

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081524\
 Data File : VU060468.D
 Acq On : 15 Aug 2024 17:34
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 16 04:58:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 16 04:55:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	90601	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	95980	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	50618	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	28363	3.988	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.907	69	26290	4.100	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.000%
11) 1,1-Dichloroethene-d2	2.557	65	12606	4.165	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.634	46	79193	52.470	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.940%
24) Chloroform-d	5.055	84	65069	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.695	65	32468	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.721	84	125422	4.333	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.682	67	39286	4.376	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.891	98	117813	4.559	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.174	79	14450	4.978	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.627	63	67260	52.215	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.420%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	36286	4.925	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	42038	4.508	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	21422	4.383	ug/L	98
3) Chloromethane	1.518	50	24931	4.101	ug/L	99
5) Vinyl chloride	1.599	62	29665	4.168	ug/L	96
6) Bromomethane	1.853	94	20836	4.134	ug/L	97
8) Chloroethane	1.927	64	20095	4.163	ug/L	100
9) Trichlorofluoromethane	2.129	101	51211	5.132	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	30668	4.664	ug/L	99
12) 1,1-Dichloroethene	2.573	96	25489	4.267	ug/L	92
13) Acetone	2.647	43	53038	51.461	ug/L	97
14) Carbon disulfide	2.785	76	55312	3.670	ug/L	97
15) Methyl Acetate	2.959	43	12446	5.828	ug/L	98
16) Methylene chloride	3.036	84	36921	4.348	ug/L	95
17) Methyl tert-butyl Ether	3.358	73	70941	5.037	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	26262	4.481	ug/L	96
19) 1,1-Dichloroethane	3.862	63	58623	4.845	ug/L	99
21) 2-Butanone	4.714	43	80848	52.631	ug/L	92
22) cis-1,2-Dichloroethene	4.660	96	32234	4.556	ug/L	90
23) Bromochloromethane	4.968	128	15928	4.878	ug/L	95
25) Chloroform	5.081	83	66130	5.024	ug/L	99

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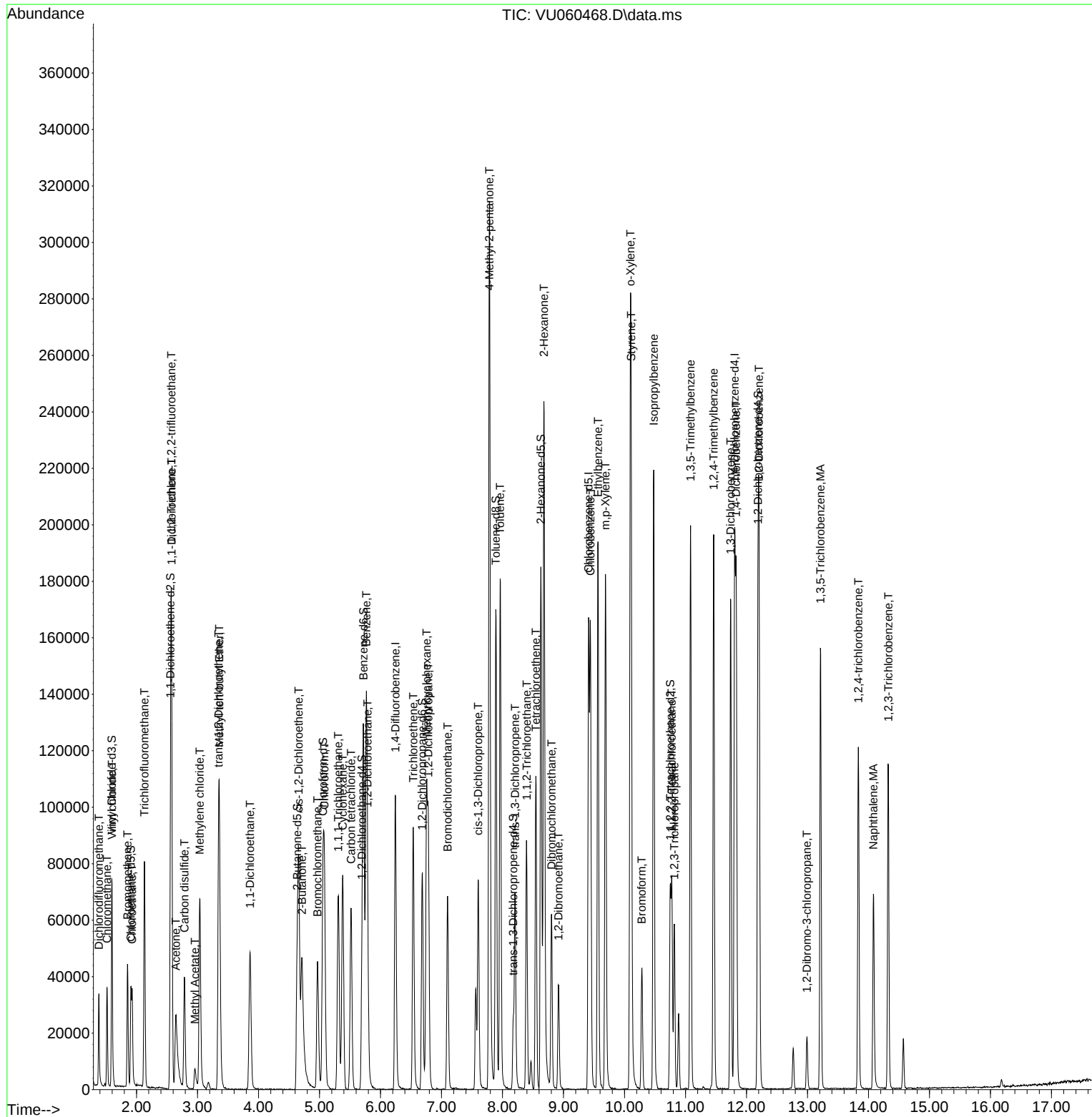
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	38465	5.495	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	53432	5.085	ug/L	99
30) Cyclohexane	5.380	56	33896	3.985	ug/L	97
31) Carbon tetrachloride	5.518	117	45978	4.993	ug/L	96
33) Benzene	5.769	78	127842	4.626	ug/L	100
34) Trichloroethene	6.537	95	33207	4.591	ug/L	100
35) Methylcyclohexane	6.756	83	38243	4.049	ug/L	99
37) 1,2-Dichloropropane	6.785	63	36191	4.812	ug/L	100
38) Bromodichloromethane	7.100	83	46662	5.020	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	47065	4.607	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	199022	56.692	ug/L	98
42) Toluene	7.962	91	138414	4.740	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	42998	5.095	ug/L	93
45) 1,1,2-Trichloroethane	8.396	97	28812	5.002	ug/L	97
47) Tetrachloroethene	8.547	164	25760	4.553	ug/L	98
48) 2-Hexanone	8.679	43	153508	57.681	ug/L	98
49) Dibromochloromethane	8.804	129	32666	5.333	ug/L	100
50) 1,2-Dibromoethane	8.917	107	25554	4.984	ug/L	98
51) Chlorobenzene	9.441	112	91132	4.626	ug/L	97
52) Ethylbenzene	9.566	91	139049	4.520	ug/L	98
53) m,p-Xylene	9.688	106	53984	4.617	ug/L	99
54) o-Xylene	10.097	106	52300	4.675	ug/L	100
55) Styrene	10.110	104	94641	4.889	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	37338	5.213	ug/L	98
59) Bromoform	10.283	173	20136	5.239	ug/L	99
60) Isopropylbenzene	10.479	105	142748	4.670	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	25941	5.293	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	109779	4.666	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	108005	4.658	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	75290	4.834	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	74390	4.738	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	71136	4.837	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	5175	5.633	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	51827	4.403	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	39743	4.300	ug/L	99
71) Naphthalene	14.081	128	61888	4.710	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	37773	4.562	ug/L	98

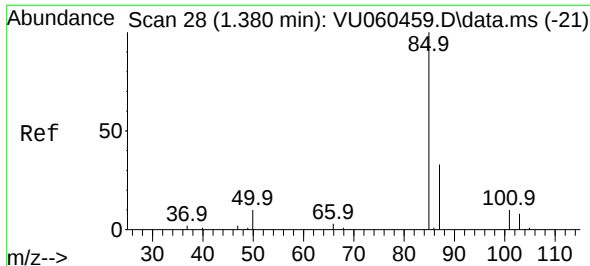
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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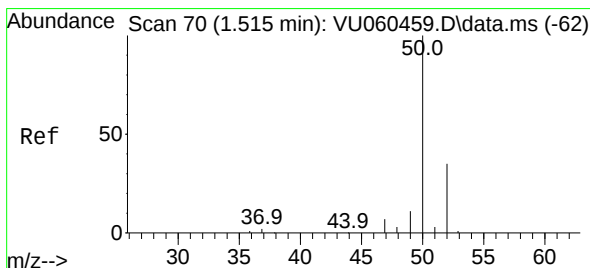
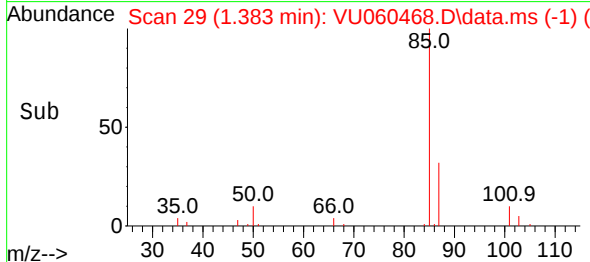
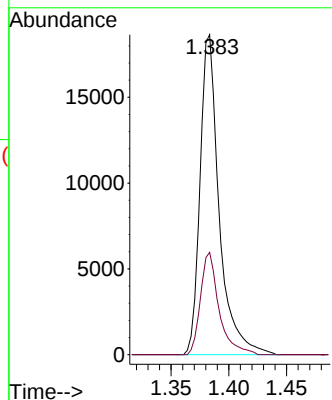
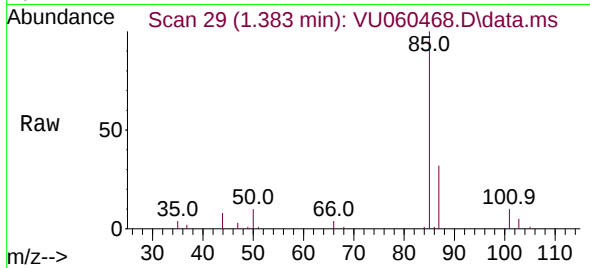




#2
Dichlorodifluoromethane
Concen: 4.383 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

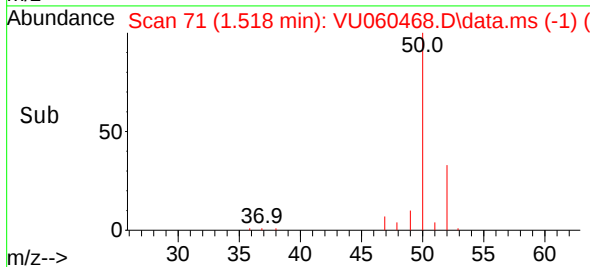
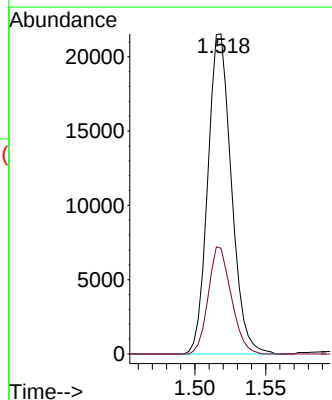
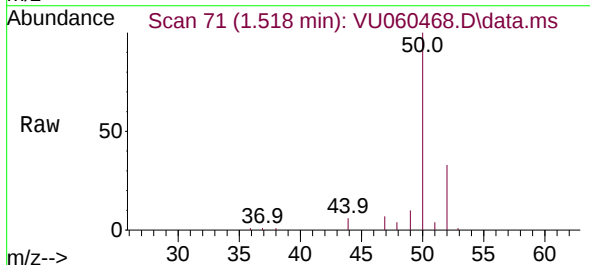
Instrument :
MSVOA_U
ClientSampleId :

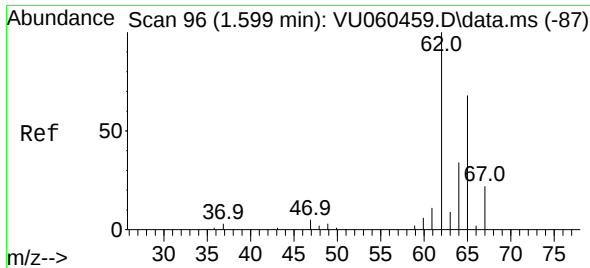
Tgt Ion: 85 Resp: 21422
Ion Ratio Lower Upper
85 100
87 31.1 25.7 38.5



#3
Chloromethane
Concen: 4.101 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

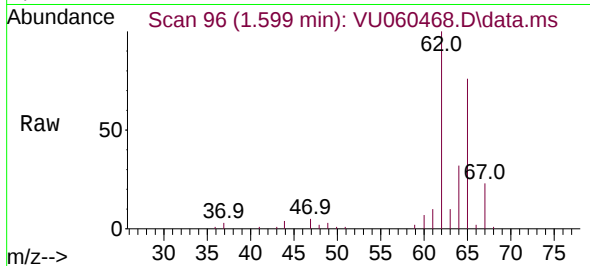
Tgt Ion: 50 Resp: 24931
Ion Ratio Lower Upper
50 100
52 33.1 22.8 42.4



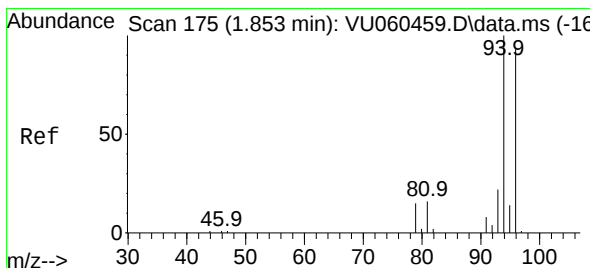
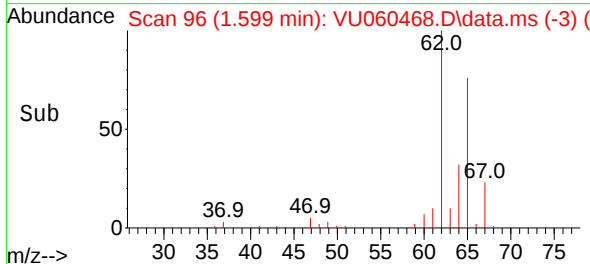
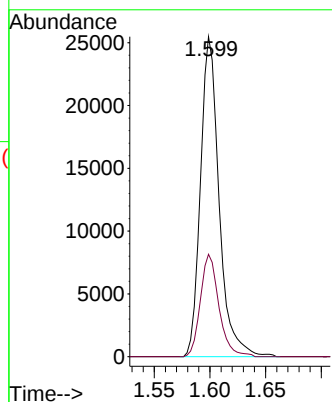


#5
 Vinyl chloride
 Concen: 4.168 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU060468.D
 Acq: 15 Aug 2024 17:34

Instrument :
 MSVOA_U
 ClientSampleId :

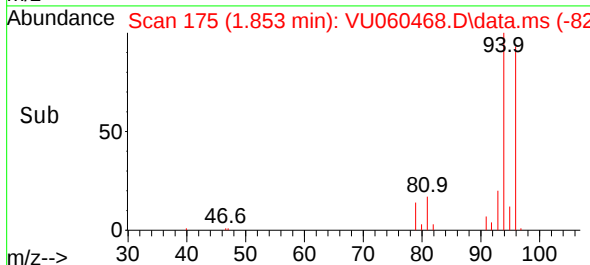
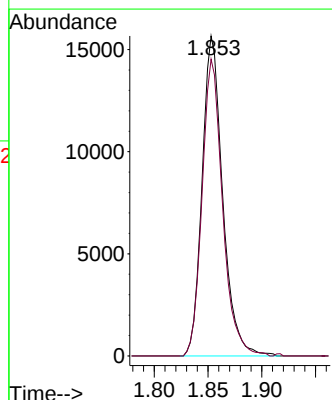
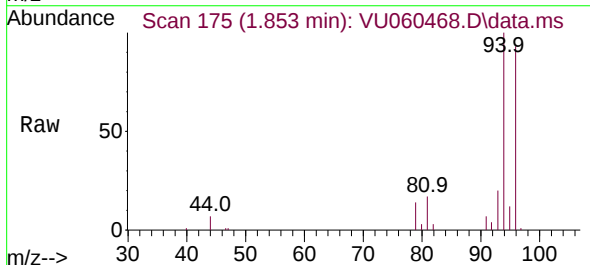


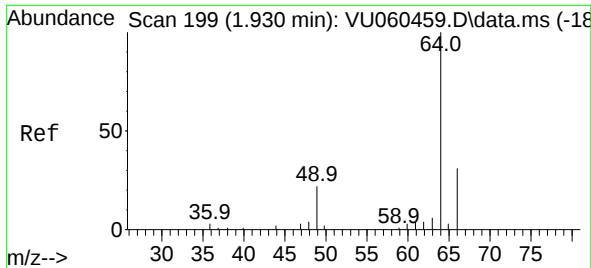
Tgt Ion: 62 Resp: 29665
 Ion Ratio Lower Upper
 62 100
 64 32.0 24.1 44.7



#6
 Bromomethane
 Concen: 4.134 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU060468.D
 Acq: 15 Aug 2024 17:34

Tgt Ion: 94 Resp: 20836
 Ion Ratio Lower Upper
 94 100
 96 92.8 63.2 117.4

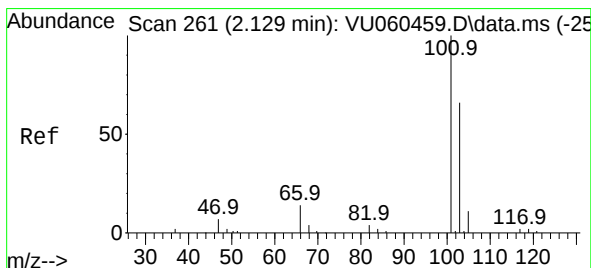
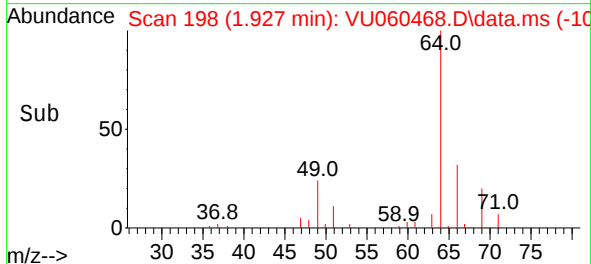
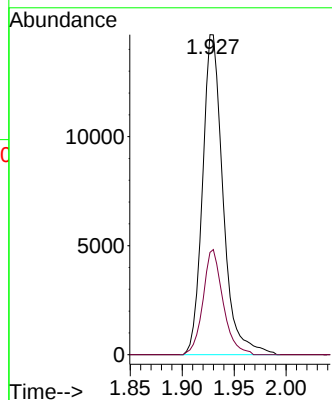
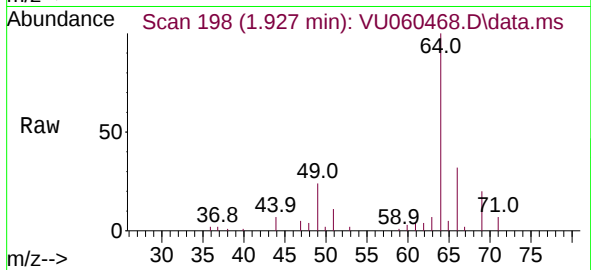




#8
Chloroethane
Concen: 4.163 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

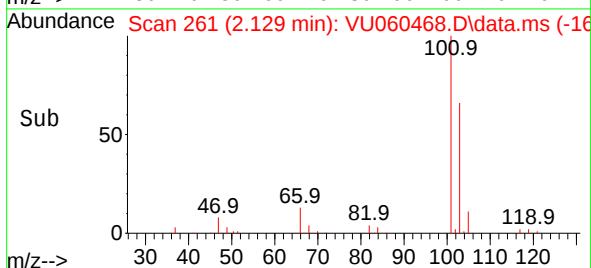
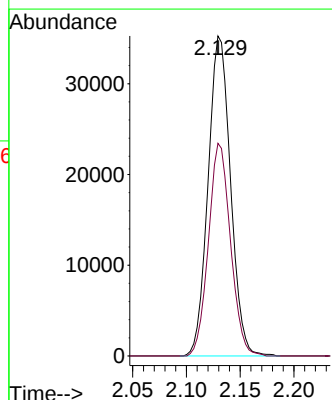
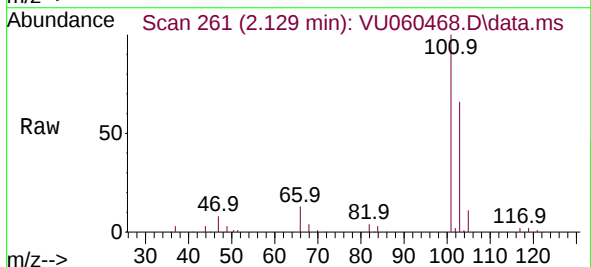
Instrument :
MSVOA_U
ClientSampleId :

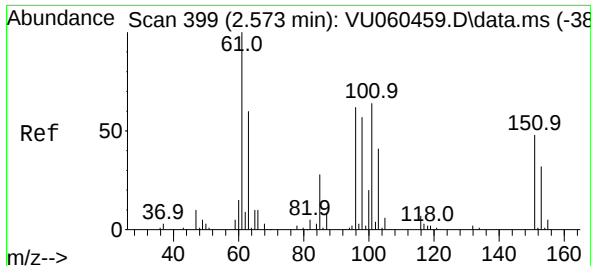
Tgt Ion: 64 Resp: 20095
Ion Ratio Lower Upper
64 100
66 32.0 22.2 41.2



#9
Trichlorofluoromethane
Concen: 5.132 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion:101 Resp: 51211
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5





#10

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

Concen: 4.664 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

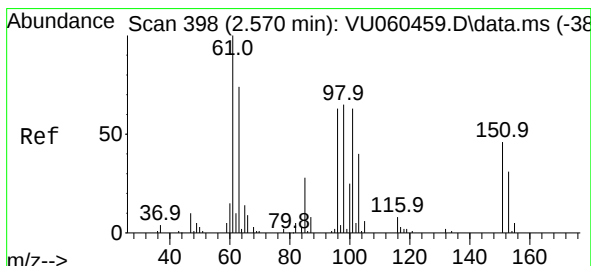
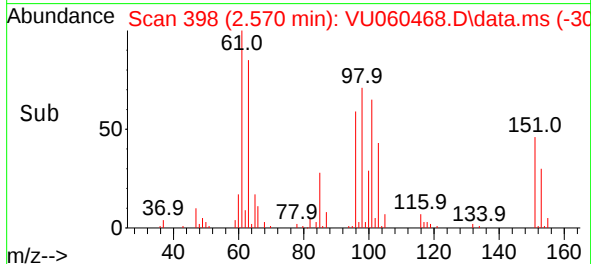
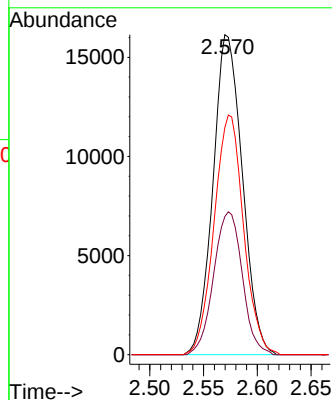
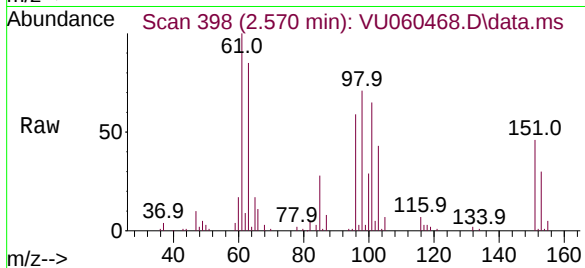
Tgt Ion:101 Resp: 30668

Ion Ratio Lower Upper

101 100

85 43.5 33.5 50.3

151 75.3 59.7 89.5



#12

1,1-Dichloroethene

Concen: 4.267 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

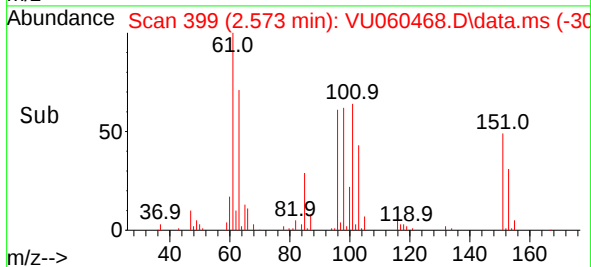
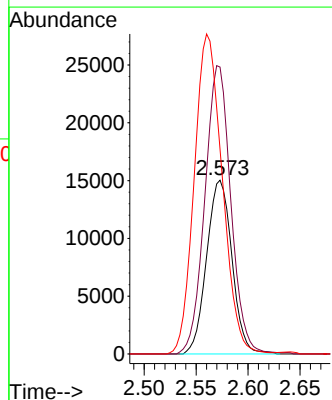
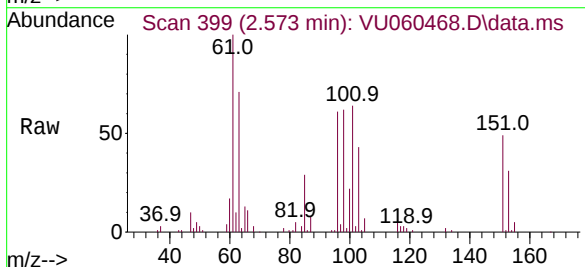
Tgt Ion: 96 Resp: 25489

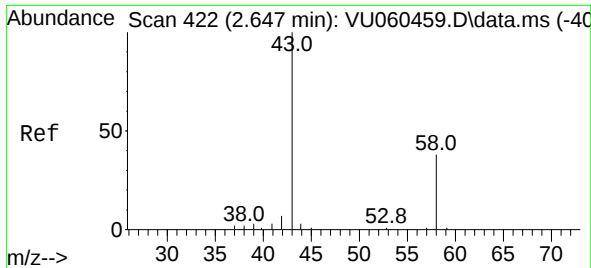
Ion Ratio Lower Upper

96 100

61 165.1 114.4 212.4

63 117.8 96.0 178.4





#13

Acetone

Concen: 51.461 ug/L

RT: 2.647 min Scan# 422

Delta R.T. 0.000 min

Lab File: VU060468.D

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Instrument :

MSVOA_U

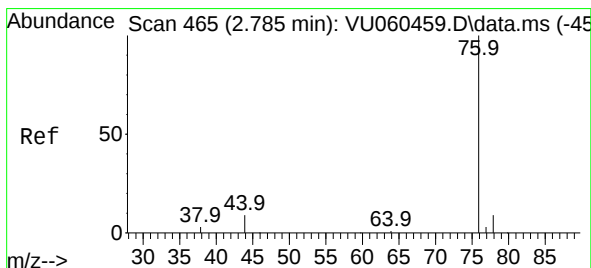
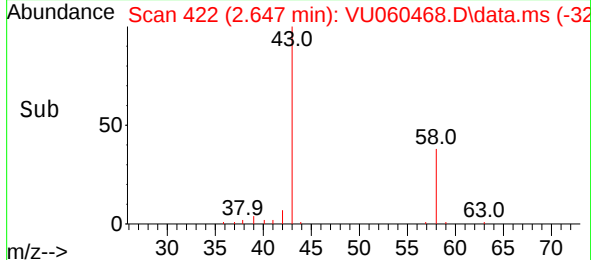
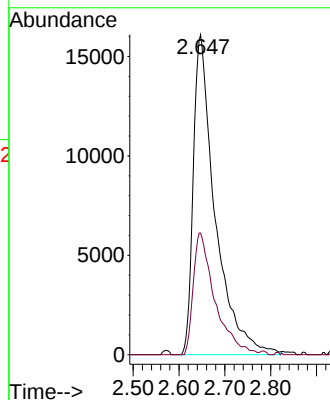
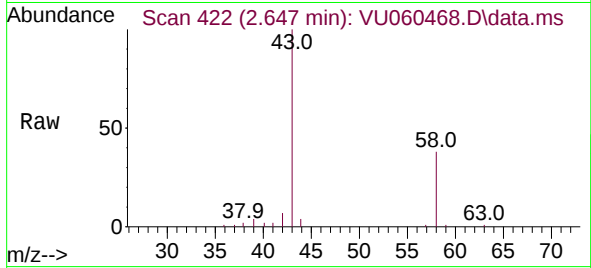
ClientSampleId :

Tgt Ion: 43 Resp: 53038

Ion Ratio Lower Upper

43 100

58 37.7 0.0 78.8



#14

Carbon disulfide

Concen: 3.670 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU060468.D

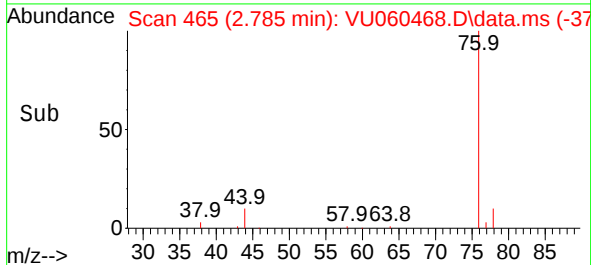
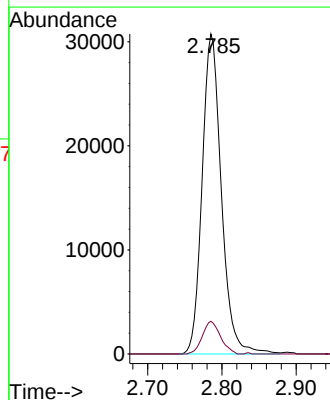
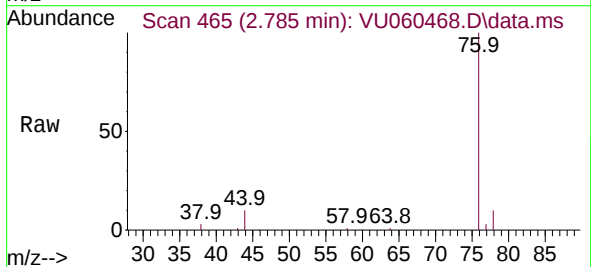
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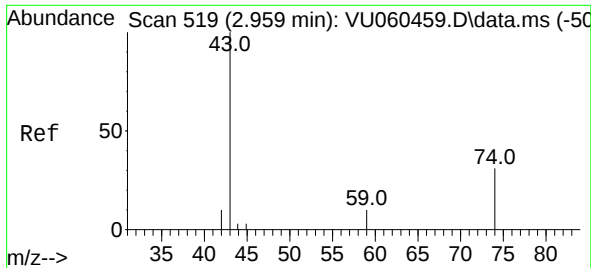
Tgt Ion: 76 Resp: 55312

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0





#15

Methyl Acetate

Concen: 5.828 ug/L

RT: 2.959 min Scan# 519

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

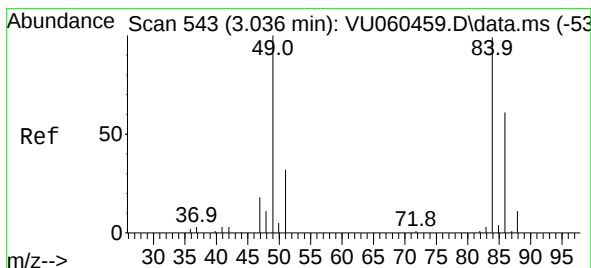
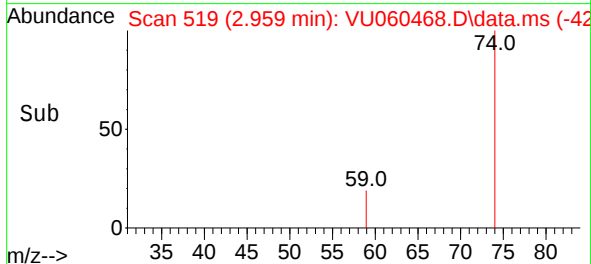
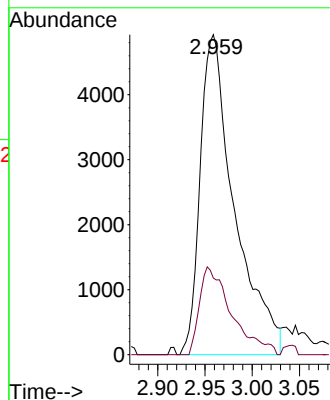
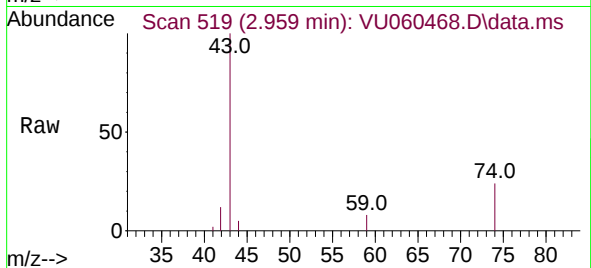
ClientSampleId :

Tgt Ion: 43 Resp: 12446

Ion Ratio Lower Upper

43 100

74 25.6 21.3 31.9



#16

Methylene chloride

Concen: 4.348 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

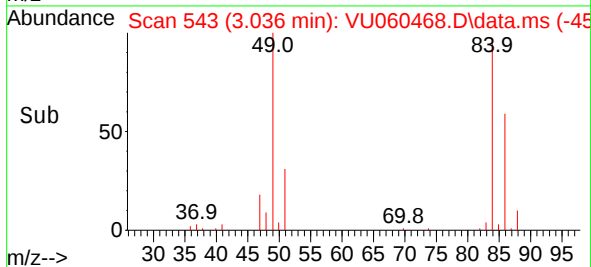
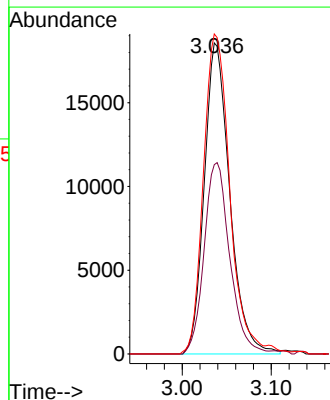
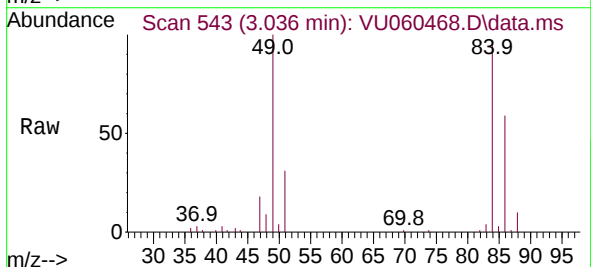
Tgt Ion: 84 Resp: 36921

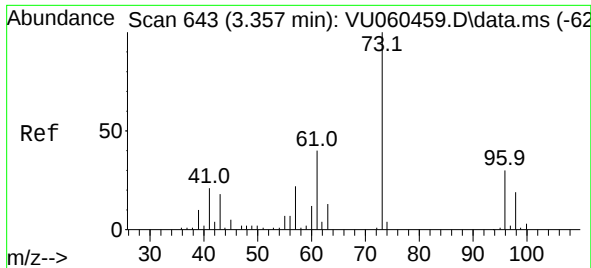
Ion Ratio Lower Upper

84 100

86 60.9 47.1 87.5

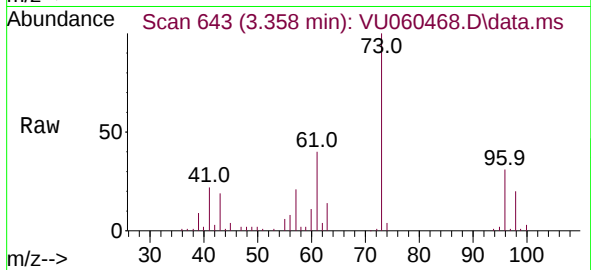
49 102.9 73.9 137.3



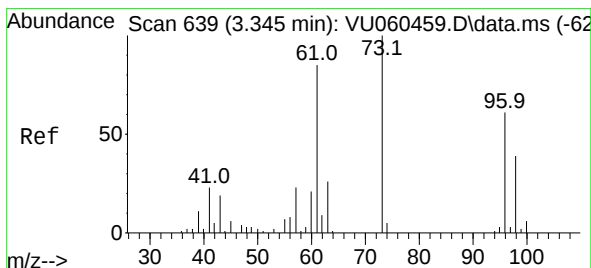
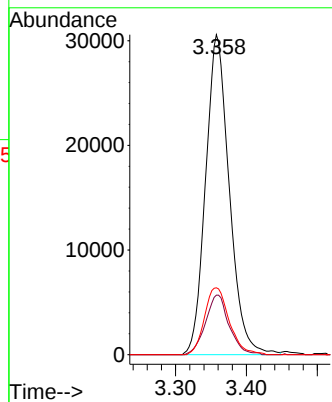
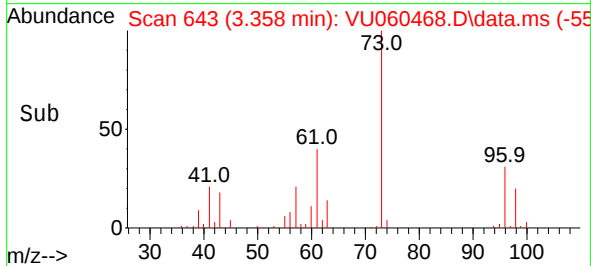


#17
Methyl tert-butyl Ether
Concen: 5.037 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Instrument :
MSVOA_U
ClientSampleId :

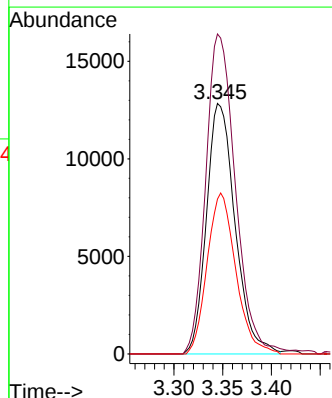
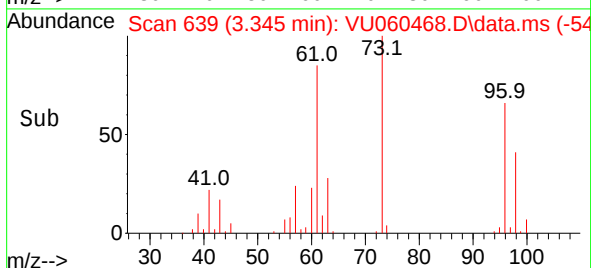
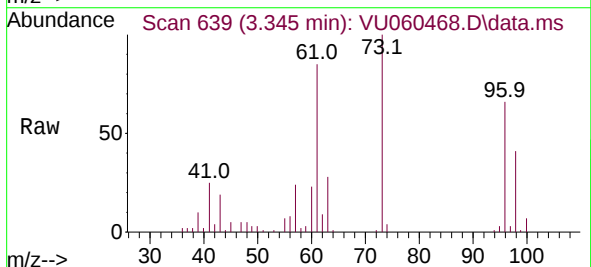


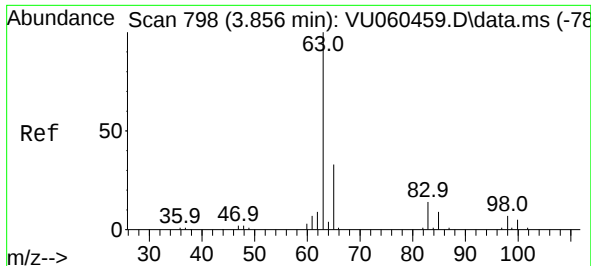
Tgt Ion: 73	Resp:	70941
Ion	Ratio	Lower Upper
73	100	
43	18.6	12.8 19.2
57	21.8	17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 4.481 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion: 96	Resp:	26262
Ion	Ratio	Lower Upper
96	100	
61	127.7	93.7 174.1
98	61.8	44.7 82.9





#19

1,1-Dichloroethane

Concen: 4.845 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.006 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

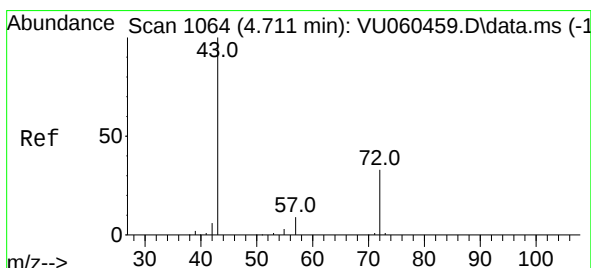
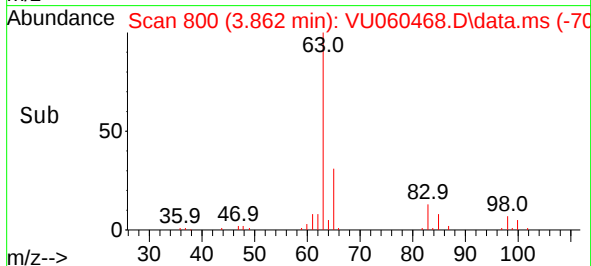
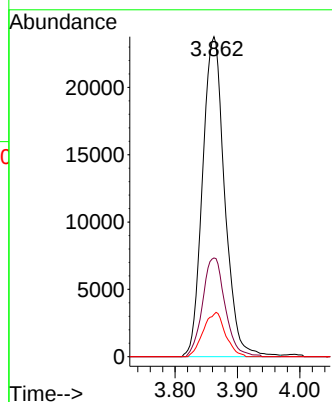
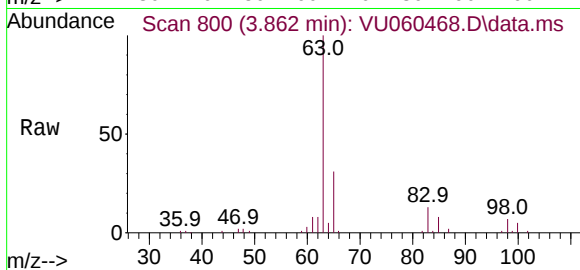
Tgt Ion: 63 Resp: 58623

Ion Ratio Lower Upper

63 100

65 30.8 22.2 41.2

83 13.2 9.1 16.9



#21

2-Butanone

Concen: 52.631 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU060468.D

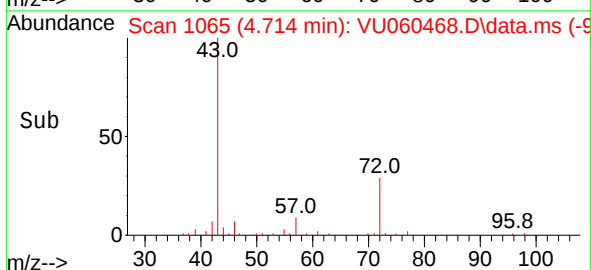
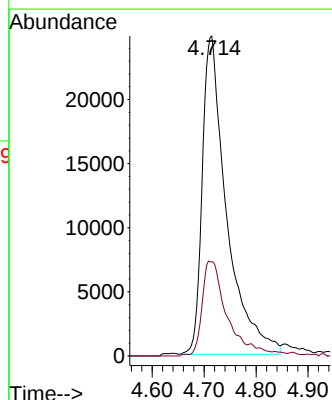
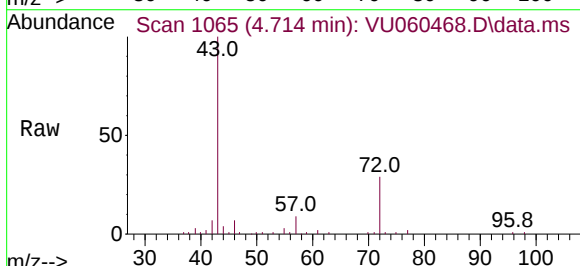
Acq: 15 Aug 2024 17:34

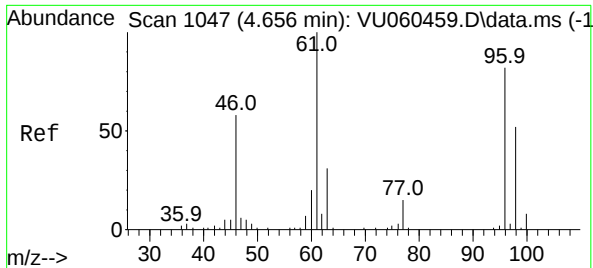
Tgt Ion: 43 Resp: 80848

Ion Ratio Lower Upper

43 100

72 27.1 15.9 47.6

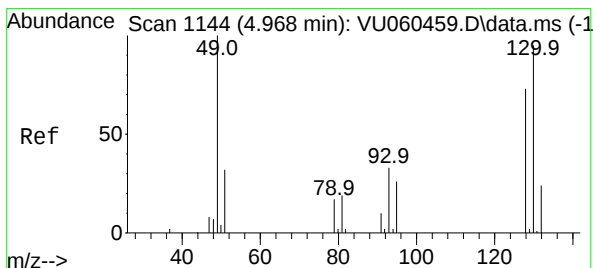
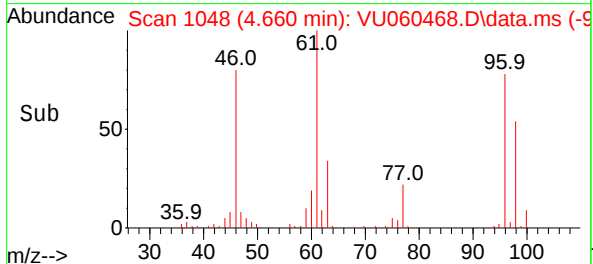
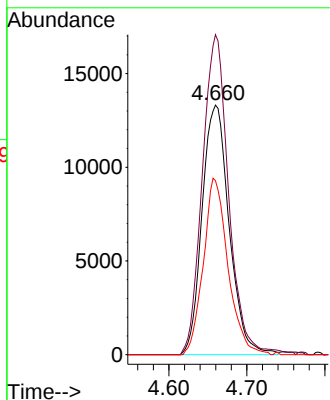
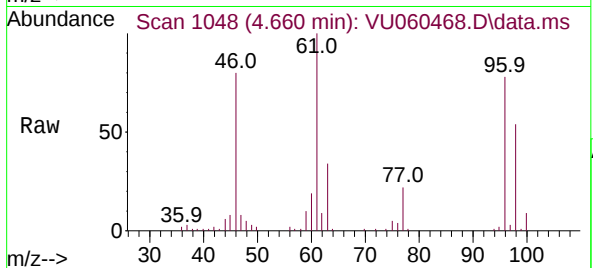




#22
 cis-1,2-Dichloroethene
 Concen: 4.556 ug/L
 RT: 4.660 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU060468.D
 Acq: 15 Aug 2024 17:34

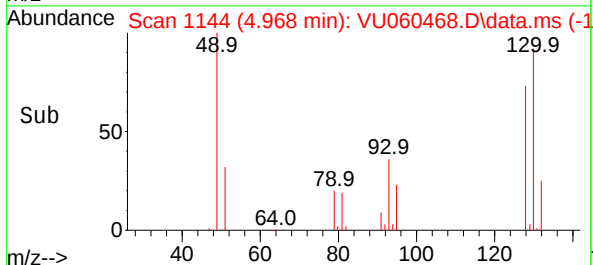
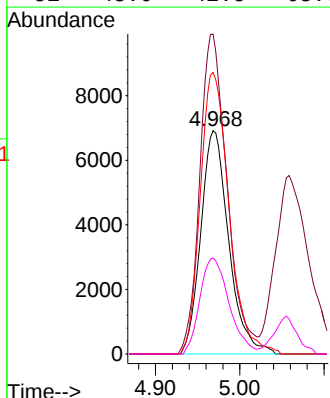
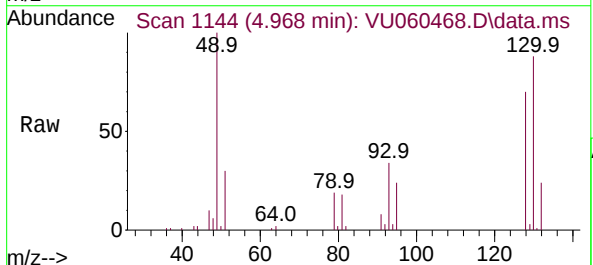
Instrument :
 MSVOA_U
 ClientSampleId :

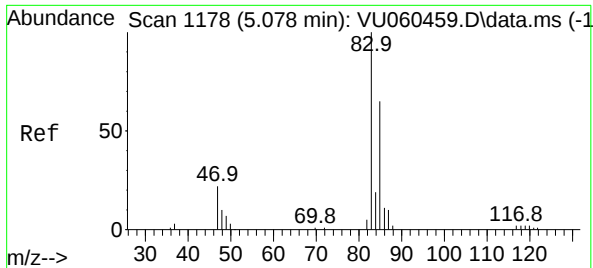
Tgt Ion: 96 Resp: 32234
 Ion Ratio Lower Upper
 96 100
 61 128.2 81.5 151.5
 98 69.7 43.5 80.7



#23
 Bromochloromethane
 Concen: 4.878 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU060468.D
 Acq: 15 Aug 2024 17:34

Tgt Ion:128 Resp: 15928
 Ion Ratio Lower Upper
 128 100
 49 143.2 101.0 187.6
 130 126.1 92.7 172.1
 51 43.0 42.5 63.7





#25

Chloroform

Concen: 5.024 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

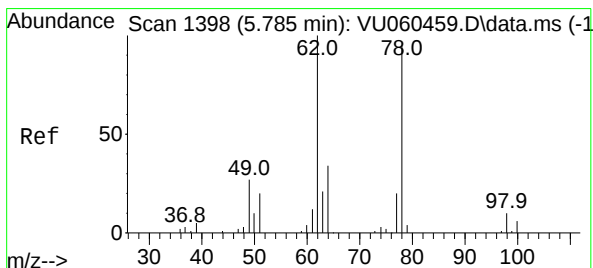
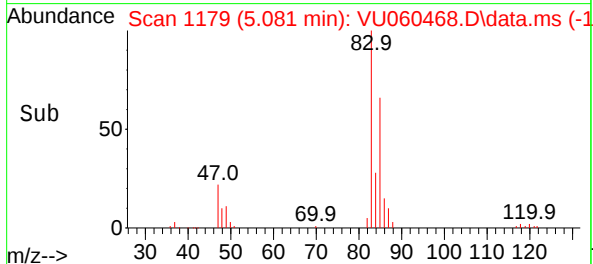
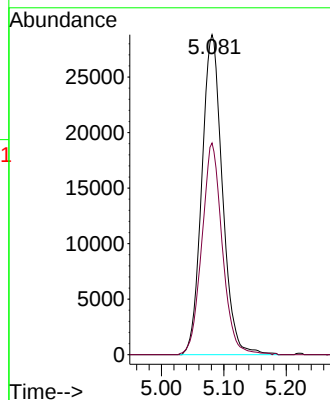
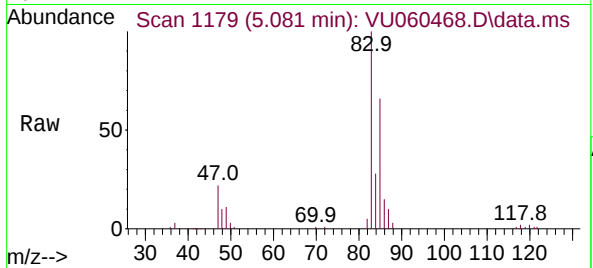
ClientSampleId :

Tgt Ion: 83 Resp: 66130

Ion Ratio Lower Upper

83 100

85 66.2 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.495 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU060468.D

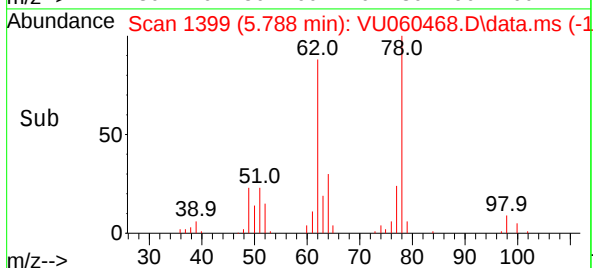
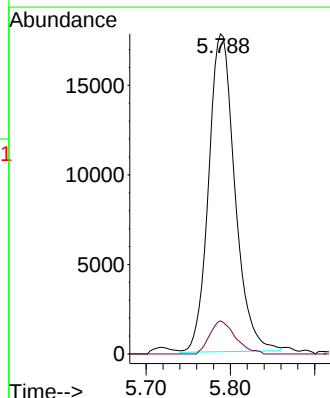
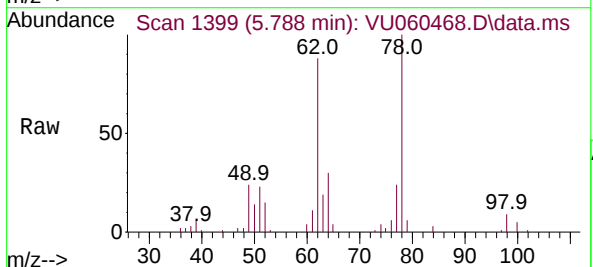
Acq: 15 Aug 2024 17:34

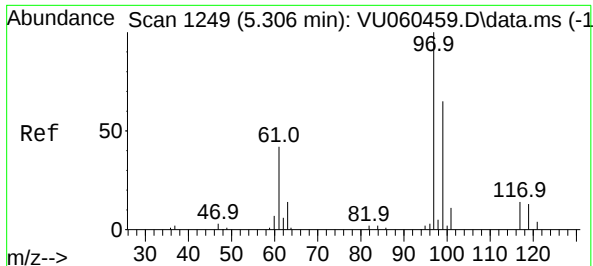
Tgt Ion: 62 Resp: 38465

Ion Ratio Lower Upper

62 100

98 10.3 9.0 13.6

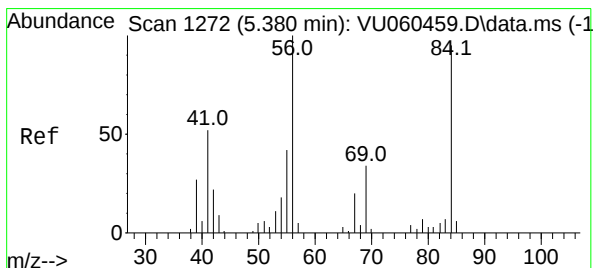
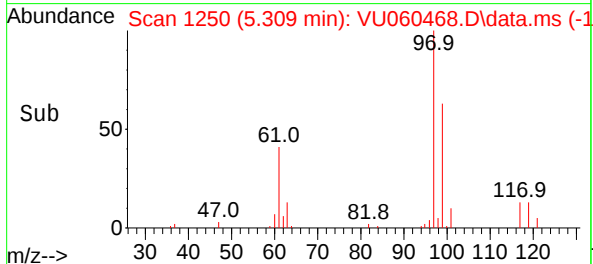
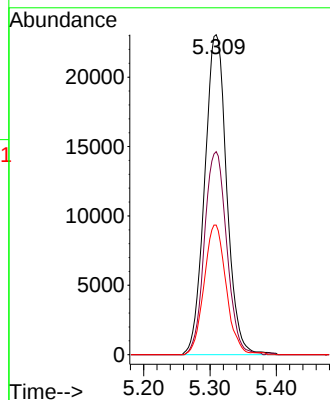
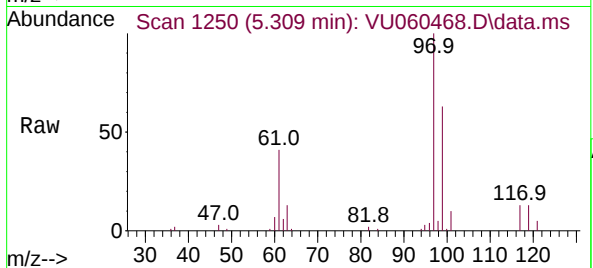




#29
1,1,1-Trichloroethane
Concen: 5.085 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

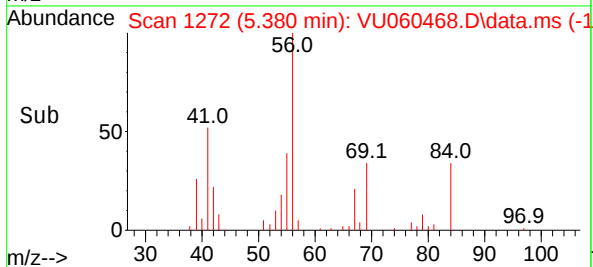
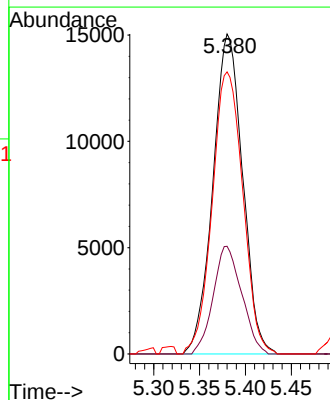
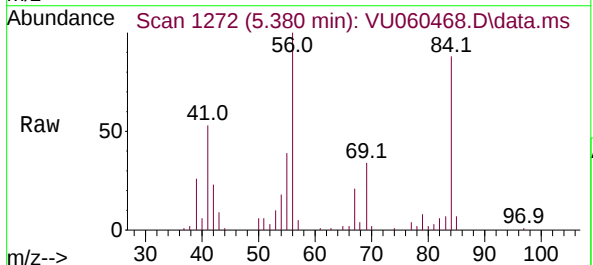
Instrument :
MSVOA_U
ClientSampleId :

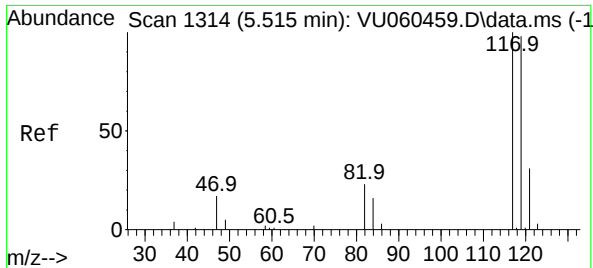
Tgt Ion: 97 Resp: 53432
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.2
61 40.4 33.0 49.6



#30
Cyclohexane
Concen: 3.985 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion: 56 Resp: 33896
Ion Ratio Lower Upper
56 100
69 32.3 24.7 37.1
84 90.8 70.7 106.1

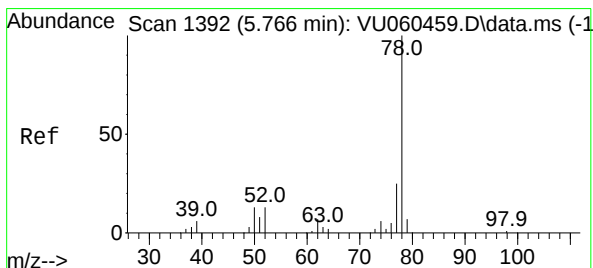
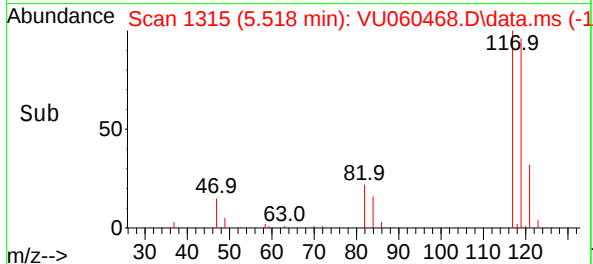
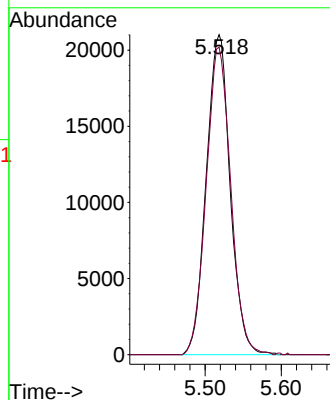
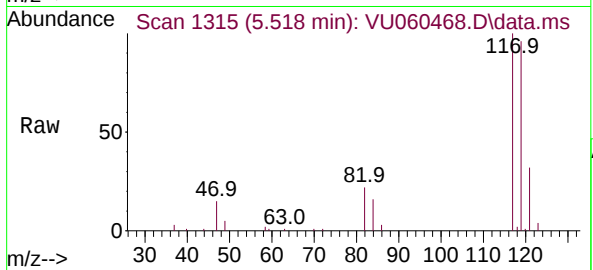




#31
Carbon tetrachloride
Concen: 4.993 ug/L
RT: 5.518 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

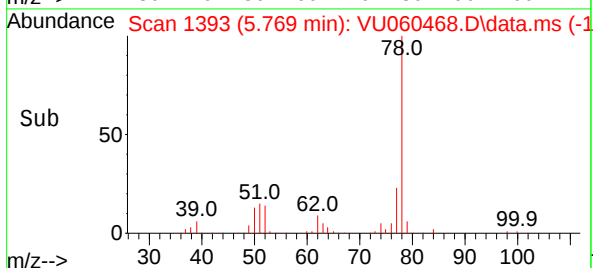
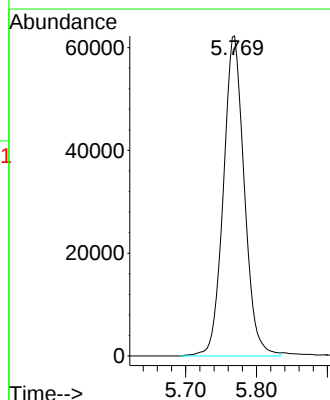
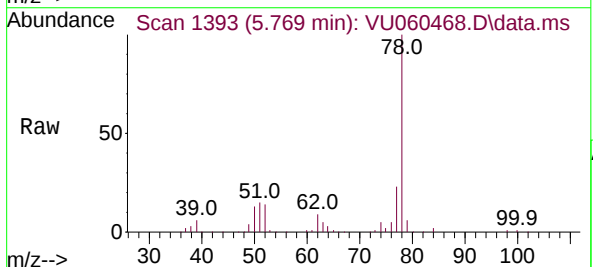
Instrument :
MSVOA_U
ClientSampleId :

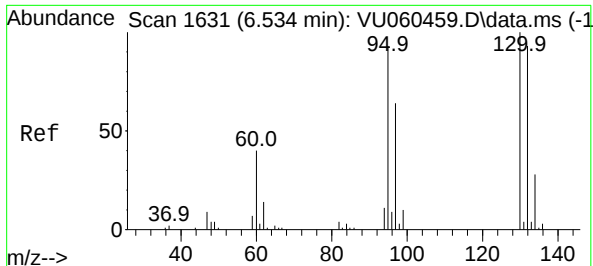
Tgt Ion:117 Resp: 45978
Ion Ratio Lower Upper
117 100
119 98.5 75.8 113.8



#33
Benzene
Concen: 4.626 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion: 78 Resp: 127842





#34

Trichloroethene

Concen: 4.591 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 33207

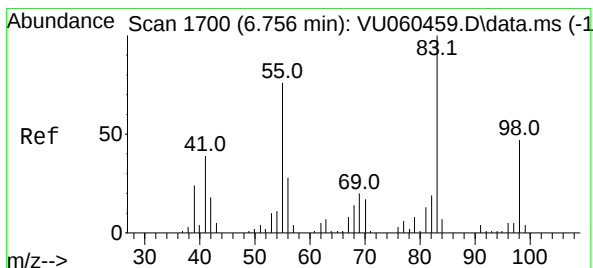
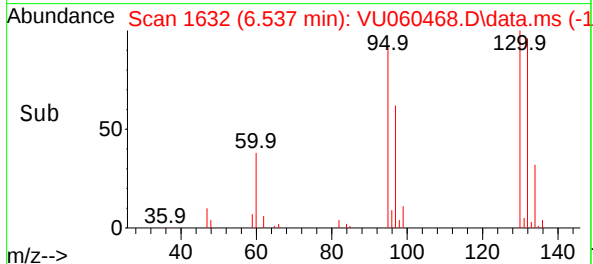
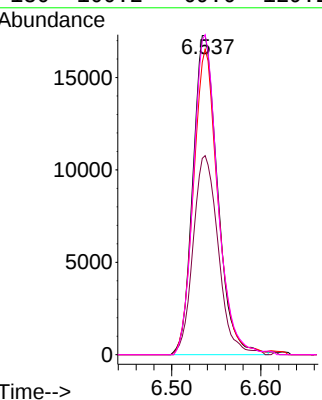
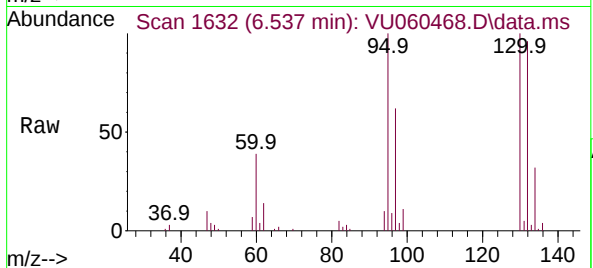
Ion Ratio Lower Upper

95 100

97 62.3 43.6 81.0

132 95.7 67.1 124.5

130 100.2 69.6 129.2



#35

Methylcyclohexane

Concen: 4.049 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

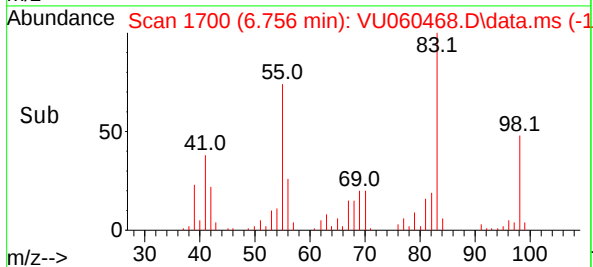
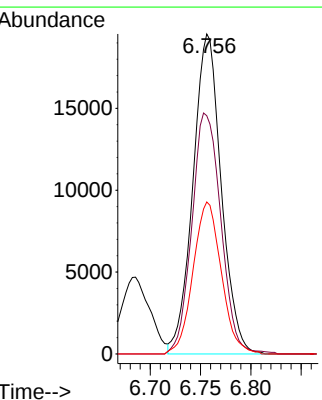
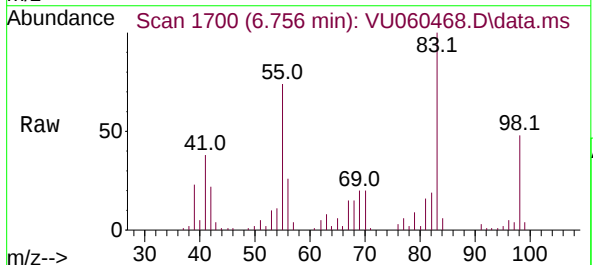
Tgt Ion: 83 Resp: 38243

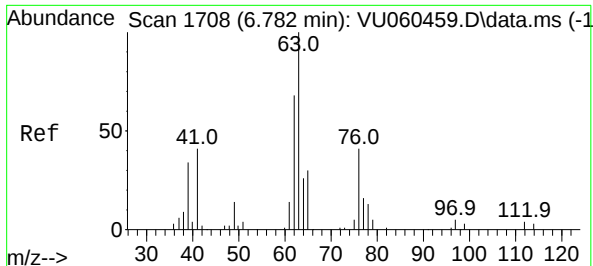
Ion Ratio Lower Upper

83 100

55 77.3 62.4 93.6

98 47.4 37.3 55.9

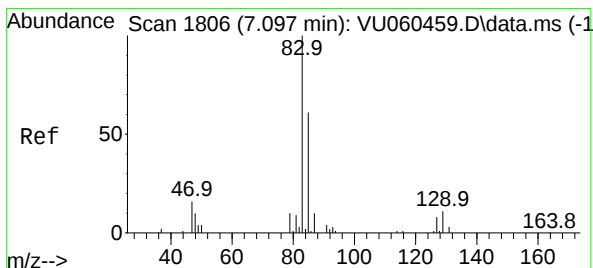
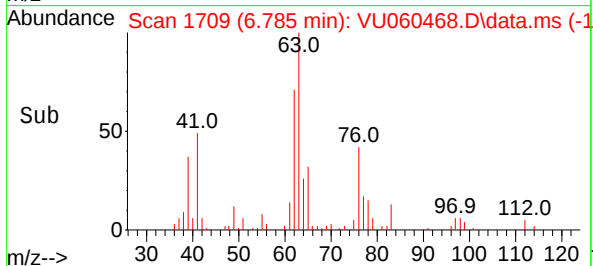
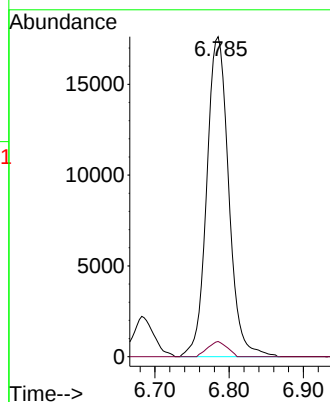
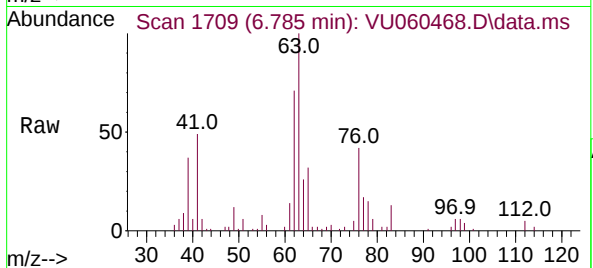




#37
1,2-Dichloropropane
Concen: 4.812 ug/L
RT: 6.785 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

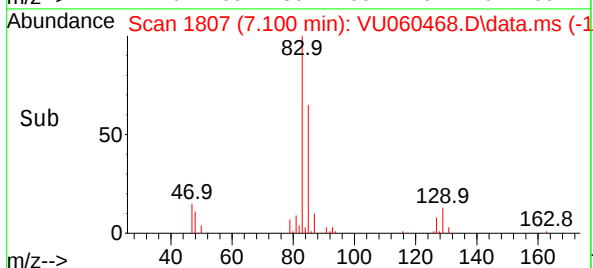
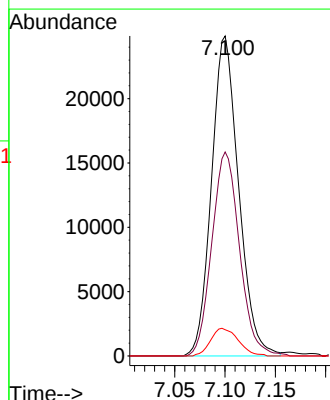
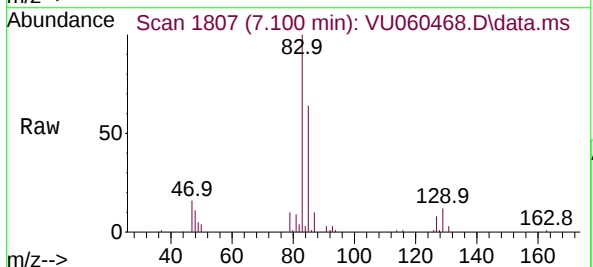
Instrument :
MSVOA_U
ClientSampleId :

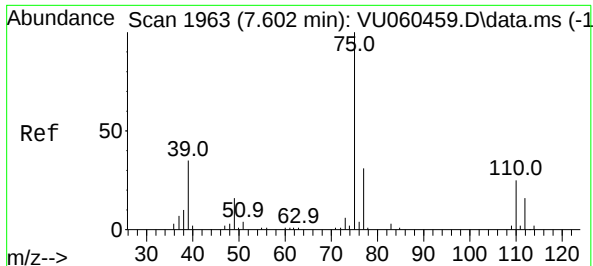
Tgt Ion: 63 Resp: 36191
Ion Ratio Lower Upper
63 100
112 4.2 3.3 4.9



#38
Bromodichloromethane
Concen: 5.020 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion: 83 Resp: 46662
Ion Ratio Lower Upper
83 100
85 63.7 42.4 78.8
127 8.2 7.0 10.4

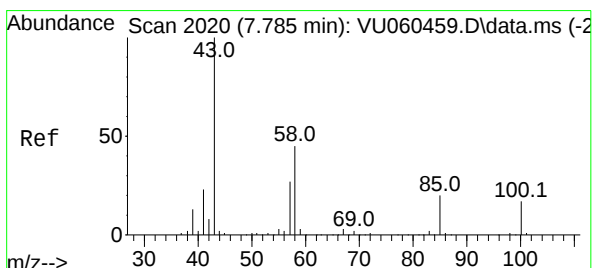
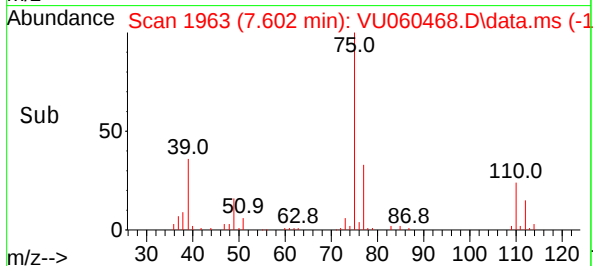
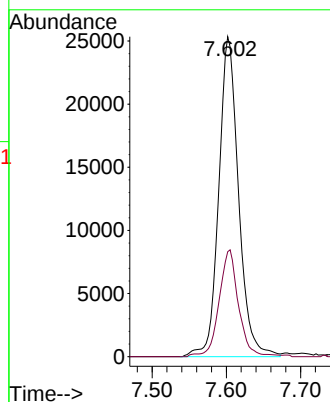
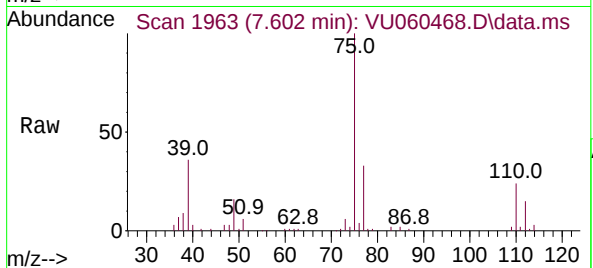




#39
cis-1,3-Dichloropropene
Concen: 4.607 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

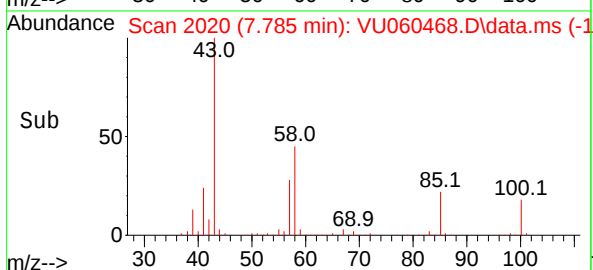
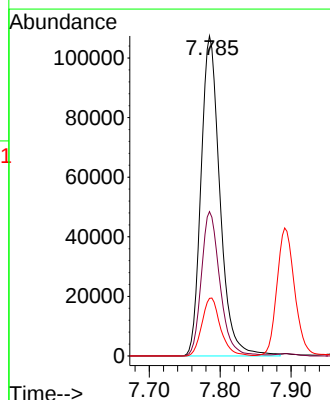
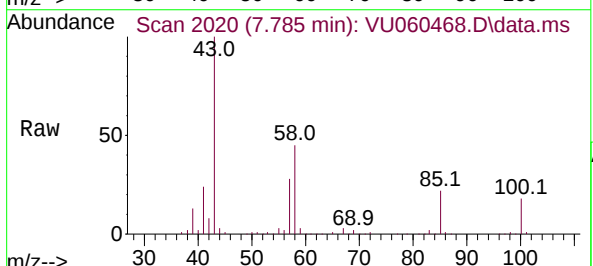
Instrument :
MSVOA_U
ClientSampleId :

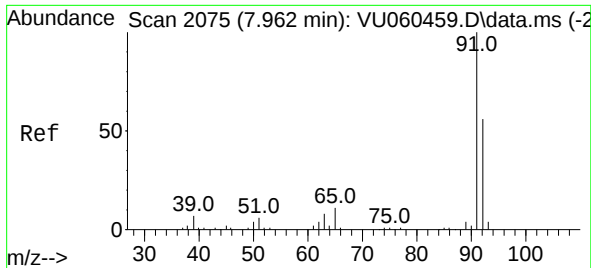
Tgt Ion: 75 Resp: 47065
Ion Ratio Lower Upper
75 100
77 32.8 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 56.692 ug/L
RT: 7.785 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion: 43 Resp: 199022
Ion Ratio Lower Upper
43 100
58 44.4 36.6 55.0
100 17.8 14.1 21.1





#42

Toluene

Concen: 4.740 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

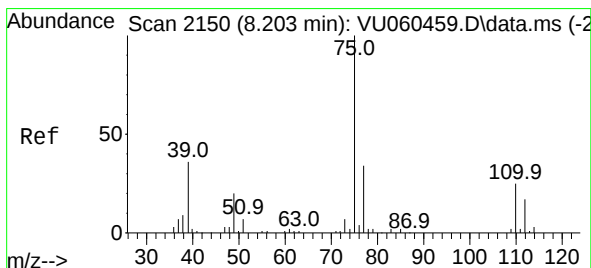
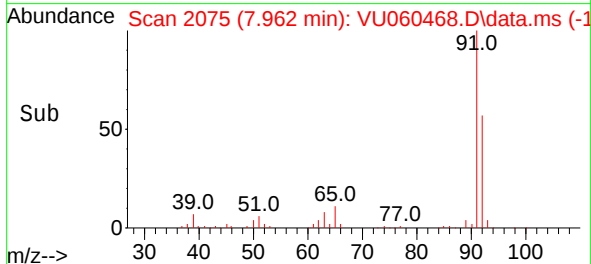
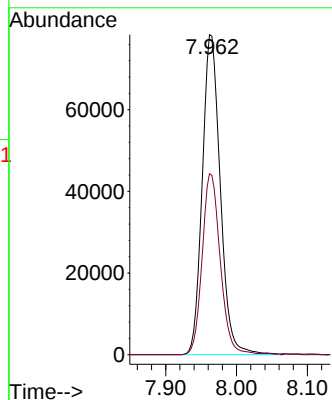
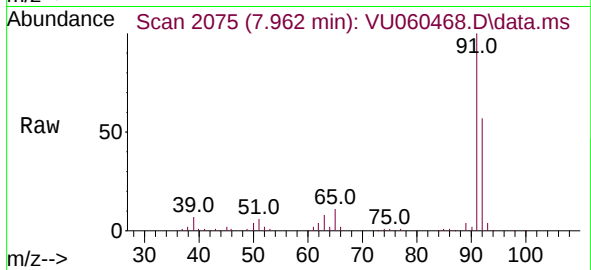
ClientSampleId :

Tgt Ion: 91 Resp: 138414

Ion Ratio Lower Upper

91 100

92 56.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.095 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU060468.D

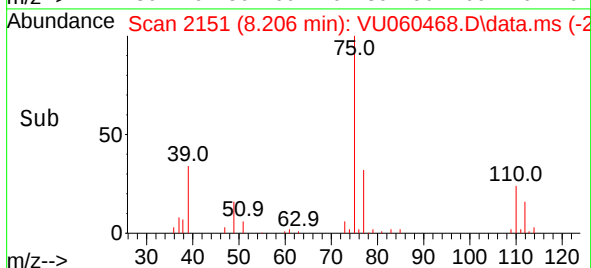
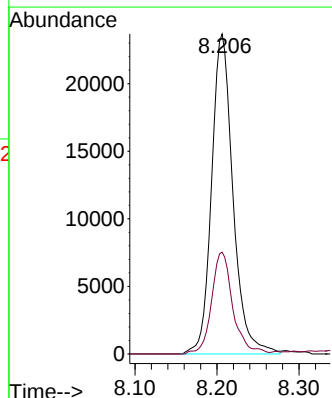
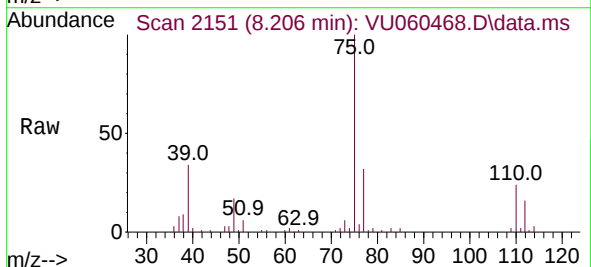
Acq: 15 Aug 2024 17:34

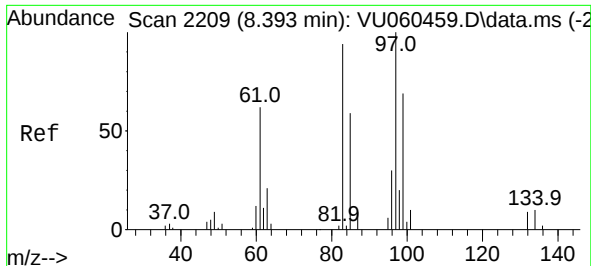
Tgt Ion: 75 Resp: 42998

Ion Ratio Lower Upper

75 100

77 31.8 25.0 46.4





#45

1,1,2-Trichloroethane

Concen: 5.002 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 28812

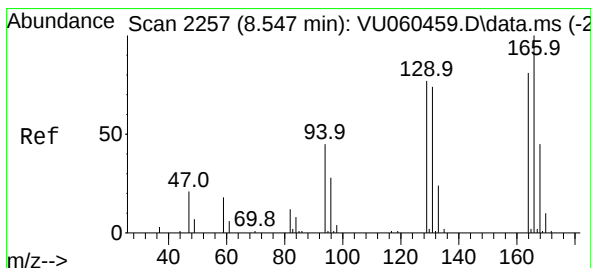
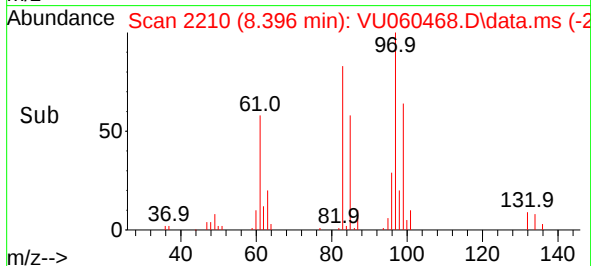
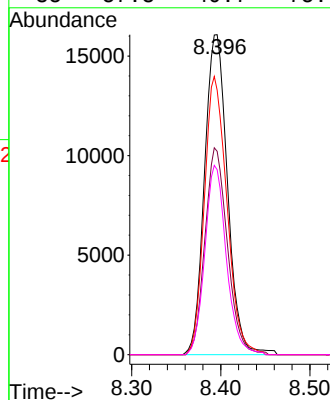
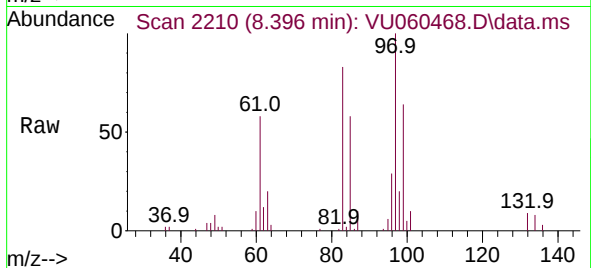
Ion Ratio Lower Upper

97 100

99 63.5 45.8 85.0

83 82.6 61.7 114.5

85 57.8 40.7 75.7



#47

Tetrachloroethene

Concen: 4.553 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Tgt Ion:164 Resp: 25760

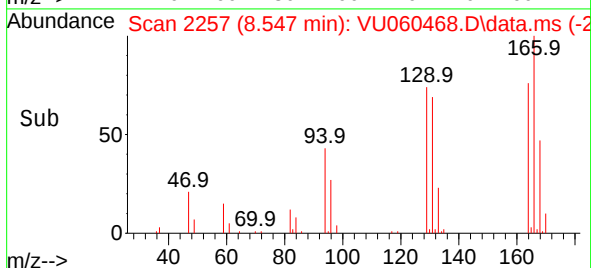
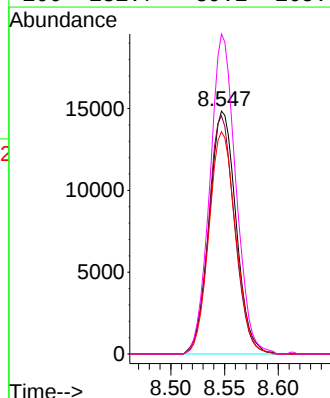
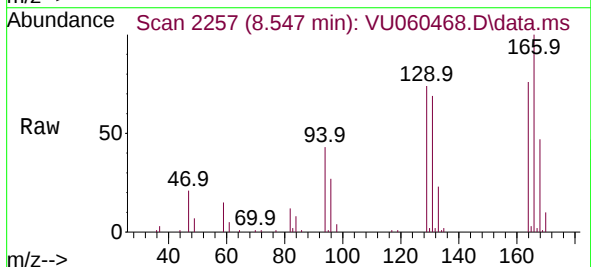
Ion Ratio Lower Upper

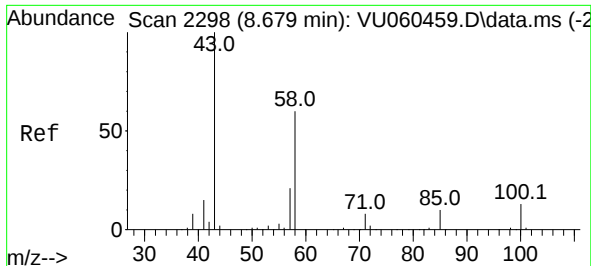
164 100

129 98.1 69.0 128.1

131 91.5 62.6 116.3

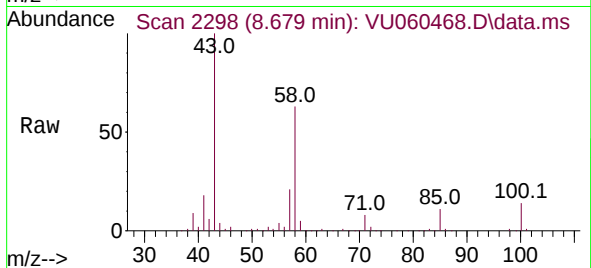
166 131.7 89.2 165.8



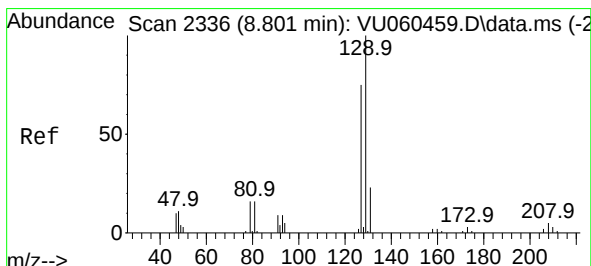
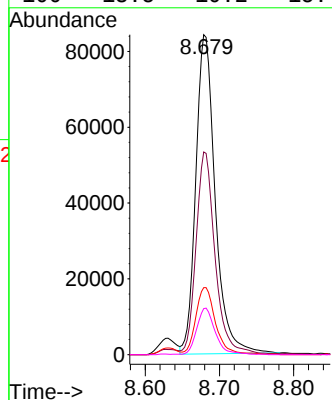
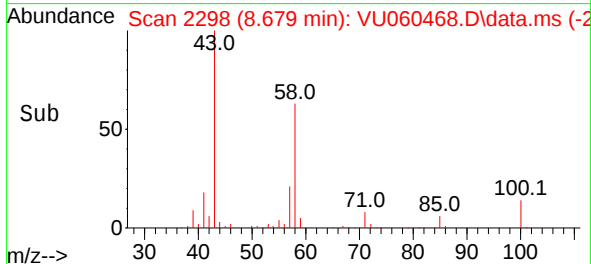


#48
2-Hexanone
Concen: 57.681 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Instrument :
MSVOA_U
ClientSampleId :

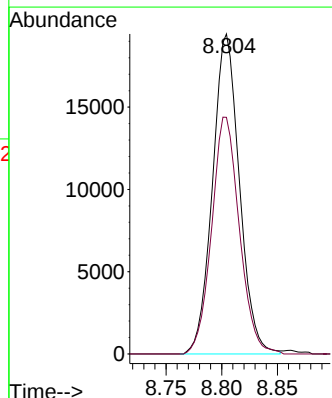
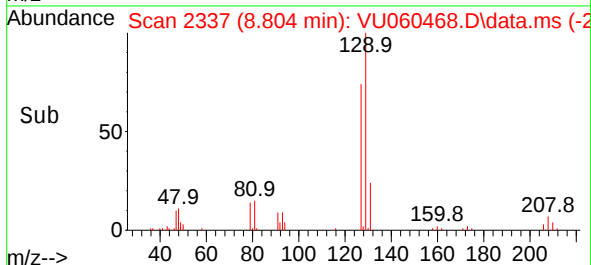
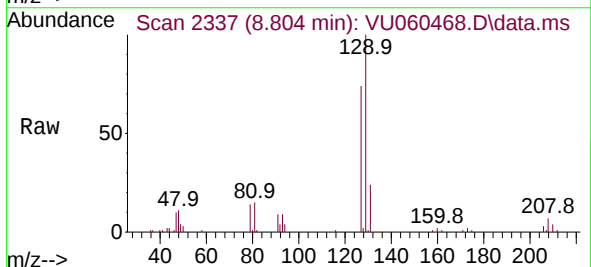


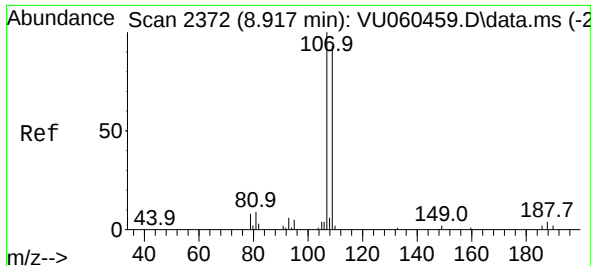
Tgt Ion: 43 Resp: 153508
Ion Ratio Lower Upper
43 100
58 61.8 50.9 76.3
57 21.1 17.4 26.0
100 13.5 10.2 15.4



#49
Dibromochloromethane
Concen: 5.333 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion: 129 Resp: 32666
Ion Ratio Lower Upper
129 100
127 73.9 51.9 96.3





#50

1,2-Dibromoethane

Concen: 4.984 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

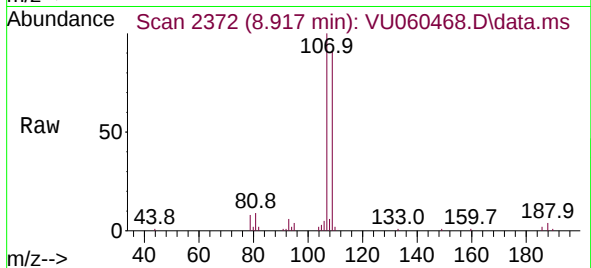
Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

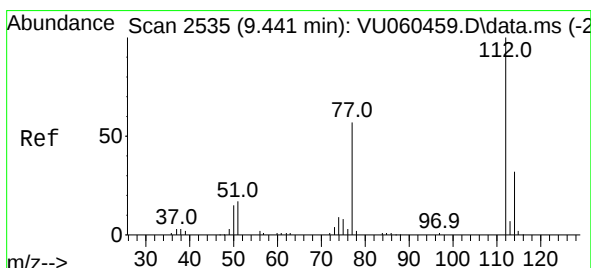
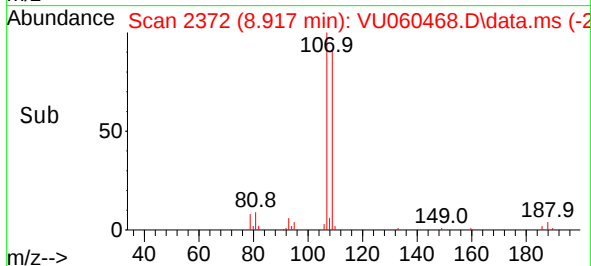
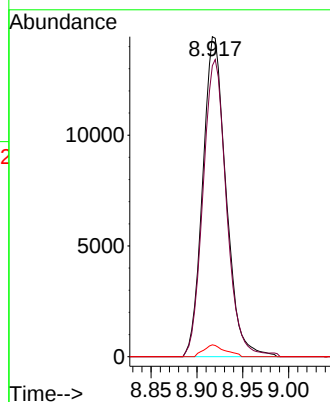
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	25554
Ion	Ratio	Lower	Upper
107	100		
109	90.9	64.8	120.3
188	3.7	2.6	3.8



#51

Chlorobenzene

Concen: 4.626 ug/L

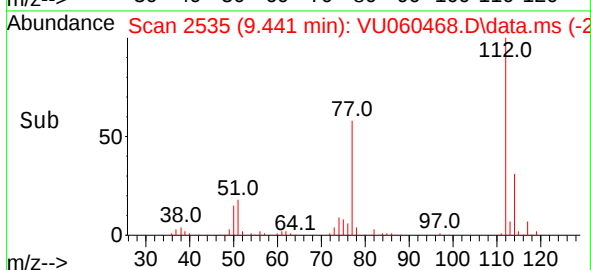
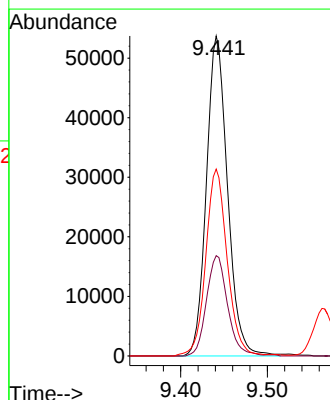
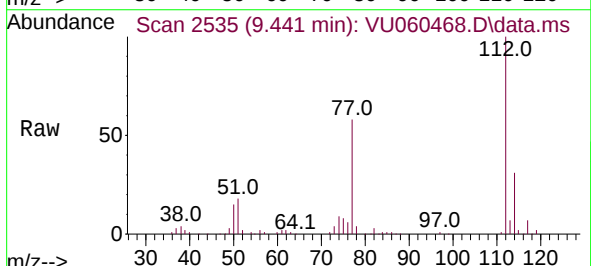
RT: 9.441 min Scan# 2535

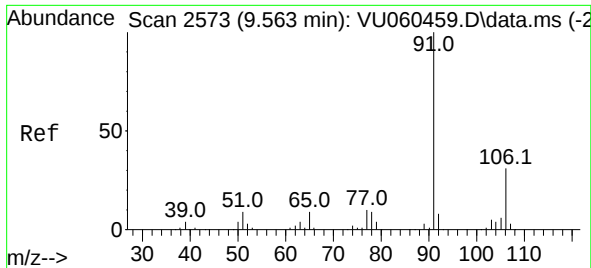
Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Tgt Ion:	112	Resp:	91132
Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.3	39.5
77	58.4	44.6	67.0

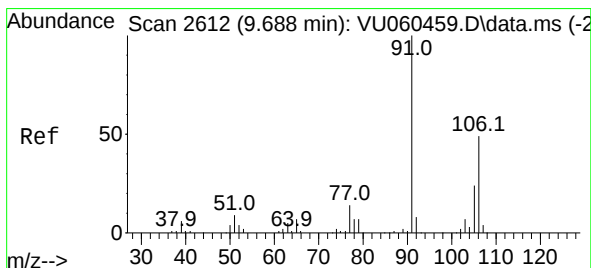
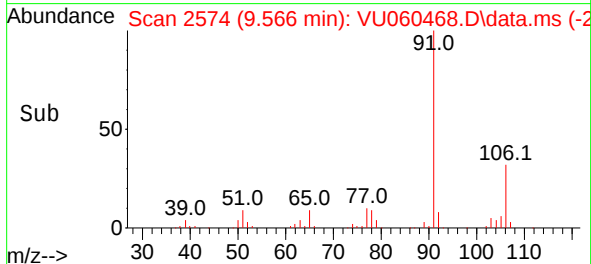
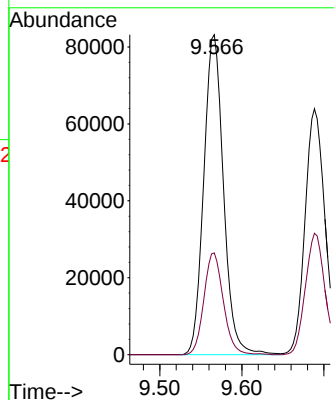
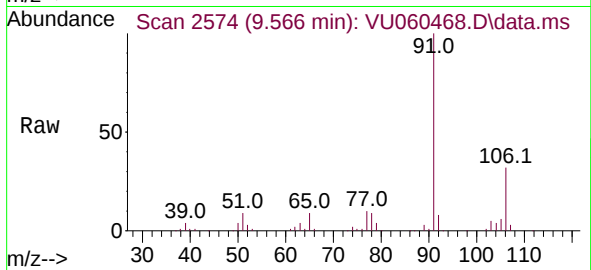




#52
Ethylbenzene
Concen: 4.520 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

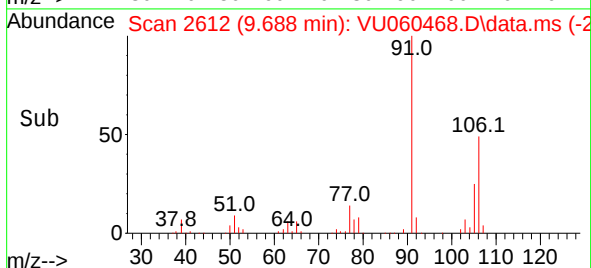
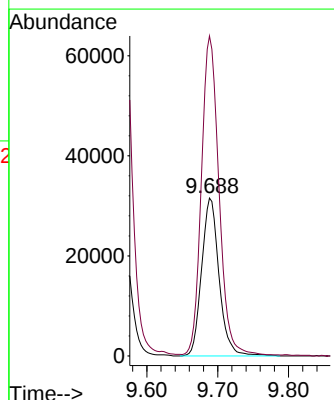
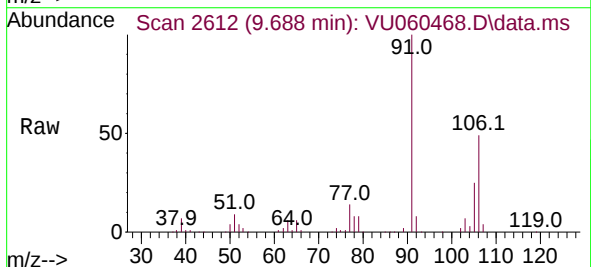
Instrument :
MSVOA_U
ClientSampleId :

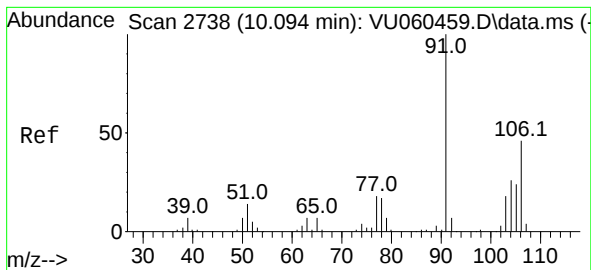
Tgt Ion: 91 Resp: 139049
Ion Ratio Lower Upper
91 100
106 31.8 21.6 40.2



#53
m,p-Xylene
Concen: 4.617 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion:106 Resp: 53984
Ion Ratio Lower Upper
106 100
91 202.6 143.2 266.0





#54

o-Xylene

Concen: 4.675 ug/L

RT: 10.097 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

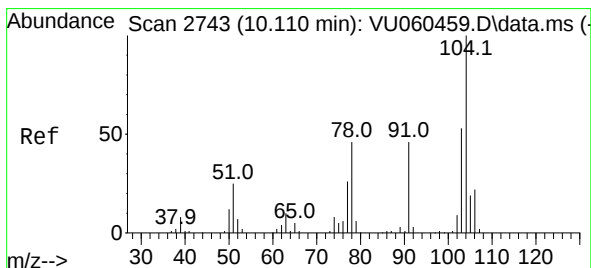
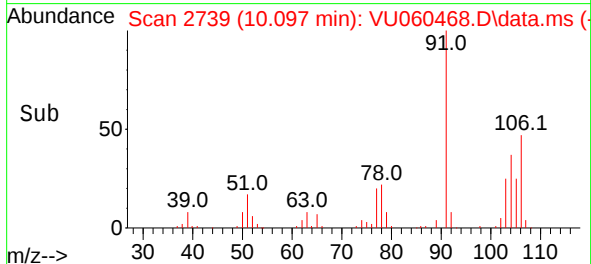
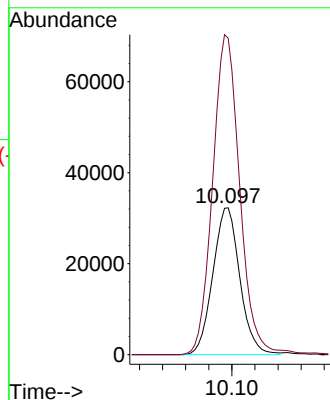
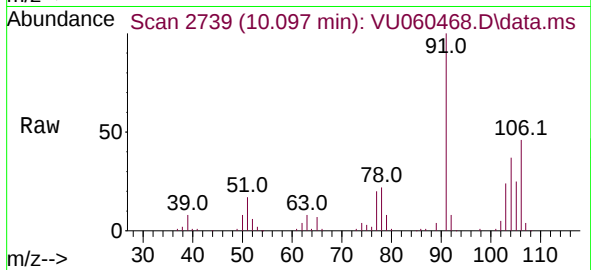
ClientSampleId :

Tgt Ion:106 Resp: 52300

Ion Ratio Lower Upper

106 100

91 215.4 150.2 279.0



#55

Styrene

Concen: 4.889 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU060468.D

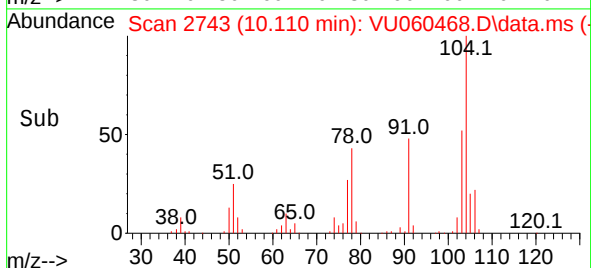
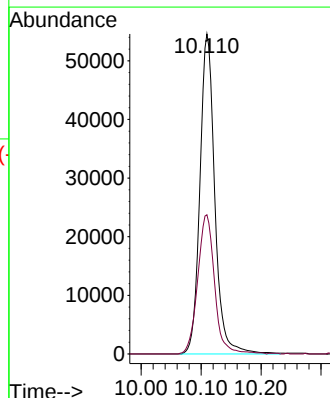
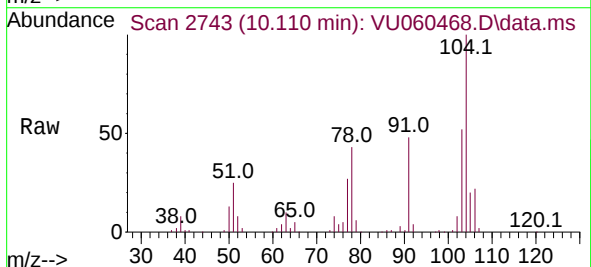
Acq: 15 Aug 2024 17:34

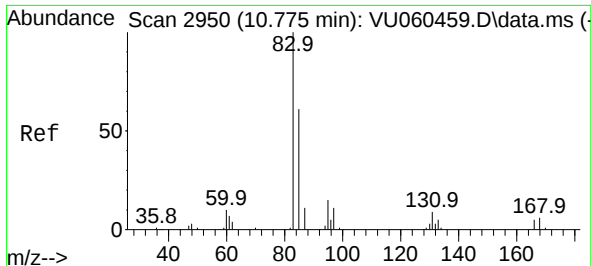
Tgt Ion:104 Resp: 94641

Ion Ratio Lower Upper

104 100

78 43.5 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.213 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

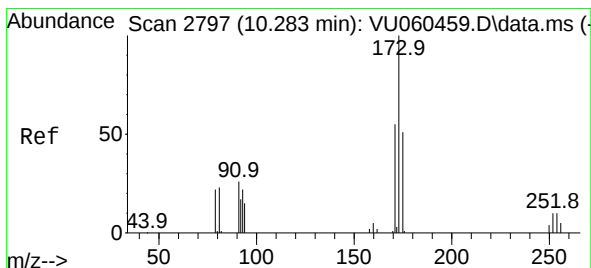
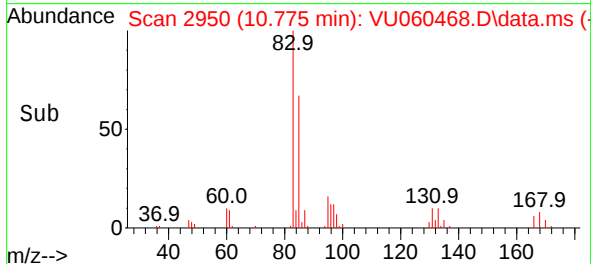
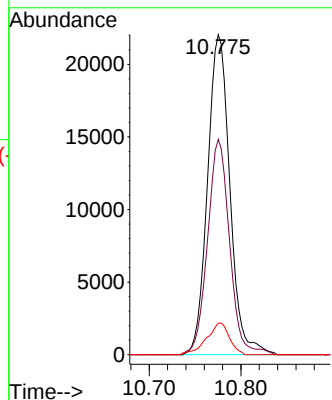
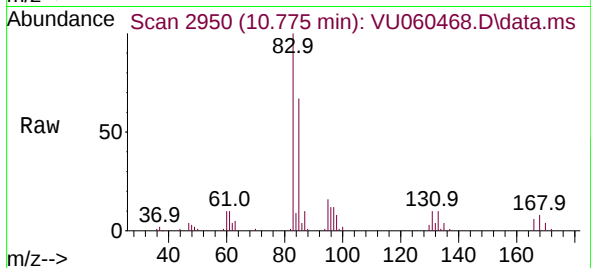
Tgt Ion: 83 Resp: 37338

Ion Ratio Lower Upper

83 100

85 67.3 46.1 85.5

131 9.8 7.6 11.4



#59

Bromoform

Concen: 5.239 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

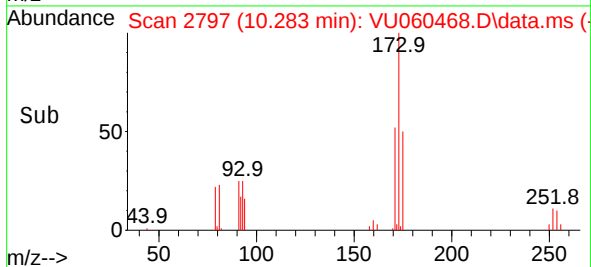
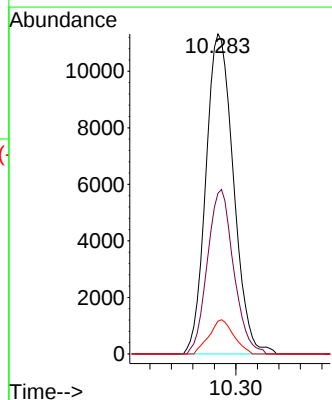
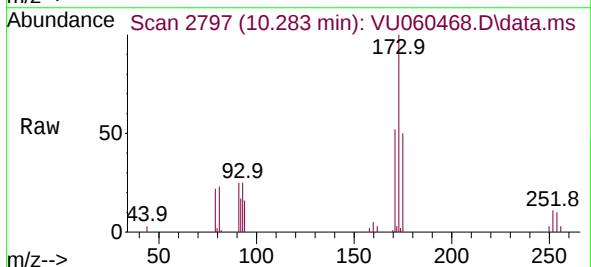
Tgt Ion:173 Resp: 20136

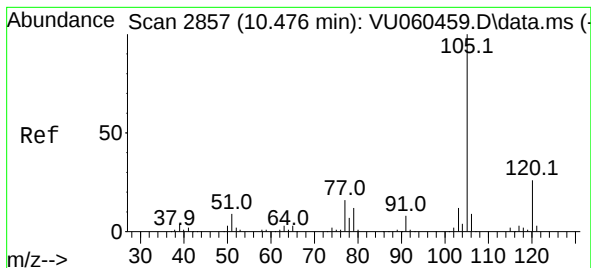
Ion Ratio Lower Upper

173 100

175 48.8 39.7 59.5

254 9.5 8.2 12.4





#60

Isopropylbenzene

Concen: 4.670 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

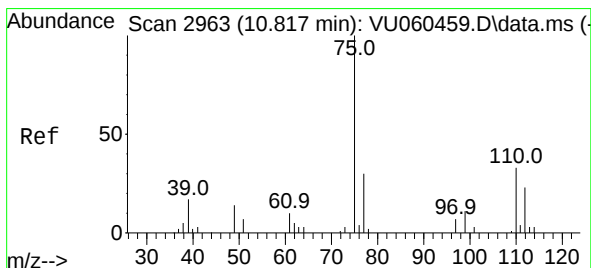
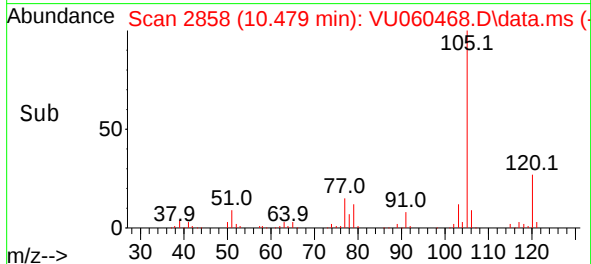
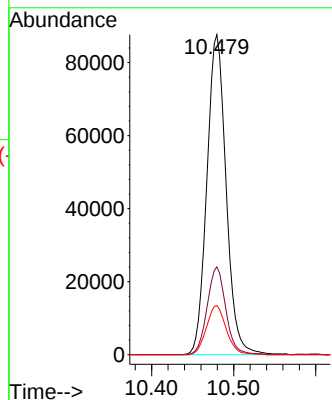
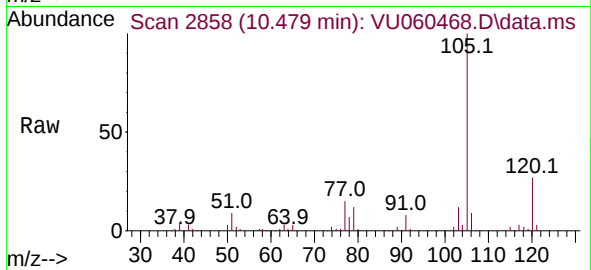
Tgt Ion:105 Resp: 142748

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.293 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

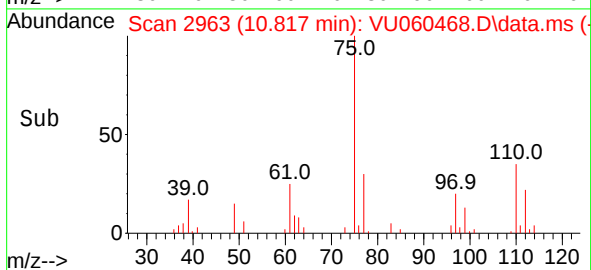
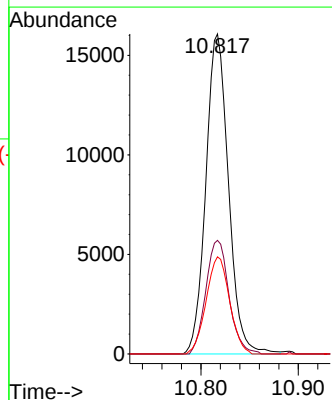
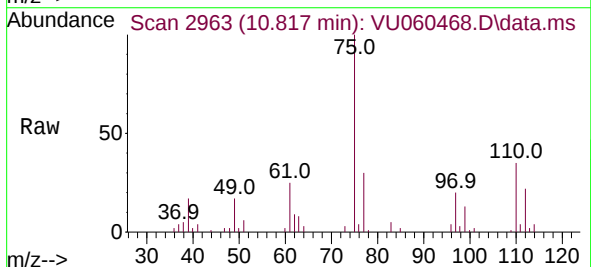
Tgt Ion: 75 Resp: 25941

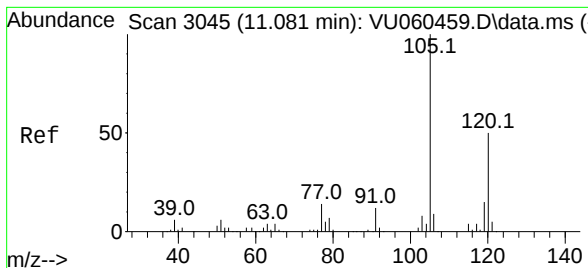
Ion Ratio Lower Upper

75 100

110 36.2 29.9 44.9

77 31.3 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 4.666 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

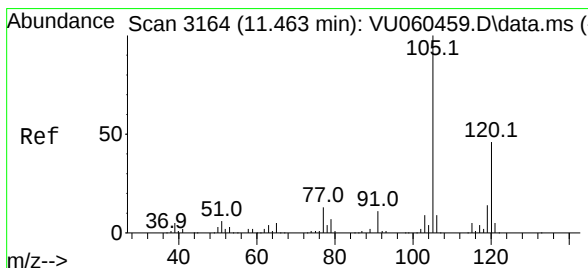
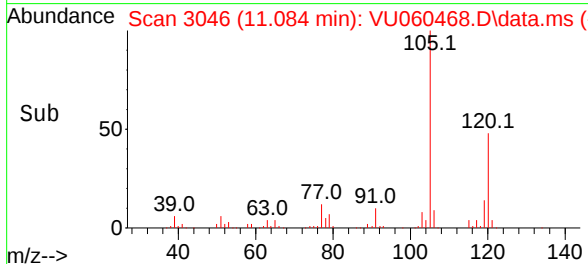
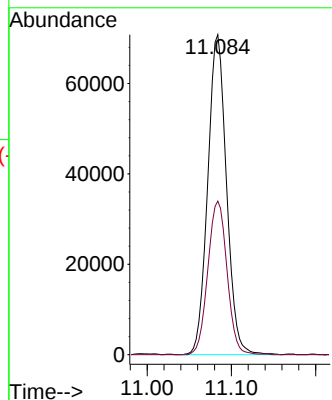
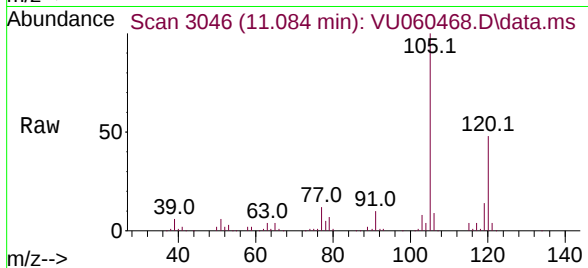
ClientSampleId :

Tgt Ion:105 Resp: 109779

Ion Ratio Lower Upper

105 100

120 49.1 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 4.658 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU060468.D

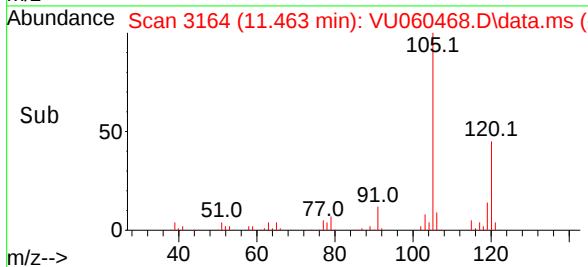
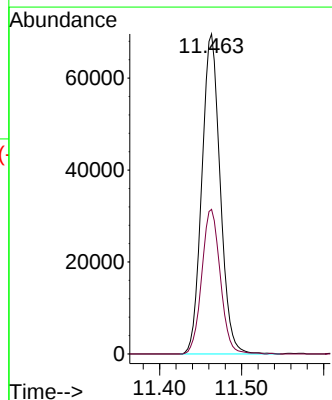
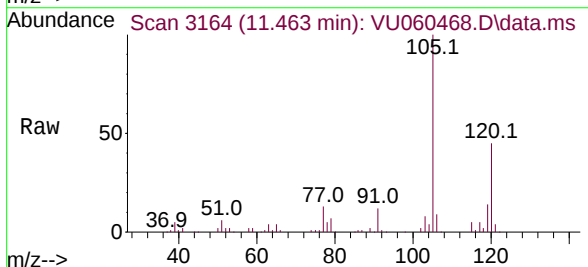
Acq: 15 Aug 2024 17:34

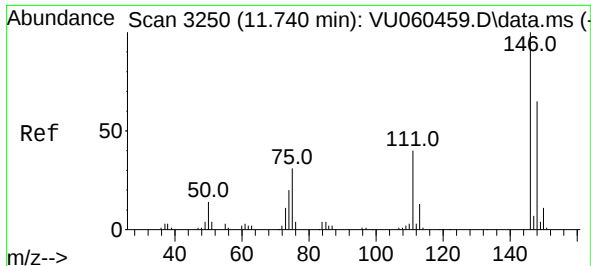
Tgt Ion:105 Resp: 108005

Ion Ratio Lower Upper

105 100

120 45.7 36.1 54.1

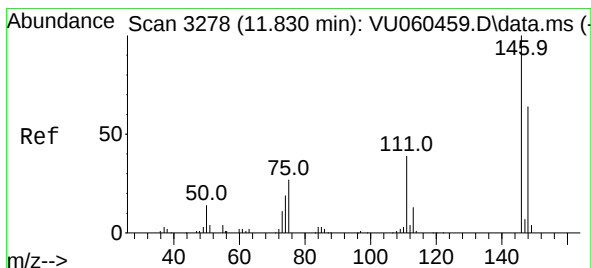
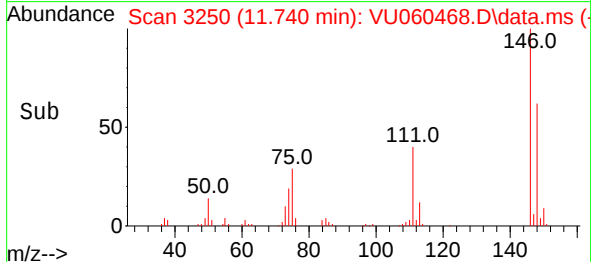
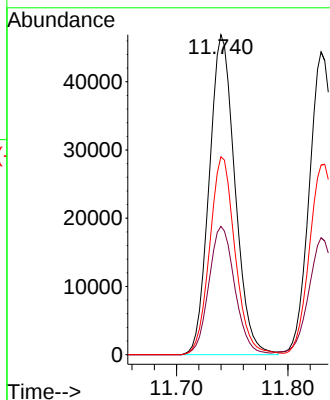
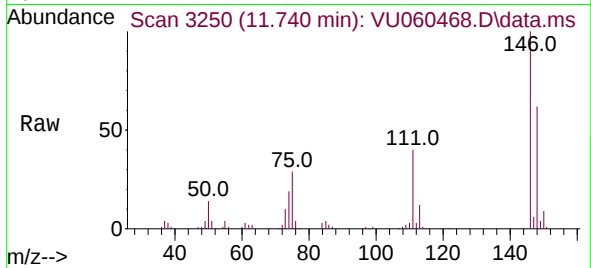




#64
1,3-Dichlorobenzene
Concen: 4.834 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

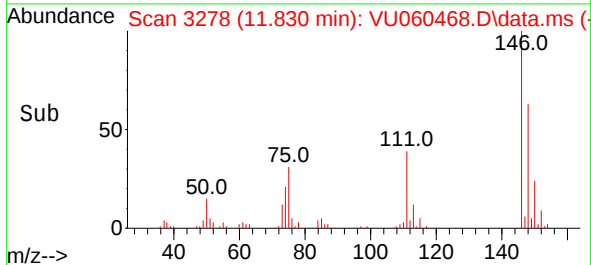
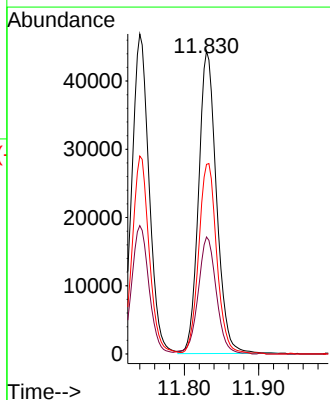
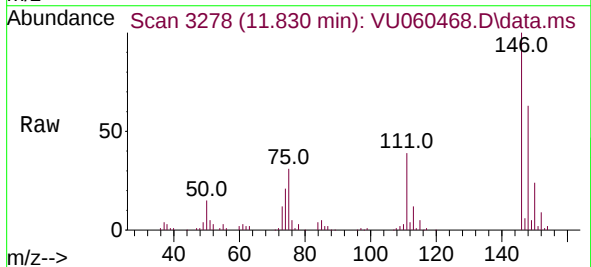
Instrument :
MSVOA_U
ClientSampleId :

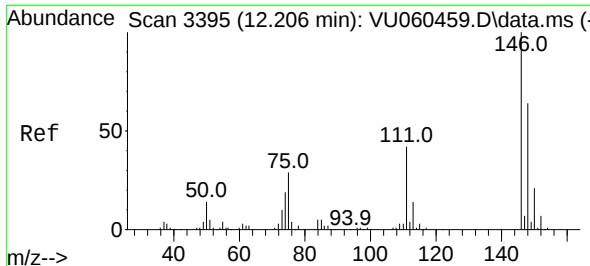
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	29.2	54.2
148	61.8	44.9	83.3



#65
1,4-Dichlorobenzene
Concen: 4.738 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU060468.D
Acq: 15 Aug 2024 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.8	48.0
148	62.6	44.0	81.6





#67

1,2-Dichlorobenzene

Concen: 4.837 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

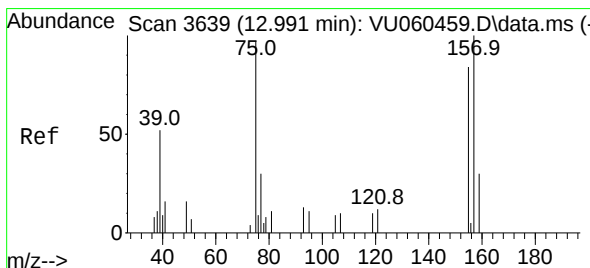
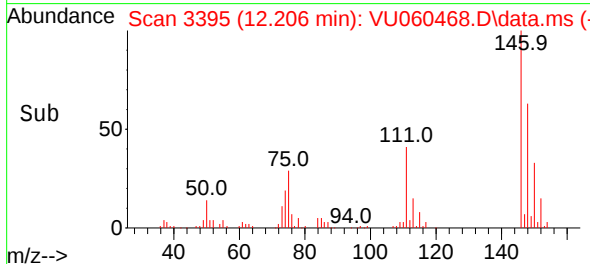
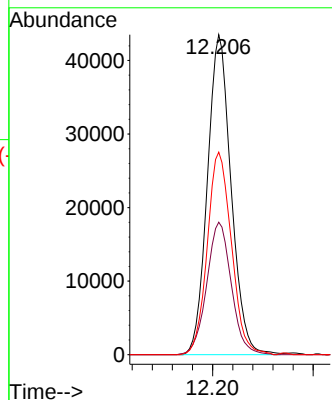
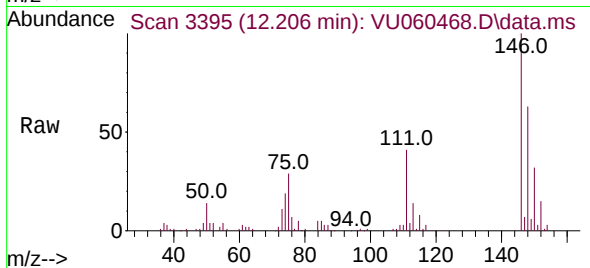
Tgt Ion:146 Resp: 71136

Ion Ratio Lower Upper

146 100

111 41.4 32.0 48.0

148 63.3 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.633 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

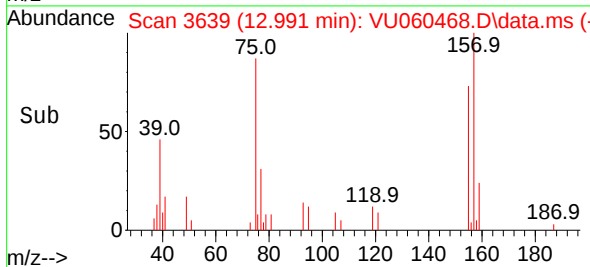
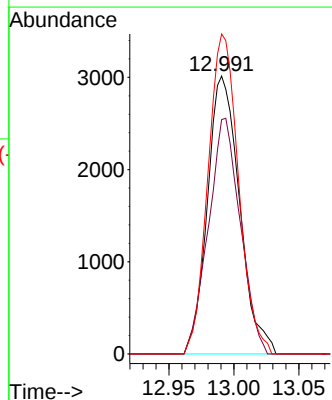
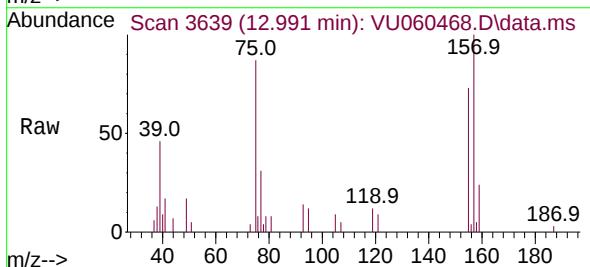
Tgt Ion: 75 Resp: 5175

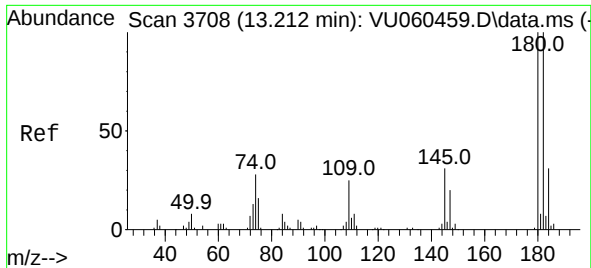
Ion Ratio Lower Upper

75 100

155 84.3 64.3 96.5

157 115.1 88.0 132.0





#69

1,3,5-Trichlorobenzene

Concen: 4.403 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. 0.000 min

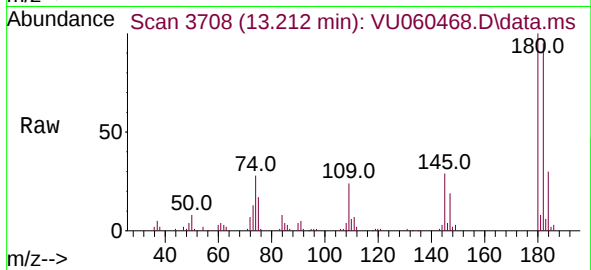
Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 51827

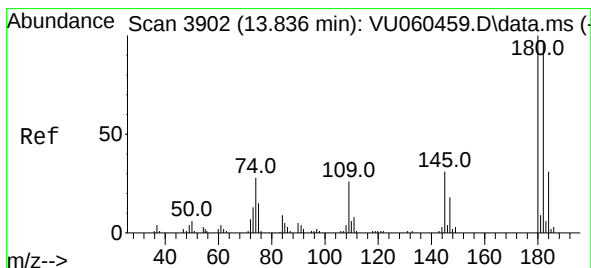
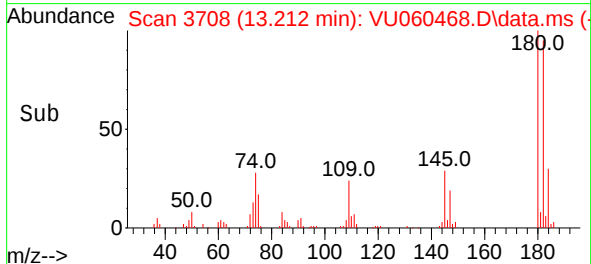
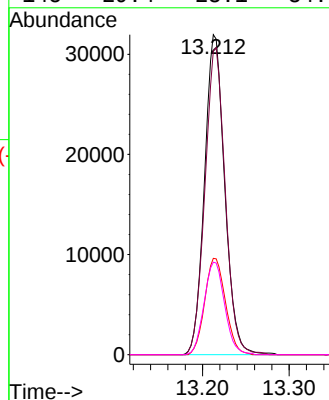
Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

184 30.8 23.8 35.8

145 29.4 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.300 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

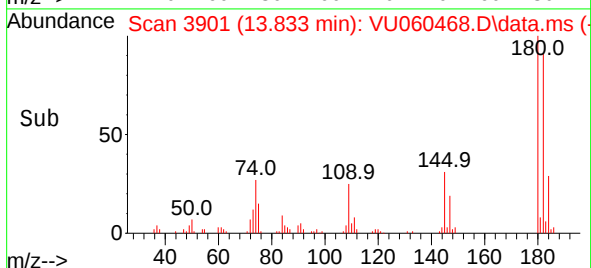
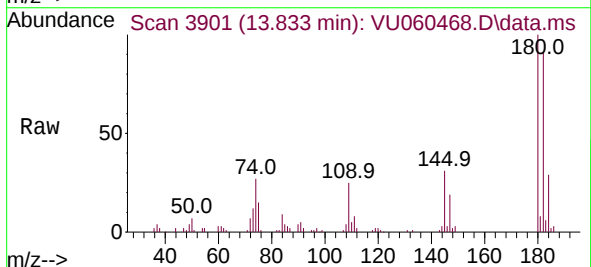
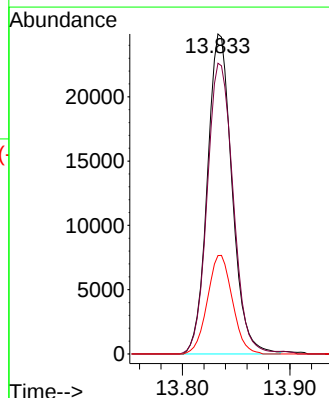
Tgt Ion:180 Resp: 39743

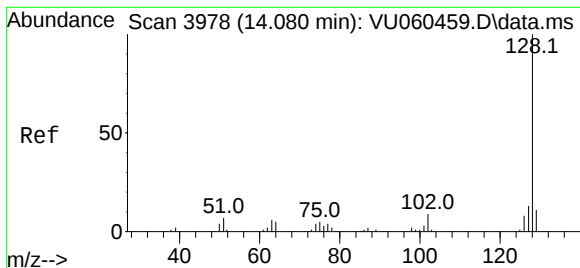
Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 31.1 23.7 35.5





#71

Naphthalene

Concen: 4.710 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Instrument :

MSVOA_U

ClientSampleId :

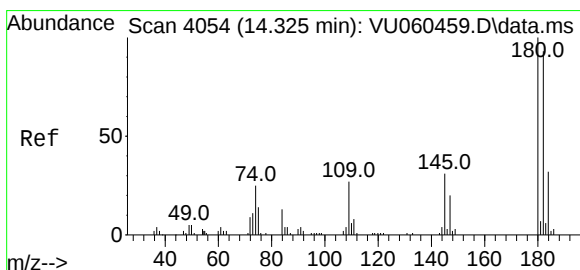
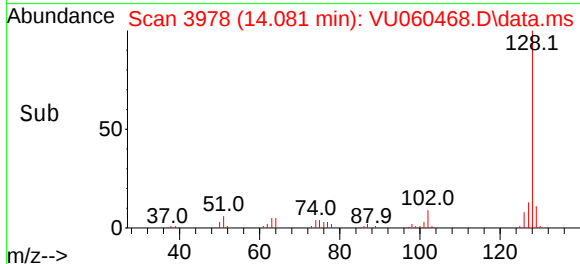
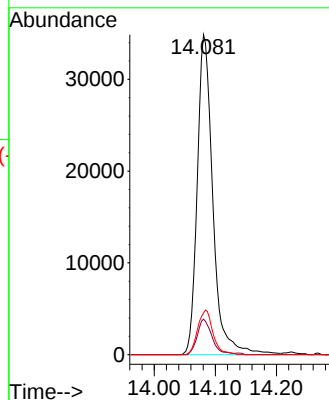
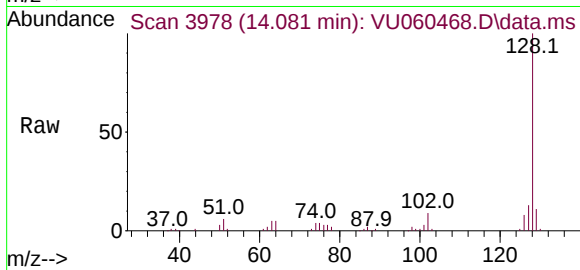
Tgt Ion:128 Resp: 61888

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

127 13.6 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.562 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU060468.D

Acq: 15 Aug 2024 17:34

Tgt Ion:180 Resp: 37773

Ion Ratio Lower Upper

180 100

182 93.2 75.7 113.5

145 31.8 23.7 35.5

