

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031224\
 Data File : VU058069.D
 Acq On : 12 Mar 2024 18:52
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 02:04:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 13 01:58:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	138313	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	133365	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	67010	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	32316	3.247	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.000%
7) Chloroethane-d5	1.904	69	32458	3.968	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.560	65	15918	3.696	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	4.608	46	92525	56.429	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.860%
24) Chloroform-d	5.052	84	90529	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
26) 1,2-Dichloroethane-d4	5.692	65	41788	4.900	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.718	84	164405	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.682	67	52406	4.435	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.891	98	145009	4.118	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
43) trans-1,3-Dichloroprop...	8.174	79	17099	4.208	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.624	63	78888	57.830	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.660%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	38493	5.313	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	51207	4.640	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.377	85	39639	4.730	ug/L 99
3) Chloromethane	1.515	50	46943	4.790	ug/L 98
5) Vinyl chloride	1.599	62	52029	4.936	ug/L 98
6) Bromomethane	1.850	94	27759	5.000	ug/L 99
8) Chloroethane	1.927	64	34270	5.163	ug/L 95
9) Trichlorofluoromethane	2.133	101	77305	5.148	ug/L 100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	48197	5.134	ug/L 100
12) 1,1-Dichloroethene	2.573	96	43700	5.236	ug/L 80
13) Acetone	2.612	43	62966	51.602	ug/L 100
14) Carbon disulfide	2.785	76	118029	4.574	ug/L 99
15) Methyl Acetate	2.943	43	14594	5.389	ug/L 97
16) Methylene chloride	3.036	84	50066	4.936	ug/L 98
17) Methyl tert-butyl Ether	3.351	73	103579	5.248	ug/L 99
18) trans-1,2-Dichloroethene	3.345	96	45964	5.056	ug/L 95
19) 1,1-Dichloroethane	3.859	63	97323	5.367	ug/L 99
21) 2-Butanone	4.689	43	100277	52.154	ug/L 98
22) cis-1,2-Dichloroethene	4.657	96	52998	5.300	ug/L 97
23) Bromochloromethane	4.965	128	20791	5.599	ug/L 97
25) Chloroform	5.078	83	99835	5.393	ug/L 98

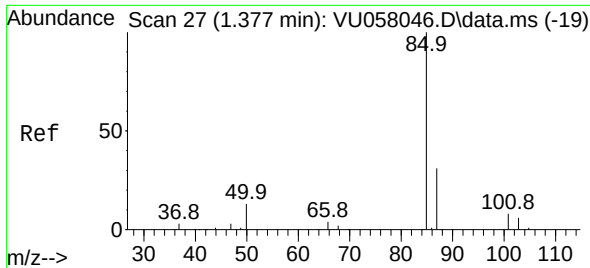
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031224\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	56535	5.516	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	82633	5.206	ug/L	100
30) Cyclohexane	5.380	56	75023	4.681	ug/L	100
31) Carbon tetrachloride	5.515	117	69399	5.031	ug/L	98
33) Benzene	5.766	78	209379	5.116	ug/L	100
34) Trichloroethene	6.534	95	55490	5.153	ug/L	96
35) Methylcyclohexane	6.756	83	77063	4.669	ug/L	99
37) 1,2-Dichloropropane	6.782	63	55408	5.251	ug/L #	97
38) Bromodichloromethane	7.097	83	66038	5.158	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	72845	5.010	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	259406	53.436	ug/L	99
42) Toluene	7.962	91	220745	5.180	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	56708	4.894	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	34138	5.456	ug/L	97
47) Tetrachloroethene	8.547	164	37938	5.078	ug/L	99
48) 2-Hexanone	8.676	43	183228	51.467	ug/L	99
49) Dibromochloromethane	8.801	129	39305	5.307	ug/L	100
50) 1,2-Dibromoethane	8.917	107	30269	5.451	ug/L	99
51) Chlorobenzene	9.441	112	137543	5.146	ug/L	98
52) Ethylbenzene	9.563	91	243023	5.096	ug/L	100
53) m,p-Xylene	9.689	106	87815	5.154	ug/L	99
54) o-Xylene	10.094	106	86033	5.066	ug/L	98
55) Styrene	10.110	104	140756	5.281	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	39285	5.330	ug/L	97
59) Bromoform	10.283	173	19521	5.223	ug/L	97
60) Isopropylbenzene	10.476	105	223796	5.015	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	29178	5.316	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	186371	4.951	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	186498	5.020	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	103010	5.078	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	100197	5.046	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	93686	5.290	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	5480	5.032	ug/L	99
69) 1,3,5-Trichlorobenzene	13.213	180	70664	4.843	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	53416	4.872	ug/L	97
71) Naphthalene	14.084	128	65668	4.386	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	41676	4.812	ug/L	99

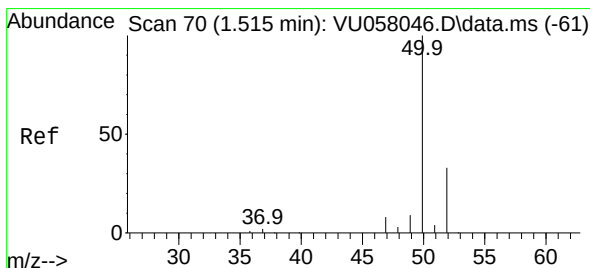
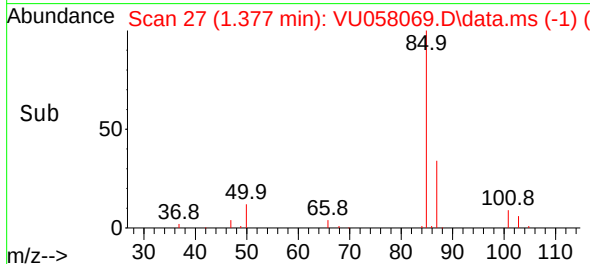
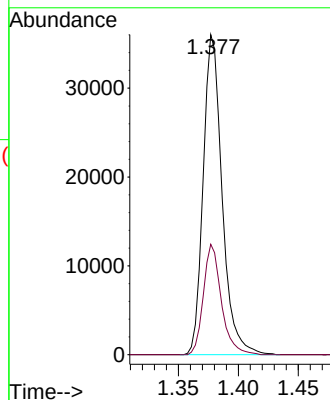
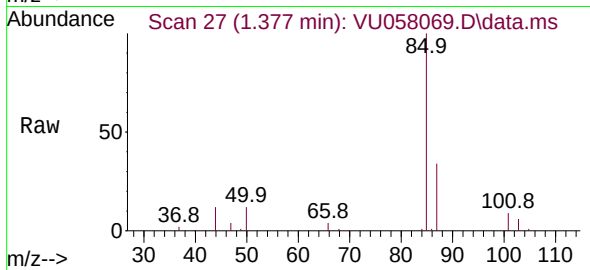
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.730 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058069.D
 Acq: 12 Mar 2024 18:52

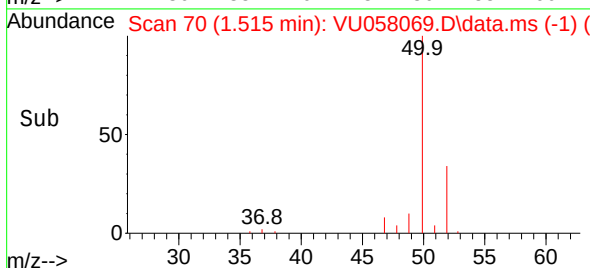
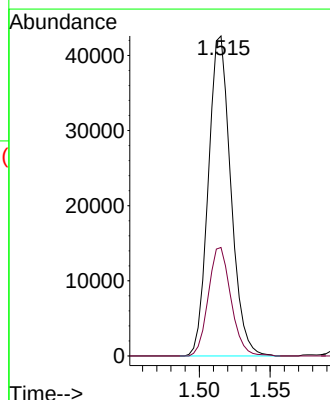
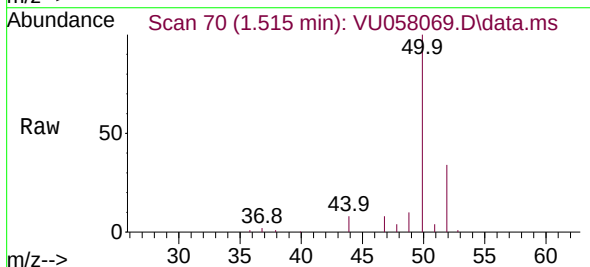
Instrument :
 MSVOA_U
 ClientSampleId :

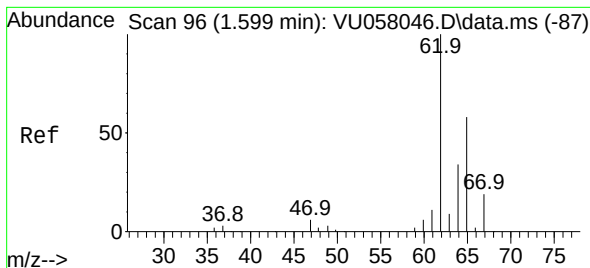
Tgt Ion: 85 Resp: 39639
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.6



#3
 Chloromethane
 Concen: 4.790 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU058069.D
 Acq: 12 Mar 2024 18:52

Tgt Ion: 50 Resp: 46943
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.1 42.9





#5

Vinyl chloride

Concen: 4.936 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

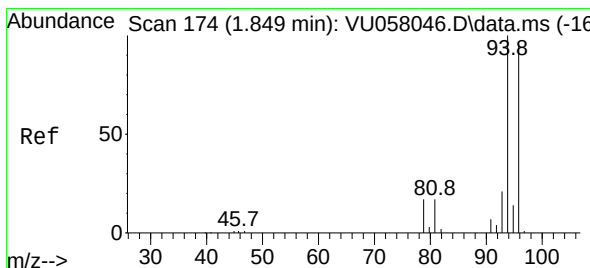
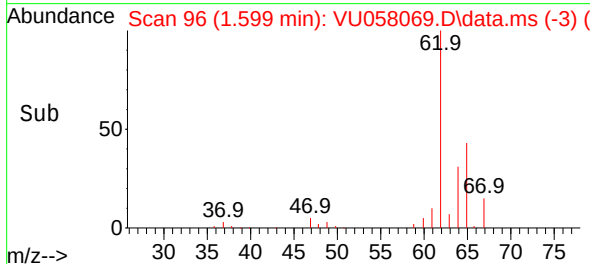
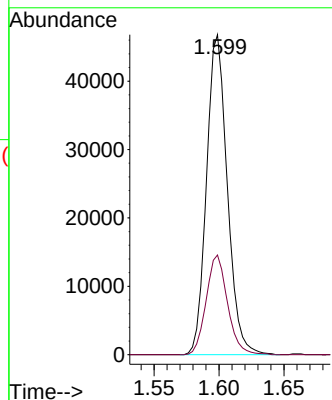
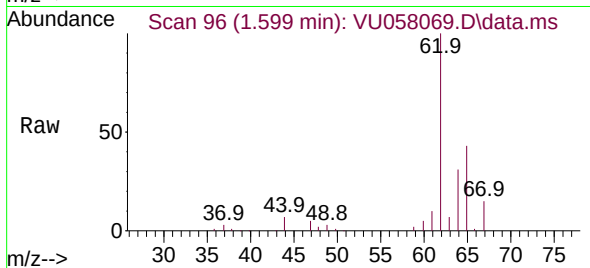
ClientSampleId :

Tgt Ion: 62 Resp: 52029

Ion Ratio Lower Upper

62 100

64 31.1 22.5 41.7



#6

Bromomethane

Concen: 5.000 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU058069.D

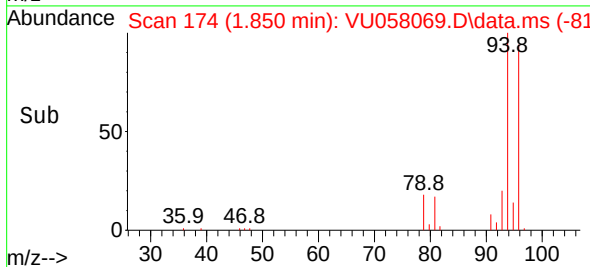
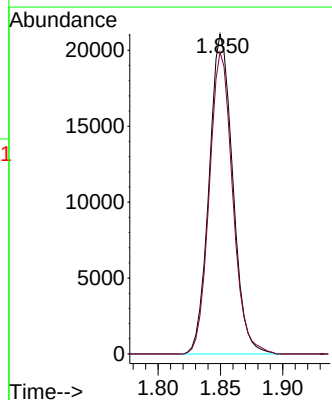
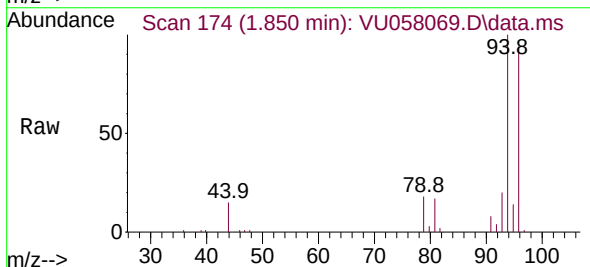
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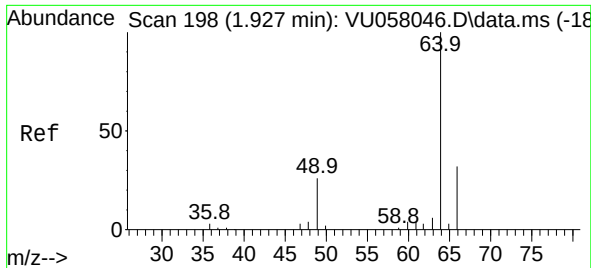
Tgt Ion: 94 Resp: 27759

Ion Ratio Lower Upper

94 100

96 94.3 65.2 121.2

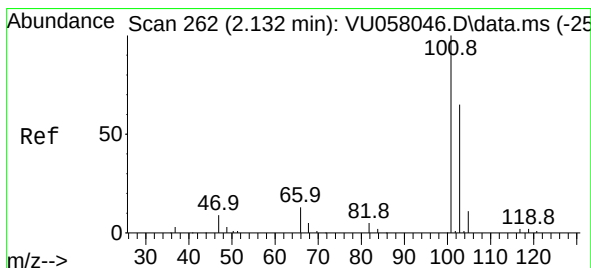
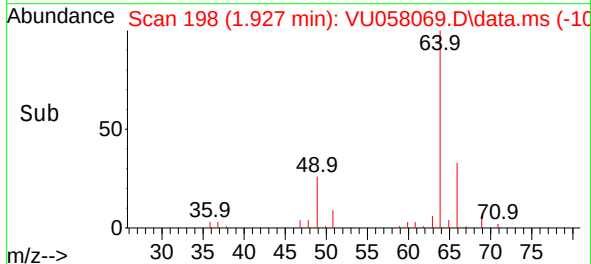
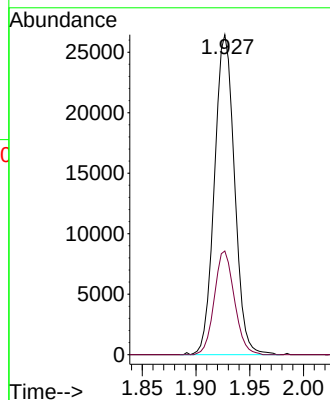
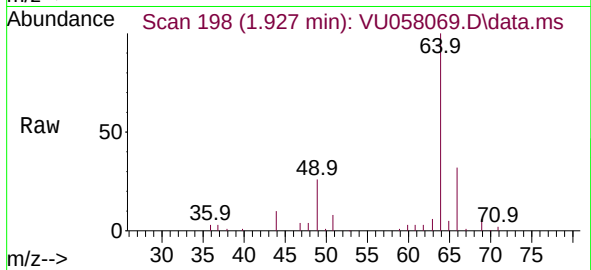




#8
Chloroethane
Concen: 5.163 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

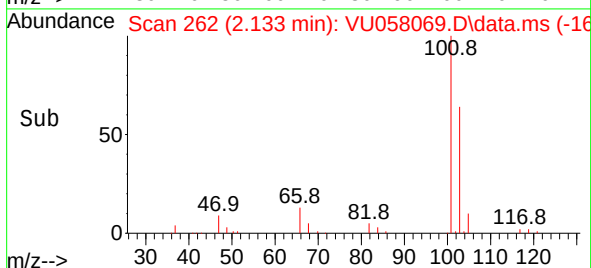
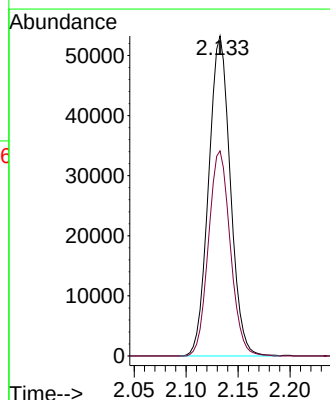
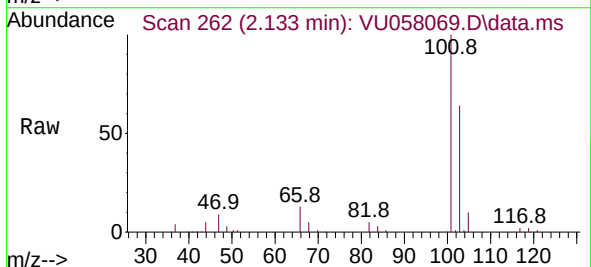
Instrument :
MSVOA_U
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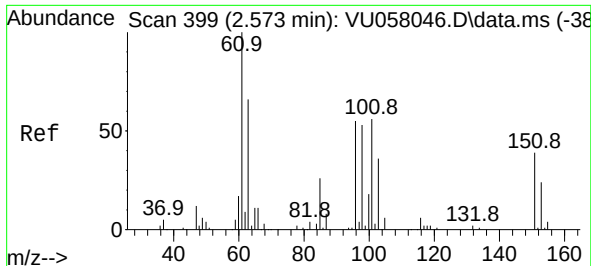
Tgt Ion: 64 Resp: 34270
Ion Ratio Lower Upper
64 100
66 32.4 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.148 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion:101 Resp: 77305
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

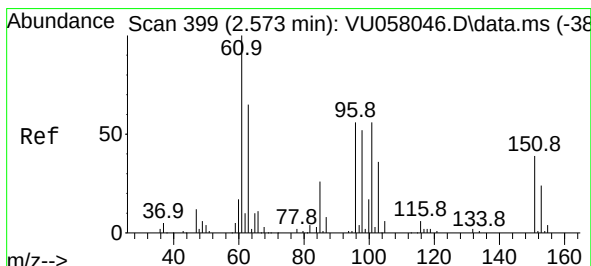
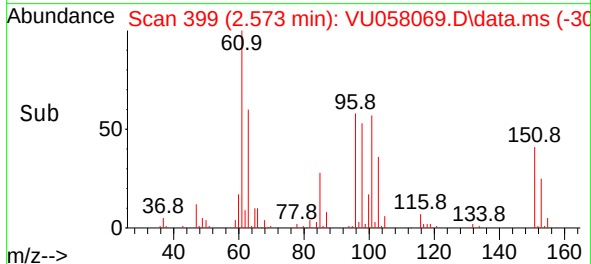
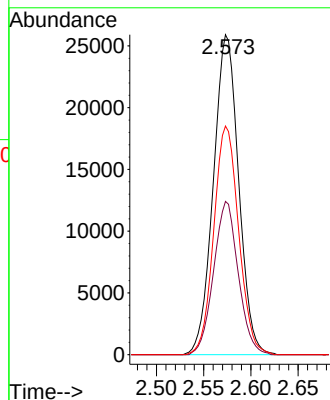
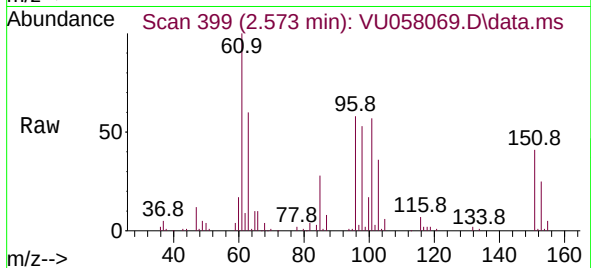




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.134 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

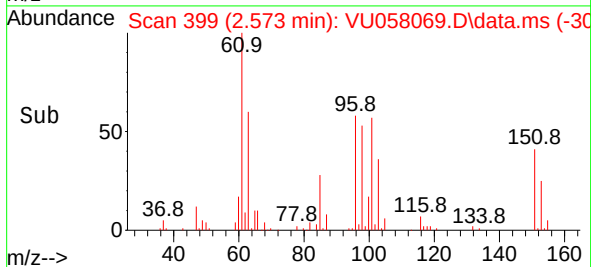
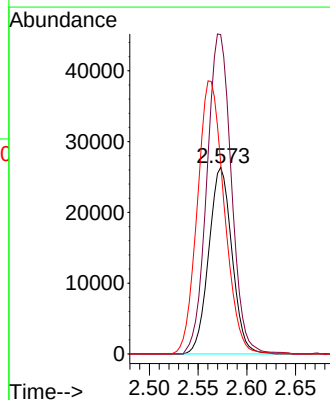
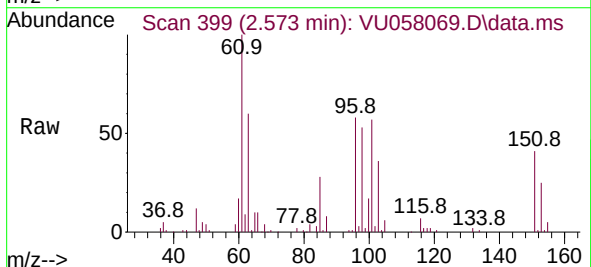
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ClientSampleId :

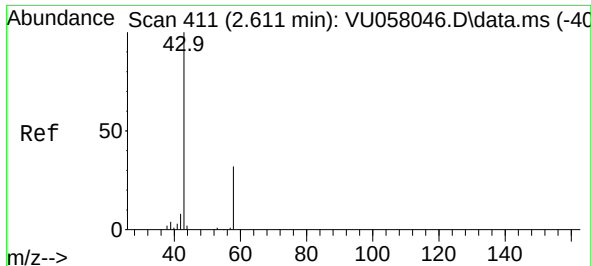
Tgt Ion:101 Resp: 48197
Ion Ratio Lower Upper
101 100
85 46.7 37.3 55.9
151 70.4 56.0 84.0



#12
1,1-Dichloroethene
Concen: 5.236 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion: 96 Resp: 43700
Ion Ratio Lower Upper
96 100
61 171.2 131.8 244.8
63 102.6 98.1 182.1





#13

Acetone

Concen: 51.602 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

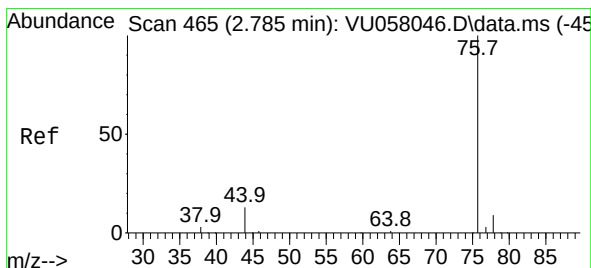
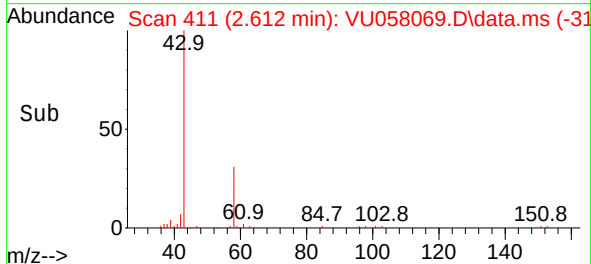
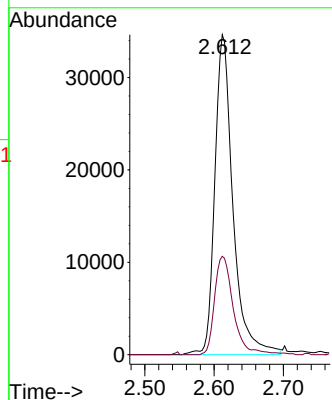
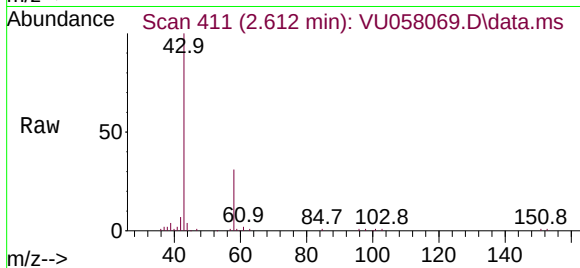
ClientSampleId :

Tgt Ion: 43 Resp: 62966

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.6



#14

Carbon disulfide

Concen: 4.574 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058069.D

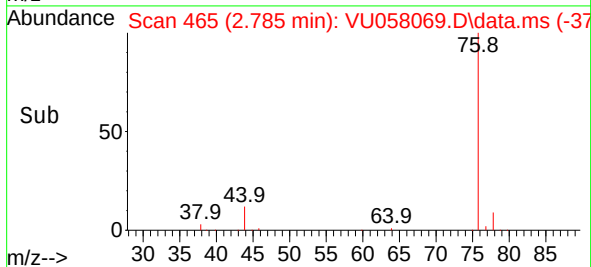
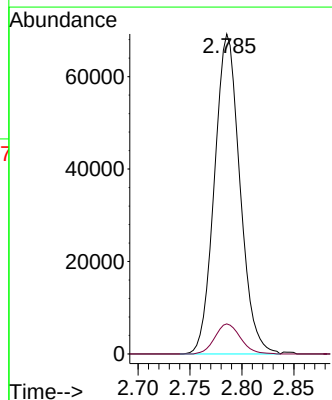
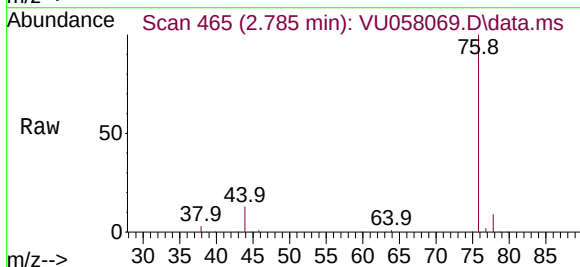
Acq: 12 Mar 2024 18:52

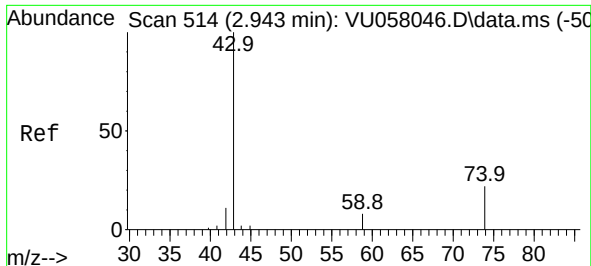
Tgt Ion: 76 Resp: 118029

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methyl Acetate

Concen: 5.389 ug/L

RT: 2.943 min Scan# 514

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

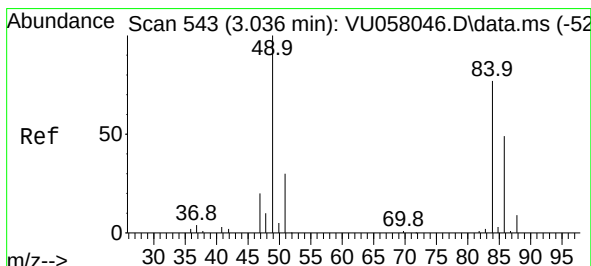
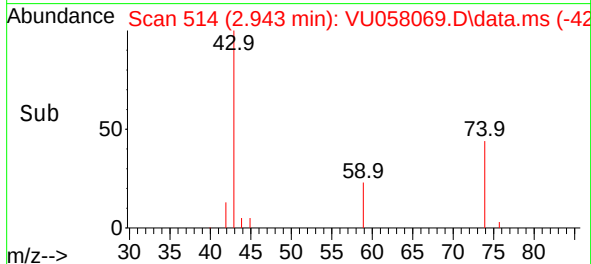
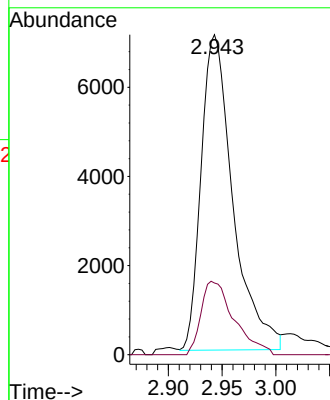
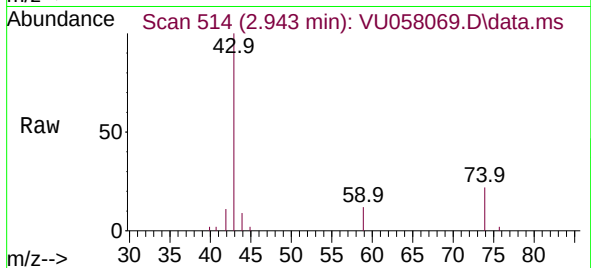
ClientSampleId :

Tgt Ion: 43 Resp: 14594

Ion Ratio Lower Upper

43 100

74 24.1 20.6 31.0



#16

Methylene chloride

Concen: 4.936 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

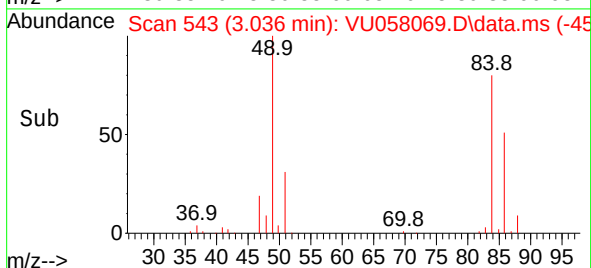
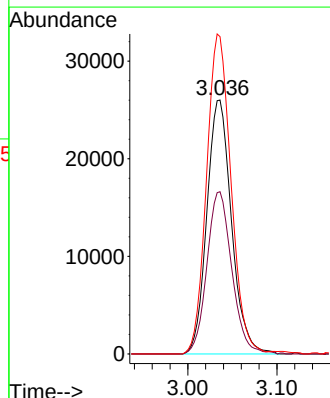
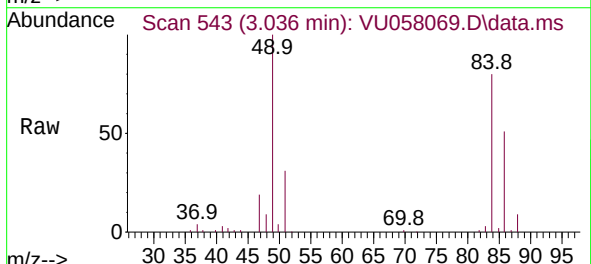
Tgt Ion: 84 Resp: 50066

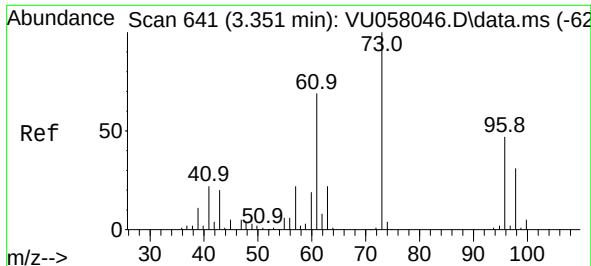
Ion Ratio Lower Upper

84 100

86 63.9 44.4 82.4

49 130.4 88.8 165.0

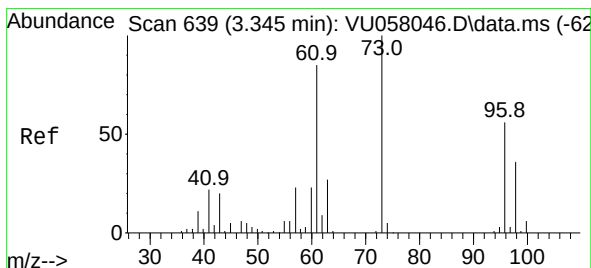
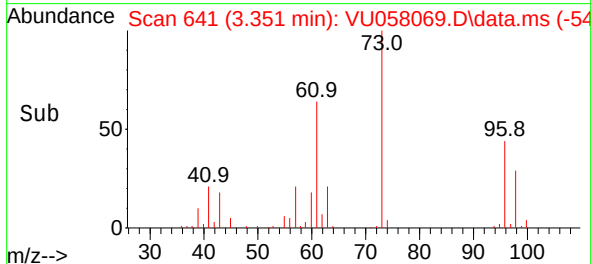
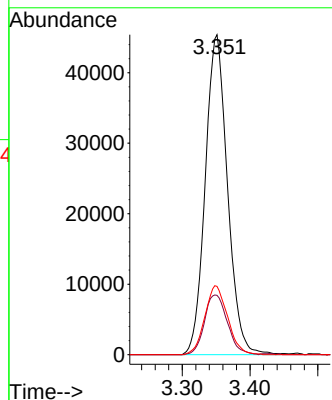
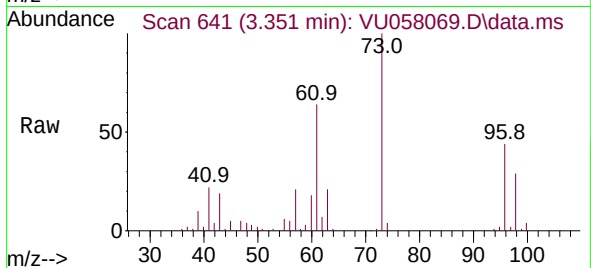




#17
Methyl tert-butyl Ether
Concen: 5.248 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

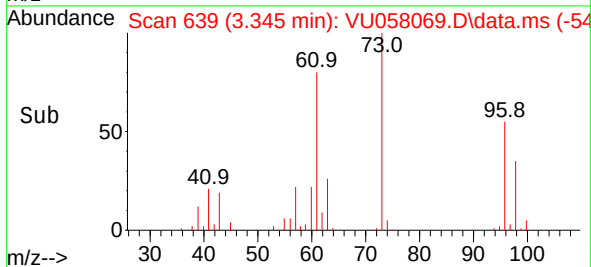
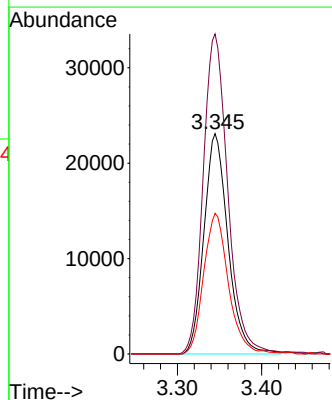
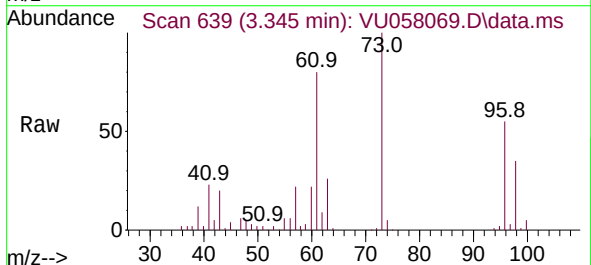
Instrument :
MSVOA_U
ClientSampleId :

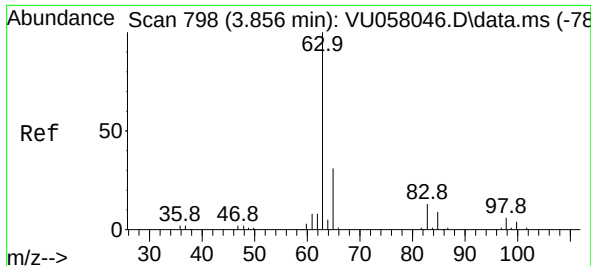
Tgt Ion: 73 Resp: 103579
Ion Ratio Lower Upper
73 100
43 19.3 16.2 24.4
57 22.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.056 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion: 96 Resp: 45964
Ion Ratio Lower Upper
96 100
61 145.2 107.7 199.9
98 63.8 45.8 85.0





#19

1,1-Dichloroethane

Concen: 5.367 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

ClientSampleId :

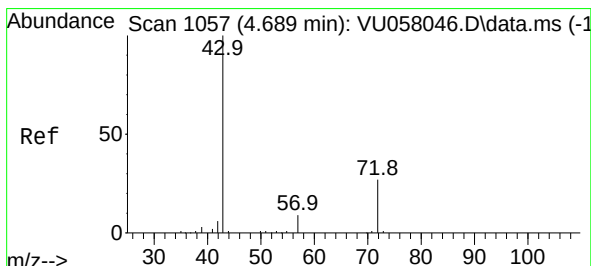
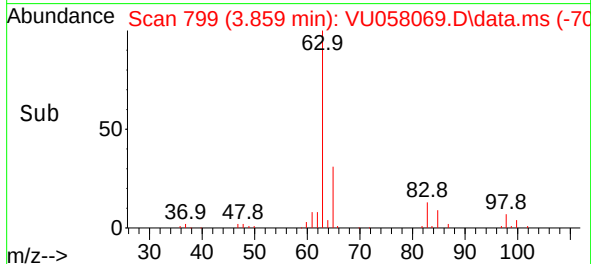
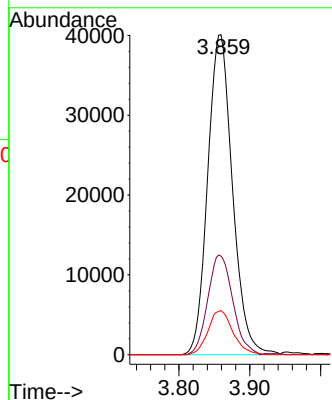
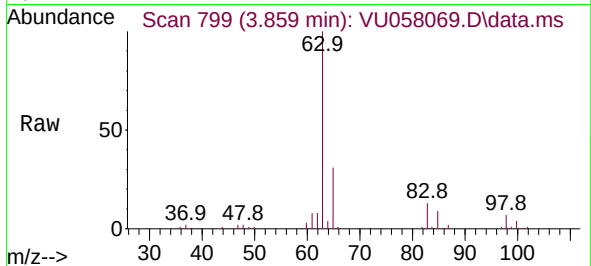
Tgt Ion: 63 Resp: 97323

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 13.8 9.0 16.6



#21

2-Butanone

Concen: 52.154 ug/L

RT: 4.689 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VU058069.D

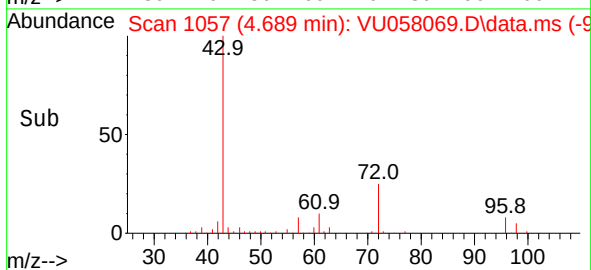
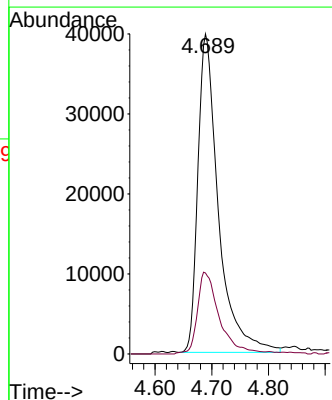
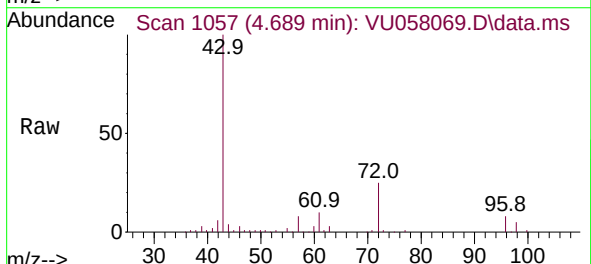
Acq: 12 Mar 2024 18:52

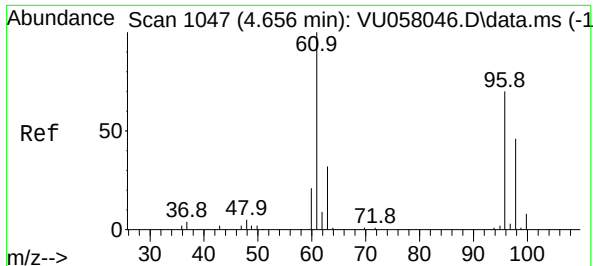
Tgt Ion: 43 Resp: 100277

Ion Ratio Lower Upper

43 100

72 27.2 13.0 39.0

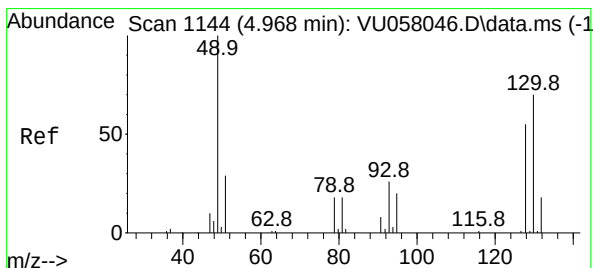
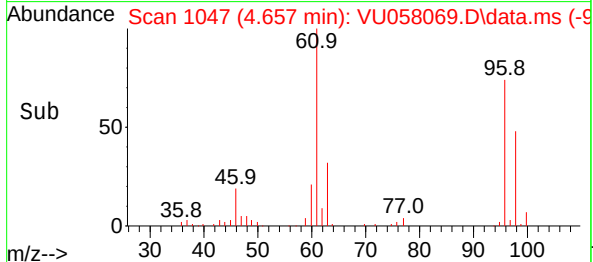
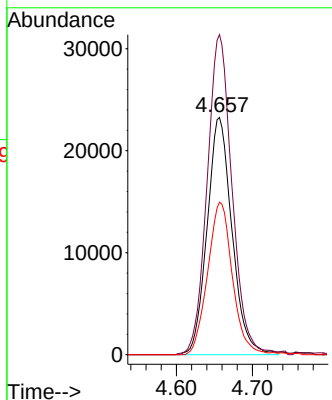
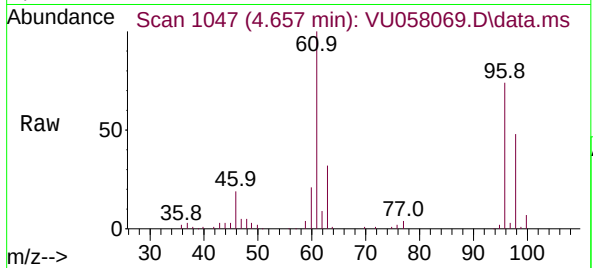




#22
cis-1,2-Dichloroethene
Concen: 5.300 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

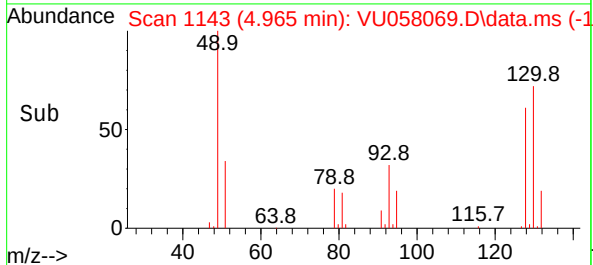
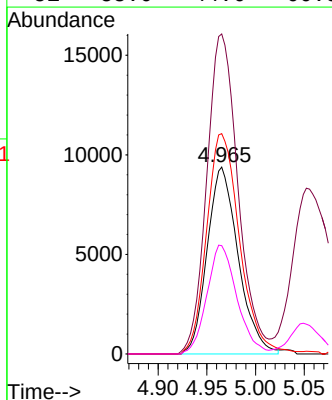
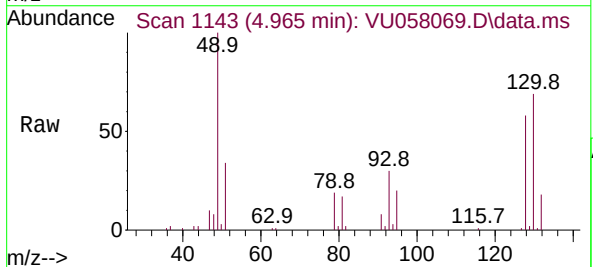
Instrument :
MSVOA_U
ClientSampleId :

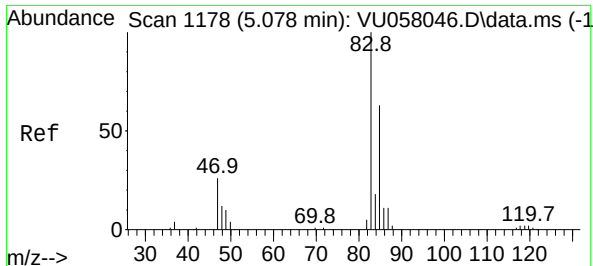
Tgt Ion: 96 Resp: 52998
Ion Ratio Lower Upper
96 100
61 134.8 97.2 180.4
98 64.2 45.5 84.5



#23
Bromochloromethane
Concen: 5.599 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion:128 Resp: 20791
Ion Ratio Lower Upper
128 100
49 177.1 122.0 226.6
130 117.9 86.6 160.8
51 58.0 44.6 66.8





#25

Chloroform

Concen: 5.393 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

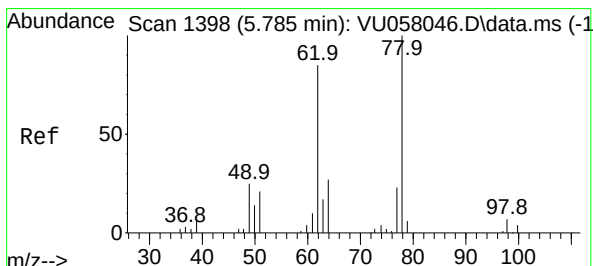
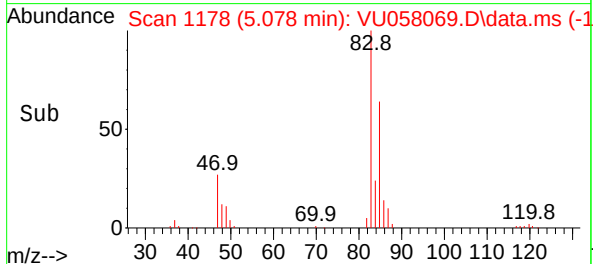
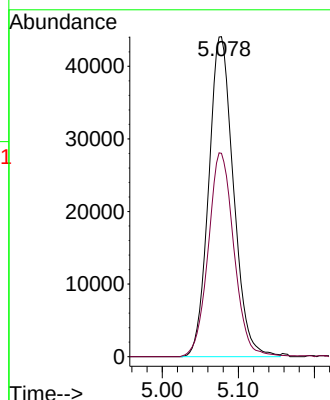
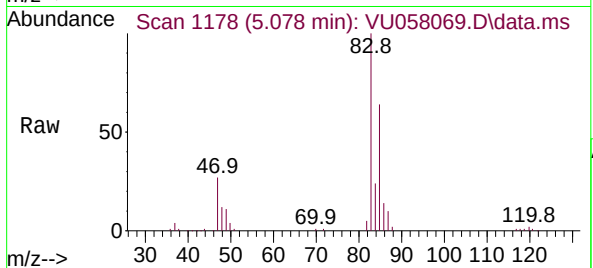
ClientSampleId :

Tgt Ion: 83 Resp: 99835

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.516 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU058069.D

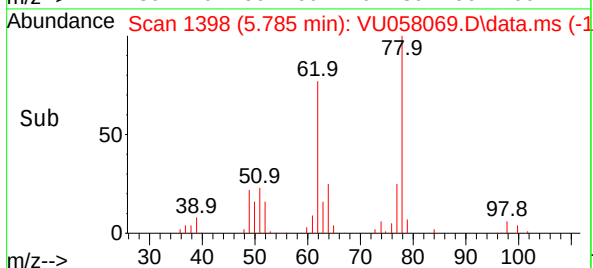
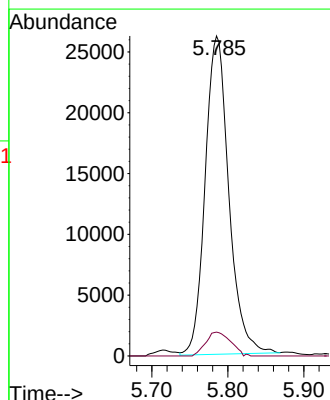
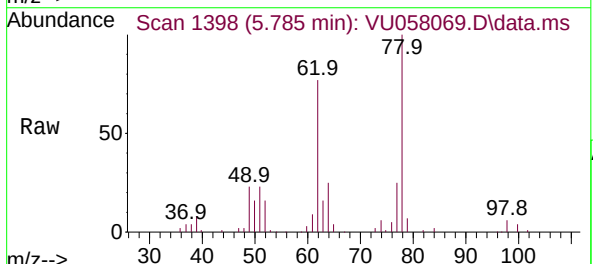
Acq: 12 Mar 2024 18:52

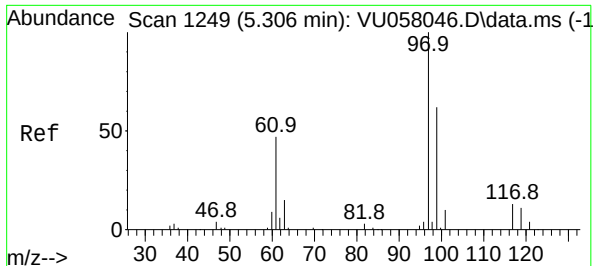
Tgt Ion: 62 Resp: 56535

Ion Ratio Lower Upper

62 100

98 7.5 7.0 10.4

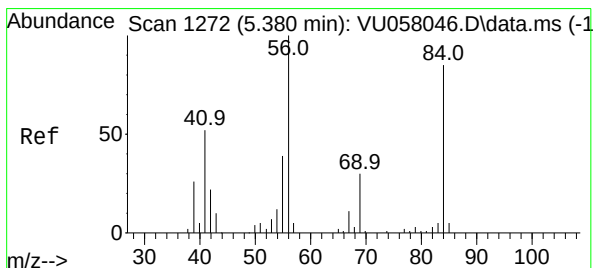
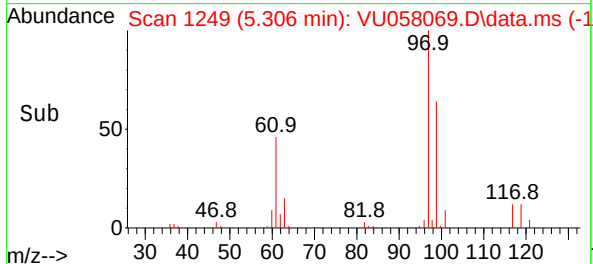
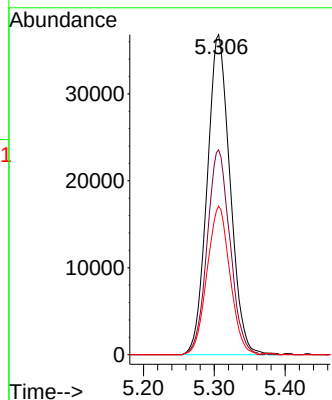
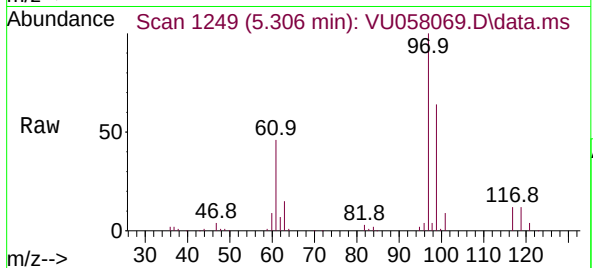




#29
1,1,1-Trichloroethane
Concen: 5.206 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

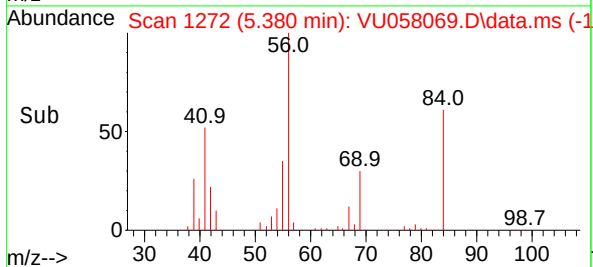
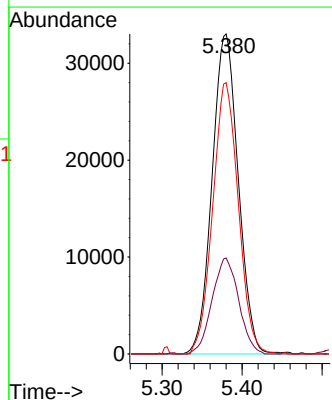
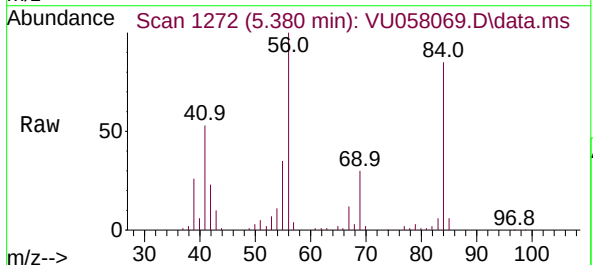
Instrument :
MSVOA_U
ClientSampleId :

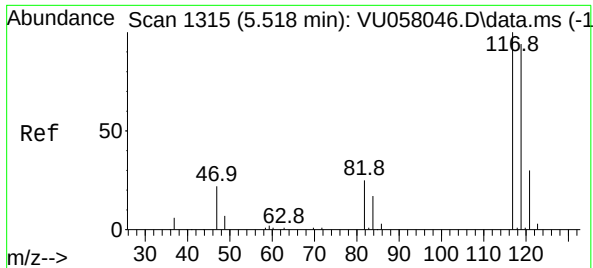
Tgt Ion: 97 Resp: 82633
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 46.4 37.4 56.2



#30
Cyclohexane
Concen: 4.681 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion: 56 Resp: 75023
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.2
84 83.0 66.6 99.8

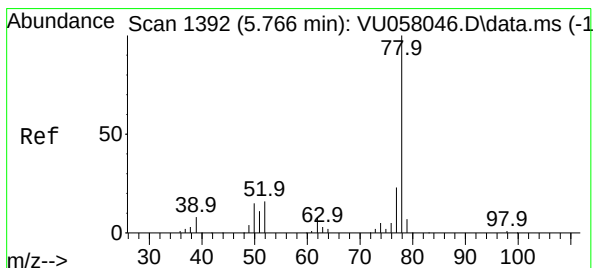
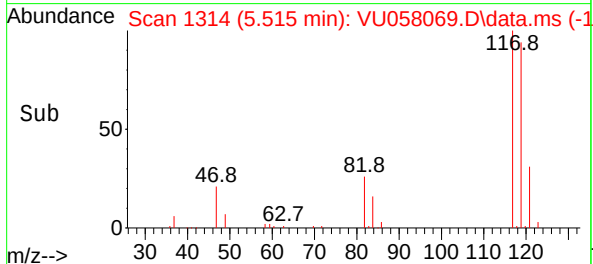
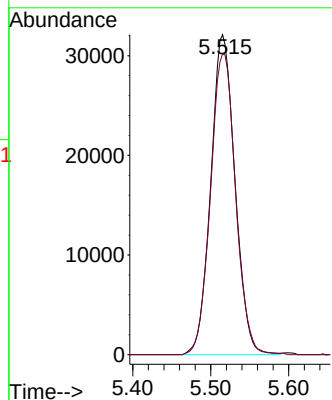
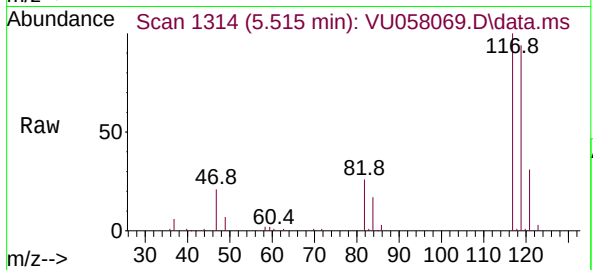




#31
Carbon tetrachloride
Concen: 5.031 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

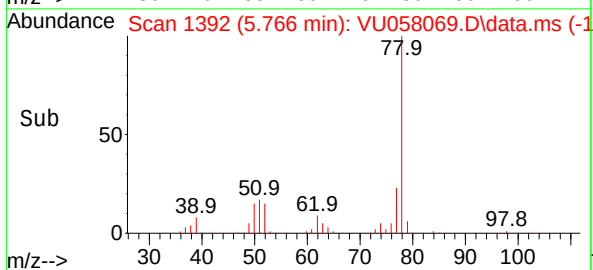
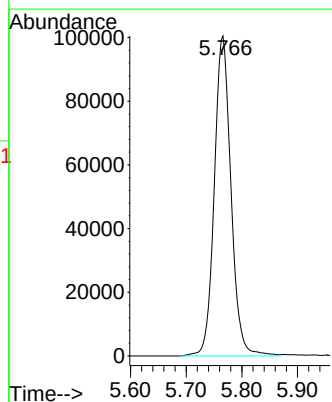
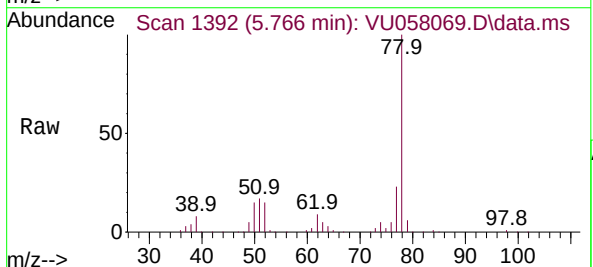
Instrument :
MSVOA_U
ClientSampleId :

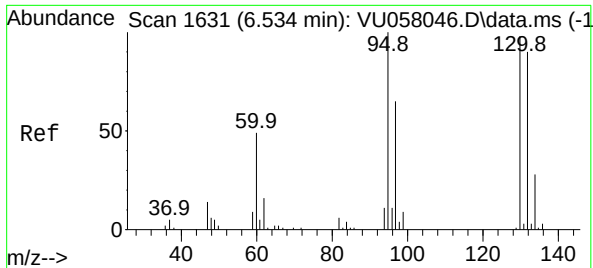
Tgt Ion:117 Resp: 69399
Ion Ratio Lower Upper
117 100
119 97.1 75.8 113.8



#33
Benzene
Concen: 5.116 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

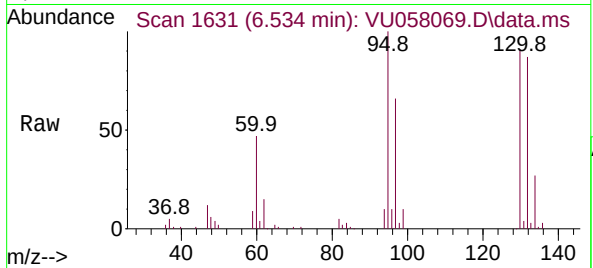
Tgt Ion: 78 Resp: 209379



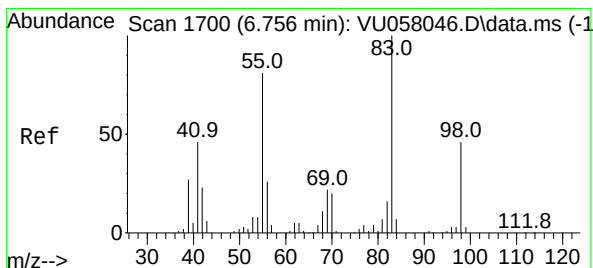
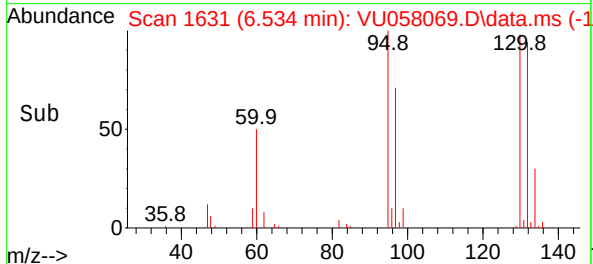
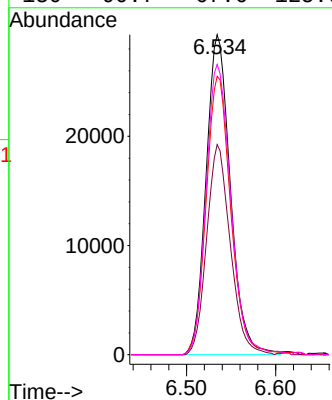


#34
Trichloroethene
Concen: 5.153 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Instrument :
MSVOA_U
ClientSampleId :

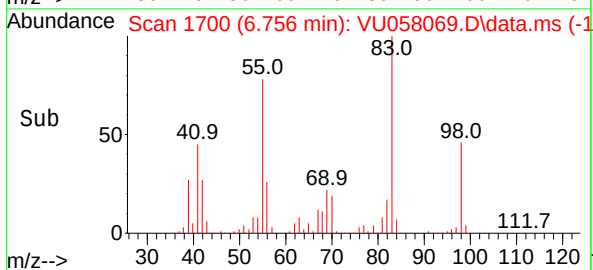
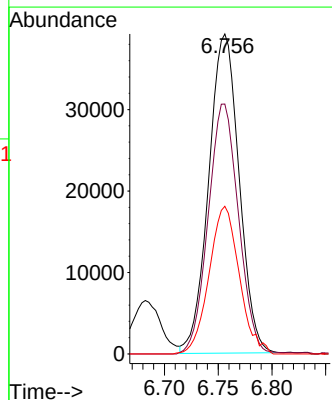
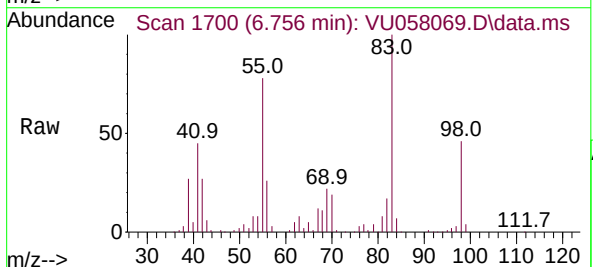


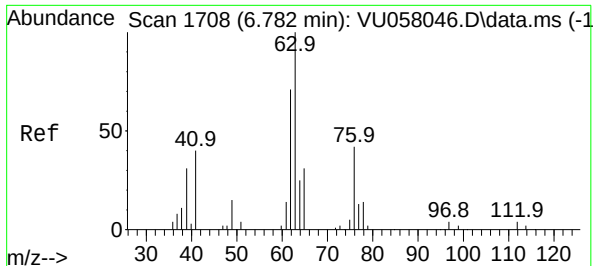
Tgt Ion: 95 Resp: 55490
Ion Ratio Lower Upper
95 100
97 65.7 45.3 84.1
132 87.0 63.1 117.1
130 90.7 67.6 125.6



#35
Methylcyclohexane
Concen: 4.669 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion: 83 Resp: 77063
Ion Ratio Lower Upper
83 100
55 78.3 63.0 94.6
98 45.9 36.2 54.4

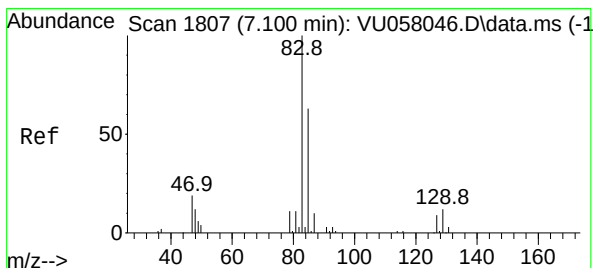
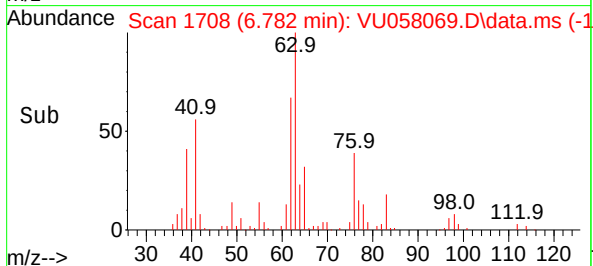
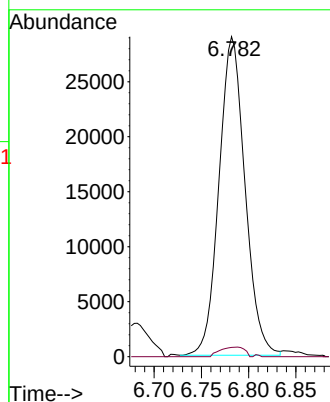
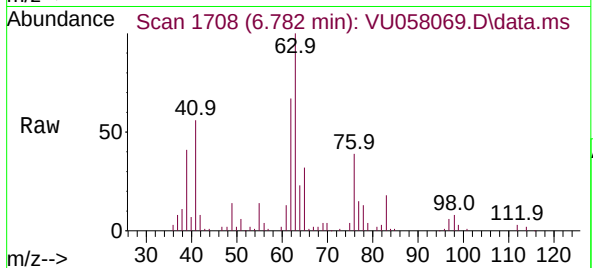




#37
1,2-Dichloropropane
Concen: 5.251 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

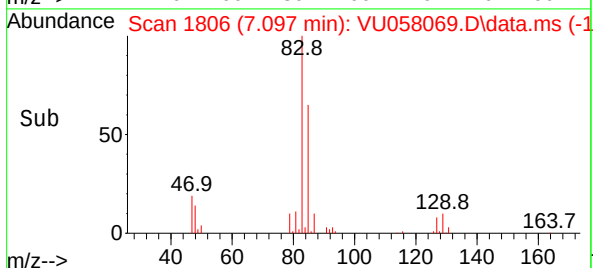
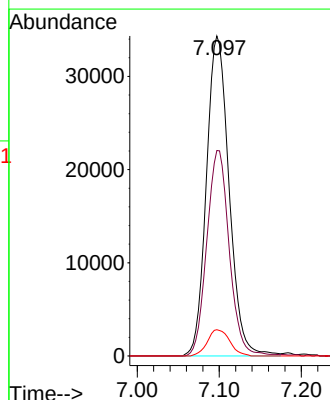
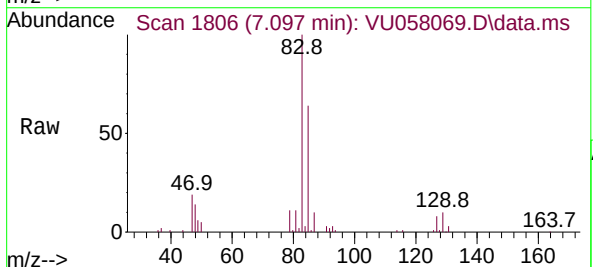
Instrument :
MSVOA_U
ClientSampleId :

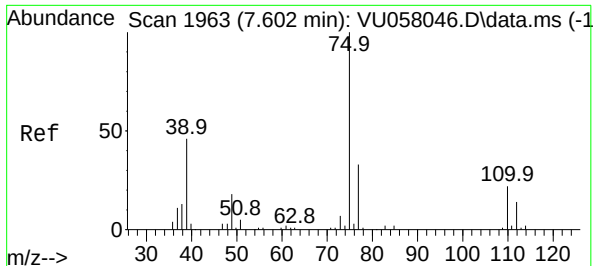
Tgt Ion: 63 Resp: 55408
Ion Ratio Lower Upper
63 100
112 2.8 3.0 4.4#



#38
Bromodichloromethane
Concen: 5.158 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion: 83 Resp: 66038
Ion Ratio Lower Upper
83 100
85 64.2 44.5 82.7
127 8.2 6.6 9.8

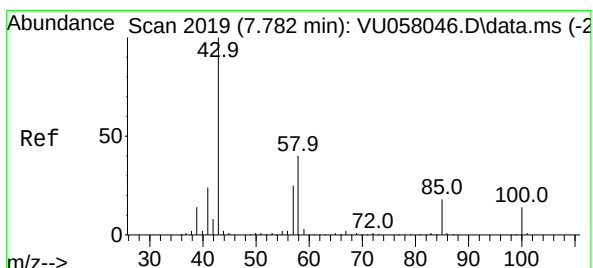
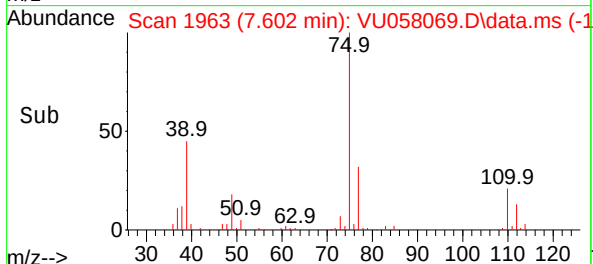
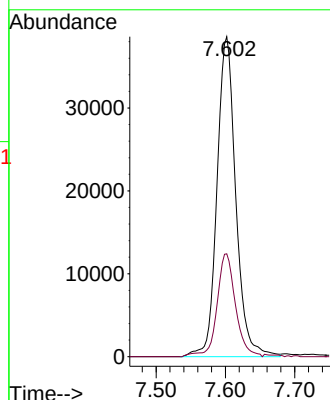
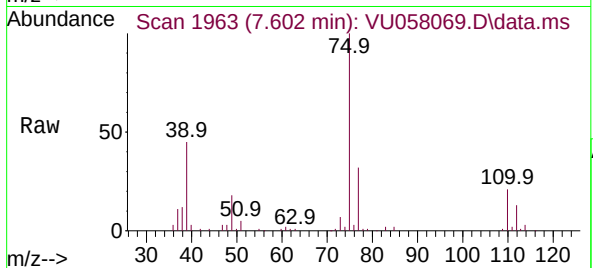




#39
 cis-1,3-Dichloropropene
 Concen: 5.010 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058069.D
 Acq: 12 Mar 2024 18:52

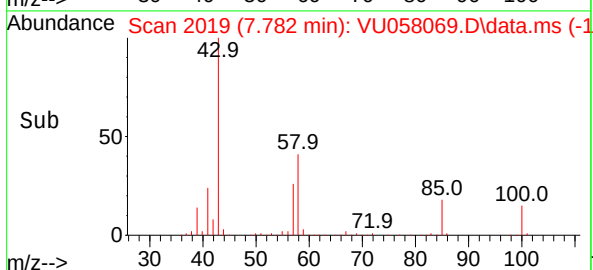
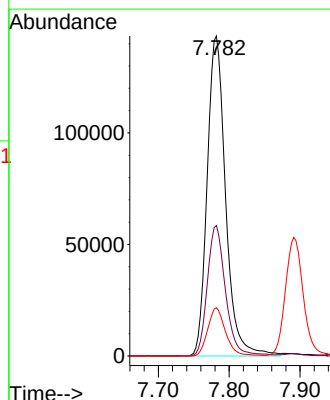
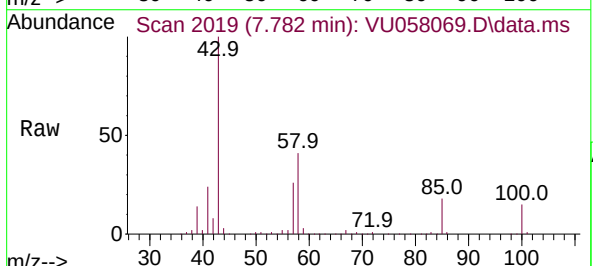
Instrument :
 MSVOA_U
 ClientSampleId :

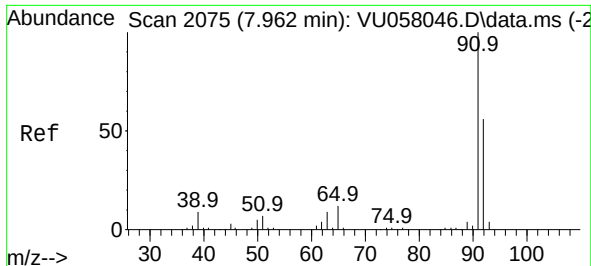
Tgt Ion: 75 Resp: 72845
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.436 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058069.D
 Acq: 12 Mar 2024 18:52

Tgt Ion: 43 Resp: 259406
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.7 47.5
 100 14.6 11.3 16.9





#42

Toluene

Concen: 5.180 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

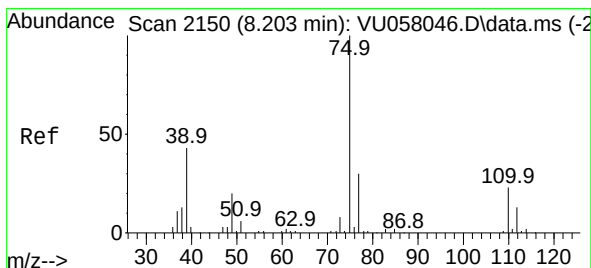
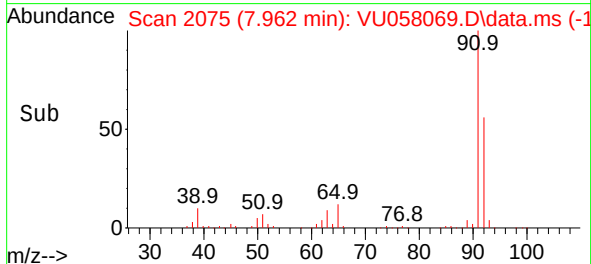
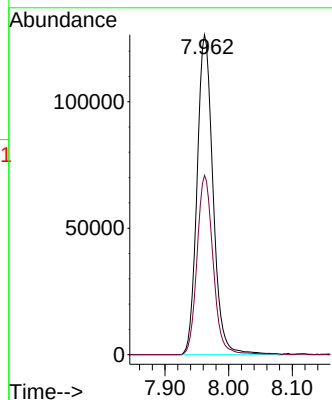
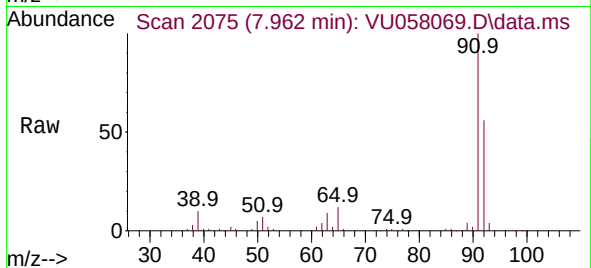
ClientSampleId :

Tgt Ion: 91 Resp: 220745

Ion Ratio Lower Upper

91 100

92 56.0 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.894 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU058069.D

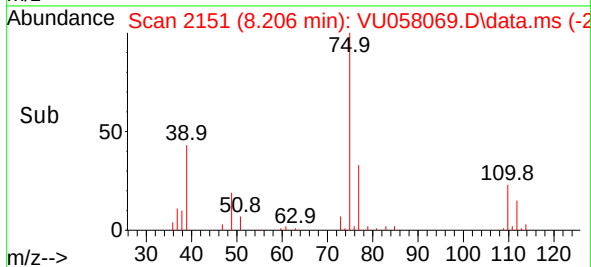
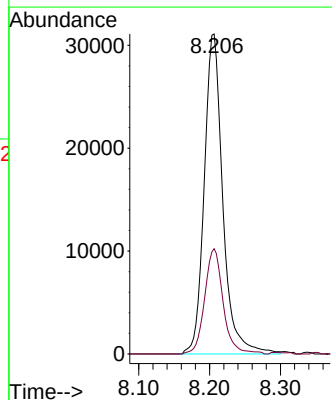
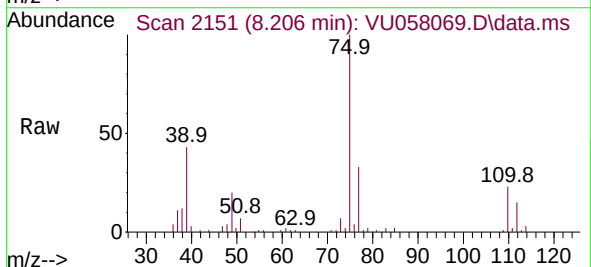
Acq: 12 Mar 2024 18:52

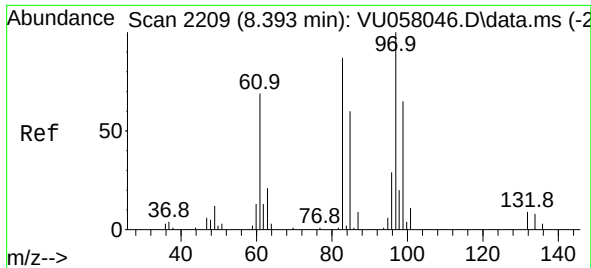
Tgt Ion: 75 Resp: 56708

Ion Ratio Lower Upper

75 100

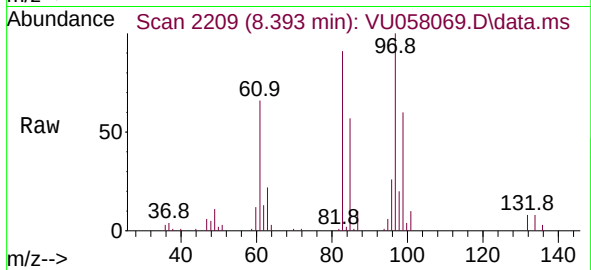
77 32.9 23.1 42.9



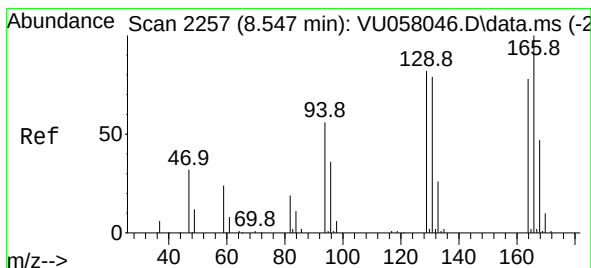
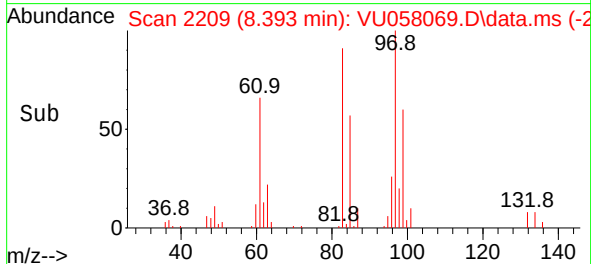
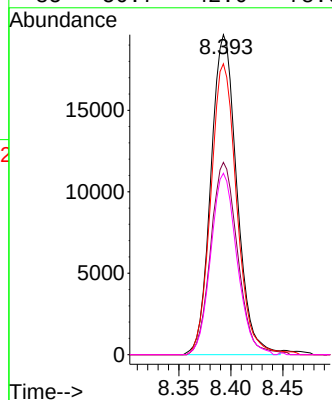


#45
1,1,2-Trichloroethane
Concen: 5.456 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Instrument :
MSVOA_U
ClientSampleId :

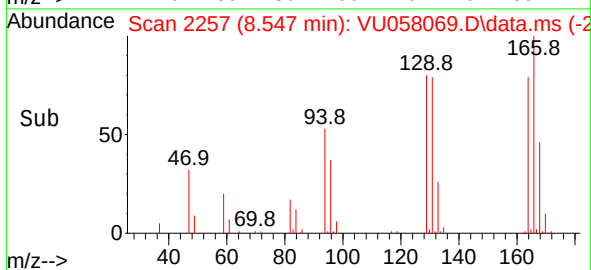
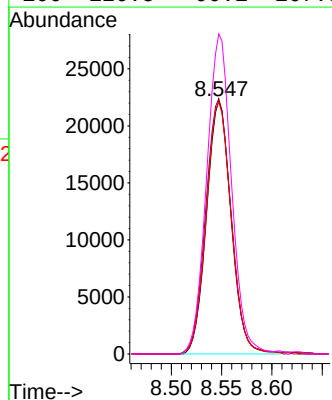
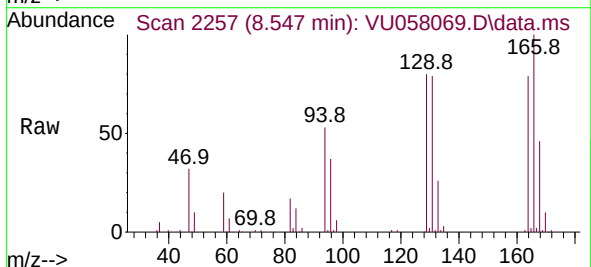


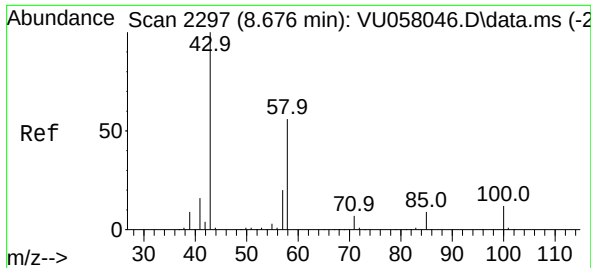
Tgt Ion:	97	Resp:	34138
Ion	Ratio	Lower	Upper
97	100		
99	60.1	44.2	82.2
83	90.9	64.2	119.2
85	56.7	42.0	78.0



#47
Tetrachloroethene
Concen: 5.078 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion:	164	Resp:	37938
Ion	Ratio	Lower	Upper
164	100		
129	101.0	69.3	128.7
131	99.6	69.9	129.9
166	126.5	90.1	167.3

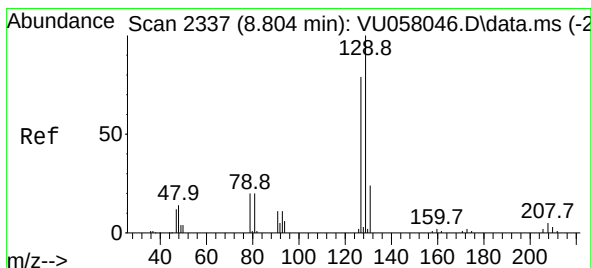
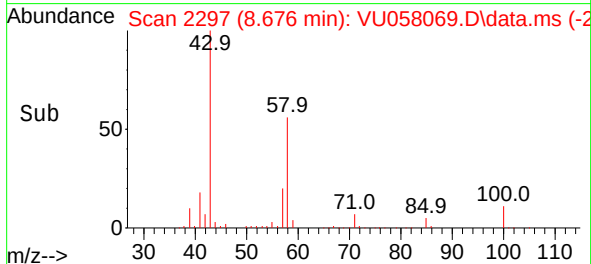
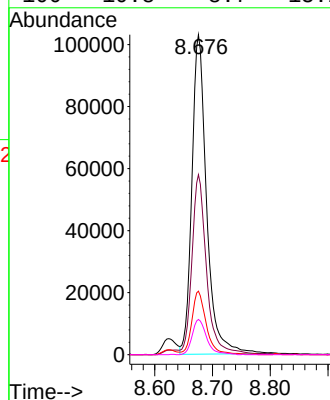
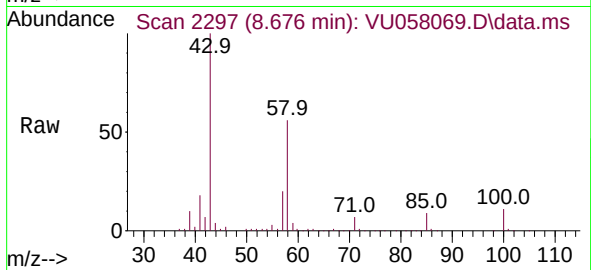




#48
2-Hexanone
Concen: 51.467 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

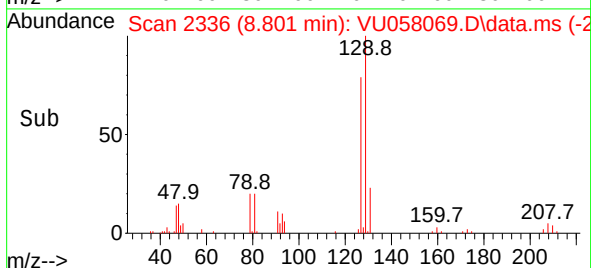
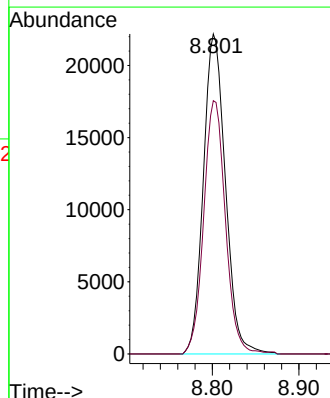
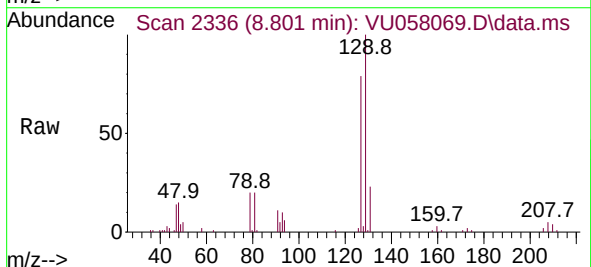
Instrument :
MSVOA_U
ClientSampleId :

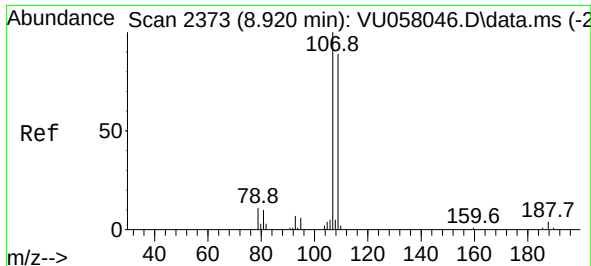
Tgt Ion: 43 Resp: 183228
Ion Ratio Lower Upper
43 100
58 55.0 43.3 64.9
57 19.1 15.2 22.8
100 10.8 8.7 13.1



#49
Dibromochloromethane
Concen: 5.307 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion:129 Resp: 39305
Ion Ratio Lower Upper
129 100
127 79.2 55.2 102.6





#50

1,2-Dibromoethane

Concen: 5.451 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.003 min

Lab File: VU058069.D

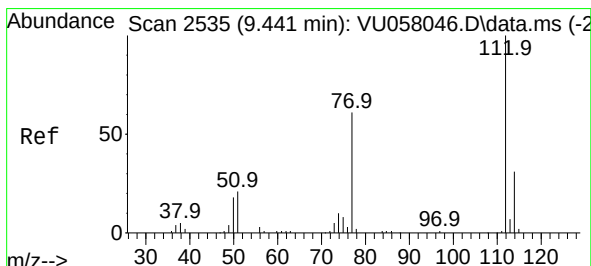
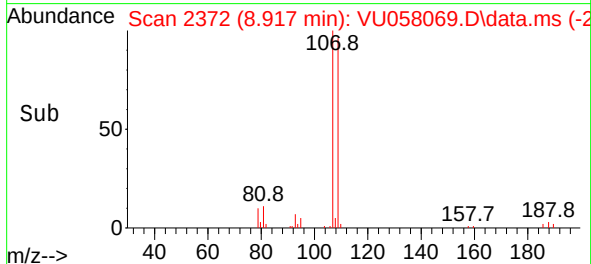
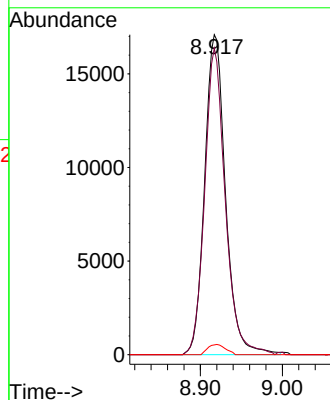
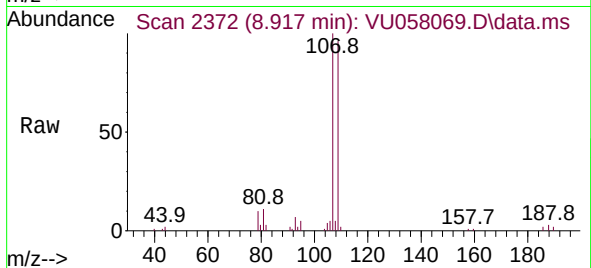
Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	30269
Ion	Ratio	Lower	Upper
107	100		
109	95.8	67.8	125.8
188	3.1	2.4	3.6



#51

Chlorobenzene

Concen: 5.146 ug/L

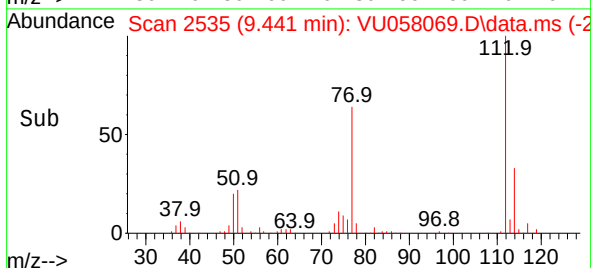
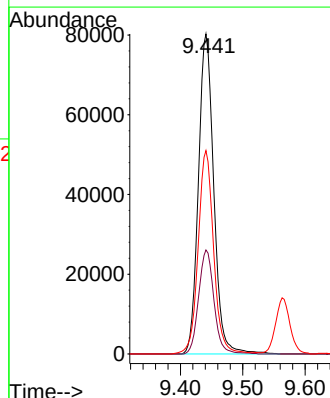
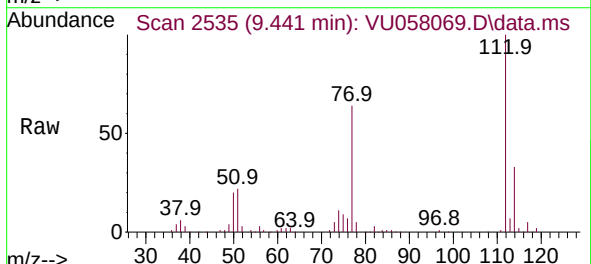
RT: 9.441 min Scan# 2535

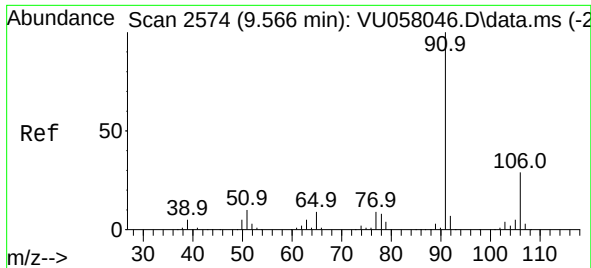
Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Tgt Ion:	112	Resp:	137543
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.7	42.1
77	63.6	52.3	78.5

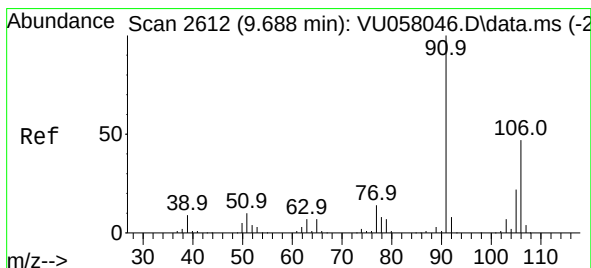
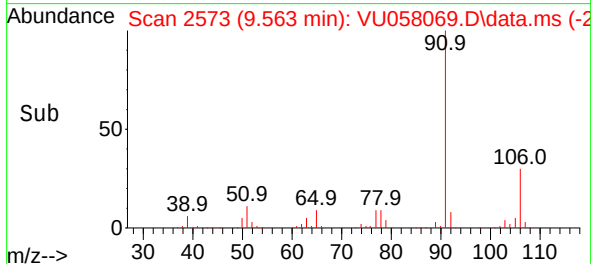
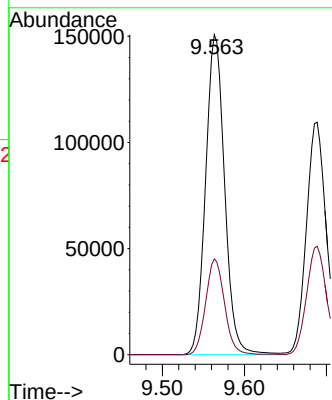
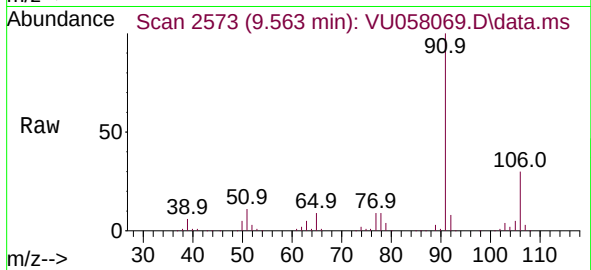




#52
Ethylbenzene
Concen: 5.096 ug/L
RT: 9.563 min Scan# 243023
Delta R.T. -0.003 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

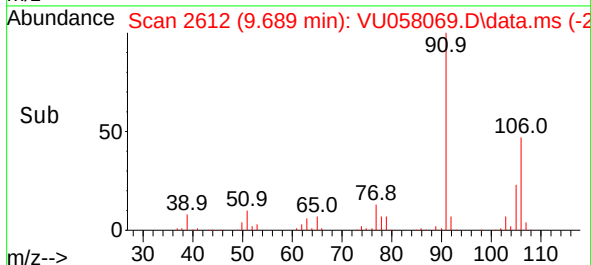
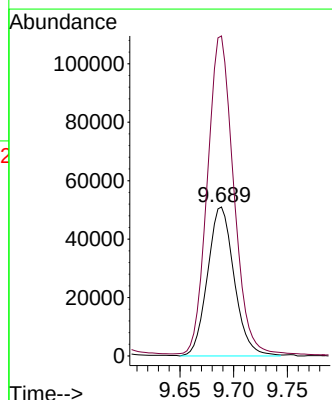
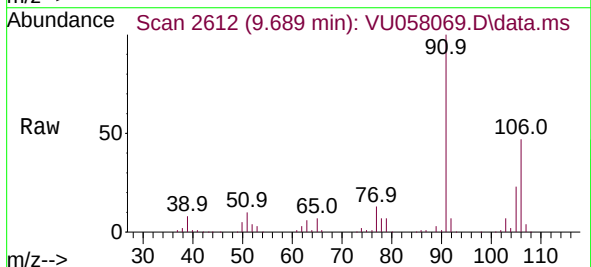
Instrument :
MSVOA_U
ClientSampleId :

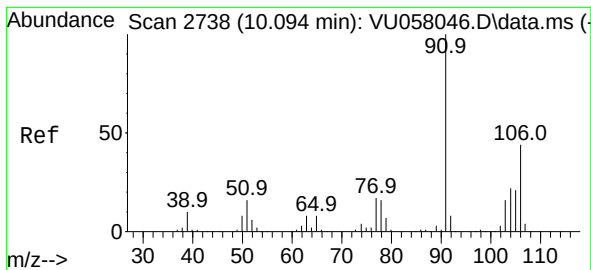
Tgt Ion: 91 Resp: 243023
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.7



#53
m,p-Xylene
Concen: 5.154 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion:106 Resp: 87815
Ion Ratio Lower Upper
106 100
91 214.7 148.8 276.4





#54

o-Xylene

Concen: 5.066 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

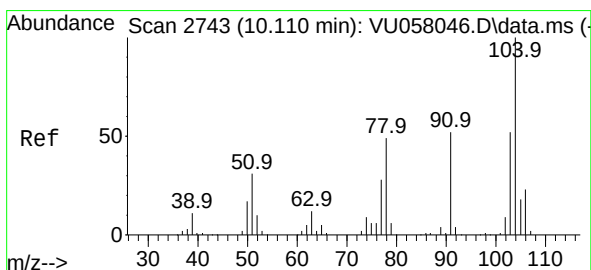
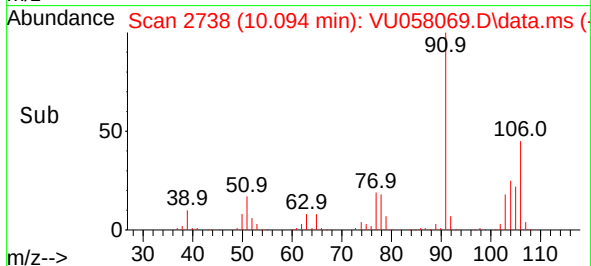
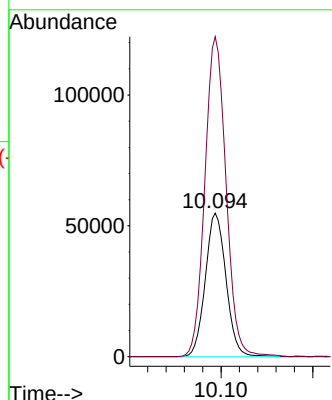
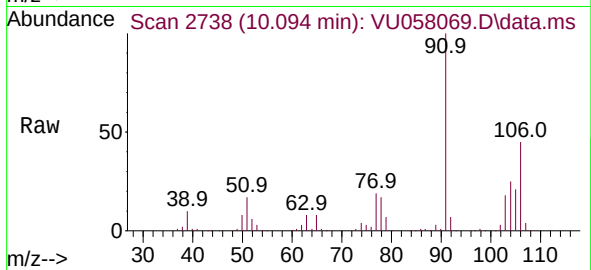
ClientSampleId :

Tgt Ion:106 Resp: 86033

Ion Ratio Lower Upper

106 100

91 222.9 158.3 294.1



#55

Styrene

Concen: 5.281 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU058069.D

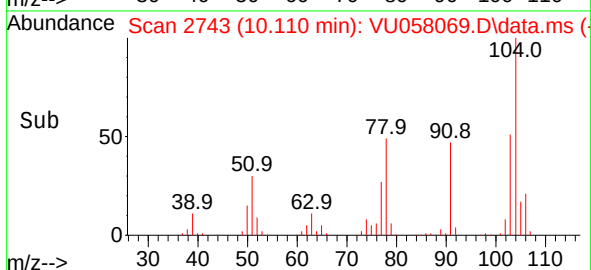
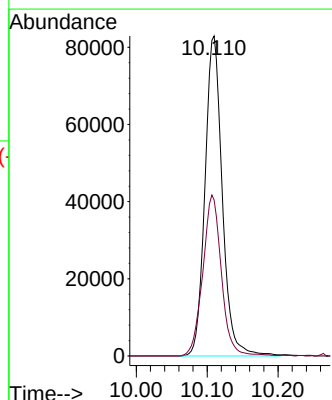
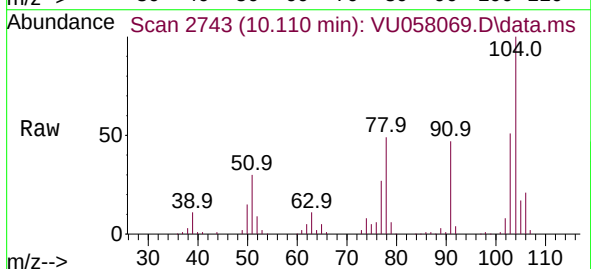
Acq: 12 Mar 2024 18:52

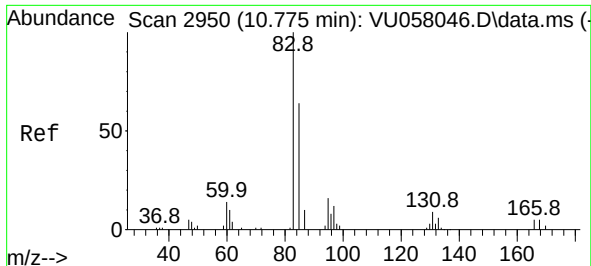
Tgt Ion:104 Resp: 140756

Ion Ratio Lower Upper

104 100

78 48.7 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.330 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

ClientSampleId :

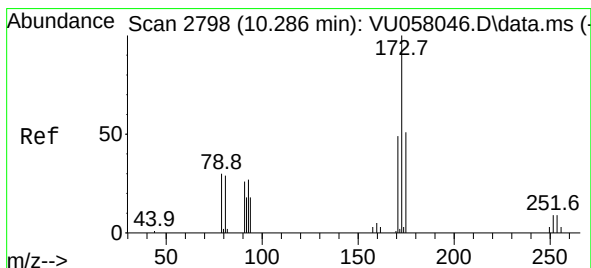
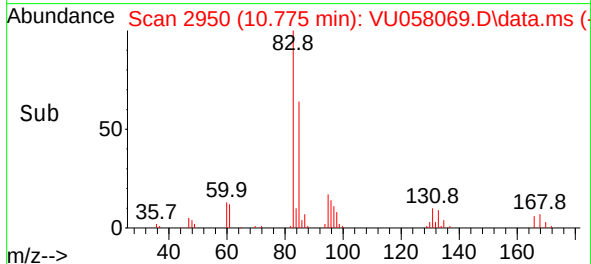
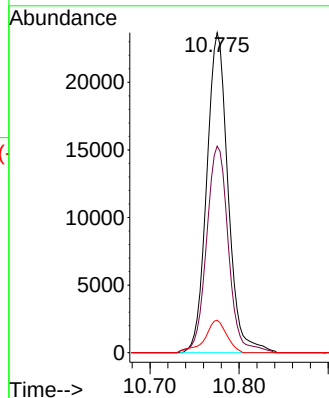
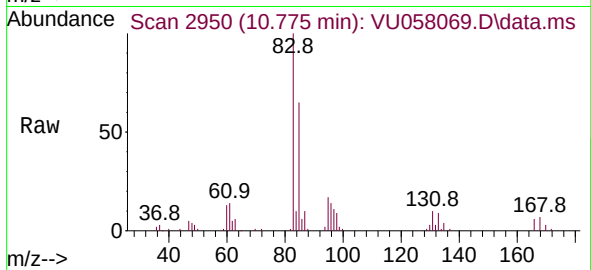
Tgt Ion: 83 Resp: 39285

Ion Ratio Lower Upper

83 100

85 64.5 44.0 81.6

131 10.2 6.9 10.3



#59

Bromoform

Concen: 5.223 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

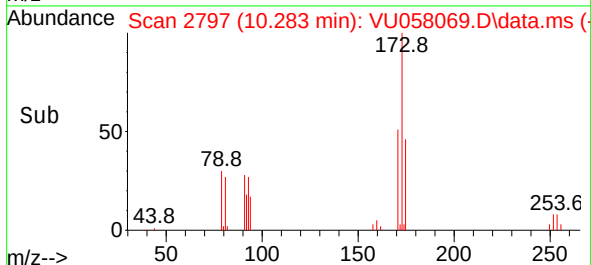
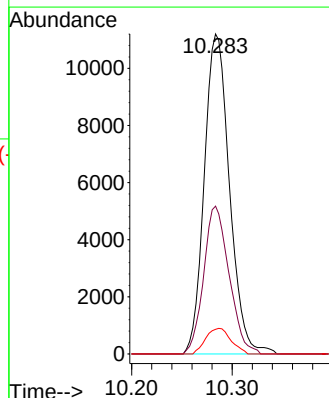
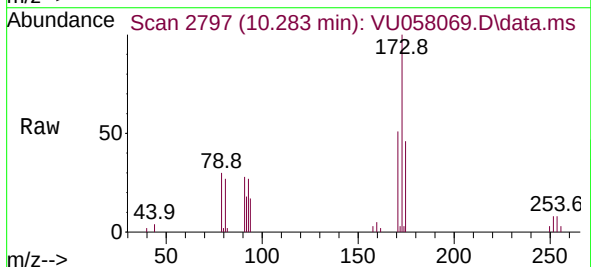
Tgt Ion:173 Resp: 19521

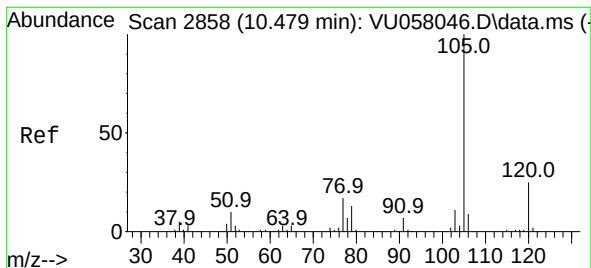
Ion Ratio Lower Upper

173 100

175 46.5 38.6 57.8

254 8.0 7.3 10.9





#60

Isopropylbenzene

Concen: 5.015 ug/L

RT: 10.476 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU058069.D

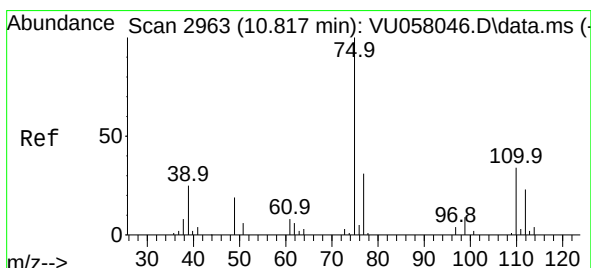
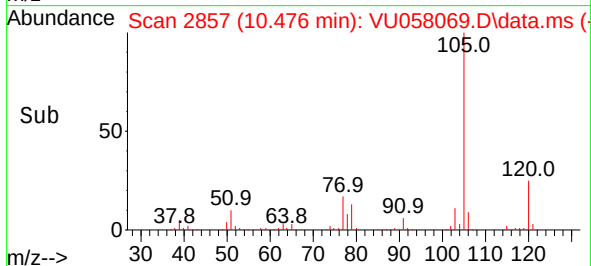
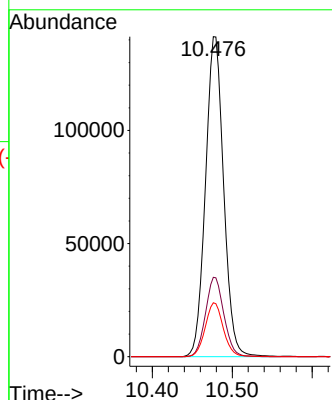
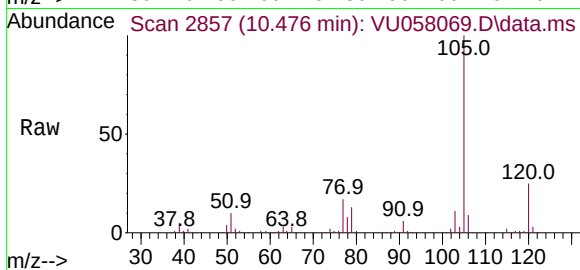
Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	223796
Ion Ratio	Lower	Upper	
105	100		
120	25.0	20.4	30.6
77	16.8	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 5.316 ug/L

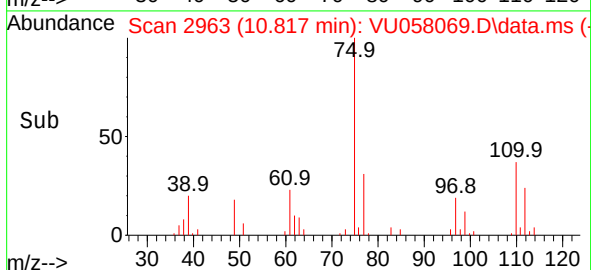
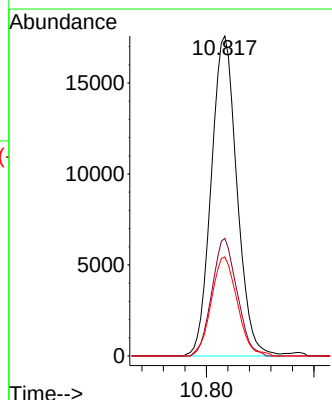
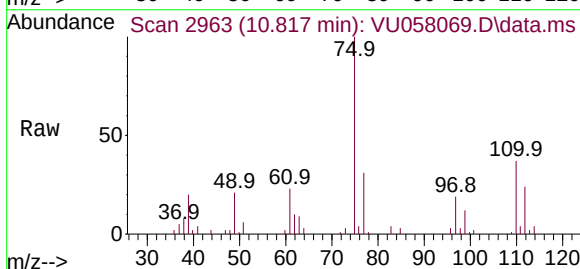
RT: 10.817 min Scan# 2963

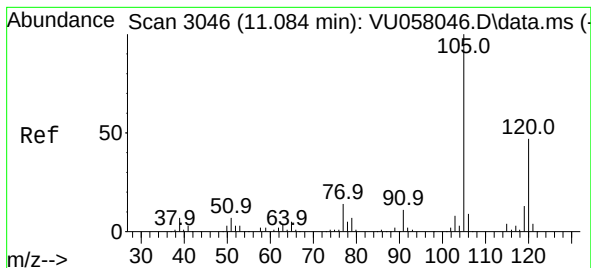
Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Tgt Ion:	75	Resp:	29178
Ion Ratio	Lower	Upper	
75	100		
110	35.8	28.0	42.0
77	31.2	24.7	37.1





#62

1,3,5-Trimethylbenzene

Concen: 4.951 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

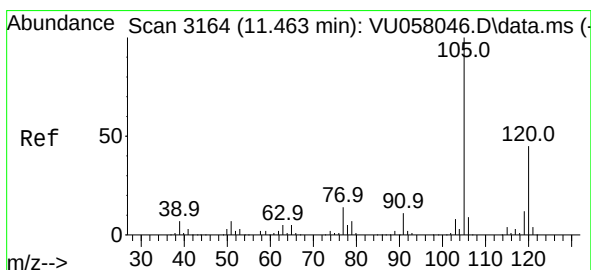
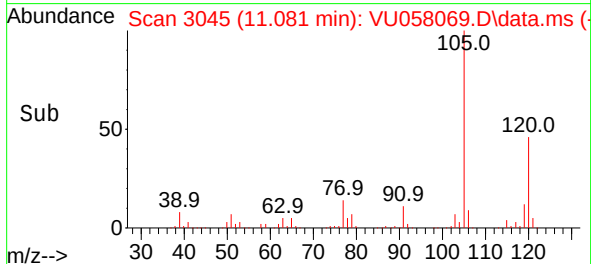
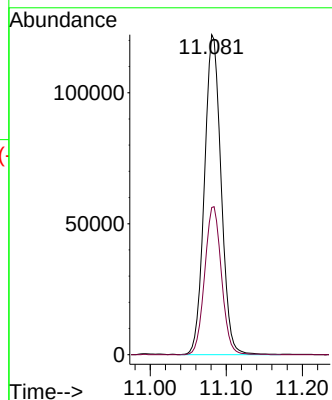
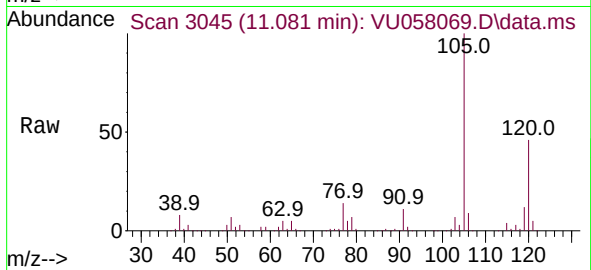
ClientSampleId :

Tgt Ion:105 Resp: 186371

Ion Ratio Lower Upper

105 100

120 46.5 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.020 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058069.D

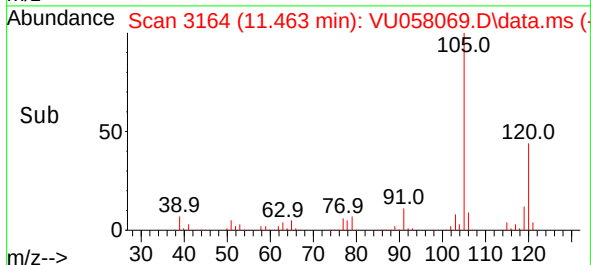
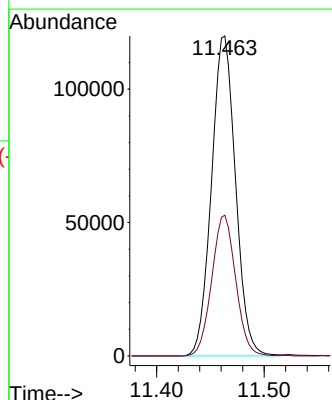
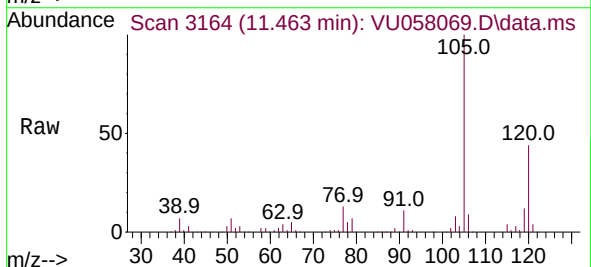
Acq: 12 Mar 2024 18:52

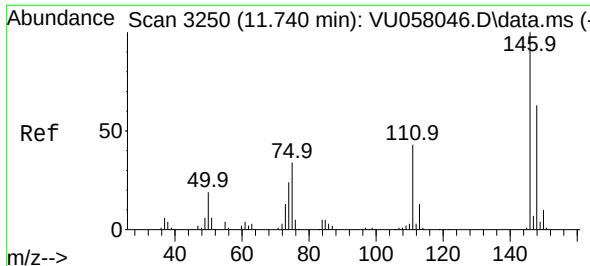
Tgt Ion:105 Resp: 186498

Ion Ratio Lower Upper

105 100

120 43.7 34.8 52.2

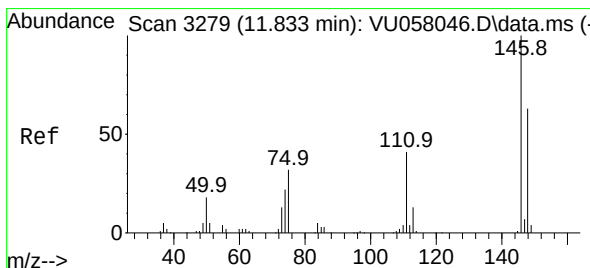
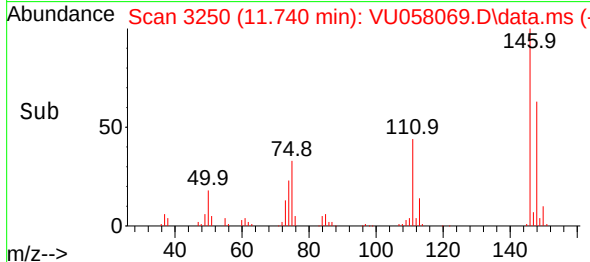
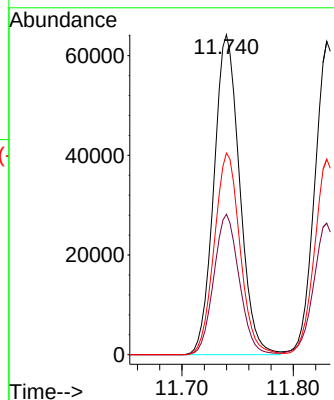
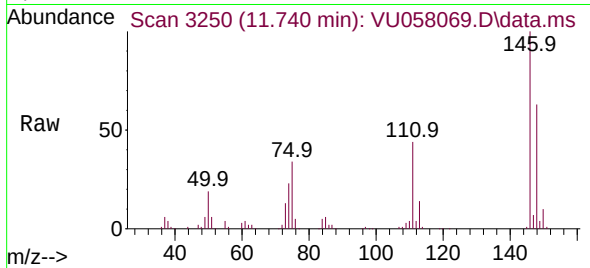




#64
1,3-Dichlorobenzene
Concen: 5.078 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

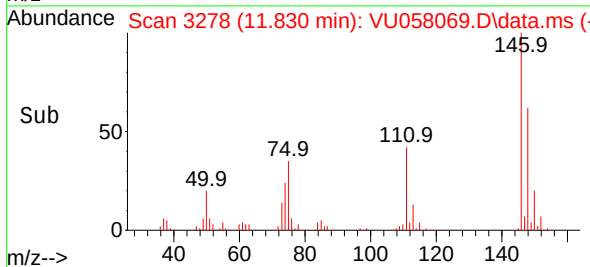
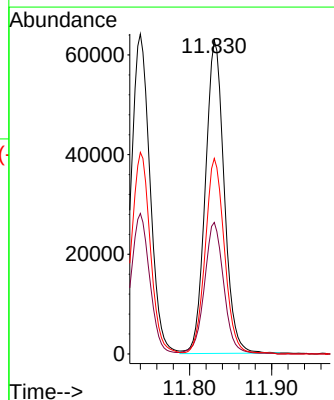
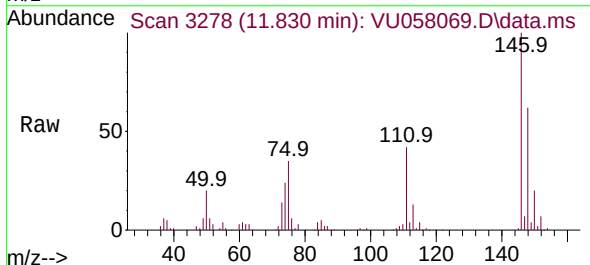
Instrument :
MSVOA_U
ClientSampleId :

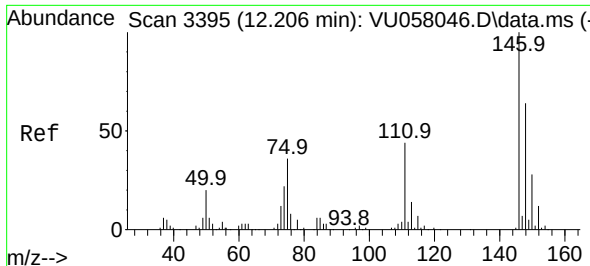
Tgt Ion:146 Resp: 103010
Ion Ratio Lower Upper
146 100
111 43.9 30.9 57.5
148 63.0 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 5.046 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU058069.D
Acq: 12 Mar 2024 18:52

Tgt Ion:146 Resp: 100197
Ion Ratio Lower Upper
146 100
111 42.0 30.1 55.9
148 62.4 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.290 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

ClientSampleId :

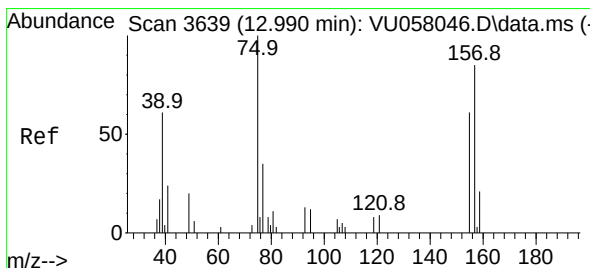
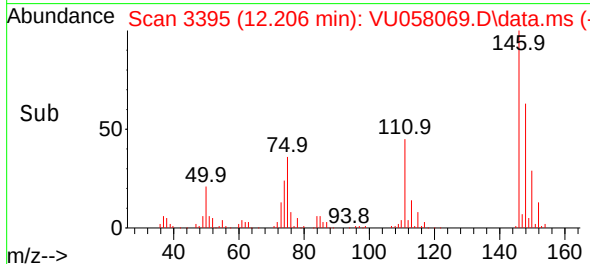
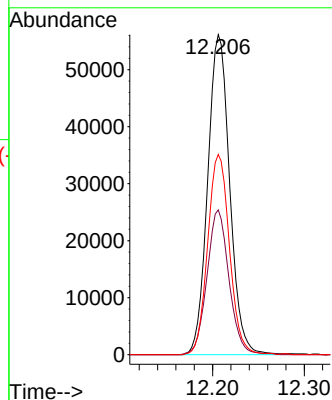
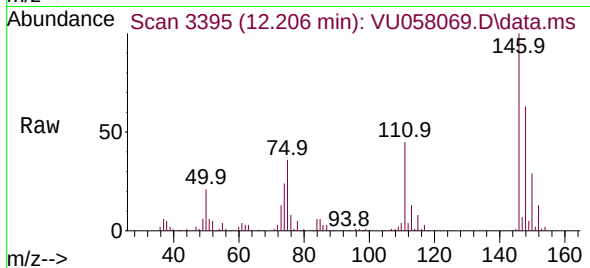
Tgt Ion:146 Resp: 93686

Ion Ratio Lower Upper

146 100

111 45.2 37.4 56.0

148 62.5 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.032 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

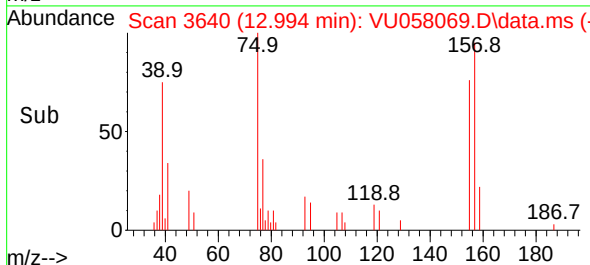
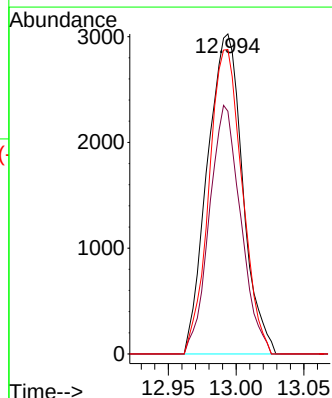
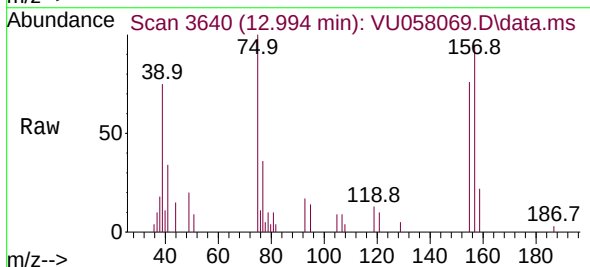
Tgt Ion: 75 Resp: 5480

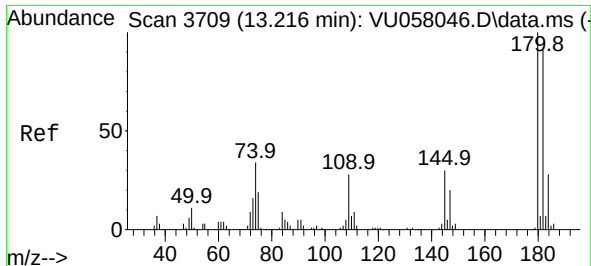
Ion Ratio Lower Upper

75 100

155 75.8 61.0 91.6

157 95.2 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 4.843 ug/L

RT: 13.213 min Scan# 31

Delta R.T. -0.003 min

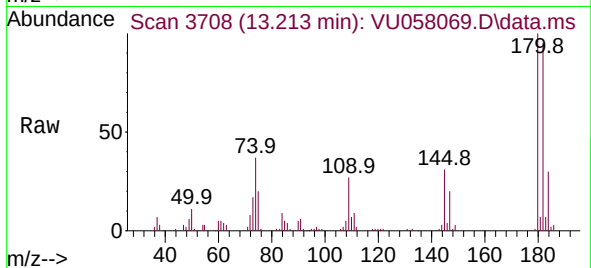
Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 70664

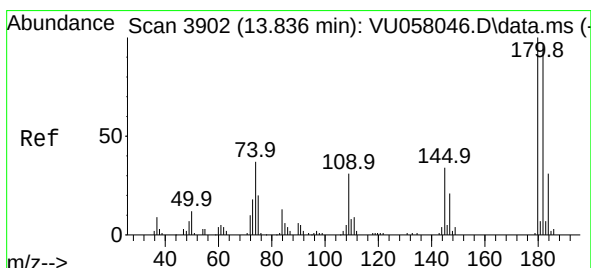
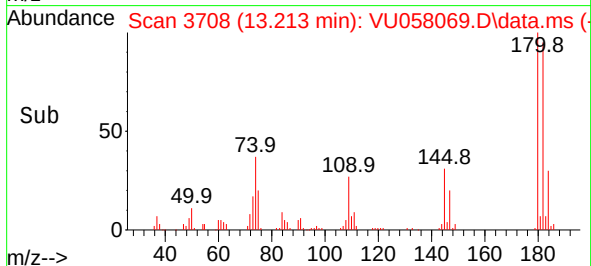
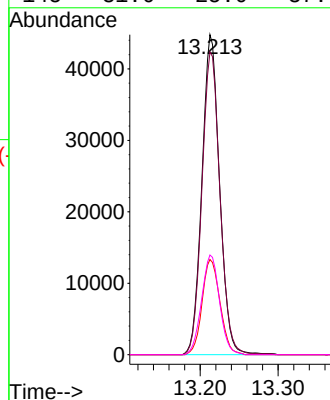
Ion Ratio Lower Upper

180 100

182 96.4 76.3 114.5

184 30.1 24.6 36.8

145 31.6 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 4.872 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

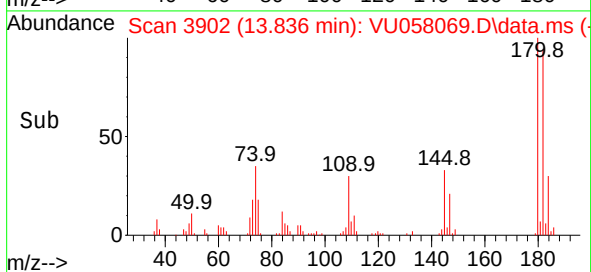
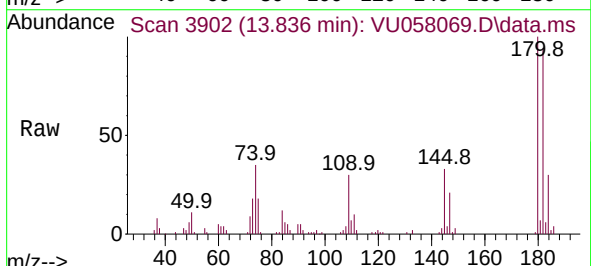
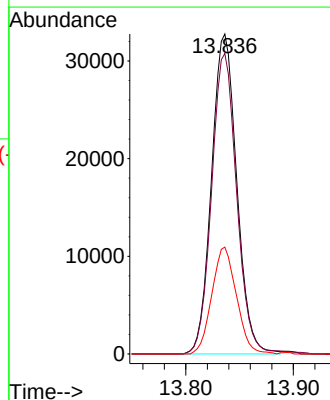
Tgt Ion:180 Resp: 53416

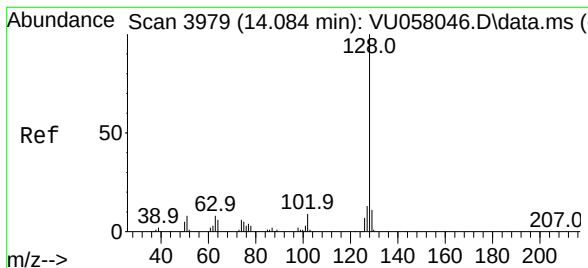
Ion Ratio Lower Upper

180 100

182 93.7 77.9 116.9

145 32.5 25.8 38.8





#71

Naphthalene

Concen: 4.386 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Instrument :

MSVOA_U

ClientSampleId :

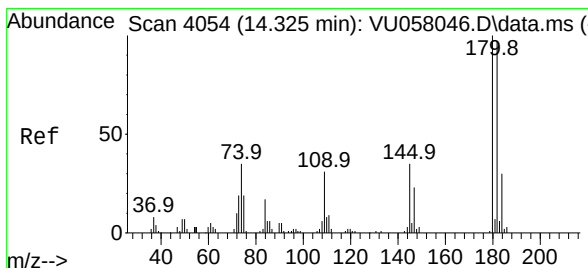
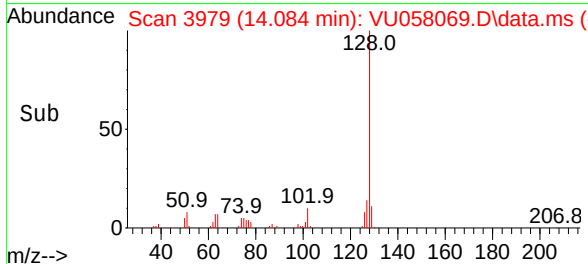
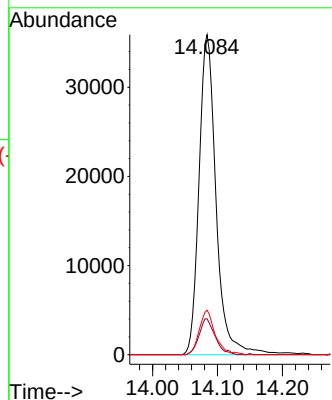
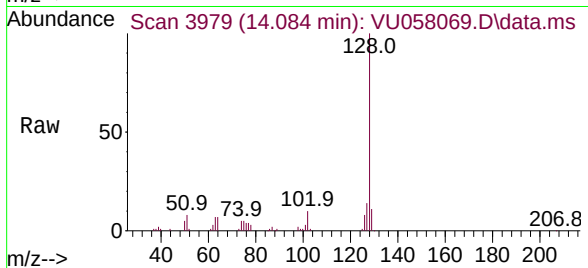
Tgt Ion:128 Resp: 65668

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

127 12.6 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.812 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU058069.D

Acq: 12 Mar 2024 18:52

Tgt Ion:180 Resp: 41676

Ion Ratio Lower Upper

180 100

182 95.6 77.6 116.4

145 35.1 28.7 43.1

