

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
 Data File : VU056204.D
 Acq On : 11 Nov 2023 09:26
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 20:17:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 00:40:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	446791	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	430717	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	216970	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	99897	3.602	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.000%
7) Chloroethane-d5	1.911	69	76476	4.064	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.564	65	47877	3.919	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.628	46	219729	48.296	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.600%
24) Chloroform-d	5.056	84	227401	4.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.695	65	96882	4.168	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
32) Benzene-d6	5.724	84	443333	4.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.686	67	129844	4.264	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.200%
41) Toluene-d8	7.895	98	409613	4.321	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.174	79	47411	4.073	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.400%
46) 2-Hexanone-d5	8.634	63	204580	53.624	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.240%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	101625	4.676	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	138867	4.150	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	160555	4.237	ug/L	100
3) Chloromethane	1.515	50	156184	4.400	ug/L	97
5) Vinyl chloride	1.602	62	157647	4.293	ug/L	96
6) Bromomethane	1.856	94	88655	4.203	ug/L	99
8) Chloroethane	1.930	64	82059	4.122	ug/L	99
9) Trichlorofluoromethane	2.133	101	214299	4.412	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.577	101	138804	4.486	ug/L	98
12) 1,1-Dichloroethene	2.577	96	129395	4.506	ug/L	96
13) Acetone	2.638	43	147636	44.001	ug/L	99
14) Carbon disulfide	2.789	76	402413	4.112	ug/L	99
15) Methyl Acetate	2.953	43	40418	4.269	ug/L	99
16) Methylene chloride	3.040	84	141130	4.286	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	274908	4.249	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	132261	4.346	ug/L	99
19) 1,1-Dichloroethane	3.863	63	244966	4.413	ug/L	97
21) 2-Butanone	4.708	43	256445	46.344	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	145706	4.436	ug/L	98
23) Bromochloromethane	4.969	128	63349	4.346	ug/L	96
25) Chloroform	5.081	83	258299	4.367	ug/L	98

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 ALS Vial : 1 Sample Multiplier: 1

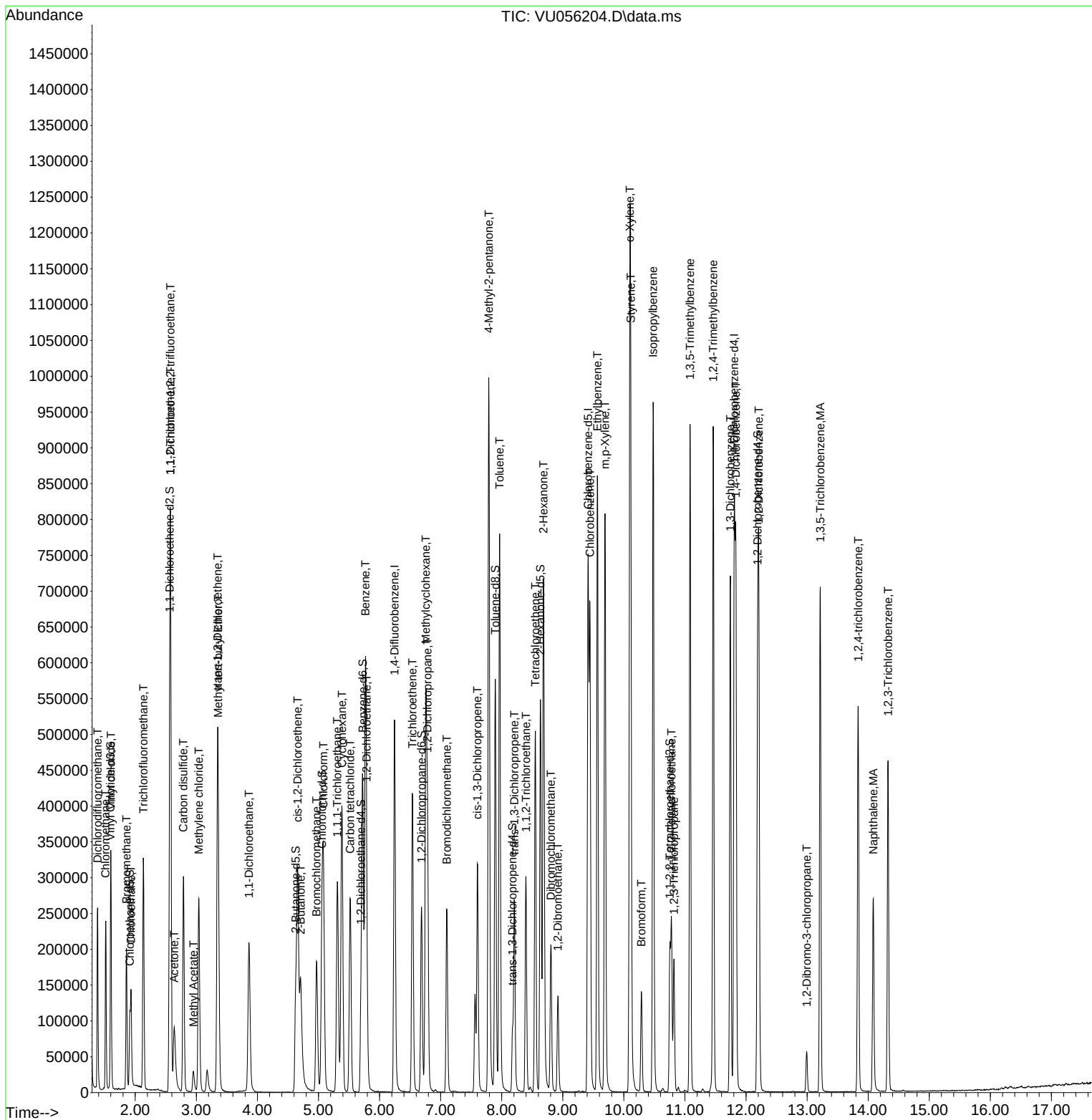
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 ClientSampleId :

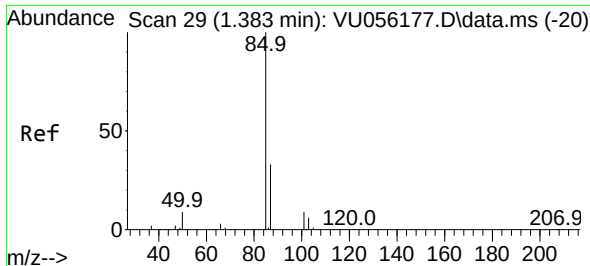
Quant Time: Nov 11 20:17:04 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.789	62	143261	4.279	ug/L	97
29) 1,1,1-Trichloroethane	5.310	97	220589	4.470	ug/L	99
30) Cyclohexane	5.387	56	204756	4.441	ug/L	99
31) Carbon tetrachloride	5.519	117	194199	4.432	ug/L	99
33) Benzene	5.769	78	558756	4.530	ug/L	100
34) Trichloroethene	6.538	95	152426	4.525	ug/L	96
35) Methylcyclohexane	6.760	83	224239	4.479	ug/L	100
37) 1,2-Dichloropropane	6.785	63	138707	4.325	ug/L	100
38) Bromodichloromethane	7.100	83	171100	4.272	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	201139	4.444	ug/L	98
40) 4-Methyl-2-pentanone	7.789	43	639238	45.567	ug/L	99
42) Toluene	7.965	91	602570	4.635	ug/L	100
44) trans-1,3-Dichloropropene	8.207	75	160901	4.390	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	97223	4.434	ug/L	97
47) Tetrachloroethene	8.551	164	115624	4.573	ug/L	97
48) 2-Hexanone	8.686	43	465437	45.569	ug/L	98
49) Dibromochloromethane	8.805	129	111408	4.428	ug/L	97
50) 1,2-Dibromoethane	8.920	107	90063	4.396	ug/L	98
51) Chlorobenzene	9.444	112	374241	4.461	ug/L	99
52) Ethylbenzene	9.567	91	643097	4.539	ug/L	99
53) m,p-Xylene	9.692	106	249022	4.621	ug/L	96
54) o-Xylene	10.097	106	239393	4.635	ug/L	97
55) Styrene	10.113	104	404850	4.791	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	117772	4.571	ug/L	96
59) Bromoform	10.287	173	65668	4.358	ug/L	98
60) Isopropylbenzene	10.480	105	644291	4.580	ug/L	100
61) 1,2,3-Trichloropropane	10.821	75	81029	4.326	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	514874	4.513	ug/L	99
63) 1,2,4-Trimethylbenzene	11.464	105	519405	4.641	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	303173	4.550	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	295153	4.480	ug/L	99
67) 1,2-Dichlorobenzene	12.210	146	275074	4.480	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	15808	4.001	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	225956	4.528	ug/L	99
70) 1,2,4-trichlorobenzene	13.837	180	172664	4.361	ug/L	98
71) Naphthalene	14.084	128	230155	3.920	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	144309	4.158	ug/L	99

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

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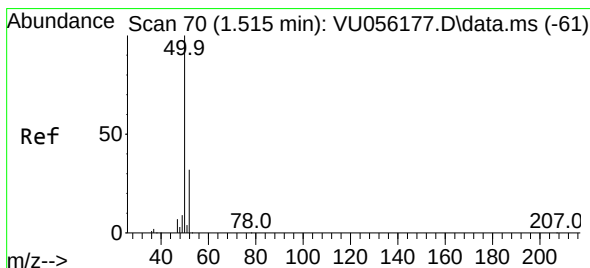
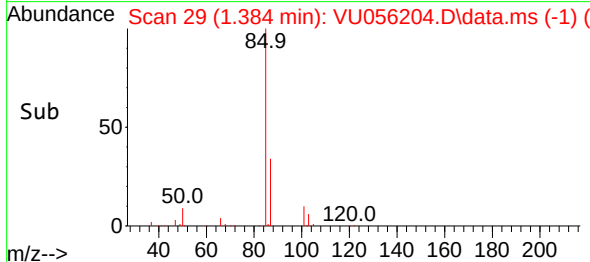
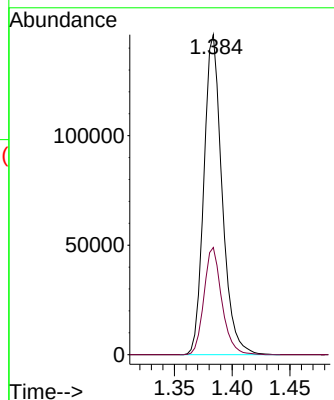
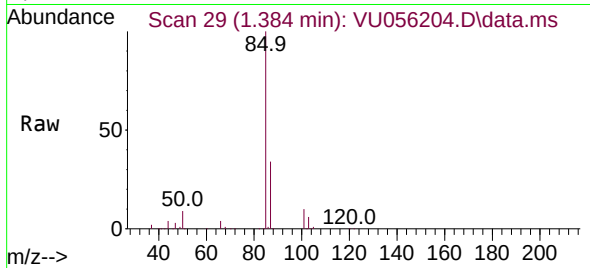




#2
Dichlorodifluoromethane
Concen: 4.237 ug/L
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

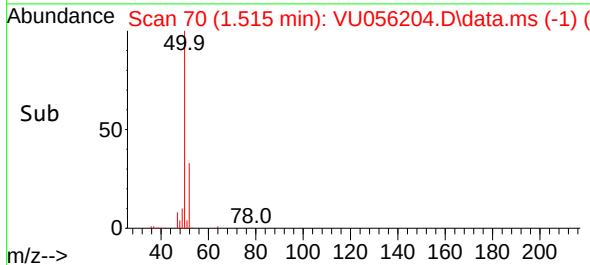
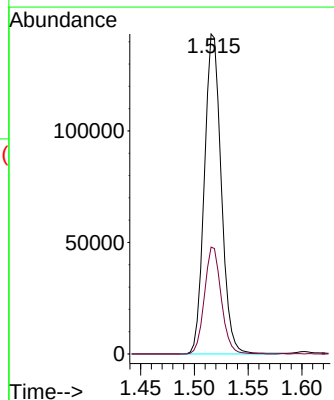
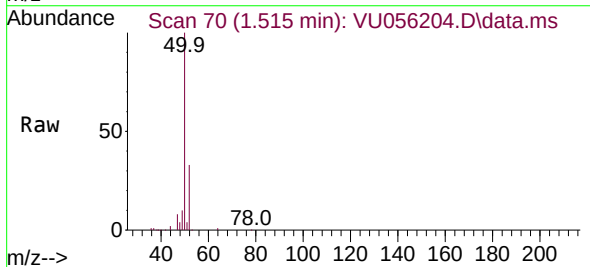
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MSVOA_U
ClientSampleId :

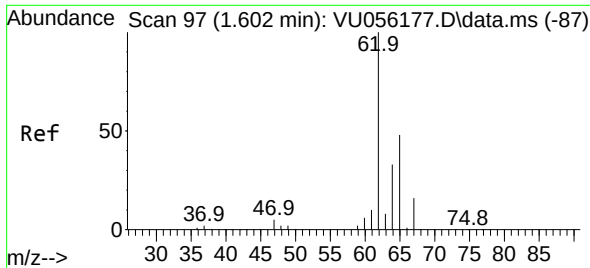
Tgt Ion: 85 Resp: 160555
Ion Ratio Lower Upper
85 100
87 32.9 26.4 39.6



#3
Chloromethane
Concen: 4.400 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion: 50 Resp: 156184
Ion Ratio Lower Upper
50 100
52 33.4 22.2 41.2

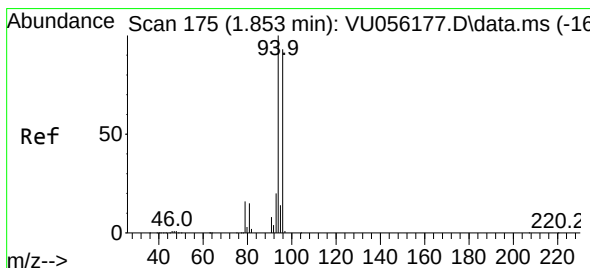
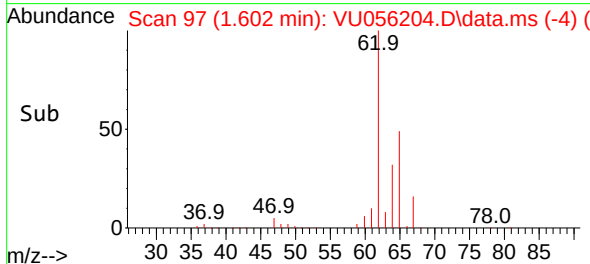
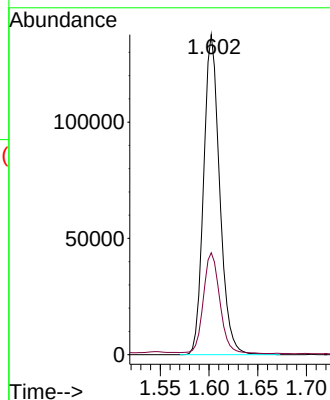
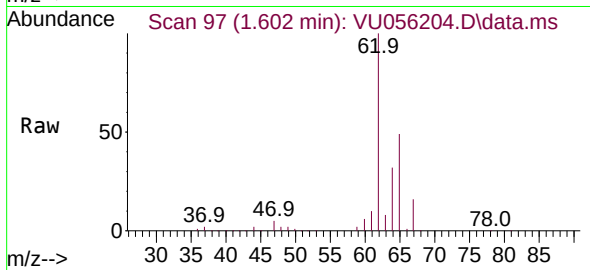




#5
Vinyl chloride
Concen: 4.293 ug/L
RT: 1.602 min Scan# 91
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

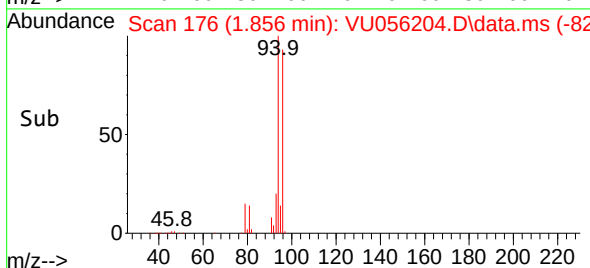
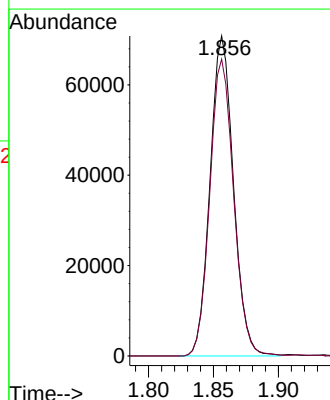
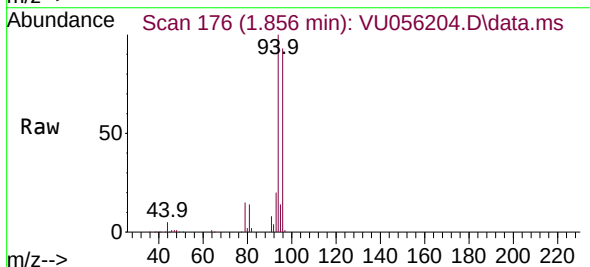
Instrument :
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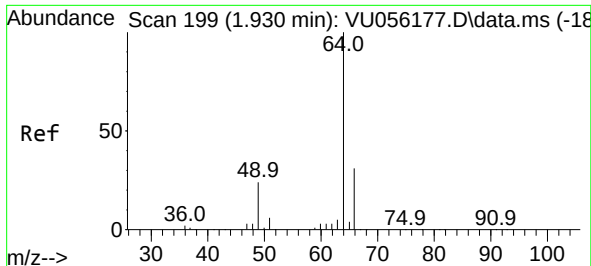
Tgt Ion: 62 Resp: 157647
Ion Ratio Lower Upper
62 100
64 31.9 24.1 44.7



#6
Bromomethane
Concen: 4.203 ug/L
RT: 1.856 min Scan# 176
Delta R.T. 0.004 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion: 94 Resp: 88655
Ion Ratio Lower Upper
94 100
96 92.8 65.6 121.8

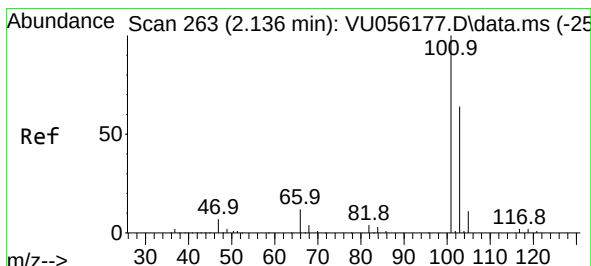
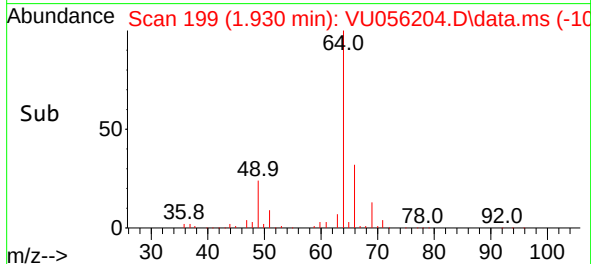
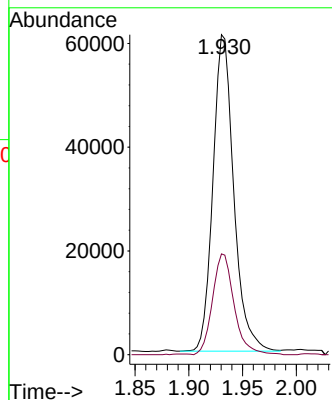
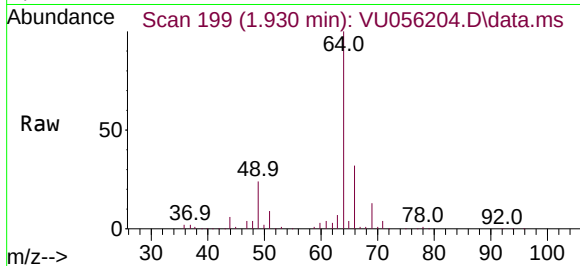




#8
Chloroethane
Concen: 4.122 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

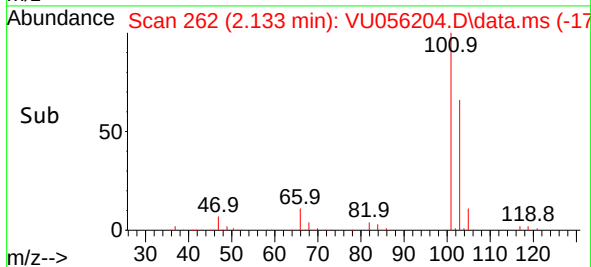
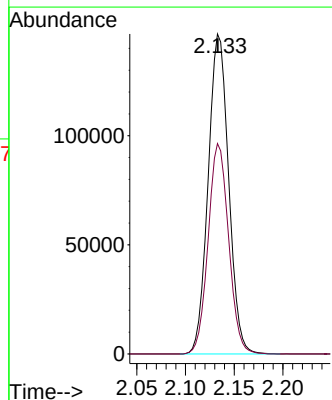
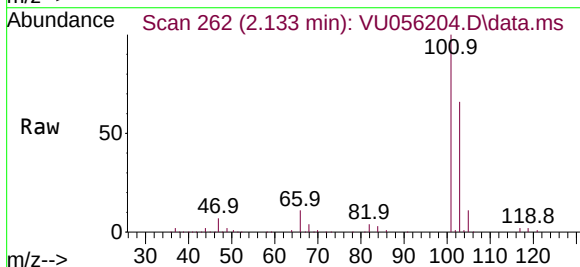
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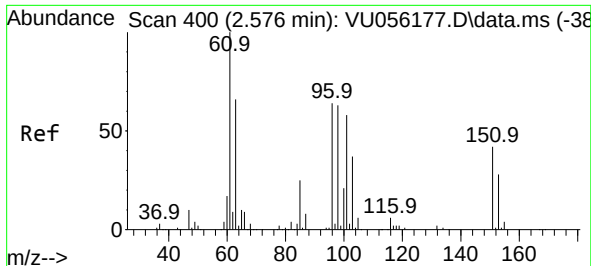
Tgt Ion: 64 Resp: 82059
Ion Ratio Lower Upper
64 100
66 31.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.412 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion:101 Resp: 214299
Ion Ratio Lower Upper
101 100
103 65.8 51.8 77.6

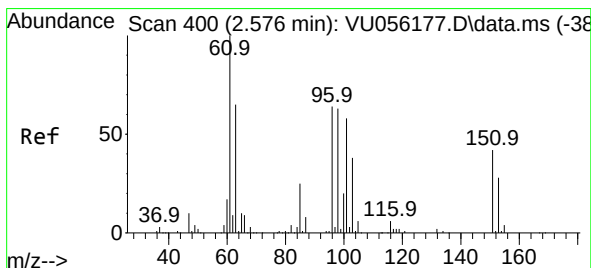
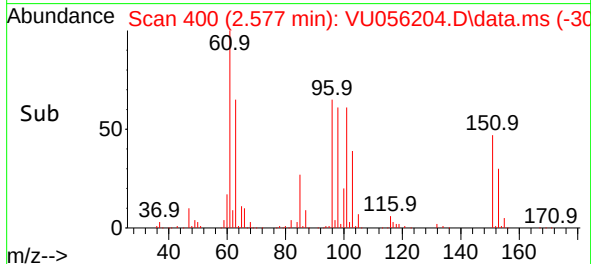
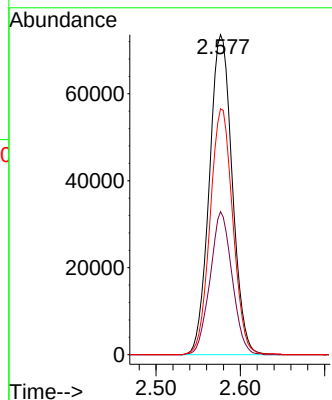
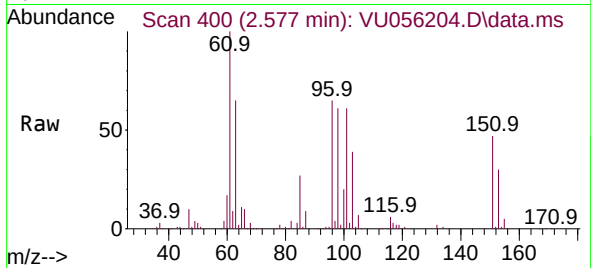




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.486 ug/L
 RT: 2.577 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056204.D
 Acq: 11 Nov 2023 09:26

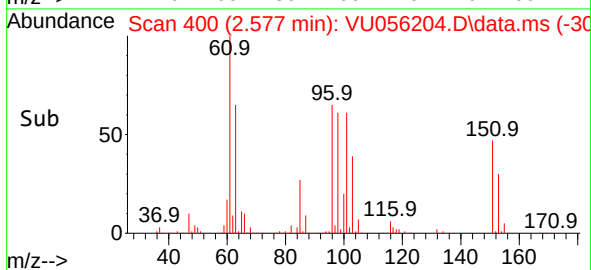
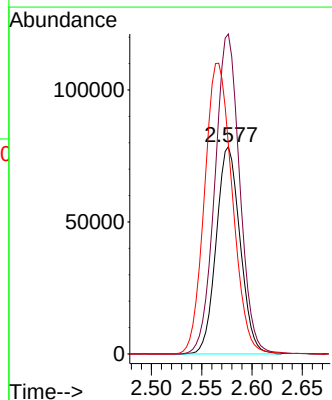
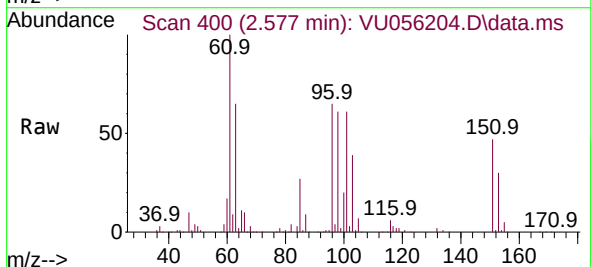
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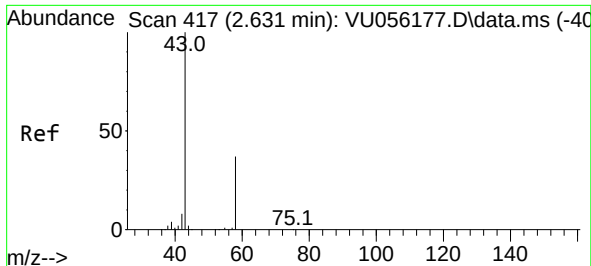
Tgt Ion:101 Resp: 138804
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.2 51.4
 151 76.3 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 4.506 ug/L
 RT: 2.577 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056204.D
 Acq: 11 Nov 2023 09:26

Tgt Ion: 96 Resp: 129395
 Ion Ratio Lower Upper
 96 100
 61 154.3 111.7 207.5
 63 101.1 74.5 138.3





#13

Acetone

Concen: 44.001 ug/L

RT: 2.638 min Scan# 417

Delta R.T. 0.007 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

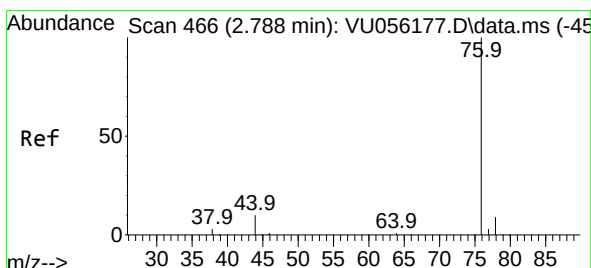
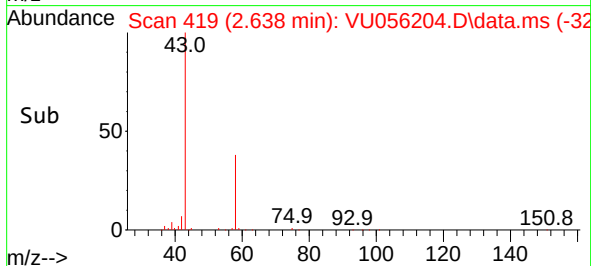
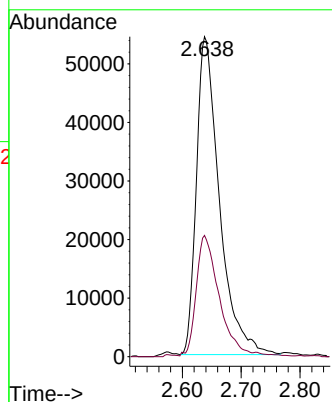
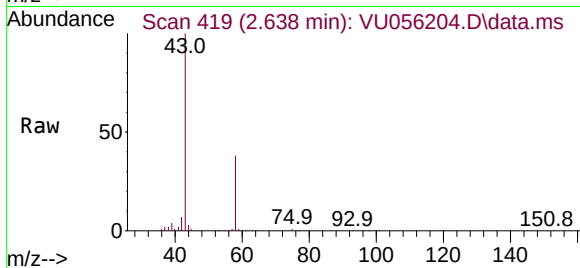
ClientSampleId :

Tgt Ion: 43 Resp: 147636

Ion Ratio Lower Upper

43 100

58 36.7 0.0 74.4



#14

Carbon disulfide

Concen: 4.112 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056204.D

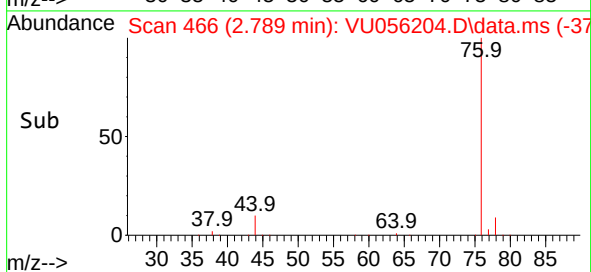
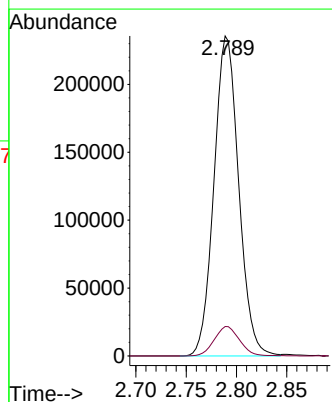
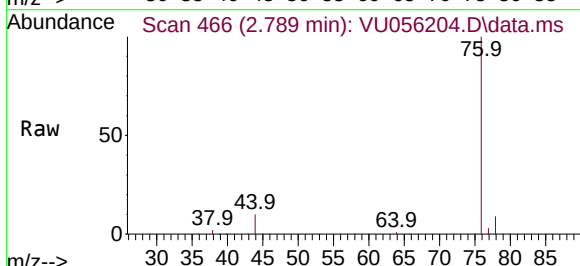
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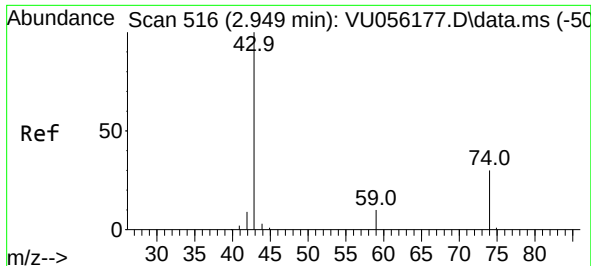
Tgt Ion: 76 Resp: 402413

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

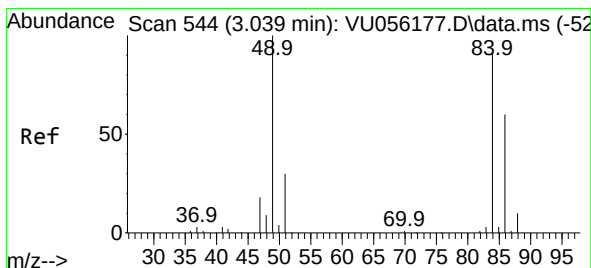
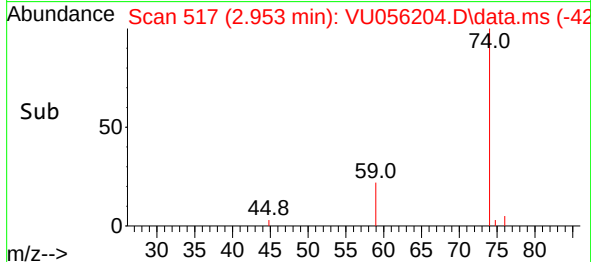
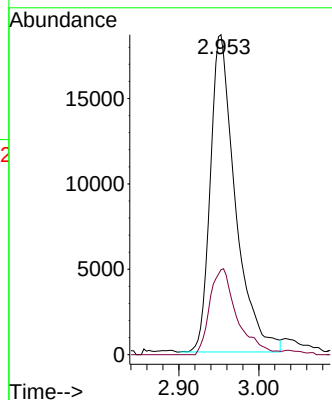
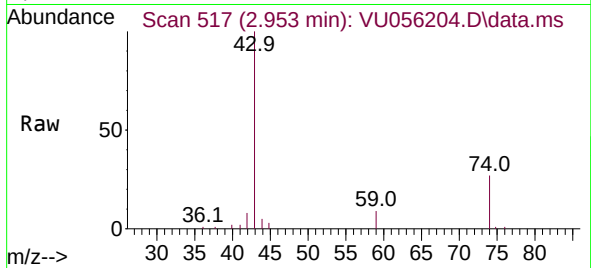




#15
Methyl Acetate
Concen: 4.269 ug/L
RT: 2.953 min Scan# 516
Delta R.T. 0.004 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

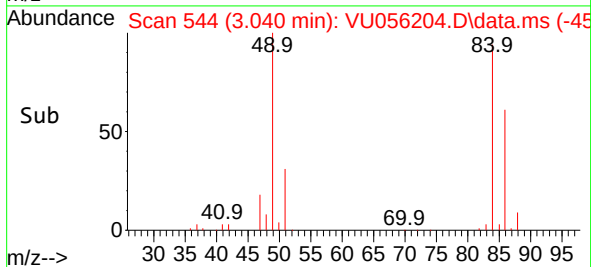
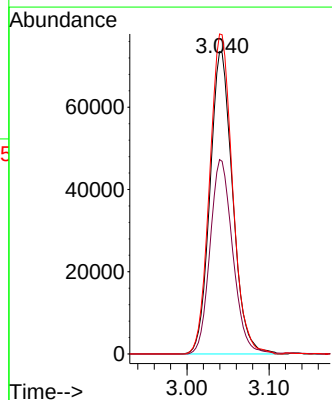
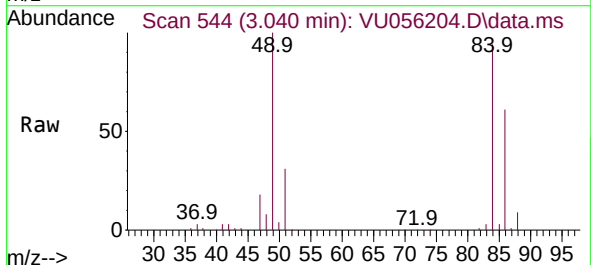
Instrument :
MSVOA_U
ClientSampleId :

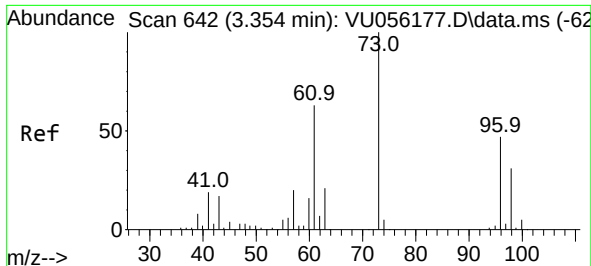
Tgt Ion: 43 Resp: 40418
Ion Ratio Lower Upper
43 100
74 29.6 23.3 34.9



#16
Methylene chloride
Concen: 4.286 ug/L
RT: 3.040 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion: 84 Resp: 141130
Ion Ratio Lower Upper
84 100
86 64.4 44.9 83.5
49 105.9 75.0 139.4

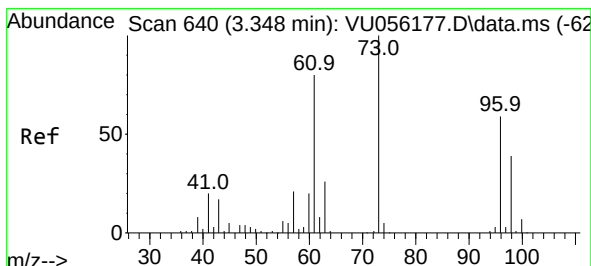
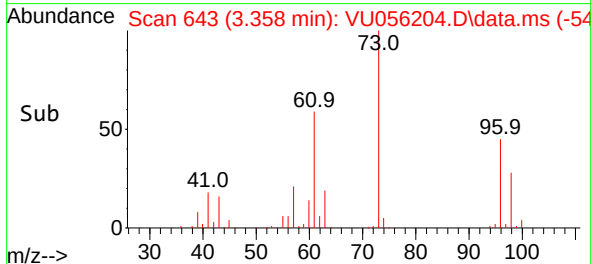
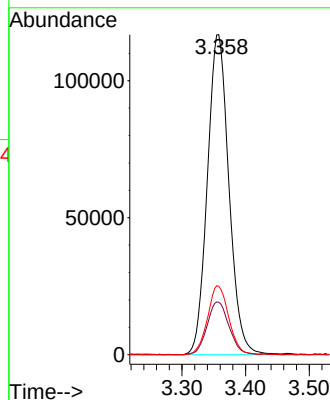
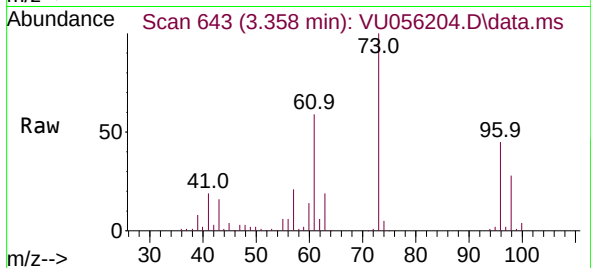




#17
Methyl tert-butyl Ether
Concen: 4.249 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.004 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

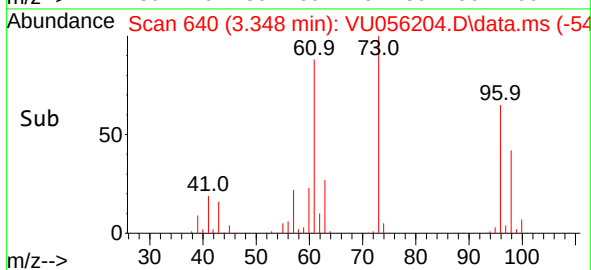
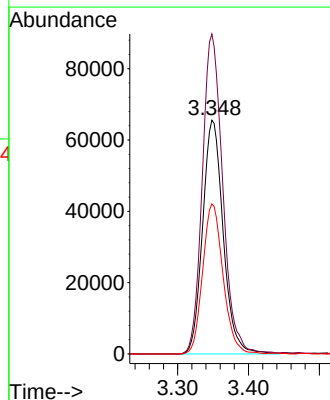
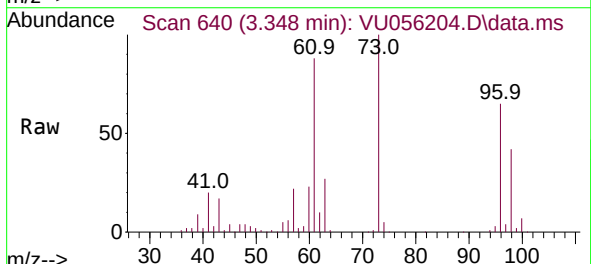
Instrument :
MSVOA_U
ClientSampleId :

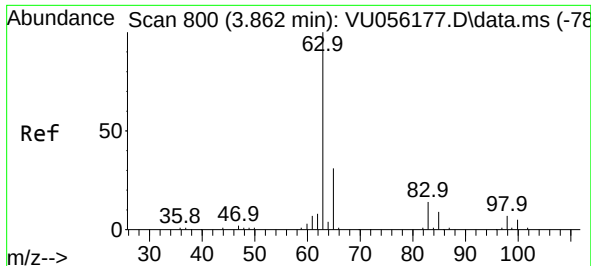
Tgt Ion: 73 Resp: 274908
Ion Ratio Lower Upper
73 100
43 16.8 13.6 20.4
57 21.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.346 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion: 96 Resp: 132261
Ion Ratio Lower Upper
96 100
61 136.9 96.7 179.5
98 64.2 44.3 82.3





#19

1,1-Dichloroethane

Concen: 4.413 ug/L

RT: 3.863 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

ClientSampleId :

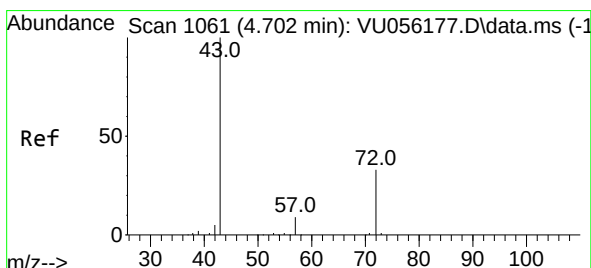
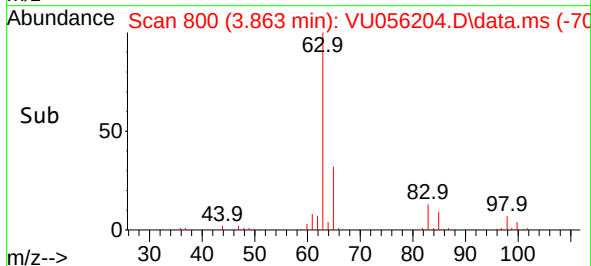
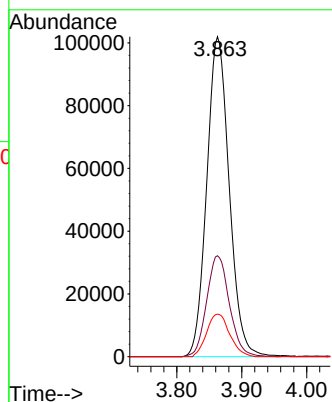
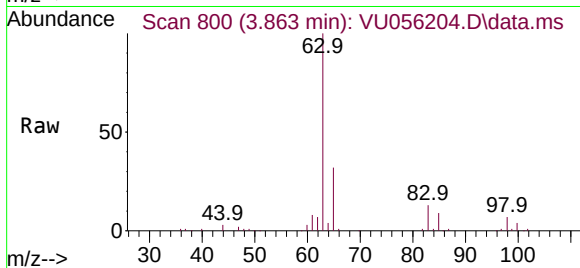
Tgt Ion: 63 Resp: 244966

Ion Ratio Lower Upper

63 100

65 31.5 20.6 38.2

83 13.3 9.6 17.8



#21

2-Butanone

Concen: 46.344 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.007 min

Lab File: VU056204.D

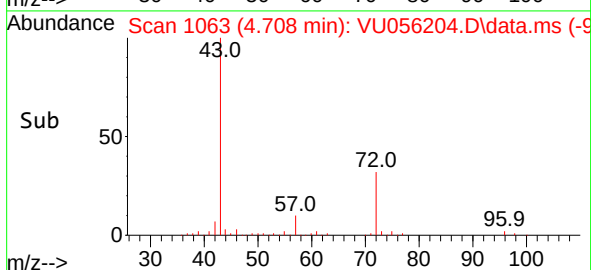
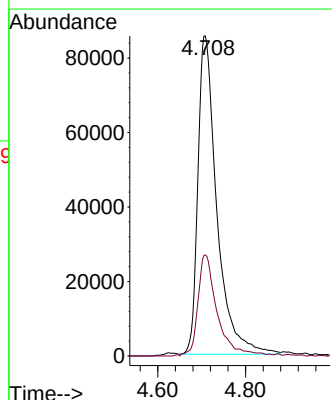
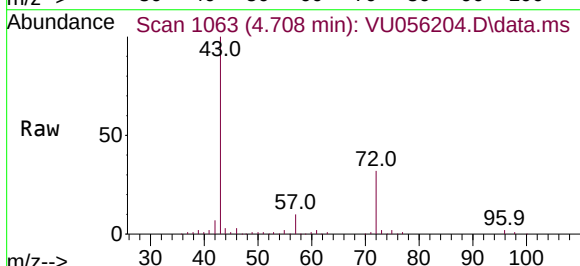
Acq: 11 Nov 2023 09:26

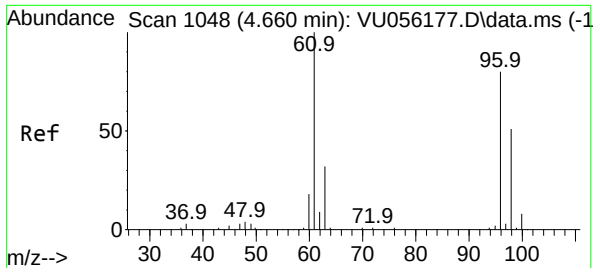
Tgt Ion: 43 Resp: 256445

Ion Ratio Lower Upper

43 100

72 31.8 15.7 47.0

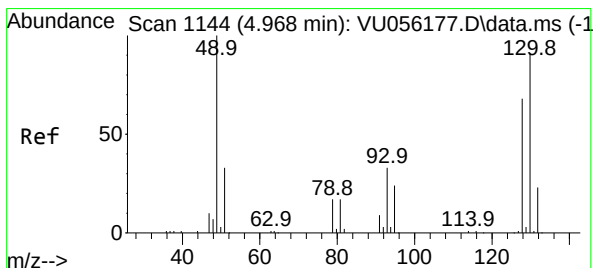
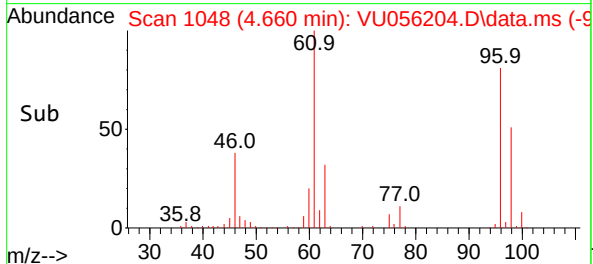
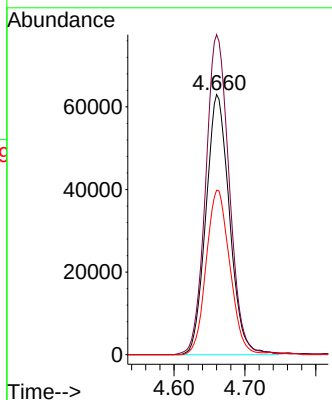
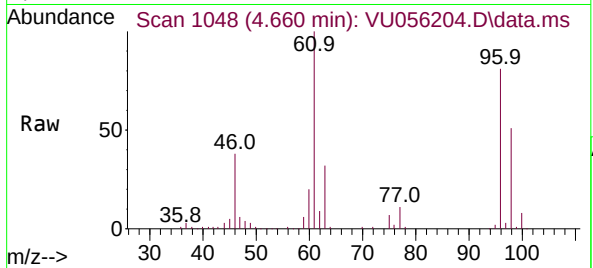




#22
 cis-1,2-Dichloroethene
 Concen: 4.436 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056204.D
 Acq: 11 Nov 2023 09:26

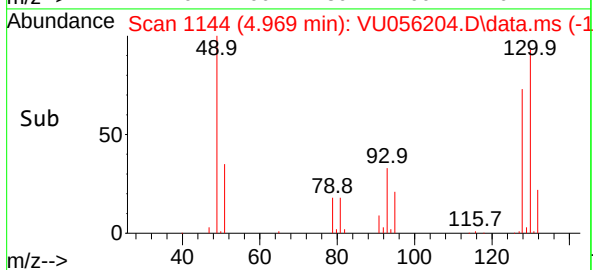
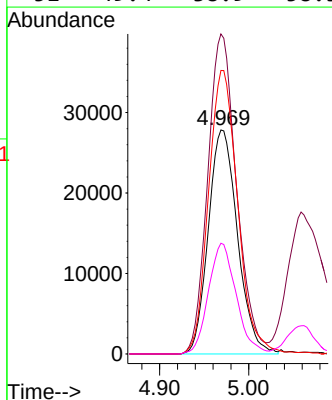
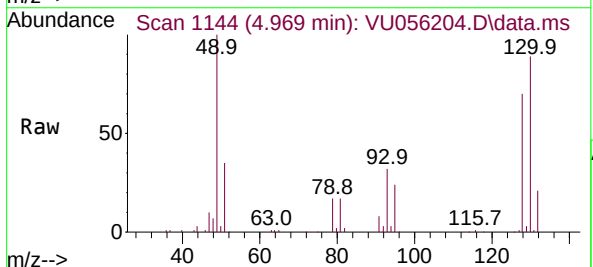
Instrument :
 MSVOA_U
 ClientSampleId :

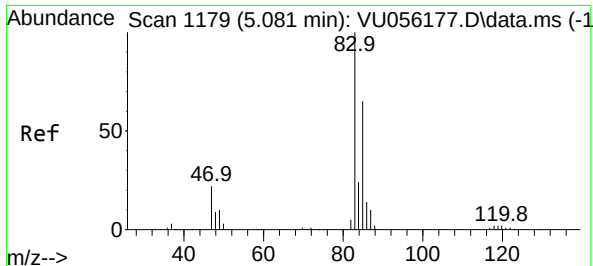
Tgt Ion: 96 Resp: 145706
 Ion Ratio Lower Upper
 96 100
 61 123.0 87.8 163.2
 98 63.2 43.5 80.7



#23
 Bromochloromethane
 Concen: 4.346 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056204.D
 Acq: 11 Nov 2023 09:26

Tgt Ion:128 Resp: 63349
 Ion Ratio Lower Upper
 128 100
 49 142.8 103.7 192.7
 130 126.5 91.8 170.6
 51 49.4 38.9 58.3





#25

Chloroform

Concen: 4.367 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

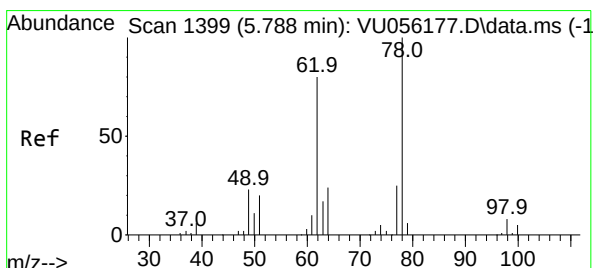
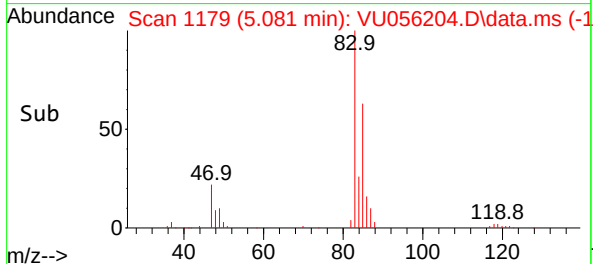
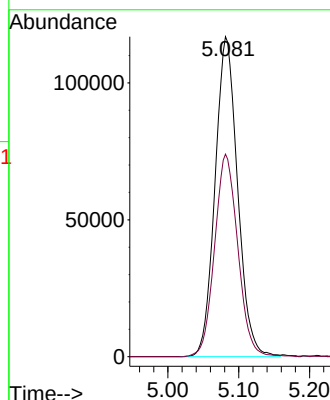
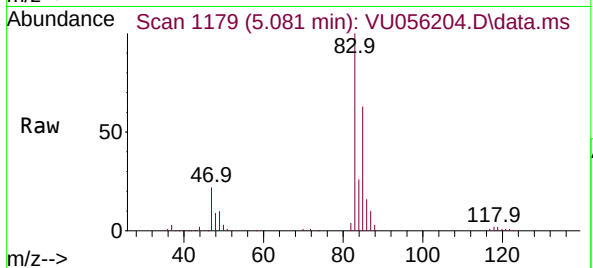
ClientSampleId :

Tgt Ion: 83 Resp: 258299

Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 4.279 ug/L

RT: 5.789 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056204.D

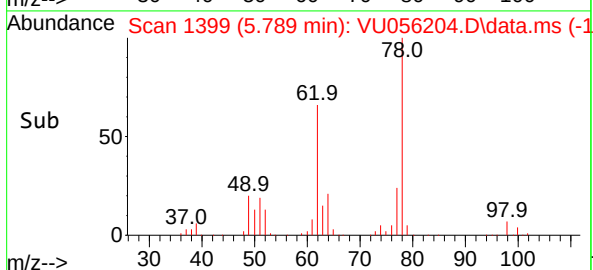
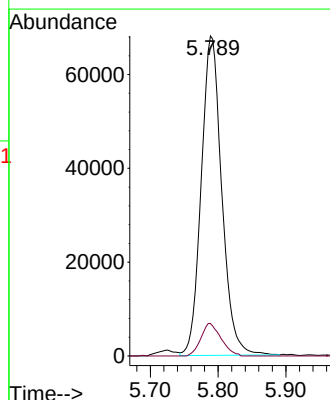
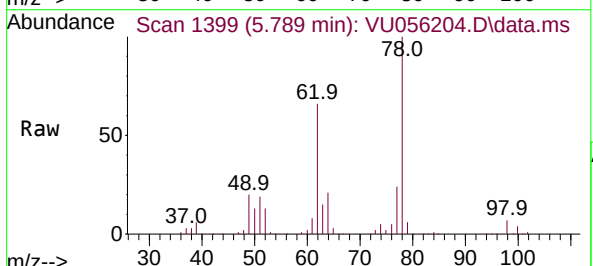
Acq: 11 Nov 2023 09:26

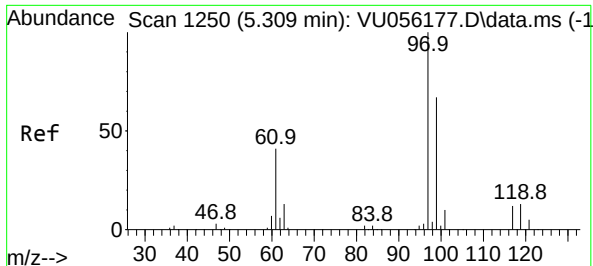
Tgt Ion: 62 Resp: 143261

Ion Ratio Lower Upper

62 100

98 10.1 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 4.470 ug/L

RT: 5.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

ClientSampleId :

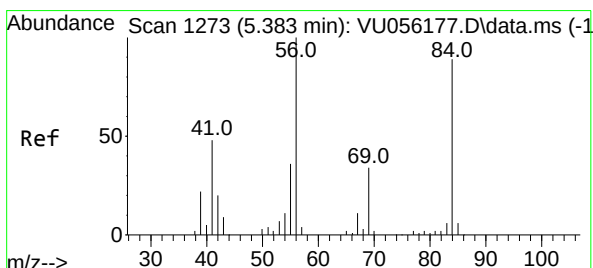
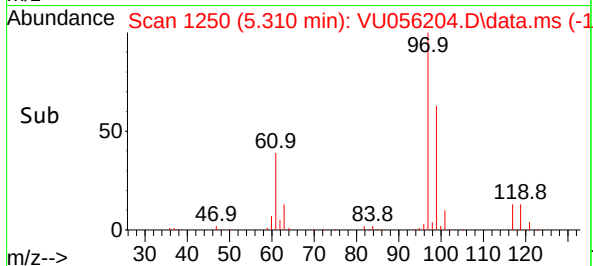
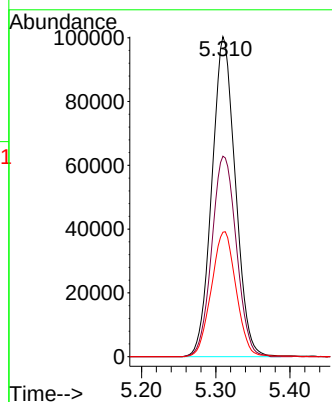
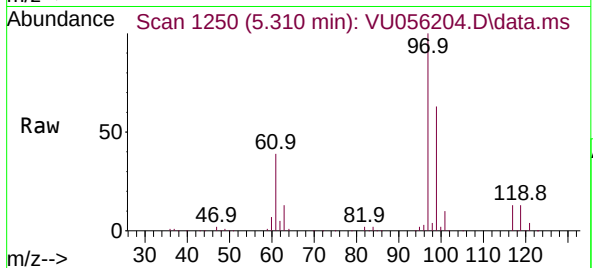
Tgt Ion: 97 Resp: 220589

Ion Ratio Lower Upper

97 100

99 65.7 52.0 78.0

61 41.0 33.4 50.0



#30

Cyclohexane

Concen: 4.441 ug/L

RT: 5.387 min Scan# 1274

Delta R.T. 0.004 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

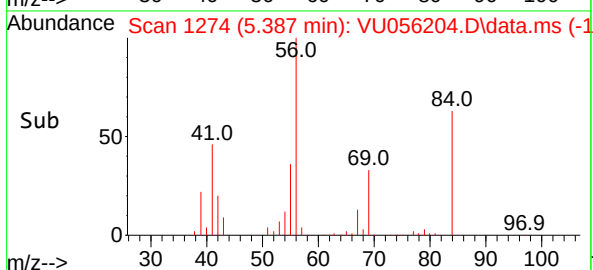
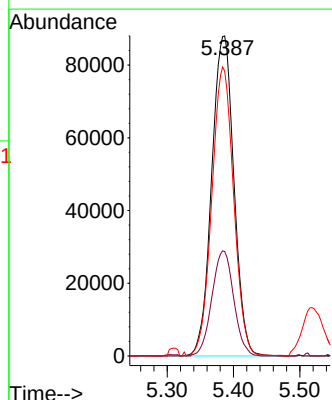
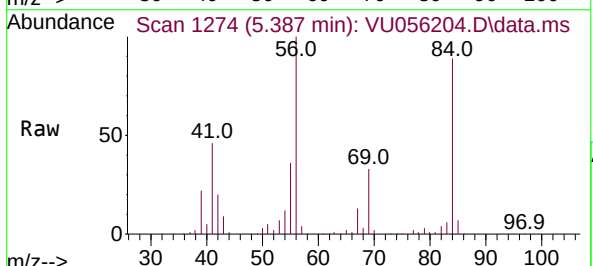
Tgt Ion: 56 Resp: 204756

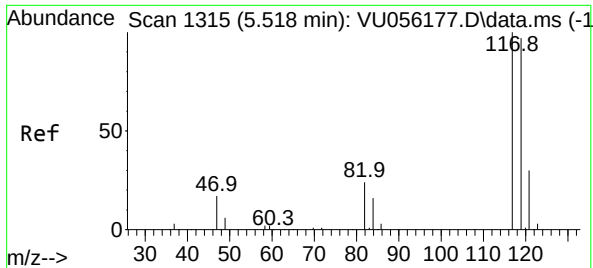
Ion Ratio Lower Upper

56 100

69 32.3 26.6 39.8

84 88.8 70.4 105.6

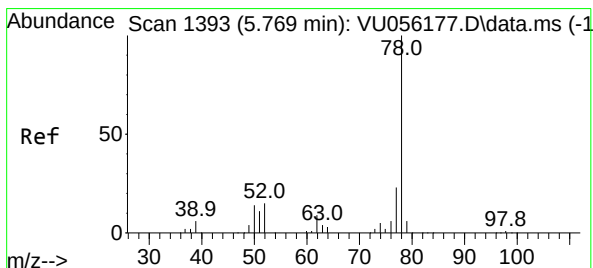
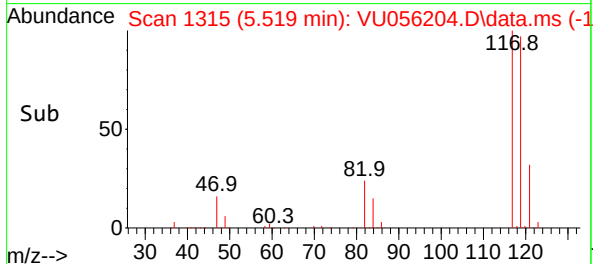
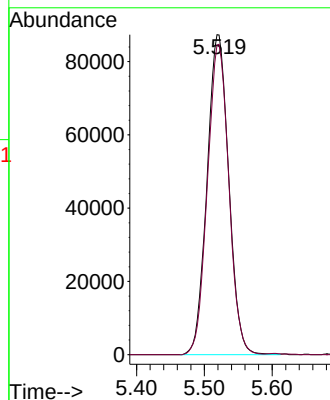
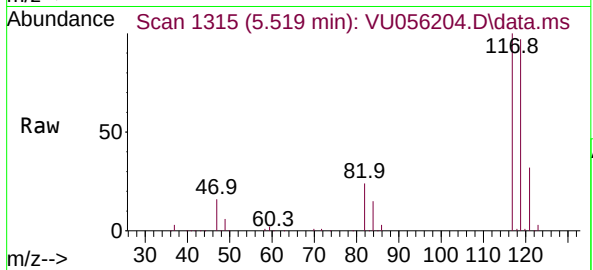




#31
Carbon tetrachloride
Concen: 4.432 ug/L
RT: 5.519 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

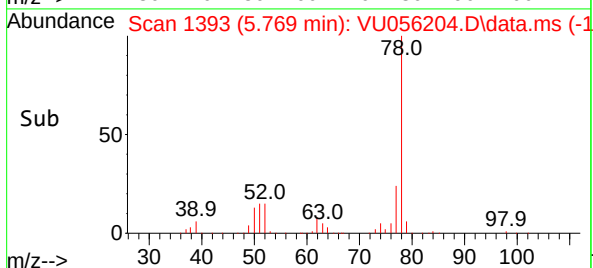
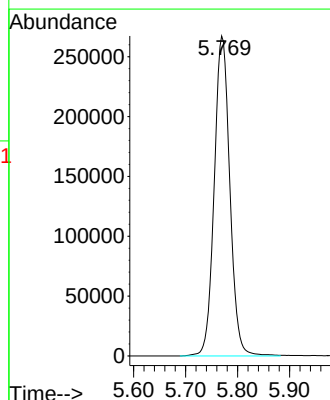
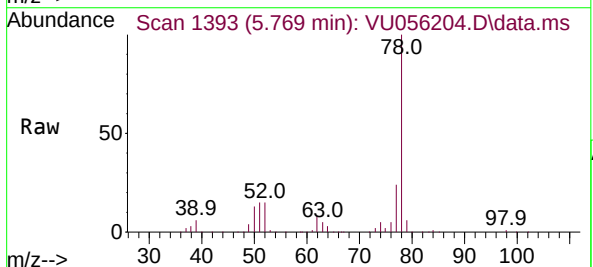
Instrument :
MSVOA_U
ClientSampleId :

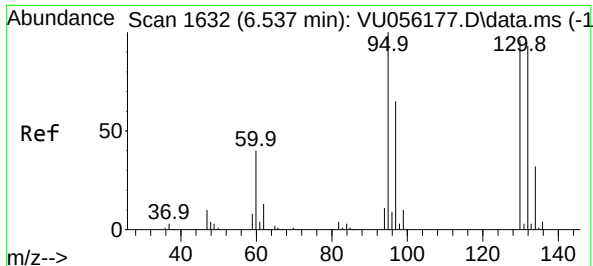
Tgt Ion:117 Resp: 194199
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8



#33
Benzene
Concen: 4.530 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

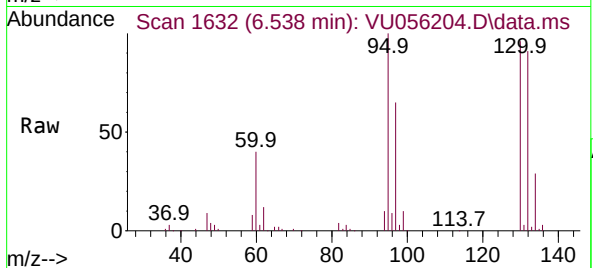
Tgt Ion: 78 Resp: 558756





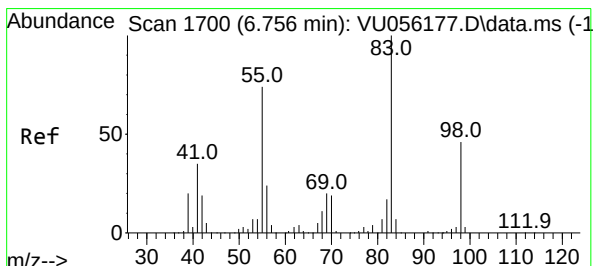
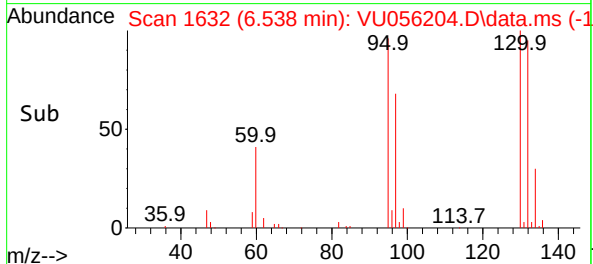
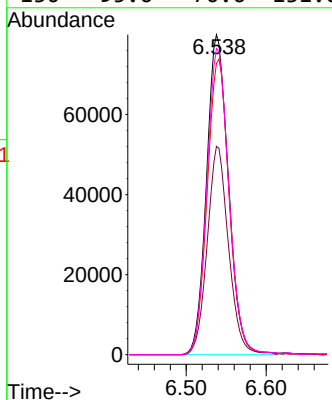
#34
Trichloroethene
Concen: 4.525 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 152426

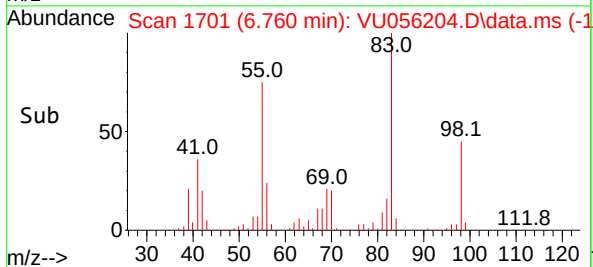
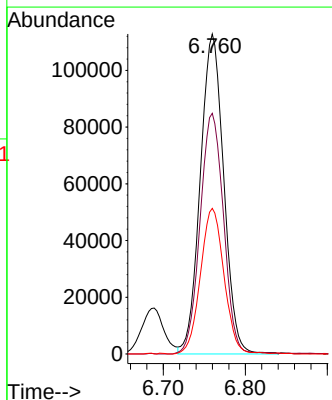
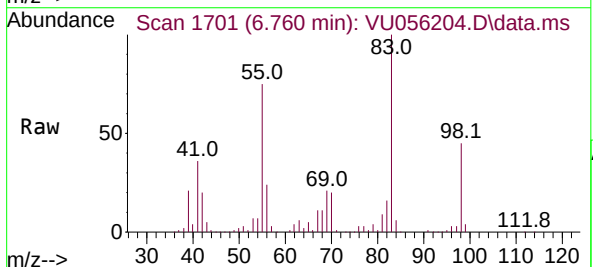
Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.8	87.0
132	91.0	66.5	123.5
130	95.6	70.6	131.0

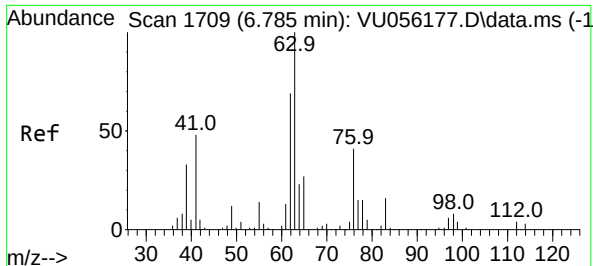


#35
Methylcyclohexane
Concen: 4.479 ug/L
RT: 6.760 min Scan# 1701
Delta R.T. 0.004 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion: 83 Resp: 224239

Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.6	91.0
98	45.5	36.2	54.4





#37

1,2-Dichloropropane

Concen: 4.325 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

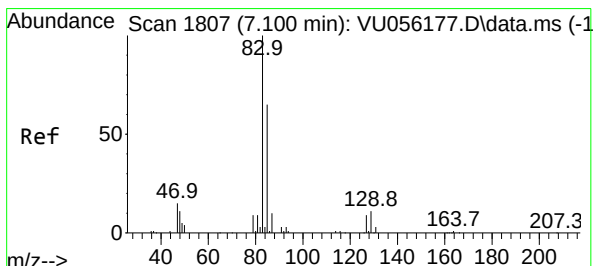
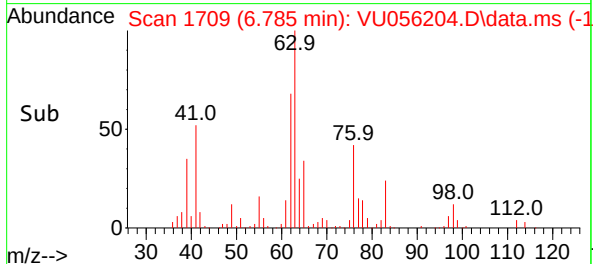
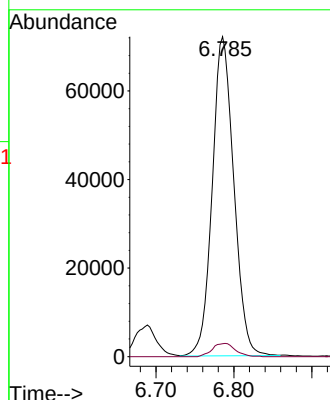
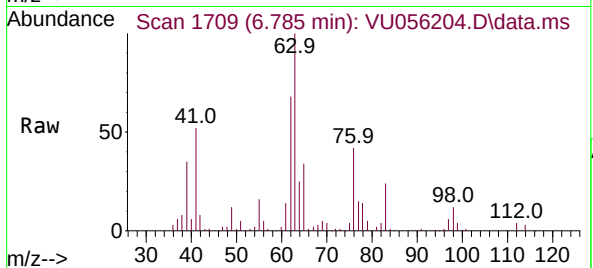
ClientSampleId :

Tgt Ion: 63 Resp: 138707

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#38

Bromodichloromethane

Concen: 4.272 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

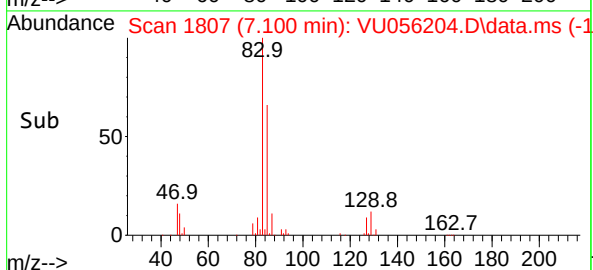
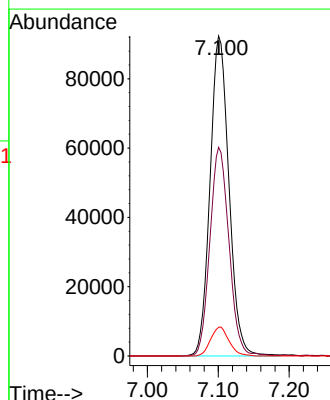
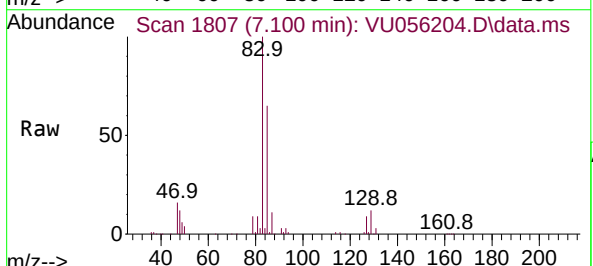
Tgt Ion: 83 Resp: 171100

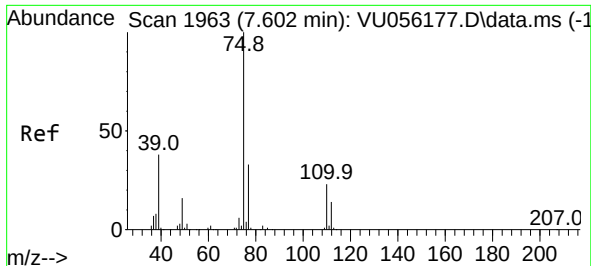
Ion Ratio Lower Upper

83 100

85 65.2 46.6 86.6

127 9.0 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 4.444 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

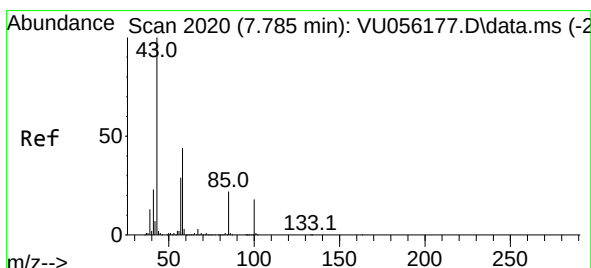
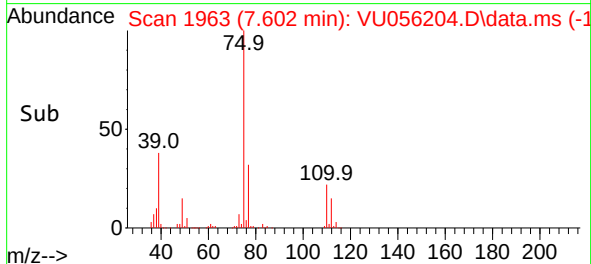
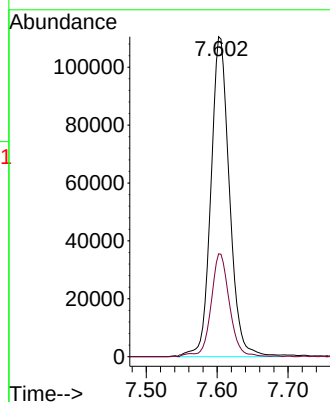
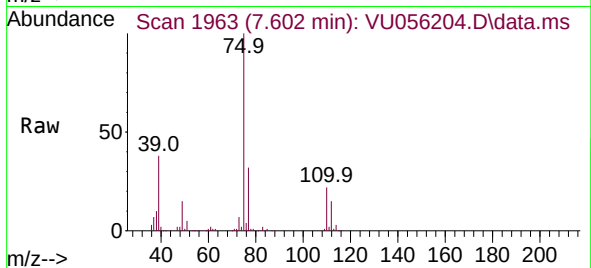
ClientSampleId :

Tgt Ion: 75 Resp: 201139

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 45.567 ug/L

RT: 7.789 min Scan# 2021

Delta R.T. 0.004 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

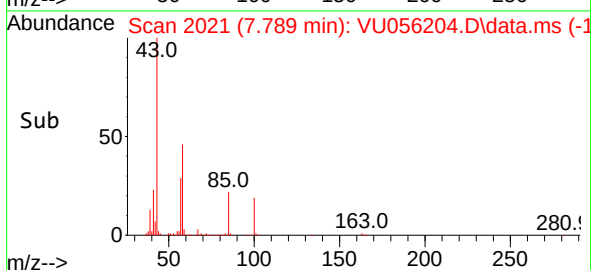
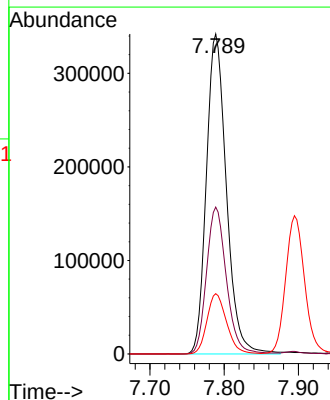
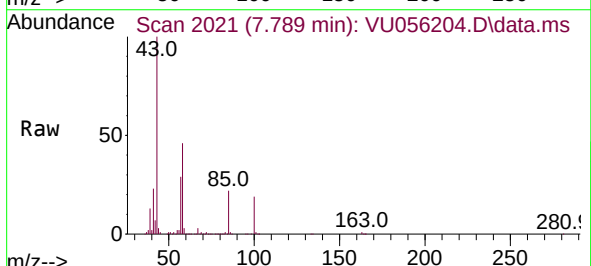
Tgt Ion: 43 Resp: 639238

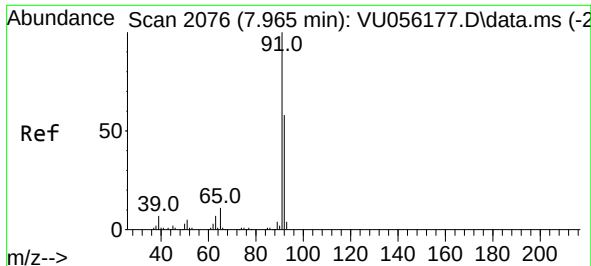
Ion Ratio Lower Upper

43 100

58 45.6 36.0 54.0

100 18.5 14.2 21.4





#42

Toluene

Concen: 4.635 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

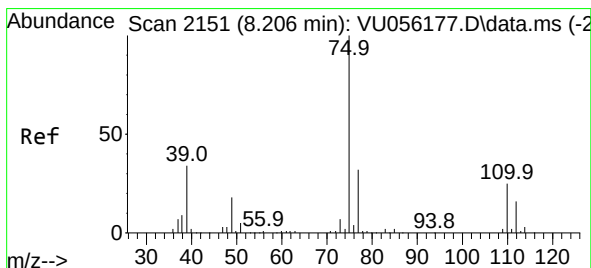
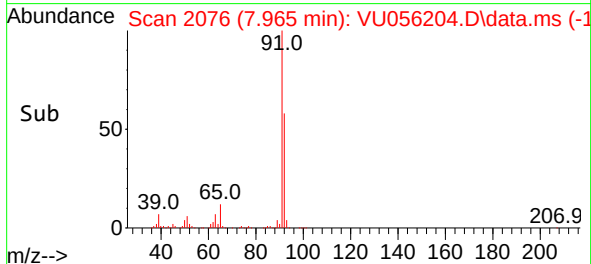
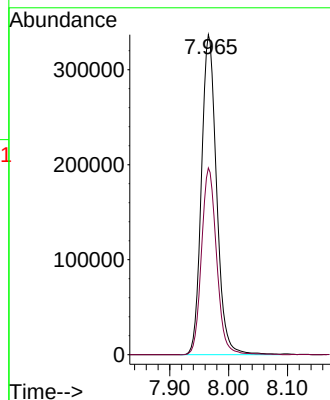
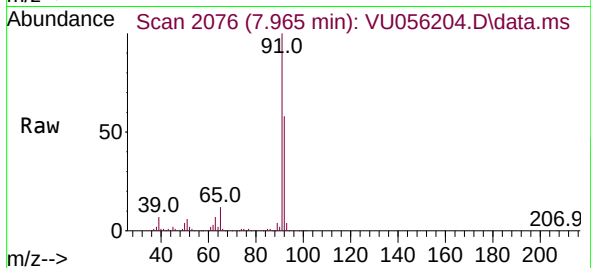
ClientSampleId :

Tgt Ion: 91 Resp: 602570

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.390 ug/L

RT: 8.207 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056204.D

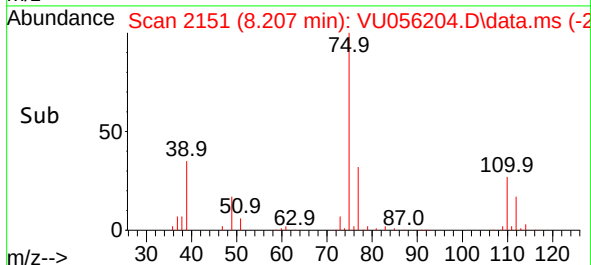
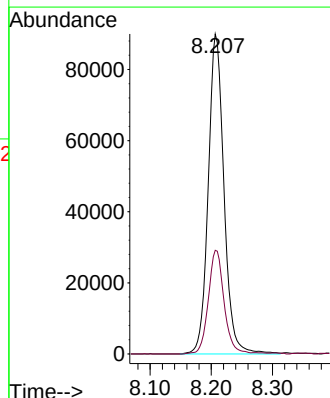
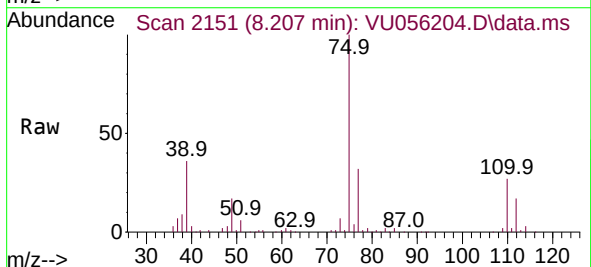
Acq: 11 Nov 2023 09:26

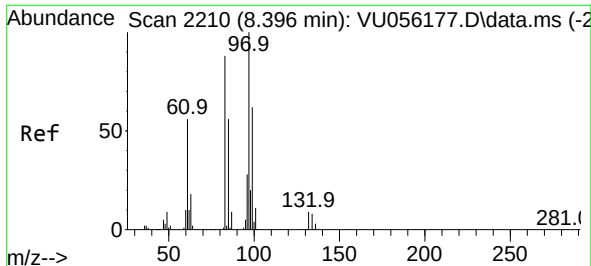
Tgt Ion: 75 Resp: 160901

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3

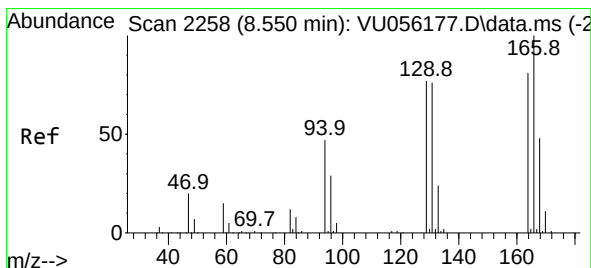
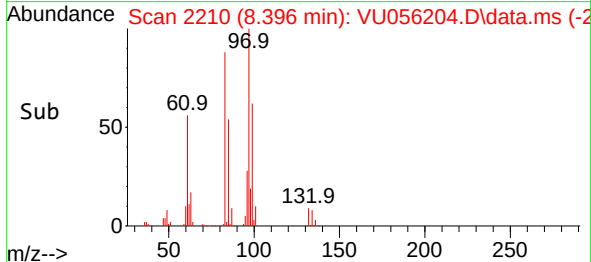
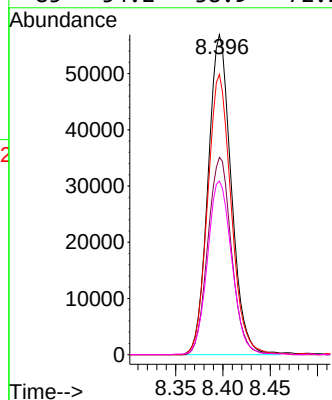
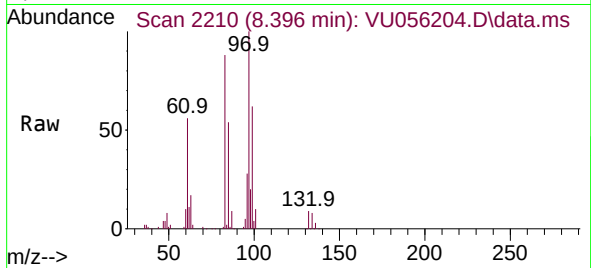




#45
1,1,2-Trichloroethane
Concen: 4.434 ug/L
RT: 8.396 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

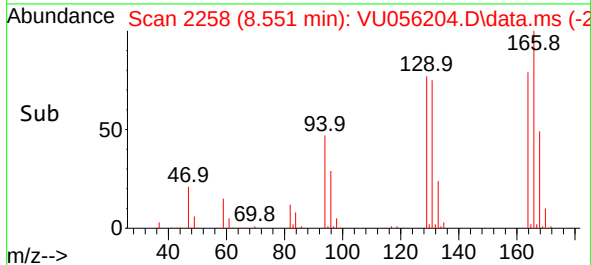
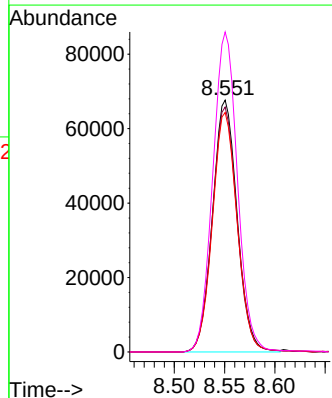
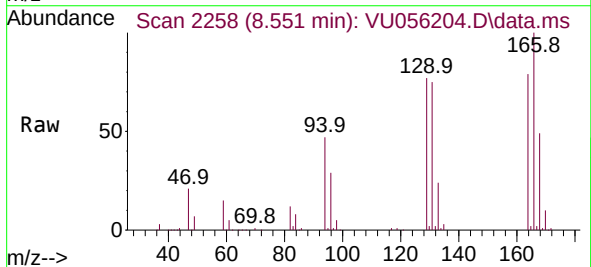
Instrument :
MSVOA_U
ClientSampleId :

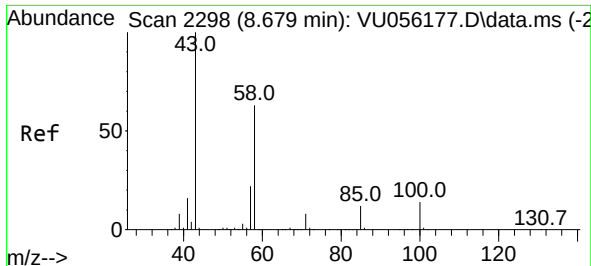
Tgt Ion: 97	Resp: 97223
Ion Ratio	Lower Upper
97 100	
99 61.6	44.7 82.9
83 87.6	59.4 110.2
85 54.2	38.9 72.2



#47
Tetrachloroethene
Concen: 4.573 ug/L
RT: 8.551 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

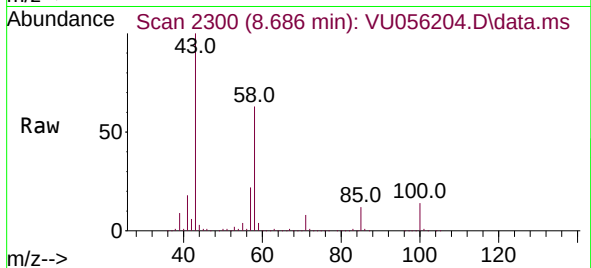
Tgt	Ion:164	Resp:	115624
Ion	Ratio	Lower	Upper
164	100		
129	97.3	66.6	123.8
131	95.1	67.8	126.0
166	127.1	85.9	159.5



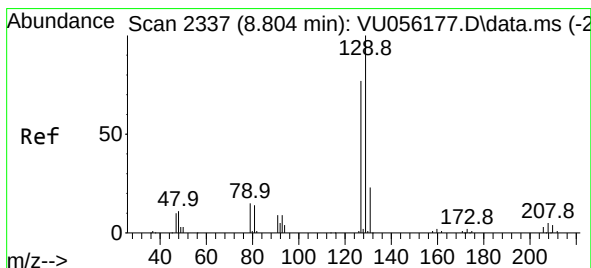
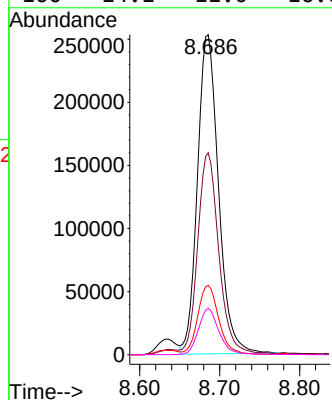
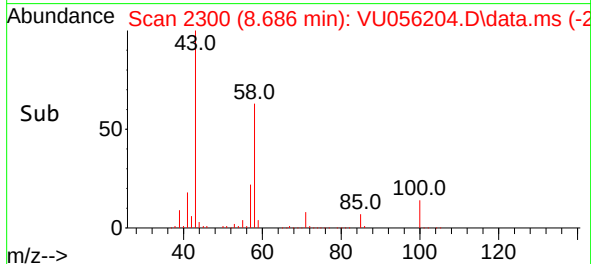


#48
2-Hexanone
Concen: 45.569 ug/L
RT: 8.686 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Instrument :
MSVOA_U
ClientSampleId :

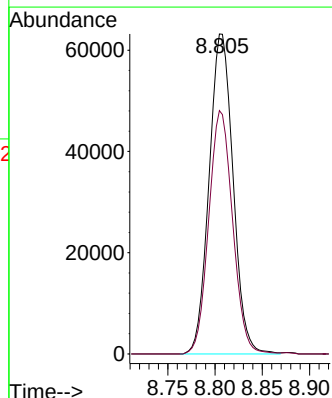
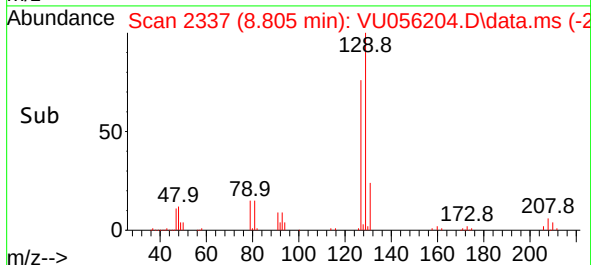
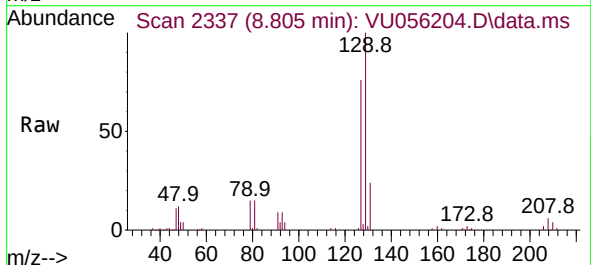


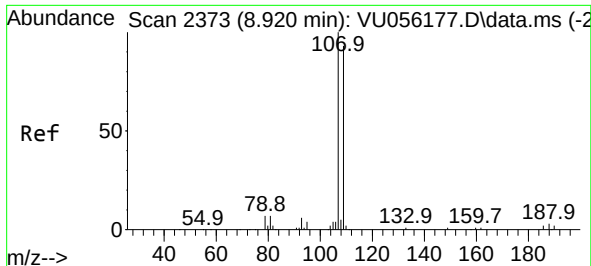
Tgt Ion: 43 Resp: 465437
Ion Ratio Lower Upper
43 100
58 62.9 52.0 78.0
57 21.5 17.4 26.2
100 14.1 11.0 16.6



#49
Dibromochloromethane
Concen: 4.428 ug/L
RT: 8.805 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion: 129 Resp: 111408
Ion Ratio Lower Upper
129 100
127 76.1 55.4 102.8

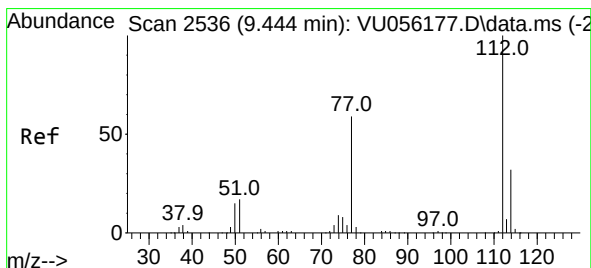
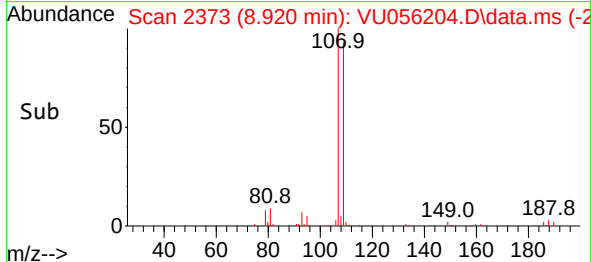
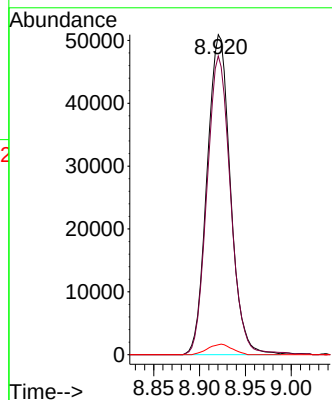
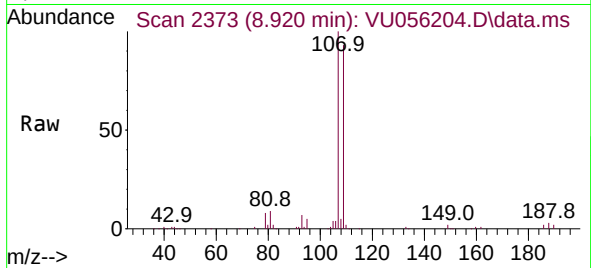




#50
1,2-Dibromoethane
Concen: 4.396 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

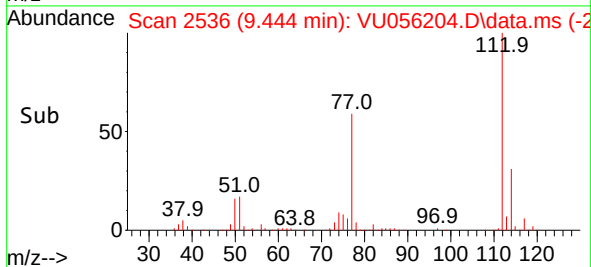
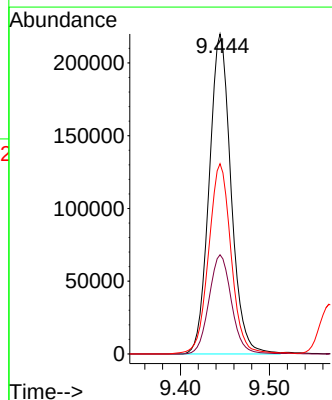
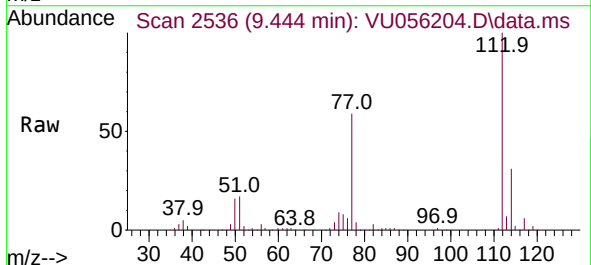
Instrument :
MSVOA_U
ClientSampleId :

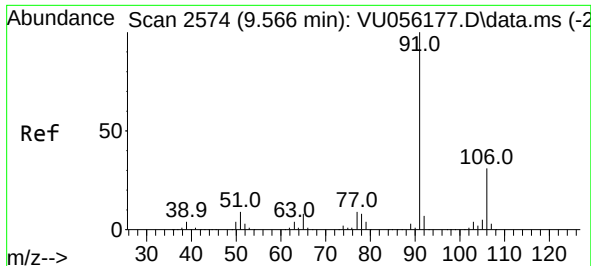
Tgt Ion:107 Resp: 90063
Ion Ratio Lower Upper
107 100
109 93.4 66.9 124.3
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 4.461 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion:112 Resp: 374241
Ion Ratio Lower Upper
112 100
114 31.0 21.8 40.4
77 59.4 48.2 72.4

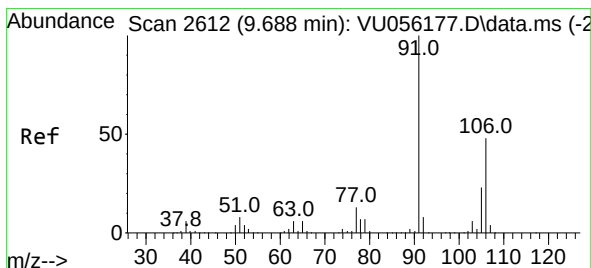
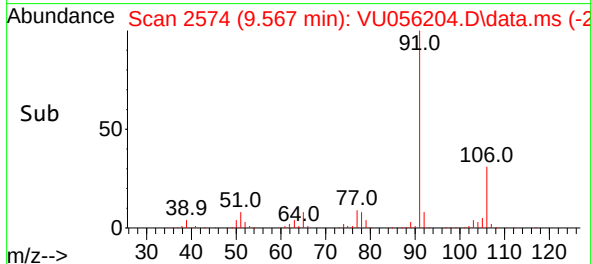
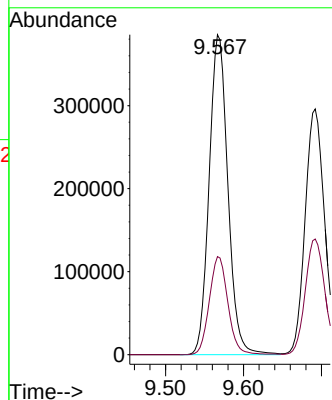
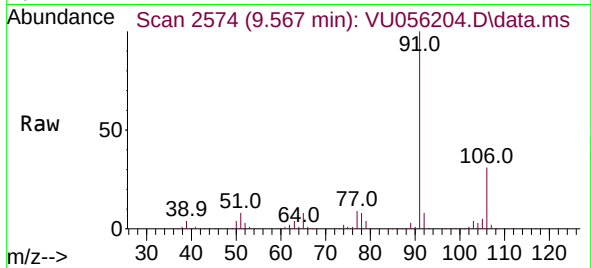




#52
Ethylbenzene
Concen: 4.539 ug/L
RT: 9.567 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

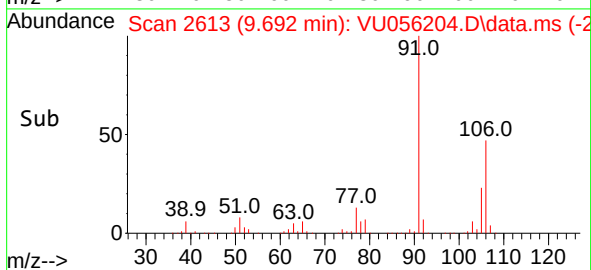
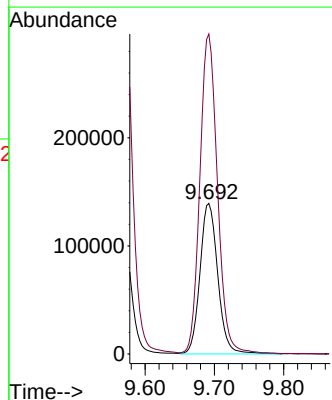
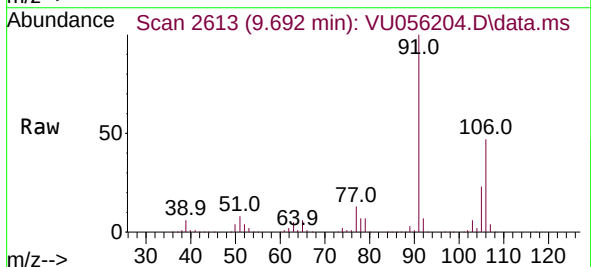
Instrument :
MSVOA_U
ClientSampleId :

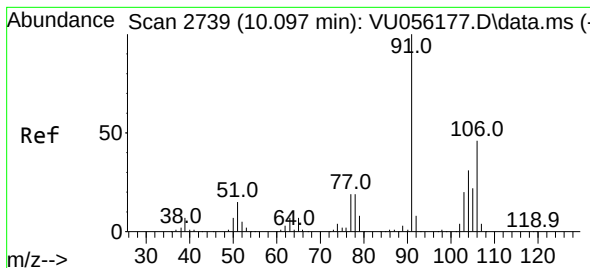
Tgt Ion: 91 Resp: 643097
Ion Ratio Lower Upper
91 100
106 30.7 21.2 39.4



#53
m,p-Xylene
Concen: 4.621 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.004 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion:106 Resp: 249022
Ion Ratio Lower Upper
106 100
91 212.5 144.9 269.1





#54

o-Xylene

Concen: 4.635 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

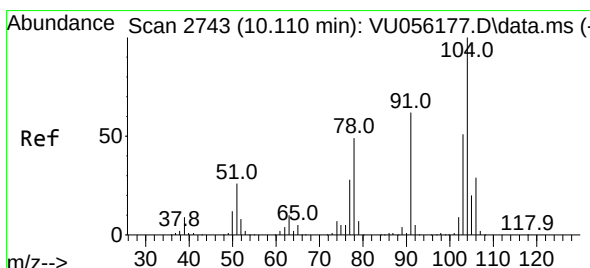
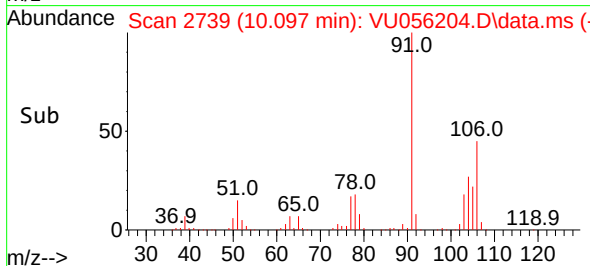
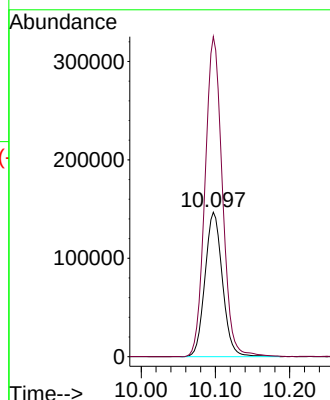
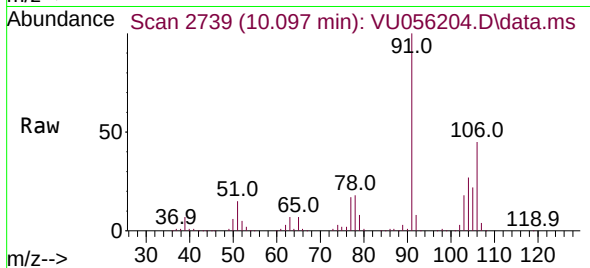
ClientSampleId :

Tgt Ion:106 Resp: 239393

Ion Ratio Lower Upper

106 100

91 221.5 158.2 293.8



#55

Styrene

Concen: 4.791 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.004 min

Lab File: VU056204.D

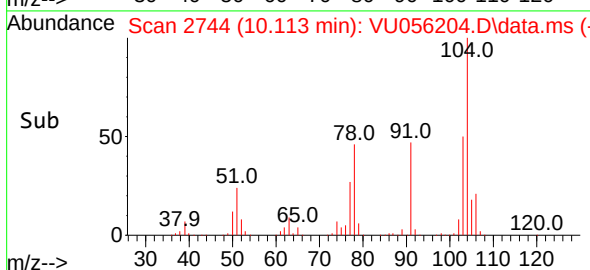
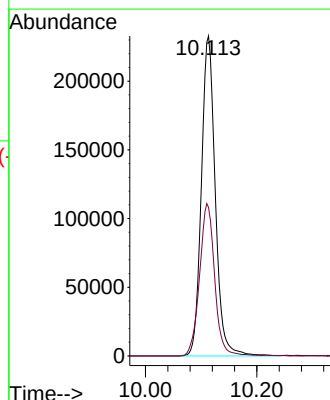
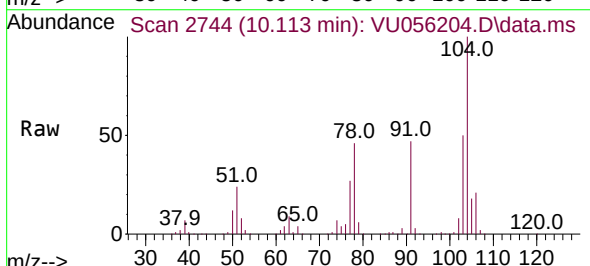
Acq: 11 Nov 2023 09:26

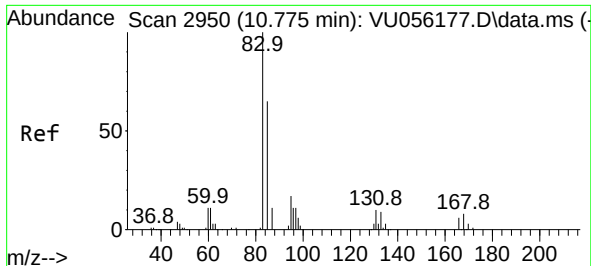
Tgt Ion:104 Resp: 404850

Ion Ratio Lower Upper

104 100

78 46.5 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.571 ug/L

RT: 10.779 min Scan# 2950

Delta R.T. 0.004 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

ClientSampleId :

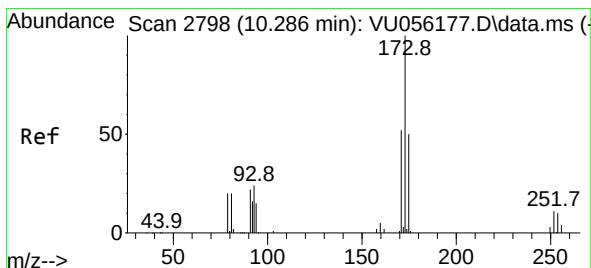
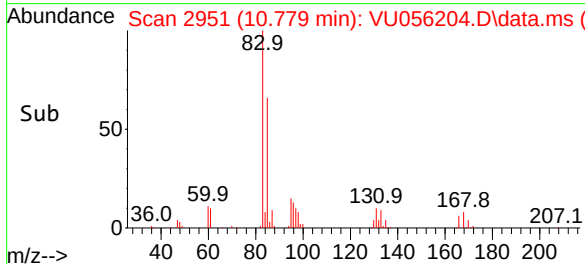
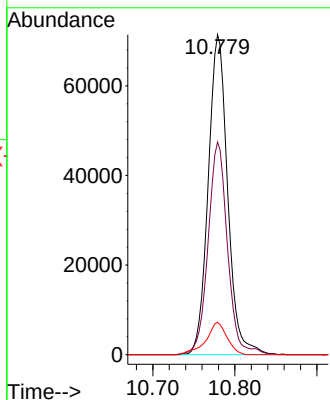
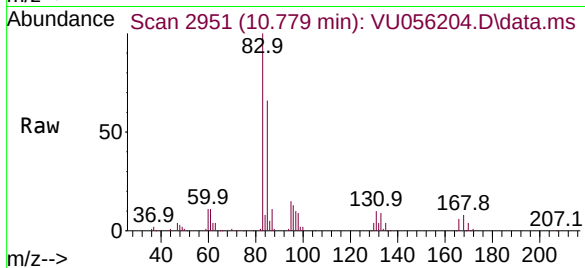
Tgt Ion: 83 Resp: 117772

Ion Ratio Lower Upper

83 100

85 66.5 44.0 81.8

131 10.1 7.4 11.2



#59

Bromoform

Concen: 4.358 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

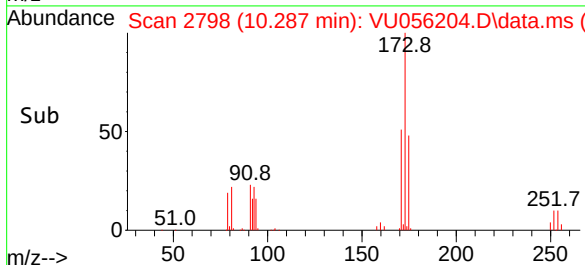
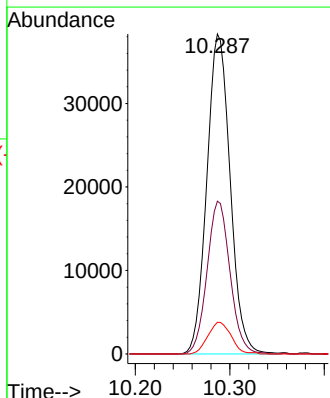
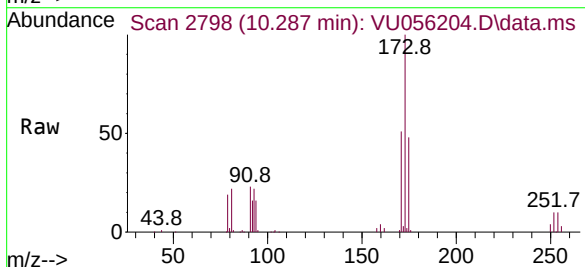
Tgt Ion:173 Resp: 65668

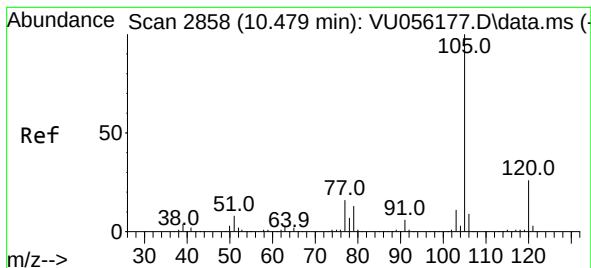
Ion Ratio Lower Upper

173 100

175 47.0 39.0 58.4

254 9.9 8.2 12.2





#60

Isopropylbenzene

Concen: 4.580 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

ClientSampleId :

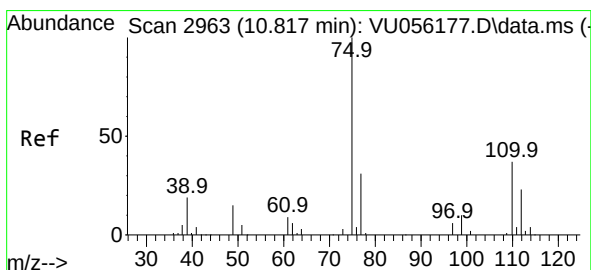
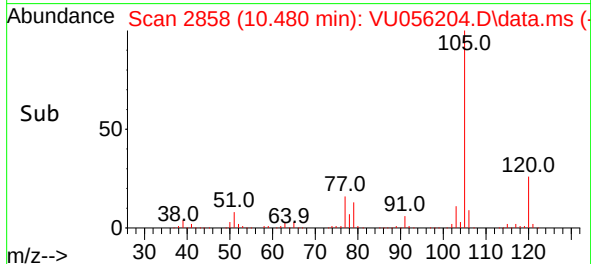
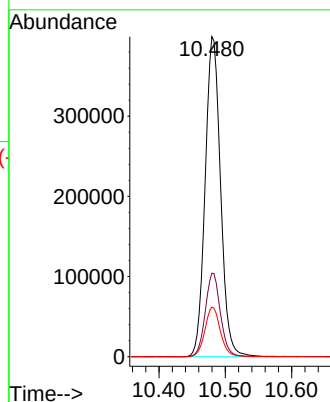
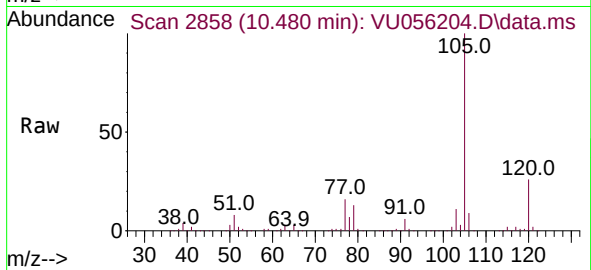
Tgt Ion:105 Resp: 644291

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

77 15.5 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.326 ug/L

RT: 10.821 min Scan# 2964

Delta R.T. 0.004 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

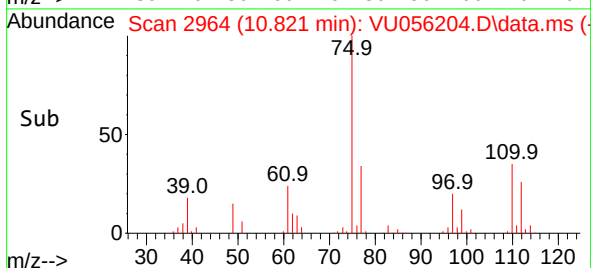
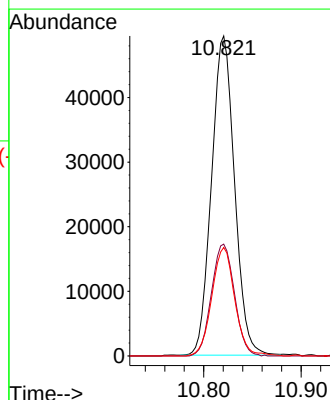
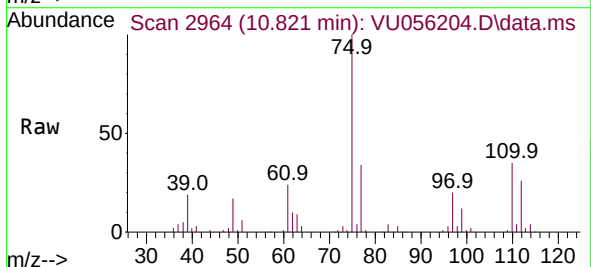
Tgt Ion: 75 Resp: 81029

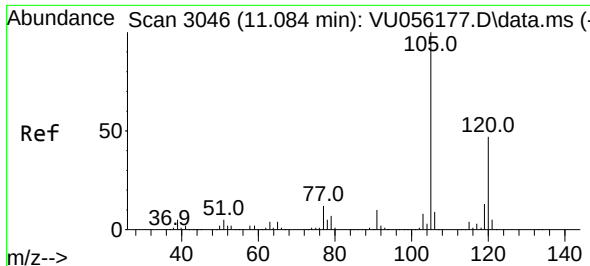
Ion Ratio Lower Upper

75 100

110 35.0 29.7 44.5

77 34.0 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.513 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

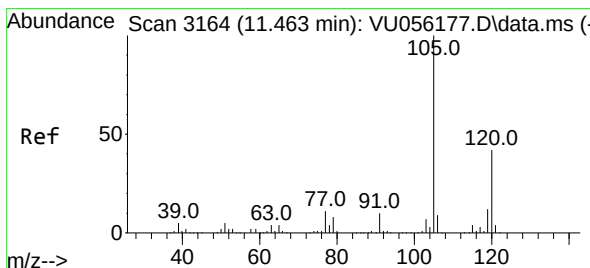
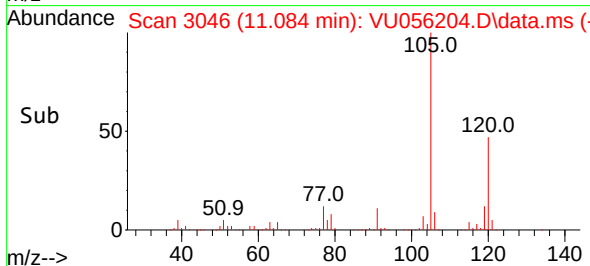
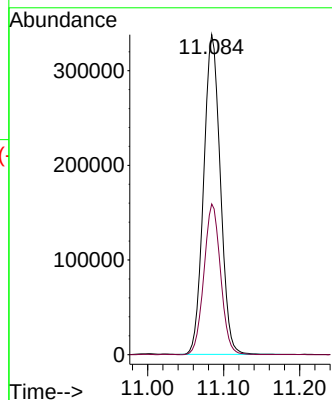
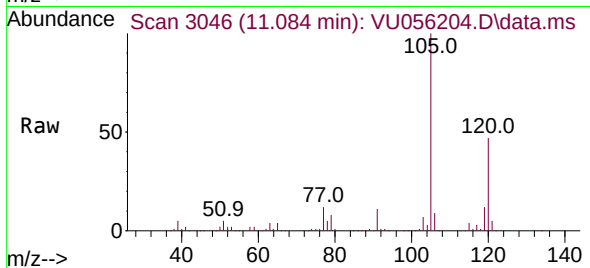
ClientSampleId :

Tgt Ion:105 Resp: 514874

Ion Ratio Lower Upper

105 100

120 47.1 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.641 ug/L

RT: 11.464 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056204.D

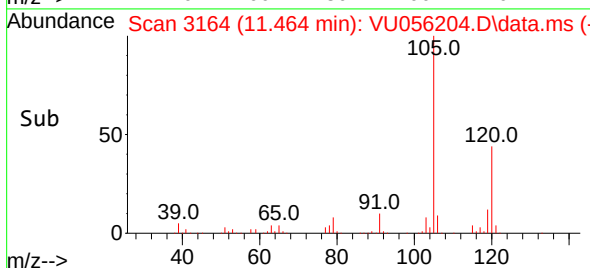
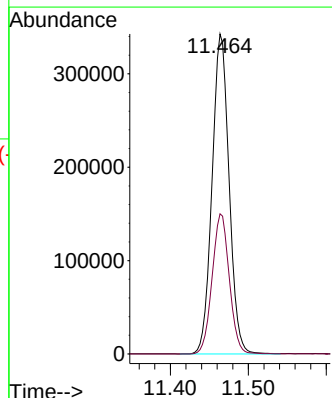
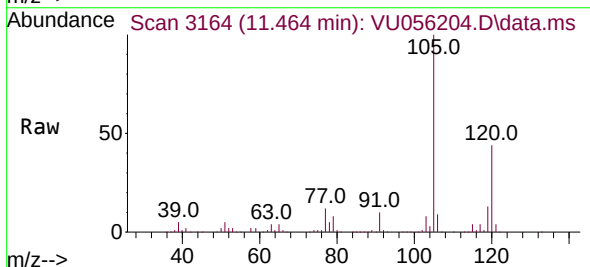
Acq: 11 Nov 2023 09:26

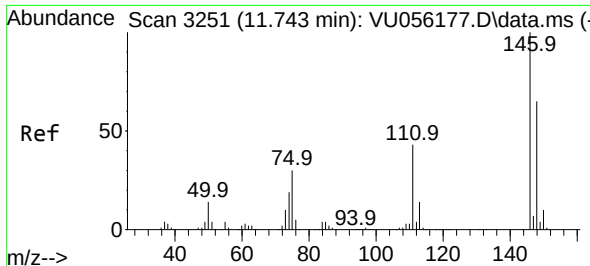
Tgt Ion:105 Resp: 519405

Ion Ratio Lower Upper

105 100

120 44.3 35.4 53.0

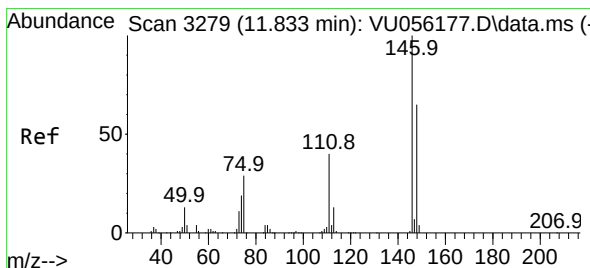
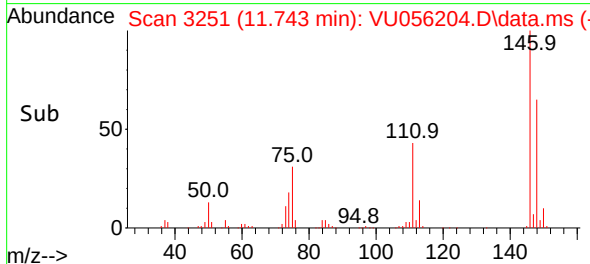
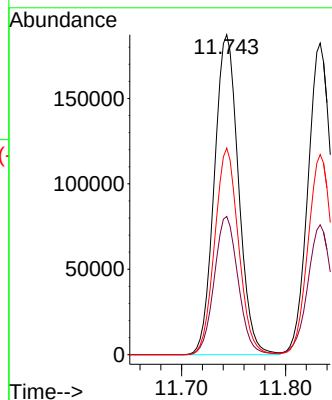
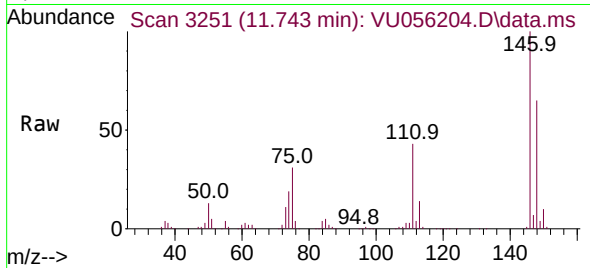




#64
1,3-Dichlorobenzene
Concen: 4.550 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

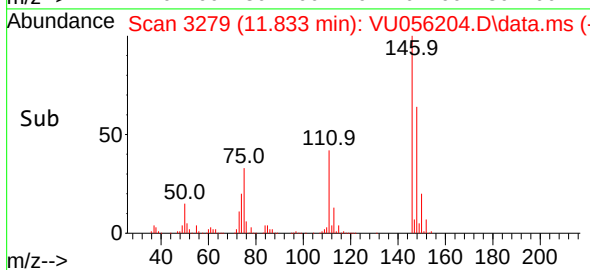
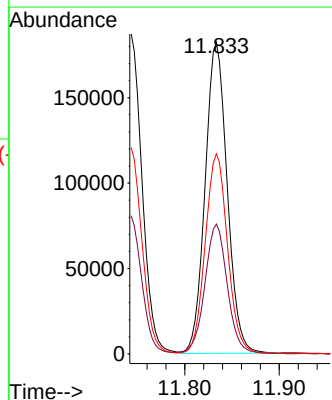
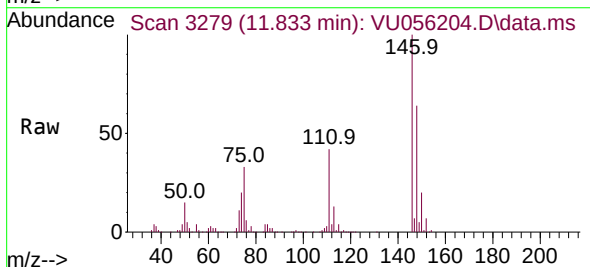
Instrument :
MSVOA_U
ClientSampleId :

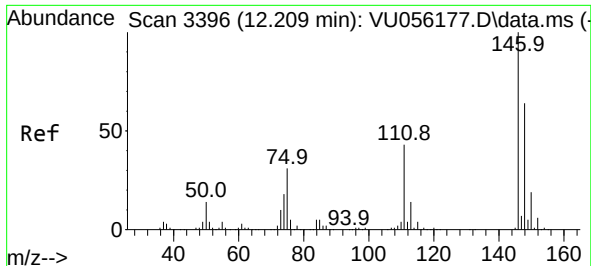
Tgt Ion:146 Resp: 303173
Ion Ratio Lower Upper
146 100
111 43.2 29.7 55.1
148 64.5 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 4.480 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056204.D
Acq: 11 Nov 2023 09:26

Tgt Ion:146 Resp: 295153
Ion Ratio Lower Upper
146 100
111 41.7 29.0 53.8
148 64.3 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 4.480 ug/L

RT: 12.210 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

ClientSampleId :

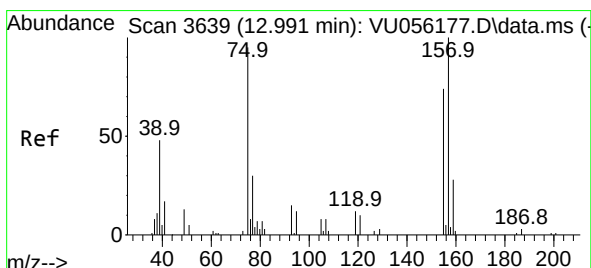
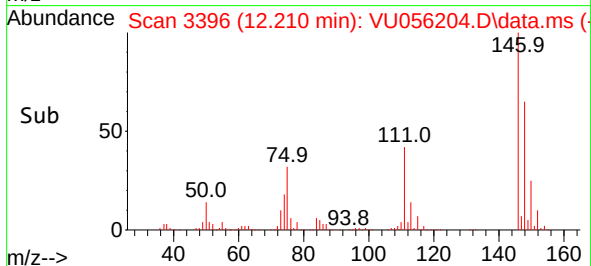
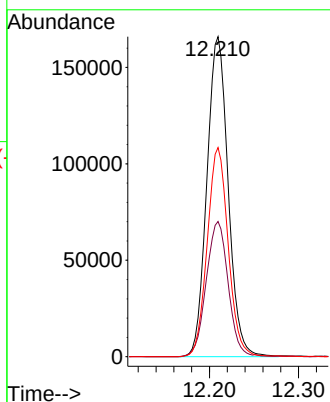
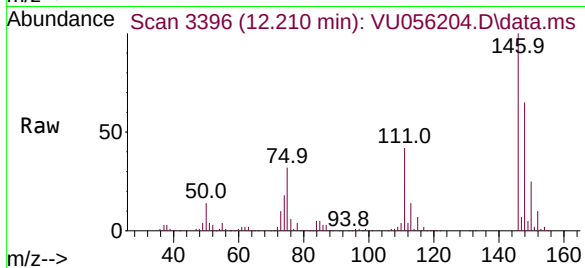
Tgt Ion:146 Resp: 275074

Ion Ratio Lower Upper

146 100

111 42.3 35.2 52.8

148 65.3 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.001 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.004 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

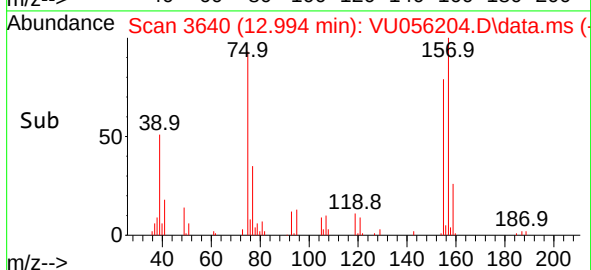
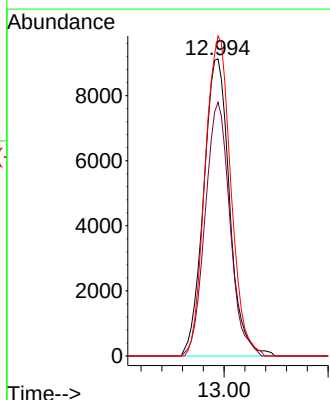
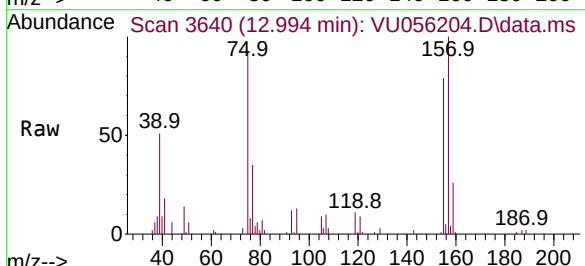
Tgt Ion: 75 Resp: 15808

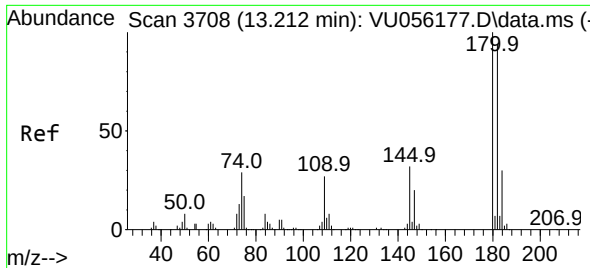
Ion Ratio Lower Upper

75 100

155 85.4 63.3 94.9

157 107.7 79.1 118.7

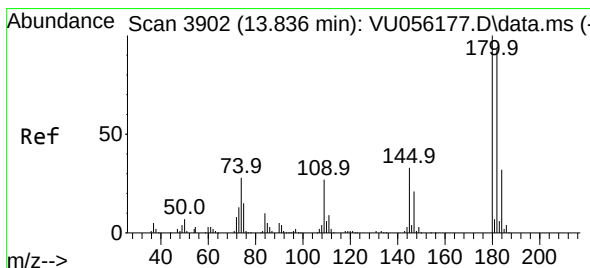
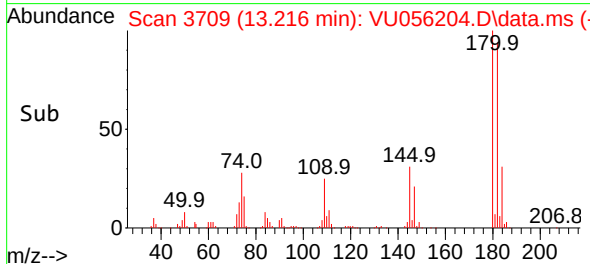
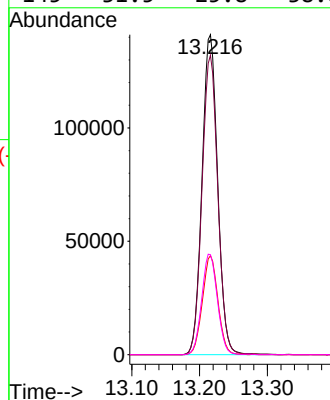
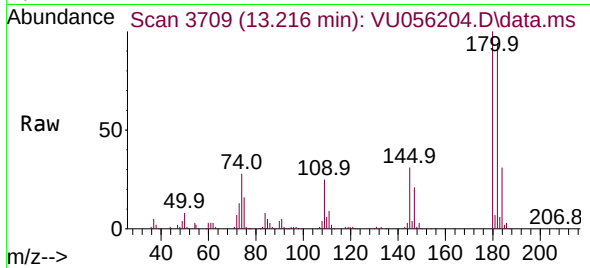




#69
 1,3,5-Trichlorobenzene
 Concen: 4.528 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: VU056204.D
 Acq: 11 Nov 2023 09:26

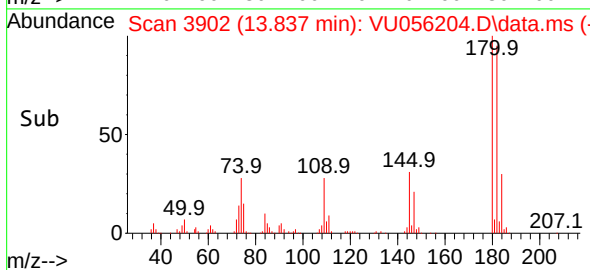
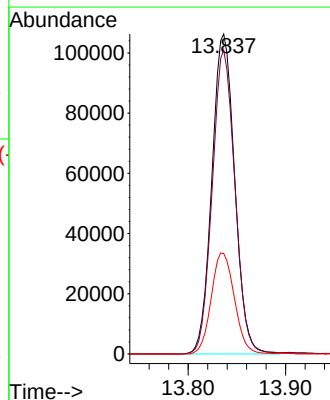
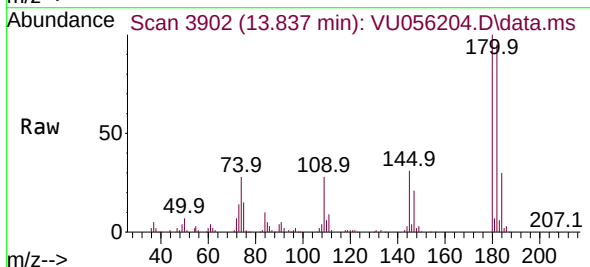
Instrument :
 MSVOA_U
 ClientSampleId :

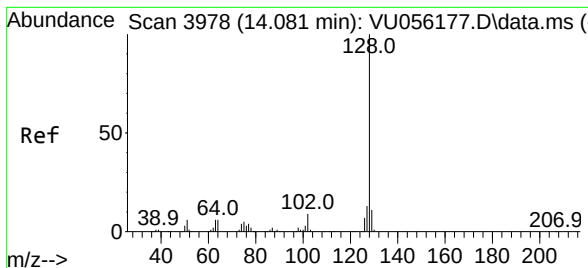
Tgt Ion:180 Resp: 225956
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.0 114.0
 184 30.7 24.0 36.0
 145 31.5 25.8 38.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.361 ug/L
 RT: 13.837 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU056204.D
 Acq: 11 Nov 2023 09:26

Tgt Ion:180 Resp: 172664
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.4 116.2
 145 32.1 25.9 38.9





#71

Naphthalene

Concen: 3.920 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.004 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Instrument :

MSVOA_U

ClientSampleId :

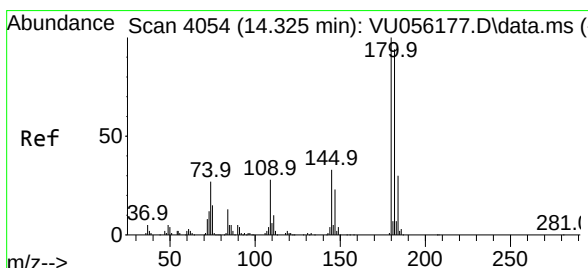
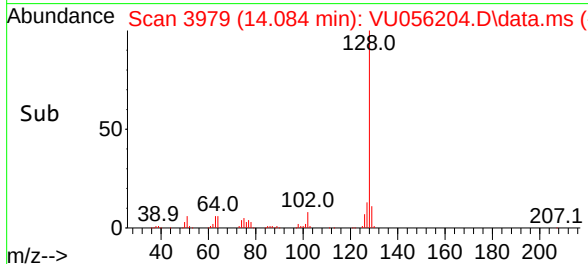
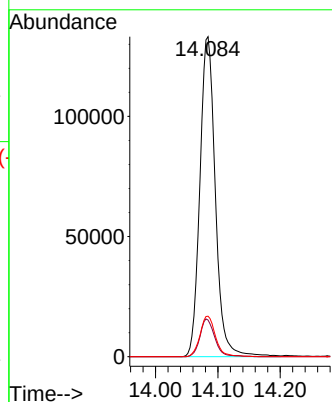
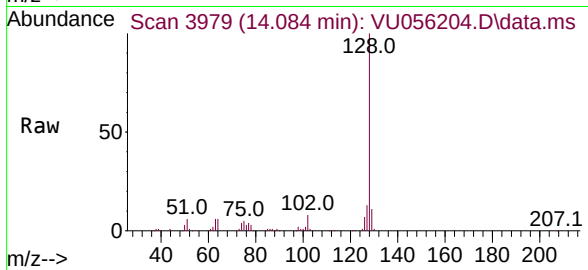
Tgt Ion:128 Resp: 230155

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

127 12.7 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 4.158 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056204.D

Acq: 11 Nov 2023 09:26

Tgt Ion:180 Resp: 144309

Ion Ratio Lower Upper

180 100

182 94.9 76.6 115.0

145 34.9 28.0 42.0

