

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020625\
 Data File : VU063187.D
 Acq On : 06 Feb 2025 11:03
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 07 07:25:50 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	86611	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	82389	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	39556	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20838	4.206	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.901	69	21223	4.616	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.557	65	9722	4.396	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.605	46	74838	45.887	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.780%
24) Chloroform-d	5.049	84	52921	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.689	65	26389	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.714	84	100508	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.679	67	33901	4.785	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.888	98	89815	4.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	8.171	79	12270	4.622	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.621	63	59052	44.197	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.400%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	28840	4.612	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	31564	4.779	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	40836	5.442	ug/L	99
3) Chloromethane	1.515	50	40455	4.921	ug/L	99
5) Vinyl chloride	1.599	62	42649	5.125	ug/L	99
6) Bromomethane	1.843	94	18948	4.529	ug/L	98
8) Chloroethane	1.923	64	26451	5.277	ug/L	98
9) Trichlorofluoromethane	2.129	101	51248	5.483	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	32893	5.725	ug/L	99
12) 1,1-Dichloroethene	2.570	96	30099	5.347	ug/L	91
13) Acetone	2.612	43	47559	46.307	ug/L	97
14) Carbon disulfide	2.782	76	102538	5.187	ug/L	99
15) Methyl Acetate	2.939	43	13100	4.670	ug/L	98
16) Methylene chloride	3.030	84	35138	5.218	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	76604	4.938	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	32621	5.419	ug/L	97
19) 1,1-Dichloroethane	3.853	63	62874	5.195	ug/L	97
21) 2-Butanone	4.682	43	80548	47.236	ug/L	97
22) cis-1,2-Dichloroethene	4.650	96	36664	5.460	ug/L	100
23) Bromochloromethane	4.959	128	15743	5.226	ug/L	97
25) Chloroform	5.071	83	64113	5.383	ug/L	98

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 ALS Vial : 2 Sample Multiplier: 1

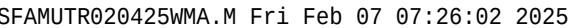
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 MSVOA_U
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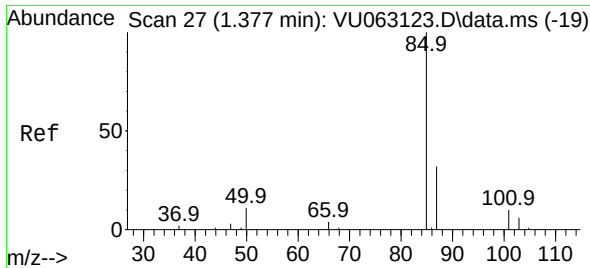
Quant Time: Feb 07 07:25:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	39670	5.055	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	52257	5.359	ug/L	98
30) Cyclohexane	5.373	56	56520	5.476	ug/L	99
31) Carbon tetrachloride	5.512	117	44250	5.378	ug/L	100
33) Benzene	5.759	78	144012	5.312	ug/L	100
34) Trichloroethene	6.531	95	36791	5.343	ug/L	98
35) Methylcyclohexane	6.753	83	57770	5.599	ug/L	99
37) 1,2-Dichloropropane	6.779	63	38435	5.315	ug/L	99
38) Bromodichloromethane	7.094	83	44891	5.170	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	53908	5.228	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	203098	47.584	ug/L	100
42) Toluene	7.959	91	152603	5.385	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	44637	5.171	ug/L	98
45) 1,1,2-Trichloroethane	8.389	97	26861	5.030	ug/L	97
47) Tetrachloroethene	8.544	164	26386	5.456	ug/L	98
48) 2-Hexanone	8.672	43	142454	47.309	ug/L	99
49) Dibromochloromethane	8.798	129	28212	5.019	ug/L	99
50) 1,2-Dibromoethane	8.914	107	24782	5.059	ug/L	96
51) Chlorobenzene	9.438	112	91326	5.339	ug/L	98
52) Ethylbenzene	9.560	91	160958	5.430	ug/L	100
53) m,p-Xylene	9.685	106	61335	5.736	ug/L	98
54) o-Xylene	10.090	106	58345	5.503	ug/L	99
55) Styrene	10.106	104	96941	5.555	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	33022	4.817	ug/L	100
59) Bromoform	10.280	173	16976	4.978	ug/L	98
60) Isopropylbenzene	10.473	105	156967	5.588	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	22900	4.797	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	126232	5.697	ug/L	98
63) 1,2,4-Trimethylbenzene	11.457	105	122909	5.769	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	69157	5.434	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	68278	5.336	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	65103	5.474	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.984	75	4567	4.782	ug/L	97
69) 1,3,5-Trichlorobenzene	13.209	180	49037	5.639	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	37143	5.429	ug/L	99
71) Naphthalene	14.081	128	54732	4.875	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	32543	5.324	ug/L	99

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

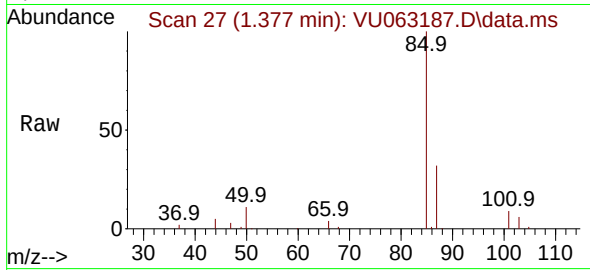
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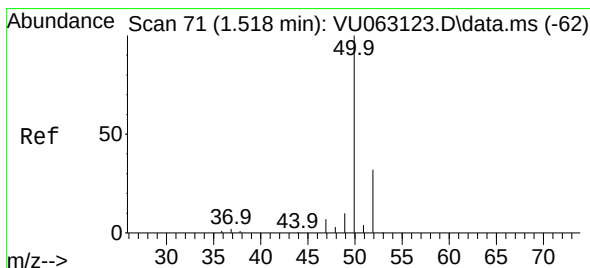
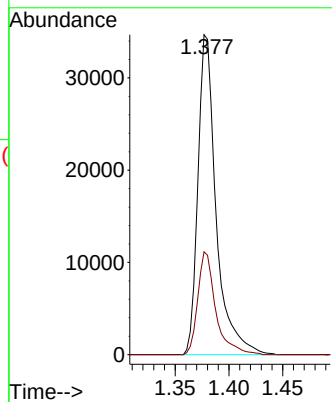
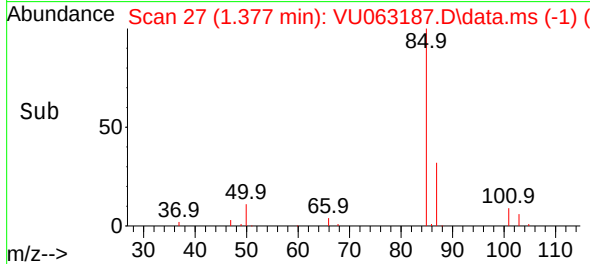


#2
 Dichlorodifluoromethane
 Concen: 5.442 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063187.D
 Acq: 06 Feb 2025 11:03

Instrument :
 MSVOA_U
 ClientSampleId :

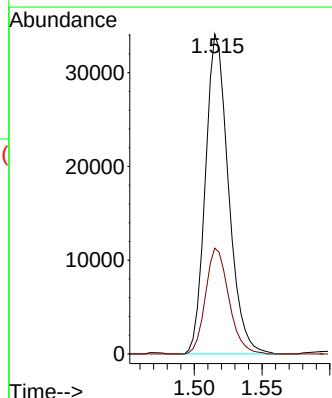
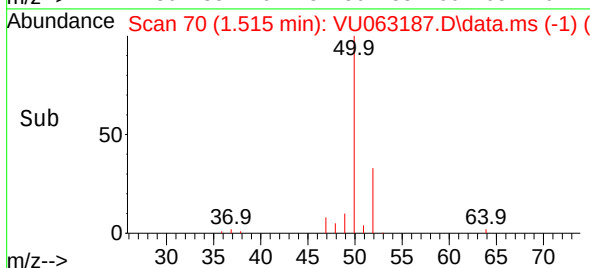
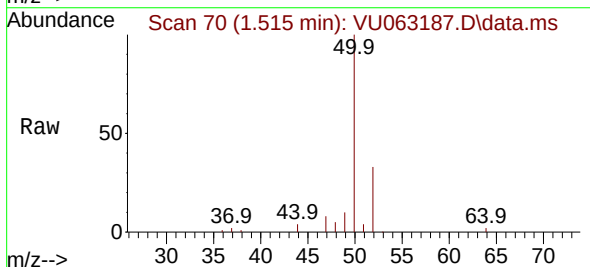


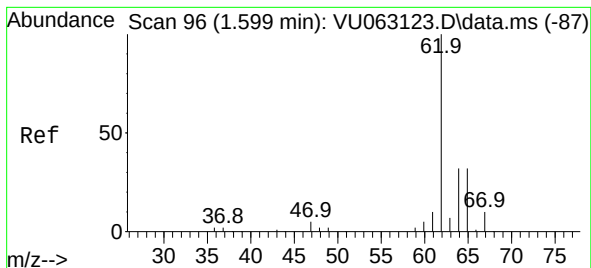
Tgt Ion: 85 Resp: 40836
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.9 38.9



#3
 Chloromethane
 Concen: 4.921 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063187.D
 Acq: 06 Feb 2025 11:03

Tgt Ion: 50 Resp: 40455
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.6





#5

Vinyl chloride

Concen: 5.125 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

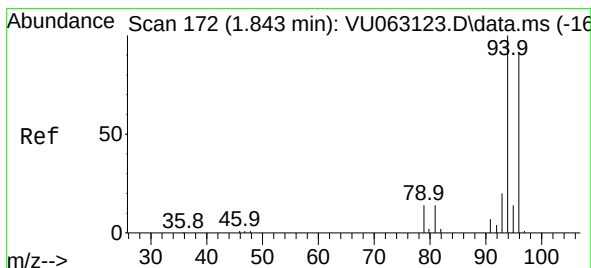
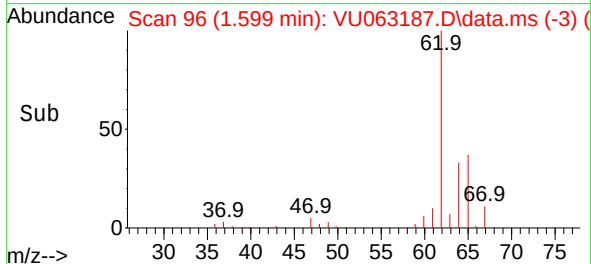
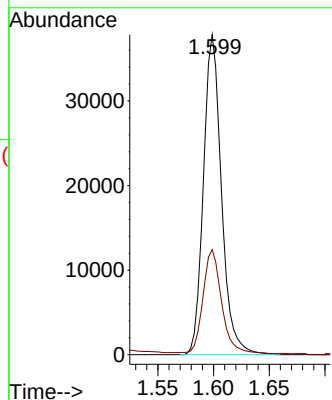
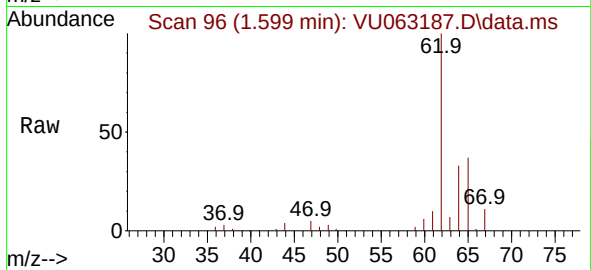
ClientSampleId :

Tgt Ion: 62 Resp: 42649

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



#6

Bromomethane

Concen: 4.529 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.000 min

Lab File: VU063187.D

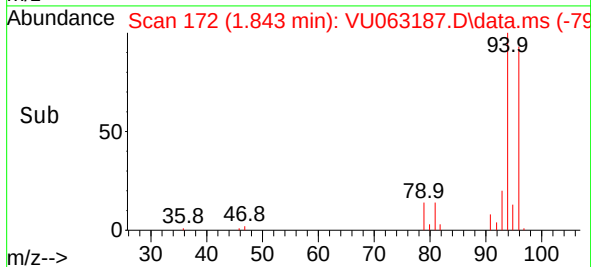
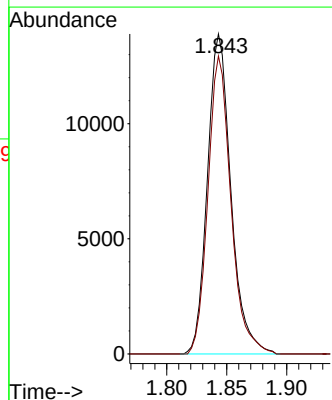
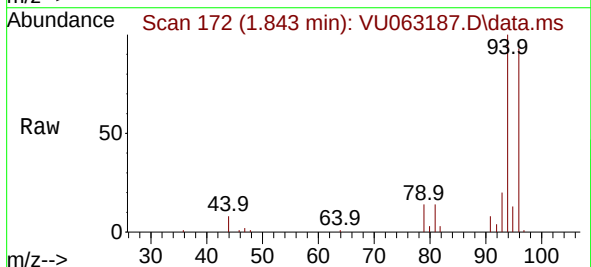
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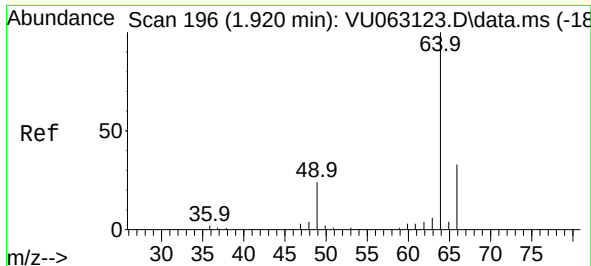
Tgt Ion: 94 Resp: 18948

Ion Ratio Lower Upper

94 100

96 93.1 66.3 123.1

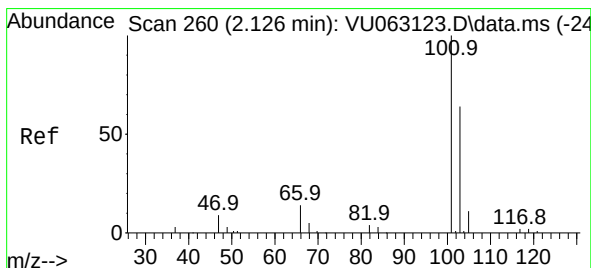
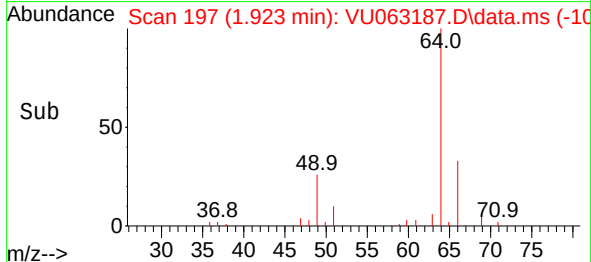
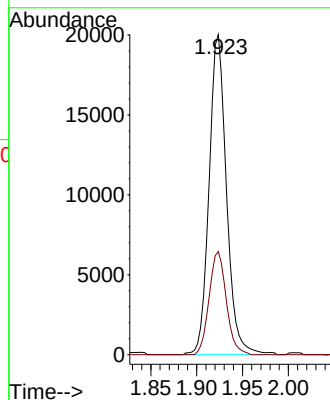
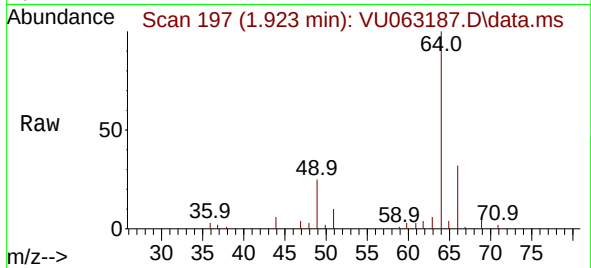




#8
Chloroethane
Concen: 5.277 ug/L
RT: 1.923 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

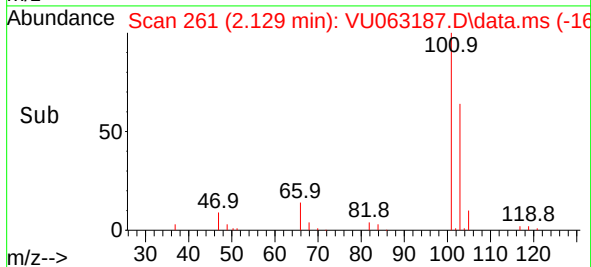
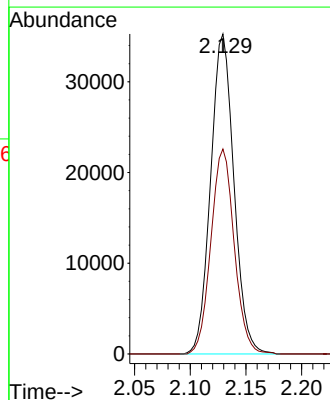
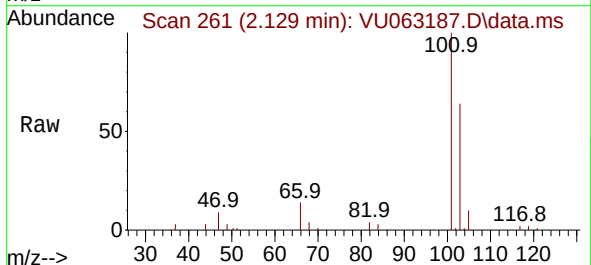
Instrument :
MSVOA_U
ClientSampleId :

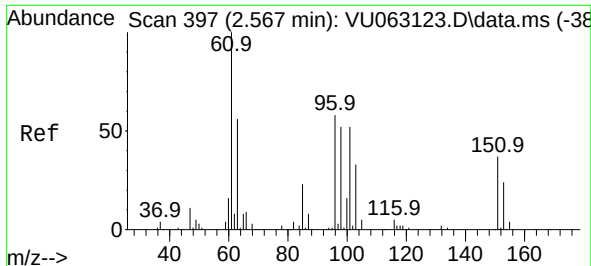
Tgt Ion: 64 Resp: 26451
Ion Ratio Lower Upper
64 100
66 32.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.483 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion:101 Resp: 51248
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8

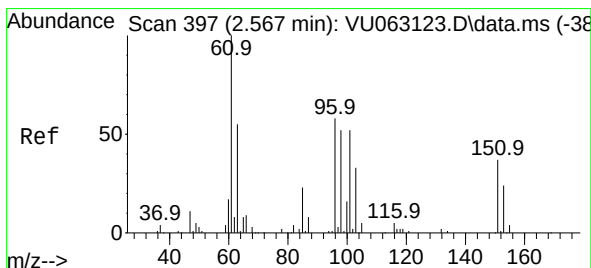
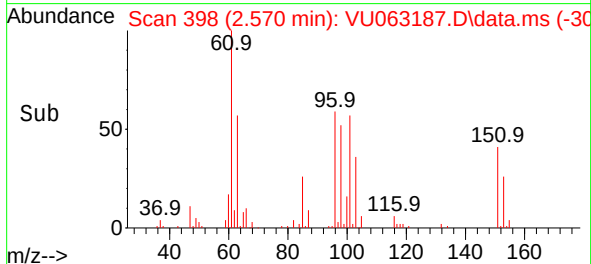
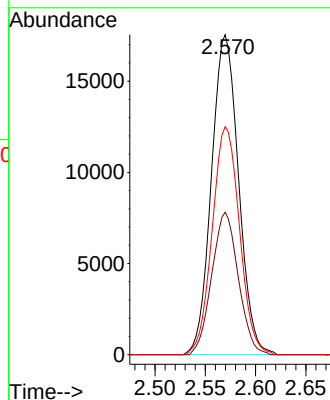
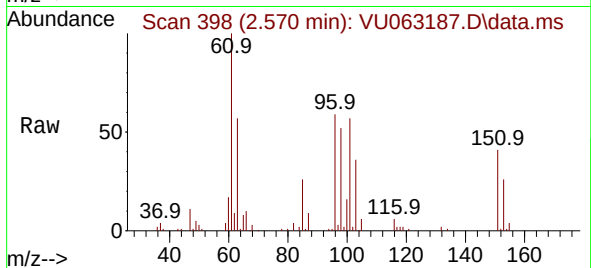




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.725 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

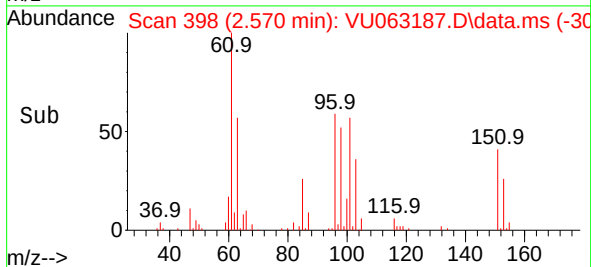
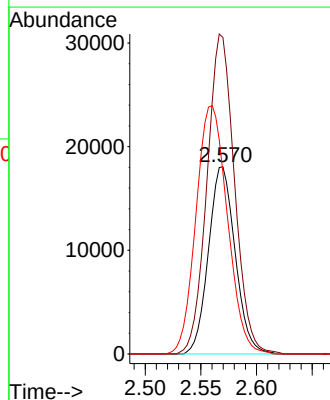
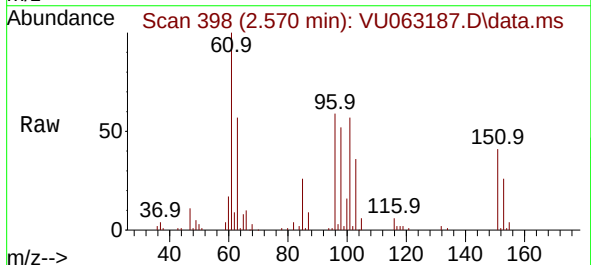
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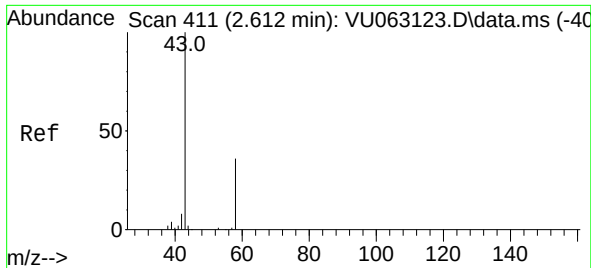
Tgt Ion:101 Resp: 32893
Ion Ratio Lower Upper
101 100
85 43.6 35.0 52.4
151 71.7 56.3 84.5



#12
1,1-Dichloroethene
Concen: 5.347 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

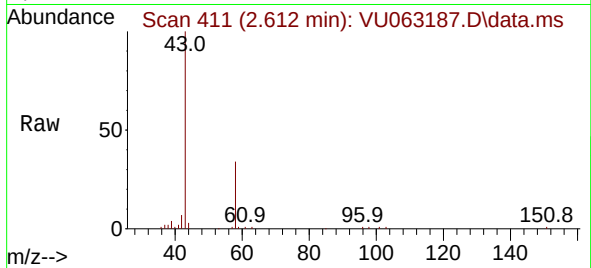
Tgt Ion: 96 Resp: 30099
Ion Ratio Lower Upper
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61 169.1 121.9 226.3
63 97.0 80.3 149.1



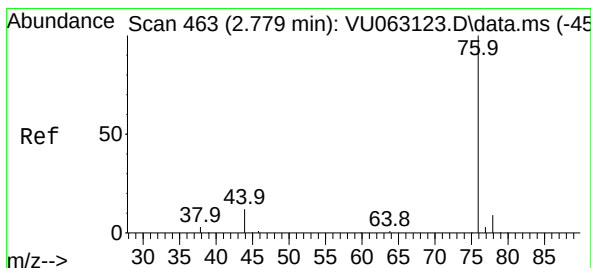
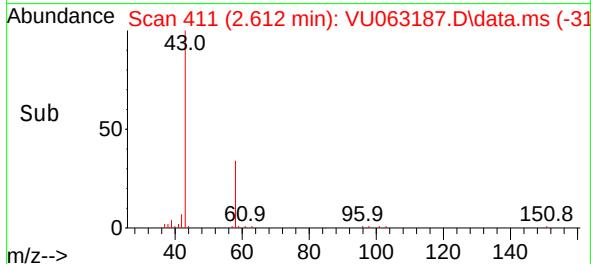
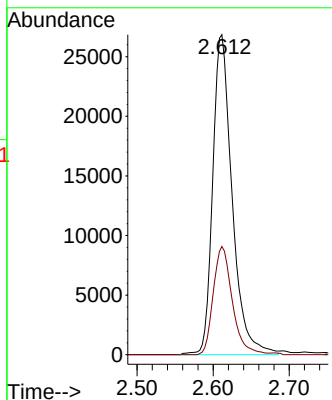


#13
Acetone
Concen: 46.307 ug/L
RT: 2.612 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Instrument :
MSVOA_U
ClientSampleId :

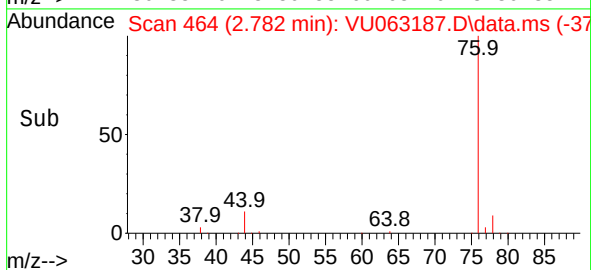
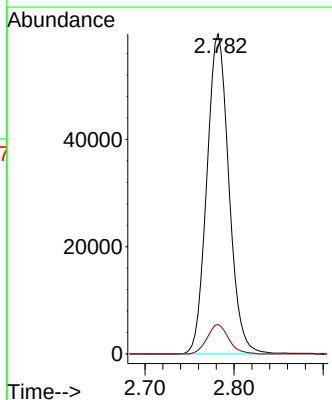
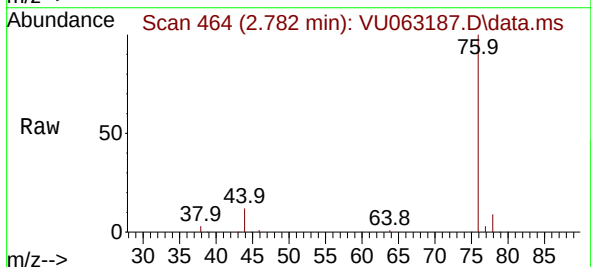


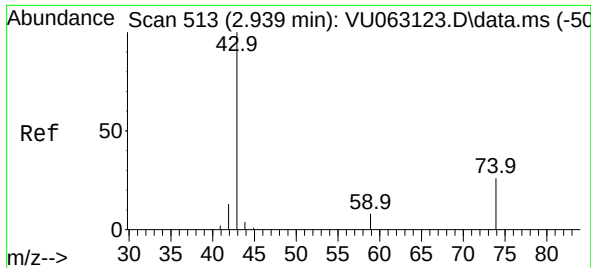
Tgt Ion: 43 Resp: 47559
Ion Ratio Lower Upper
43 100
58 33.2 0.0 70.2



#14
Carbon disulfide
Concen: 5.187 ug/L
RT: 2.782 min Scan# 464
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

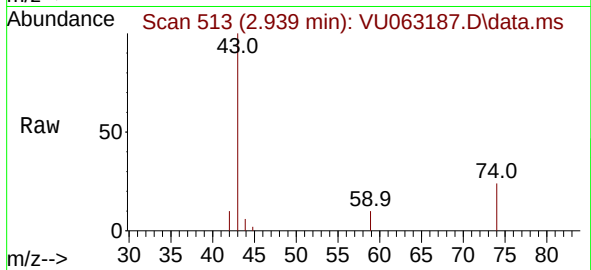
Tgt Ion: 76 Resp: 102538
Ion Ratio Lower Upper
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78 9.2 7.5 11.3



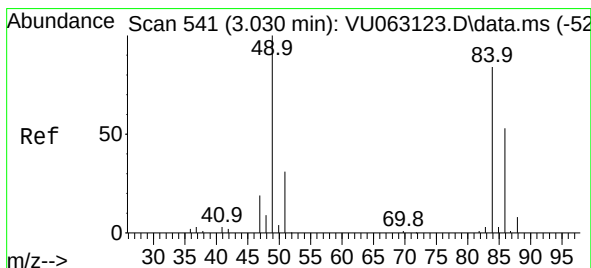
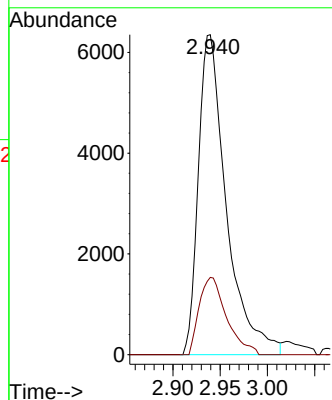
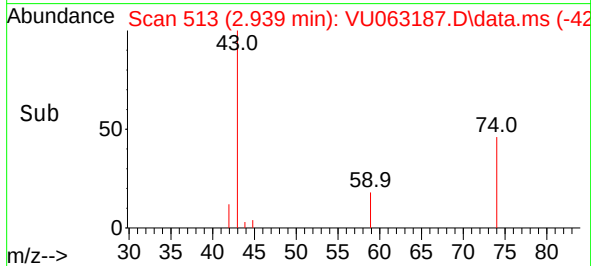


#15
Methyl Acetate
Concen: 4.670 ug/L
RT: 2.939 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Instrument :
MSVOA_U
ClientSampleId :

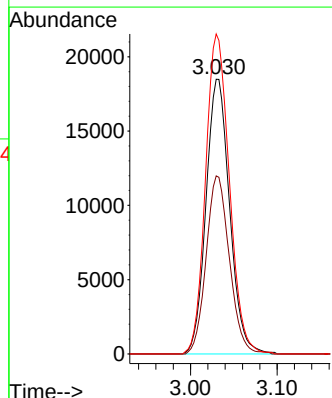
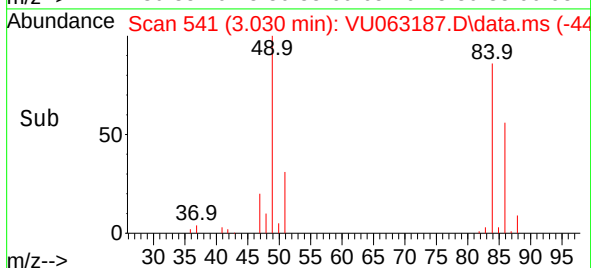
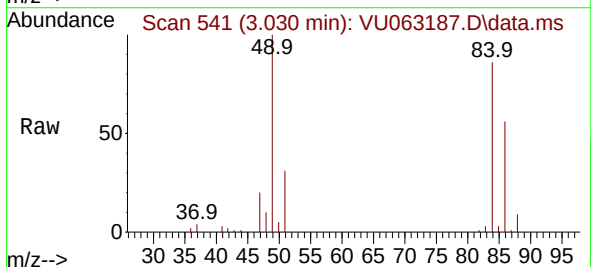


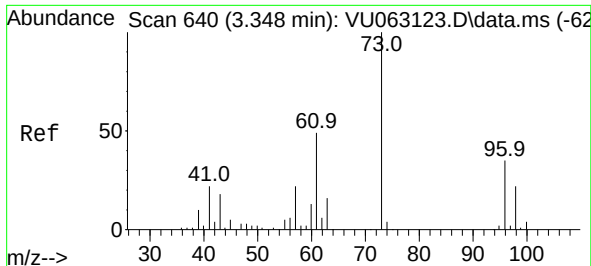
Tgt Ion: 43 Resp: 13100
Ion Ratio Lower Upper
43 100
74 23.5 19.5 29.3



#16
Methylene chloride
Concen: 5.218 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion: 84 Resp: 35138
Ion Ratio Lower Upper
84 100
86 64.8 45.0 83.6
49 116.5 82.4 153.0

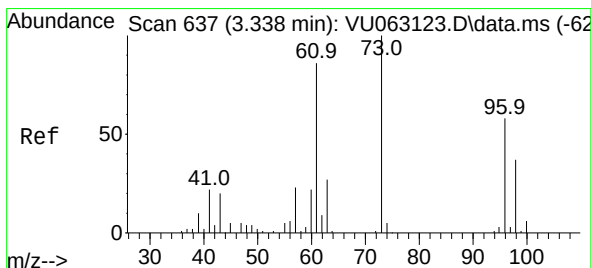
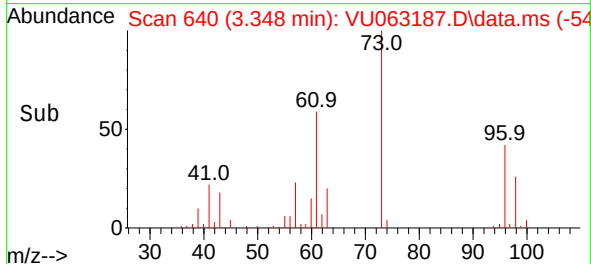
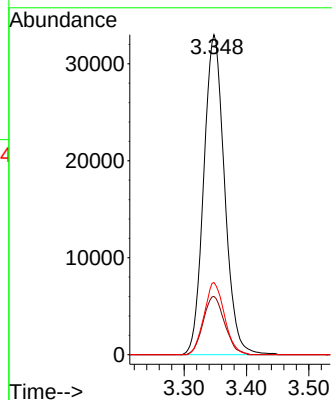
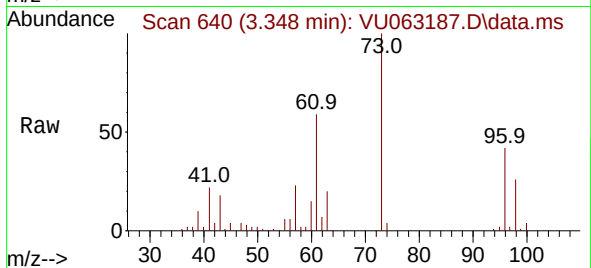




#17
Methyl tert-butyl Ether
Concen: 4.938 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

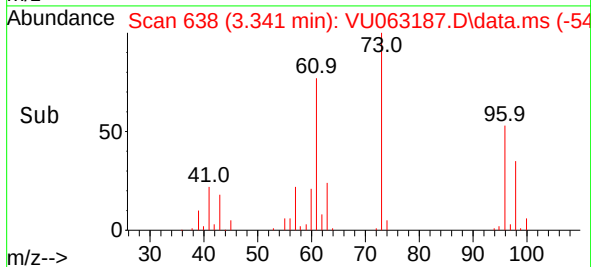
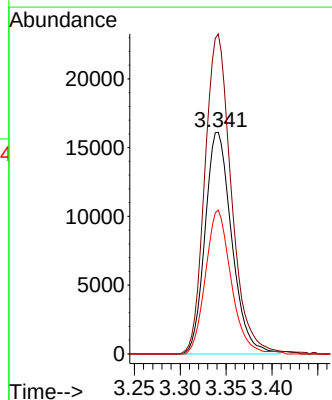
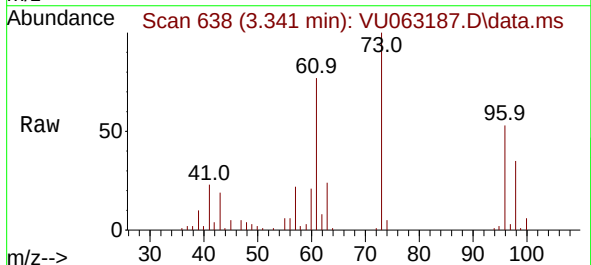
Instrument :
MSVOA_U
ClientSampleId :

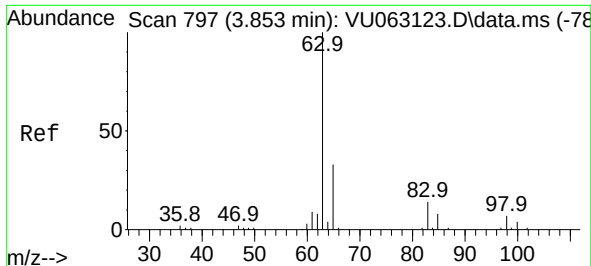
Tgt Ion: 73	Resp: 76604
Ion Ratio	Lower Upper
73 100	
43 18.8	15.1 22.7
57 22.1	18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.419 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion: 96	Resp: 32621
Ion Ratio	Lower Upper
96 100	
61 144.3	99.2 184.2
98 64.8	43.2 80.2

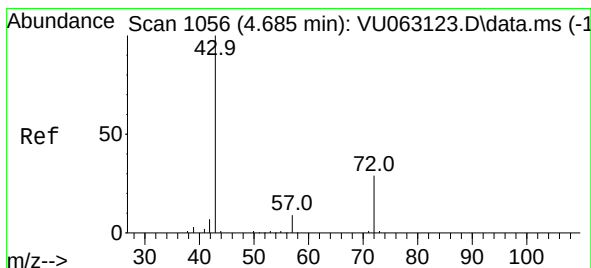
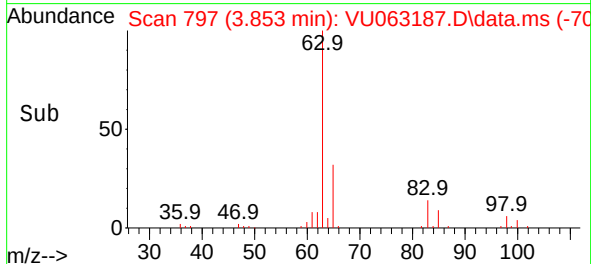
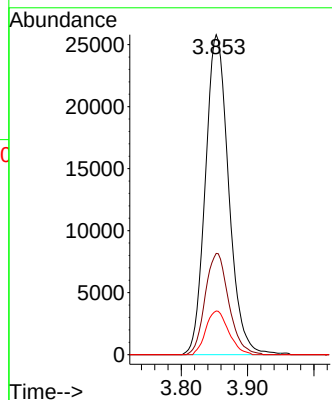
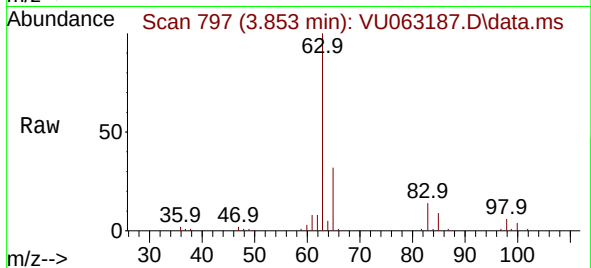




#19
1,1-Dichloroethane
Concen: 5.195 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

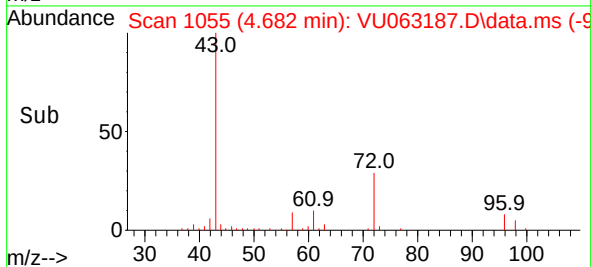
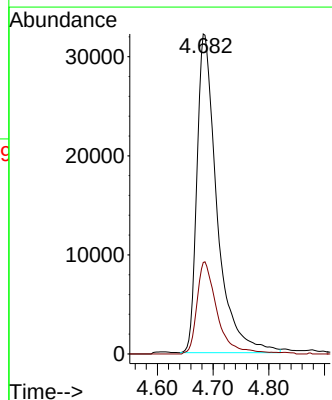
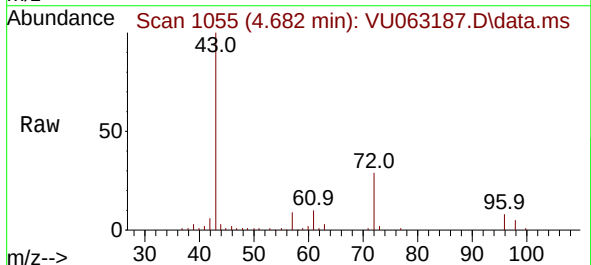
Instrument :
MSVOA_U
ClientSampleId :

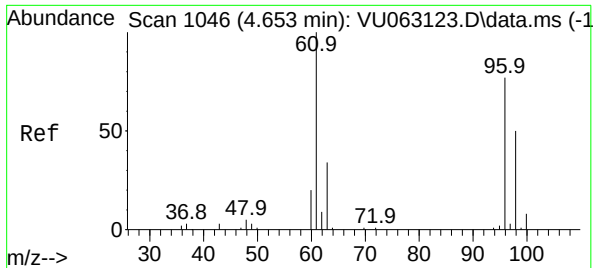
Tgt Ion: 63 Resp: 62874
Ion Ratio Lower Upper
63 100
65 31.6 23.2 43.0
83 13.7 8.7 16.1



#21
2-Butanone
Concen: 47.236 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

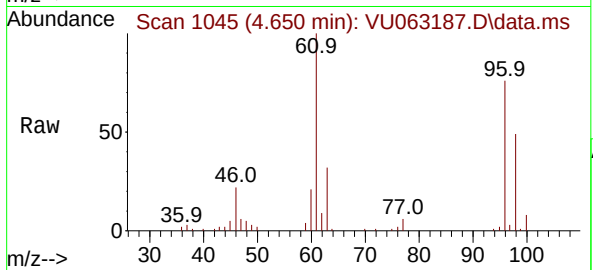
Tgt Ion: 43 Resp: 80548
Ion Ratio Lower Upper
43 100
72 29.1 13.9 41.7





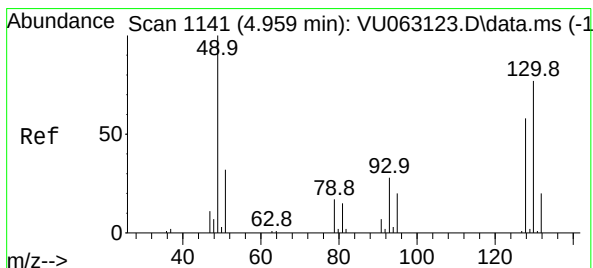
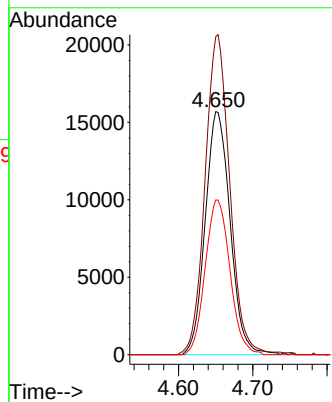
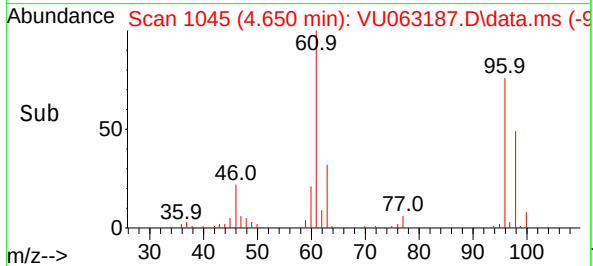
#22
 cis-1,2-Dichloroethene
 Concen: 5.460 ug/L
 RT: 4.650 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU063187.D
 Acq: 06 Feb 2025 11:03

Instrument :
 MSVOA_U
 ClientSampleId :

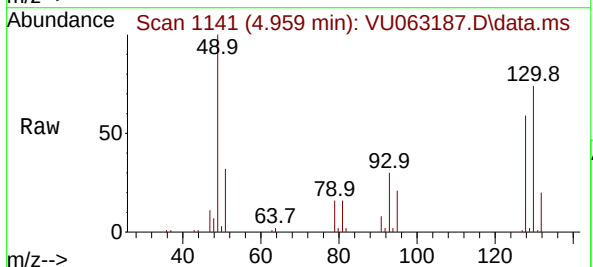


Tgt Ion: 96 Resp: 36664

Ion	Ratio	Lower	Upper
96	100		
61	130.8	91.8	170.6
98	63.7	44.4	82.4

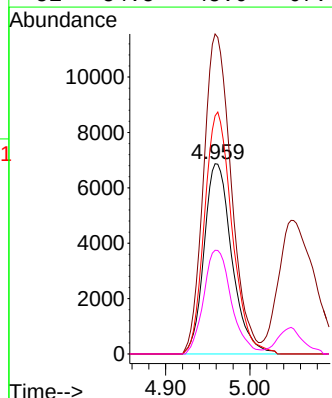
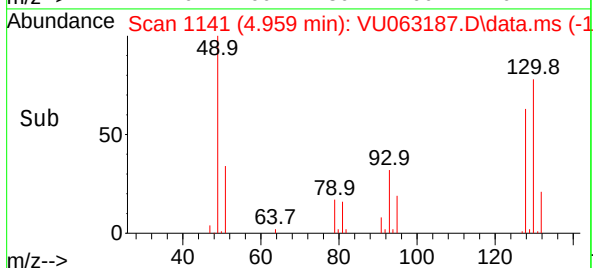


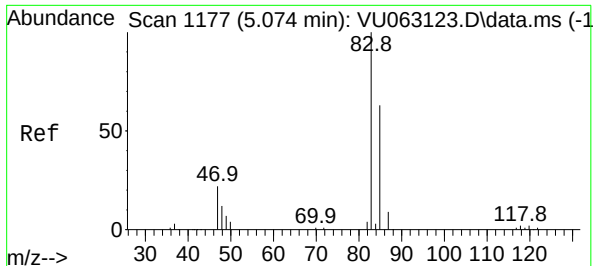
#23
 Bromochloromethane
 Concen: 5.226 ug/L
 RT: 4.959 min Scan# 1141
 Delta R.T. -0.003 min
 Lab File: VU063187.D
 Acq: 06 Feb 2025 11:03



Tgt Ion: 128 Resp: 15743

Ion	Ratio	Lower	Upper
128	100		
49	168.2	121.2	225.2
130	125.1	89.2	165.6
51	54.5	45.0	67.4





#25

Chloroform

Concen: 5.383 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.003 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

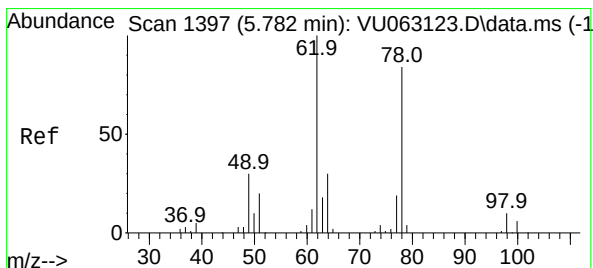
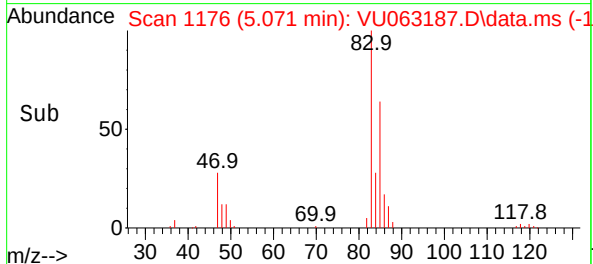
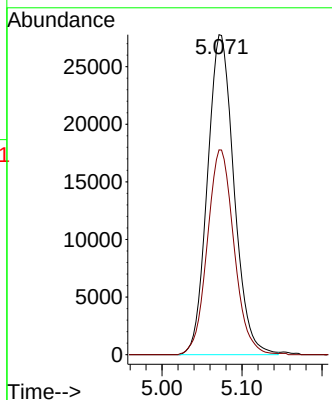
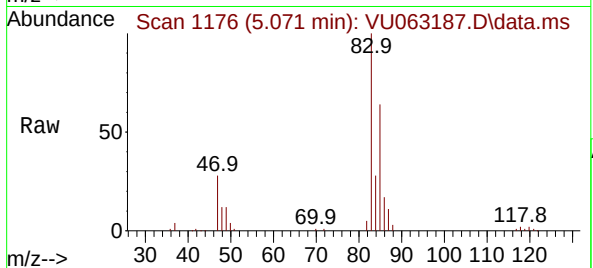
ClientSampleId :

Tgt Ion: 83 Resp: 64113

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.055 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063187.D

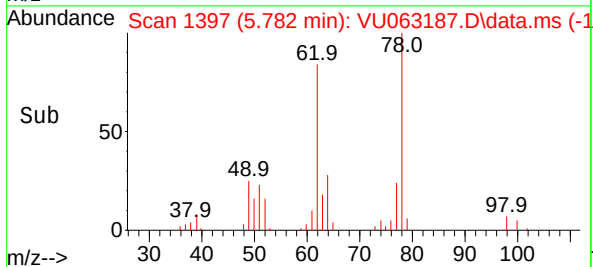
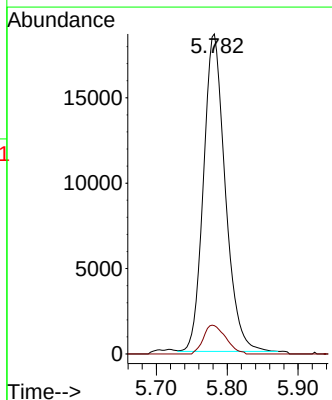
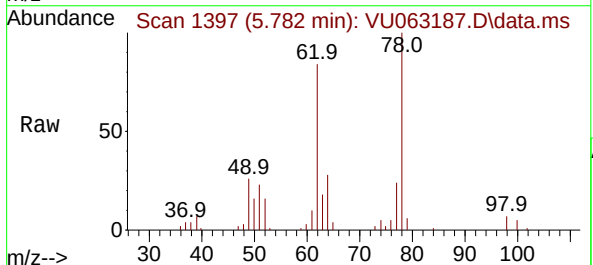
Acq: 06 Feb 2025 11:03

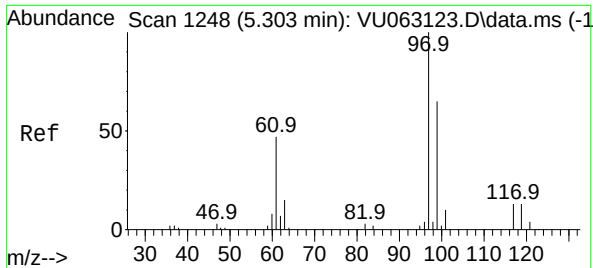
Tgt Ion: 62 Resp: 39670

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8

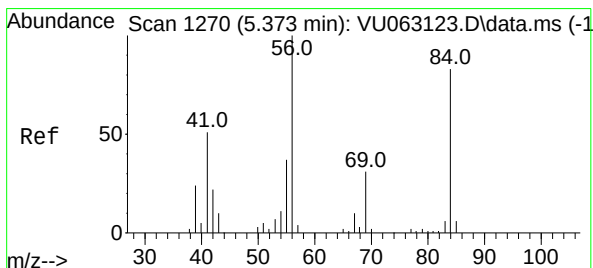
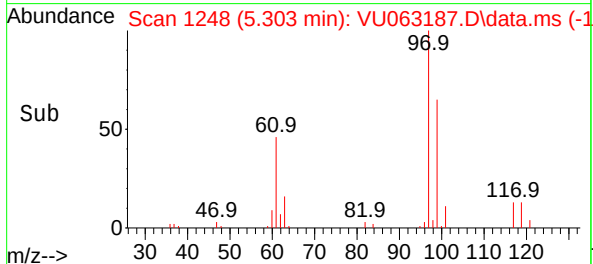
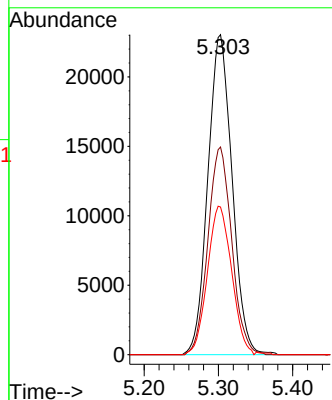
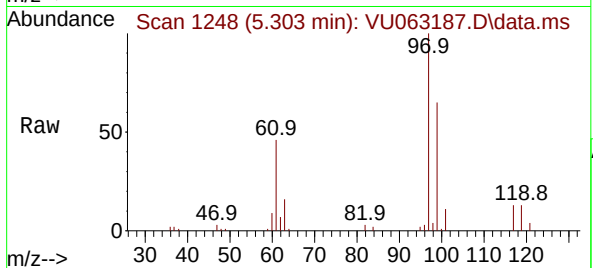




#29
1,1,1-Trichloroethane
Concen: 5.359 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

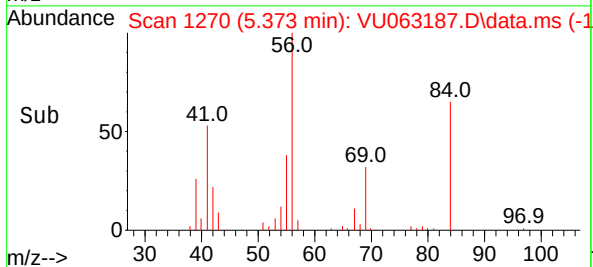
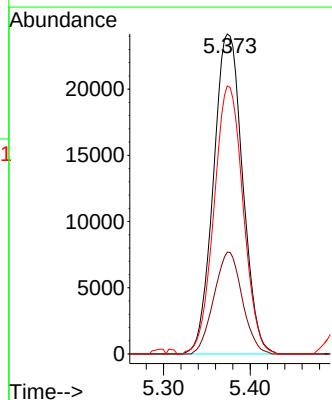
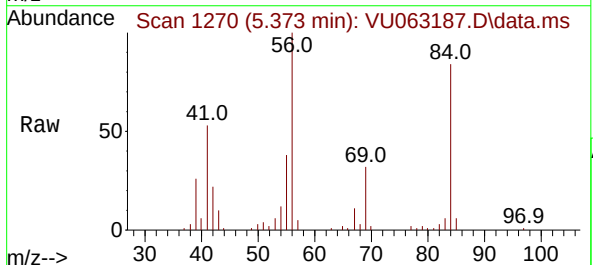
Instrument :
MSVOA_U
ClientSampleId :

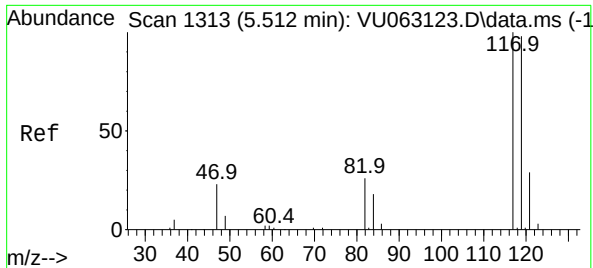
Tgt Ion: 97 Resp: 52257
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 46.3 38.5 57.7



#30
Cyclohexane
Concen: 5.476 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion: 56 Resp: 56520
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 83.5 67.9 101.9

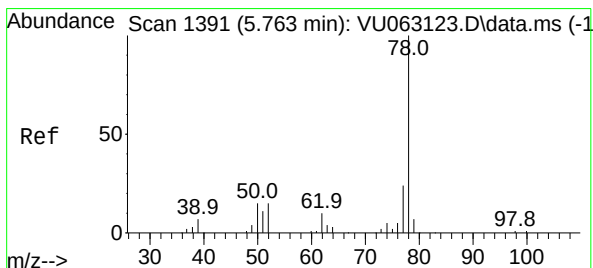
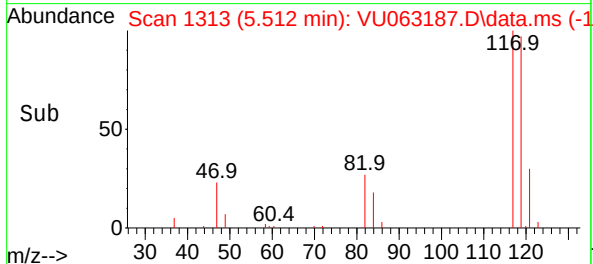
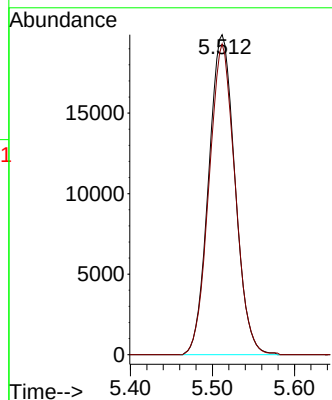
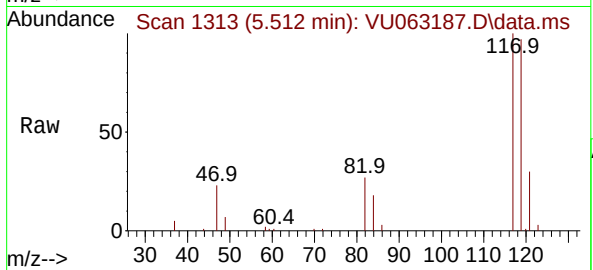




#31
Carbon tetrachloride
Concen: 5.378 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

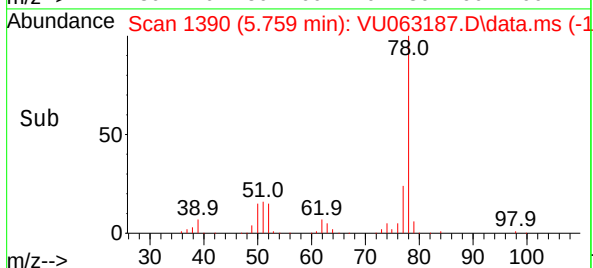
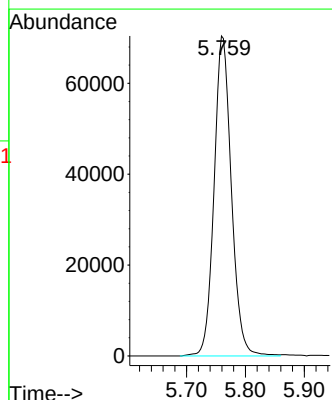
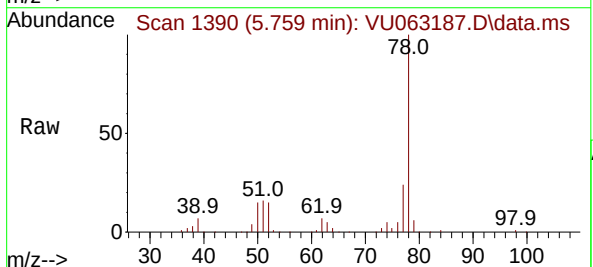
Instrument :
MSVOA_U
ClientSampleId :

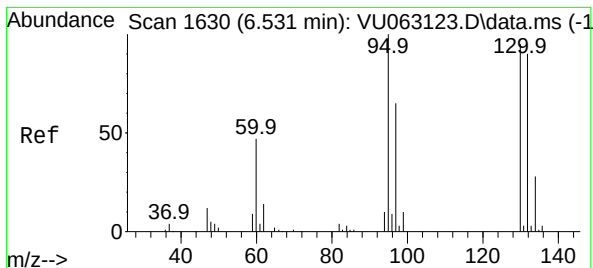
Tgt Ion:117 Resp: 44250
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4



#33
Benzene
Concen: 5.312 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion: 78 Resp: 144012





#34

Trichloroethene

Concen: 5.343 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 36791

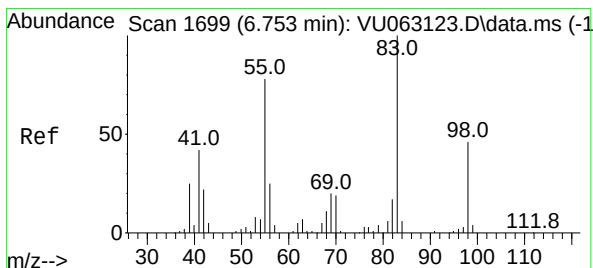
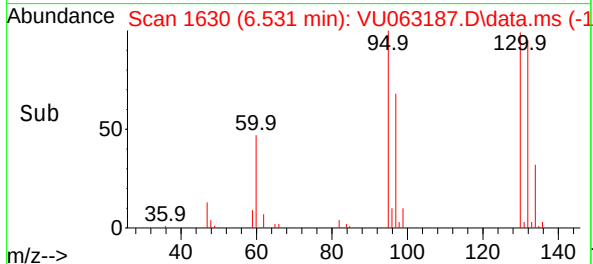
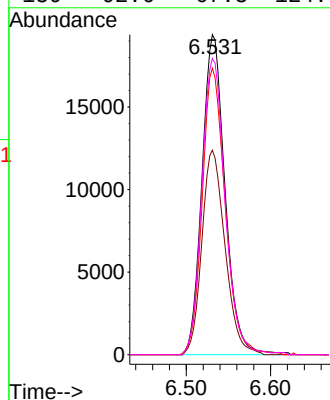
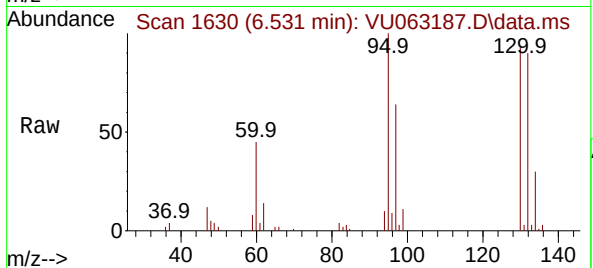
Ion Ratio Lower Upper

95 100

97 63.9 46.7 86.7

132 89.5 62.4 115.8

130 92.6 67.3 124.9



#35

Methylcyclohexane

Concen: 5.599 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

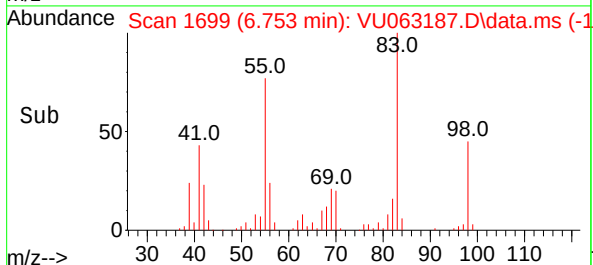
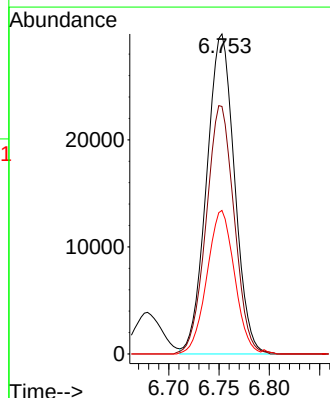
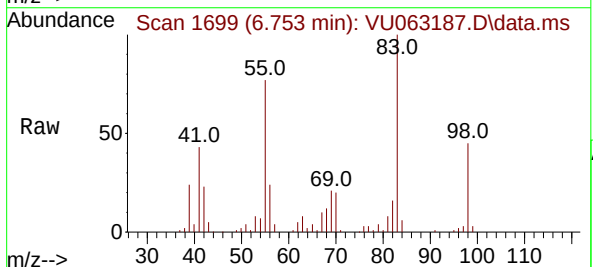
Tgt Ion: 83 Resp: 57770

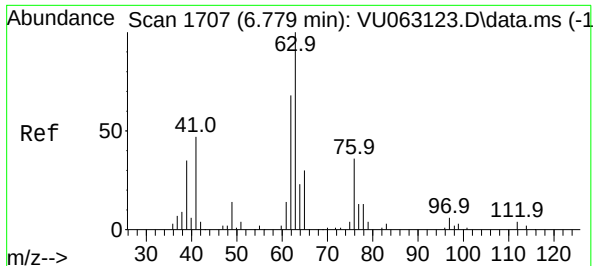
Ion Ratio Lower Upper

83 100

55 77.7 62.8 94.2

98 44.2 36.0 54.0





#37

1,2-Dichloropropane

Concen: 5.315 ug/L

RT: 6.779 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

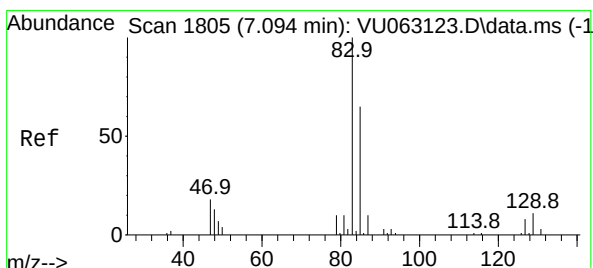
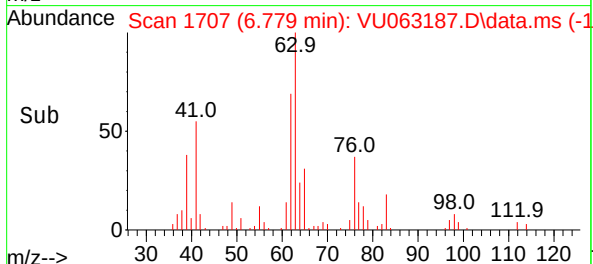
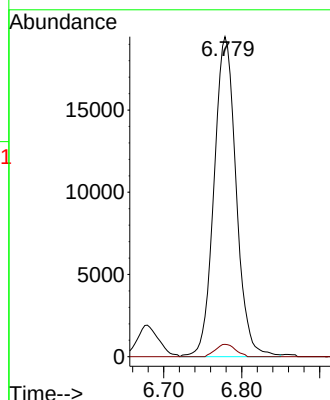
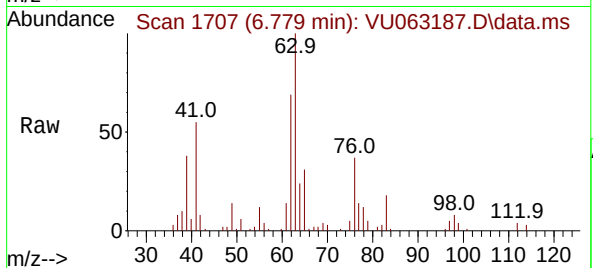
ClientSampleId :

Tgt Ion: 63 Resp: 38435

Ion Ratio Lower Upper

63 100

112 3.5 2.6 4.0



#38

Bromodichloromethane

Concen: 5.170 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

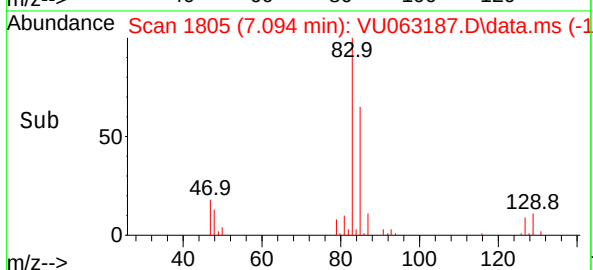
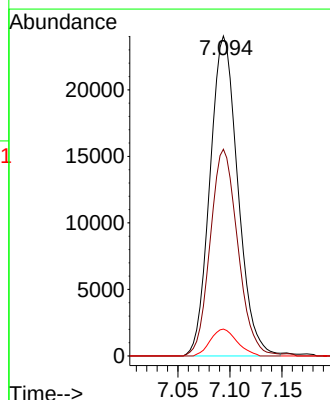
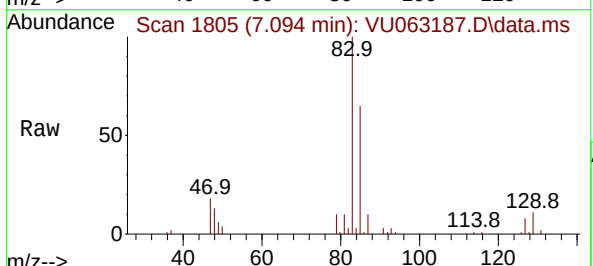
Tgt Ion: 83 Resp: 44891

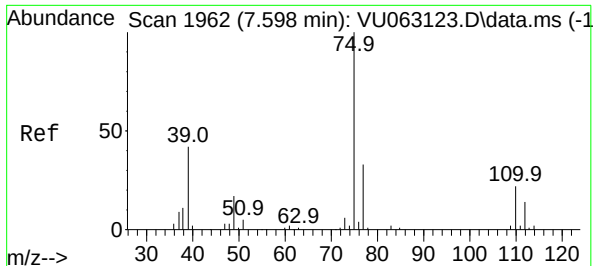
Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.8

127 8.4 6.3 9.5

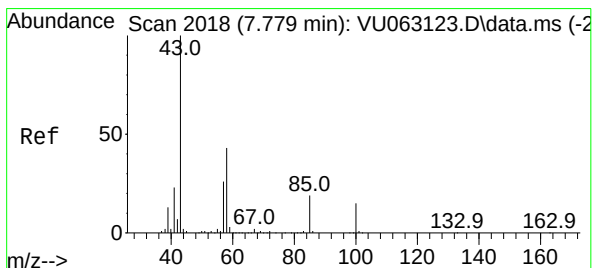
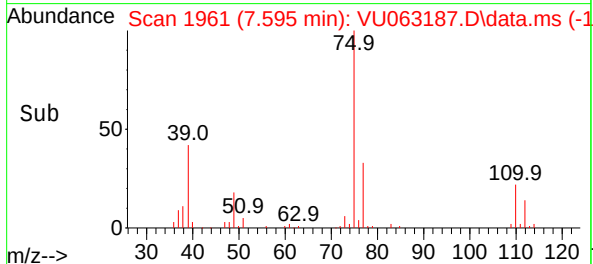
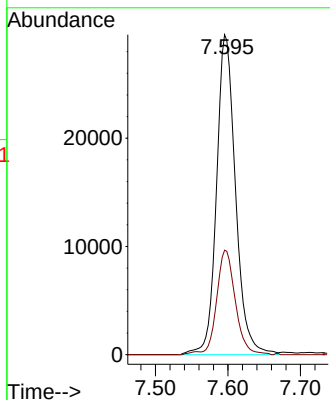
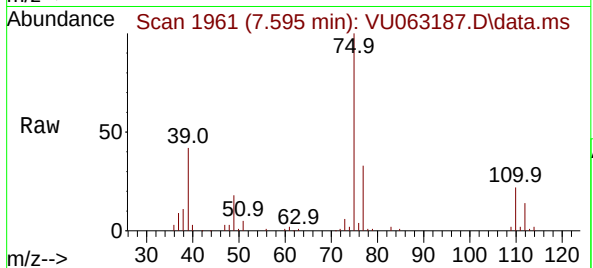




#39
 cis-1,3-Dichloropropene
 Concen: 5.228 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.003 min
 Lab File: VU063187.D
 Acq: 06 Feb 2025 11:03

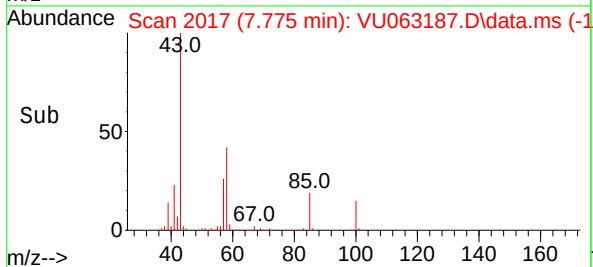
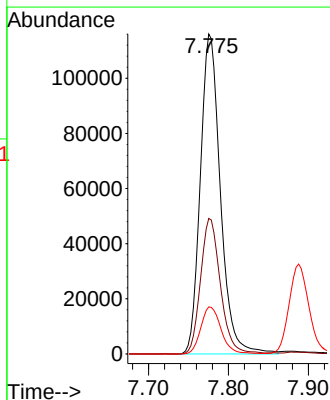
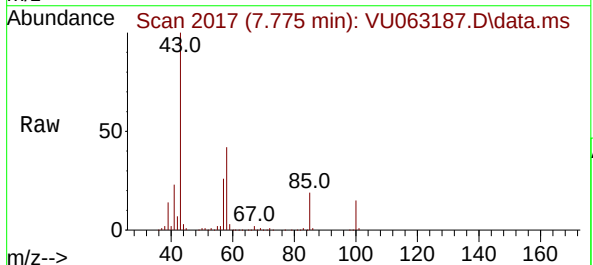
Instrument :
 MSVOA_U
 ClientSampleId :

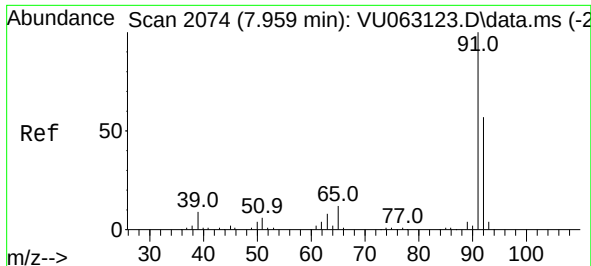
Tgt Ion: 75 Resp: 53908
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 47.584 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU063187.D
 Acq: 06 Feb 2025 11:03

Tgt Ion: 43 Resp: 203098
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.7 50.5
 100 14.9 12.1 18.1

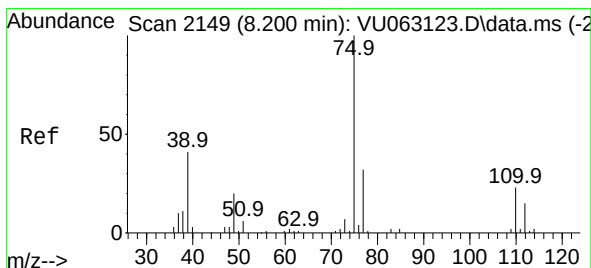
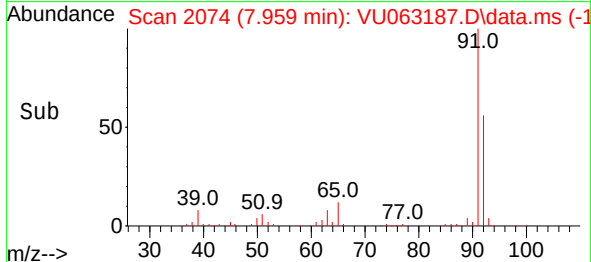
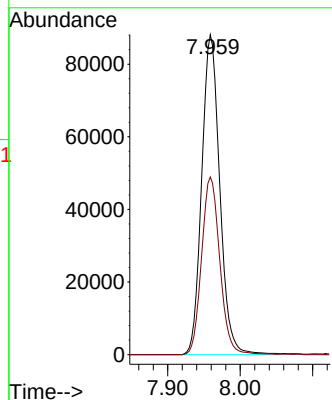
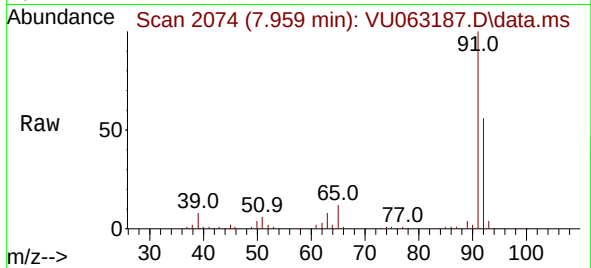




#42
Toluene
Concen: 5.385 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

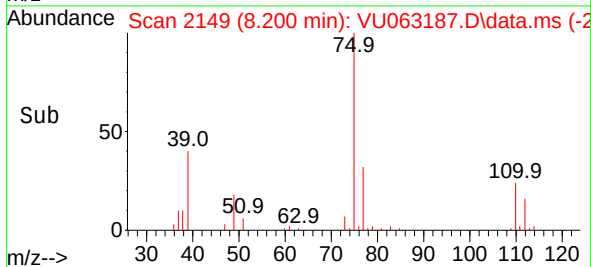
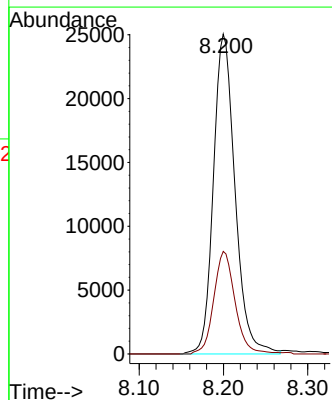
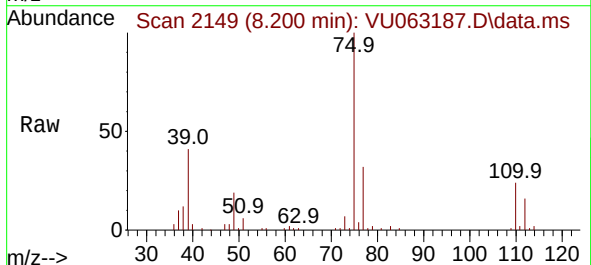
Instrument :
MSVOA_U
ClientSampleId :

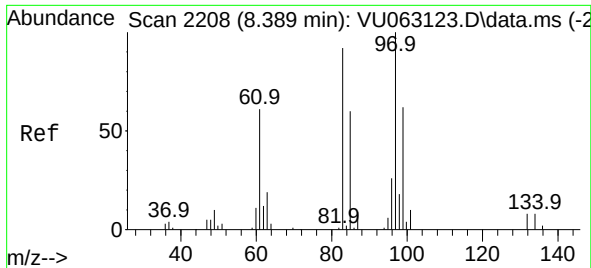
Tgt Ion: 91 Resp: 152603
Ion Ratio Lower Upper
91 100
92 55.6 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 5.171 ug/L
RT: 8.200 min Scan# 2149
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion: 75 Resp: 44637
Ion Ratio Lower Upper
75 100
77 32.0 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.030 ug/L

RT: 8.389 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 26861

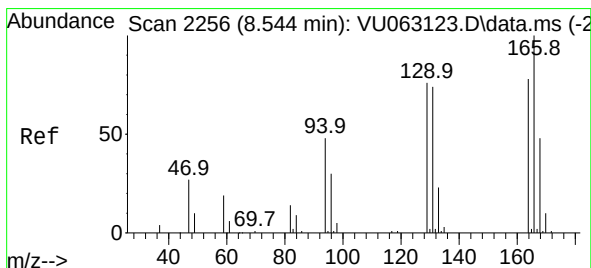
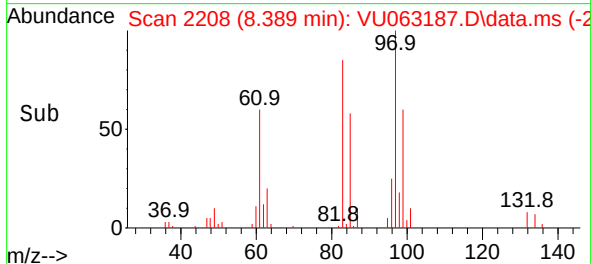
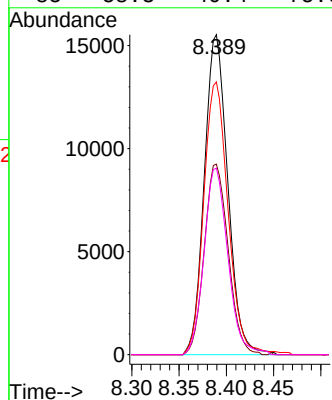
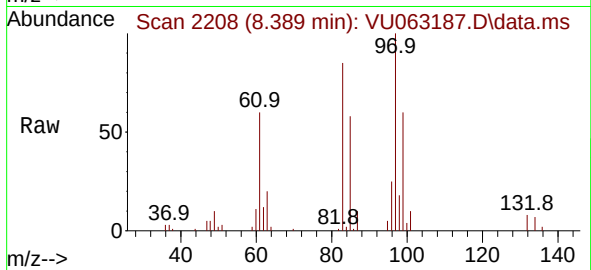
Ion Ratio Lower Upper

97 100

99 59.6 42.2 78.4

83 85.3 62.9 116.9

85 58.3 40.4 75.0



#47

Tetrachloroethene

Concen: 5.456 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Tgt Ion:164 Resp: 26386

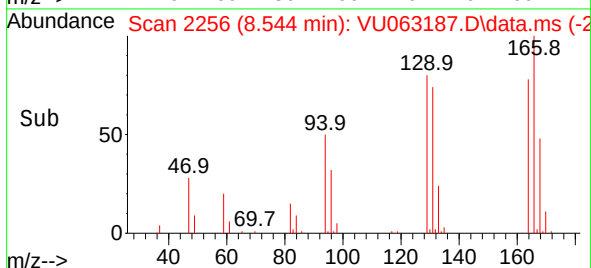
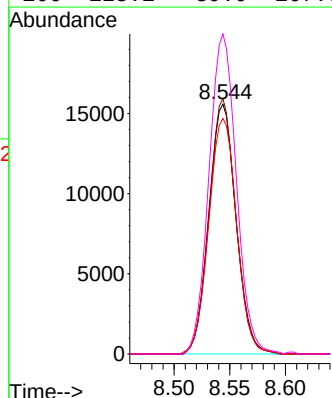
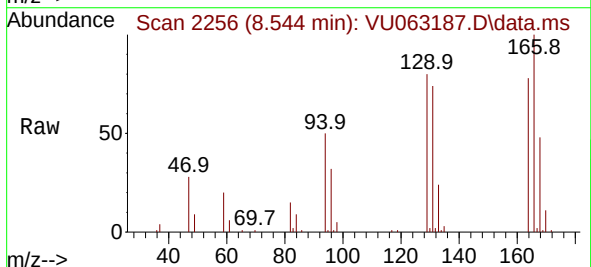
Ion Ratio Lower Upper

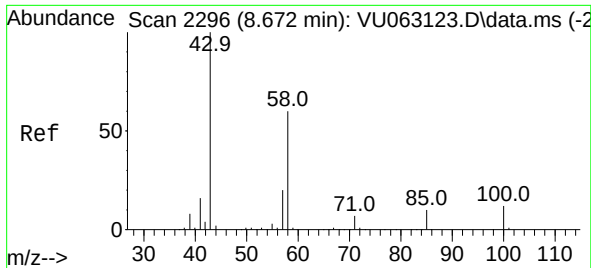
164 100

129 102.4 68.6 127.4

131 94.3 66.5 123.5

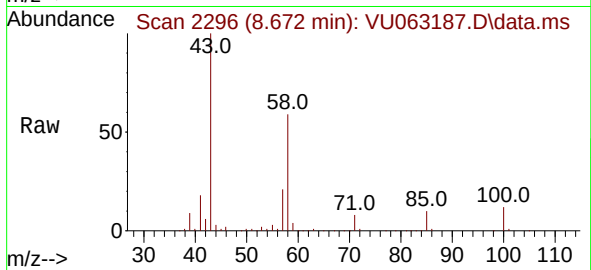
166 128.1 89.9 167.0



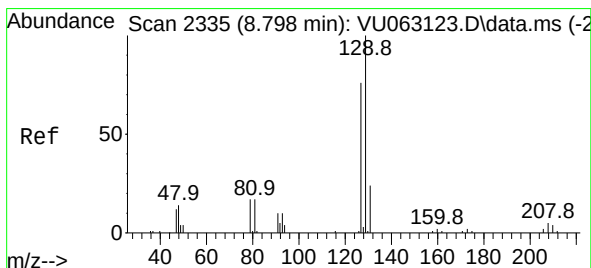
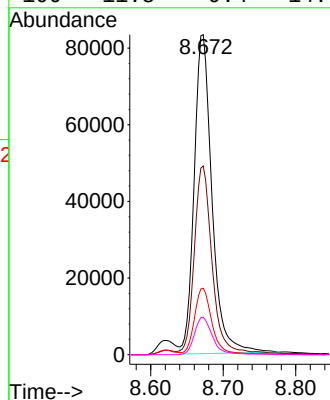
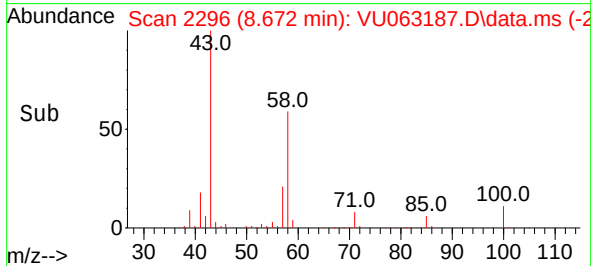


#48
2-Hexanone
Concen: 47.309 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Instrument :
MSVOA_U
ClientSampleId :

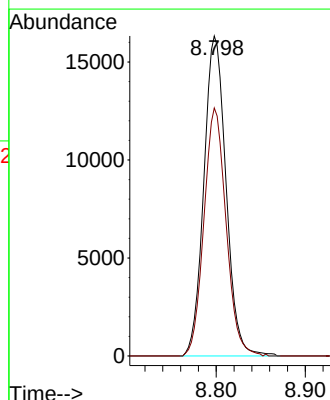
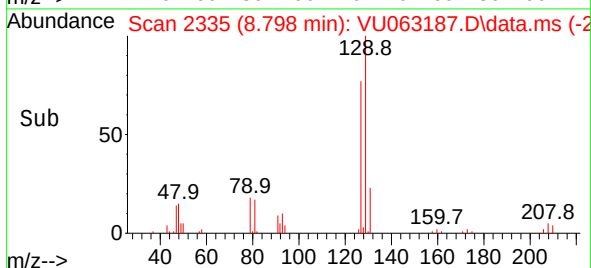
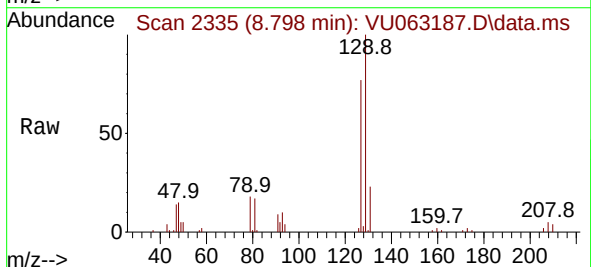


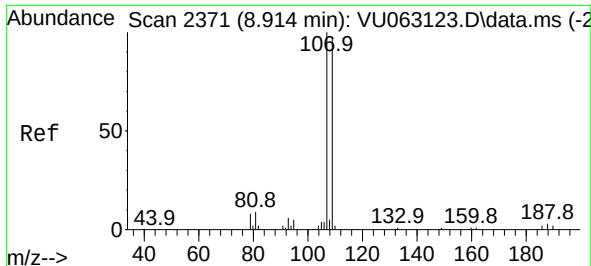
Tgt Ion: 43 Resp: 142454
Ion Ratio Lower Upper
43 100
58 57.0 45.8 68.8
57 20.1 15.7 23.5
100 11.8 9.4 14.0



#49
Dibromochloromethane
Concen: 5.019 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion:129 Resp: 28212
Ion Ratio Lower Upper
129 100
127 77.5 53.8 99.8





#50

1,2-Dibromoethane

Concen: 5.059 ug/L

RT: 8.914 min Scan# 2371

Delta R.T. 0.000 min

Lab File: VU063187.D

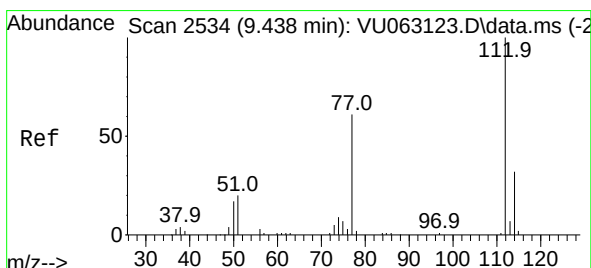
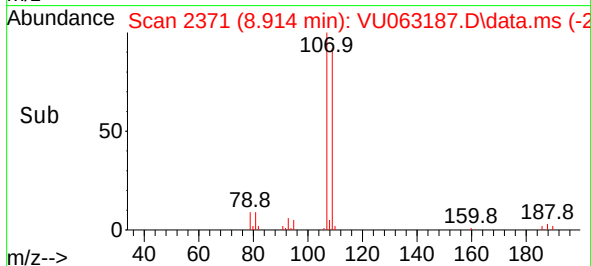
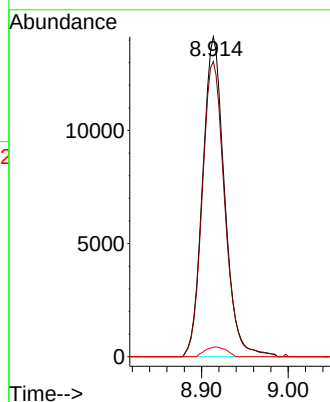
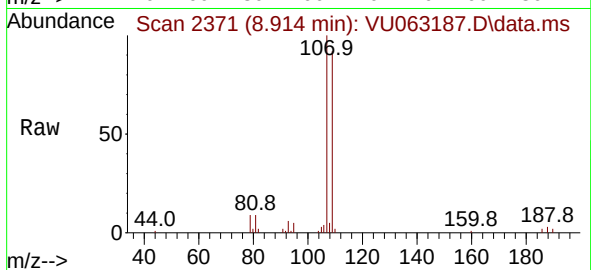
Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	24782
Ion Ratio	Lower	Upper
107	100	
109	92.2	67.6 125.6
188	2.9	2.6 3.8



#51

Chlorobenzene

Concen: 5.339 ug/L

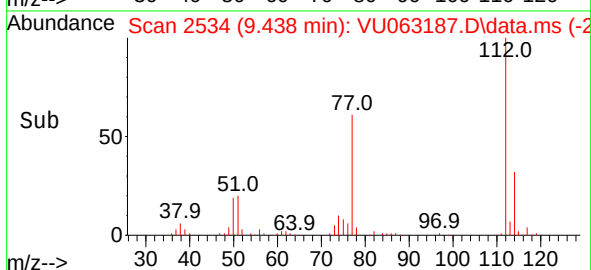
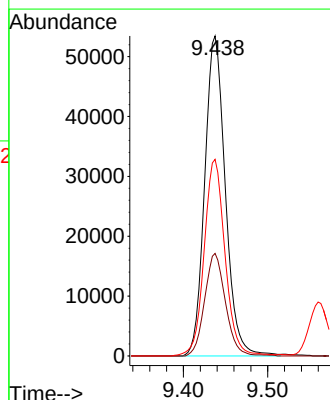
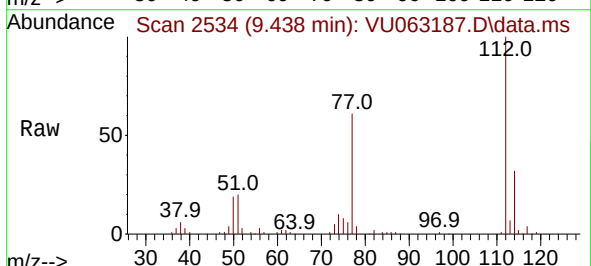
RT: 9.438 min Scan# 2534

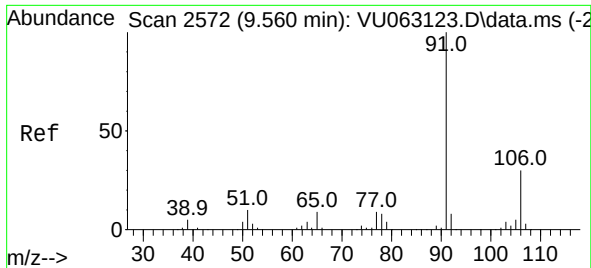
Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Tgt Ion:112	Resp:	91326
Ion Ratio	Lower	Upper
112	100	
114	32.0	22.6 42.0
77	61.5	50.8 76.2

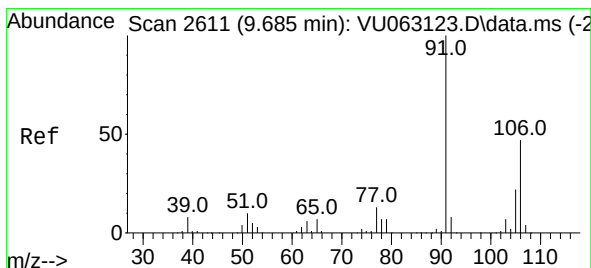
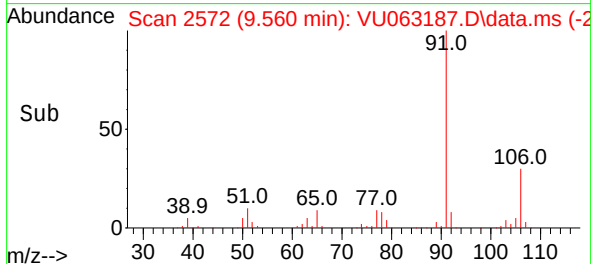
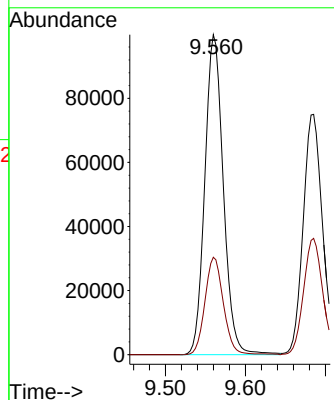
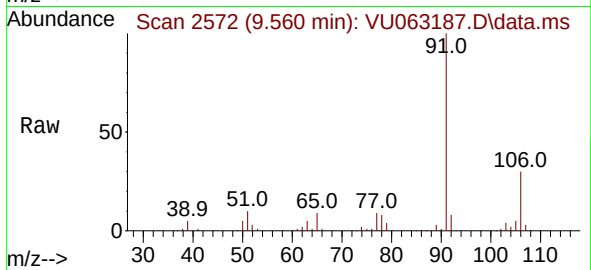




#52
Ethylbenzene
Concen: 5.430 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

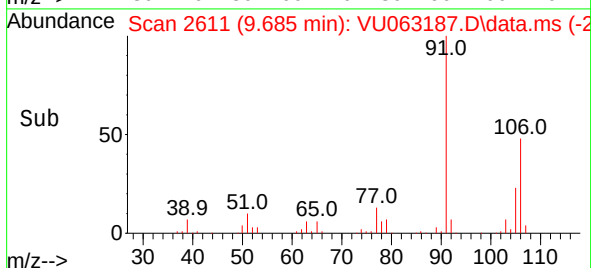
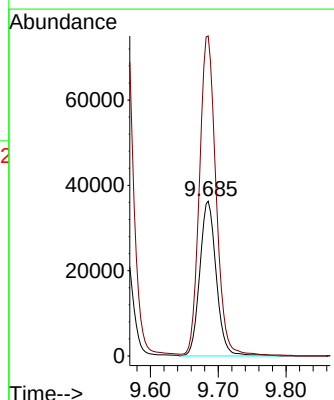
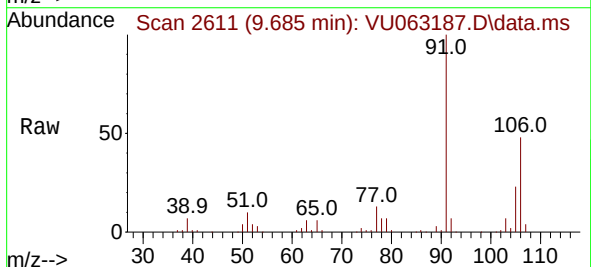
Instrument :
MSVOA_U
ClientSampleId :

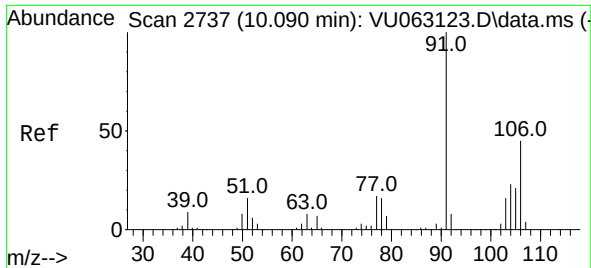
Tgt Ion: 91 Resp: 160958
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 5.736 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion: 106 Resp: 61335
Ion Ratio Lower Upper
106 100
91 206.8 147.3 273.6

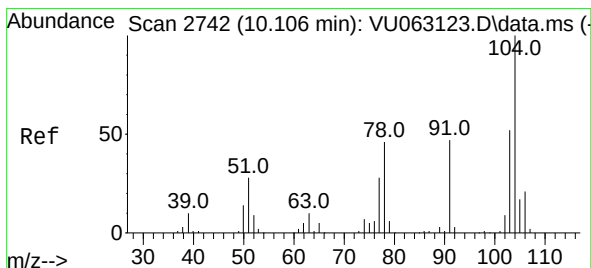
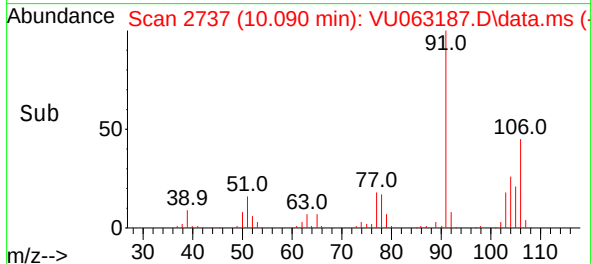
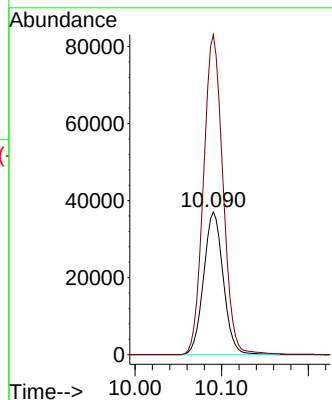
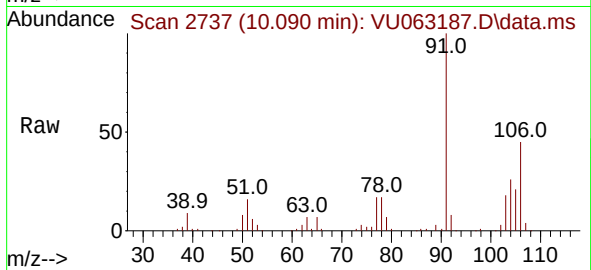




#54
o-Xylene
Concen: 5.503 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

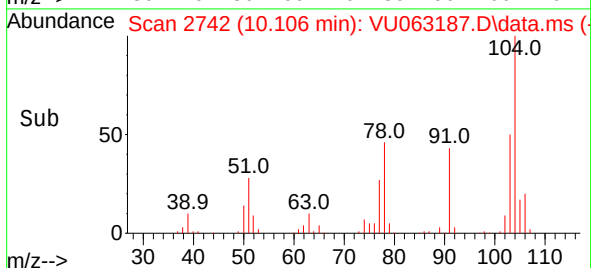
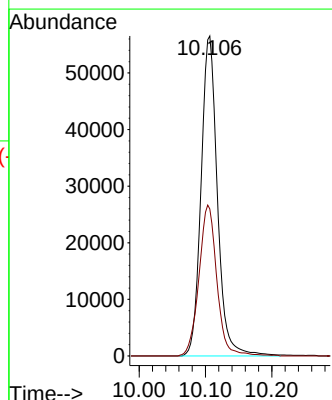
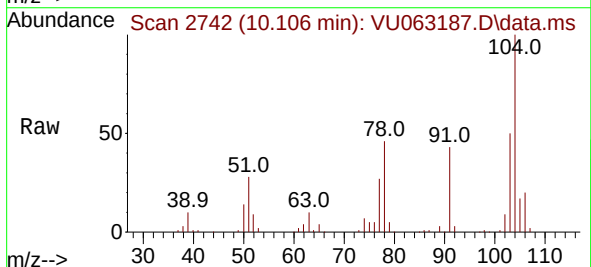
Instrument :
MSVOA_U
ClientSampleId :

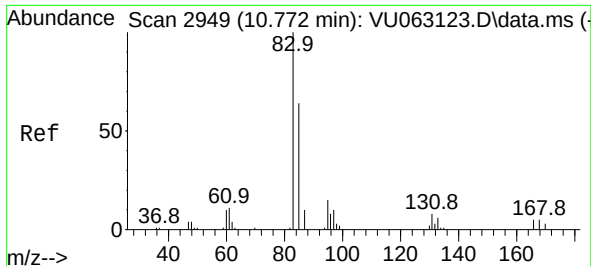
Tgt Ion:106 Resp: 58345
Ion Ratio Lower Upper
106 100
91 224.2 155.4 288.6



#55
Styrene
Concen: 5.555 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion:104 Resp: 96941
Ion Ratio Lower Upper
104 100
78 46.0 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.817 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :

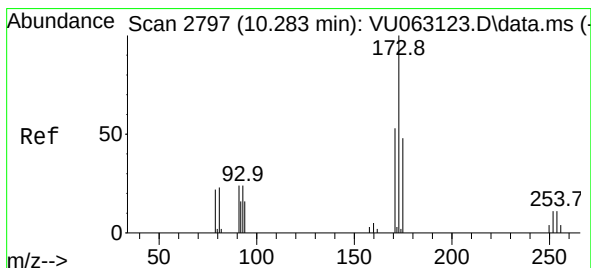
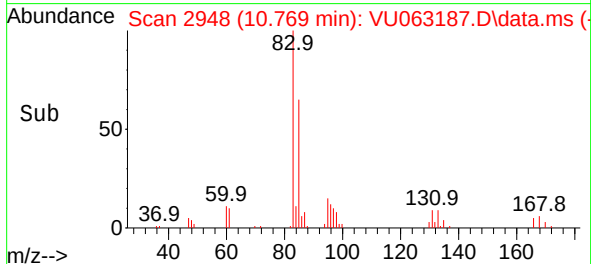
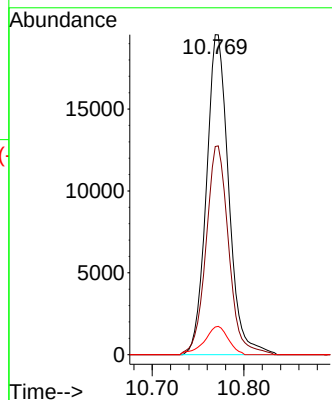
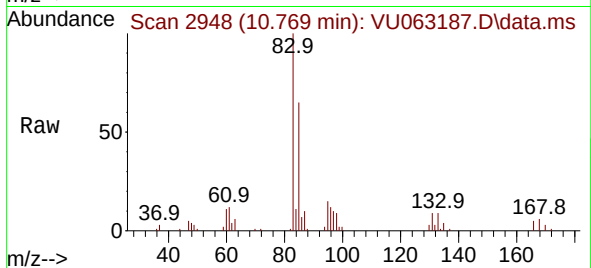
Tgt Ion: 83 Resp: 33022

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8

131 8.7 7.4 11.0



#59

Bromoform

Concen: 4.978 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

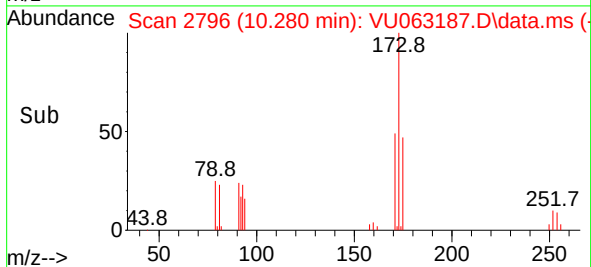
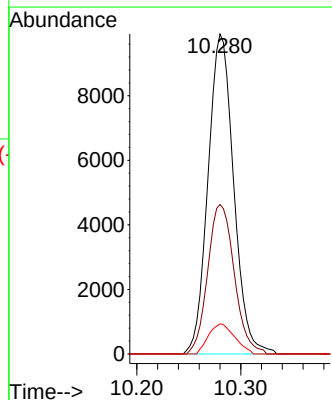
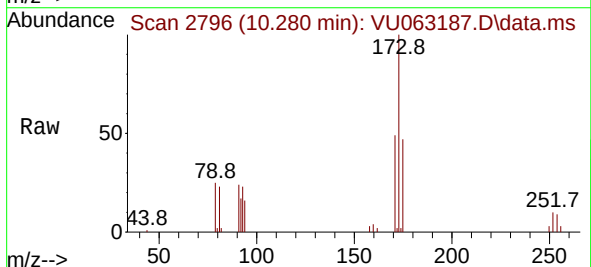
Tgt Ion:173 Resp: 16976

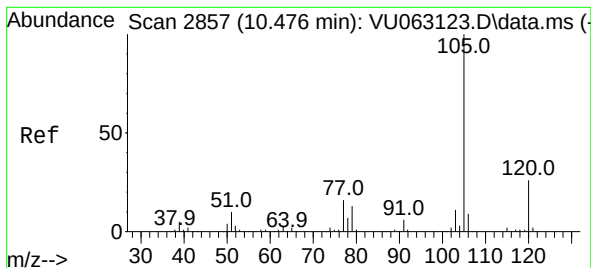
Ion Ratio Lower Upper

173 100

175 48.4 37.7 56.5

254 9.6 7.9 11.9





#60

Isopropylbenzene

Concen: 5.588 ug/L

RT: 10.473 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :

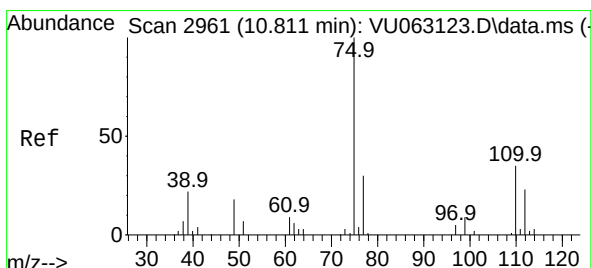
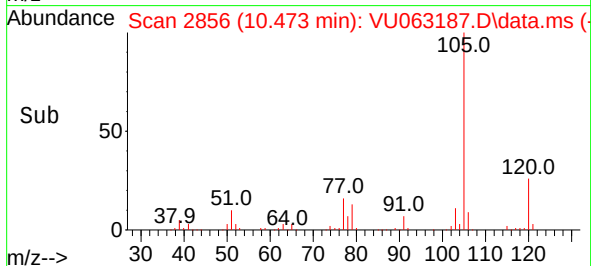
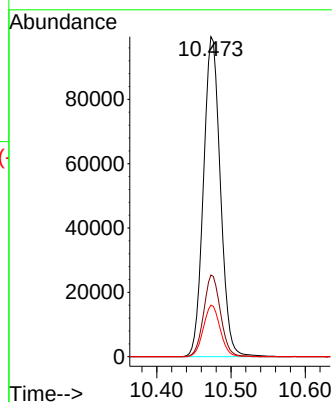
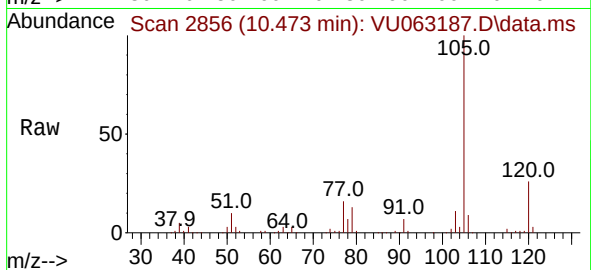
Tgt Ion:105 Resp: 156967

Ion Ratio Lower Upper

105 100

120 25.5 20.8 31.2

77 16.0 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 4.797 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

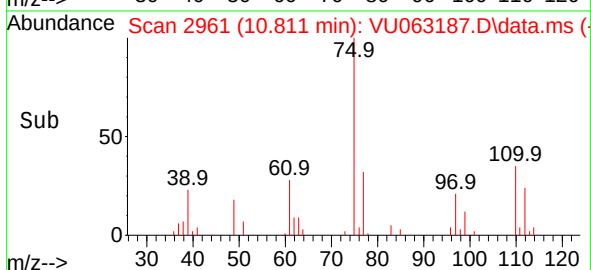
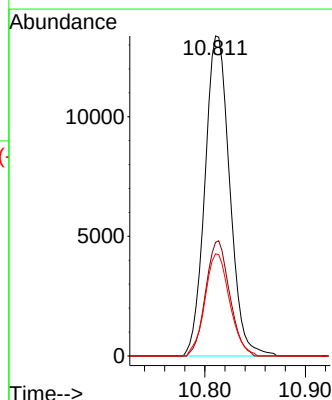
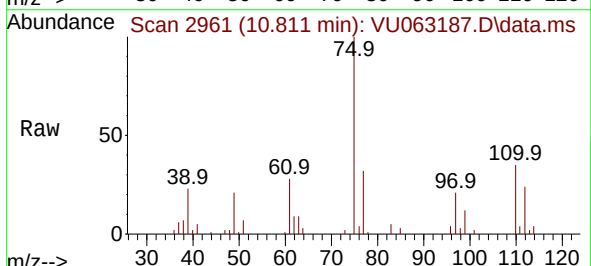
Tgt Ion: 75 Resp: 22900

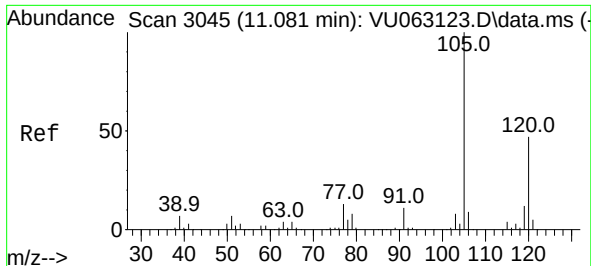
Ion Ratio Lower Upper

75 100

110 34.7 27.4 41.0

77 31.9 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.697 ug/L

RT: 11.077 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

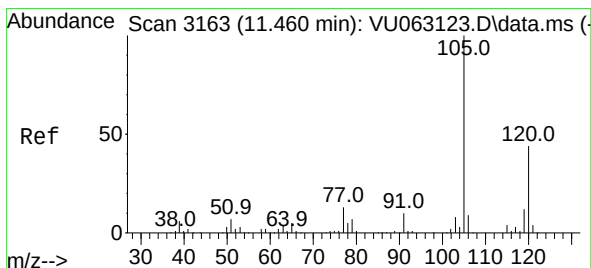
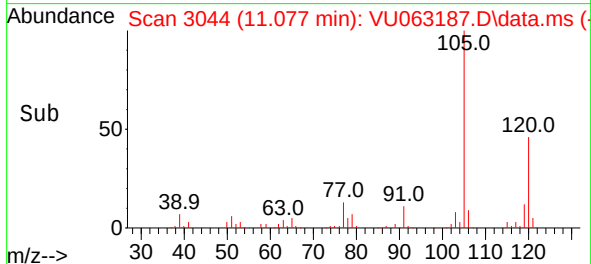
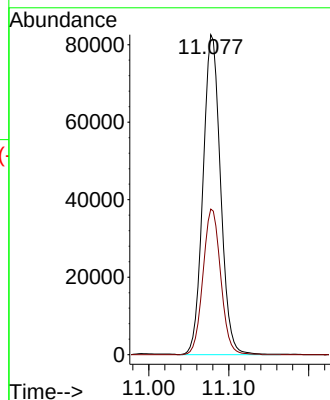
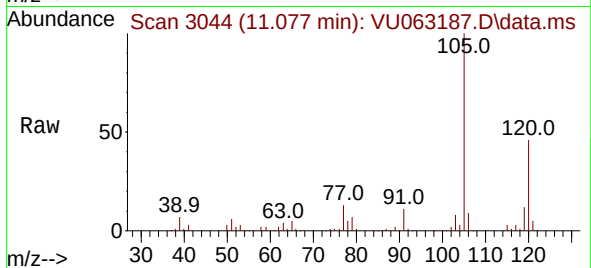
ClientSampleId :

Tgt Ion:105 Resp: 126232

Ion Ratio Lower Upper

105 100

120 46.0 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.769 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063187.D

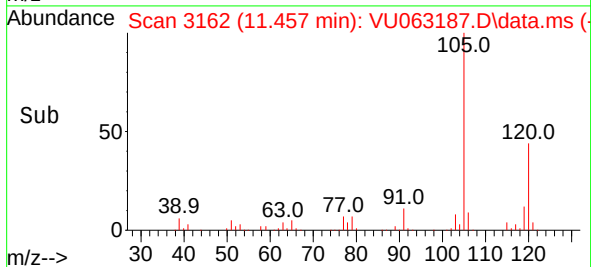
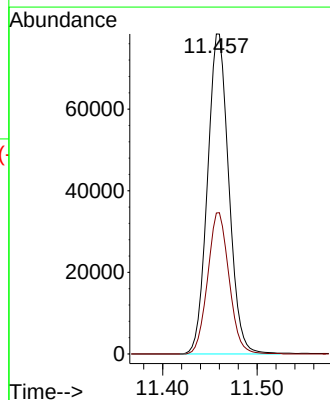
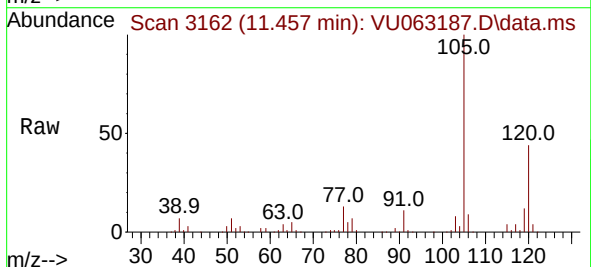
Acq: 06 Feb 2025 11:03

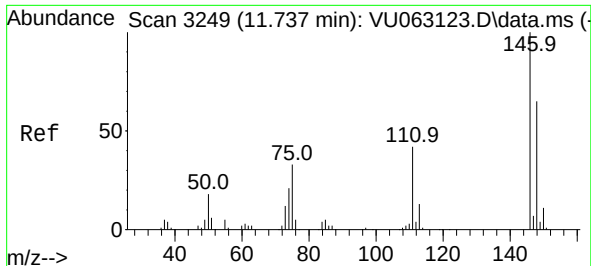
Tgt Ion:105 Resp: 122909

Ion Ratio Lower Upper

105 100

120 44.3 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 5.434 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :

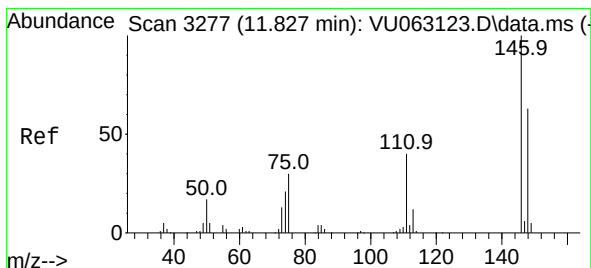
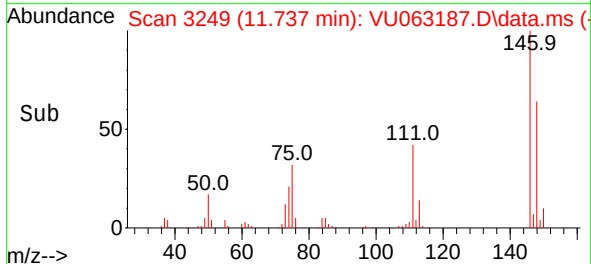
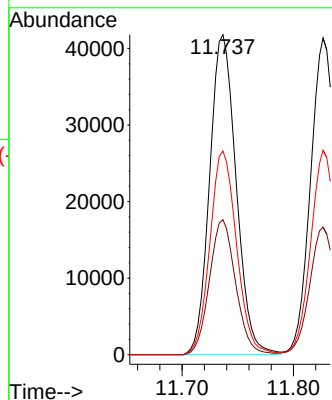
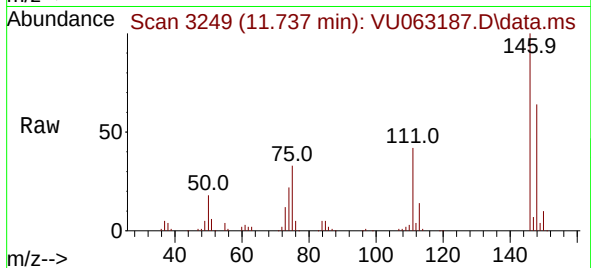
Tgt Ion:146 Resp: 69157

Ion Ratio Lower Upper

146 100

111 42.2 27.9 51.7

148 63.7 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 5.336 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

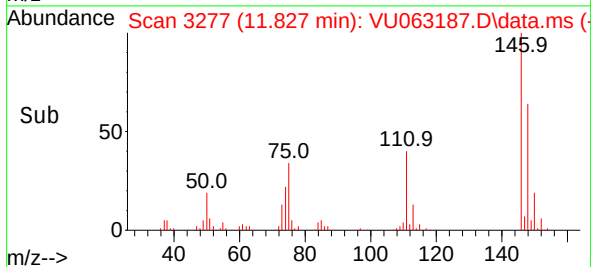
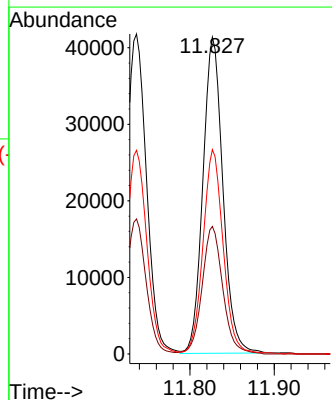
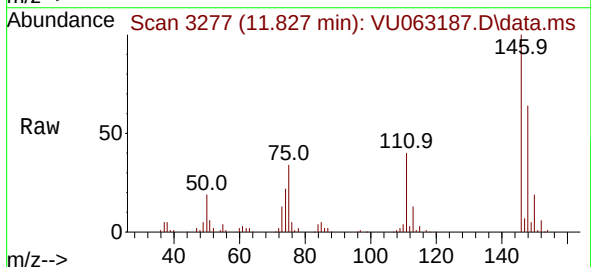
Tgt Ion:146 Resp: 68278

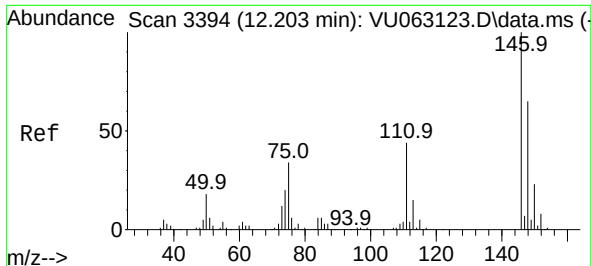
Ion Ratio Lower Upper

146 100

111 40.3 28.5 52.9

148 64.5 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.474 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :

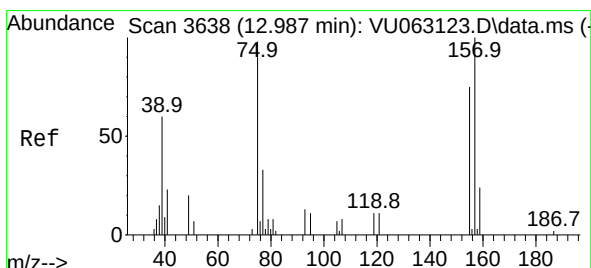
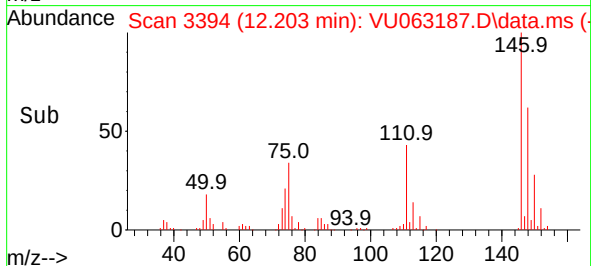
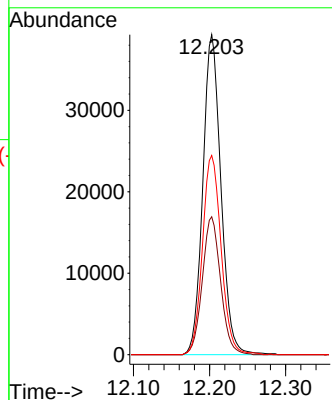
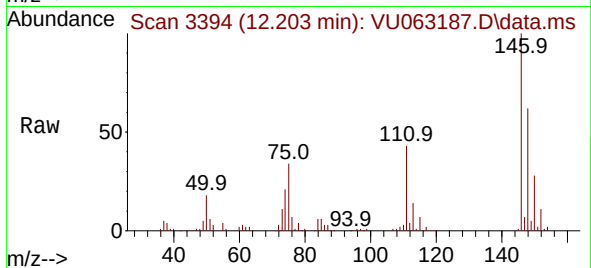
Tgt Ion:146 Resp: 65103

Ion Ratio Lower Upper

146 100

111 43.1 34.1 51.1

148 62.2 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.782 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.003 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

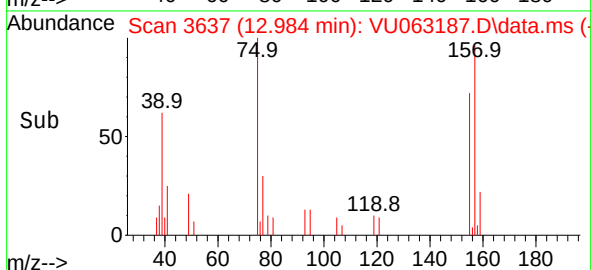
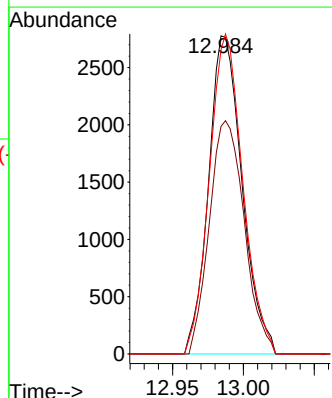
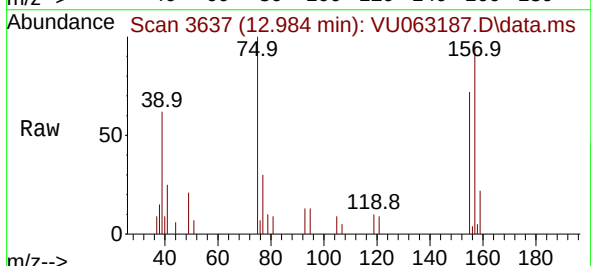
Tgt Ion: 75 Resp: 4567

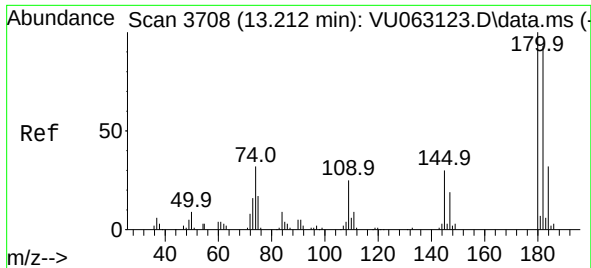
Ion Ratio Lower Upper

75 100

155 71.6 61.6 92.4

157 95.6 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 5.639 ug/L

RT: 13.209 min Scan# 31

Delta R.T. 0.000 min

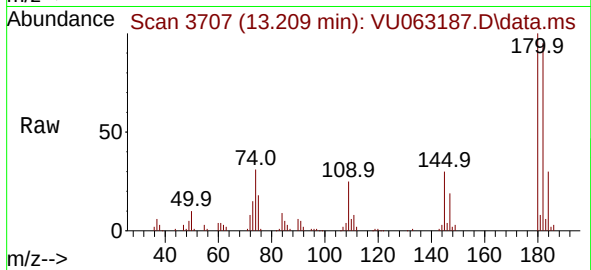
Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 49037

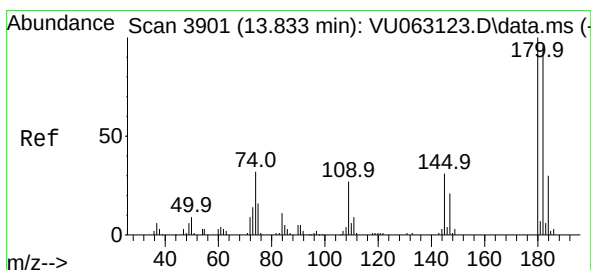
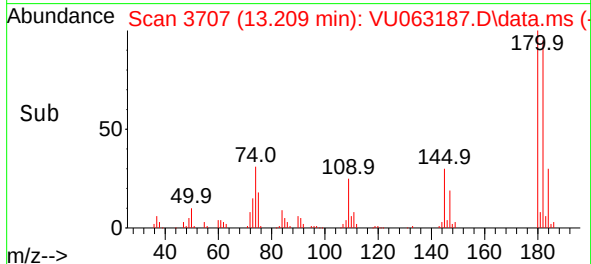
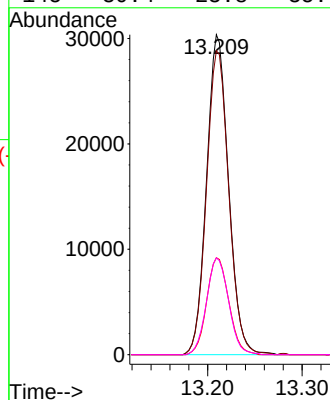
Ion Ratio Lower Upper

180 100

182 96.2 76.7 115.1

184 30.5 23.8 35.8

145 30.4 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 5.429 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063187.D

Acq: 06 Feb 2025 11:03

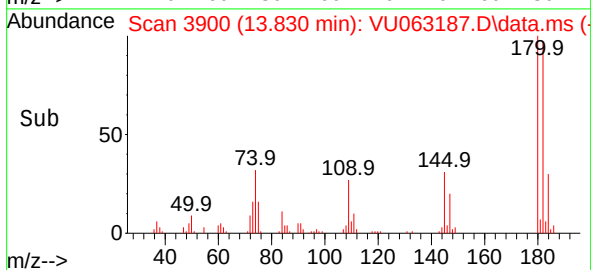
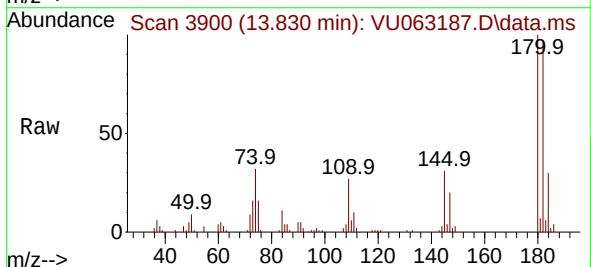
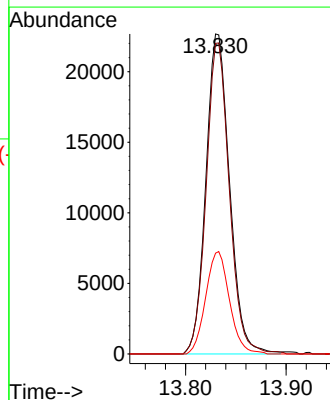
Tgt Ion:180 Resp: 37143

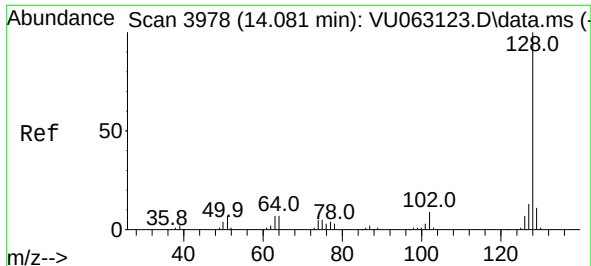
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

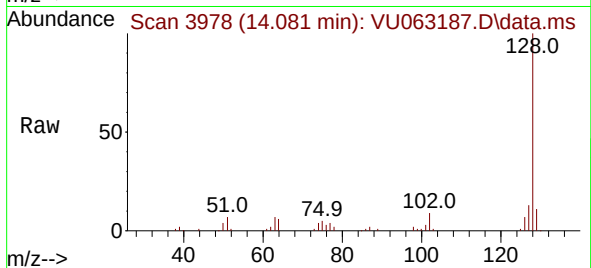
145 32.0 24.3 36.5



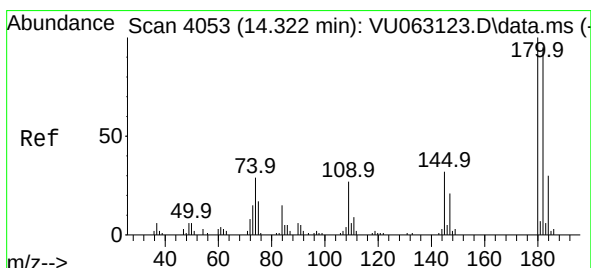
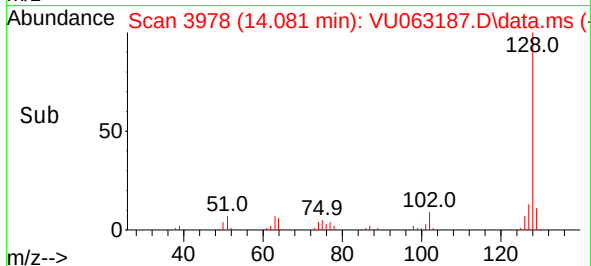
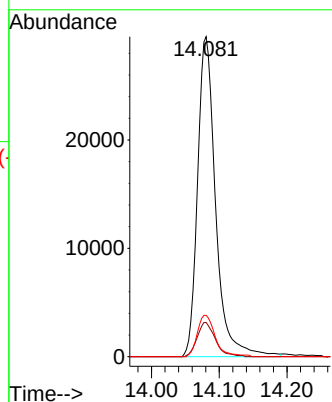


#71
Naphthalene
Concen: 4.875 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 54732
Ion Ratio Lower Upper
128 100
129 10.8 8.0 12.0
127 12.7 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.324 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU063187.D
Acq: 06 Feb 2025 11:03

Tgt Ion:180 Resp: 32543
Ion Ratio Lower Upper
180 100
182 97.5 78.5 117.7
145 32.2 26.1 39.1

