

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063168.D
 Acq On : 05 Feb 2025 18:45
 Operator : MD/SY
 Sample : Q1228-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2993MSD

Quant Time: Feb 06 07:32:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	83353	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	80747	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	37827	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	21689	4.549	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.901	69	21366	4.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.554	65	9771	4.591	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.800%
20) 2-Butanone-d5	4.605	46	85737	54.625	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.240%
24) Chloroform-d	5.049	84	53990	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.689	65	28199	5.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.714	84	103316	4.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.679	67	34262	4.934	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.888	98	91475	4.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
43) trans-1,3-Dichloroprop...	8.171	79	12517	4.811	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.621	63	68714	52.474	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.940%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	31961	5.215	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.183	152	32165	5.092	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	38028	5.266	ug/L	100
3) Chloromethane	1.518	50	40184	5.080	ug/L	99
5) Vinyl chloride	1.599	62	42743	5.338	ug/L	100
6) Bromomethane	1.843	94	16631	4.131	ug/L	99
8) Chloroethane	1.920	64	26237	5.439	ug/L	98
9) Trichlorofluoromethane	2.129	101	49278	5.478	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	30728	5.557	ug/L	100
12) 1,1-Dichloroethene	2.566	96	29143	5.379	ug/L	98
13) Acetone	2.611	43	55668	56.321	ug/L	99
14) Carbon disulfide	2.782	76	100997	5.309	ug/L	98
15) Methyl Acetate	2.939	43	13403	4.965	ug/L	100
16) Methylene chloride	3.029	84	34250	5.285	ug/L	98
17) Methyl tert-butyl Ether	3.348	73	80596	5.398	ug/L	99
18) trans-1,2-Dichloroethene	3.338	96	32029	5.529	ug/L	99
19) 1,1-Dichloroethane	3.853	63	63214	5.427	ug/L	97
21) 2-Butanone	4.682	43	93064	56.709	ug/L	97
22) cis-1,2-Dichloroethene	4.650	96	36744	5.685	ug/L	97
23) Bromochloromethane	4.962	128	15942	5.499	ug/L	98
25) Chloroform	5.071	83	63165	5.510	ug/L	97

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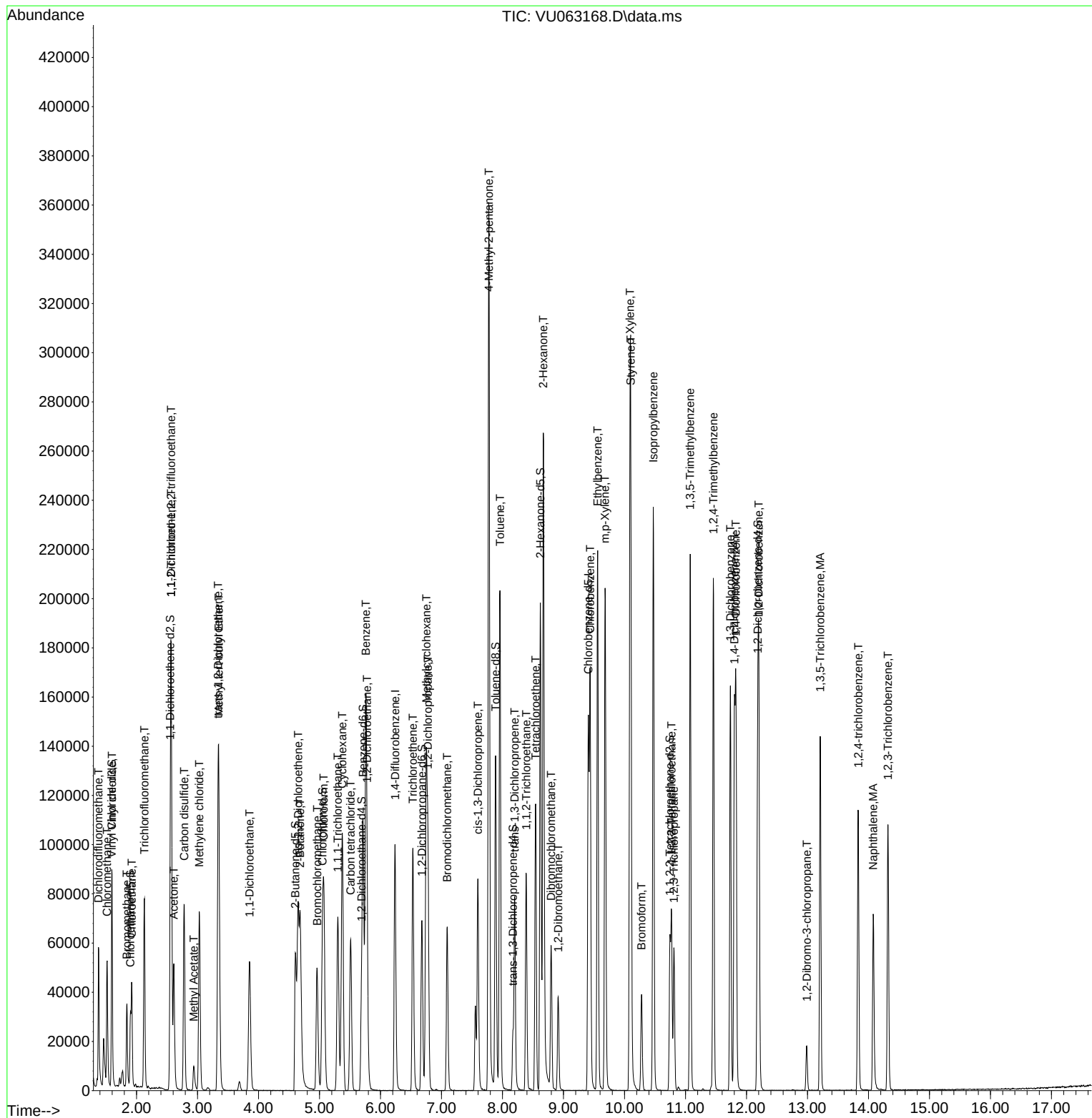
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	42179	5.585	ug/L	100
29) 1,1,1-Trichloroethane	5.300	97	51335	5.371	ug/L	99
30) Cyclohexane	5.373	56	53157	5.255	ug/L	100
31) Carbon tetrachloride	5.512	117	43105	5.345	ug/L	100
33) Benzene	5.759	78	142885	5.377	ug/L	100
34) Trichloroethene	6.531	95	35600	5.275	ug/L	98
35) Methylcyclohexane	6.753	83	51678	5.110	ug/L	99
37) 1,2-Dichloropropane	6.775	63	39027	5.507	ug/L	99
38) Bromodichloromethane	7.094	83	45231	5.315	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	52887	5.233	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	231412	55.321	ug/L	100
42) Toluene	7.959	91	151655	5.461	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	44829	5.299	ug/L	97
45) 1,1,2-Trichloroethane	8.389	97	27723	5.297	ug/L	96
47) Tetrachloroethene	8.544	164	25532	5.387	ug/L	97
48) 2-Hexanone	8.669	43	167624	56.800	ug/L	98
49) Dibromochloromethane	8.798	129	29708	5.392	ug/L	99
50) 1,2-Dibromoethane	8.914	107	26082	5.433	ug/L	100
51) Chlorobenzene	9.438	112	89974	5.367	ug/L	99
52) Ethylbenzene	9.560	91	154317	5.312	ug/L	100
53) m,p-Xylene	9.682	106	58177	5.552	ug/L	99
54) o-Xylene	10.090	106	56796	5.466	ug/L	98
55) Styrene	10.103	104	94195	5.507	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.769	83	36236	5.394	ug/L	99
59) Bromoform	10.280	173	17838	5.469	ug/L	96
60) Isopropylbenzene	10.473	105	151080	5.624	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	24819	5.437	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	118032	5.571	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	115334	5.660	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	67168	5.519	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	65143	5.324	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	64247	5.649	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	5289	5.791	ug/L	99
69) 1,3,5-Trichlorobenzene	13.209	180	45725	5.499	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	36361	5.558	ug/L	100
71) Naphthalene	14.077	128	62985	5.866	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	34841	5.960	ug/L	98

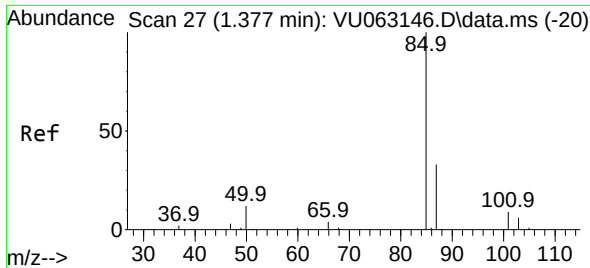
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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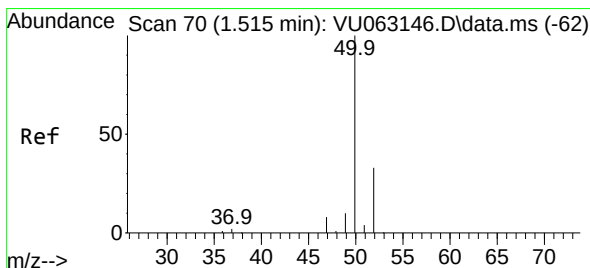
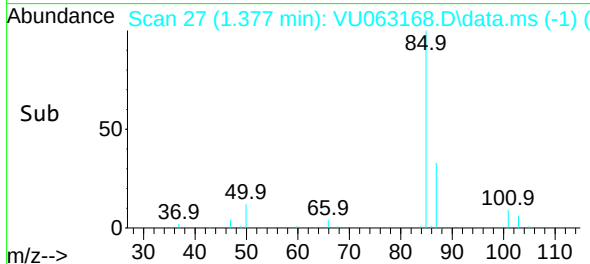
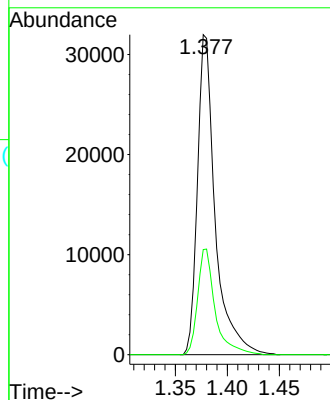
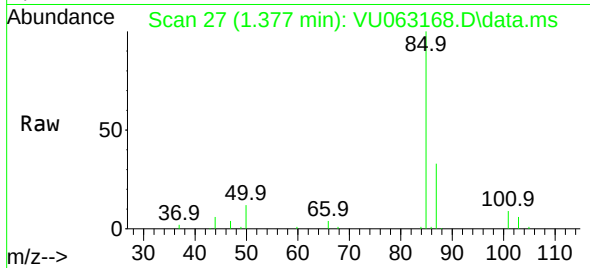




#2
 Dichlorodifluoromethane
 Concen: 5.266 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063168.D
 Acq: 05 Feb 2025 18:45

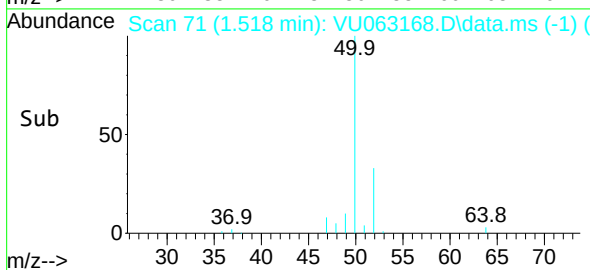
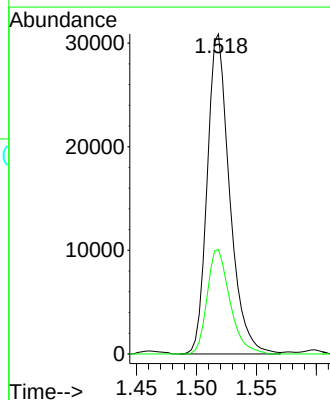
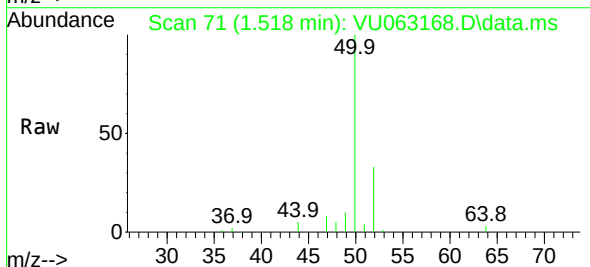
Instrument :
 MSVOA_U
 ClientSampleId :
 E2993MSD

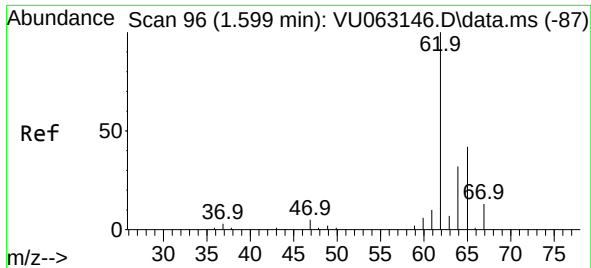
Tgt Ion: 85 Resp: 38028
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 5.080 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063168.D
 Acq: 05 Feb 2025 18:45

Tgt Ion: 50 Resp: 40184
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.4 43.6

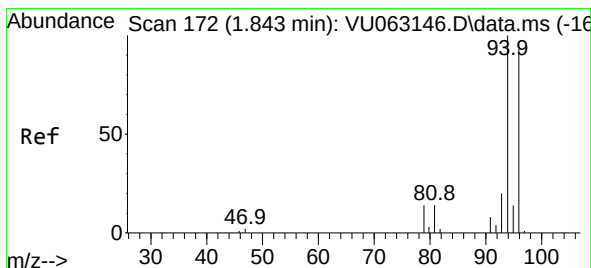
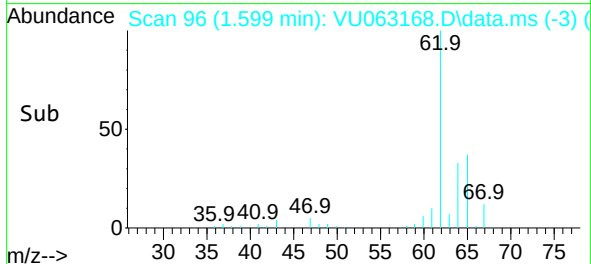
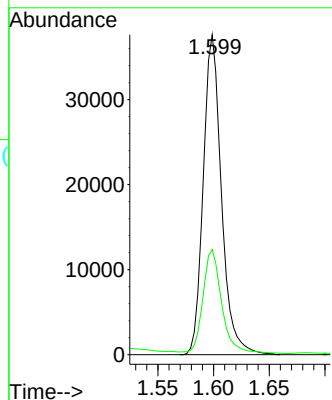
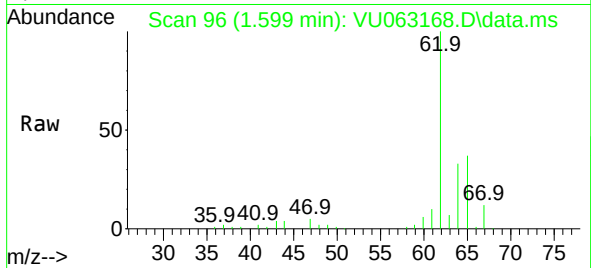




#5
 Vinyl chloride
 Concen: 5.338 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063168.D
 Acq: 05 Feb 2025 18:45

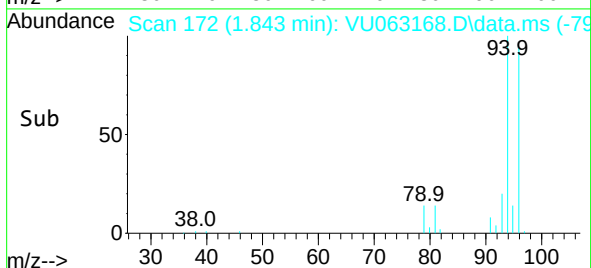
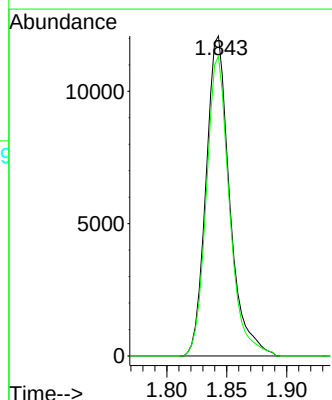
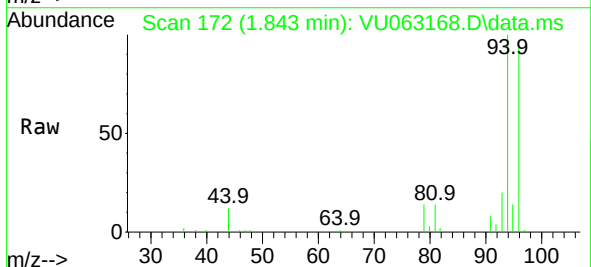
Instrument :
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 ClientSampleId :
 E2993MSD

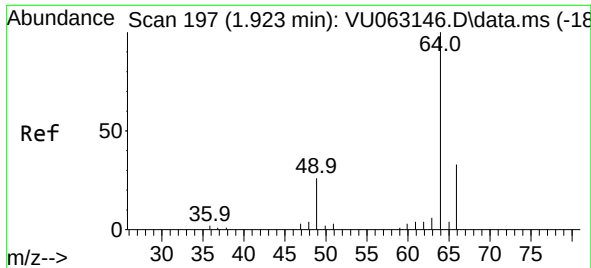
Tgt Ion: 62 Resp: 42743
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.0



#6
 Bromomethane
 Concen: 4.131 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VU063168.D
 Acq: 05 Feb 2025 18:45

Tgt Ion: 94 Resp: 16631
 Ion Ratio Lower Upper
 94 100
 96 93.7 66.3 123.1

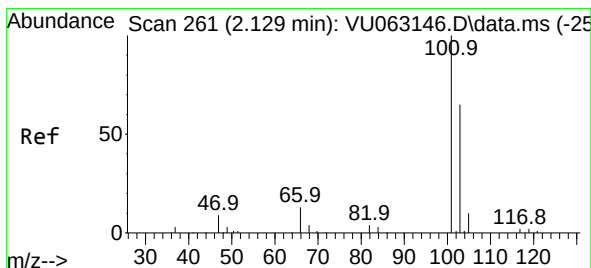
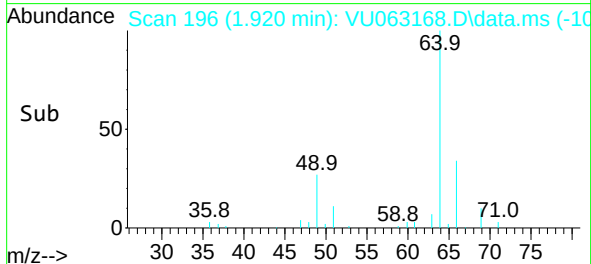
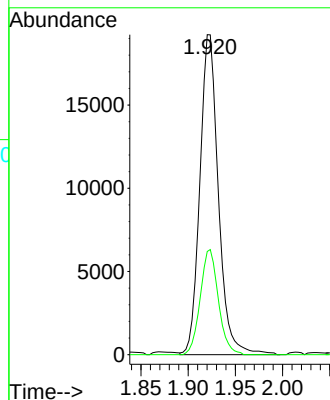
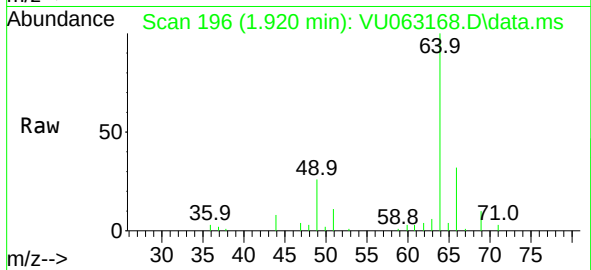




#8
Chloroethane
Concen: 5.439 ug/L
RT: 1.920 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

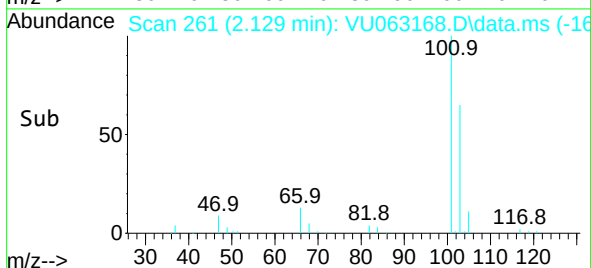
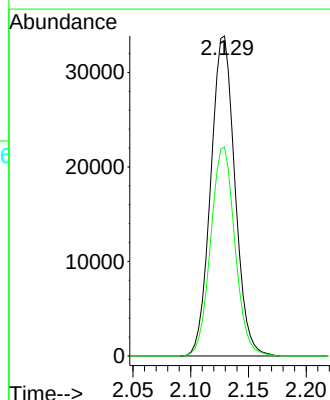
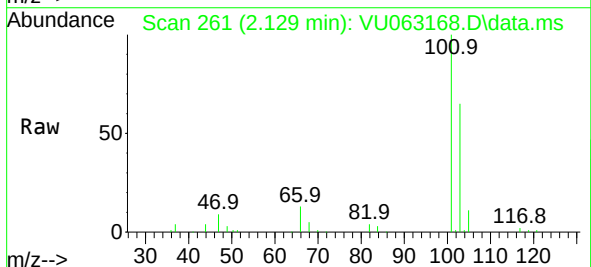
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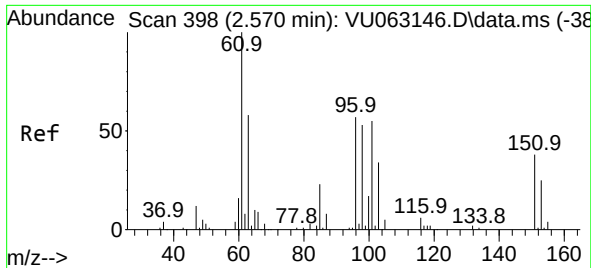
Tgt Ion: 64 Resp: 26237
Ion Ratio Lower Upper
64 100
66 32.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.478 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion:101 Resp: 49278
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.8

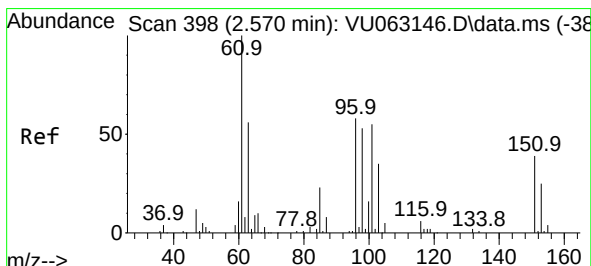
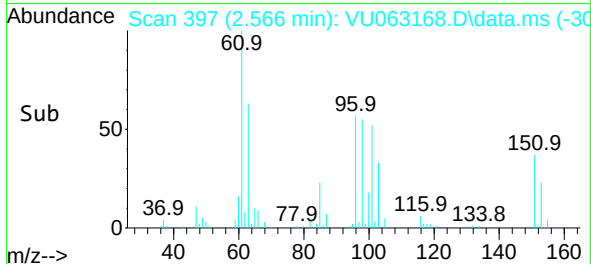
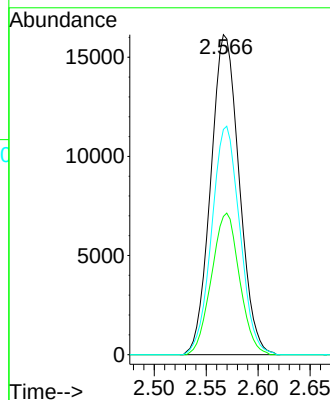
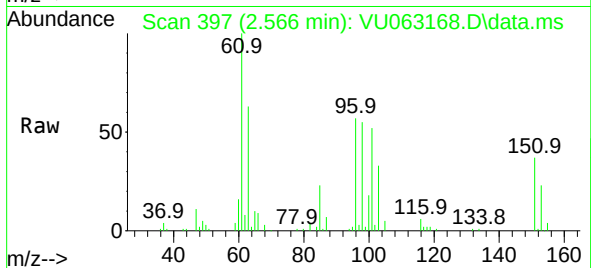




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.557 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063168.D
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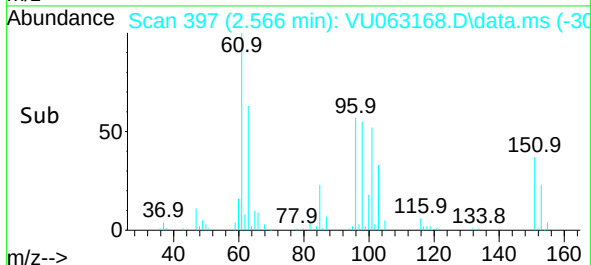
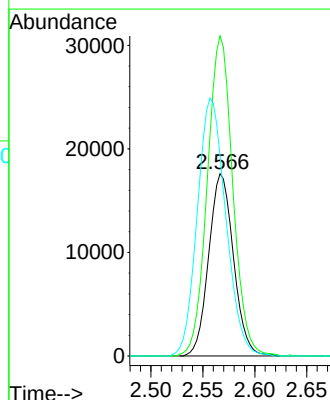
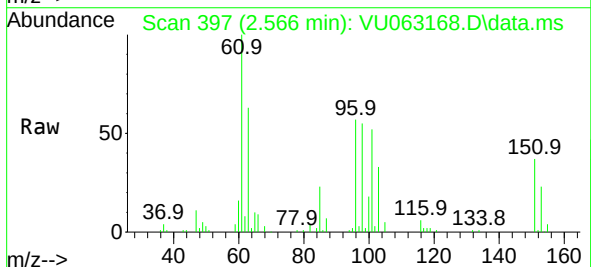
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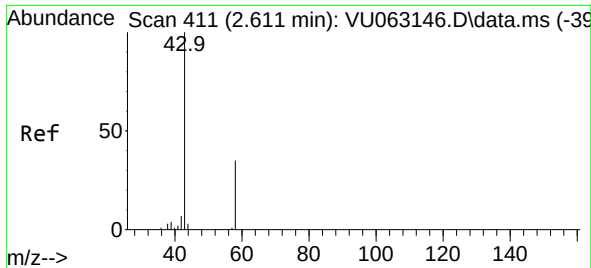
Tgt Ion:101 Resp: 30728
Ion Ratio Lower Upper
101 100
85 43.5 35.0 52.4
151 70.7 56.3 84.5



#12
1,1-Dichloroethene
Concen: 5.379 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 96 Resp: 29143
Ion Ratio Lower Upper
96 100
61 175.6 121.9 226.3
63 109.9 80.3 149.1





#13

Acetone

Concen: 56.321 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063168.D

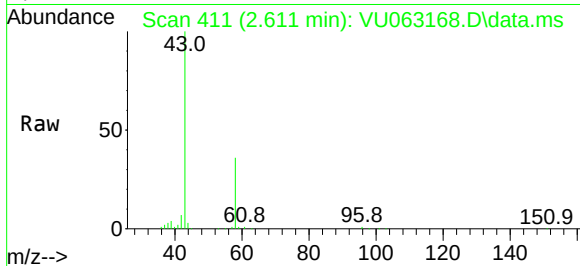
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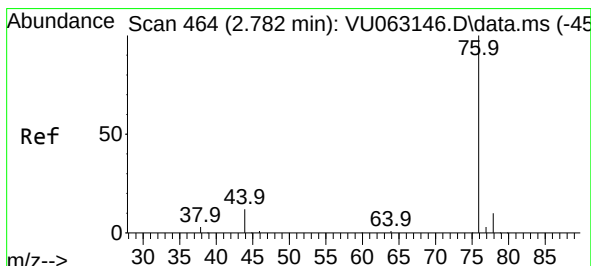
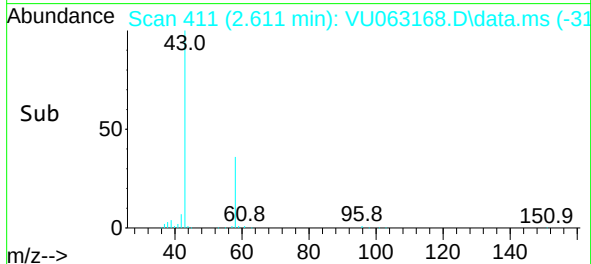
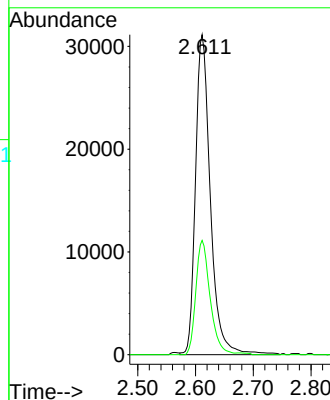


Tgt Ion: 43 Resp: 55668

Ion Ratio Lower Upper

43 100

58 34.3 0.0 70.2



#14

Carbon disulfide

Concen: 5.309 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

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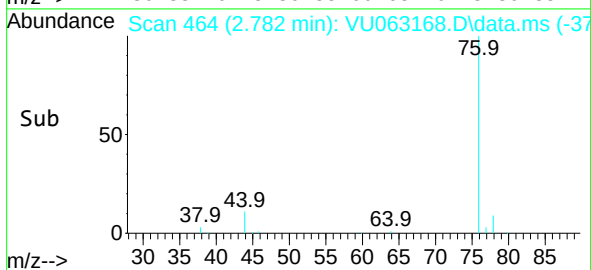
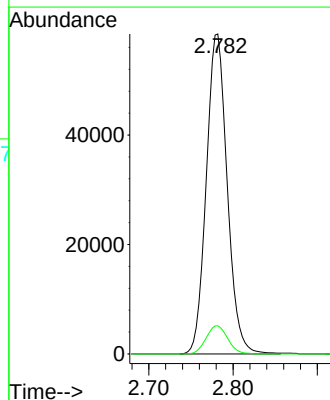
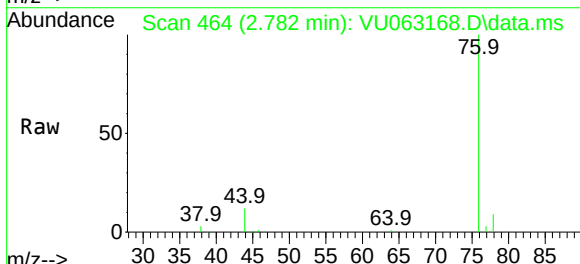
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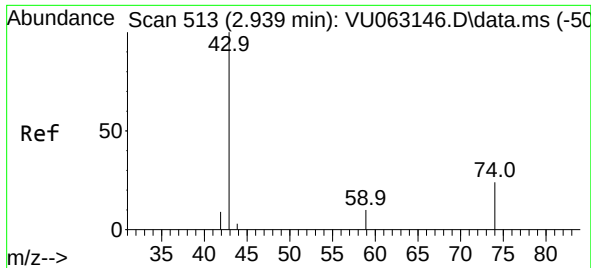
Tgt Ion: 76 Resp: 100997

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

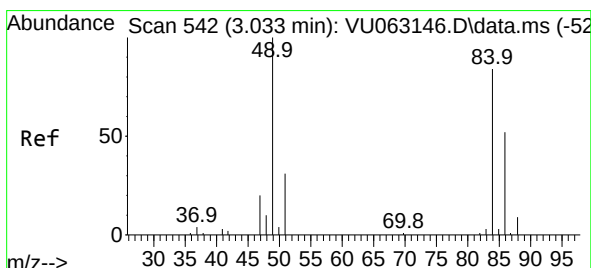
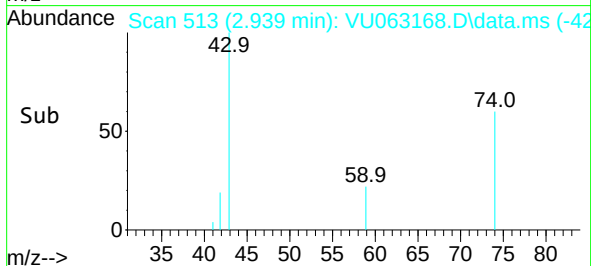
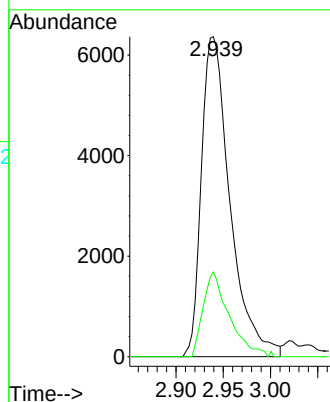
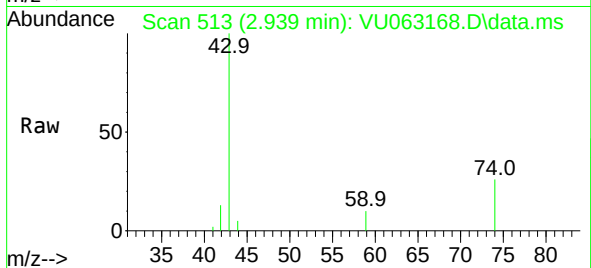




#15
Methyl Acetate
Concen: 4.965 ug/L
RT: 2.939 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

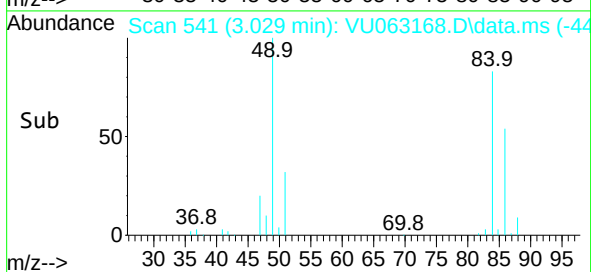
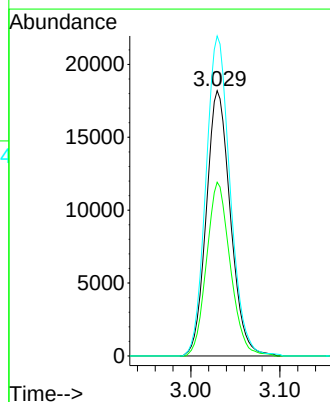
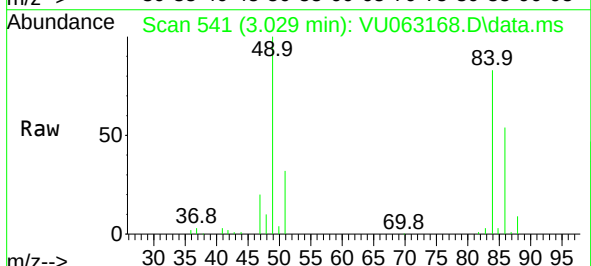
Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

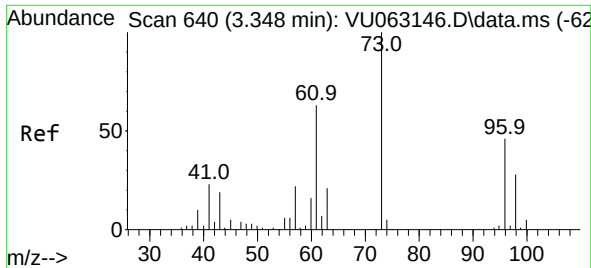
Tgt Ion: 43 Resp: 13403
Ion Ratio Lower Upper
43 100
74 24.2 19.5 29.3



#16
Methylene chloride
Concen: 5.285 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 84 Resp: 34250
Ion Ratio Lower Upper
84 100
86 65.5 45.0 83.6
49 120.6 82.4 153.0

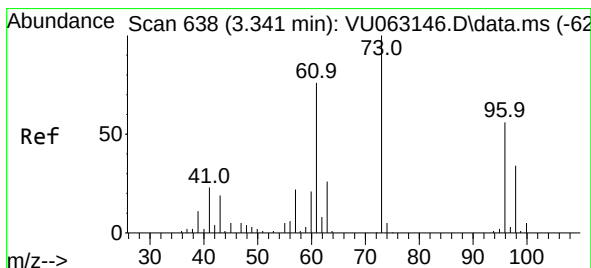
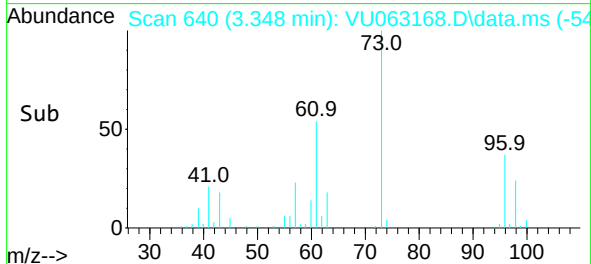
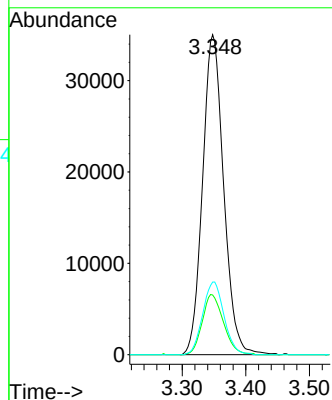
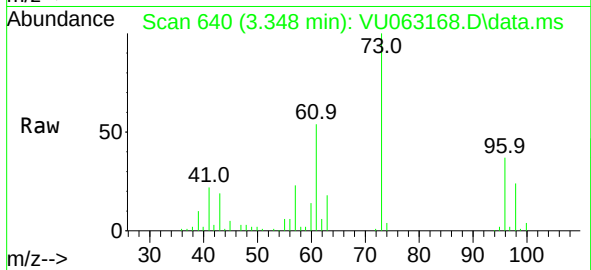




#17
Methyl tert-butyl Ether
Concen: 5.398 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

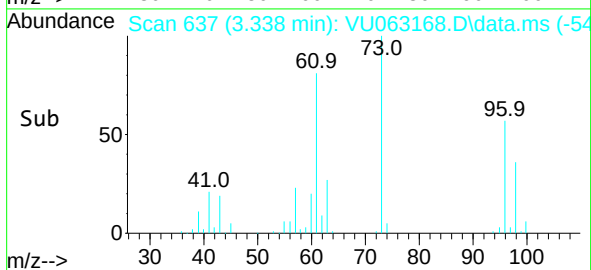
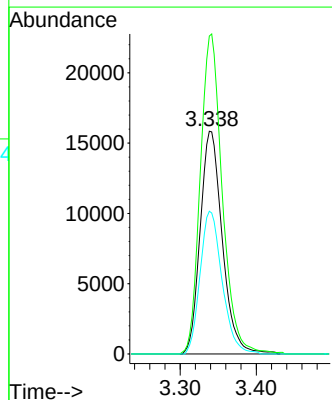
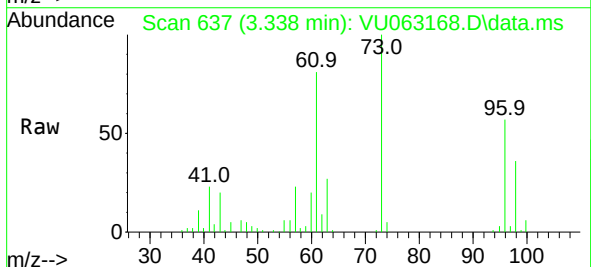
Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

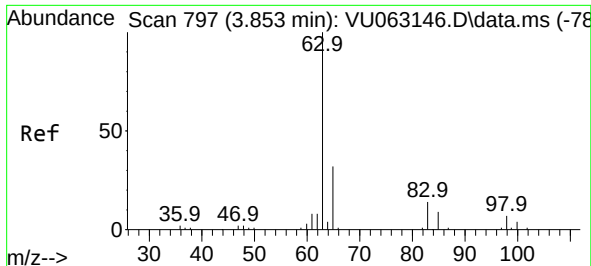
Tgt Ion: 73 Resp: 80596
Ion Ratio Lower Upper
73 100
43 19.0 15.1 22.7
57 22.9 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.529 ug/L
RT: 3.338 min Scan# 637
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 96 Resp: 32029
Ion Ratio Lower Upper
96 100
61 142.7 99.2 184.2
98 64.1 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.427 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD

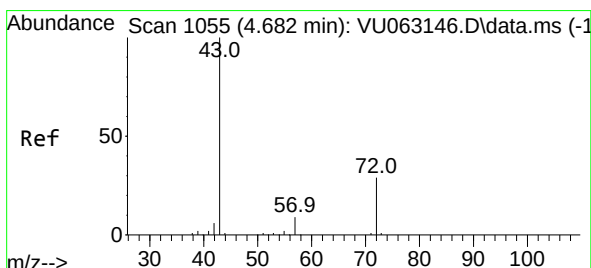
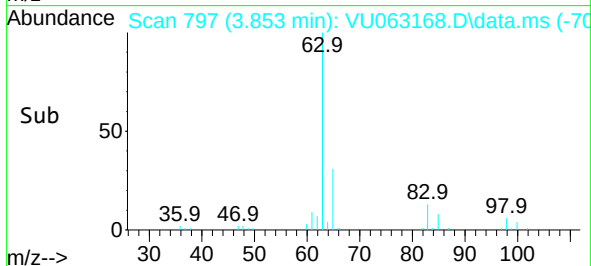
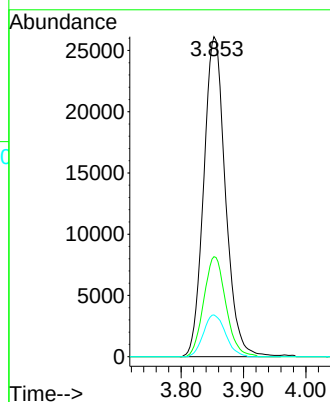
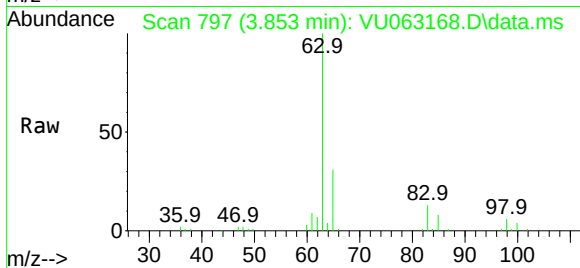
Tgt Ion: 63 Resp: 63214

Ion Ratio Lower Upper

63 100

65 31.3 23.2 43.0

83 13.0 8.7 16.1



#21

2-Butanone

Concen: 56.709 ug/L

RT: 4.682 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VU063168.D

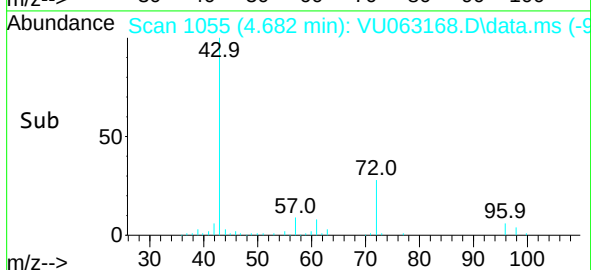
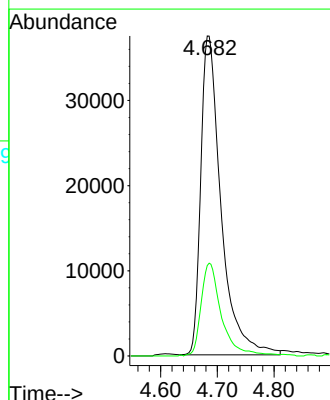
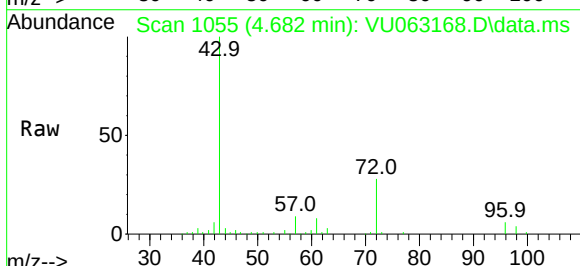
Acq: 05 Feb 2025 18:45

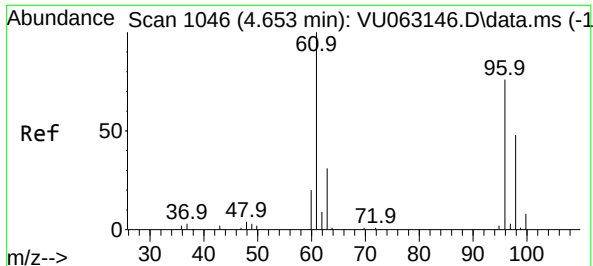
Tgt Ion: 43 Resp: 93064

Ion Ratio Lower Upper

43 100

72 29.2 13.9 41.7

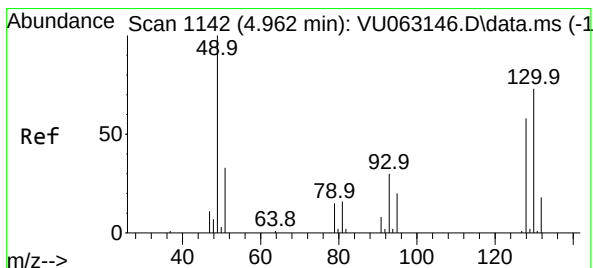
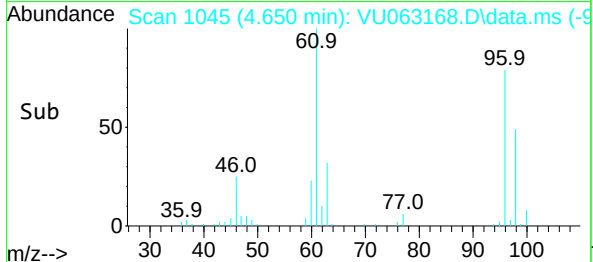
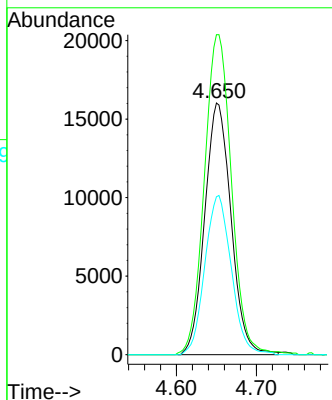
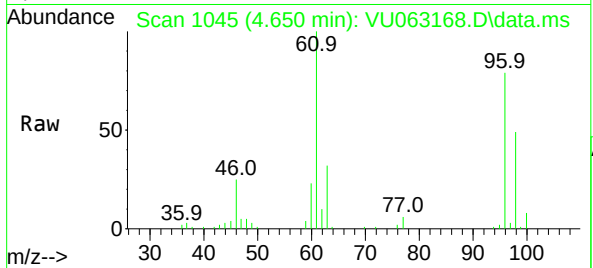




#22
 cis-1,2-Dichloroethene
 Concen: 5.685 ug/L
 RT: 4.650 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU063168.D
 Acq: 05 Feb 2025 18:45

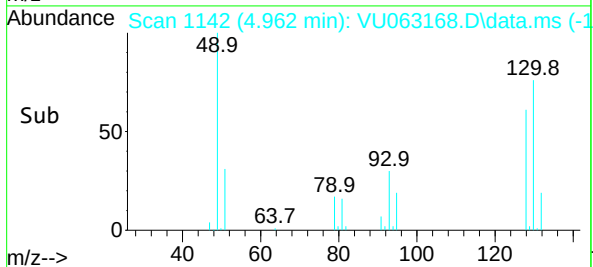
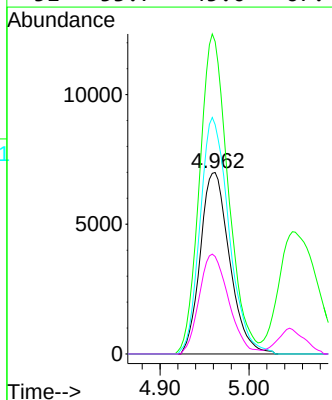
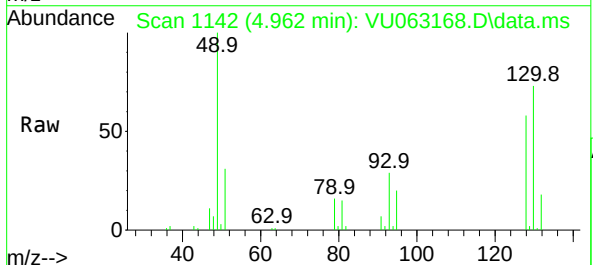
Instrument :
 MSVOA_U
 ClientSampleId :
 E2993MSD

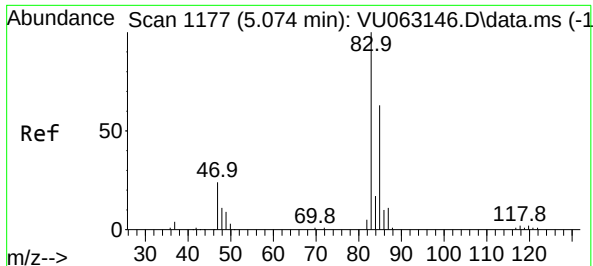
Tgt Ion:	96	Resp:	36744
Ion	Ratio	Lower	Upper
96	100		
61	127.1	91.8	170.6
98	62.8	44.4	82.4



#23
 Bromochloromethane
 Concen: 5.499 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU063168.D
 Acq: 05 Feb 2025 18:45

Tgt Ion:	128	Resp:	15942
Ion	Ratio	Lower	Upper
128	100		
49	177.7	121.2	225.2
130	126.3	89.2	165.6
51	53.7	45.0	67.4





#25

Chloroform

Concen: 5.510 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

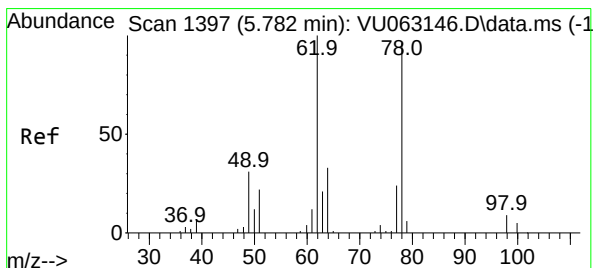
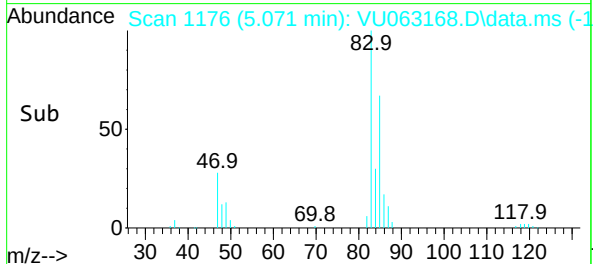
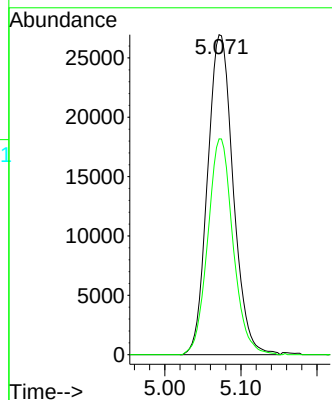
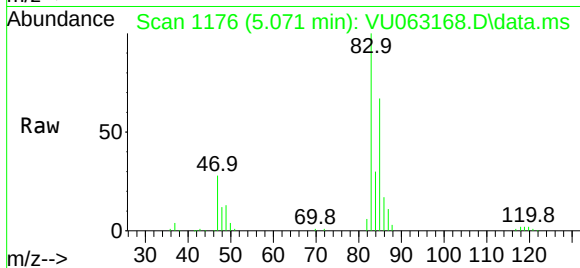
E2993MSD

Tgt Ion: 83 Resp: 63165

Ion Ratio Lower Upper

83 100

85 67.4 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.585 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063168.D

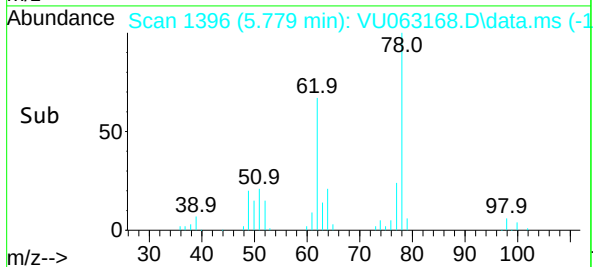
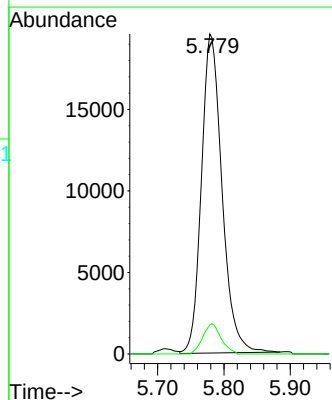
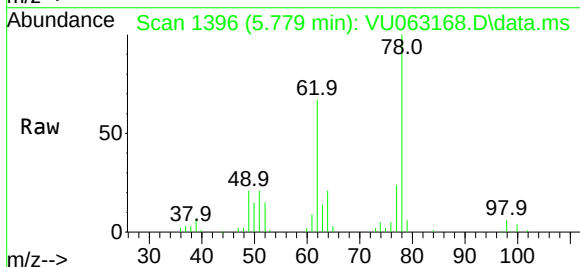
Acq: 05 Feb 2025 18:45

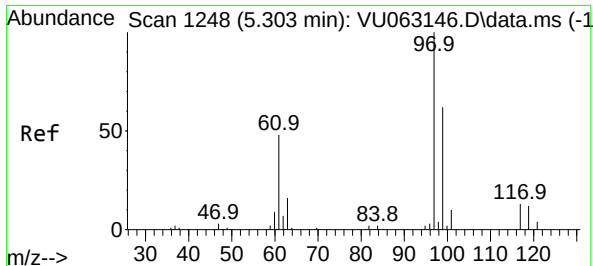
Tgt Ion: 62 Resp: 42179

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 5.371 ug/L

RT: 5.300 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD

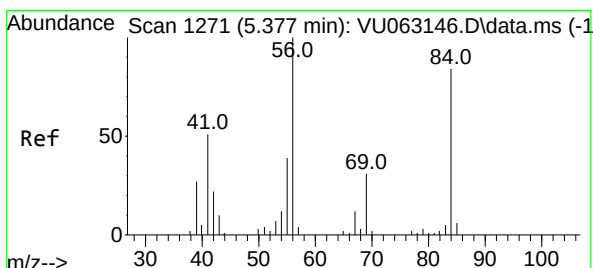
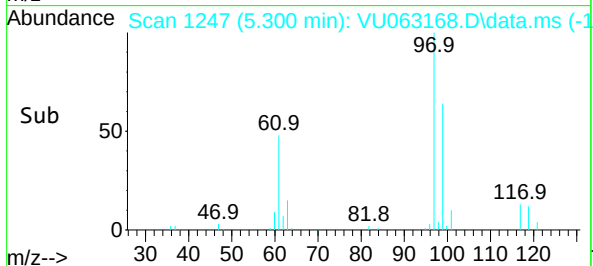
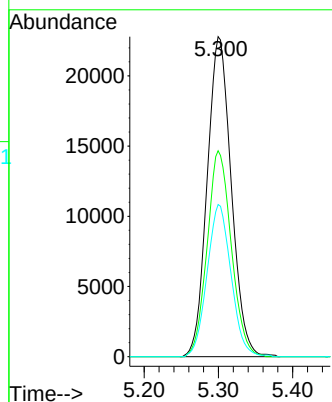
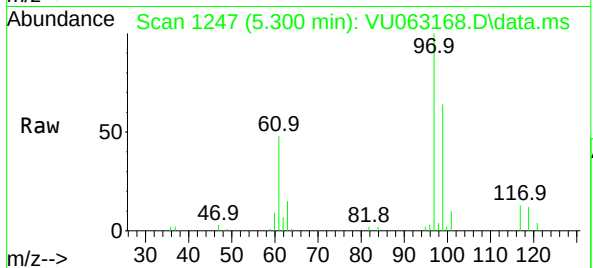
Tgt Ion: 97 Resp: 51335

Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 47.2 38.5 57.7



#30

Cyclohexane

Concen: 5.255 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

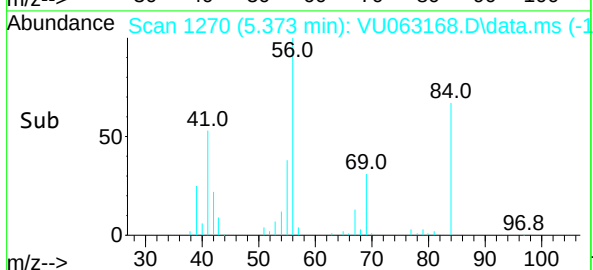
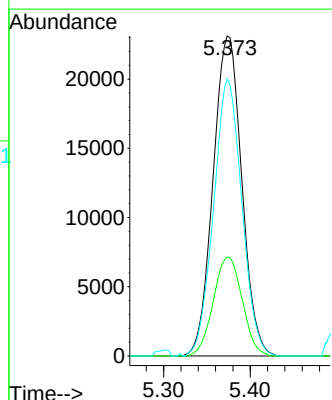
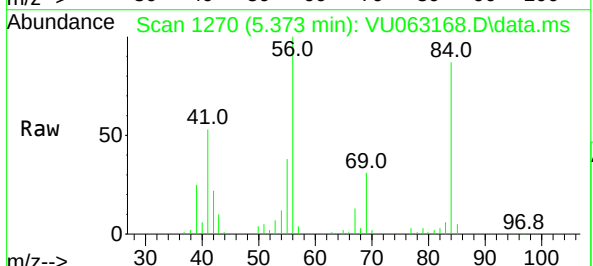
Tgt Ion: 56 Resp: 53157

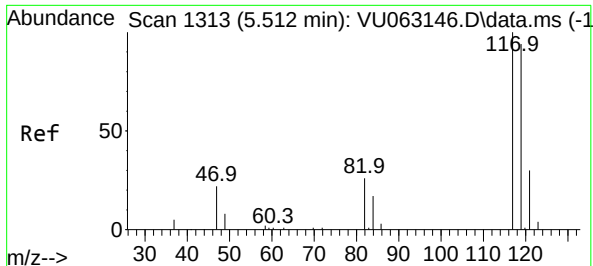
Ion Ratio Lower Upper

56 100

69 31.1 24.6 37.0

84 85.3 67.9 101.9

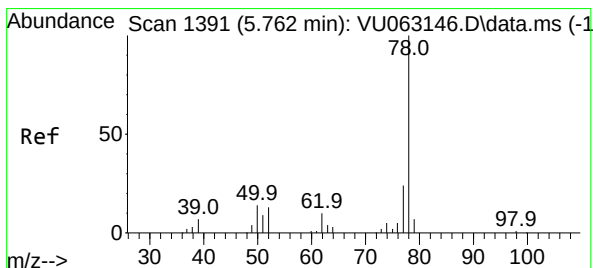
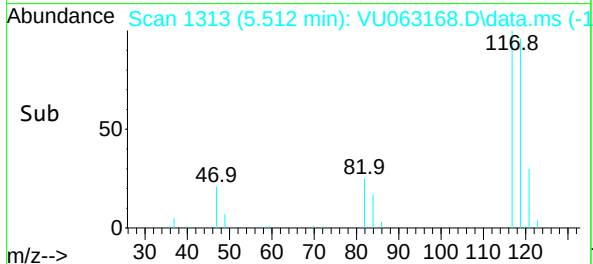
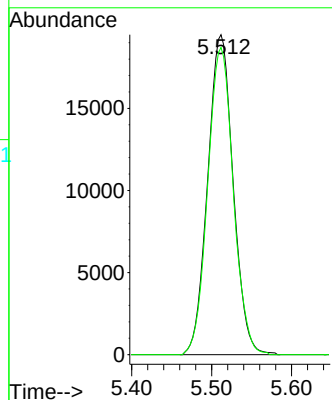
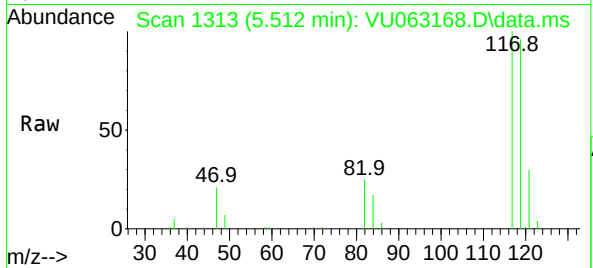




#31
Carbon tetrachloride
Concen: 5.345 ug/L
RT: 5.512 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

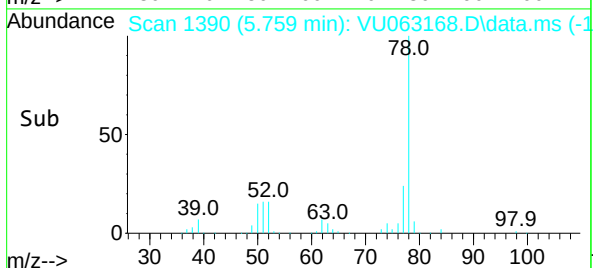
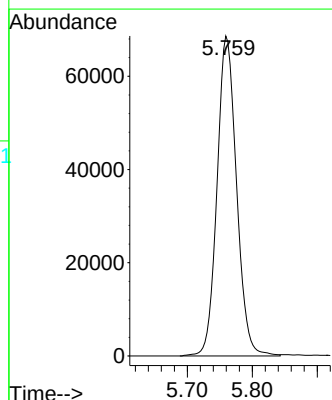
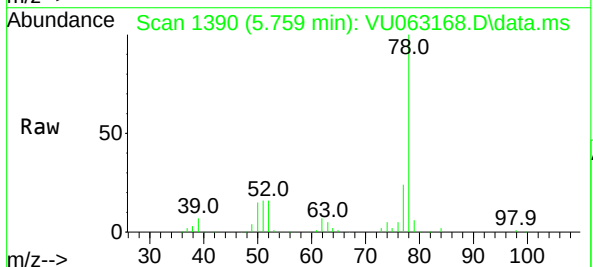
Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

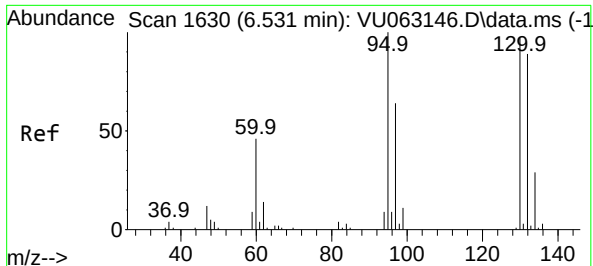
Tgt Ion:117 Resp: 43105
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.4



#33
Benzene
Concen: 5.377 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 78 Resp: 142885

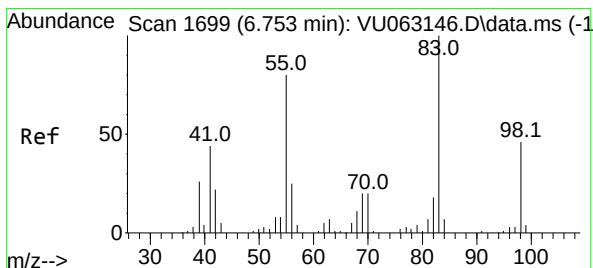
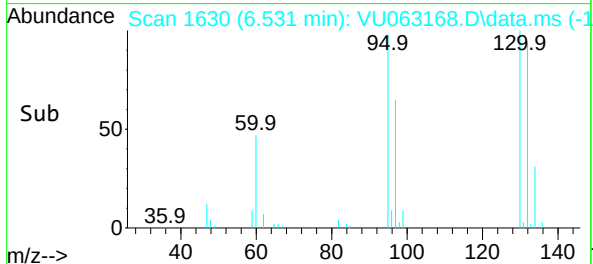
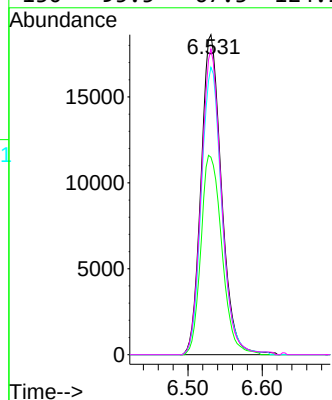
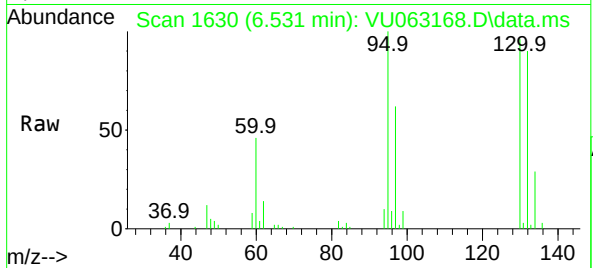




#34
Trichloroethene
Concen: 5.275 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

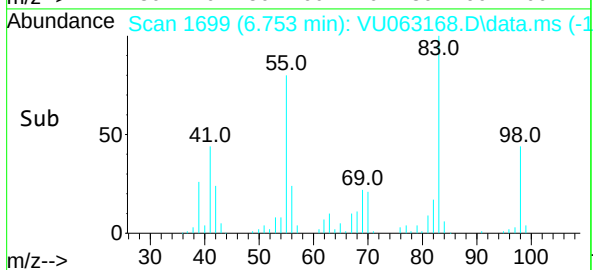
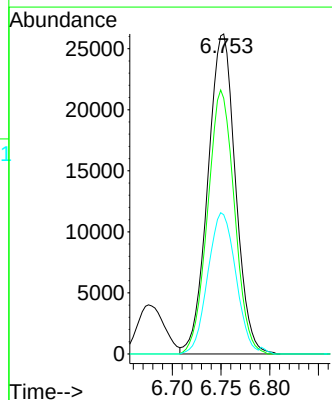
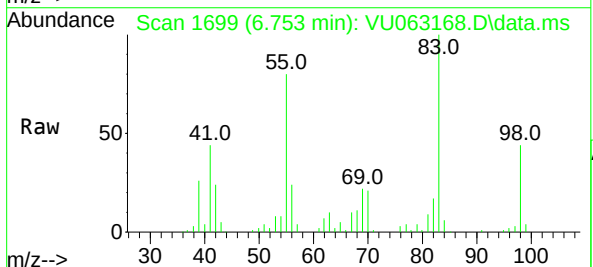
Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

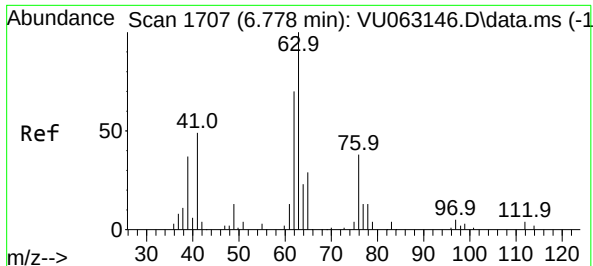
Tgt Ion: 95 Resp: 35600
Ion Ratio Lower Upper
95 100
97 61.7 46.7 86.7
132 89.8 62.4 115.8
130 95.5 67.3 124.9



#35
Methylcyclohexane
Concen: 5.110 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 83 Resp: 51678
Ion Ratio Lower Upper
83 100
55 80.0 62.8 94.2
98 44.6 36.0 54.0

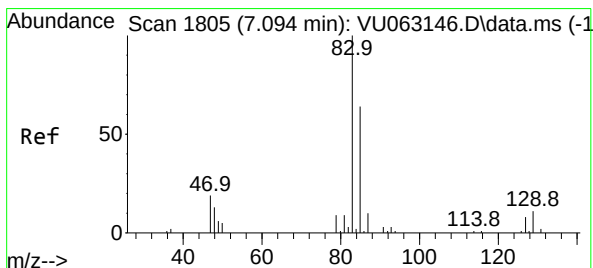
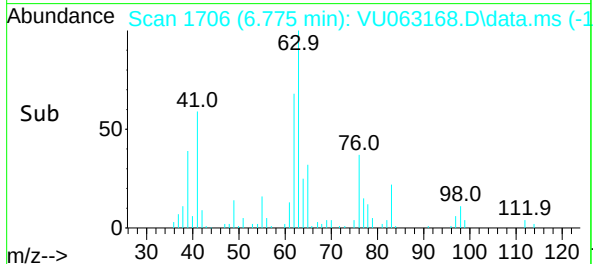
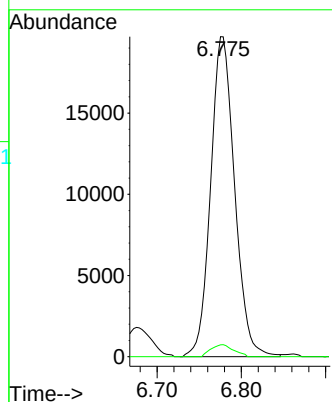
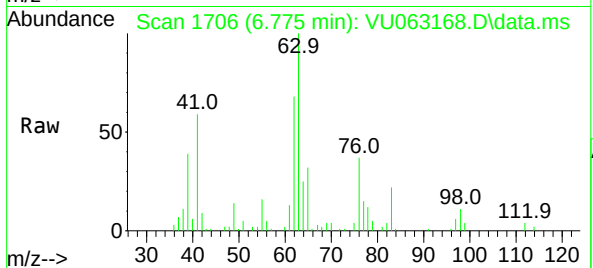




#37
1,2-Dichloropropane
Concen: 5.507 ug/L
RT: 6.775 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

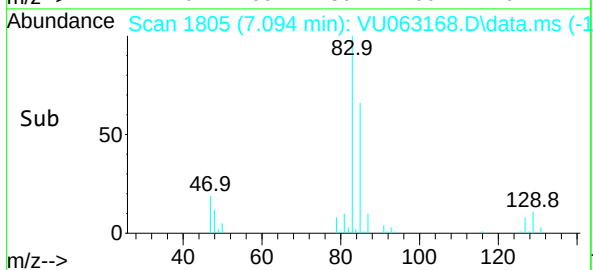
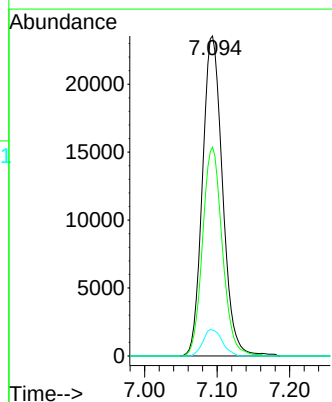
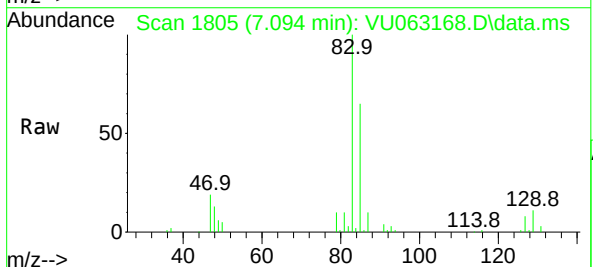
Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

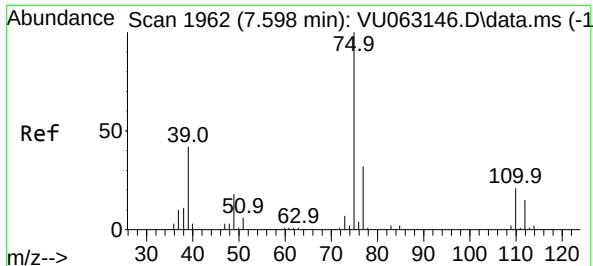
Tgt Ion: 63 Resp: 39027
Ion Ratio Lower Upper
63 100
112 3.5 2.6 4.0



#38
Bromodichloromethane
Concen: 5.315 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 83 Resp: 45231
Ion Ratio Lower Upper
83 100
85 65.2 44.0 81.8
127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.233 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

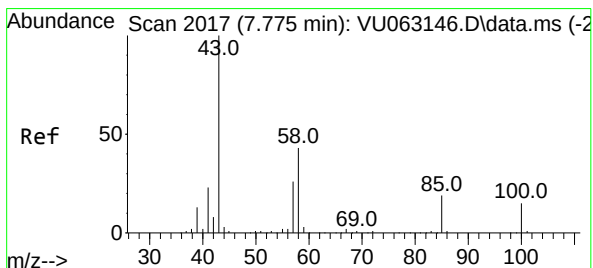
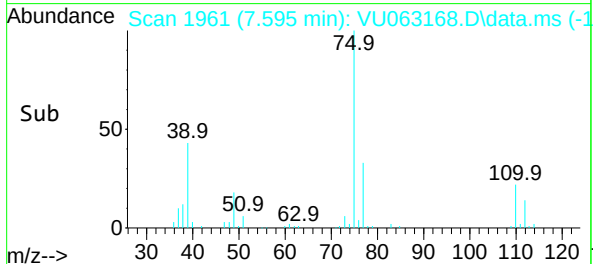
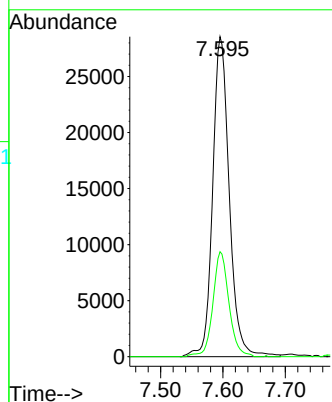
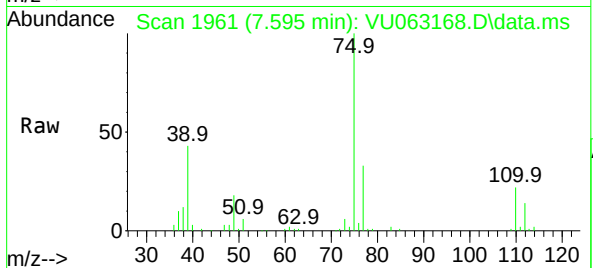
E2993MSD

Tgt Ion: 75 Resp: 52887

Ion Ratio Lower Upper

75 100

77 32.8 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 55.321 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

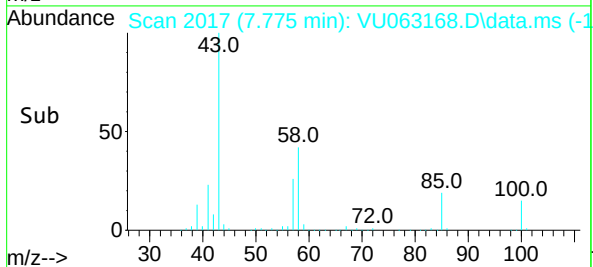
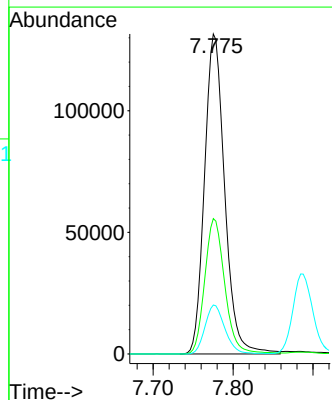
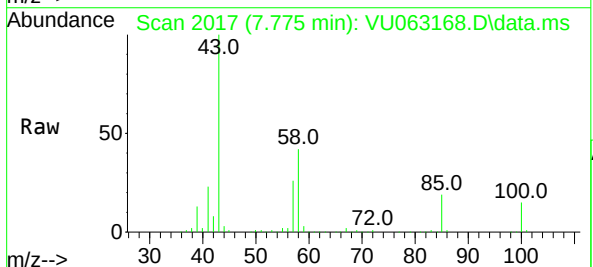
Tgt Ion: 43 Resp: 231412

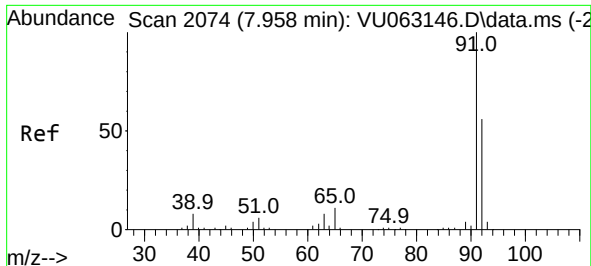
Ion Ratio Lower Upper

43 100

58 42.0 33.7 50.5

100 15.1 12.1 18.1





#42

Toluene

Concen: 5.461 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

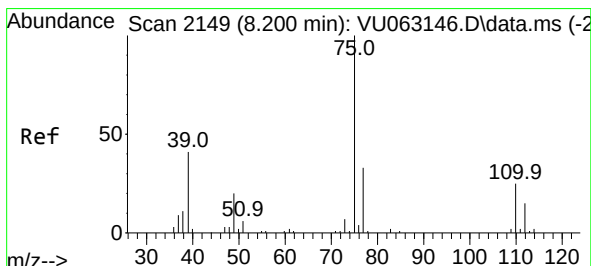
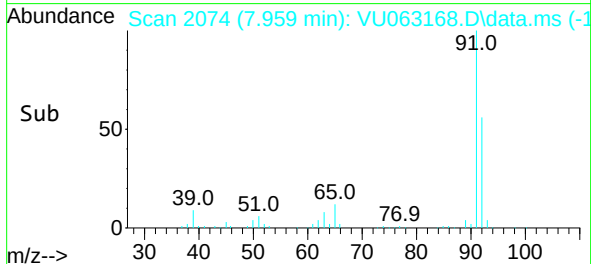
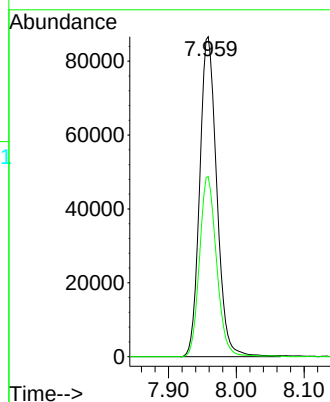
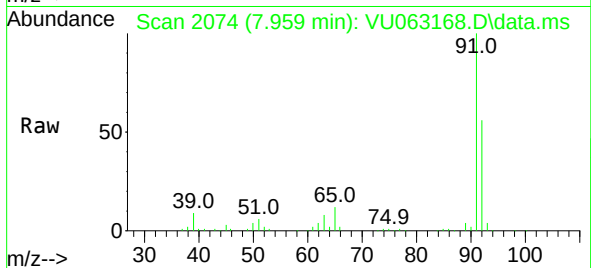
E2993MSD

Tgt Ion: 91 Resp: 151655

Ion Ratio Lower Upper

91 100

92 56.3 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.299 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063168.D

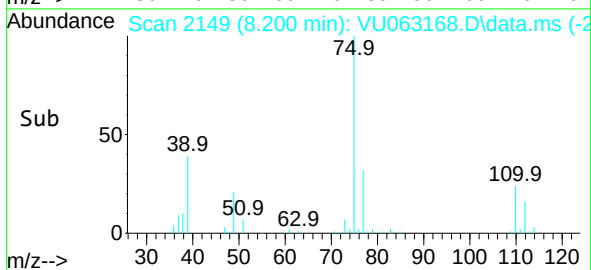
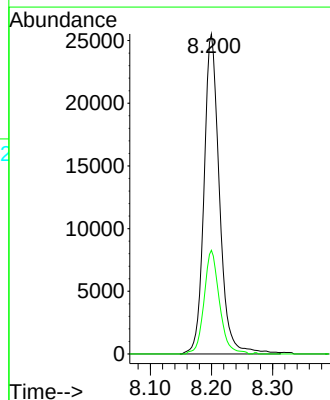
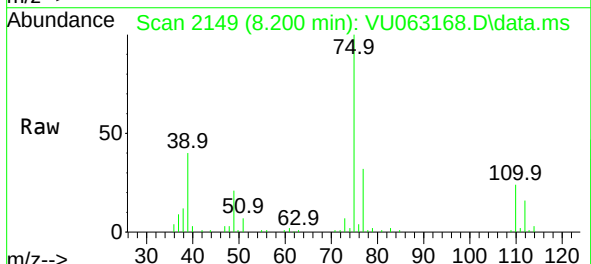
Acq: 05 Feb 2025 18:45

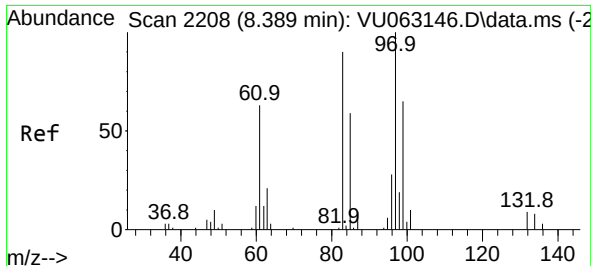
Tgt Ion: 75 Resp: 44829

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.297 ug/L

RT: 8.389 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD

Tgt Ion: 97 Resp: 27723

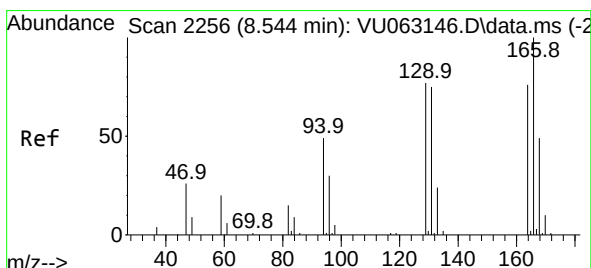
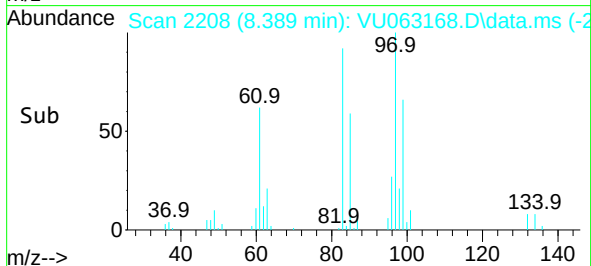
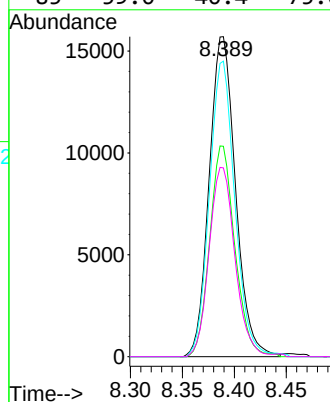
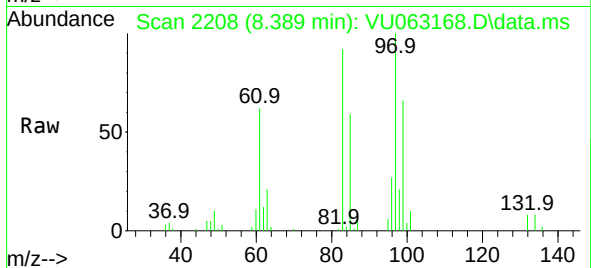
Ion Ratio Lower Upper

97 100

99 65.8 42.2 78.4

83 92.3 62.9 116.9

85 59.0 40.4 75.0



#47

Tetrachloroethene

Concen: 5.387 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Tgt Ion:164 Resp: 25532

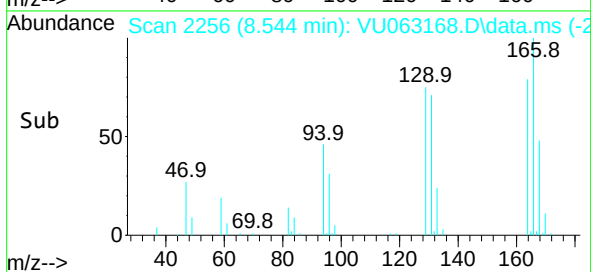
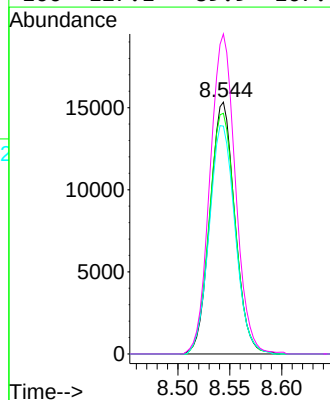
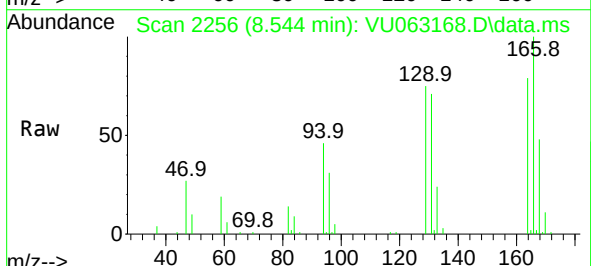
Ion Ratio Lower Upper

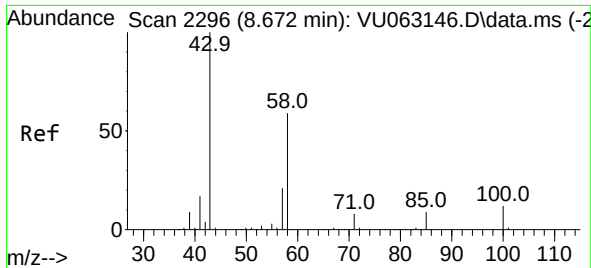
164 100

129 95.6 68.6 127.4

131 90.5 66.5 123.5

166 127.1 89.9 167.0



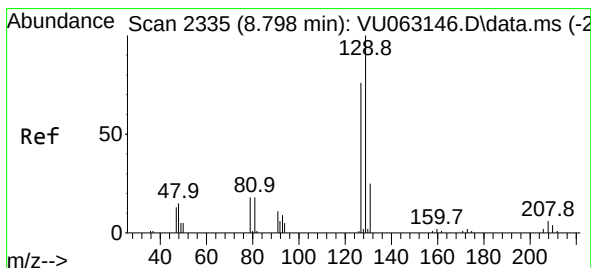
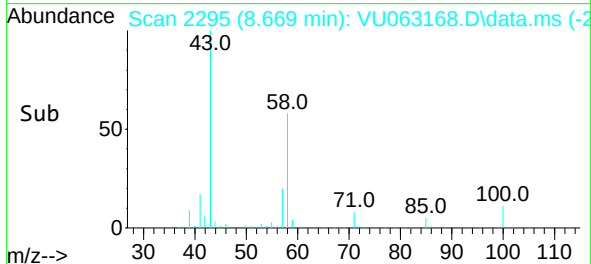
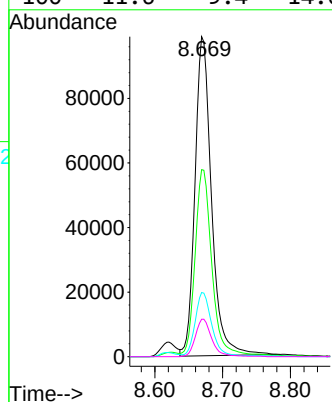
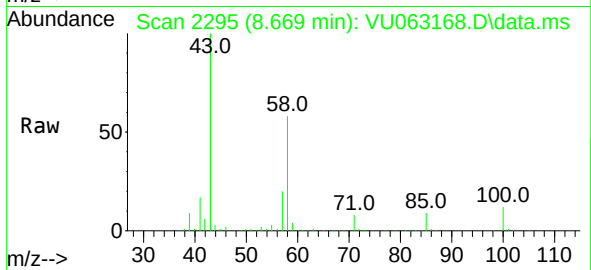


#48
2-Hexanone
Concen: 56.800 ug/L
RT: 8.669 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

Tgt Ion: 43 Resp: 167624

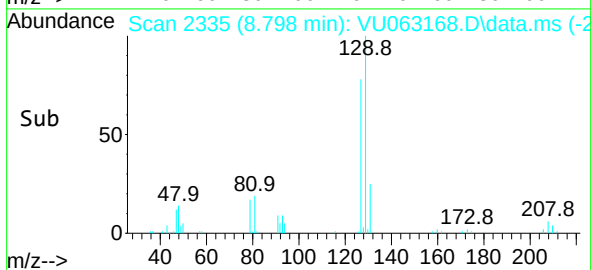
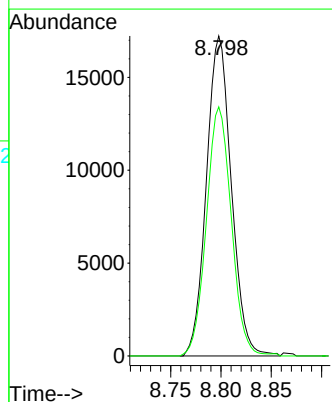
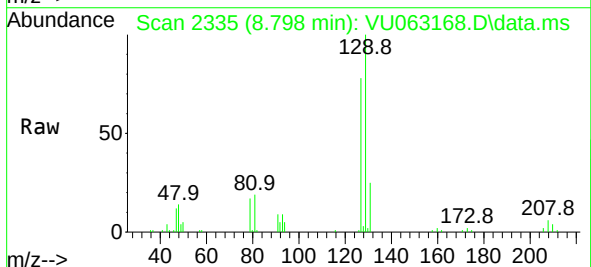
Ion	Ratio	Lower	Upper
43	100		
58	59.7	45.8	68.8
57	19.6	15.7	23.5
100	11.6	9.4	14.0

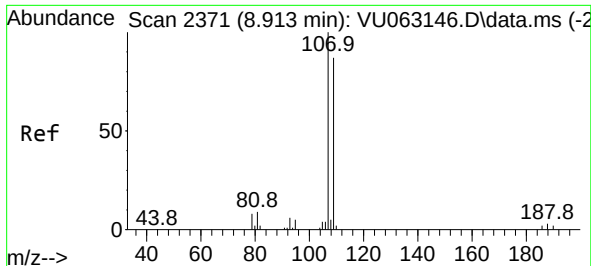


#49
Dibromochloromethane
Concen: 5.392 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 129 Resp: 29708

Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.8	99.8





#50

1,2-Dibromoethane

Concen: 5.433 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD

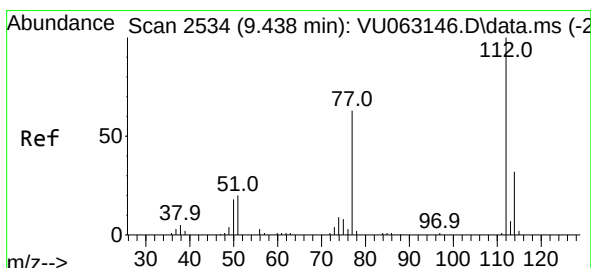
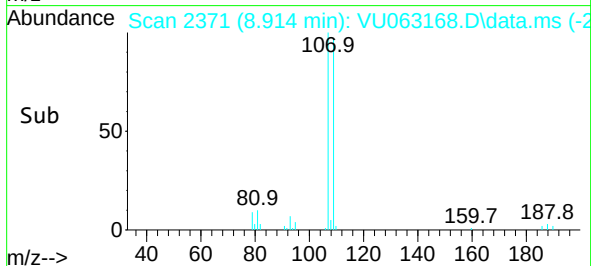
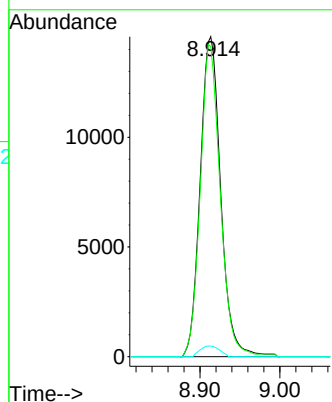
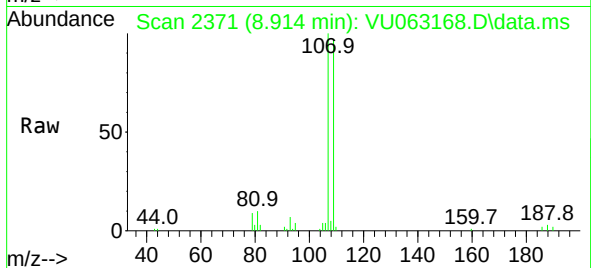
Tgt Ion:107 Resp: 26082

Ion Ratio Lower Upper

107 100

109 97.0 67.6 125.6

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 5.367 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

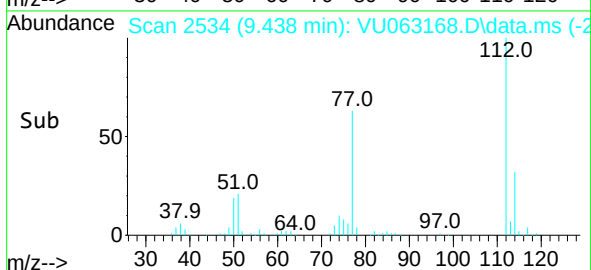
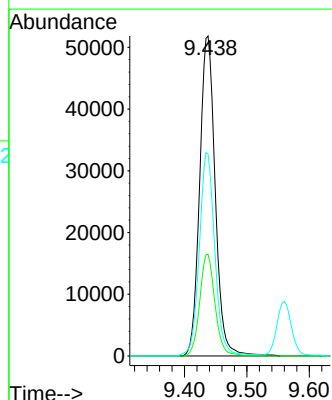
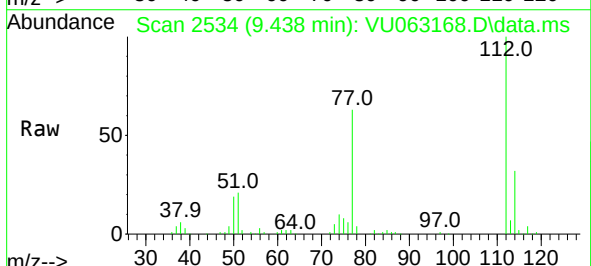
Tgt Ion:112 Resp: 89974

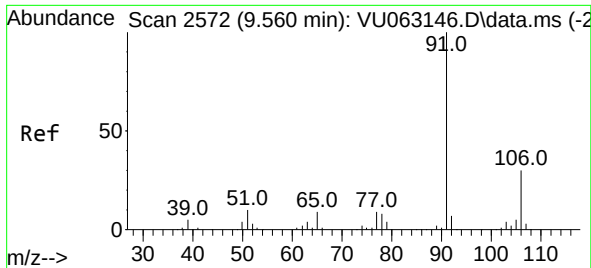
Ion Ratio Lower Upper

112 100

114 31.8 22.6 42.0

77 63.1 50.8 76.2

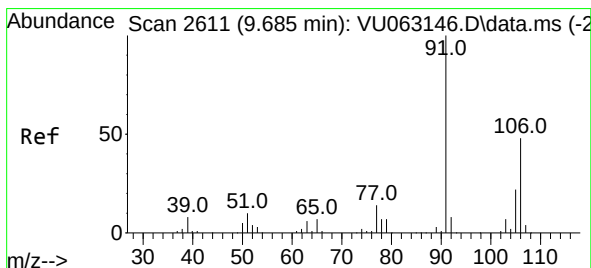
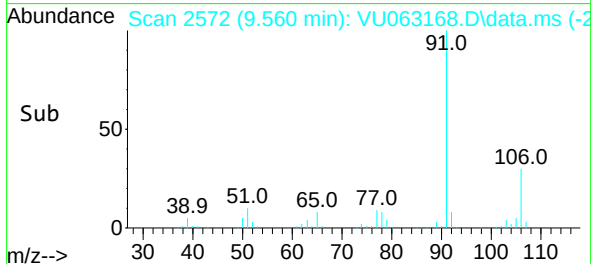
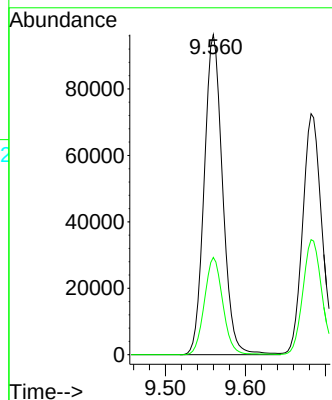
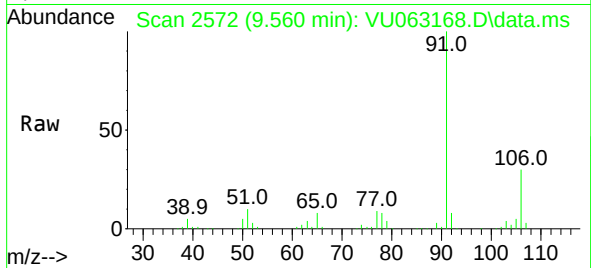




#52
Ethylbenzene
Concen: 5.312 ug/L
RT: 9.560 min Scan# 210
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

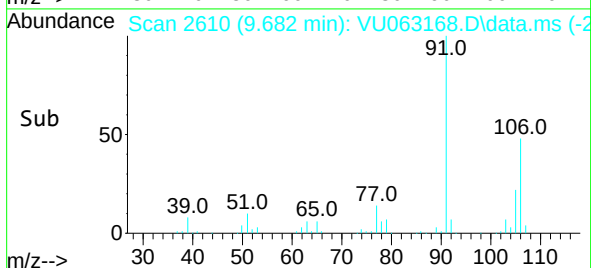
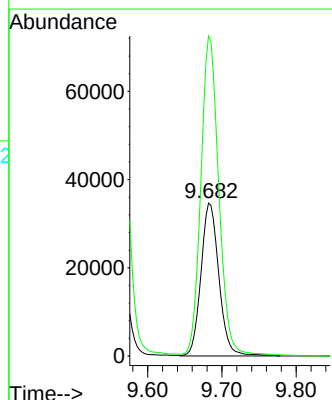
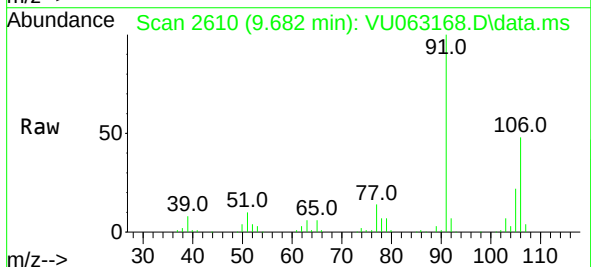
Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

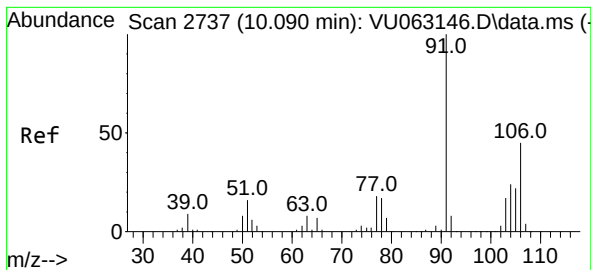
Tgt Ion: 91 Resp: 154317
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#53
m,p-Xylene
Concen: 5.552 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion: 106 Resp: 58177
Ion Ratio Lower Upper
106 100
91 209.5 147.3 273.6





#54

o-Xylene

Concen: 5.466 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

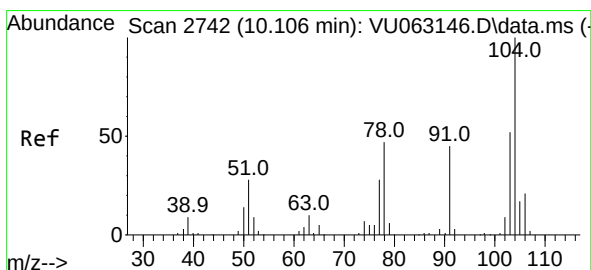
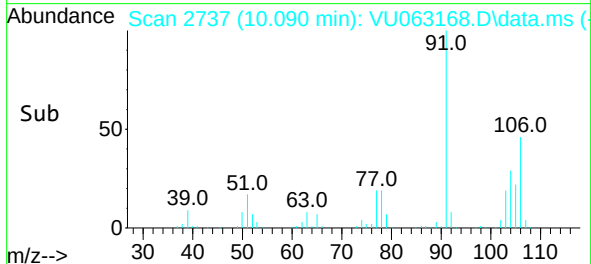
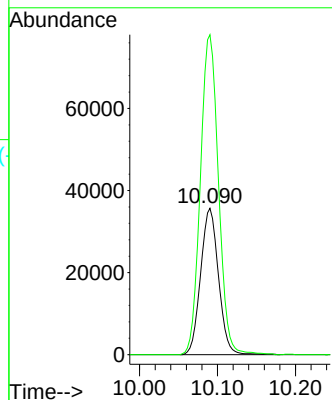
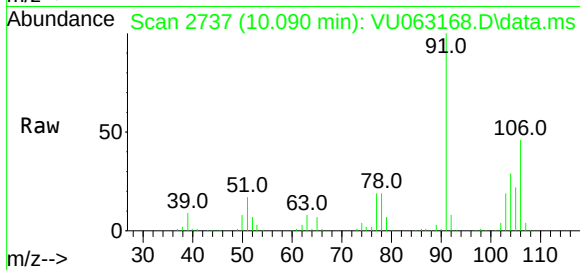
E2993MSD

Tgt Ion:106 Resp: 56796

Ion Ratio Lower Upper

106 100

91 218.6 155.4 288.6



#55

Styrene

Concen: 5.507 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.003 min

Lab File: VU063168.D

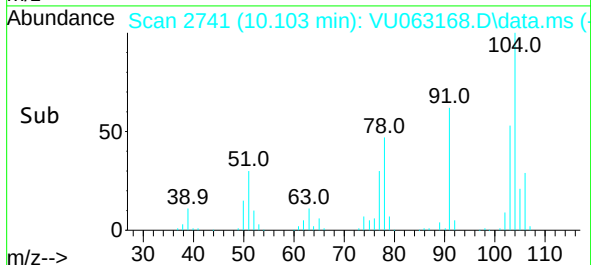
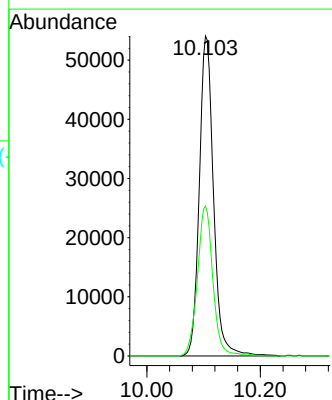
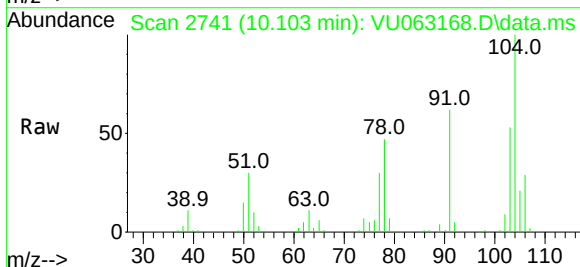
Acq: 05 Feb 2025 18:45

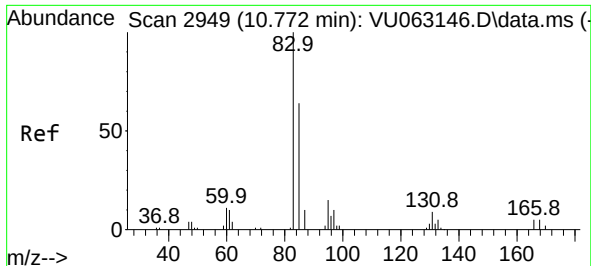
Tgt Ion:104 Resp: 94195

Ion Ratio Lower Upper

104 100

78 46.9 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.394 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD

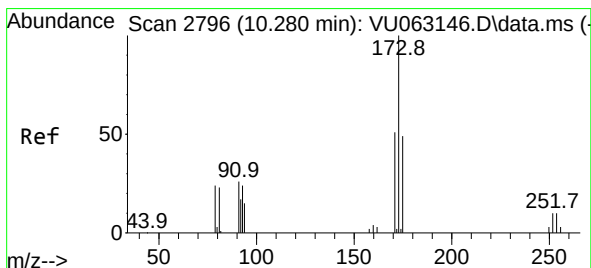
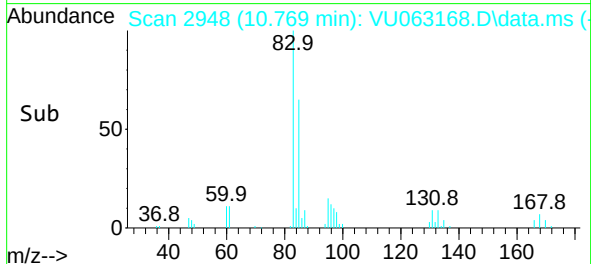
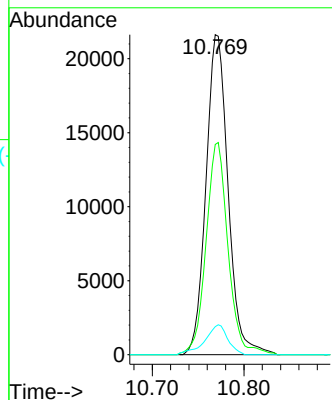
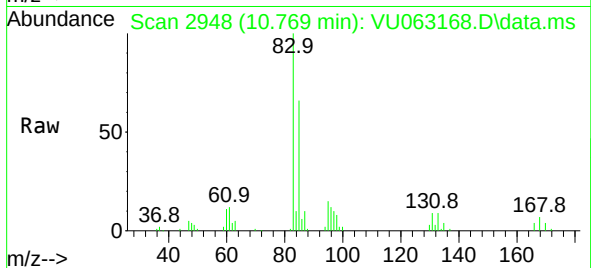
Tgt Ion: 83 Resp: 36236

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.8

131 8.8 7.4 11.0



#59

Bromoform

Concen: 5.469 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

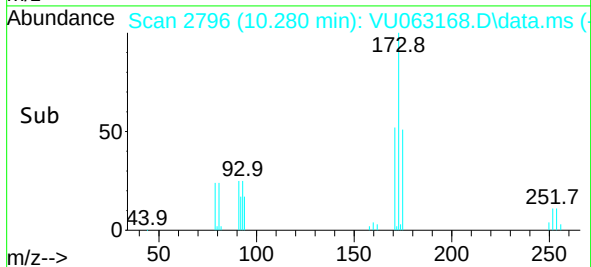
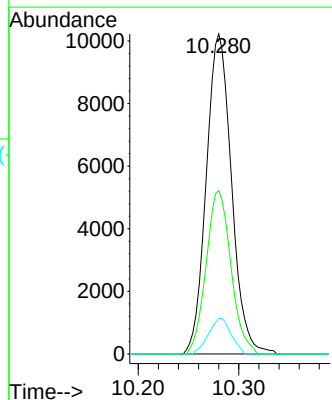
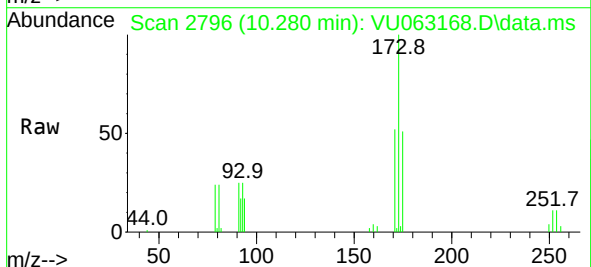
Tgt Ion:173 Resp: 17838

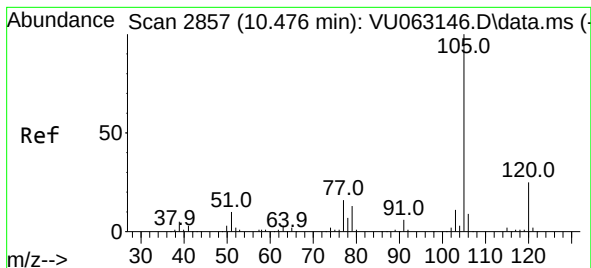
Ion Ratio Lower Upper

173 100

175 50.1 37.7 56.5

254 9.9 7.9 11.9





#60

Isopropylbenzene

Concen: 5.624 ug/L

RT: 10.473 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD

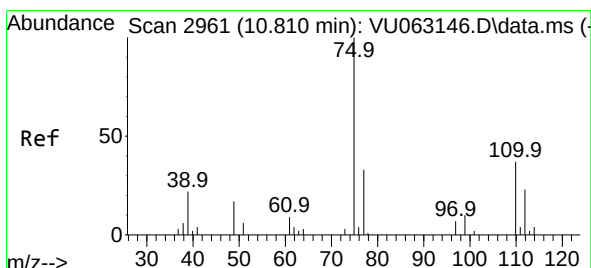
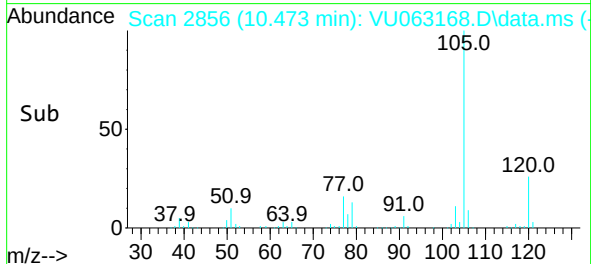
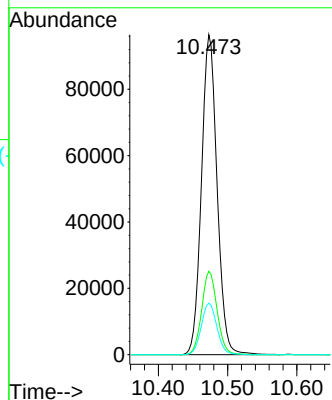
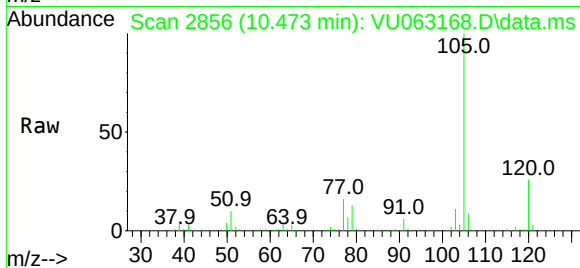
Tgt Ion:105 Resp: 151080

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

77 16.1 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.437 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

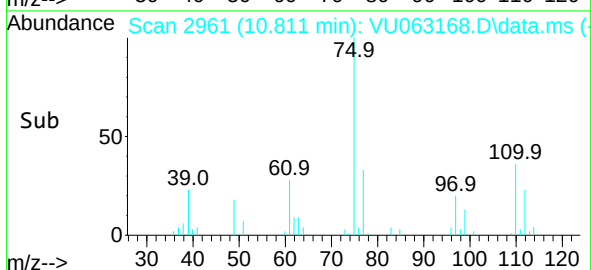
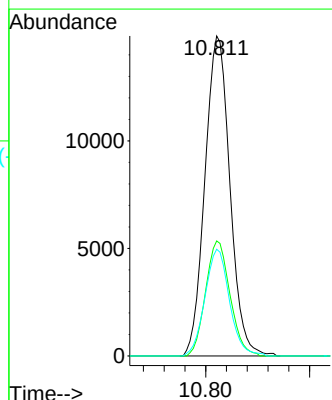
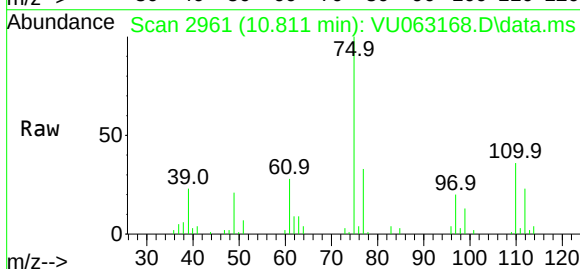
Tgt Ion: 75 Resp: 24819

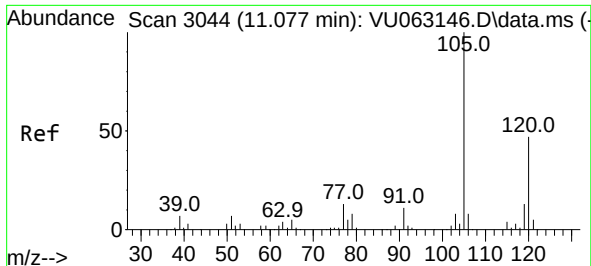
Ion Ratio Lower Upper

75 100

110 35.0 27.4 41.0

77 32.8 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.571 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

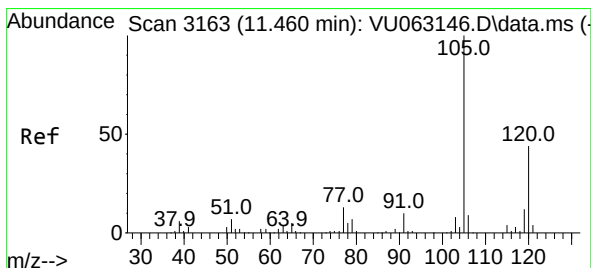
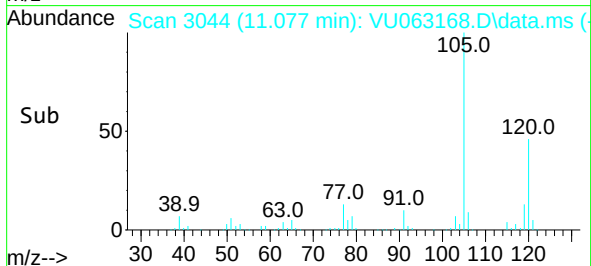
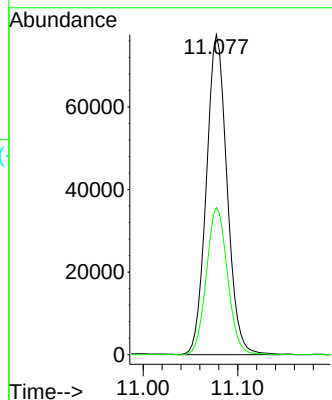
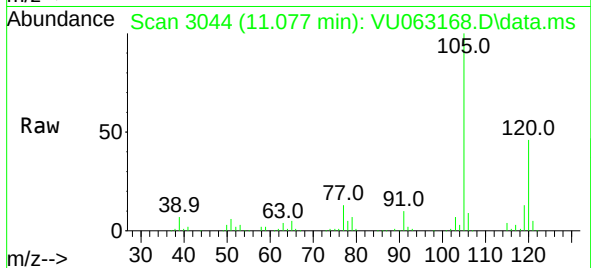
E2993MSD

Tgt Ion:105 Resp: 118032

Ion Ratio Lower Upper

105 100

120 46.8 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.660 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063168.D

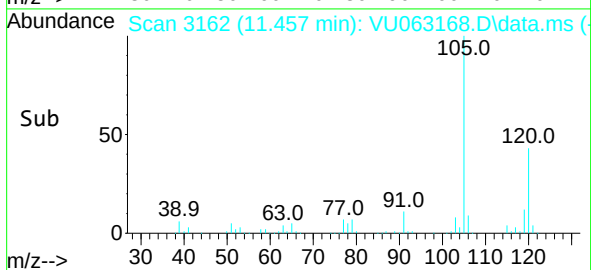
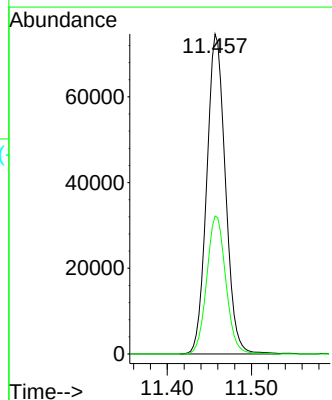
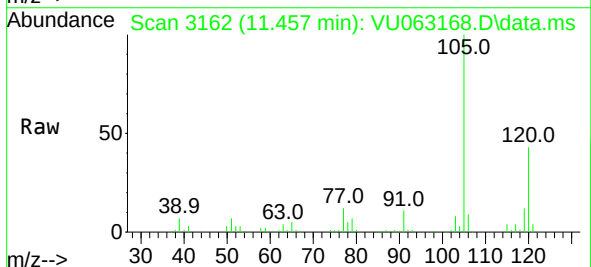
Acq: 05 Feb 2025 18:45

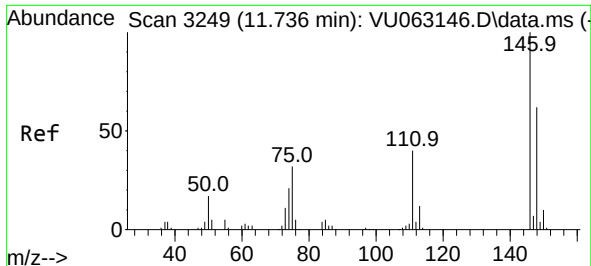
Tgt Ion:105 Resp: 115334

Ion Ratio Lower Upper

105 100

120 43.9 34.7 52.1

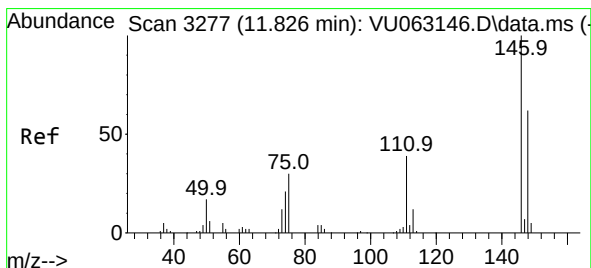
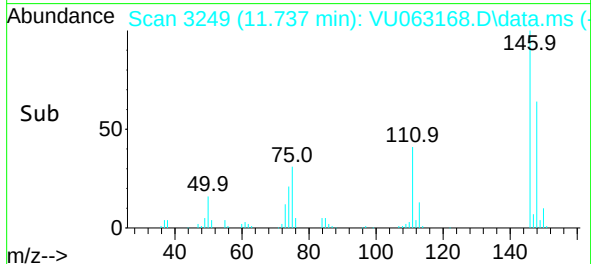
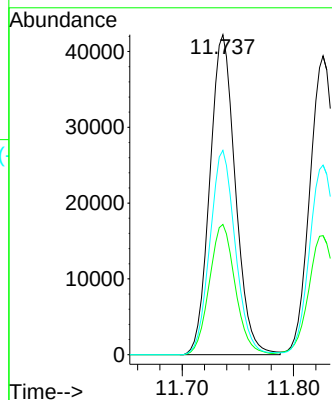
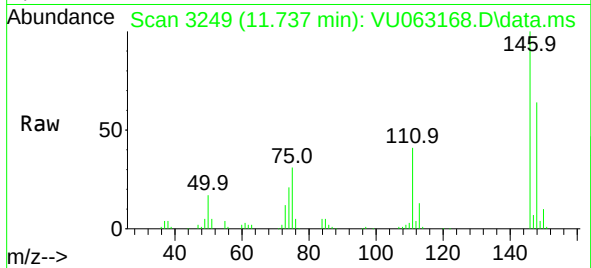




#64
1,3-Dichlorobenzene
Concen: 5.519 ug/L
RT: 11.737 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

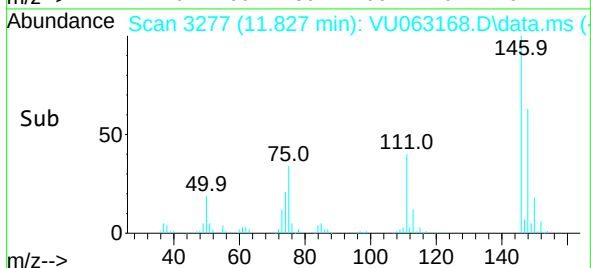
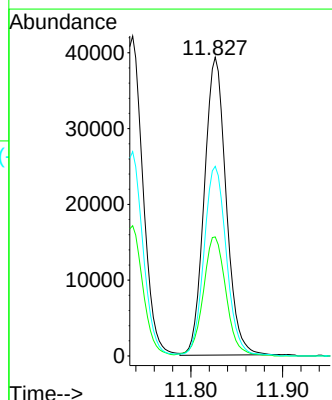
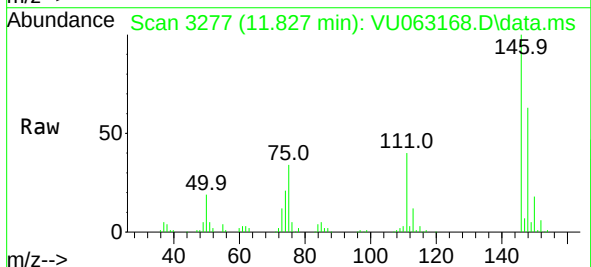
Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

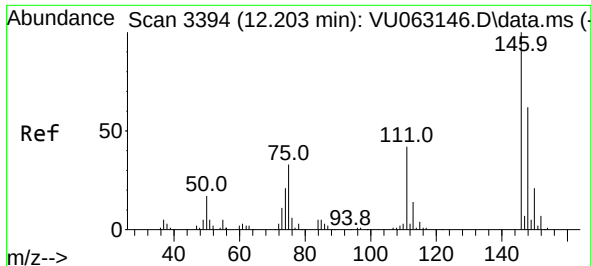
Tgt Ion:146 Resp: 67168
Ion Ratio Lower Upper
146 100
111 40.7 27.9 51.7
148 63.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.324 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion:146 Resp: 65143
Ion Ratio Lower Upper
146 100
111 39.8 28.5 52.9
148 63.4 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.649 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD

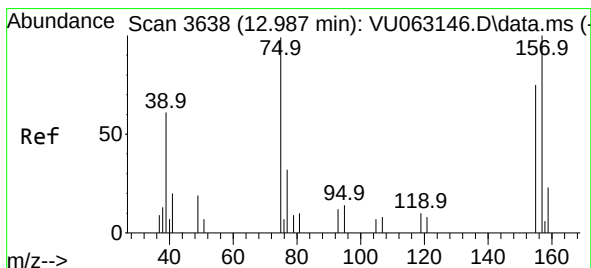
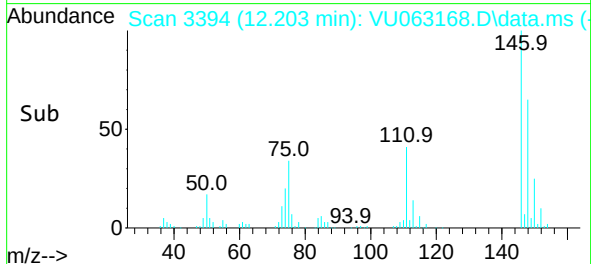
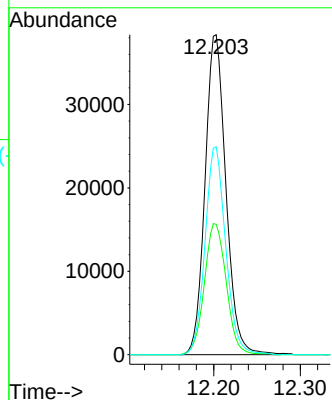
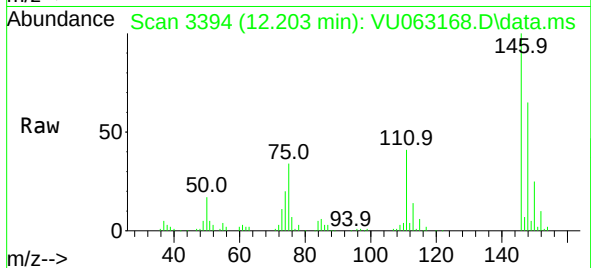
Tgt Ion:146 Resp: 64247

Ion Ratio Lower Upper

146 100

111 40.8 34.1 51.1

148 65.0 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.791 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

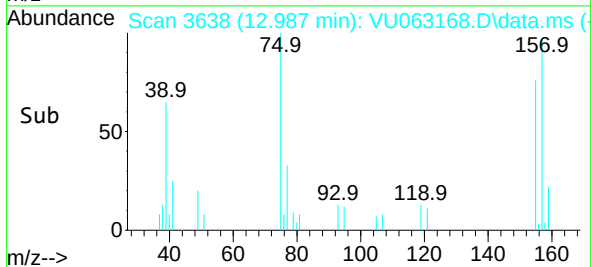
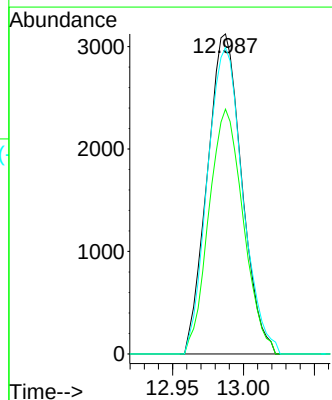
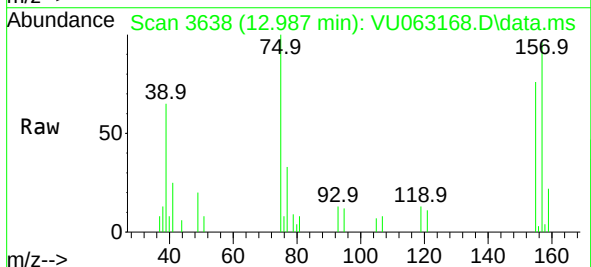
Tgt Ion: 75 Resp: 5289

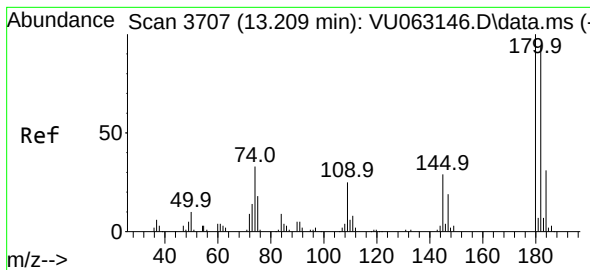
Ion Ratio Lower Upper

75 100

155 76.5 61.6 92.4

157 95.7 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 5.499 ug/L

RT: 13.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063168.D

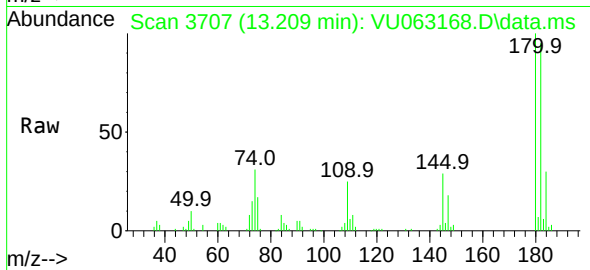
Acq: 05 Feb 2025 18:45

Instrument :

MSVOA_U

ClientSampleId :

E2993MSD



Tgt Ion:180 Resp: 45725

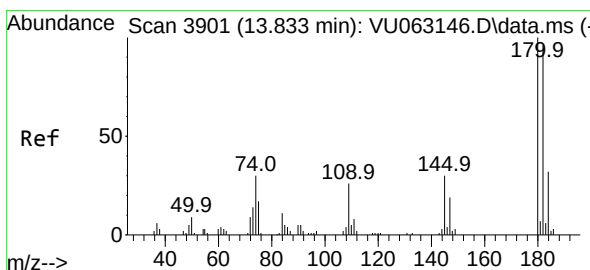
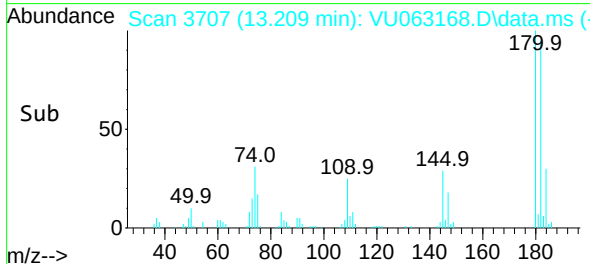
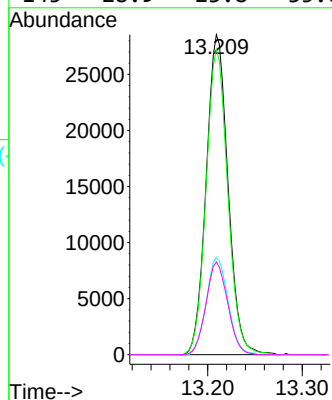
Ion Ratio Lower Upper

180 100

182 94.9 76.7 115.1

184 30.3 23.8 35.8

145 28.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 5.558 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063168.D

Acq: 05 Feb 2025 18:45

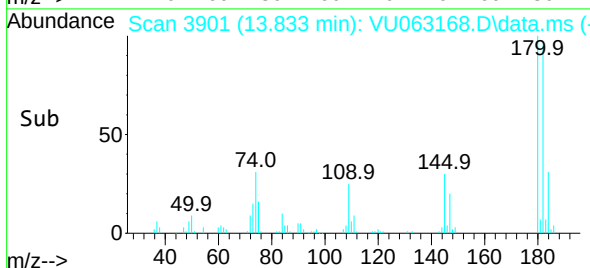
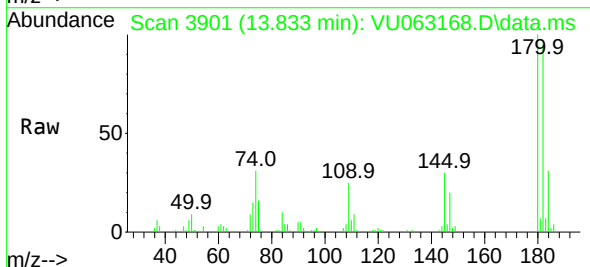
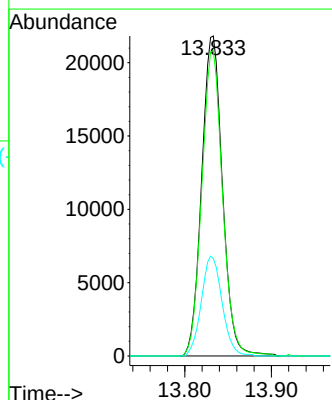
Tgt Ion:180 Resp: 36361

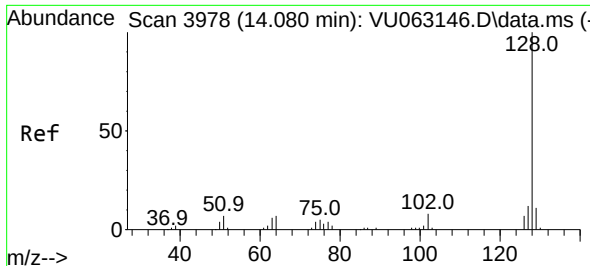
Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

145 31.1 24.3 36.5

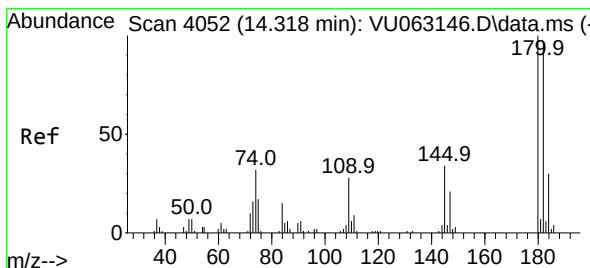
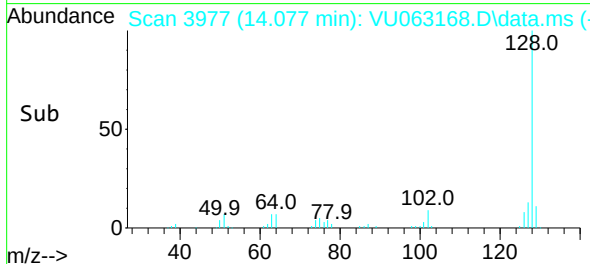
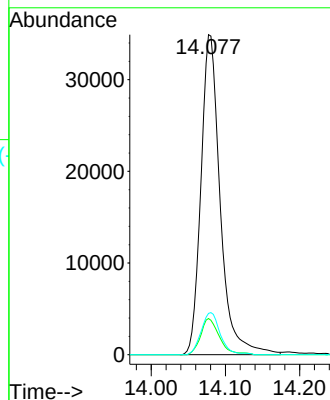
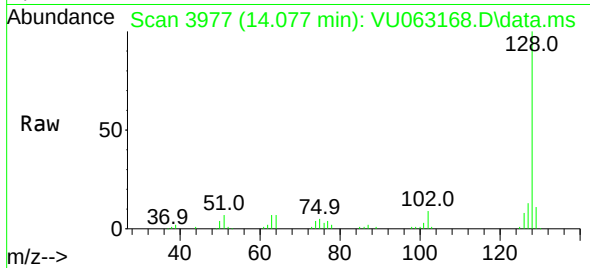




#71
Naphthalene
Concen: 5.866 ug/L
RT: 14.077 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Instrument :
MSVOA_U
ClientSampleId :
E2993MSD

Tgt Ion:128	Resp:	62985
Ion Ratio	Lower	Upper
128	100	
129	11.0	8.0 12.0
127	13.0	10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.960 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. 0.000 min
Lab File: VU063168.D
Acq: 05 Feb 2025 18:45

Tgt Ion:180	Resp:	34841
Ion Ratio	Lower	Upper
180	100	
182	96.4	78.5 117.7
145	31.6	26.1 39.1

