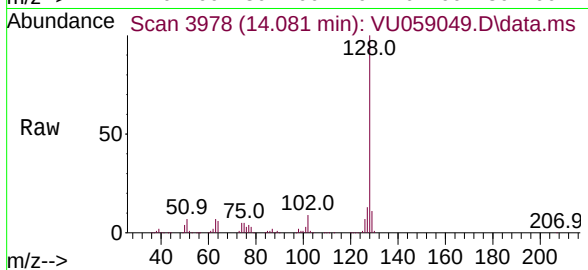
Tgt Ion:128 Resp: 665616

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 100.308 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU059049.D

Acq: 29 May 2024 13:26

Tgt Ion:180 Resp: 206146

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

145 32.8 26.4 39.6

