

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053024\
 Data File : VU059099.D
 Acq On : 30 May 2024 17:07
 Operator : MD/SY
 Sample : P2586-06MEMS
 Misc : 4.18g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 31 03:23:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	212701	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	219197	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117482	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	61857	48.571	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.140%
7) Chloroethane-d5	1.872	69	52182	47.833	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.660%
11) 1,1-Dichloroethene-d2	2.544	63	122194	48.610	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.220%
21) 2-Butanone-d5	4.618	46	117881	98.203	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.200%
24) Chloroform-d	5.052	84	129056	50.905	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.800%
26) 1,2-Dichloroethane-d4	5.689	65	83740	53.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.780%
32) Benzene-d6	5.714	84	250045	49.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.682	67	84402	48.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.320%
41) Toluene-d8	7.891	98	218870	51.248	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.500%
43) trans-1,3-Dichloroprop...	8.174	79	38378	54.734	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.460%
47) 2-Hexanone-d5	8.637	63	78547	97.921	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.920%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	144029	49.060	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.120%
66) 1,2-Dichlorobenzene-d4	12.190	152	86614	49.403	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.377	85	93163	43.228	ug/L	99
3) Chloromethane	1.515	50	110823	44.494	ug/L	99
5) Vinyl chloride	1.599	62	108859	44.478	ug/L	99
6) Bromomethane	1.824	94	83295	42.540	ug/L	97
8) Chloroethane	1.891	64	61545	40.325	ug/L	99
9) Trichlorofluoromethane	2.097	101	124958	43.875	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	71235	42.989	ug/L	97
12) 1,1-Dichloroethene	2.557	96	70611	46.982	ug/L	96
13) Acetone	2.624	43	110583	78.375	ug/L	99
14) Carbon disulfide	2.769	76	228072	45.059	ug/L	99
15) Methyl Acetate	2.940	43	118087	52.836	ug/L	96
16) Methylene chloride	3.030	84	91919	45.201	ug/L	95
17) trans-1,2-Dichloroethene	3.335	96	74778	46.098	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	248183	47.100	ug/L	100
19) 1,1-Dichloroethane	3.849	63	160560	46.177	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	85668	46.344	ug/L	97
22) 2-Butanone	4.698	43	149841	87.718	ug/L	98
23) Bromochloromethane	4.962	128	43054	45.981	ug/L	97
25) Chloroform	5.074	83	160389	47.638	ug/L	97

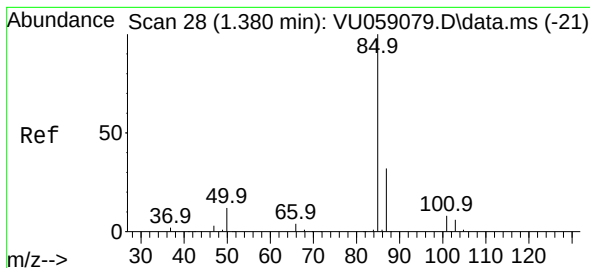
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053024\
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 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	133476	46.929	ug/L	99
29) Cyclohexane	5.374	56	123312	42.138	ug/L	99
30) 1,1,1-Trichloroethane	5.300	97	122360	42.933	ug/L	98
31) Carbon tetrachloride	5.512	117	96967	41.887	ug/L	99
33) Benzene	5.763	78	351483	44.407	ug/L	100
34) Trichloroethene	6.531	95	86934	44.856	ug/L	99
35) Methylcyclohexane	6.753	83	122692	43.056	ug/L	99
37) 1,2-Dichloropropane	6.779	63	99548	44.292	ug/L	100
38) Bromodichloromethane	7.097	83	114015	43.550	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	142279	45.753	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	283343	96.161	ug/L	100
42) Toluene	7.962	91	363377	45.737	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	133433	47.396	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	93736	46.386	ug/L	99
46) Tetrachloroethene	8.544	164	56659	43.890	ug/L	95
48) 2-Hexanone	8.685	43	234564	94.389	ug/L	97
49) Dibromochloromethane	8.804	129	82983	45.439	ug/L	98
50) 1,2-Dibromoethane	8.917	107	96575	46.330	ug/L	97
51) Chlorobenzene	9.441	112	220135	45.907	ug/L	98
52) Ethylbenzene	9.566	91	381498	46.576	ug/L	99
53) m,p-Xylene	9.688	106	142836	47.449	ug/L	99
54) o-Xylene	10.097	106	140028	47.997	ug/L	99
55) Styrene	10.110	104	251712	50.759	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	175514	47.679	ug/L	97
59) Bromoform	10.287	173	64923	42.148	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	137528	42.096	ug/L	99
61) Isopropylbenzene	10.479	105	359067	43.443	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	266440	44.492	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	298289	45.949	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	175517	45.436	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	183706	46.047	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	178870	44.302	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	35490	42.850	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	113849	44.626	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	89700	44.022	ug/L	99
71) Naphthalene	14.081	128	243443	37.745	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	90566	43.718	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 43.228 ug/L

RT: 1.377 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

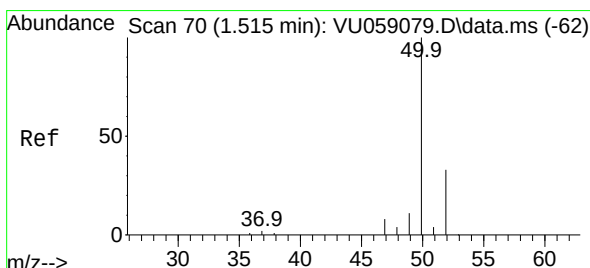
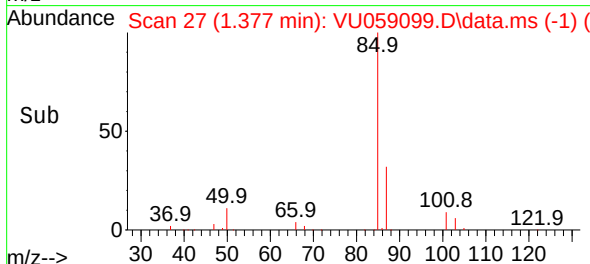
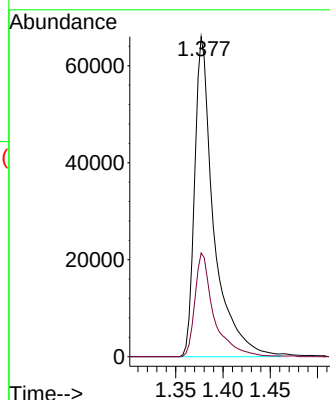
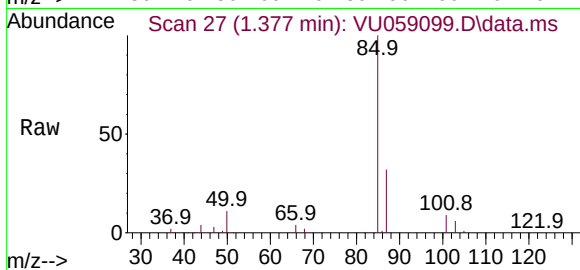
ClientSampleId :

Tgt Ion: 85 Resp: 93163

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



#3

Chloromethane

Concen: 44.494 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU059099.D

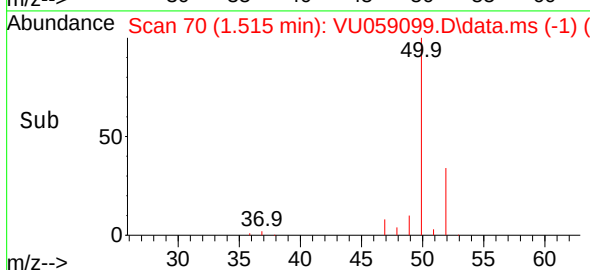
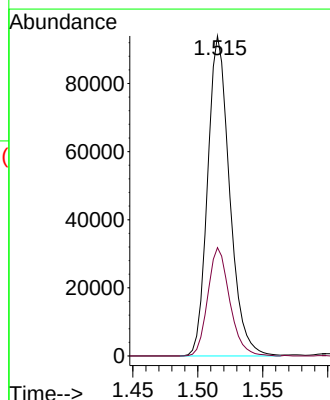
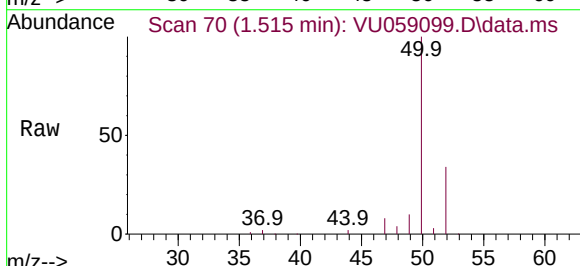
Acq: 30 May 2024 17:07

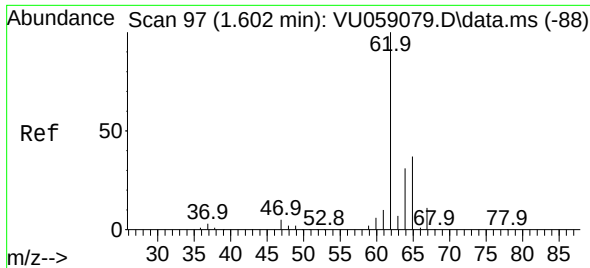
Tgt Ion: 50 Resp: 110823

Ion Ratio Lower Upper

50 100

52 33.9 23.2 43.2

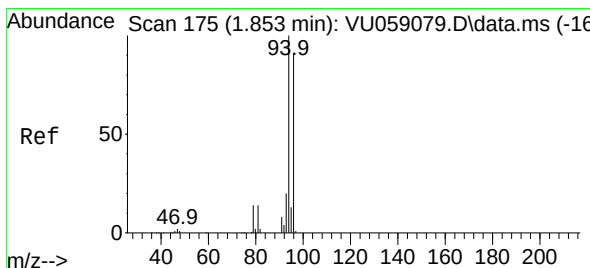
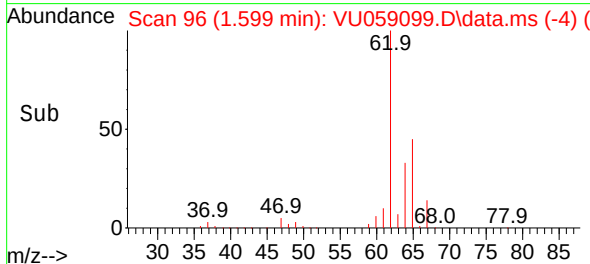
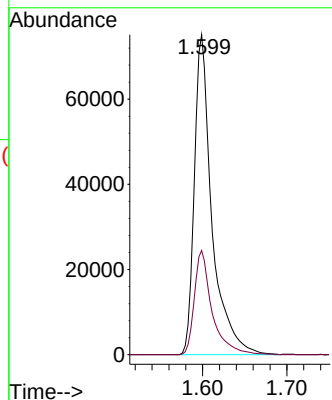
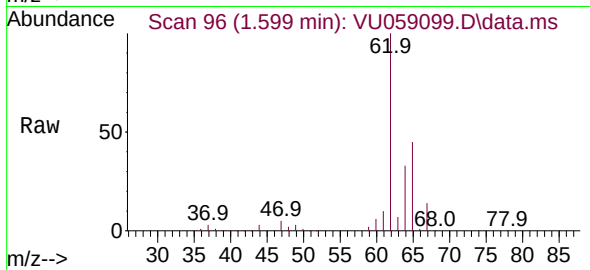




#5
 Vinyl chloride
 Concen: 44.478 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU059099.D
 Acq: 30 May 2024 17:07

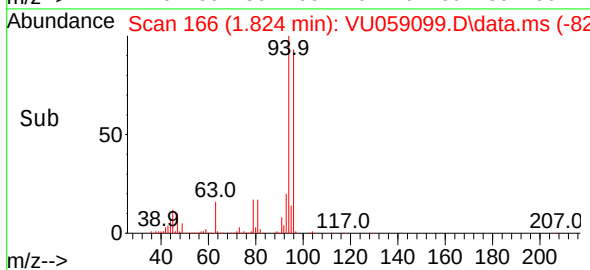
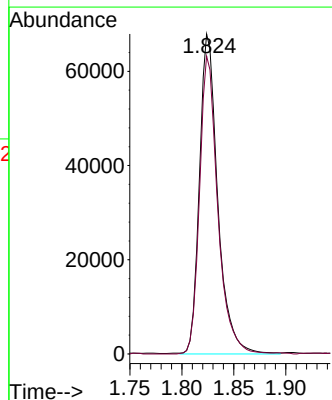
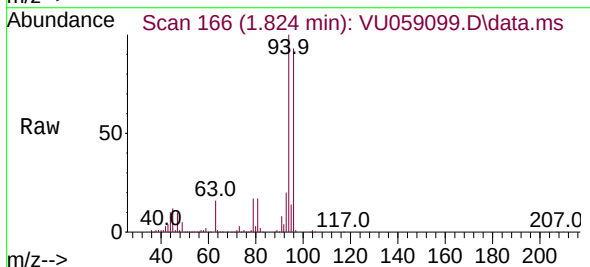
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 MSVOA_U
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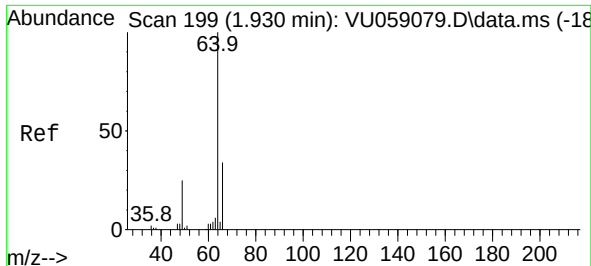
Tgt Ion: 62 Resp: 108859
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.5 41.7



#6
 Bromomethane
 Concen: 42.540 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. -0.029 min
 Lab File: VU059099.D
 Acq: 30 May 2024 17:07

Tgt Ion: 94 Resp: 83295
 Ion Ratio Lower Upper
 94 100
 96 93.1 67.1 124.7





#8

Chloroethane

Concen: 40.325 ug/L

RT: 1.891 min Scan# 11

Delta R.T. -0.038 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

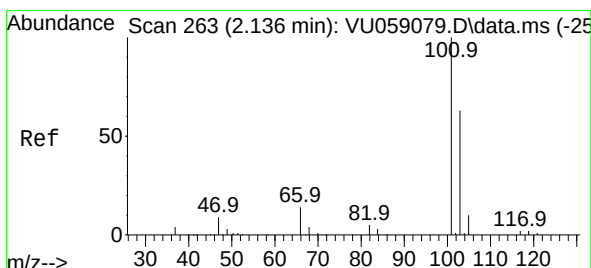
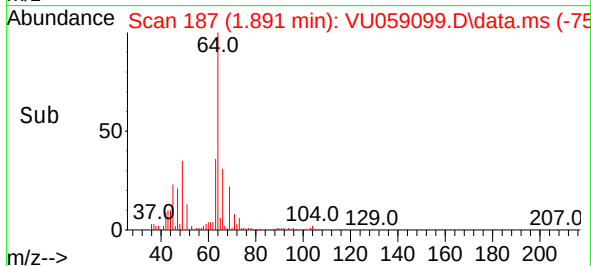
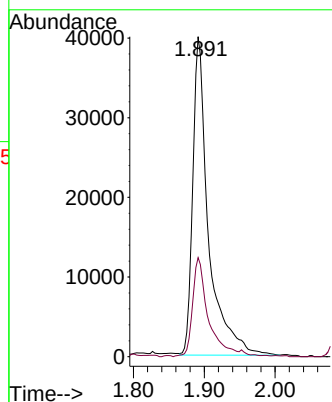
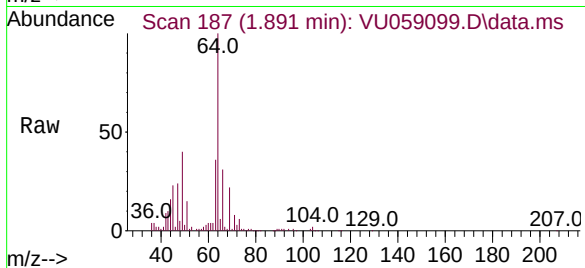
ClientSampleId :

Tgt Ion: 64 Resp: 61545

Ion Ratio Lower Upper

64 100

66 31.0 22.1 41.1



#9

Trichlorofluoromethane

Concen: 43.875 ug/L

RT: 2.097 min Scan# 251

Delta R.T. -0.038 min

Lab File: VU059099.D

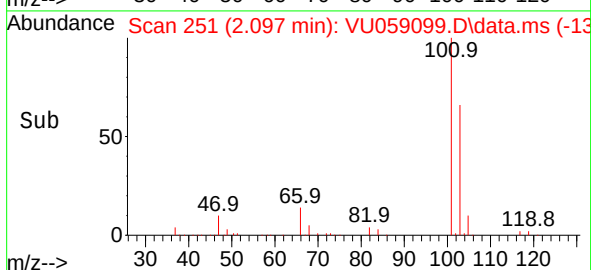
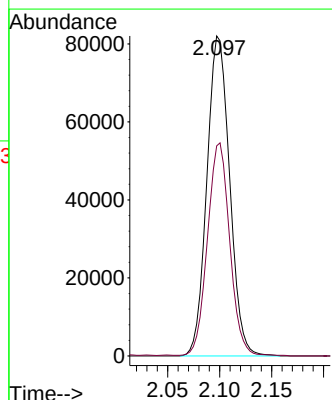
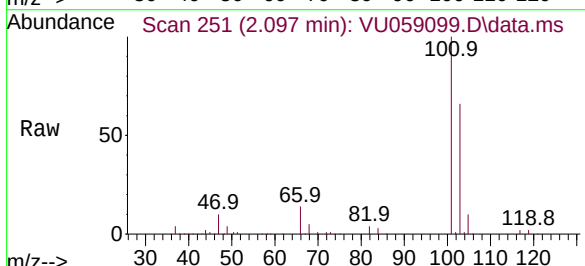
Acq: 30 May 2024 17:07

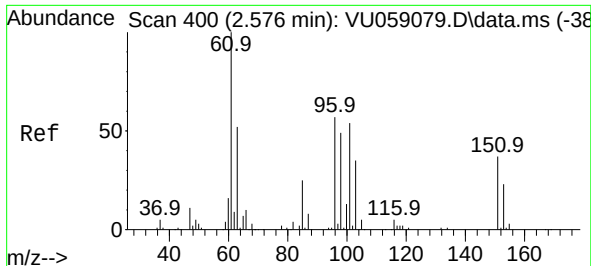
Tgt Ion:101 Resp: 124958

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.6

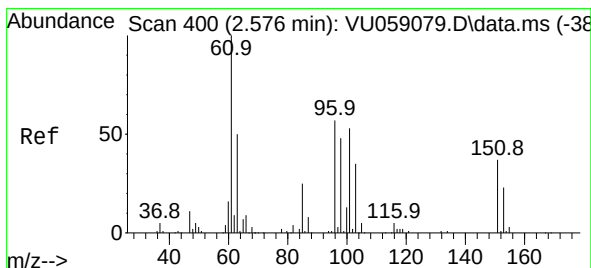
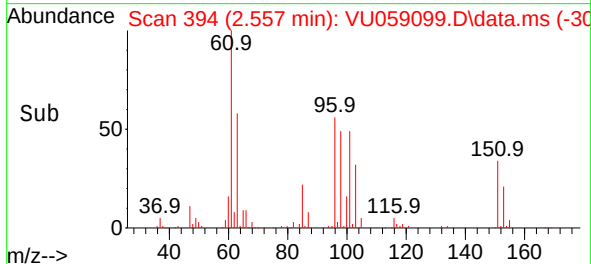
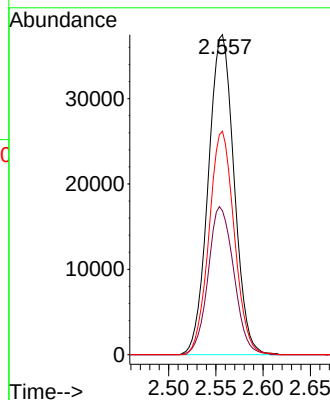
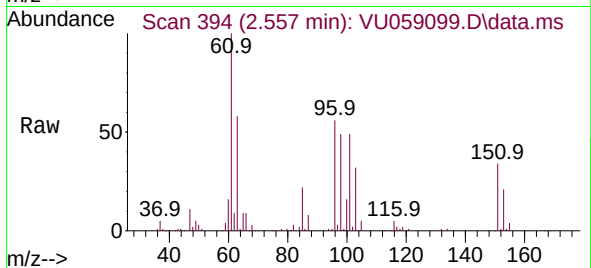




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.989 ug/L
RT: 2.557 min Scan# 394
Delta R.T. -0.019 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

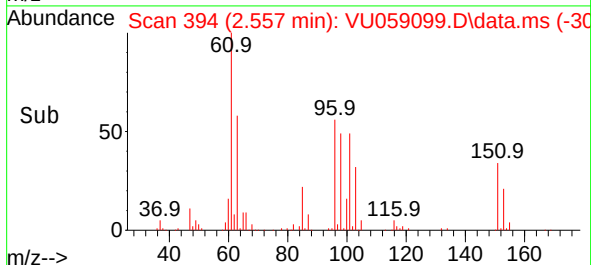
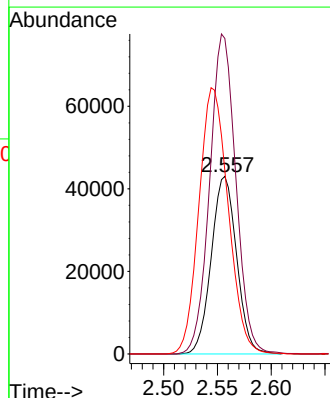
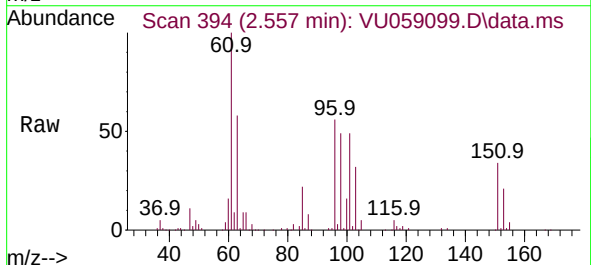
Instrument :
MSVOA_U
ClientSampleId :

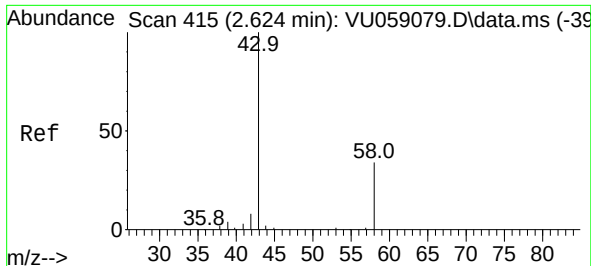
Tgt Ion:101 Resp: 71235
Ion Ratio Lower Upper
101 100
85 46.0 36.7 55.1
151 68.5 52.2 78.2



#12
1,1-Dichloroethene
Concen: 46.982 ug/L
RT: 2.557 min Scan# 394
Delta R.T. -0.019 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion: 96 Resp: 70611
Ion Ratio Lower Upper
96 100
61 177.7 126.3 234.6
63 103.3 78.7 146.1





#13

Acetone

Concen: 78.375 ug/L

RT: 2.624 min Scan# 415

Delta R.T. 0.000 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

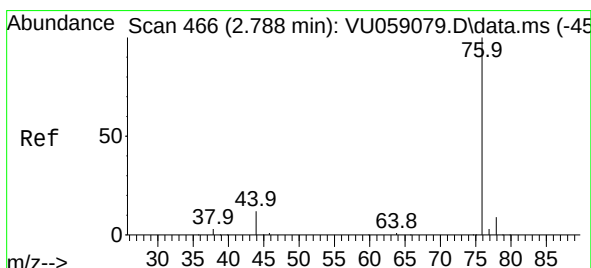
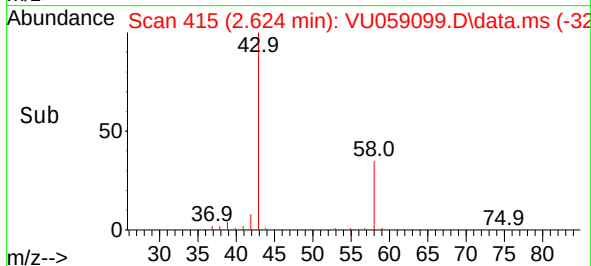
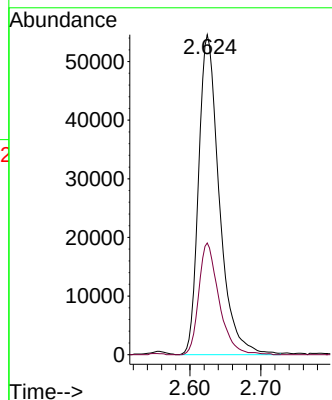
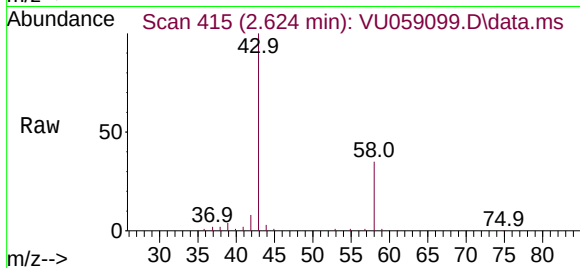
ClientSampleId :

Tgt Ion: 43 Resp: 110583

Ion Ratio Lower Upper

43 100

58 33.8 0.0 68.8



#14

Carbon disulfide

Concen: 45.059 ug/L

RT: 2.769 min Scan# 460

Delta R.T. -0.019 min

Lab File: VU059099.D

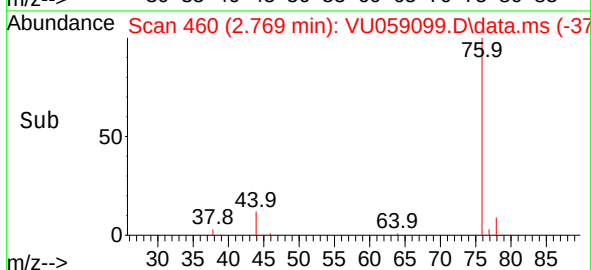
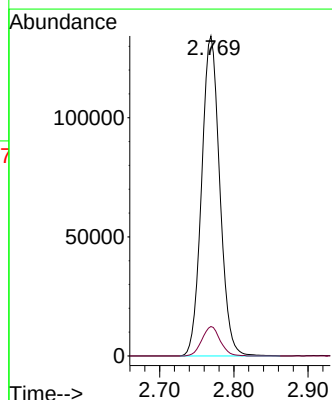
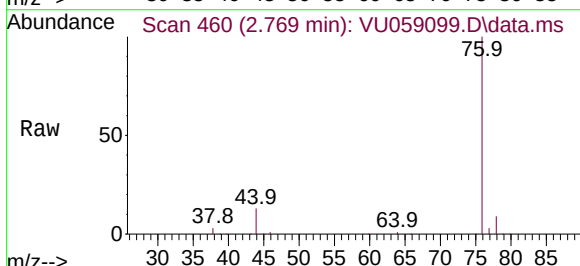
Acq: 30 May 2024 17:07

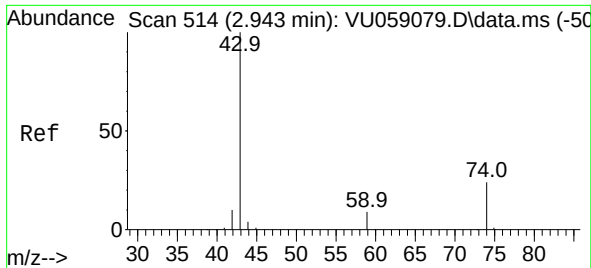
Tgt Ion: 76 Resp: 228072

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

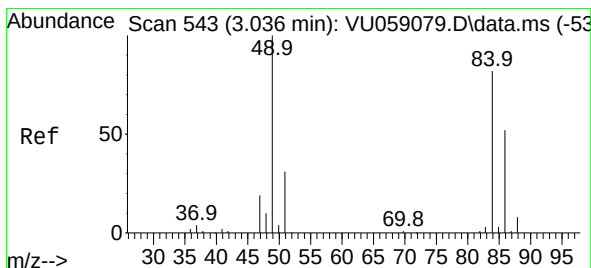
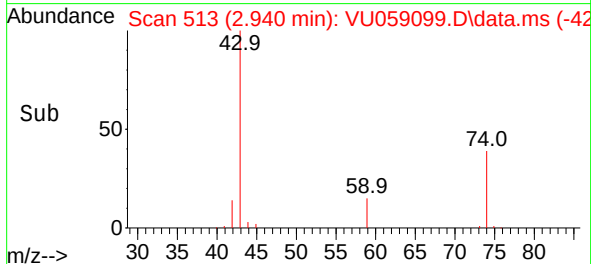
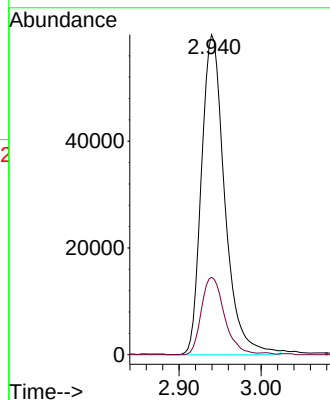
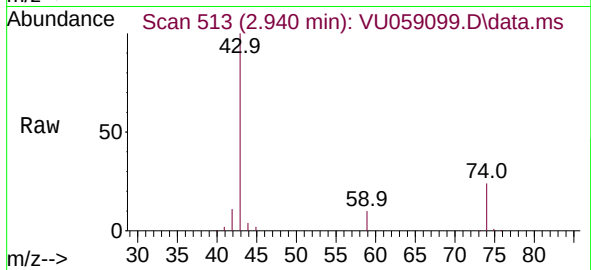




#15
Methyl Acetate
Concen: 52.836 ug/L
RT: 2.940 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

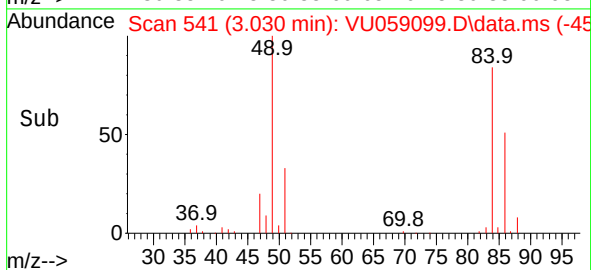
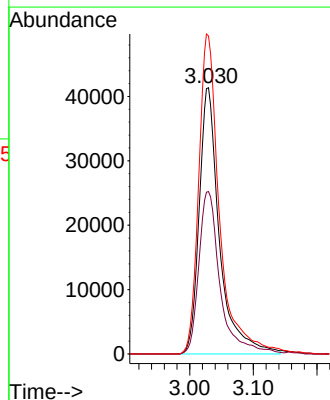
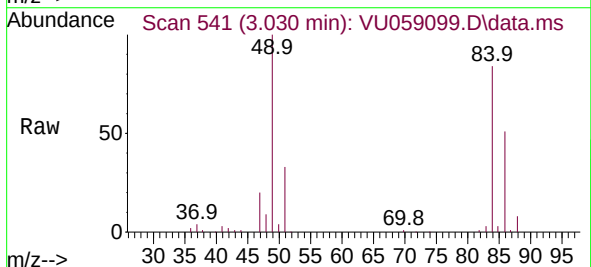
Instrument :
MSVOA_U
ClientSampleId :

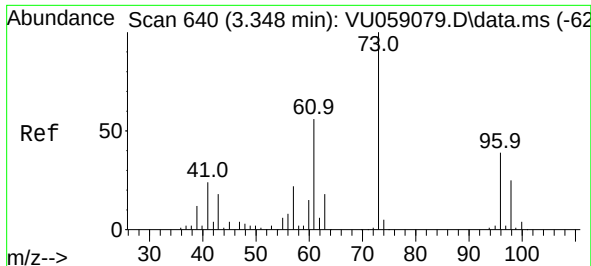
Tgt Ion: 43 Resp: 118087
Ion Ratio Lower Upper
43 100
74 23.9 20.8 31.2



#16
Methylene chloride
Concen: 45.201 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.006 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion: 84 Resp: 91919
Ion Ratio Lower Upper
84 100
86 61.0 44.9 83.3
49 119.4 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 46.098 ug/L

RT: 3.335 min Scan# 640

Delta R.T. -0.013 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

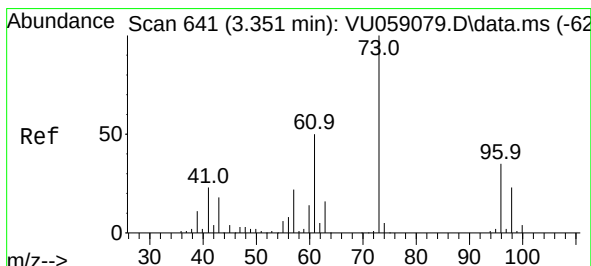
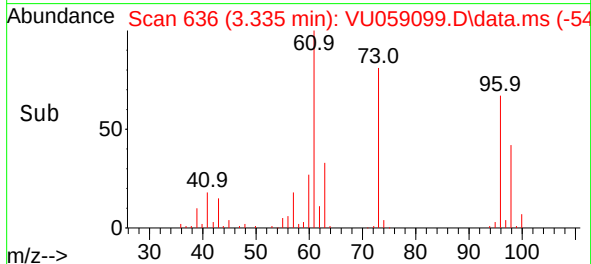
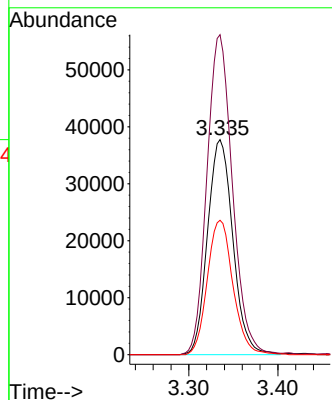
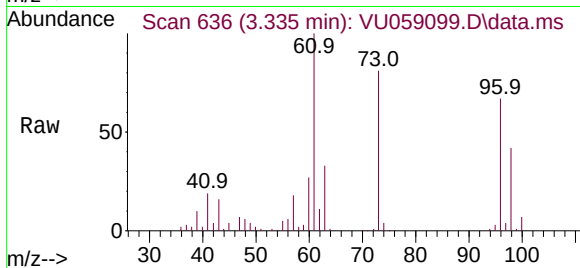
Tgt Ion: 96 Resp: 74778

Ion Ratio Lower Upper

96 100

61 148.8 103.5 192.3

98 62.5 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 47.100 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

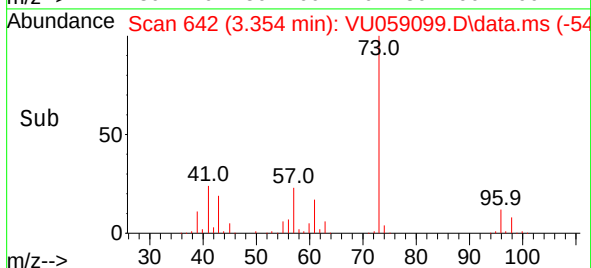
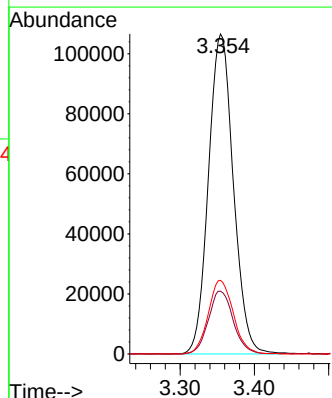
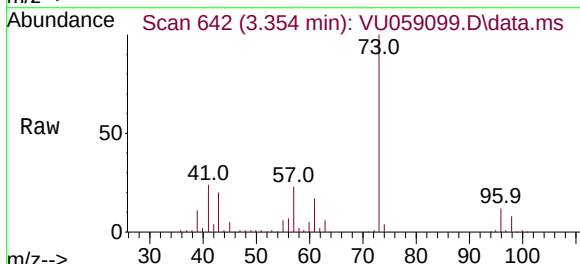
Tgt Ion: 73 Resp: 248183

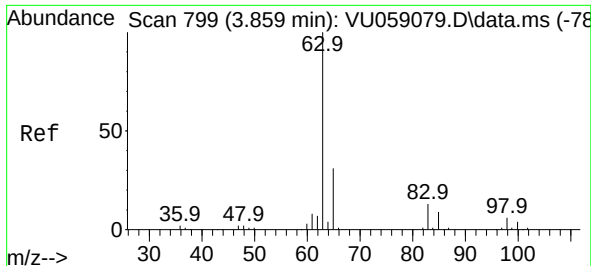
Ion Ratio Lower Upper

73 100

43 19.6 15.6 23.4

57 23.2 18.6 28.0





#19

1,1-Dichloroethane

Concen: 46.177 ug/L

RT: 3.849 min Scan# 799

Delta R.T. -0.010 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

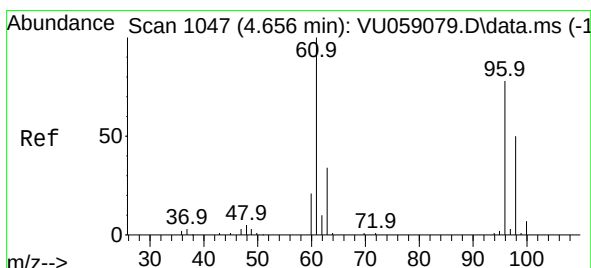
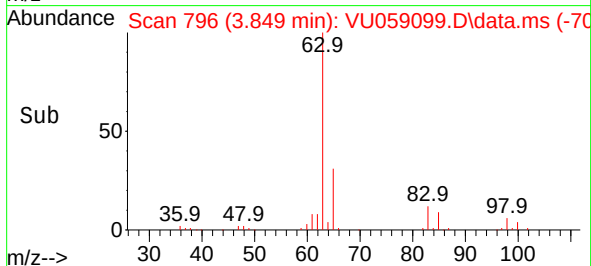
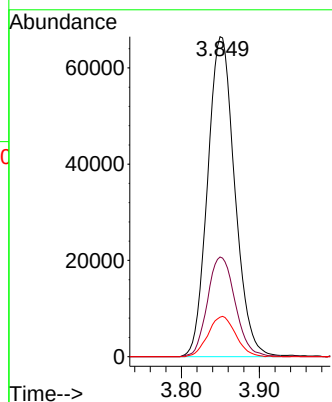
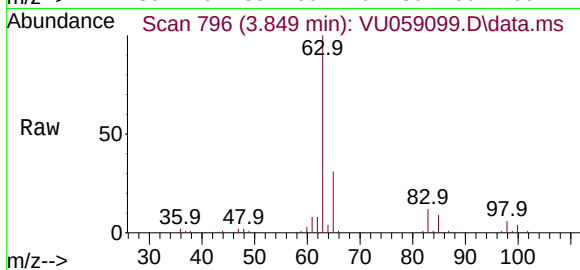
Tgt Ion: 63 Resp: 160560

Ion Ratio Lower Upper

63 100

65 31.2 21.3 39.5

83 12.4 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 46.344 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.006 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

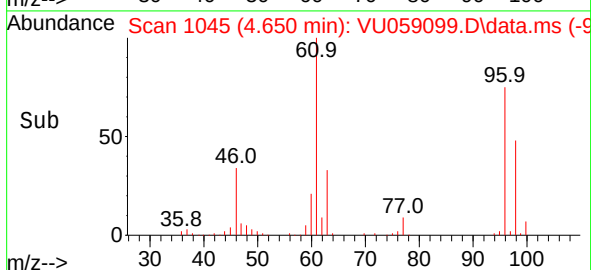
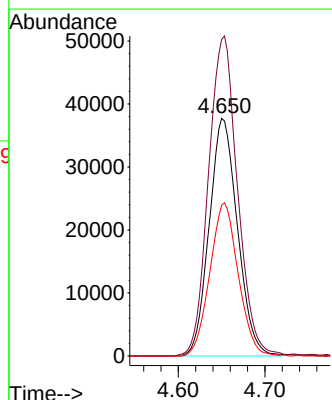
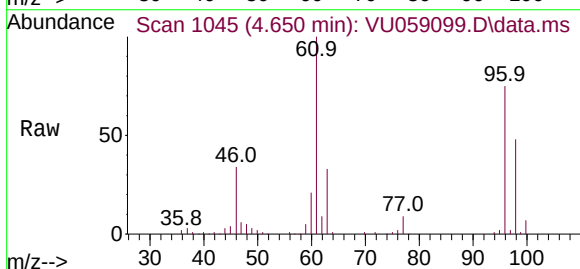
Tgt Ion: 96 Resp: 85668

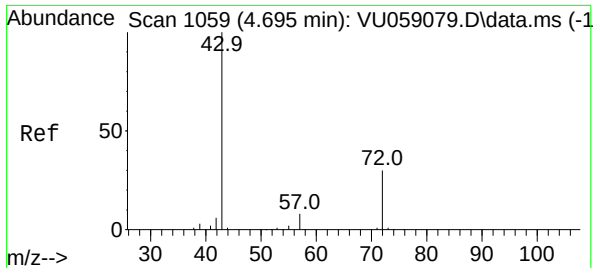
Ion Ratio Lower Upper

96 100

61 133.3 96.2 178.6

98 63.5 45.6 84.6

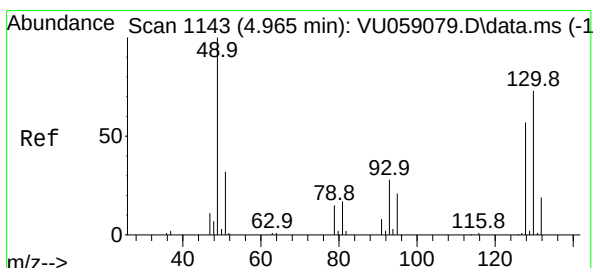
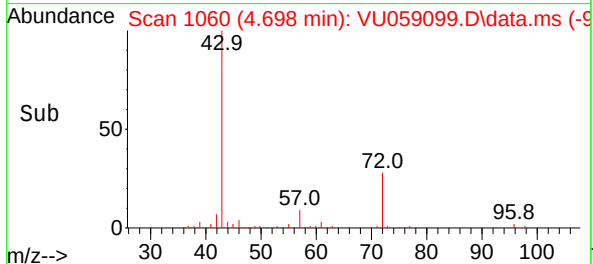
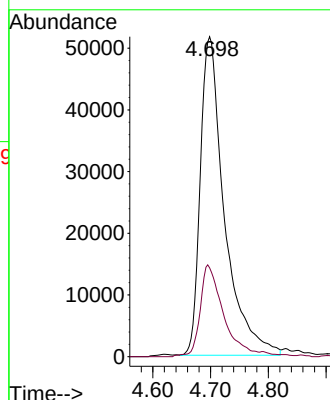
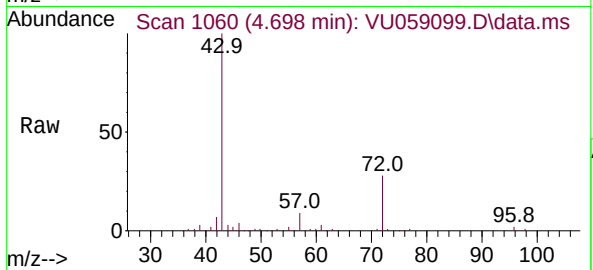




#22
2-Butanone
Concen: 87.718 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

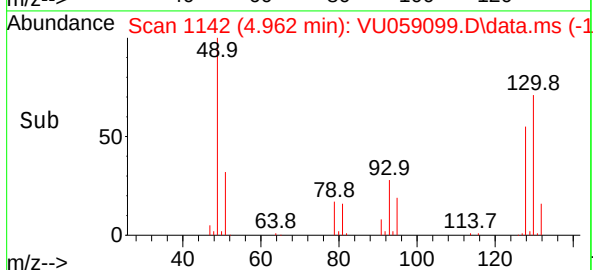
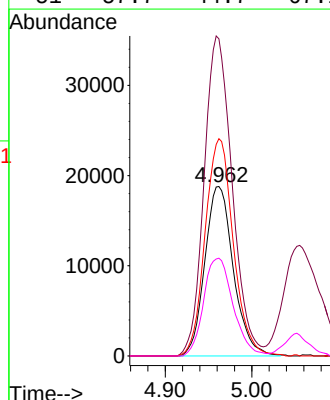
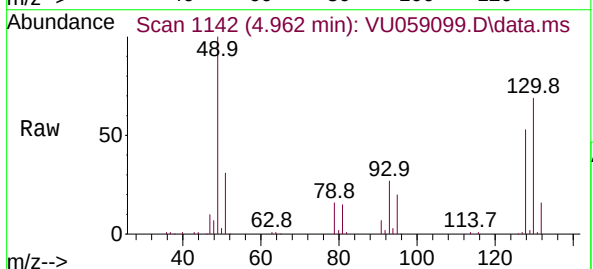
Instrument :
MSVOA_U
ClientSampleId :

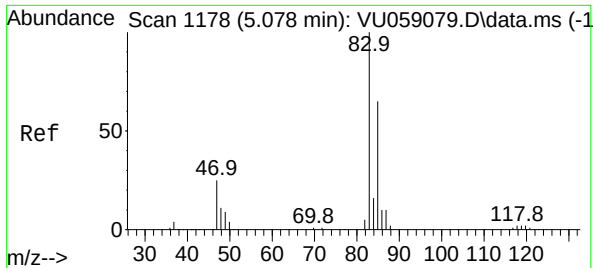
Tgt Ion: 43 Resp: 149841
Ion Ratio Lower Upper
43 100
72 27.5 14.2 42.8



#23
Bromochloromethane
Concen: 45.981 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion:128 Resp: 43054
Ion Ratio Lower Upper
128 100
49 187.1 128.4 238.4
130 128.2 86.9 161.3
51 57.7 44.7 67.1





#25

Chloroform

Concen: 47.638 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

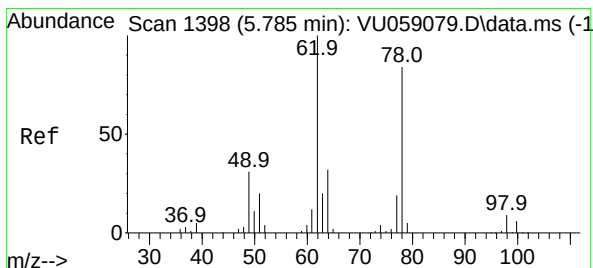
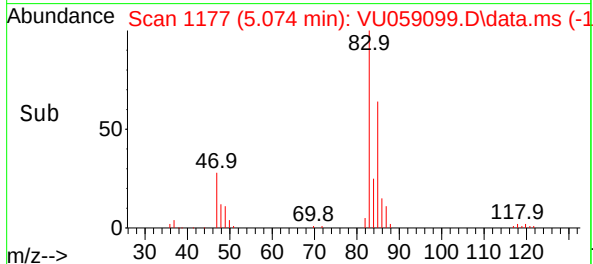
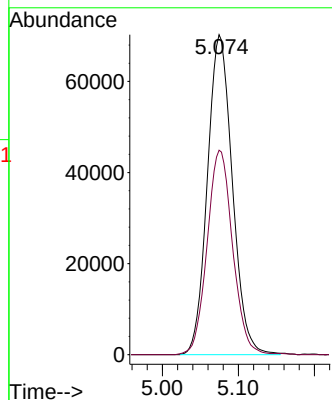
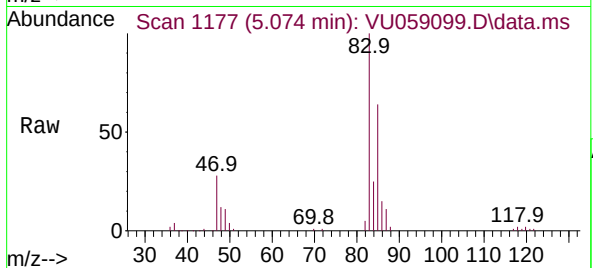
ClientSampleId :

Tgt Ion: 83 Resp: 160389

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 46.929 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU059099.D

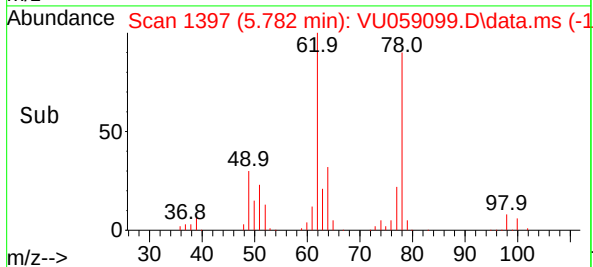
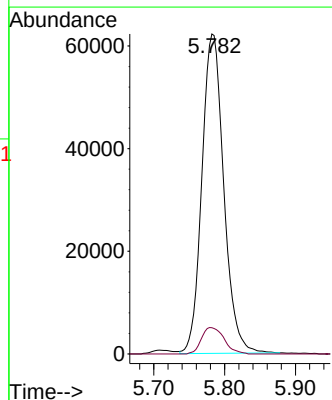
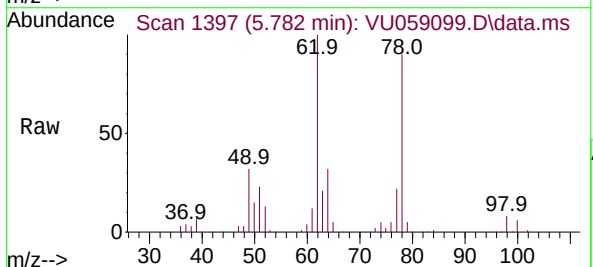
Acq: 30 May 2024 17:07

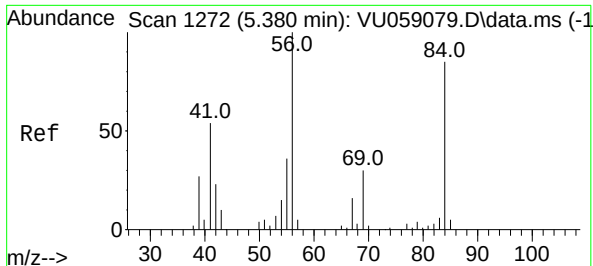
Tgt Ion: 62 Resp: 133476

Ion Ratio Lower Upper

62 100

98 8.2 6.9 10.3

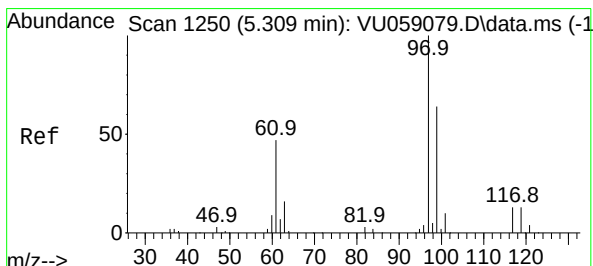
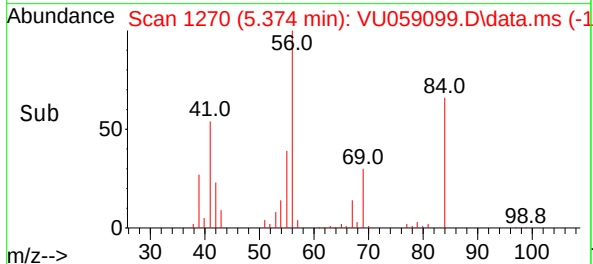
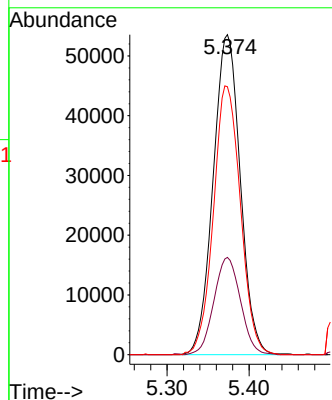
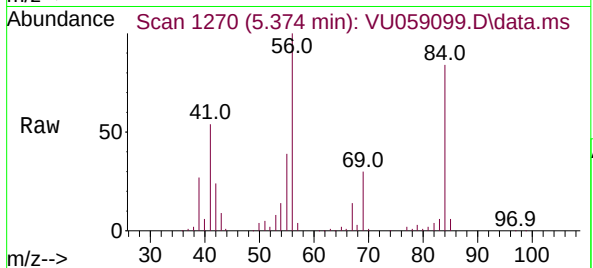




#29
Cyclohexane
Concen: 42.138 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.006 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

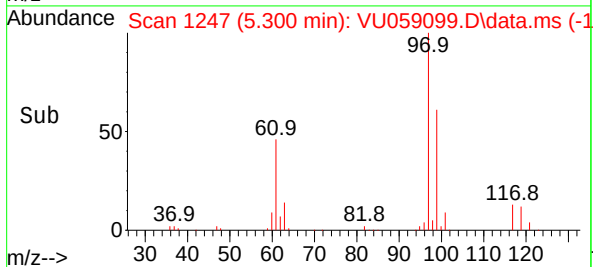
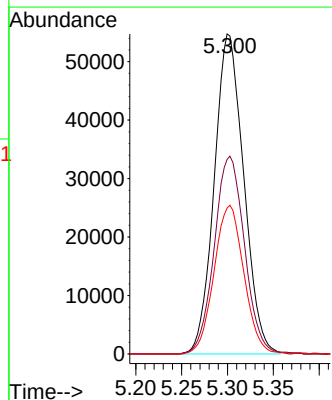
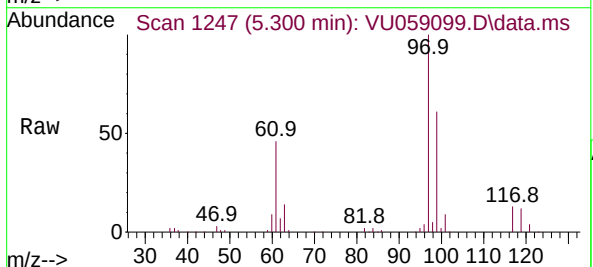
Instrument :
MSVOA_U
ClientSampleId :

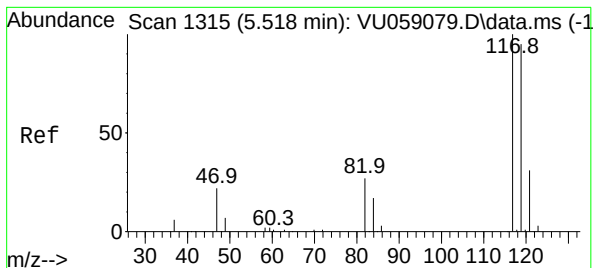
Tgt Ion: 56 Resp: 123312
Ion Ratio Lower Upper
56 100
69 29.7 24.6 37.0
84 83.5 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 42.933 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. -0.010 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion: 97 Resp: 122360
Ion Ratio Lower Upper
97 100
99 63.3 51.6 77.4
61 47.0 39.1 58.7





#31

Carbon tetrachloride

Concen: 41.887 ug/L

RT: 5.512 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

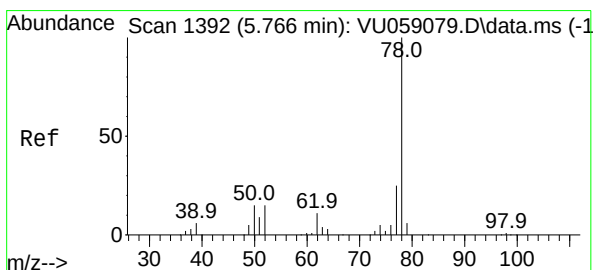
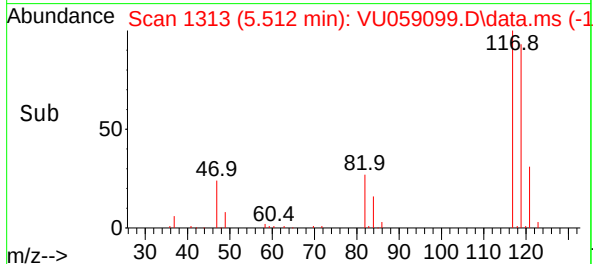
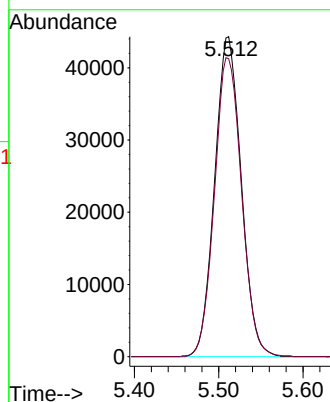
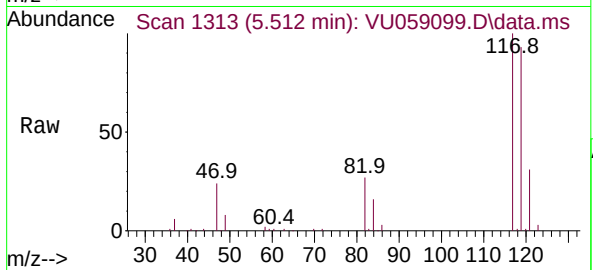
ClientSampleId :

Tgt Ion:117 Resp: 96967

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3



#33

Benzene

Concen: 44.407 ug/L

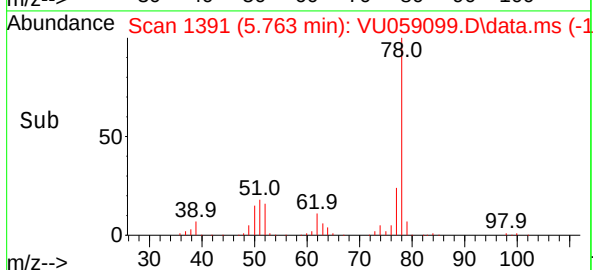
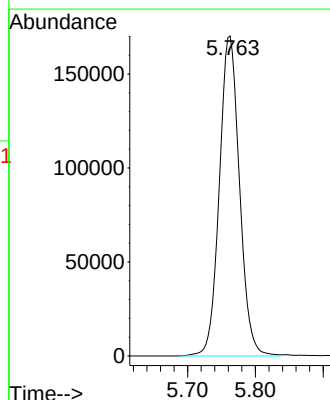
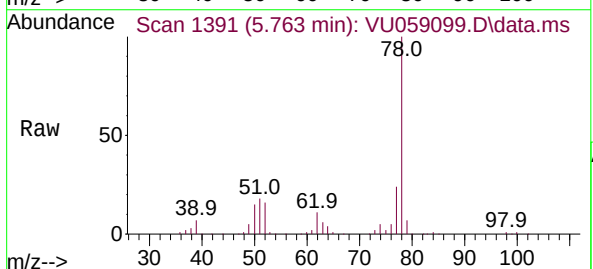
RT: 5.763 min Scan# 1391

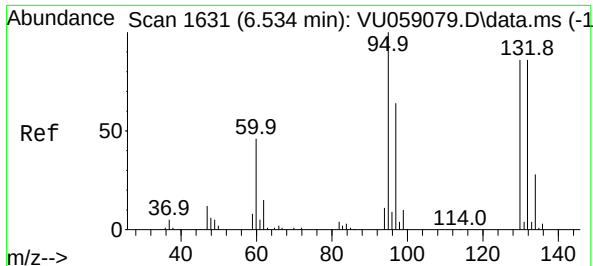
Delta R.T. -0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Tgt Ion: 78 Resp: 351483





#34

Trichloroethene

Concen: 44.856 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 86934

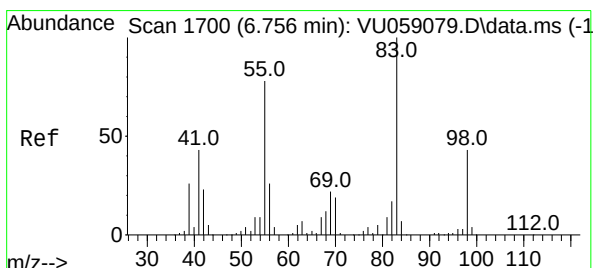
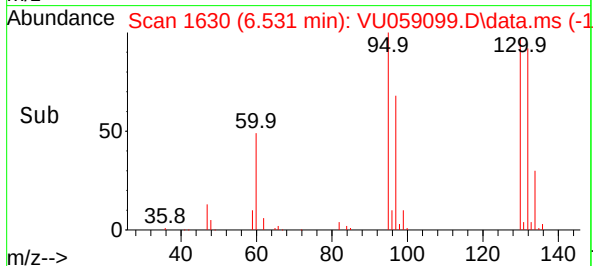
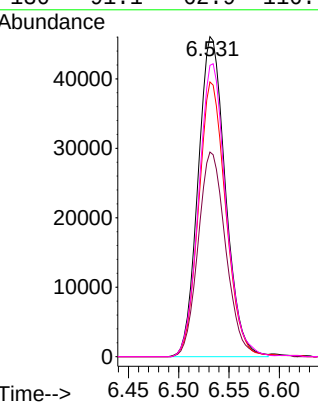
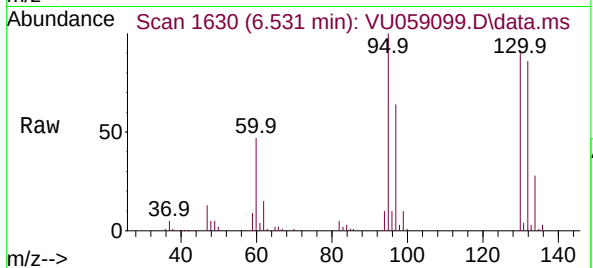
Ion Ratio Lower Upper

95 100

97 63.9 45.2 84.0

132 85.9 60.6 112.6

130 91.1 62.9 116.7



#35

Methylcyclohexane

Concen: 43.056 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

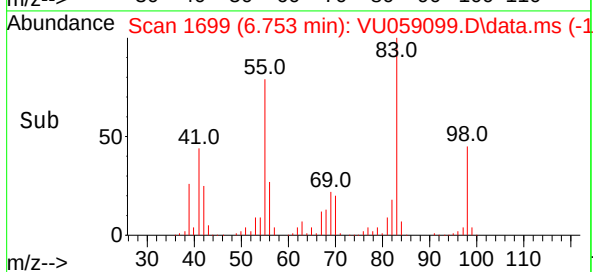
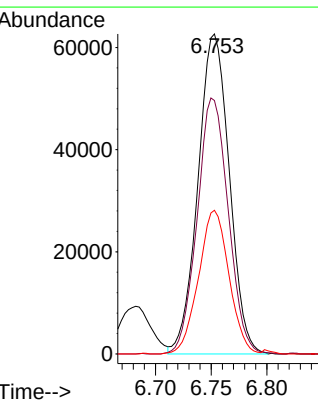
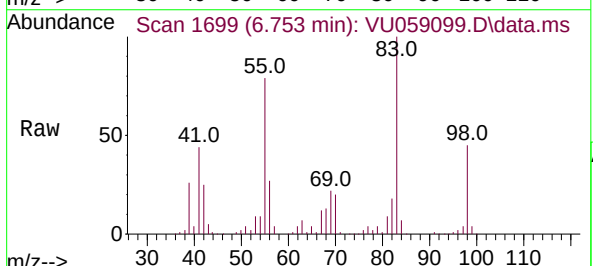
Tgt Ion: 83 Resp: 122692

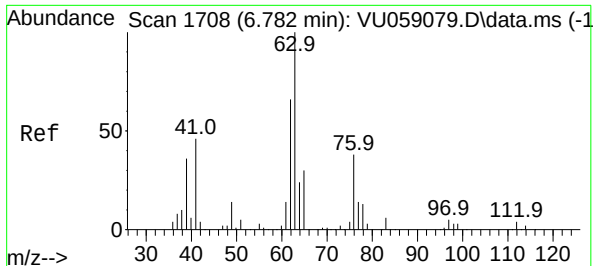
Ion Ratio Lower Upper

83 100

55 79.3 63.9 95.9

98 43.6 34.7 52.1

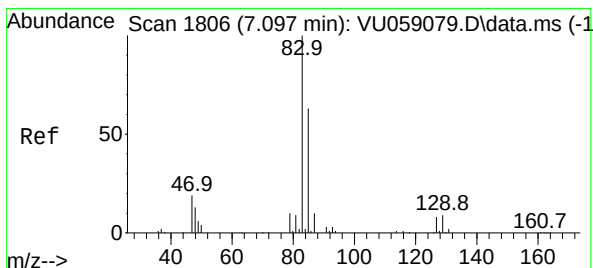
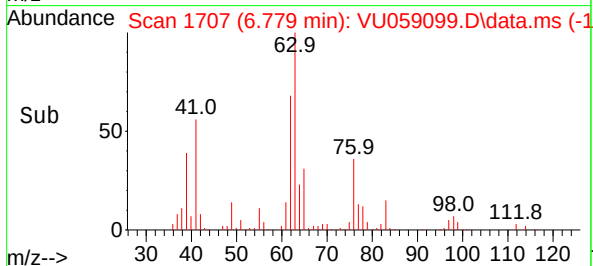
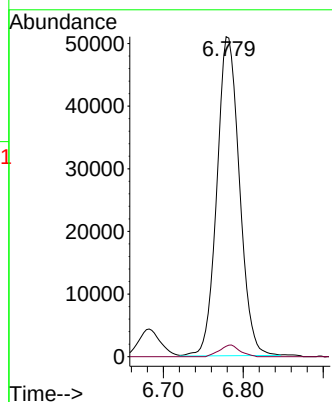
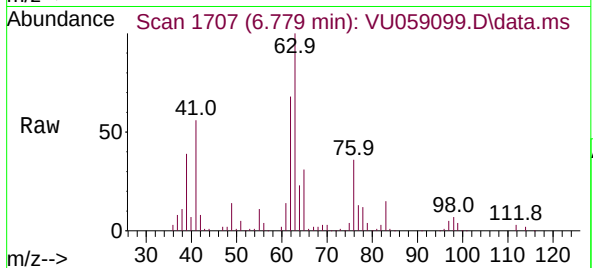




#37
1,2-Dichloropropane
Concen: 44.292 ug/L
RT: 6.779 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

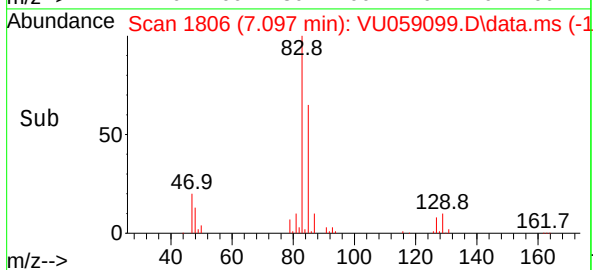
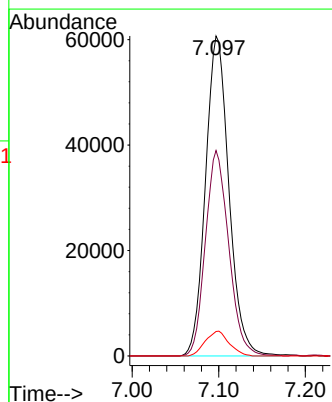
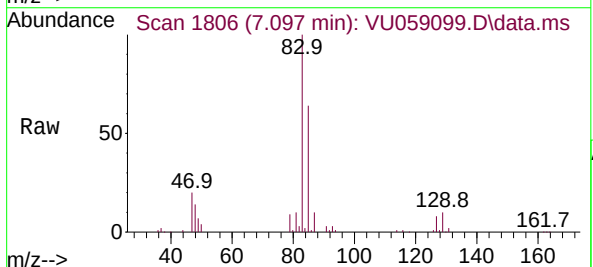
Instrument :
MSVOA_U
ClientSampleId :

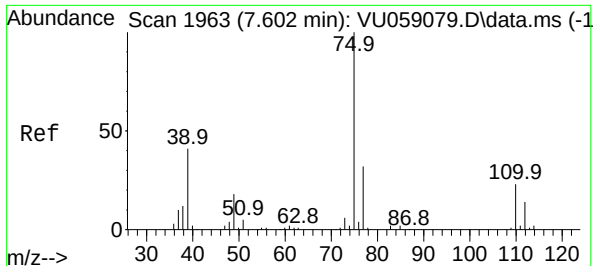
Tgt Ion: 63 Resp: 99548
Ion Ratio Lower Upper
63 100
112 3.3 2.6 4.0



#38
Bromodichloromethane
Concen: 43.550 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion: 83 Resp: 114015
Ion Ratio Lower Upper
83 100
85 64.2 44.0 81.6
127 7.6 7.0 10.6

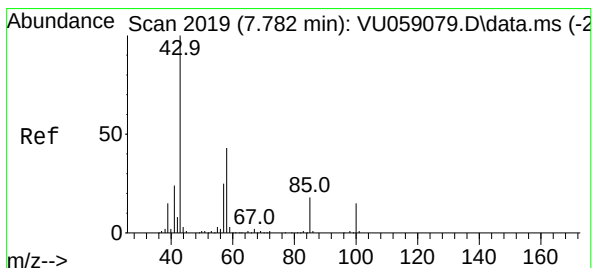
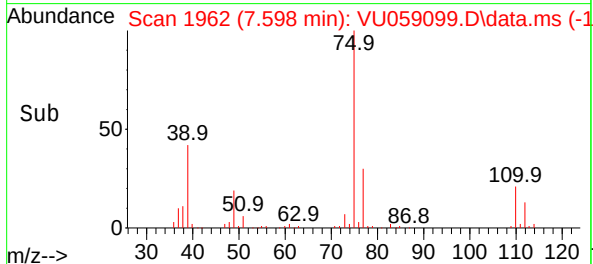
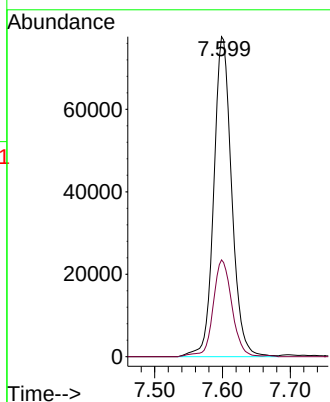
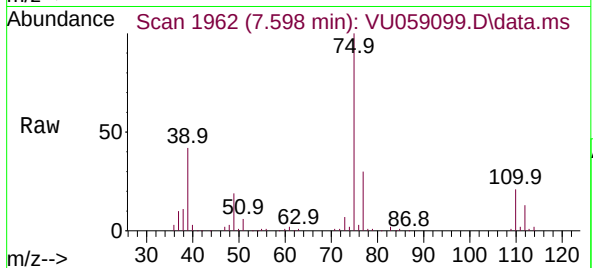




#39
cis-1,3-Dichloropropene
Concen: 45.753 ug/L
RT: 7.598 min Scan# 1962
Delta R.T. -0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

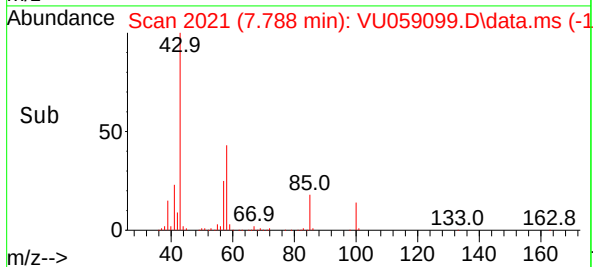
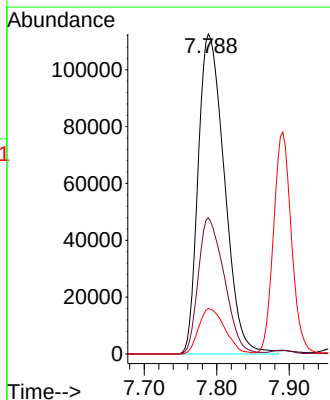
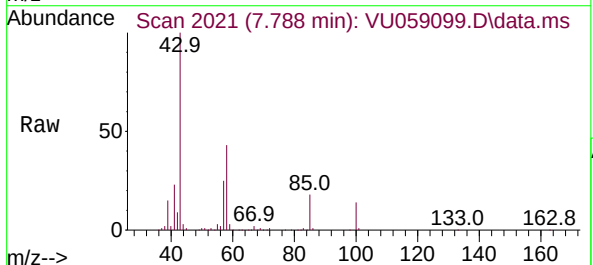
Instrument :
MSVOA_U
ClientSampleId :

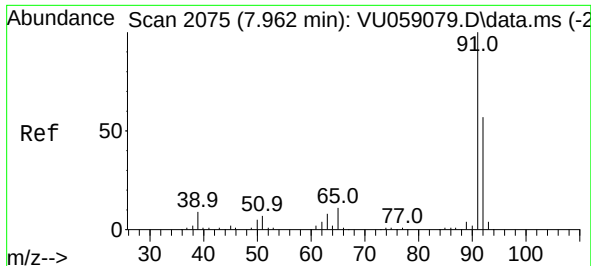
Tgt Ion: 75 Resp: 142279
Ion Ratio Lower Upper
75 100
77 30.2 21.2 39.4



#40
4-Methyl-2-pentanone
Concen: 96.161 ug/L
RT: 7.788 min Scan# 2021
Delta R.T. 0.007 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion: 43 Resp: 283343
Ion Ratio Lower Upper
43 100
58 42.1 33.7 50.5
100 14.2 11.4 17.0





#42

Toluene

Concen: 45.737 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

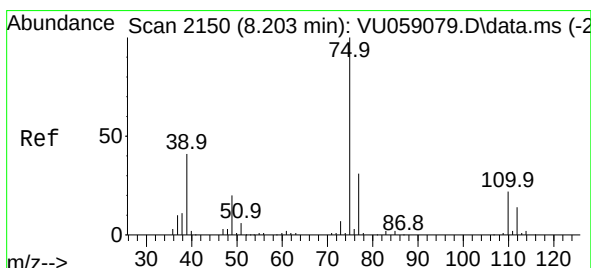
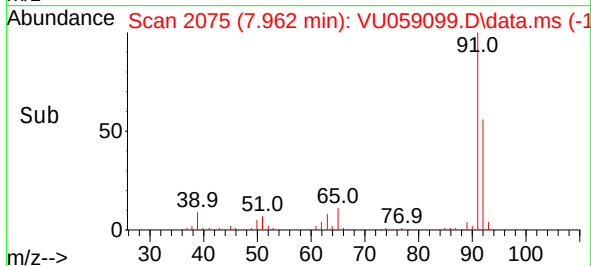
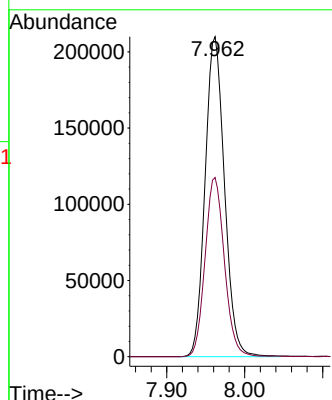
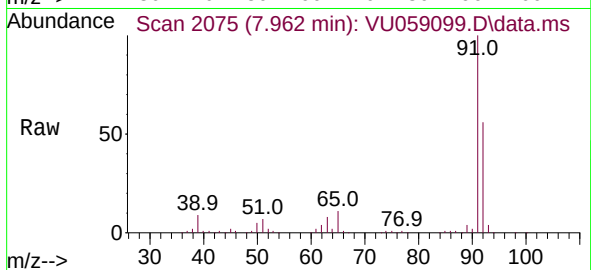
ClientSampleId :

Tgt Ion: 91 Resp: 363377

Ion Ratio Lower Upper

91 100

92 56.0 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 47.396 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059099.D

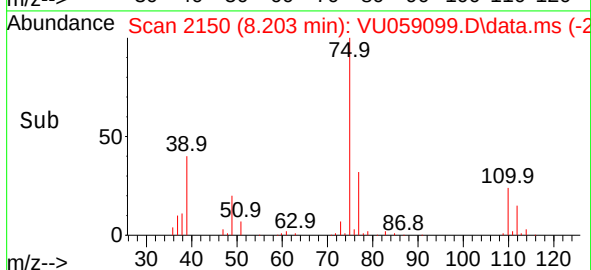
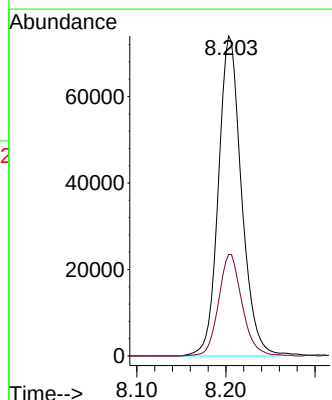
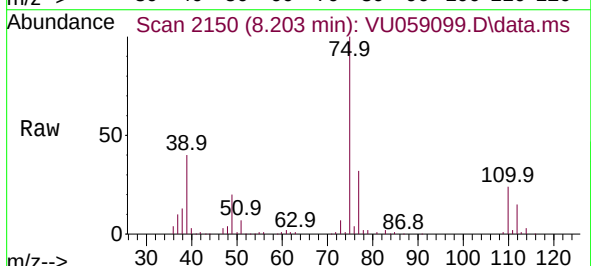
Acq: 30 May 2024 17:07

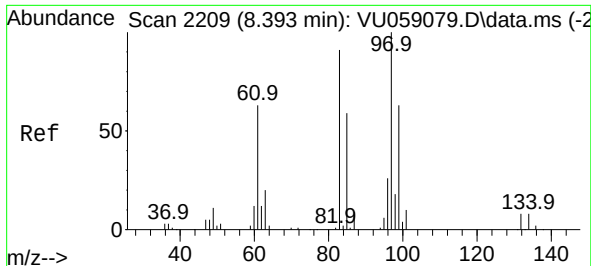
Tgt Ion: 75 Resp: 133433

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8

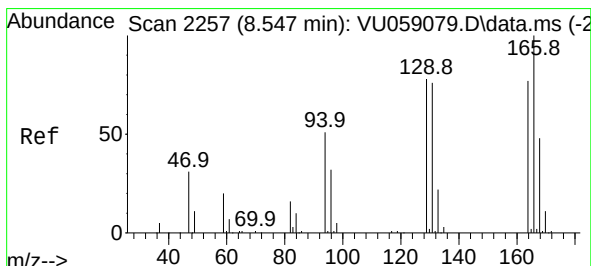
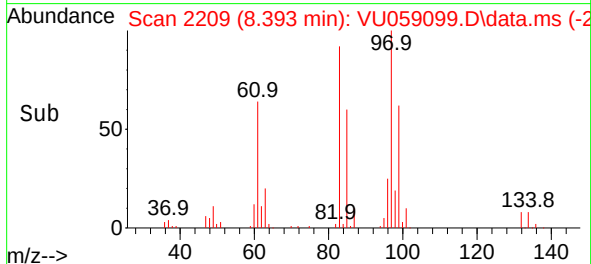
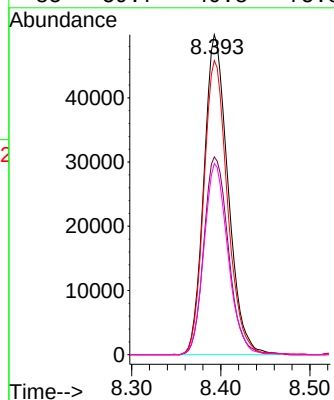
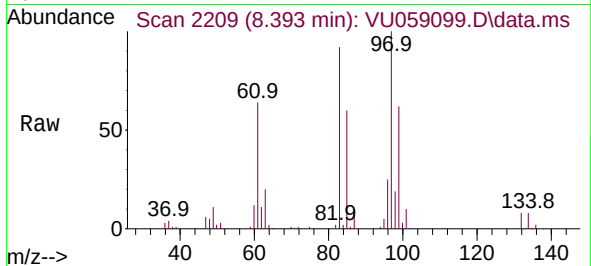




#45
1,1,2-Trichloroethane
Concen: 46.386 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

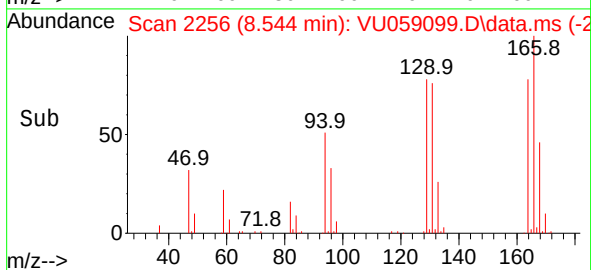
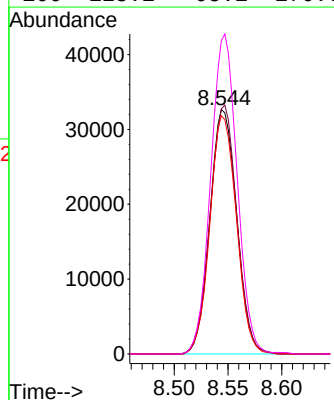
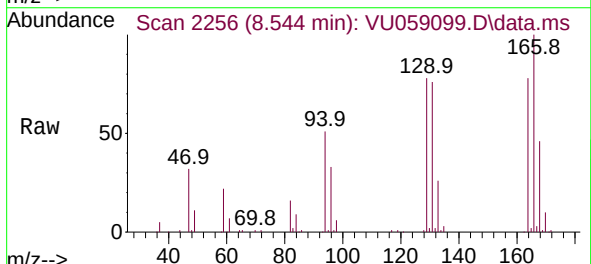
Instrument :
MSVOA_U
ClientSampleId :

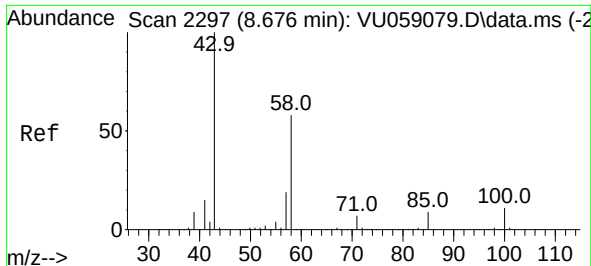
Tgt Ion:	97	Resp:	93736
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.0	81.6
83	91.9	63.6	118.2
85	59.7	40.8	75.8



#46
Tetrachloroethene
Concen: 43.890 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

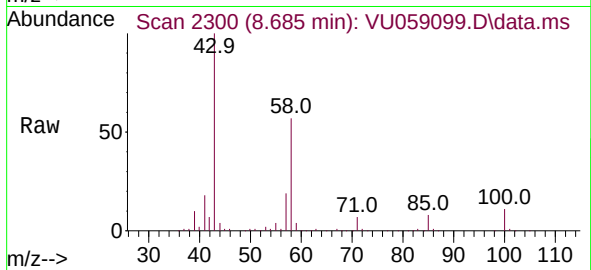
Tgt Ion:	164	Resp:	56659
Ion	Ratio	Lower	Upper
164	100		
129	100.2	74.5	138.5
131	97.5	70.6	131.0
166	128.1	95.1	176.7



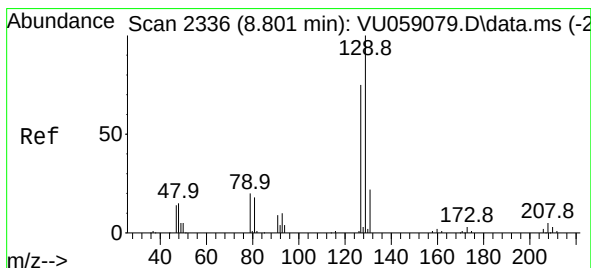
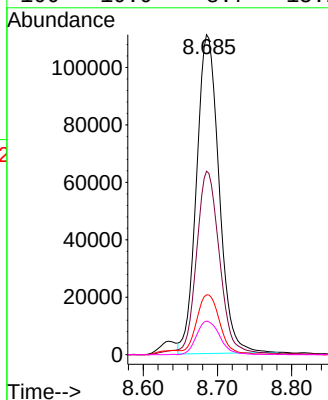
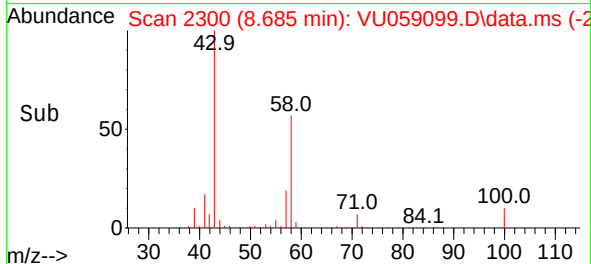


#48
2-Hexanone
Concen: 94.389 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.010 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Instrument :
MSVOA_U
ClientSampleId :

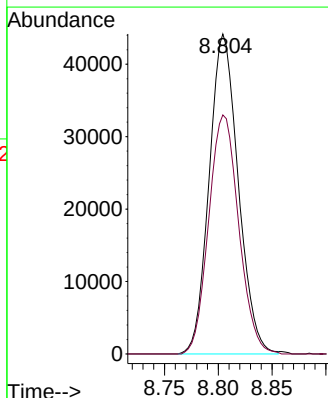
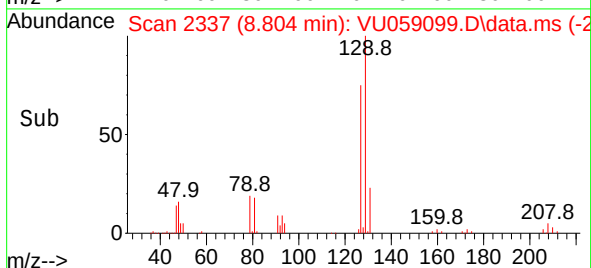
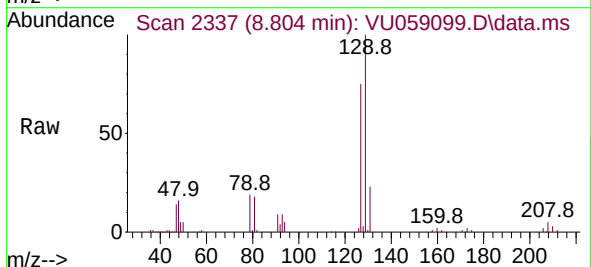


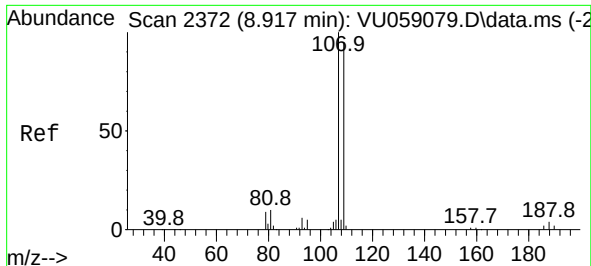
Tgt Ion: 43 Resp: 234564
Ion Ratio Lower Upper
43 100
58 59.9 45.9 68.9
57 19.4 16.3 24.5
100 10.9 8.7 13.1



#49
Dibromochloromethane
Concen: 45.439 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion: 129 Resp: 82983
Ion Ratio Lower Upper
129 100
127 74.7 53.3 98.9

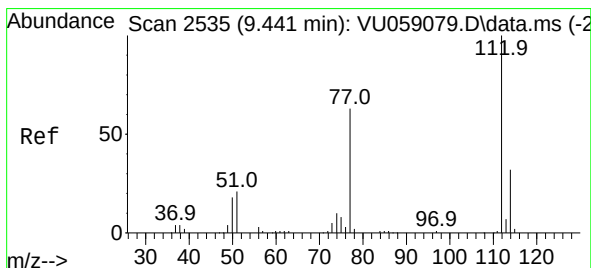
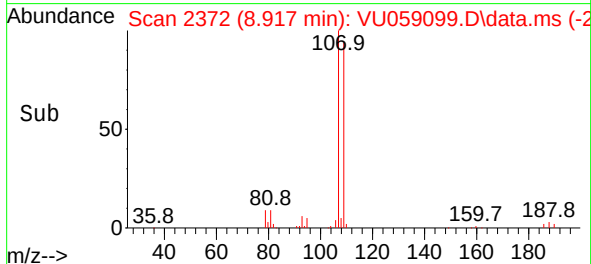
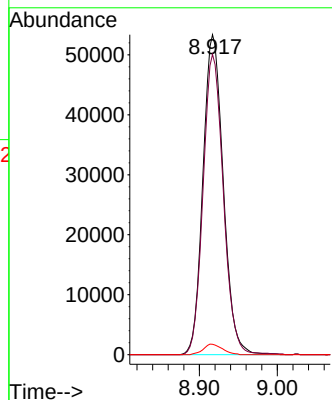
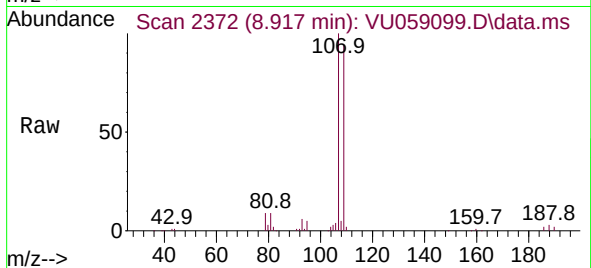




#50
1,2-Dibromoethane
Concen: 46.330 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

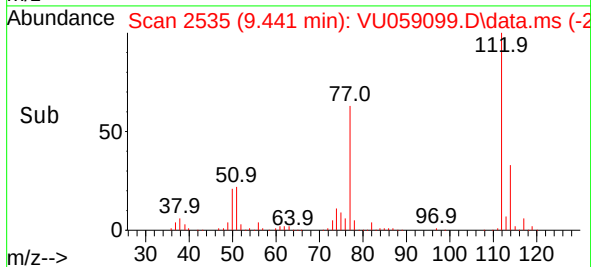
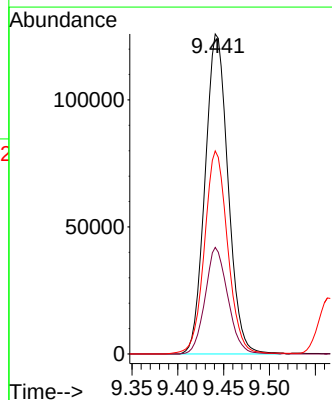
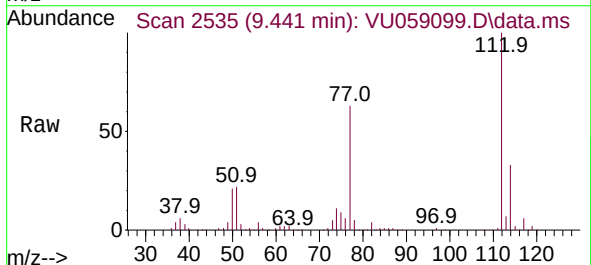
Instrument :
MSVOA_U
ClientSampleId :

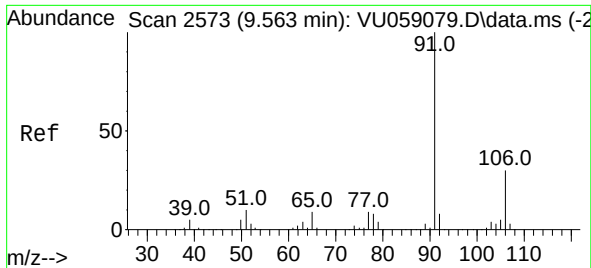
Tgt Ion:107 Resp: 96575
Ion Ratio Lower Upper
107 100
109 93.8 67.8 125.8
188 3.3 2.5 3.7



#51
Chlorobenzene
Concen: 45.907 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion:112 Resp: 220135
Ion Ratio Lower Upper
112 100
114 33.3 22.1 41.1
77 63.4 49.8 74.6

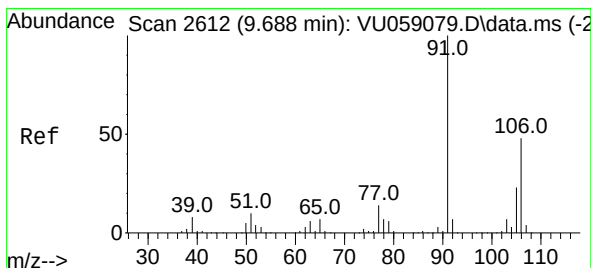
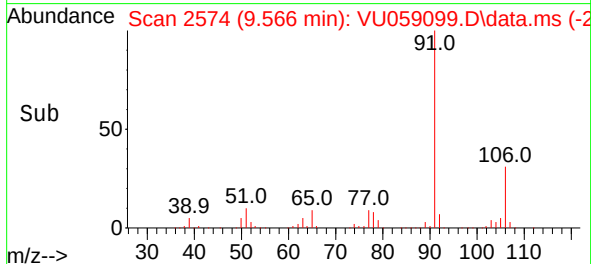
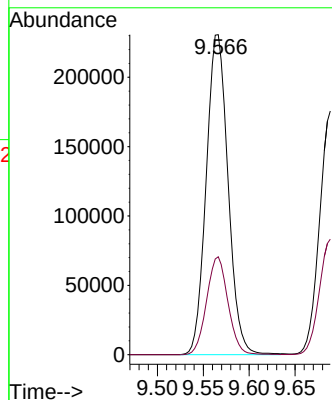
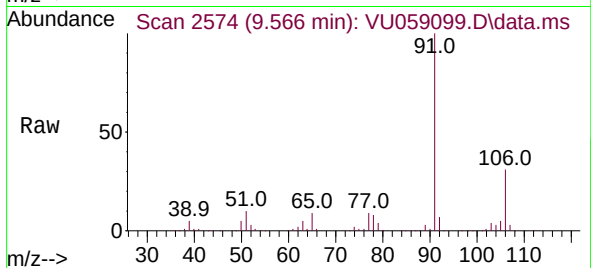




#52
Ethylbenzene
Concen: 46.576 ug/L
RT: 9.566 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

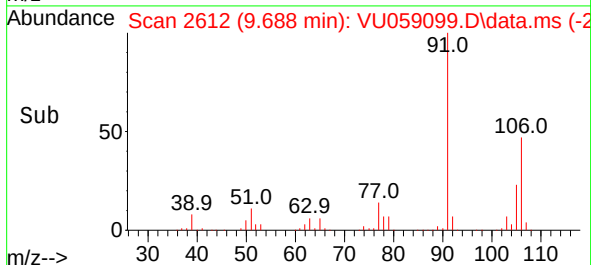
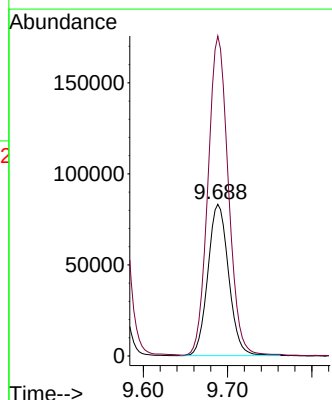
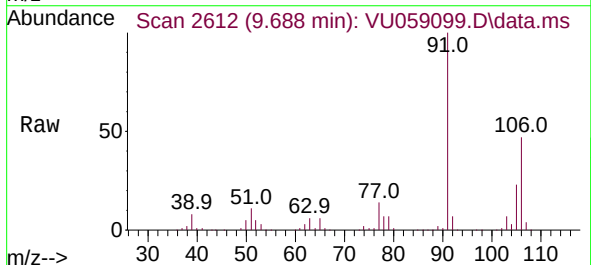
Instrument :
MSVOA_U
ClientSampleId :

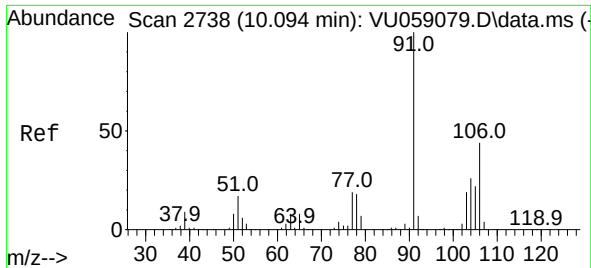
Tgt Ion: 91 Resp: 381498
Ion Ratio Lower Upper
91 100
106 30.6 21.0 39.0



#53
m,p-Xylene
Concen: 47.449 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion:106 Resp: 142836
Ion Ratio Lower Upper
106 100
91 210.9 146.4 272.0

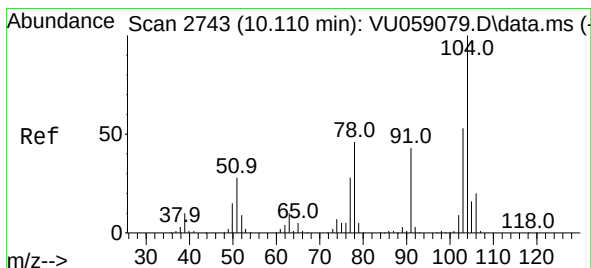
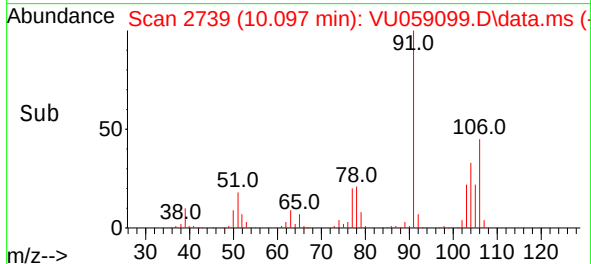
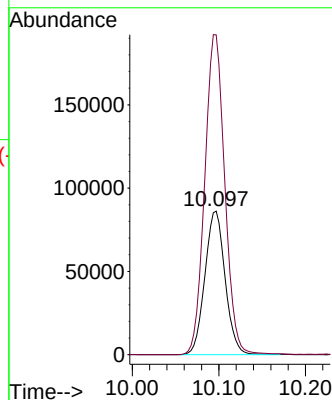
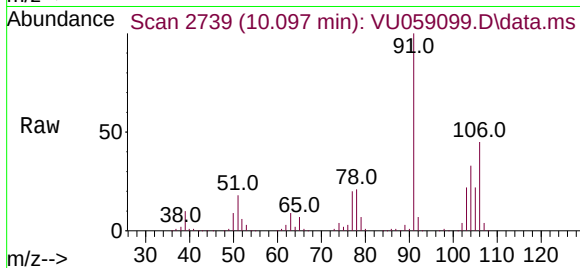




#54
o-Xylene
Concen: 47.997 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

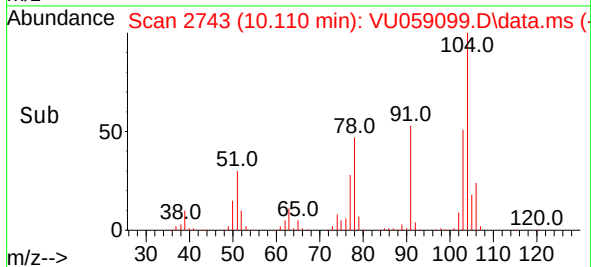
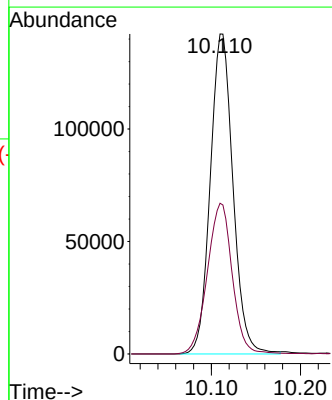
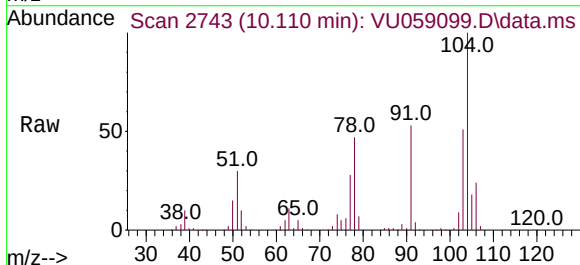
Instrument :
MSVOA_U
ClientSampleId :

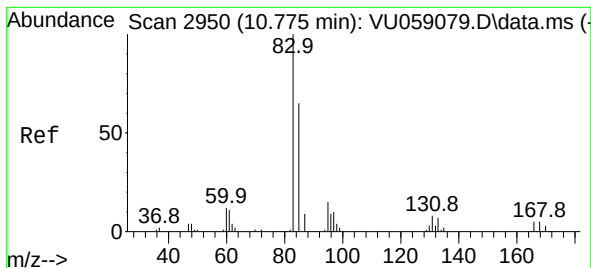
Tgt Ion:106 Resp: 140028
Ion Ratio Lower Upper
106 100
91 223.0 156.7 290.9



#55
Styrene
Concen: 50.759 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion:104 Resp: 251712
Ion Ratio Lower Upper
104 100
78 47.1 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 47.679 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

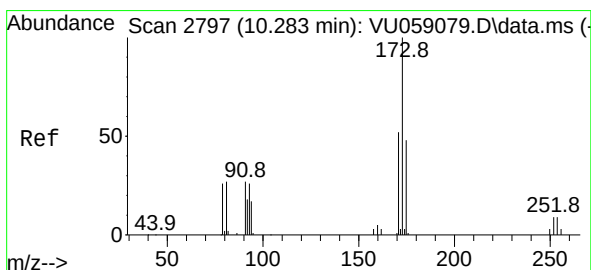
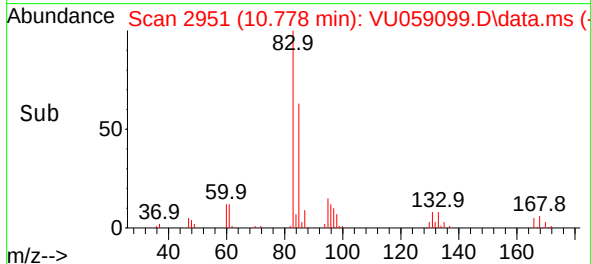
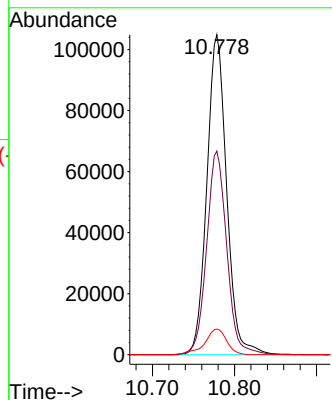
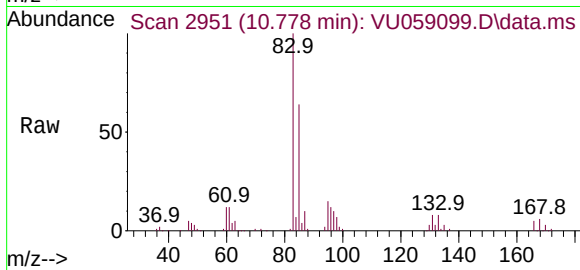
Tgt Ion: 83 Resp: 175514

Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.7

131 8.0 7.0 10.4



#59

Bromoform

Concen: 42.148 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

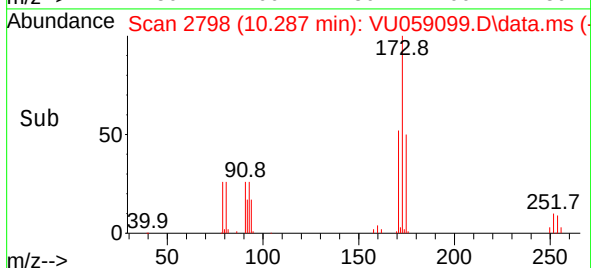
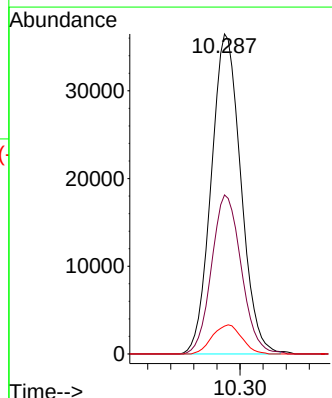
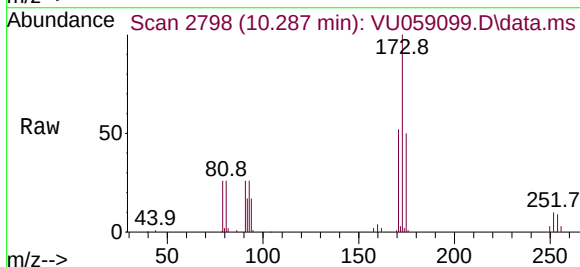
Tgt Ion:173 Resp: 64923

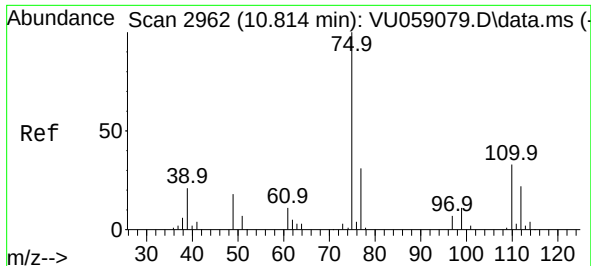
Ion Ratio Lower Upper

173 100

175 49.9 39.0 58.6

254 9.1 7.5 11.3

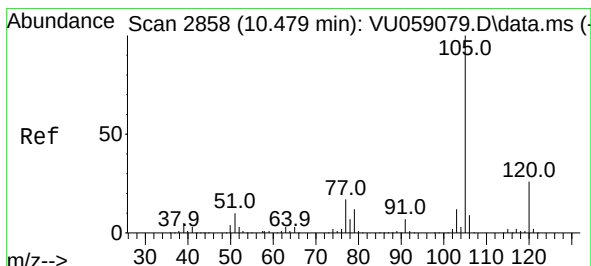
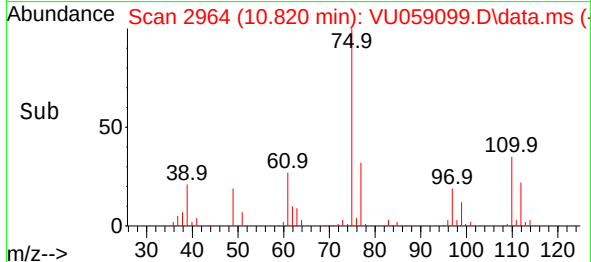
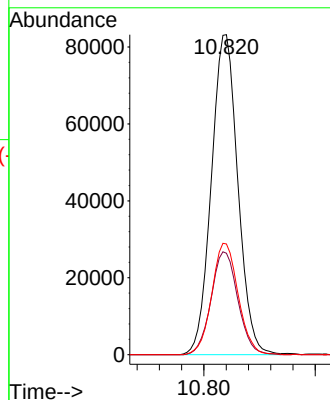
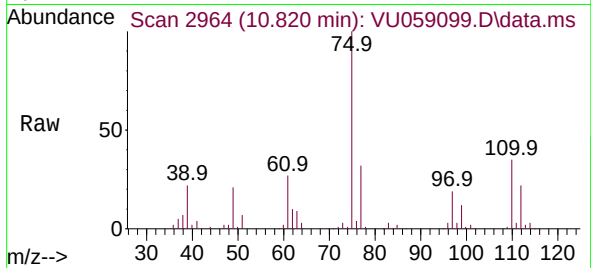




#60
1,2,3-Trichloropropane
Concen: 42.096 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.007 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

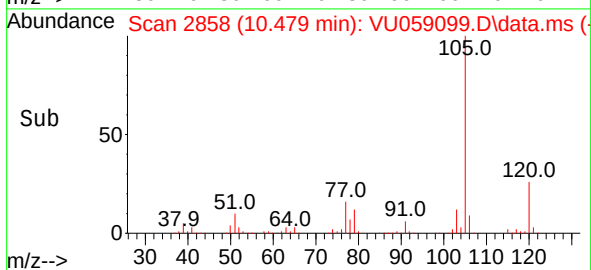
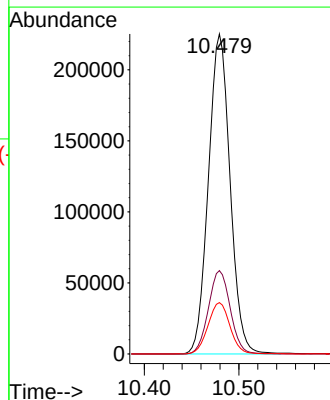
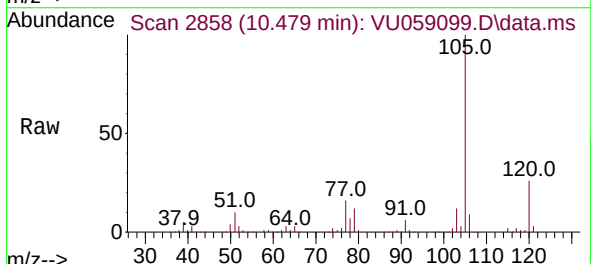
Instrument :
MSVOA_U
ClientSampleId :

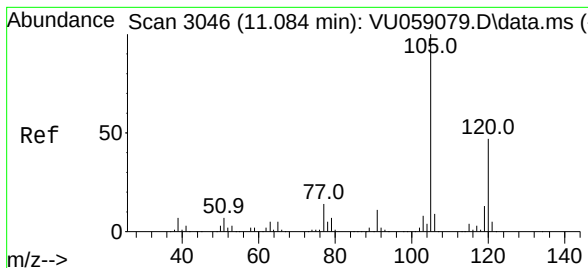
Tgt Ion: 75 Resp: 137528
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
110 34.7 28.4 42.6



#61
Isopropylbenzene
Concen: 43.443 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU059099.D
Acq: 30 May 2024 17:07

Tgt Ion:105 Resp: 359067
Ion Ratio Lower Upper
105 100
120 26.2 20.3 30.5
77 16.3 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 44.492 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

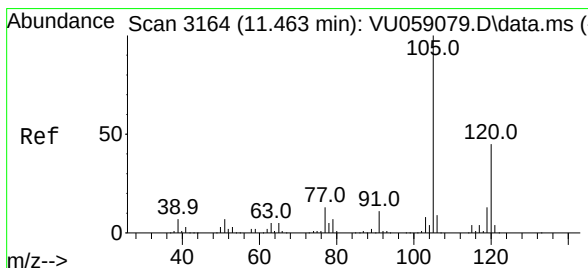
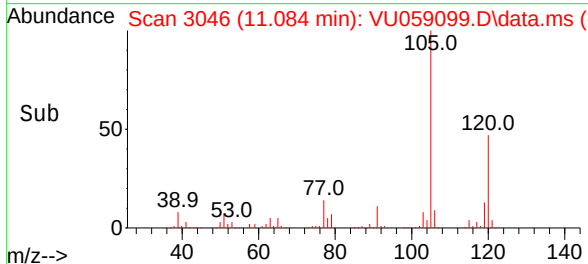
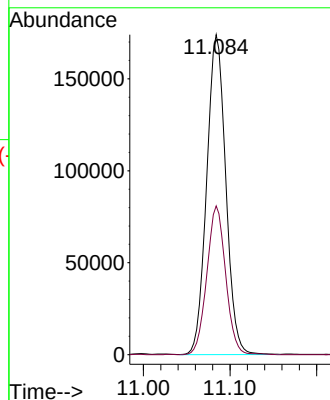
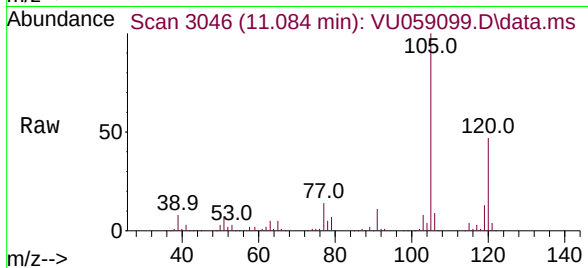
ClientSampleId :

Tgt Ion:105 Resp: 266440

Ion Ratio Lower Upper

105 100

120 45.9 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 45.949 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059099.D

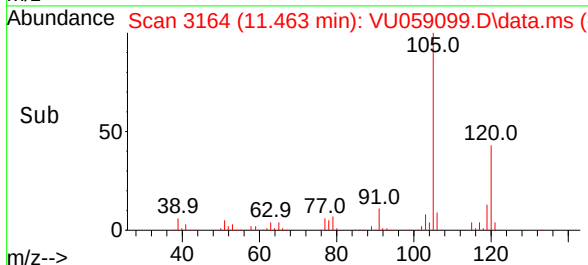
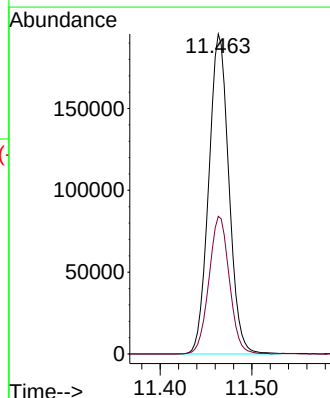
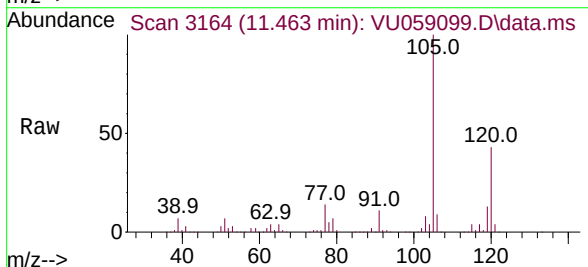
Acq: 30 May 2024 17:07

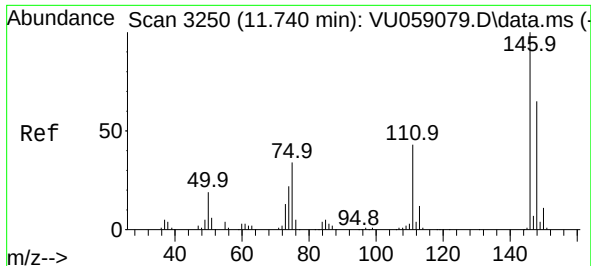
Tgt Ion:105 Resp: 298289

Ion Ratio Lower Upper

105 100

120 43.6 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 45.436 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

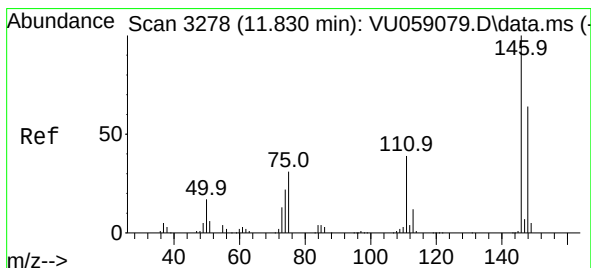
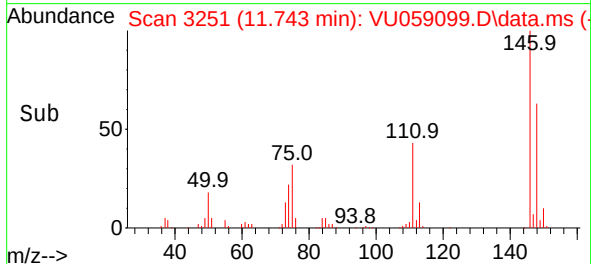
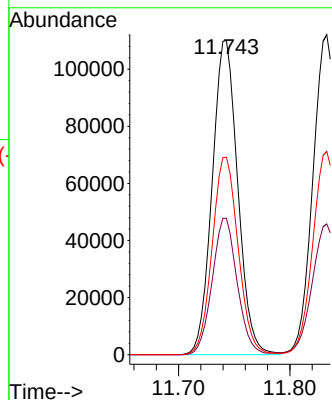
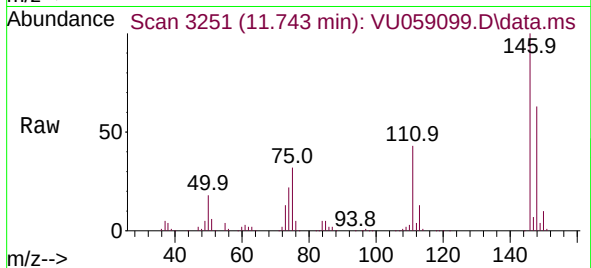
Tgt Ion:146 Resp: 175517

Ion Ratio Lower Upper

146 100

111 43.4 28.7 53.3

148 62.9 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 46.047 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

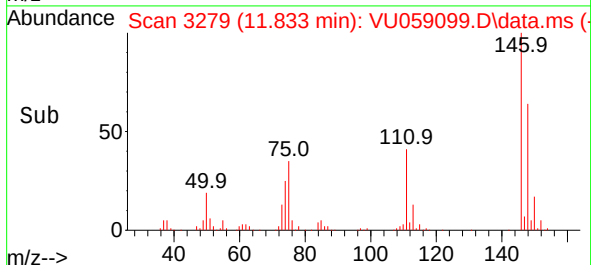
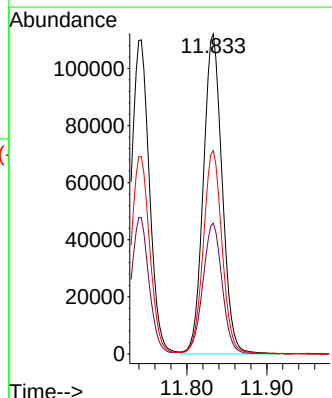
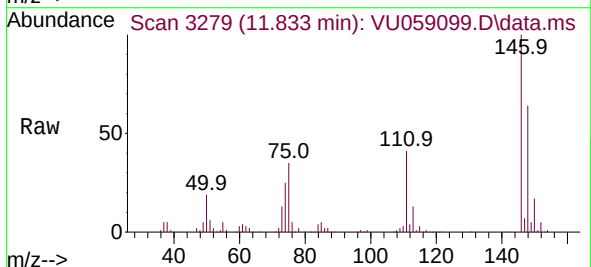
Tgt Ion:146 Resp: 183706

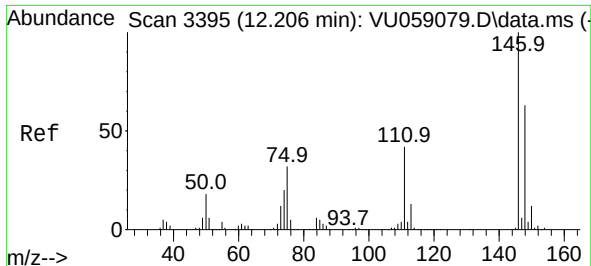
Ion Ratio Lower Upper

146 100

111 40.8 27.9 51.9

148 63.6 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 44.302 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

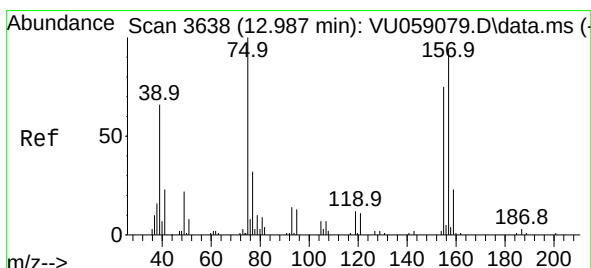
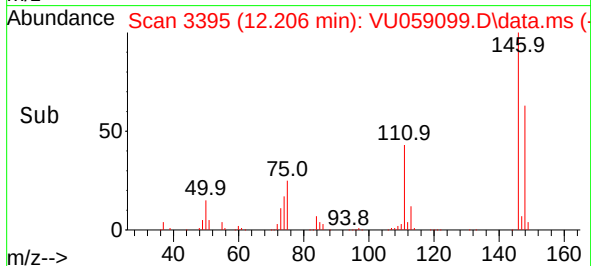
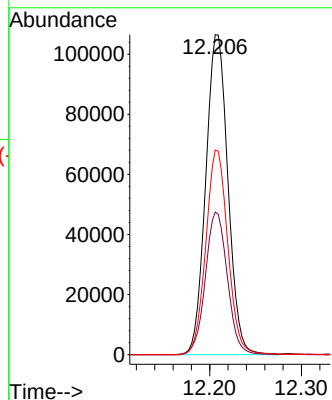
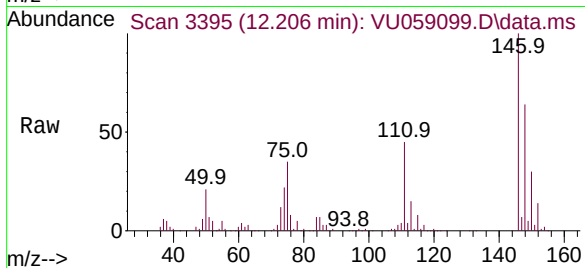
Tgt Ion:146 Resp: 178870

Ion Ratio Lower Upper

146 100

111 44.6 33.4 50.2

148 64.0 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.850 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

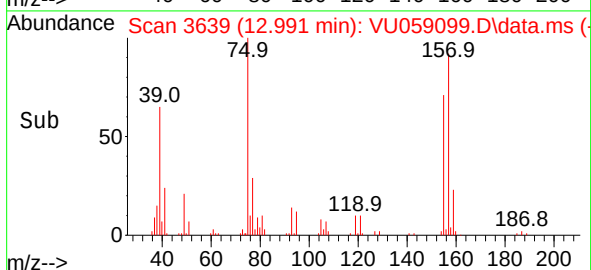
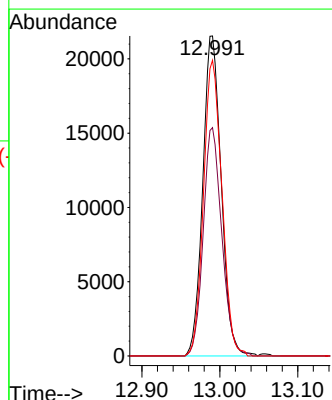
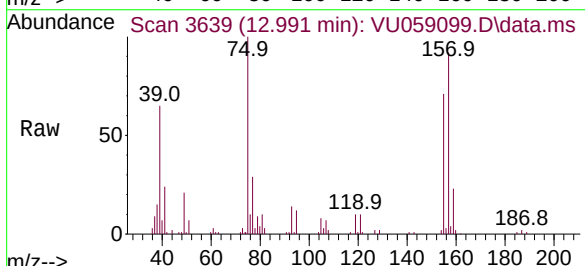
Tgt Ion: 75 Resp: 35490

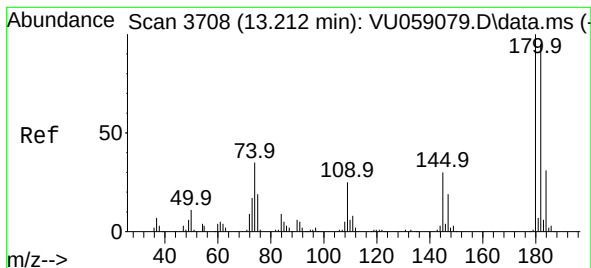
Ion Ratio Lower Upper

75 100

155 71.4 57.5 86.3

157 96.7 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 44.626 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

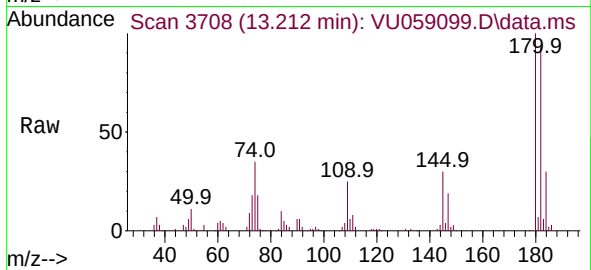
Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 113849

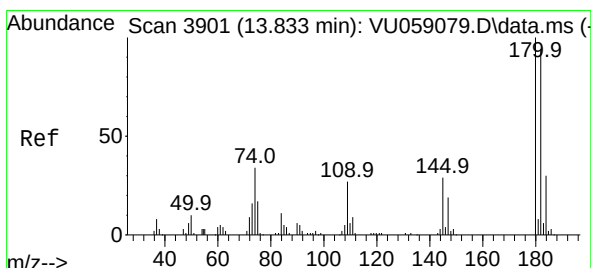
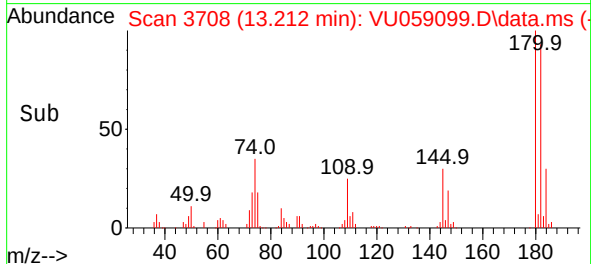
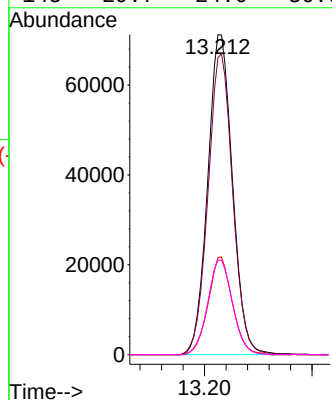
Ion Ratio Lower Upper

180 100

182 93.7 75.6 113.4

184 29.8 24.2 36.2

145 29.7 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 44.022 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

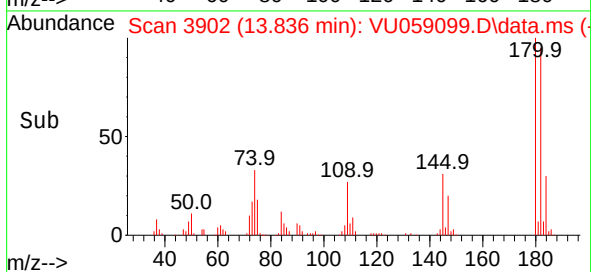
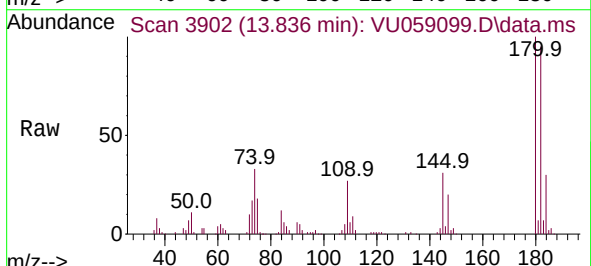
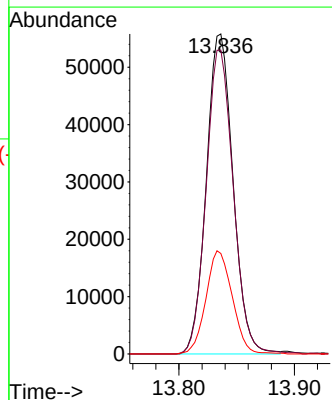
Tgt Ion:180 Resp: 89700

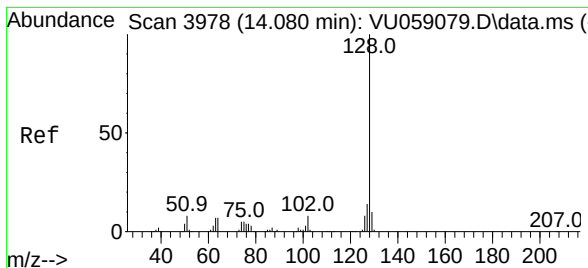
Ion Ratio Lower Upper

180 100

182 96.5 77.4 116.2

145 31.7 24.8 37.2





#71

Naphthalene

Concen: 37.745 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Instrument :

MSVOA_U

ClientSampleId :

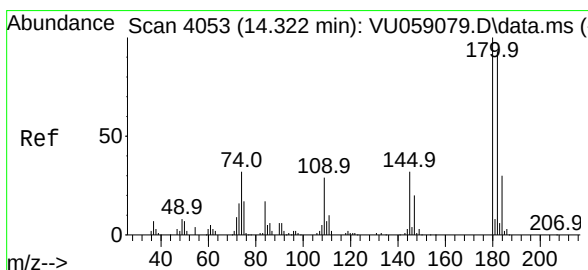
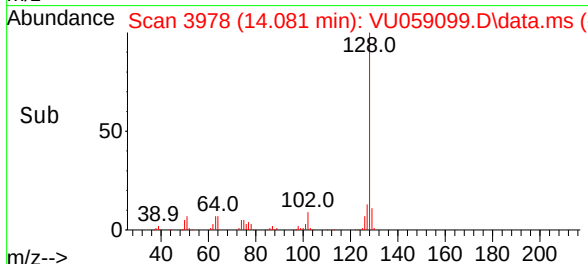
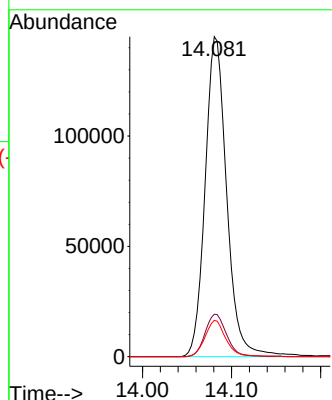
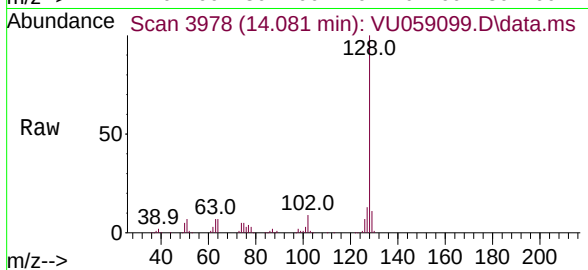
Tgt Ion:128 Resp: 243443

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 43.718 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU059099.D

Acq: 30 May 2024 17:07

Tgt Ion:180 Resp: 90566

Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

145 33.1 26.4 39.6

