

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058501.D
 Acq On : 09 Apr 2024 04:23
 Operator : MD/SY
 Sample : P2013-16MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 05:55:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 05:30:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	71613	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	70324	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	35585	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	14210	2.997	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.000%
7) Chloroethane-d5	1.908	69	14523	3.525	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.400%
11) 1,1-Dichloroethene-d2	2.560	65	6644	3.096	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.000%
20) 2-Butanone-d5	4.621	46	57517	57.565	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.140%
24) Chloroform-d	5.055	84	43555	4.602	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.692	65	20581	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.718	84	71747	3.789	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
36) 1,2-Dichloropropane-d6	6.682	67	25583	4.309	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.891	98	62161	3.702	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.174	79	7930	4.303	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.627	63	41722	54.884	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	20250	4.831	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	24022	4.008	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	31628	5.299	ug/L	99
3) Chloromethane	1.515	50	39565	5.416	ug/L	100
5) Vinyl chloride	1.599	62	59996	8.223	ug/L	97
6) Bromomethane	1.853	94	14246	4.127	ug/L	98
8) Chloroethane	1.927	64	25678	5.571	ug/L	100
9) Trichlorofluoromethane	2.133	101	51879	5.385	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	30564	5.339	ug/L	97
12) 1,1-Dichloroethene	2.573	96	27915	5.500	ug/L	88
13) Acetone	2.634	43	42913	50.320	ug/L	99
14) Carbon disulfide	2.785	76	88040	5.461	ug/L	100
15) Methyl Acetate	2.949	43	10206	5.072	ug/L	93
16) Methylene chloride	3.036	84	33421	4.962	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	67579	5.637	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	31186	5.863	ug/L	98
19) 1,1-Dichloroethane	3.859	63	67684	5.830	ug/L	96
21) 2-Butanone	4.702	43	67365	52.850	ug/L	95
22) cis-1,2-Dichloroethene	4.653	96	98509	16.491	ug/L	97
23) Bromochloromethane	4.965	128	13685	5.815	ug/L	99
25) Chloroform	5.078	83	64920	5.777	ug/L	100

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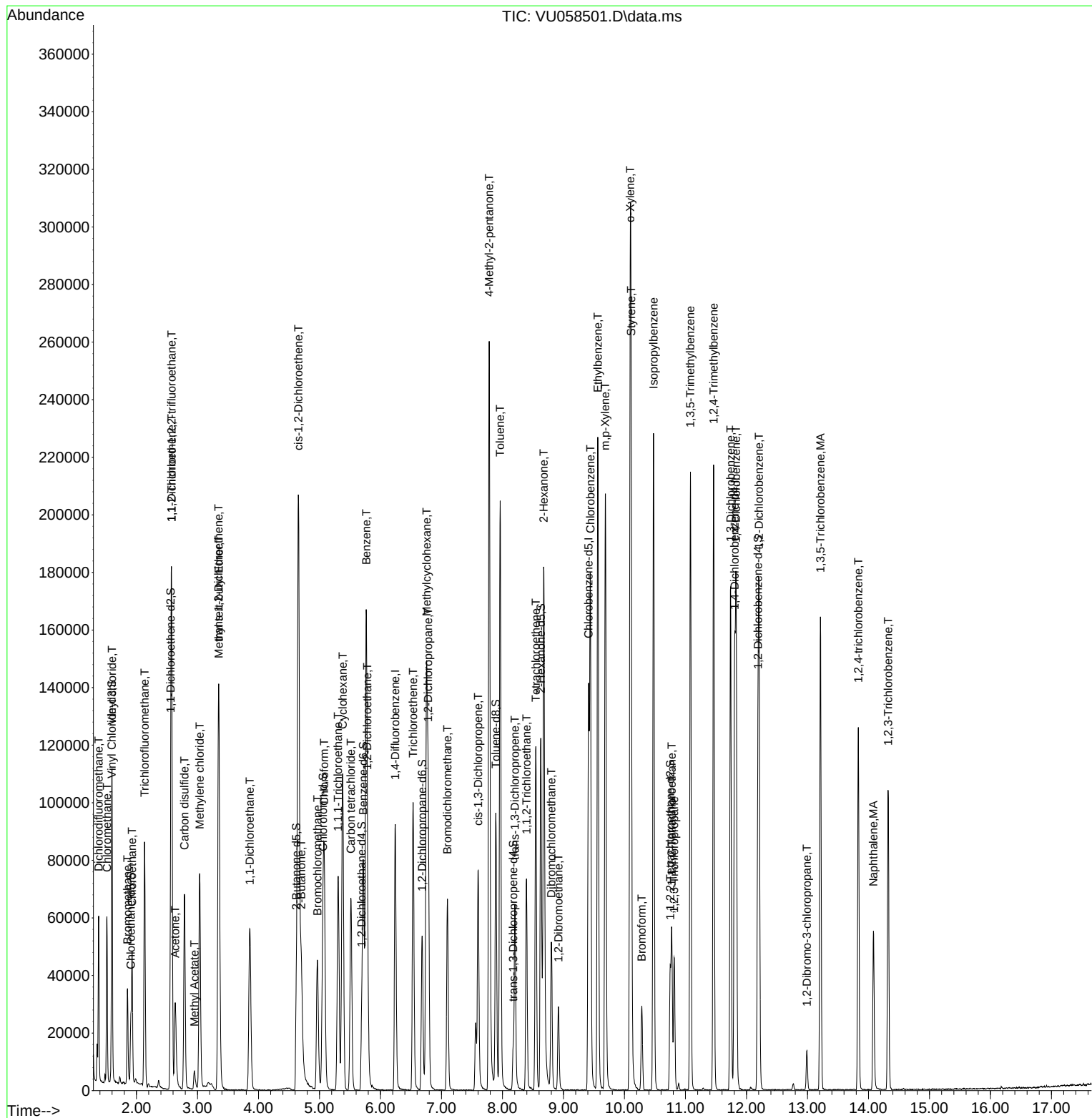
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	38716	5.658	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	51652	5.478	ug/L	98
30) Cyclohexane	5.380	56	53203	5.343	ug/L	100
31) Carbon tetrachloride	5.515	117	44638	5.590	ug/L	99
33) Benzene	5.766	78	141358	5.545	ug/L	100
34) Trichloroethene	6.534	95	34103	5.307	ug/L	98
35) Methylcyclohexane	6.756	83	50334	5.199	ug/L	99
37) 1,2-Dichloropropane	6.782	63	38198	5.695	ug/L	100
38) Bromodichloromethane	7.097	83	43160	5.638	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	44990	5.275	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	176650	55.957	ug/L	100
42) Toluene	7.962	91	147439	5.514	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	35788	5.321	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	21851	5.578	ug/L	98
47) Tetrachloroethene	8.547	164	24297	5.158	ug/L	98
48) 2-Hexanone	8.676	43	124478	55.542	ug/L	99
49) Dibromochloromethane	8.801	129	25513	5.634	ug/L	99
50) 1,2-Dibromoethane	8.917	107	19484	5.439	ug/L #	96
51) Chlorobenzene	9.441	112	87474	5.407	ug/L	97
52) Ethylbenzene	9.563	91	155351	5.484	ug/L	98
53) m,p-Xylene	9.685	106	57300	5.649	ug/L	99
54) o-Xylene	10.094	106	54652	5.496	ug/L	99
55) Styrene	10.110	104	88867	5.554	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	27102	5.609	ug/L	100
59) Bromoform	10.283	173	12395	5.213	ug/L	96
60) Isopropylbenzene	10.476	105	138825	5.329	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	19561	5.387	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	112263	5.284	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	115430	5.321	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	66967	5.292	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	65037	5.275	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	58439	5.077	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	3493	5.673	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	47218	5.046	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	35487	4.918	ug/L	97
71) Naphthalene	14.081	128	44216	4.472	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	29745	4.992	ug/L	98

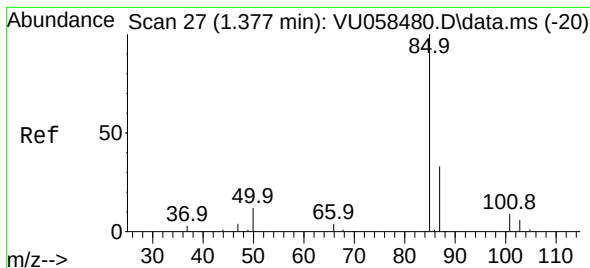
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.299 ug/L

RT: 1.380 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

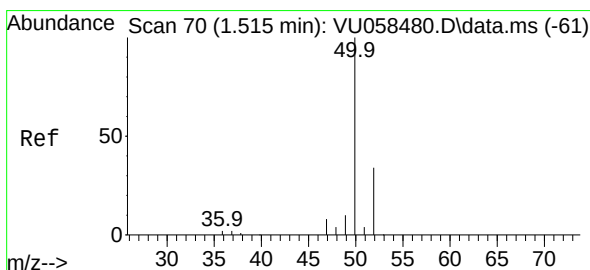
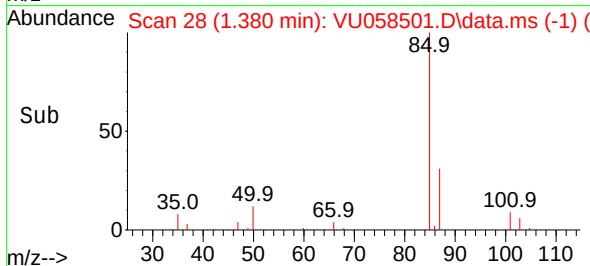
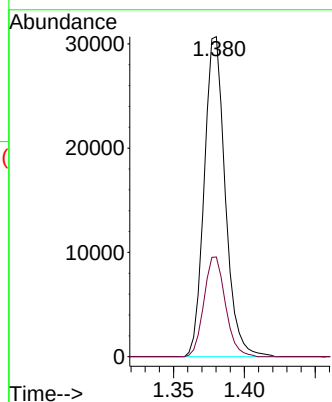
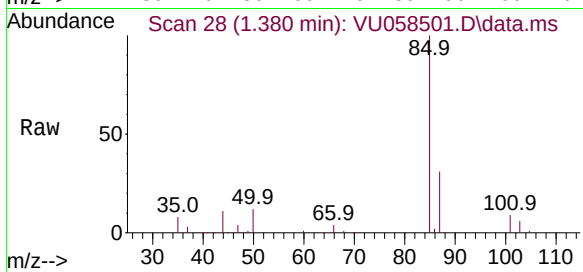
ClientSampleId :

Tgt Ion: 85 Resp: 31628

Ion Ratio Lower Upper

85 100

87 31.9 25.9 38.9



#3

Chloromethane

Concen: 5.416 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU058501.D

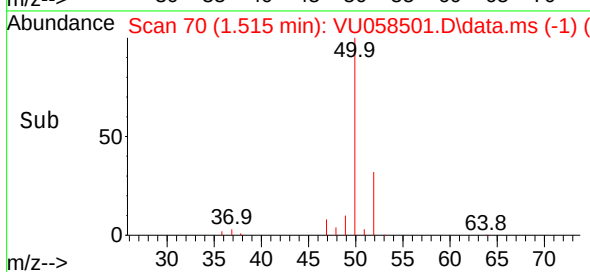
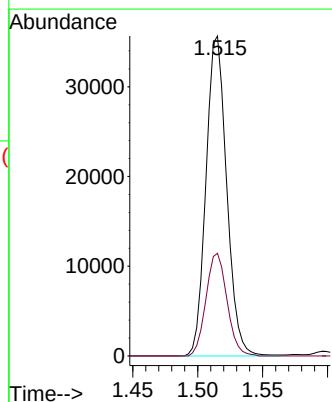
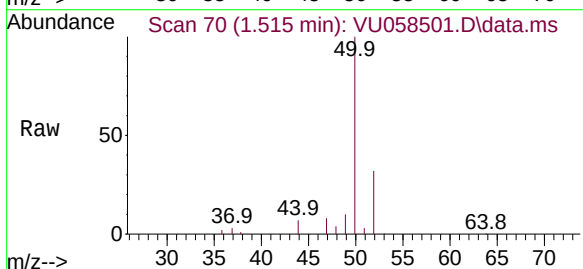
Acq: 09 Apr 2024 04:23

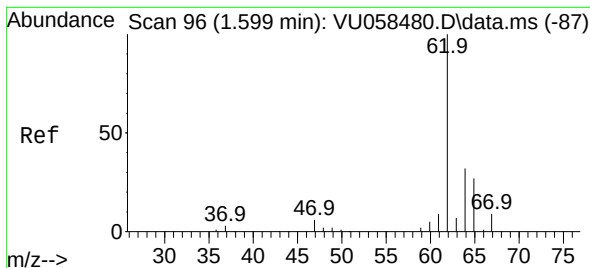
Tgt Ion: 50 Resp: 39565

Ion Ratio Lower Upper

50 100

52 32.1 22.6 42.0





#5

Vinyl chloride

Concen: 8.223 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

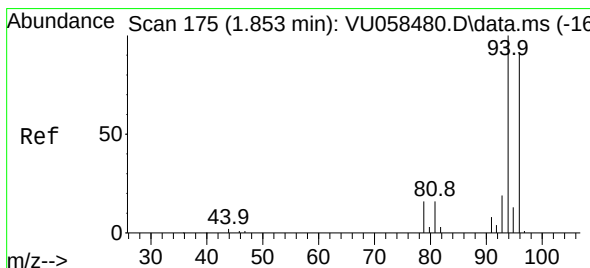
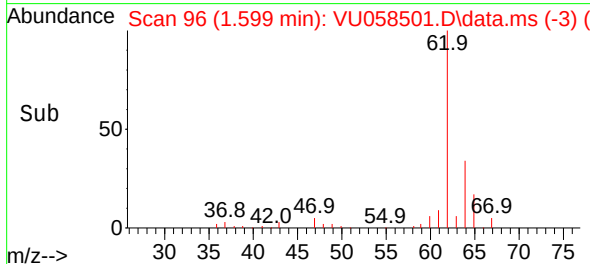
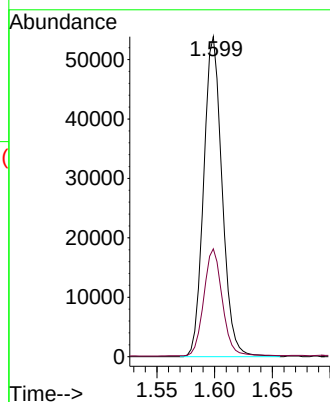
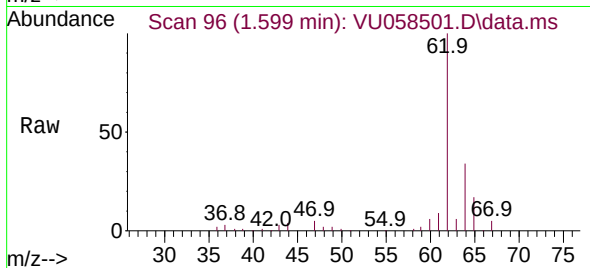
ClientSampleId :

Tgt Ion: 62 Resp: 59996

Ion Ratio Lower Upper

62 100

64 33.7 22.6 42.0



#6

Bromomethane

Concen: 4.127 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU058501.D

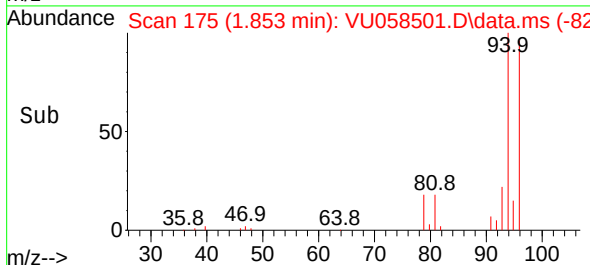
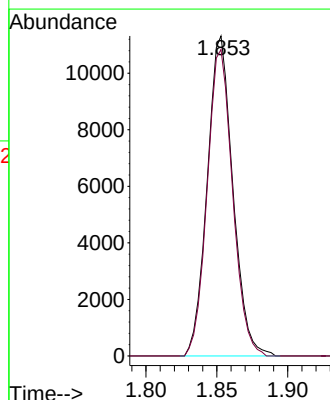
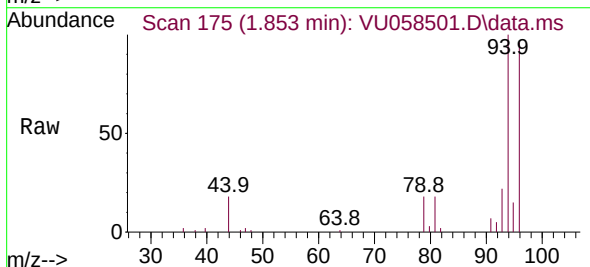
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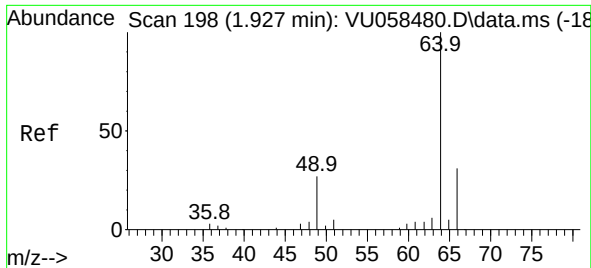
Tgt Ion: 94 Resp: 14246

Ion Ratio Lower Upper

94 100

96 95.8 65.4 121.4

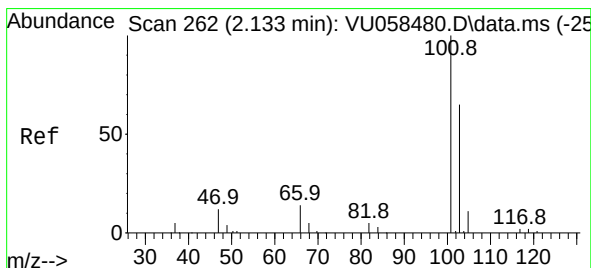
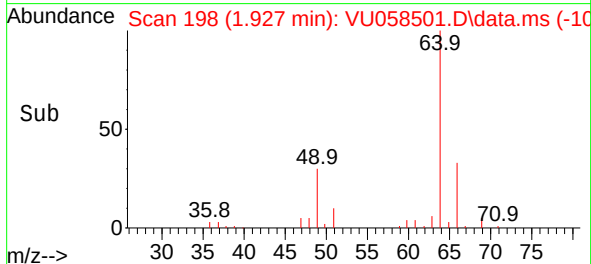
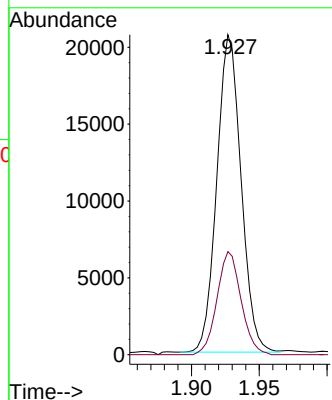
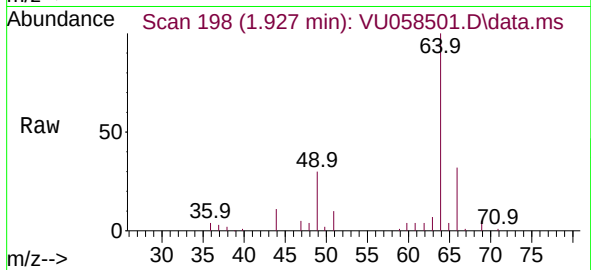




#8
Chloroethane
Concen: 5.571 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

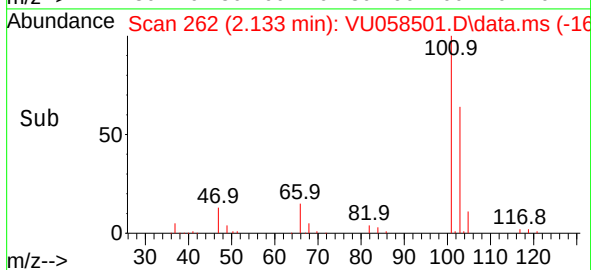
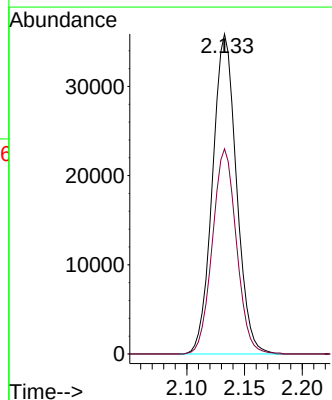
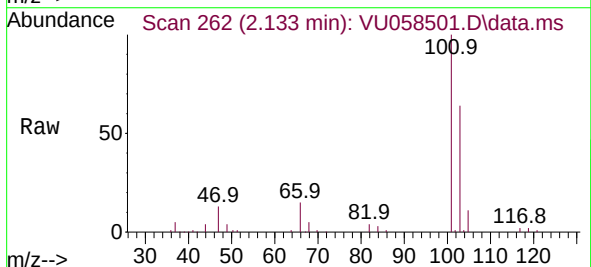
Instrument :
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ClientSampleId :

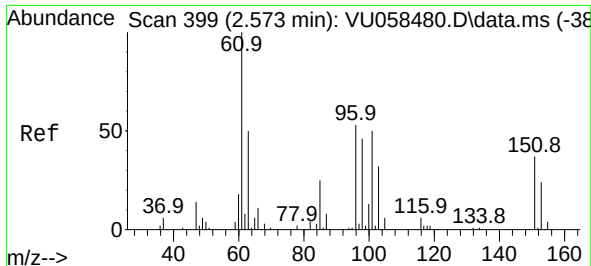
Tgt Ion: 64 Resp: 25678
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.385 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion:101 Resp: 51879
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8

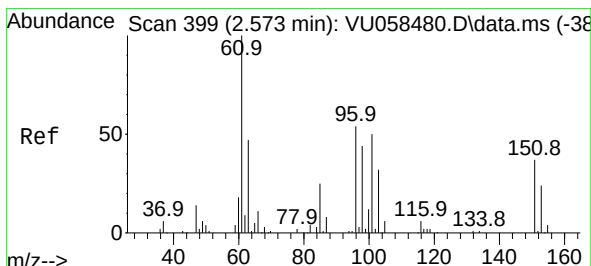
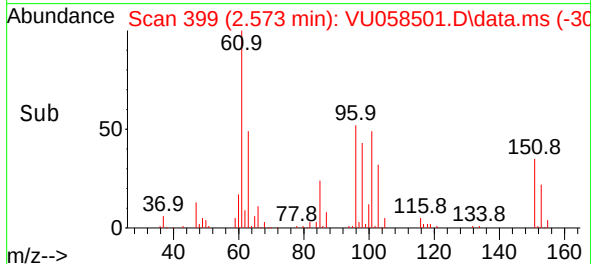
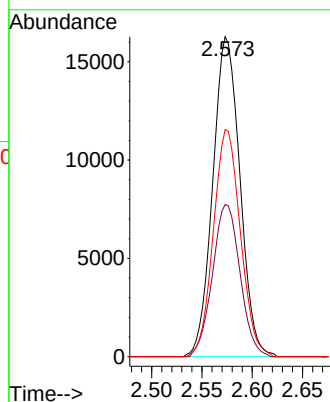
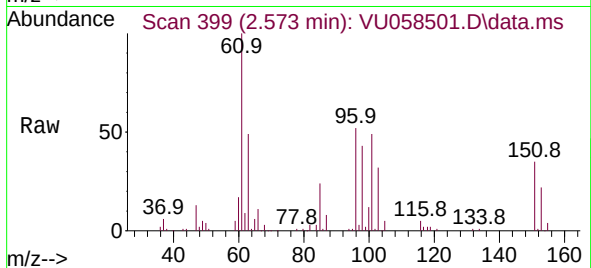




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.339 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU058501.D
 Acq: 09 Apr 2024 04:23

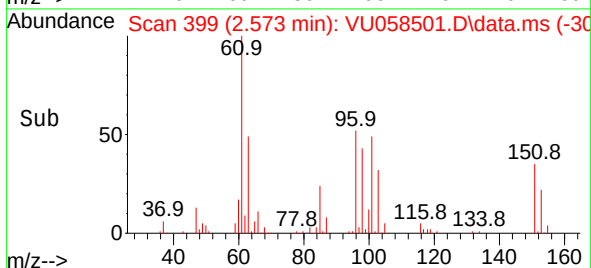
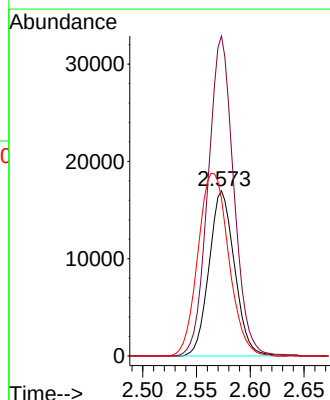
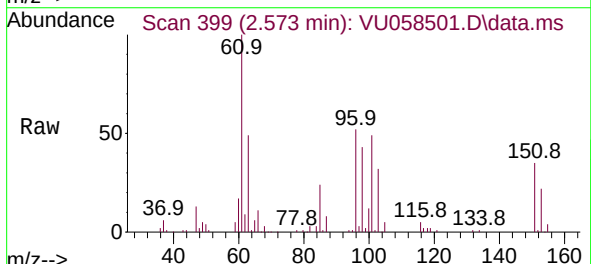
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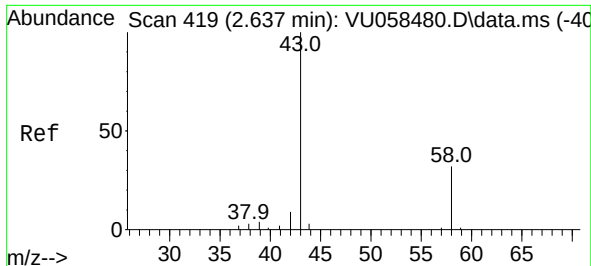
Tgt Ion: 101 Resp: 30564
 Ion Ratio Lower Upper
 101 100
 85 48.2 36.8 55.2
 151 70.8 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 5.500 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU058501.D
 Acq: 09 Apr 2024 04:23

Tgt Ion: 96 Resp: 27915
 Ion Ratio Lower Upper
 96 100
 61 193.9 132.5 246.1
 63 95.4 87.7 162.9





#13

Acetone

Concen: 50.320 ug/L

RT: 2.634 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU058501.D

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Instrument :

MSVOA_U

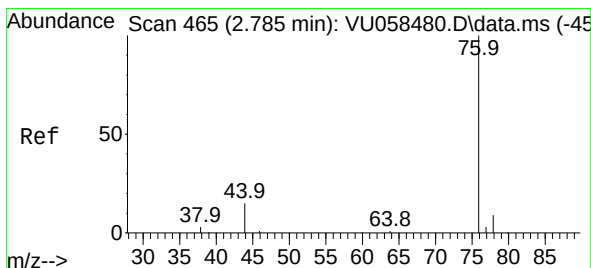
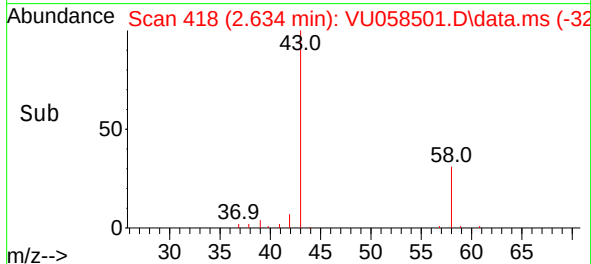
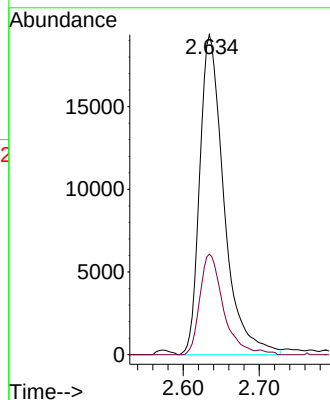
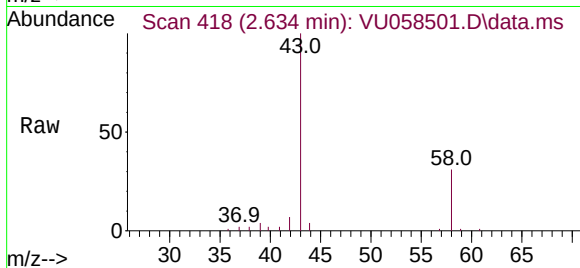
ClientSampleId :

Tgt Ion: 43 Resp: 42913

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.4



#14

Carbon disulfide

Concen: 5.461 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058501.D

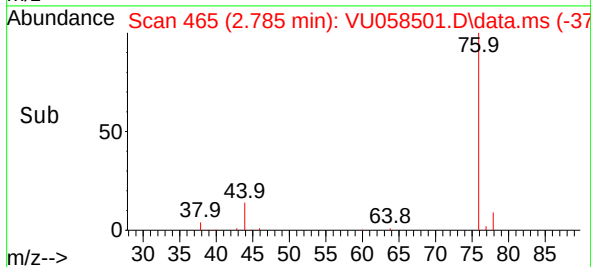
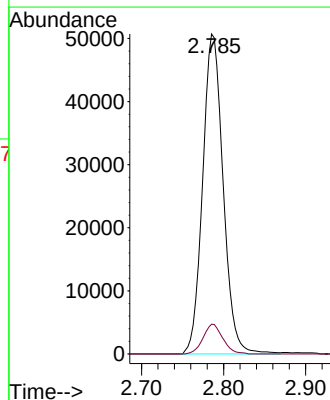
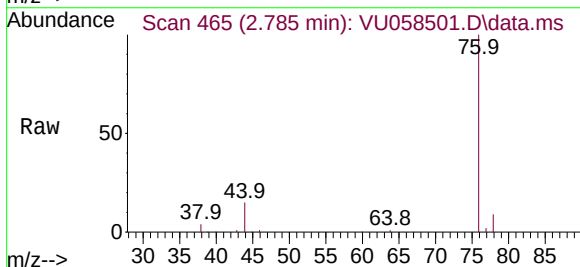
Acq: 09 Apr 2024 04:23

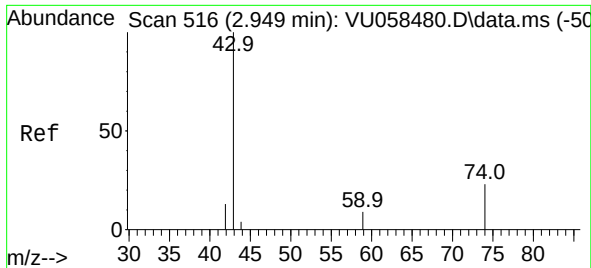
Tgt Ion: 76 Resp: 88040

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

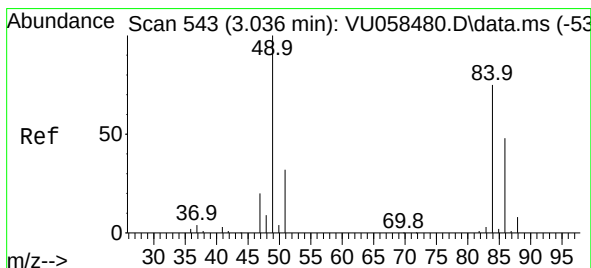
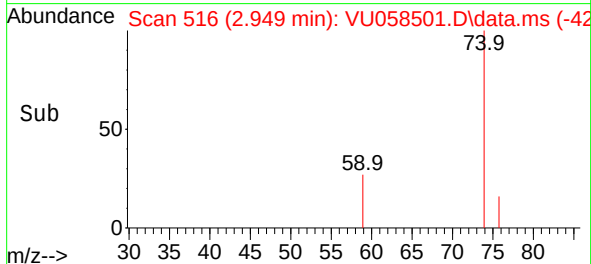
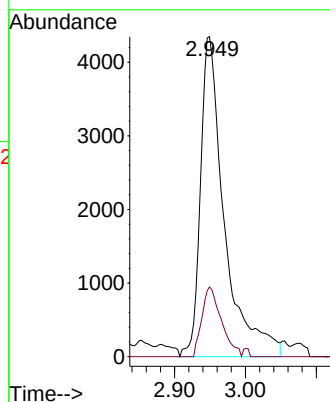
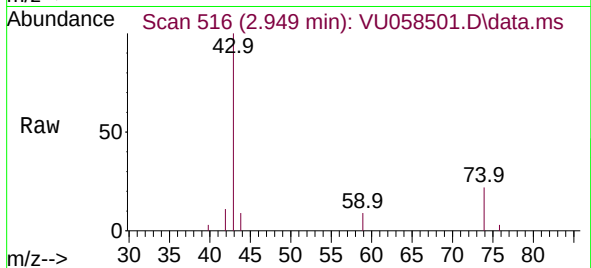




#15
Methyl Acetate
Concen: 5.072 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

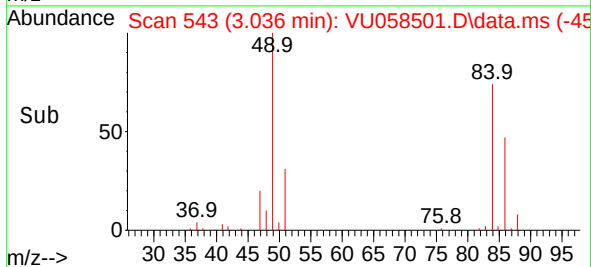
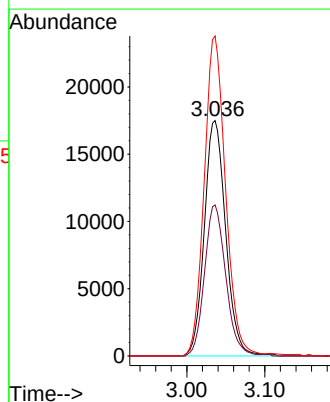
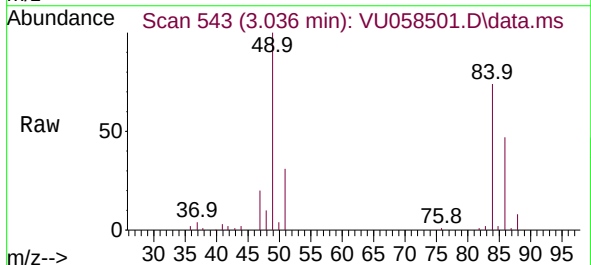
Instrument :
MSVOA_U
ClientSampleId :

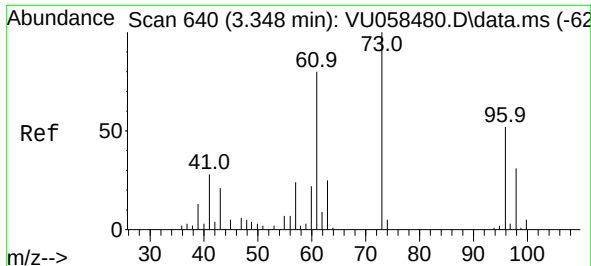
Tgt Ion: 43 Resp: 10206
Ion Ratio Lower Upper
43 100
74 17.7 16.6 25.0



#16
Methylene chloride
Concen: 4.962 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 84 Resp: 33421
Ion Ratio Lower Upper
84 100
86 64.1 44.3 82.3
49 135.9 96.0 178.2

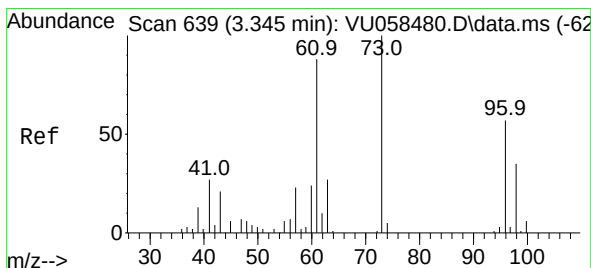
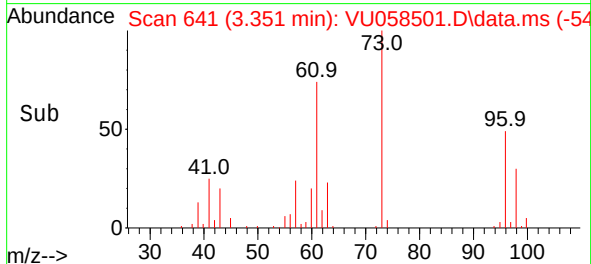
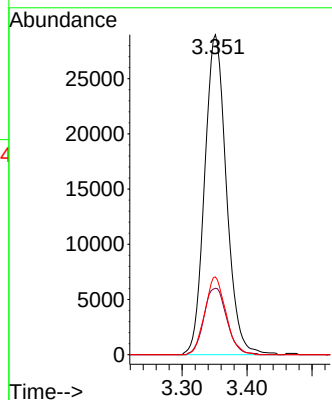
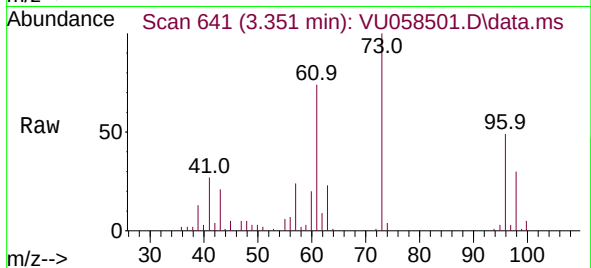




#17
Methyl tert-butyl Ether
Concen: 5.637 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

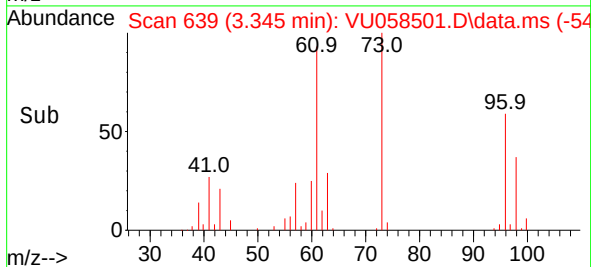
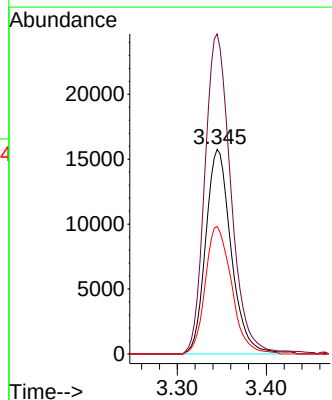
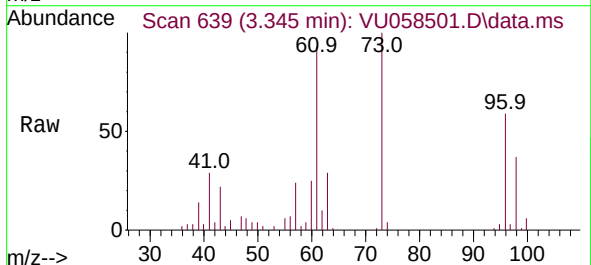
Instrument :
MSVOA_U
ClientSampleId :

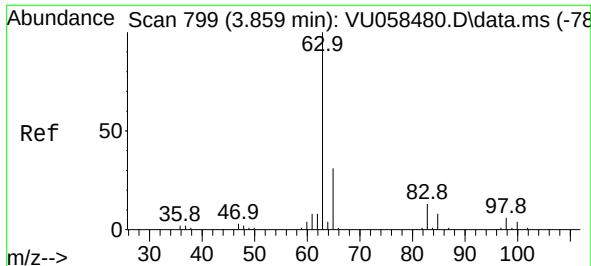
Tgt Ion: 73 Resp: 67579
Ion Ratio Lower Upper
73 100
43 21.9 17.4 26.2
57 23.6 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 5.863 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

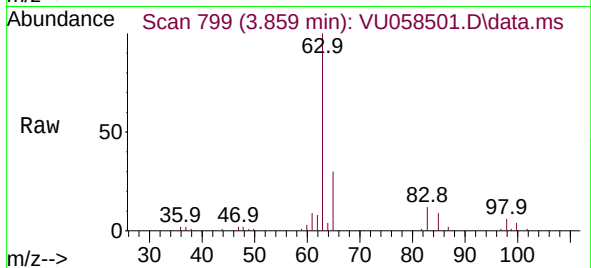
Tgt Ion: 96 Resp: 31186
Ion Ratio Lower Upper
96 100
61 156.3 107.6 199.8
98 62.3 45.1 83.7



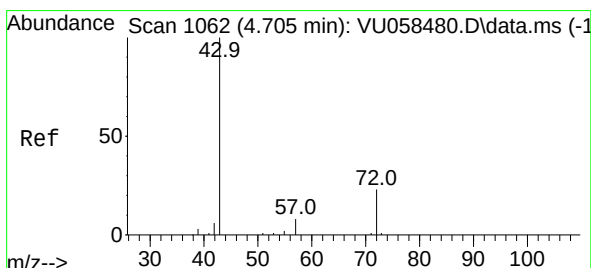
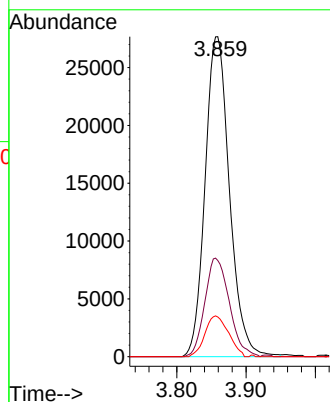
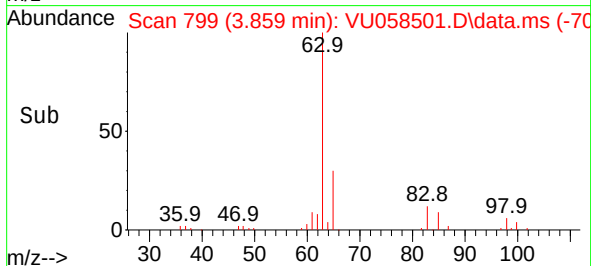


#19
1,1-Dichloroethane
Concen: 5.830 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Instrument :
MSVOA_U
ClientSampleId :

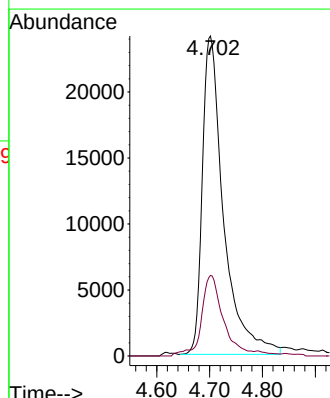
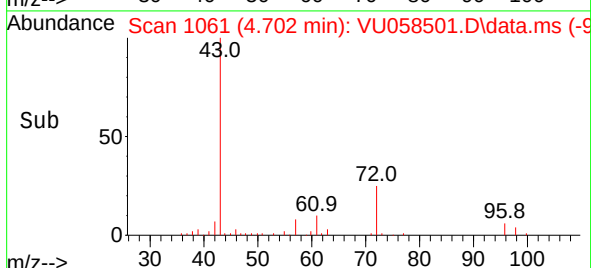
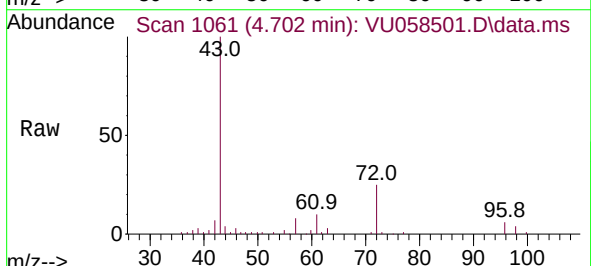


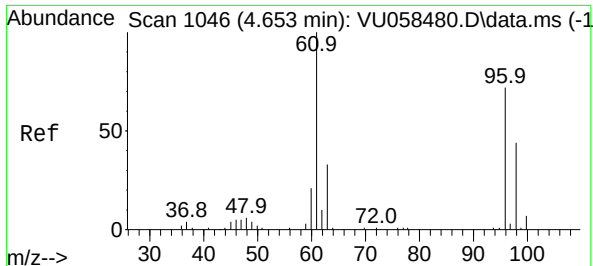
Tgt Ion: 63 Resp: 67684
Ion Ratio Lower Upper
63 100
65 30.0 22.9 42.5
83 12.4 9.6 17.8



#21
2-Butanone
Concen: 52.850 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

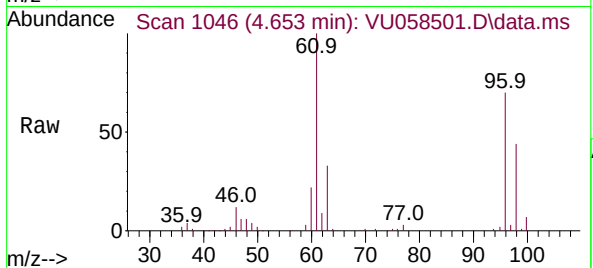
Tgt Ion: 43 Resp: 67365
Ion Ratio Lower Upper
43 100
72 25.7 11.7 35.0





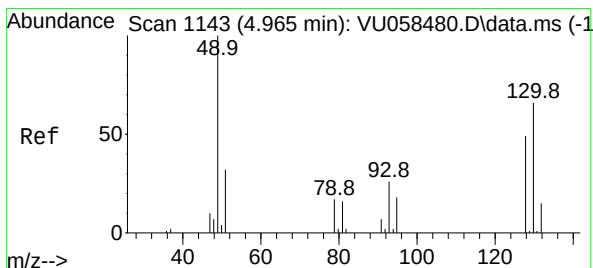
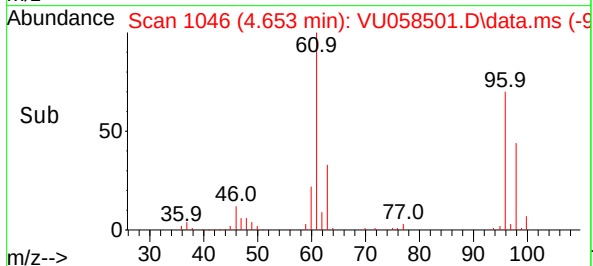
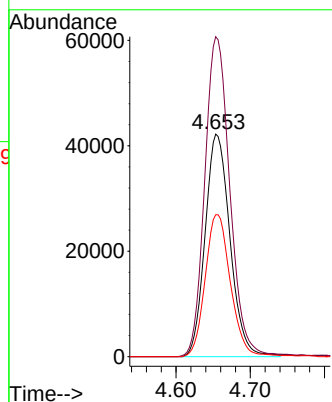
#22
 cis-1,2-Dichloroethene
 Concen: 16.491 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU058501.D
 Acq: 09 Apr 2024 04:23

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 98509

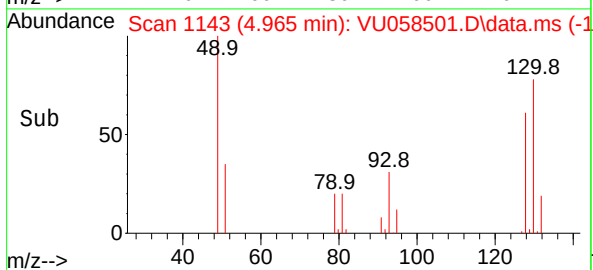
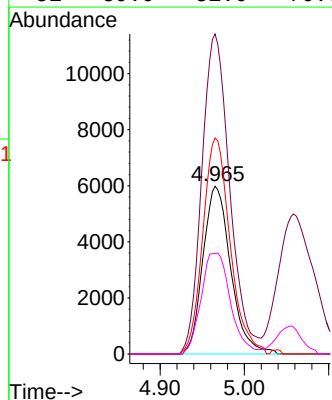
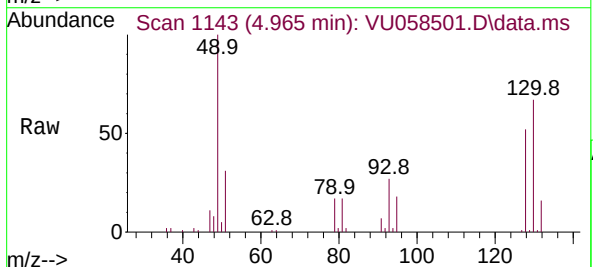
Ion	Ratio	Lower	Upper
96	100		
61	143.8	98.1	182.3
98	63.8	43.6	81.0

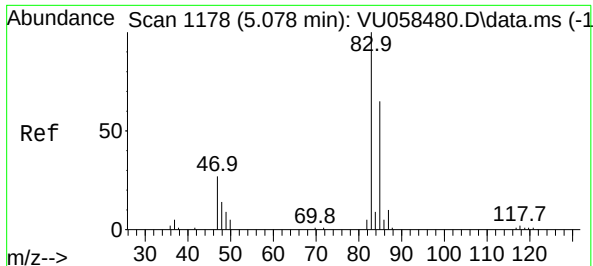


#23
 Bromochloromethane
 Concen: 5.815 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VU058501.D
 Acq: 09 Apr 2024 04:23

Tgt Ion: 128 Resp: 13685

Ion	Ratio	Lower	Upper
128	100		
49	190.8	134.4	249.6
130	128.8	90.0	167.2
51	59.9	51.0	76.6





#25

Chloroform

Concen: 5.777 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

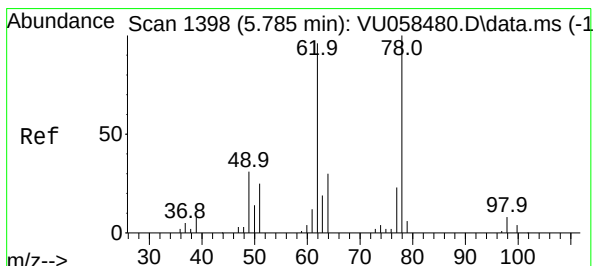
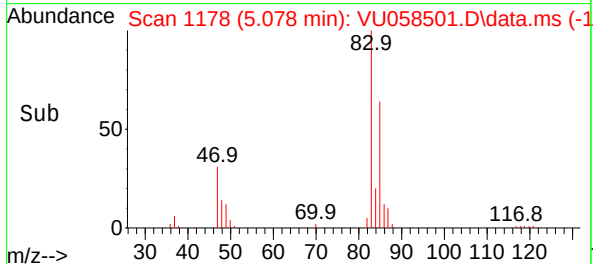
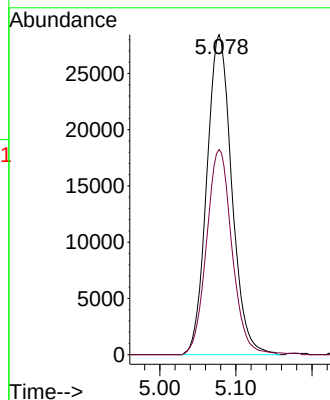
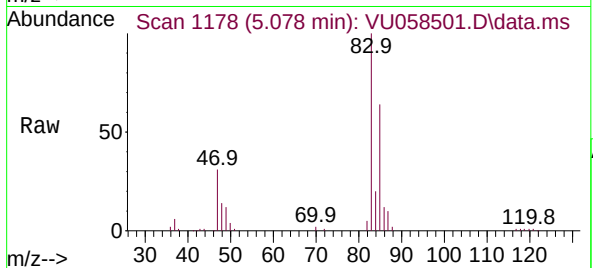
ClientSampleId :

Tgt Ion: 83 Resp: 64920

Ion Ratio Lower Upper

83 100

85 64.1 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.658 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU058501.D

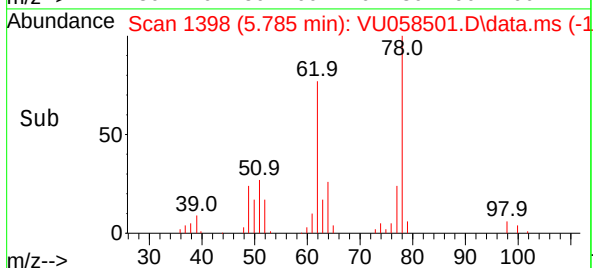
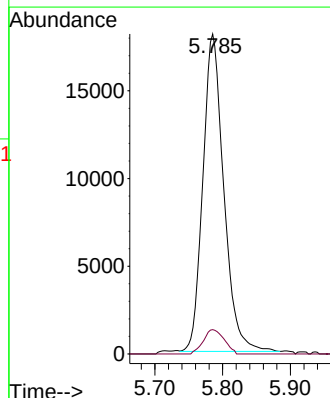
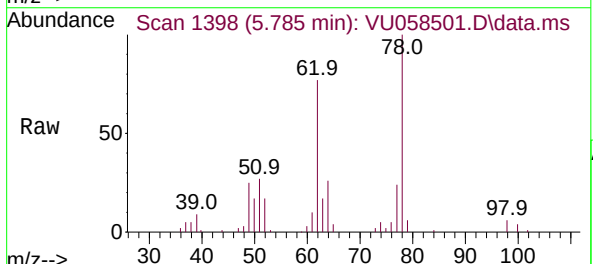
Acq: 09 Apr 2024 04:23

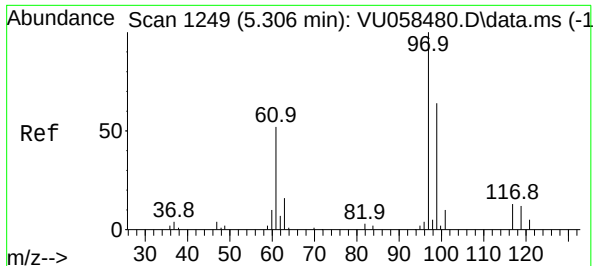
Tgt Ion: 62 Resp: 38716

Ion Ratio Lower Upper

62 100

98 7.6 7.0 10.4

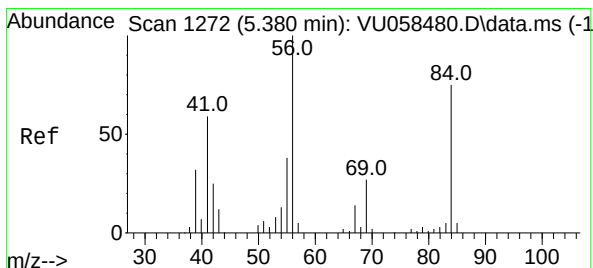
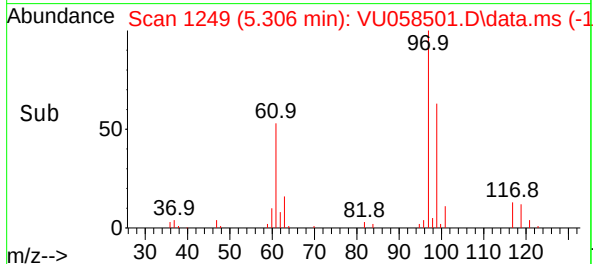
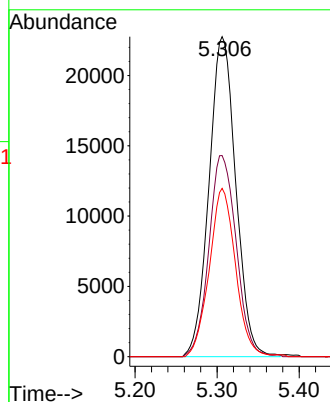
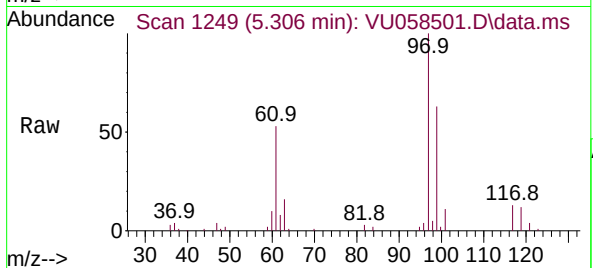




#29
1,1,1-Trichloroethane
Concen: 5.478 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

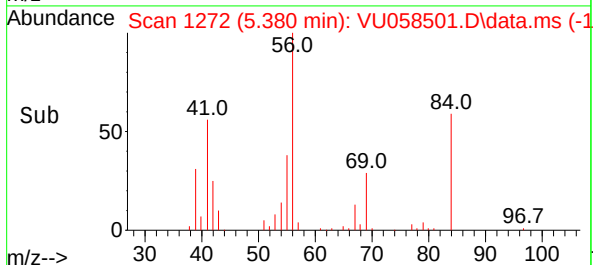
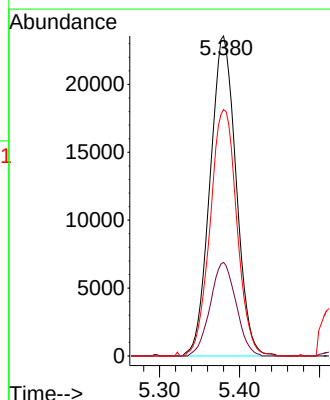
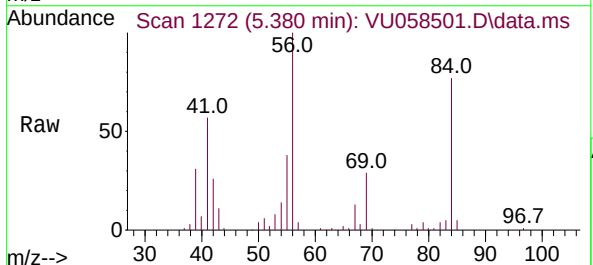
Instrument :
MSVOA_U
ClientSampleId :

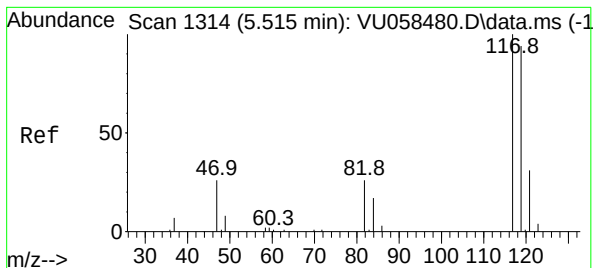
Tgt Ion: 97 Resp: 51652
Ion Ratio Lower Upper
97 100
99 64.2 50.4 75.6
61 51.7 39.4 59.0



#30
Cyclohexane
Concen: 5.343 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 56 Resp: 53203
Ion Ratio Lower Upper
56 100
69 29.0 23.2 34.8
84 79.0 63.3 94.9





#31

Carbon tetrachloride

Concen: 5.590 ug/L

RT: 5.515 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

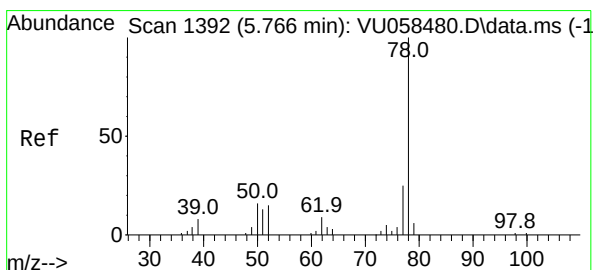
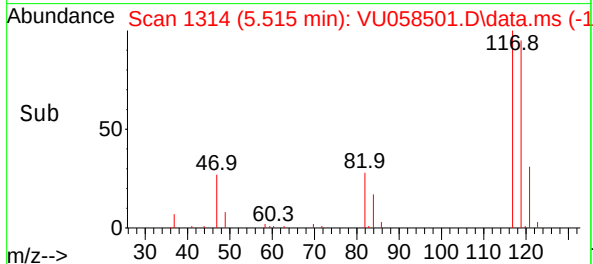
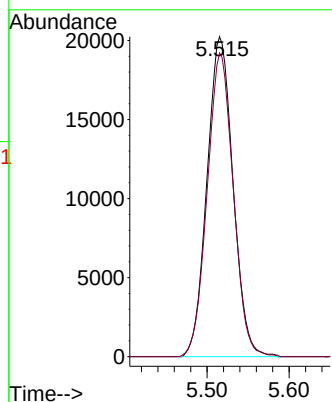
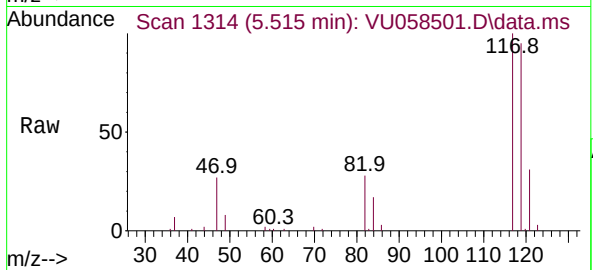
ClientSampleId :

Tgt Ion:117 Resp: 44638

Ion Ratio Lower Upper

117 100

119 95.0 76.7 115.1



#33

Benzene

Concen: 5.545 ug/L

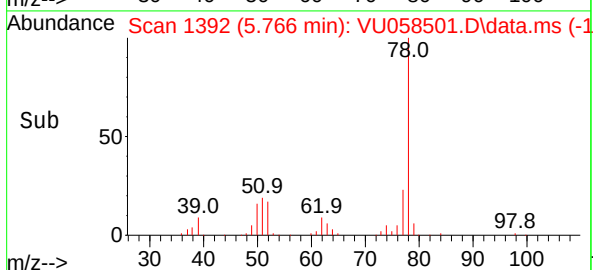
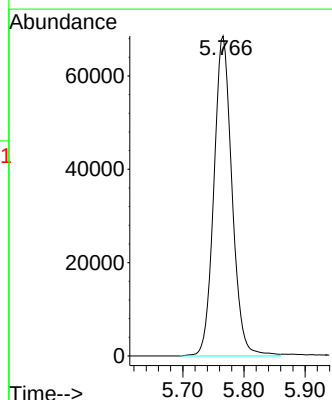
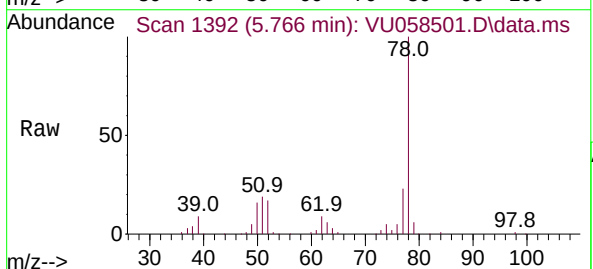
RT: 5.766 min Scan# 1392

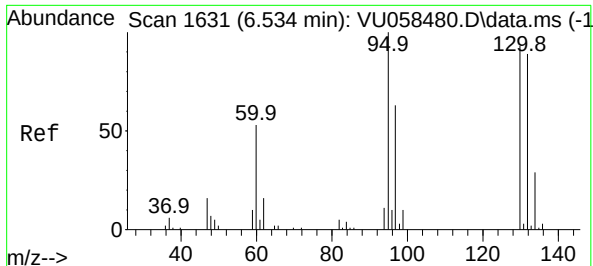
Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Tgt Ion: 78 Resp: 141358

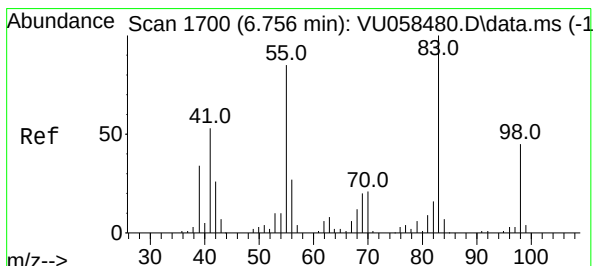
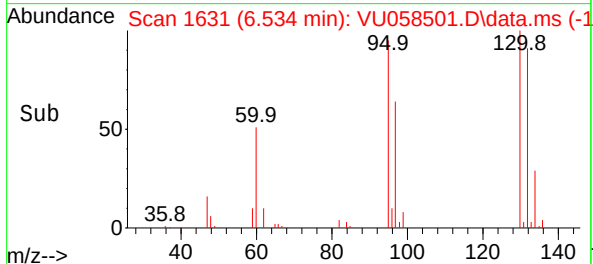
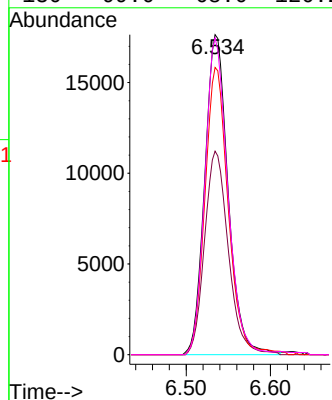
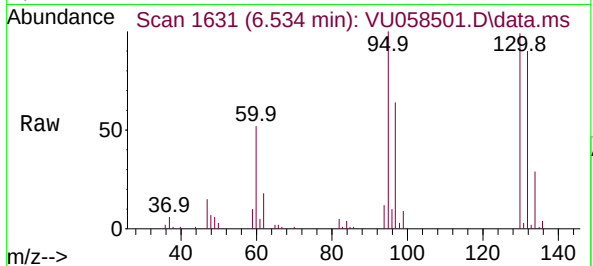




#34
Trichloroethene
Concen: 5.307 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

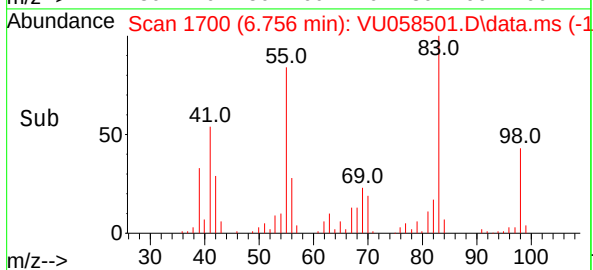
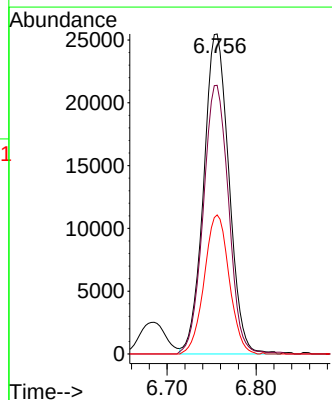
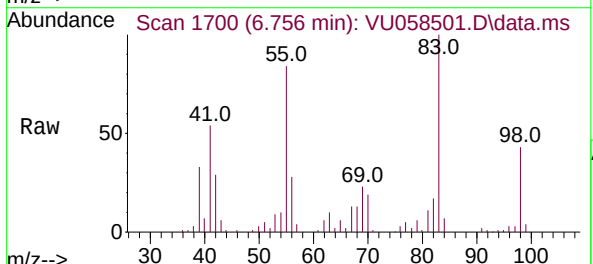
Instrument :
MSVOA_U
ClientSampleId :

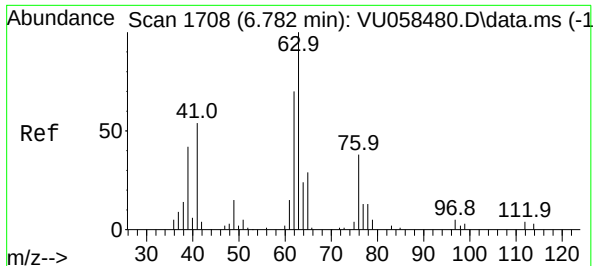
Tgt Ion: 95 Resp: 34103
Ion Ratio Lower Upper
95 100
97 63.6 45.6 84.6
132 89.7 64.8 120.3
130 99.0 68.0 126.2



#35
Methylcyclohexane
Concen: 5.199 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 83 Resp: 50334
Ion Ratio Lower Upper
83 100
55 83.7 66.2 99.4
98 42.7 34.6 52.0

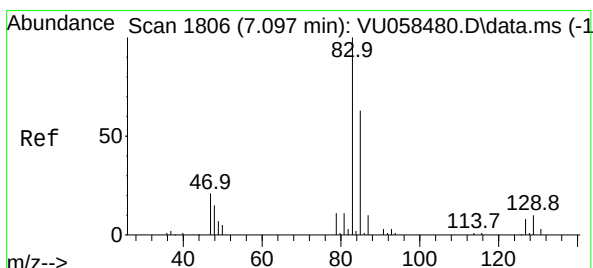
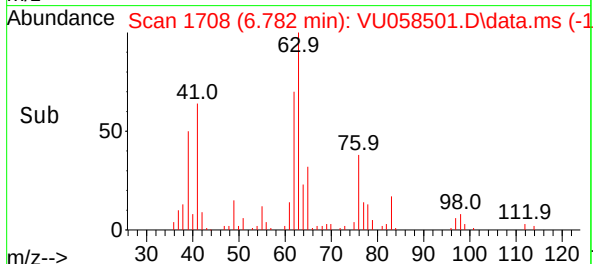
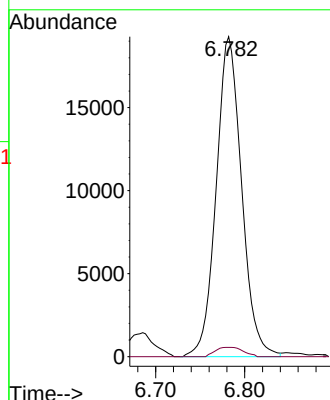
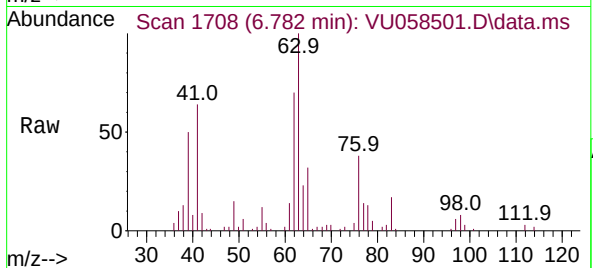




#37
1,2-Dichloropropane
Concen: 5.695 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

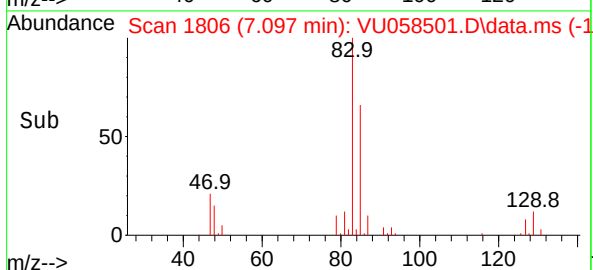
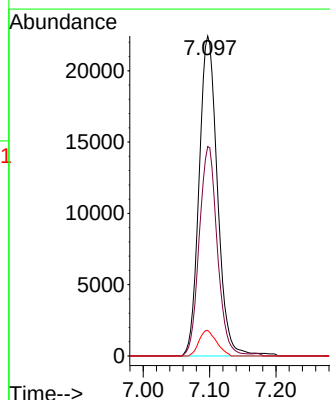
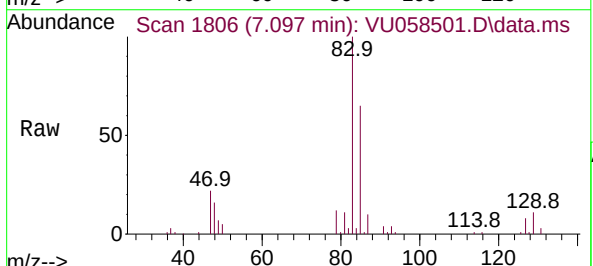
Instrument :
MSVOA_U
ClientSampleId :

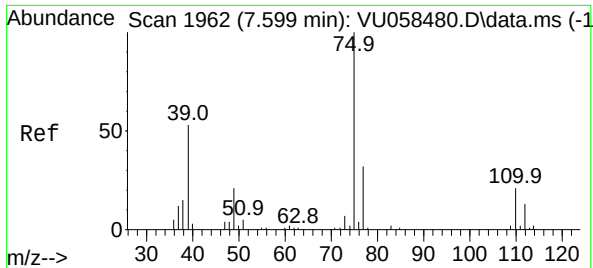
Tgt Ion: 63 Resp: 38198
Ion Ratio Lower Upper
63 100
112 3.2 2.6 4.0



#38
Bromodichloromethane
Concen: 5.638 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 83 Resp: 43160
Ion Ratio Lower Upper
83 100
85 65.4 44.2 82.2
127 8.0 6.5 9.7

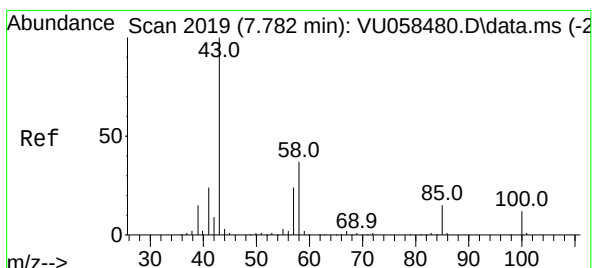
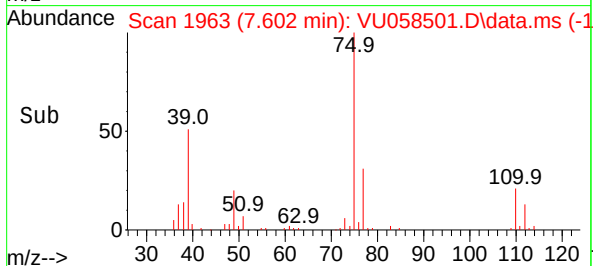
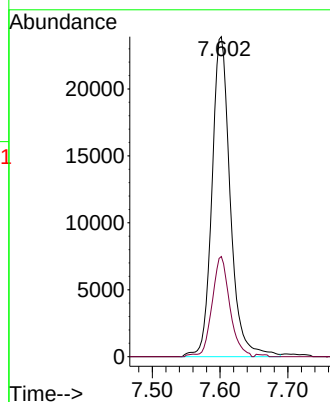
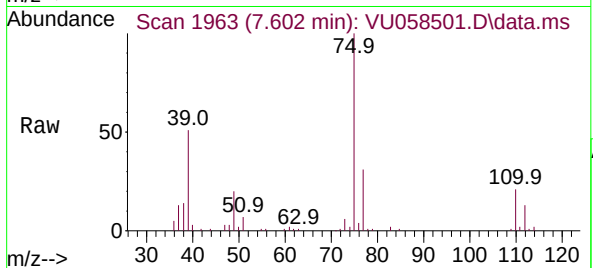




#39
cis-1,3-Dichloropropene
Concen: 5.275 ug/L
RT: 7.602 min Scan# 1962
Delta R.T. 0.003 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

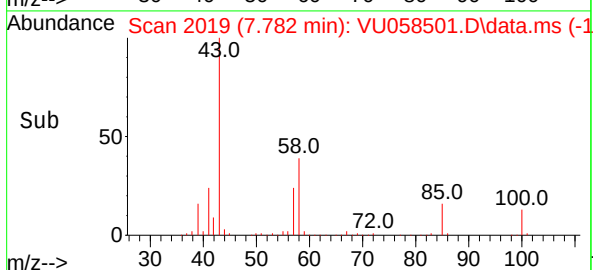
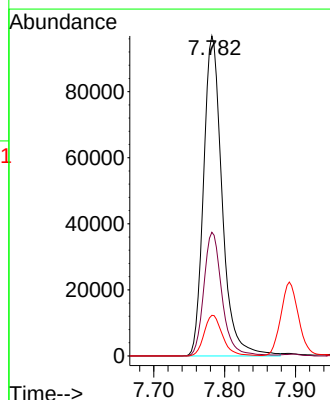
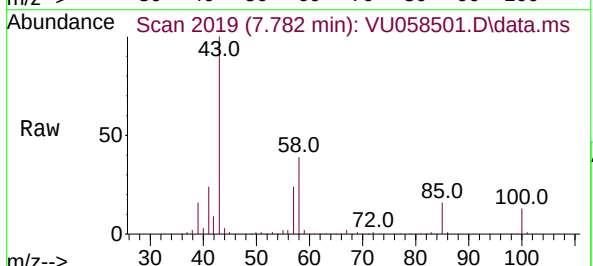
Instrument :
MSVOA_U
ClientSampleId :

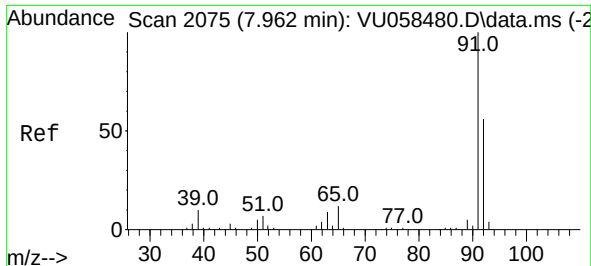
Tgt Ion: 75 Resp: 44990
Ion Ratio Lower Upper
75 100
77 31.3 22.7 42.3



#40
4-Methyl-2-pentanone
Concen: 55.957 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 43 Resp: 176650
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6
100 12.7 10.3 15.5





#42

Toluene

Concen: 5.514 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

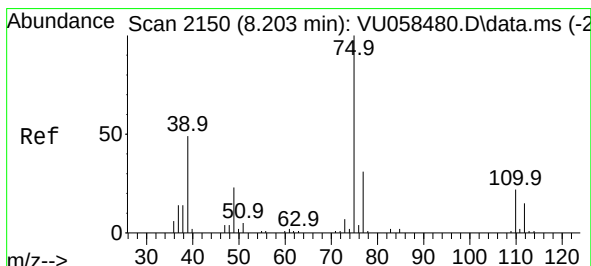
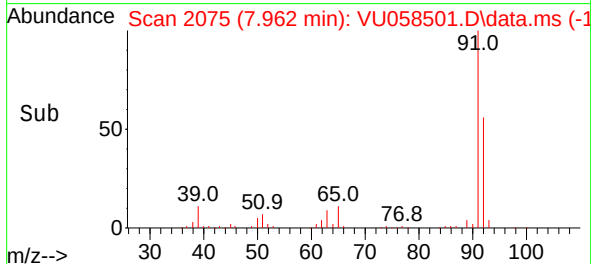
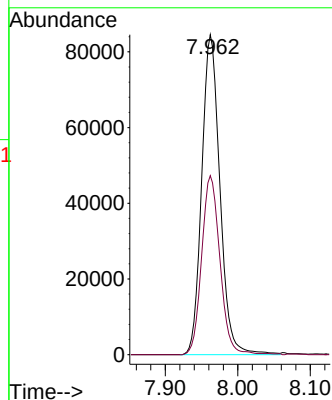
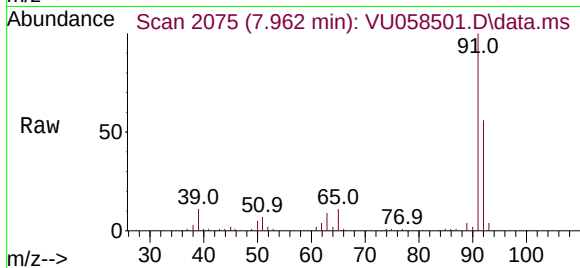
ClientSampleId :

Tgt Ion: 91 Resp: 147439

Ion Ratio Lower Upper

91 100

92 56.0 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.321 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058501.D

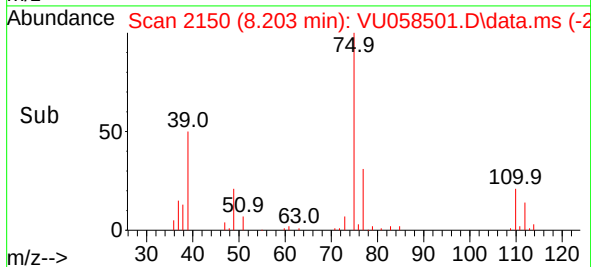
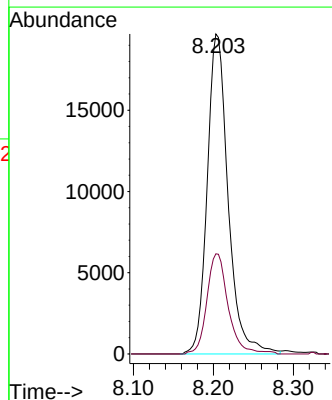
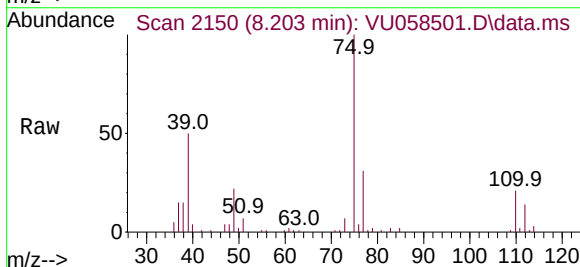
Acq: 09 Apr 2024 04:23

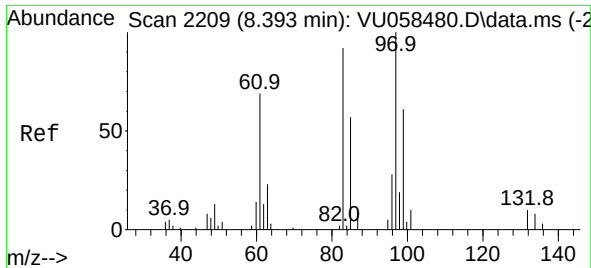
Tgt Ion: 75 Resp: 35788

Ion Ratio Lower Upper

75 100

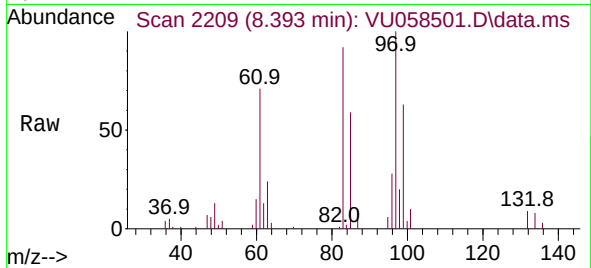
77 31.3 22.2 41.2



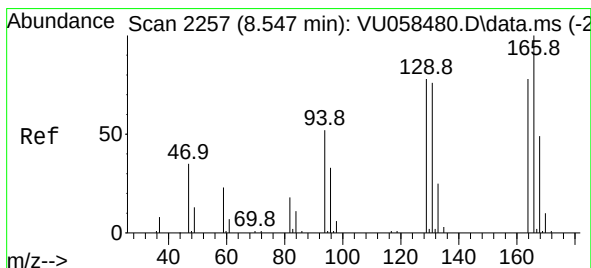
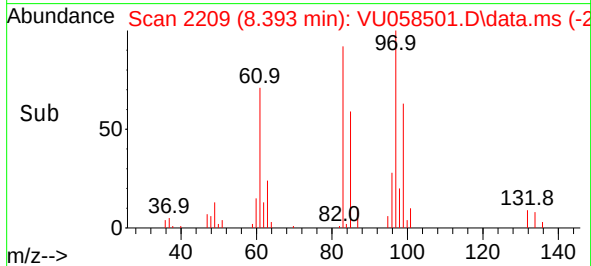
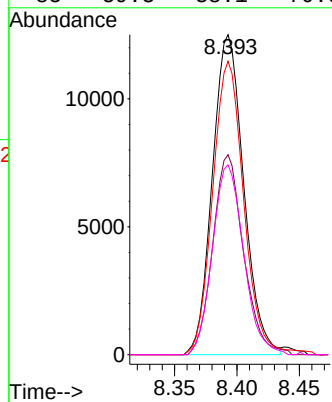


#45
1,1,2-Trichloroethane
Concen: 5.578 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Instrument :
MSVOA_U
ClientSampleId :

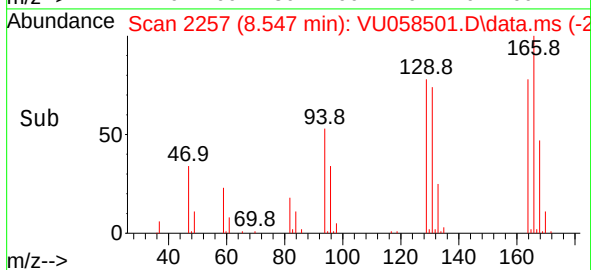
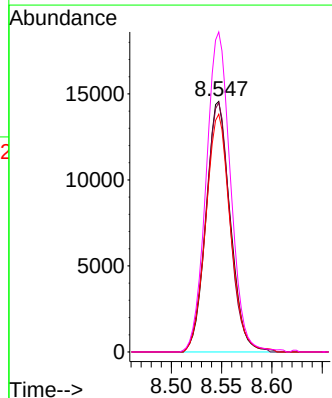
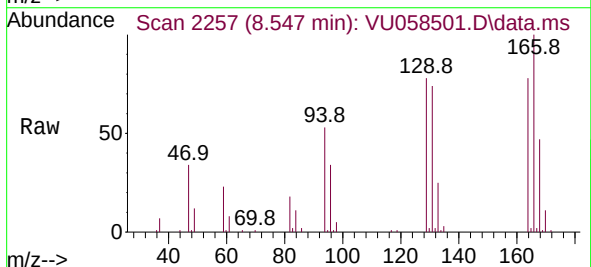


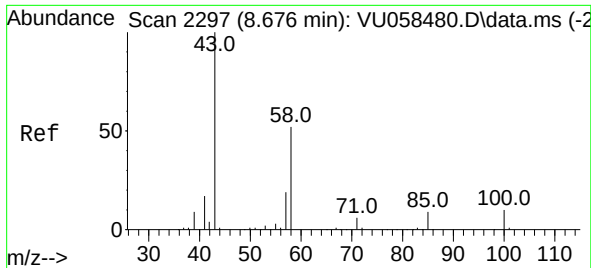
Tgt Ion:	97	Resp:	21851
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.7	81.1
83	91.7	64.5	119.7
85	59.3	38.1	70.9



#47
Tetrachloroethene
Concen: 5.158 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion:	164	Resp:	24297
Ion	Ratio	Lower	Upper
164	100		
129	99.6	67.3	125.1
131	94.9	65.5	121.6
166	127.7	89.5	166.1



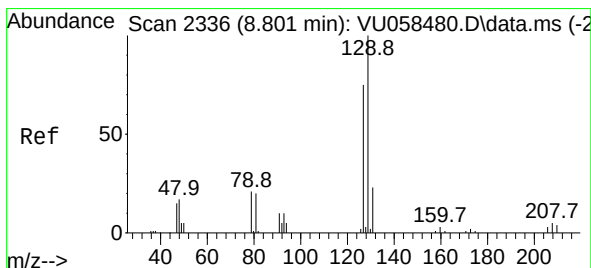
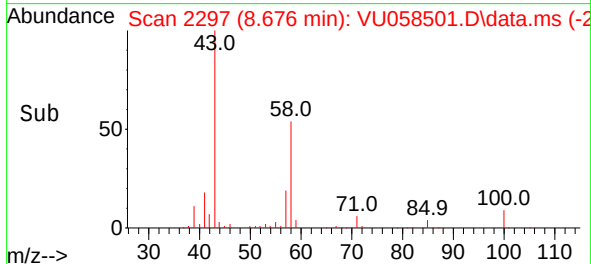
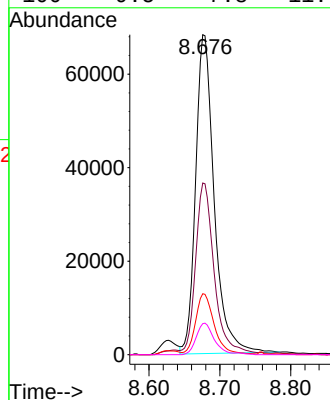
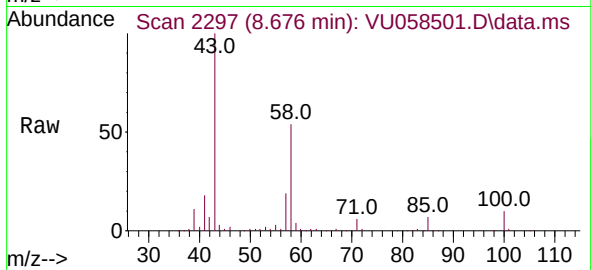


#48
2-Hexanone
Concen: 55.542 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 124478

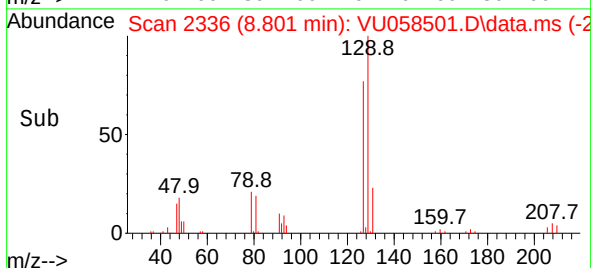
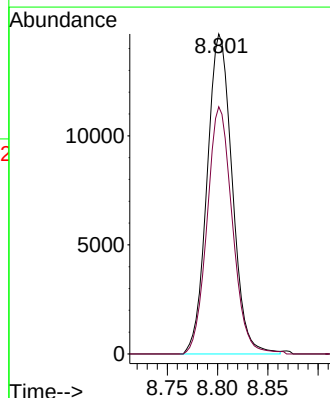
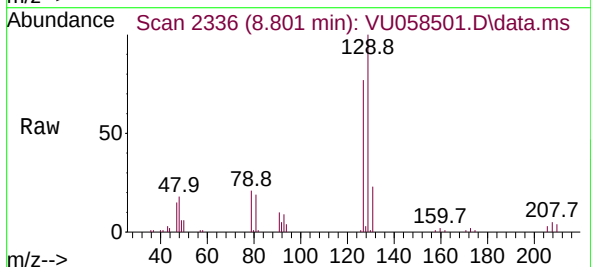
Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.2	64.8
57	18.7	15.4	23.0
100	9.5	7.8	11.6

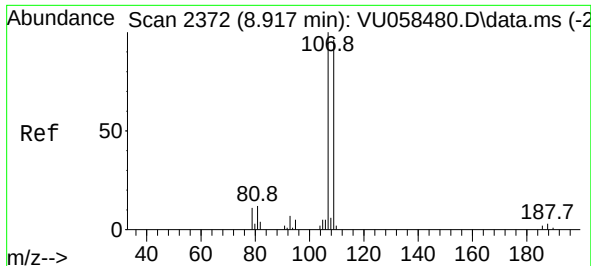


#49
Dibromochloromethane
Concen: 5.634 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 129 Resp: 25513

Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.5	99.5





#50

1,2-Dibromoethane

Concen: 5.439 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

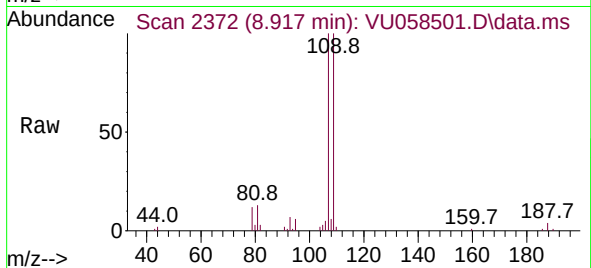
Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

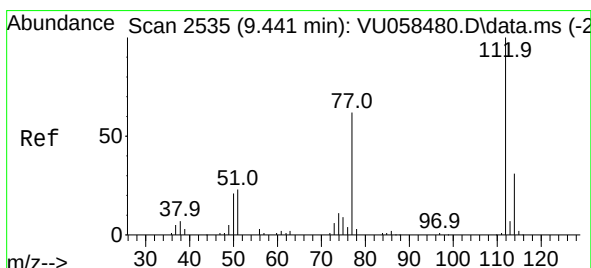
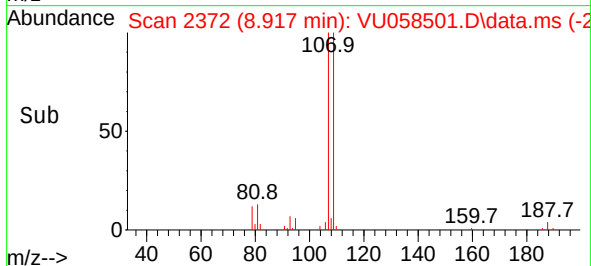
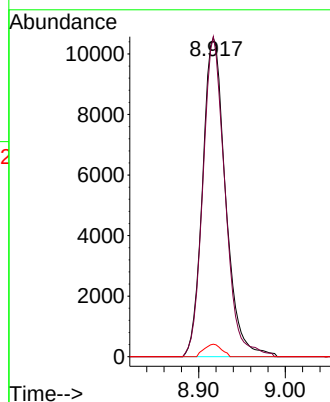
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	19484
Ion Ratio	Lower	Upper	
107	100		
109	100.3	67.3	124.9
188	3.9	2.5	3.7#



#51

Chlorobenzene

Concen: 5.407 ug/L

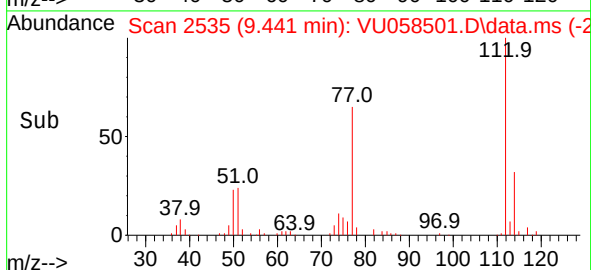
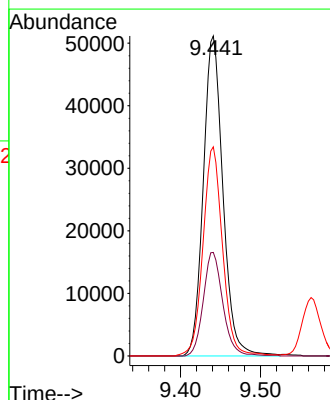
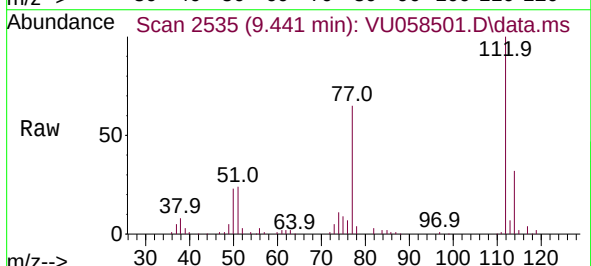
RT: 9.441 min Scan# 2535

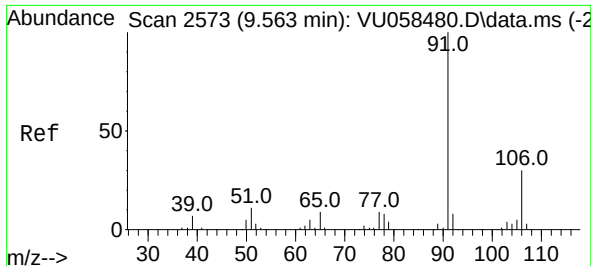
Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Tgt Ion:	112	Resp:	87474
Ion Ratio	Lower	Upper	
112	100		
114	32.4	22.4	41.6
77	65.3	50.1	75.1

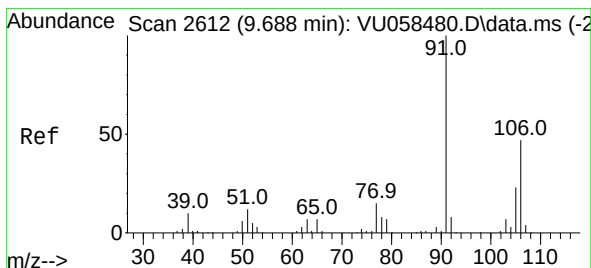
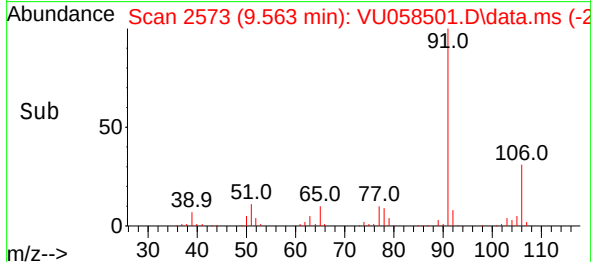
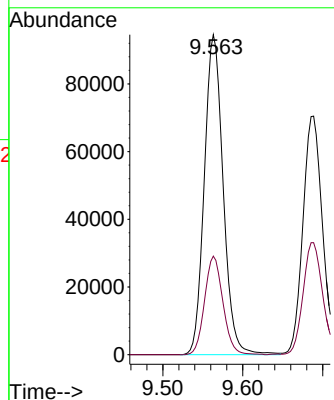
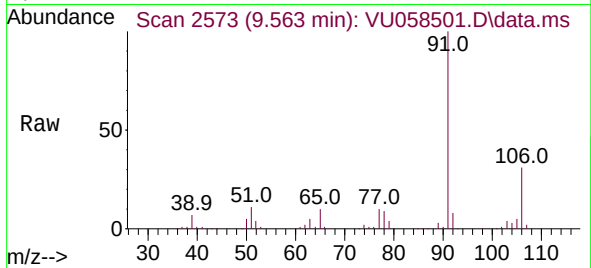




#52
Ethylbenzene
Concen: 5.484 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

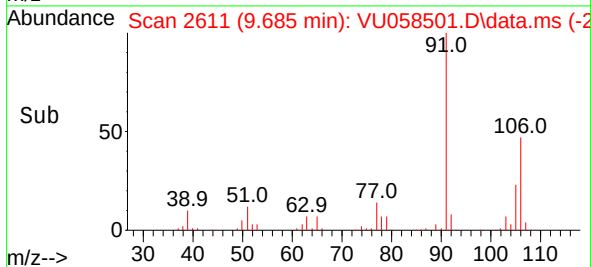
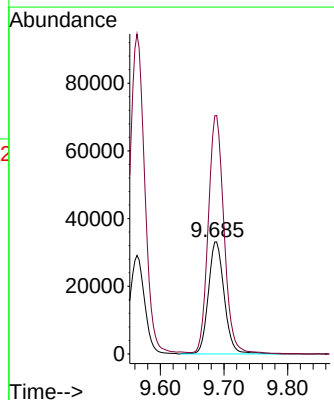
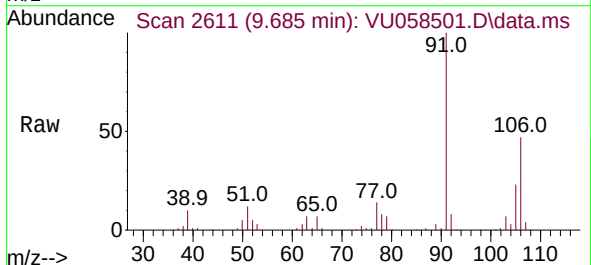
Instrument :
MSVOA_U
ClientSampleId :

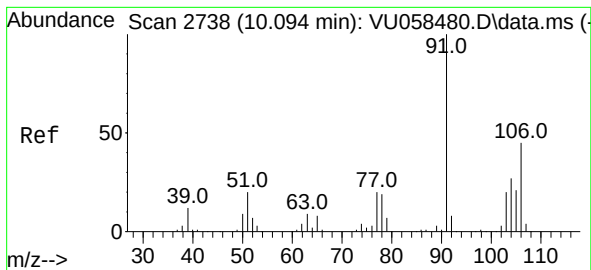
Tgt Ion: 91 Resp: 155351
Ion Ratio Lower Upper
91 100
106 30.8 20.6 38.4



#53
m,p-Xylene
Concen: 5.649 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 106 Resp: 57300
Ion Ratio Lower Upper
106 100
91 212.4 147.8 274.4





#54

o-Xylene

Concen: 5.496 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

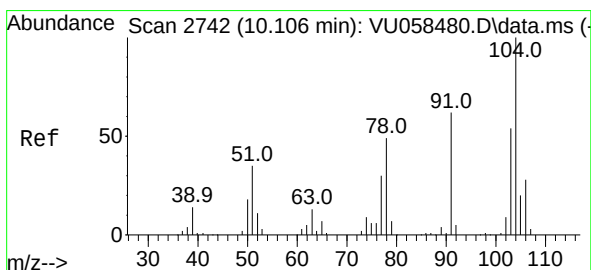
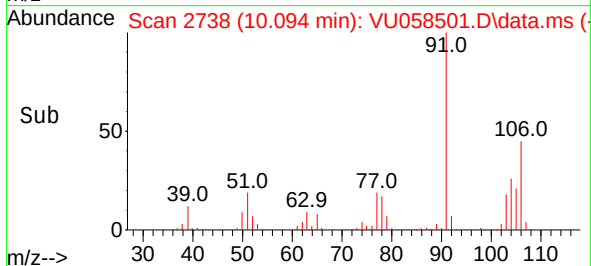
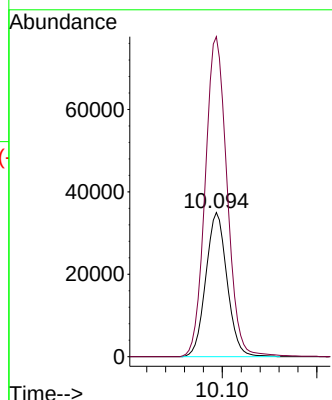
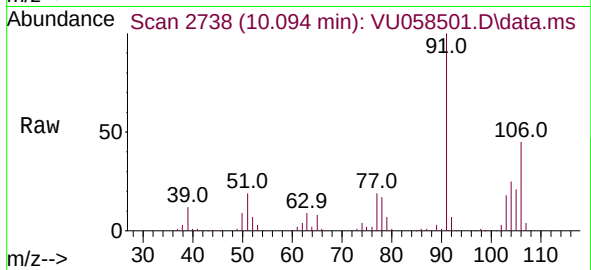
ClientSampleId :

Tgt Ion:106 Resp: 54652

Ion Ratio Lower Upper

106 100

91 221.9 156.9 291.5



#55

Styrene

Concen: 5.554 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU058501.D

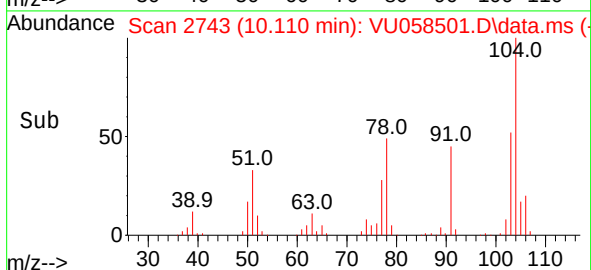
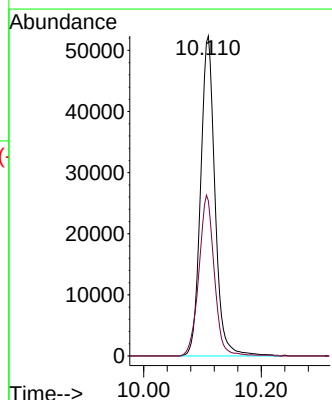
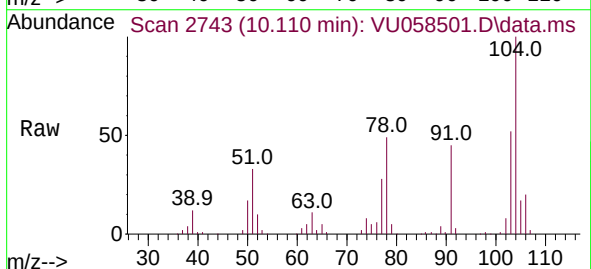
Acq: 09 Apr 2024 04:23

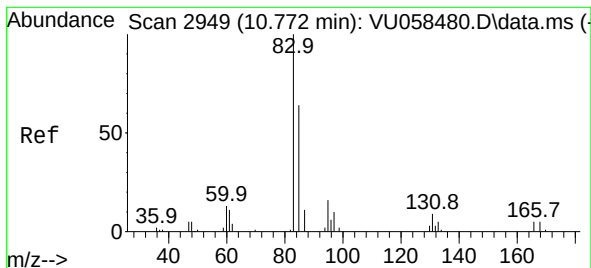
Tgt Ion:104 Resp: 88867

Ion Ratio Lower Upper

104 100

78 48.5 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.609 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

ClientSampleId :

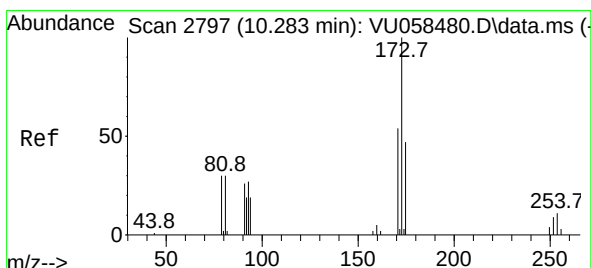
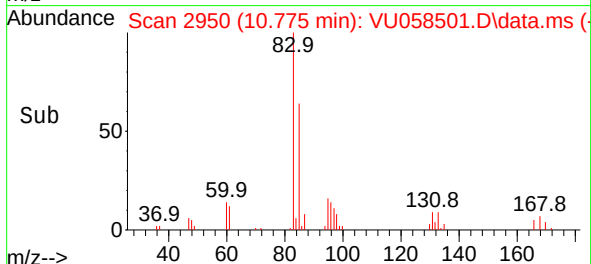
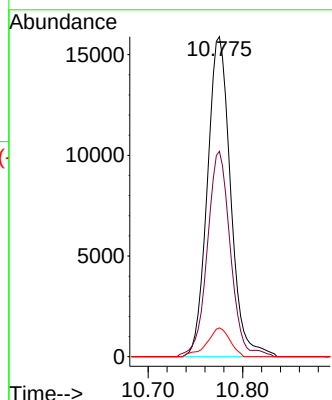
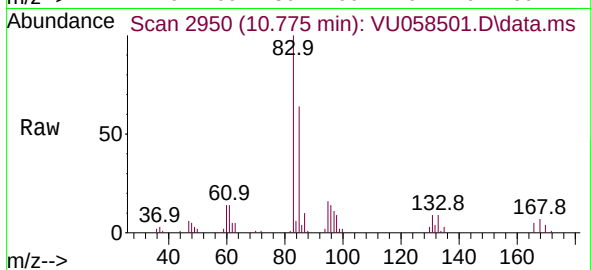
Tgt Ion: 83 Resp: 27102

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

131 9.0 6.9 10.3



#59

Bromoform

Concen: 5.213 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

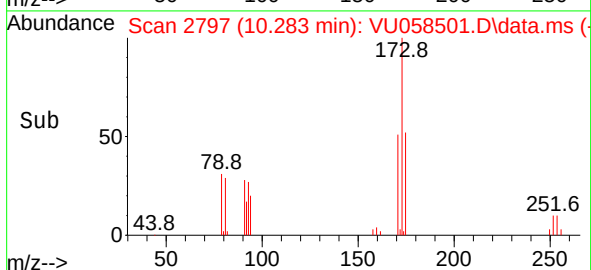
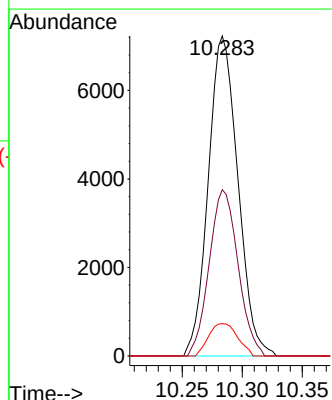
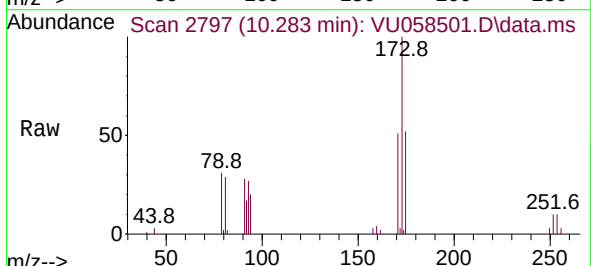
Tgt Ion:173 Resp: 12395

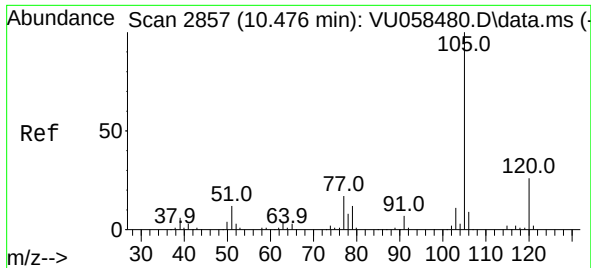
Ion Ratio Lower Upper

173 100

175 50.6 38.0 57.0

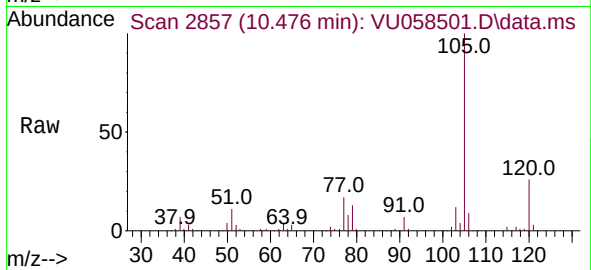
254 9.9 7.5 11.3



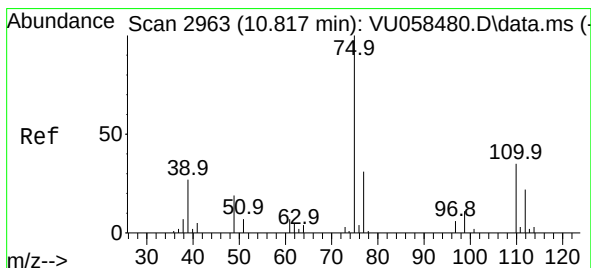
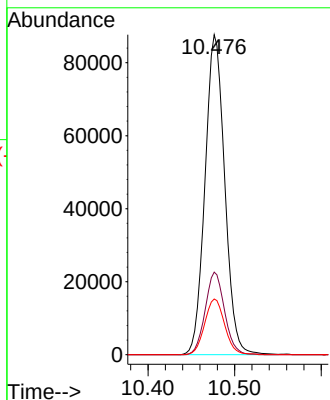
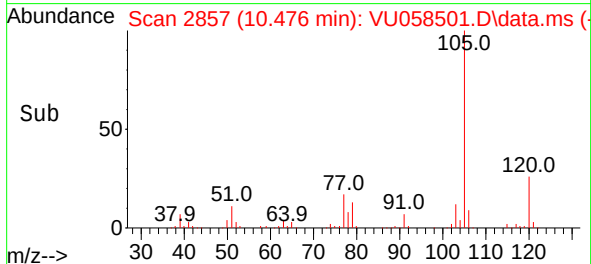


#60
Isopropylbenzene
Concen: 5.329 ug/L
RT: 10.476 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Instrument :
MSVOA_U
ClientSampleId :

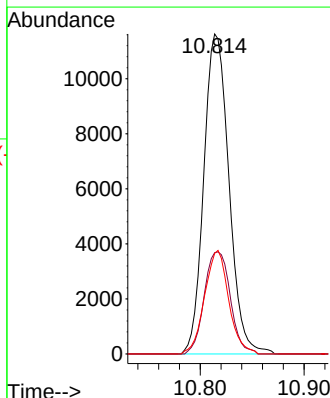
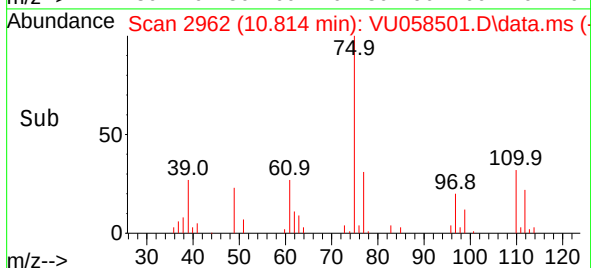
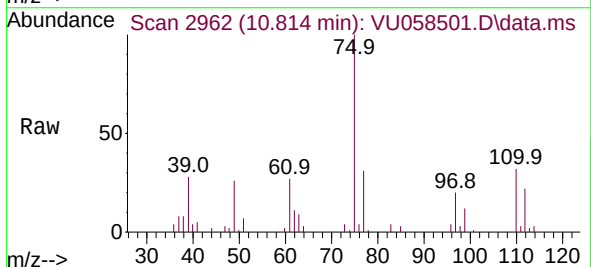


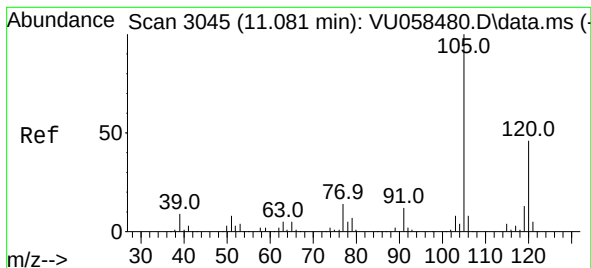
Tgt Ion:105 Resp: 138825
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4
77 17.6 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 5.387 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.003 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

Tgt Ion: 75 Resp: 19561
Ion Ratio Lower Upper
75 100
110 32.9 25.8 38.6
77 31.1 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 5.284 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

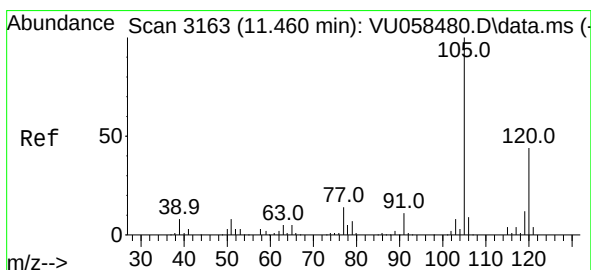
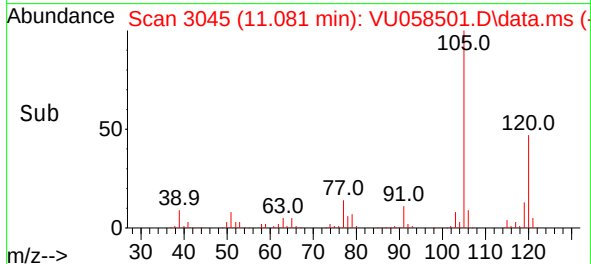
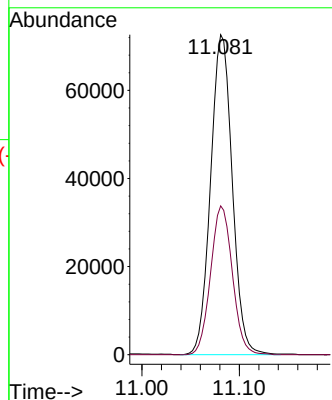
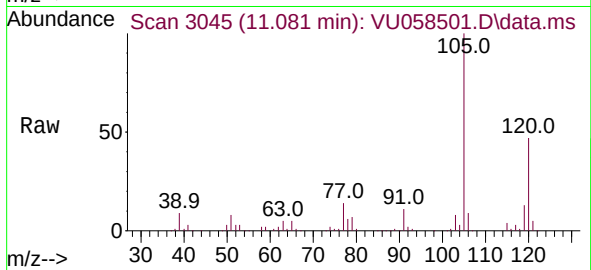
ClientSampleId :

Tgt Ion:105 Resp: 112263

Ion Ratio Lower Upper

105 100

120 46.7 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.321 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU058501.D

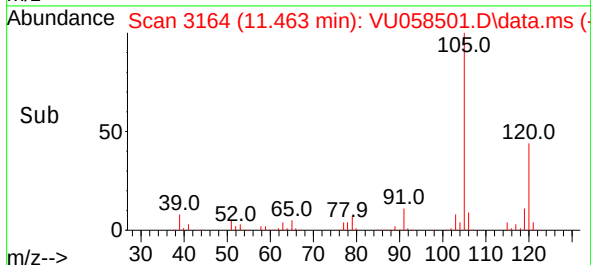
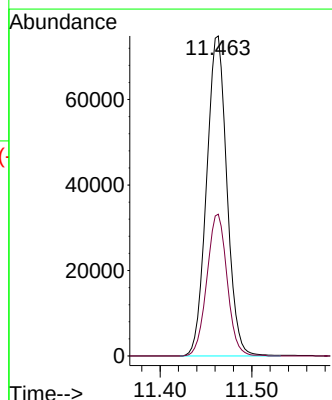
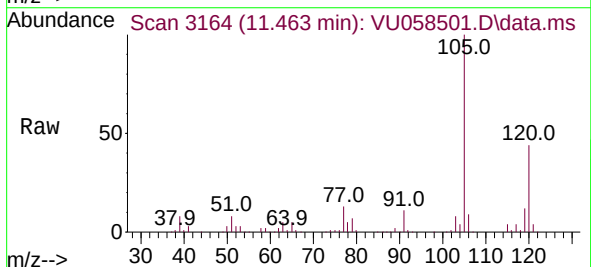
Acq: 09 Apr 2024 04:23

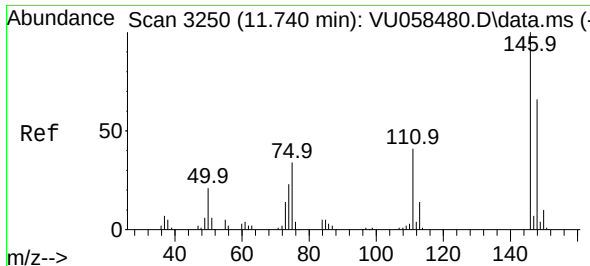
Tgt Ion:105 Resp: 115430

Ion Ratio Lower Upper

105 100

120 44.1 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 5.292 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

ClientSampleId :

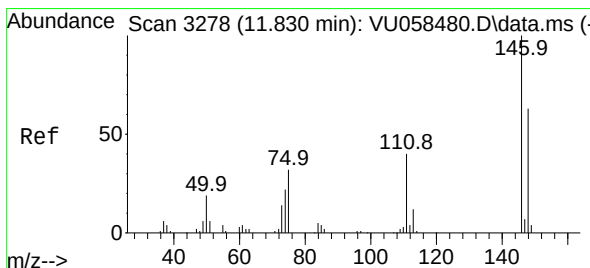
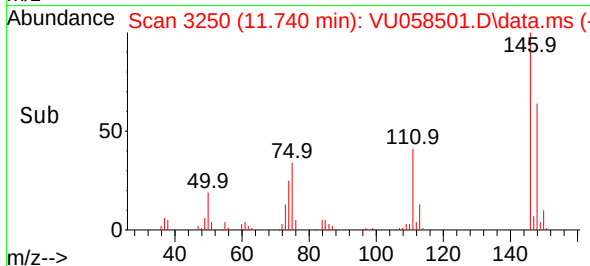
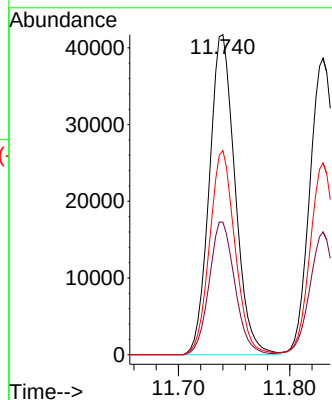
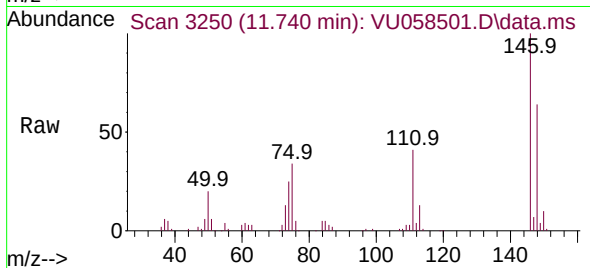
Tgt Ion:146 Resp: 66967

Ion Ratio Lower Upper

146 100

111 41.4 28.8 53.4

148 63.8 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 5.275 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

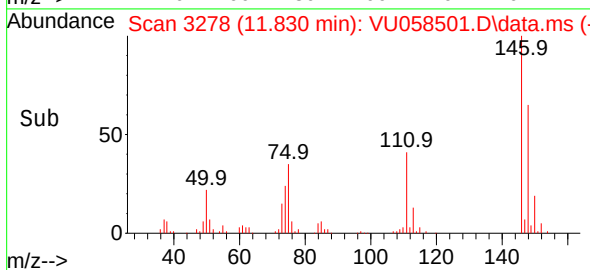
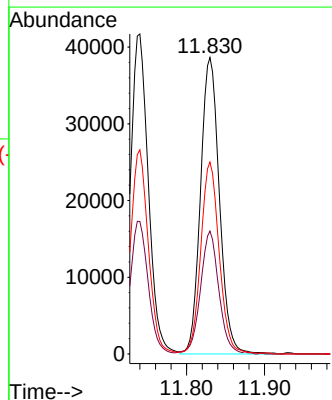
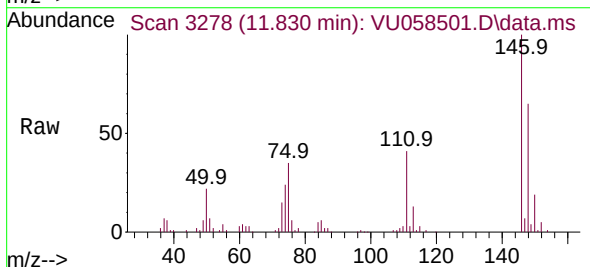
Tgt Ion:146 Resp: 65037

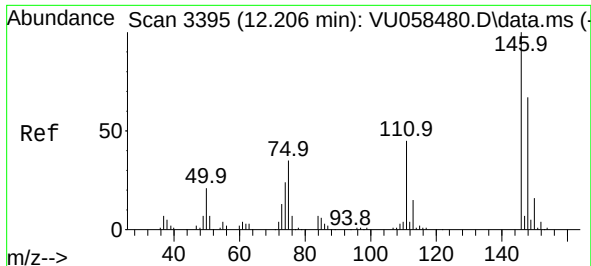
Ion Ratio Lower Upper

146 100

111 41.4 28.8 53.6

148 64.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.077 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

ClientSampleId :

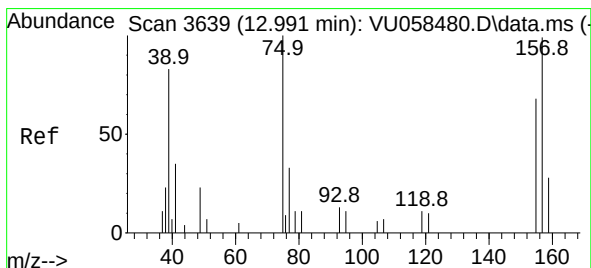
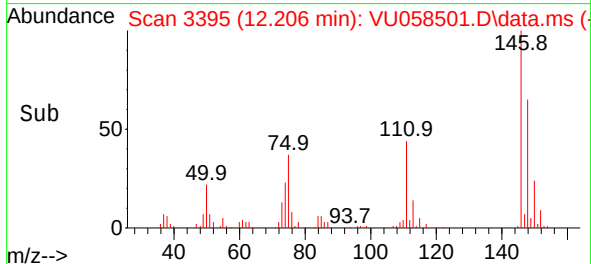
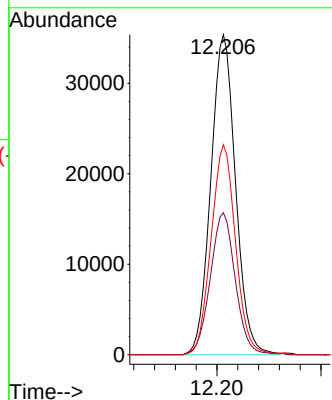
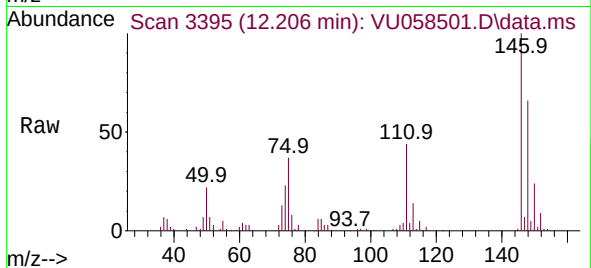
Tgt Ion:146 Resp: 58439

Ion Ratio Lower Upper

146 100

111 44.4 35.0 52.4

148 65.6 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.673 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

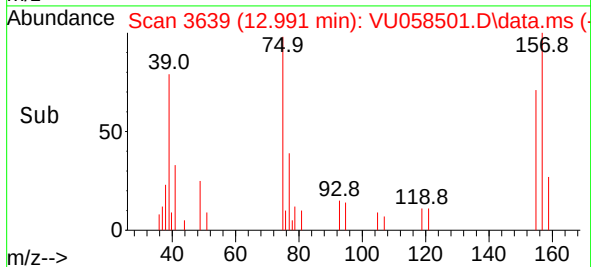
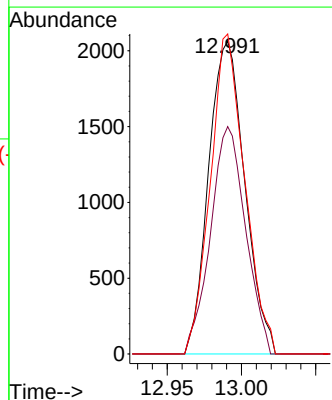
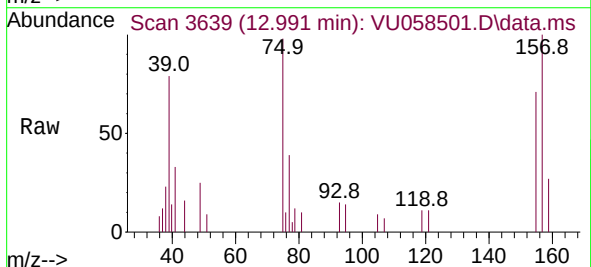
Tgt Ion: 75 Resp: 3493

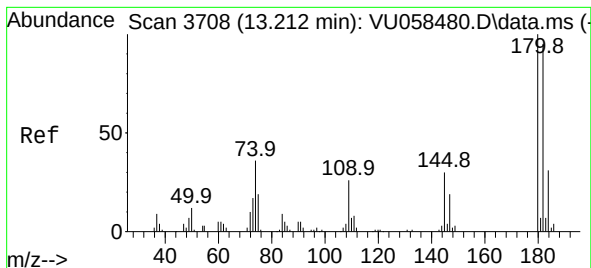
Ion Ratio Lower Upper

75 100

155 72.7 61.4 92.0

157 102.3 81.7 122.5





#69

1,3,5-Trichlorobenzene

Concen: 5.046 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

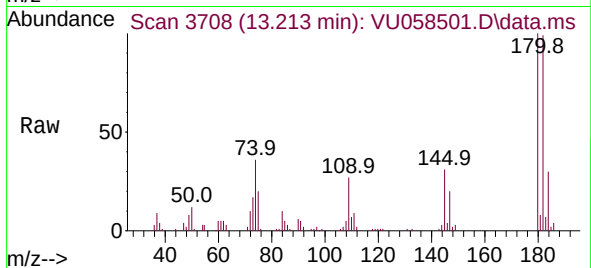
Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 47218

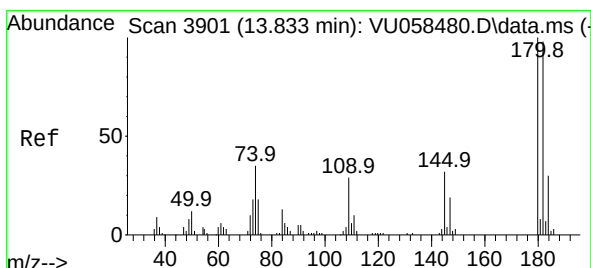
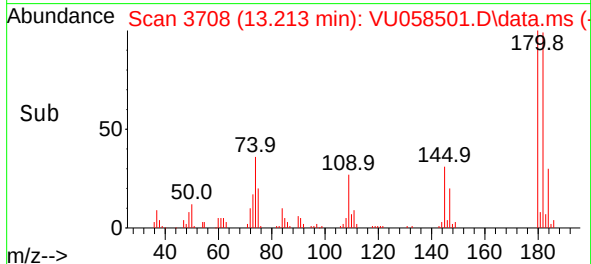
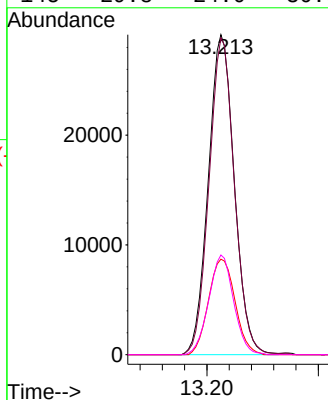
Ion Ratio Lower Upper

180 100

182 96.5 75.7 113.5

184 30.5 24.3 36.5

145 29.8 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.918 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058501.D

Acq: 09 Apr 2024 04:23

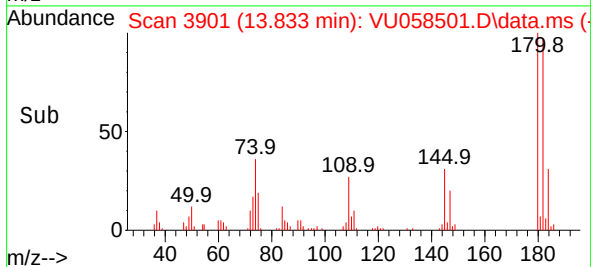
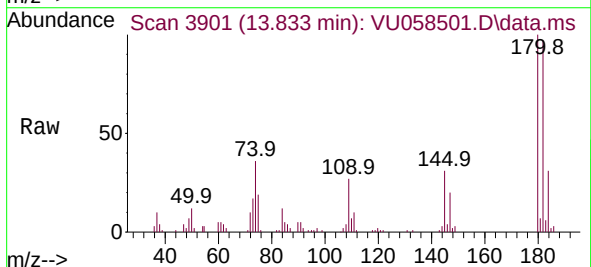
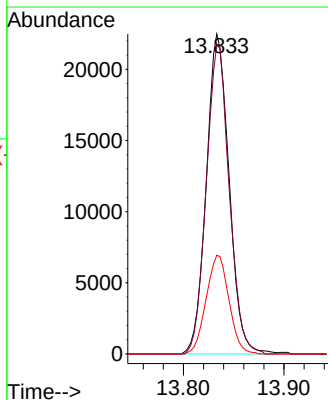
Tgt Ion:180 Resp: 35487

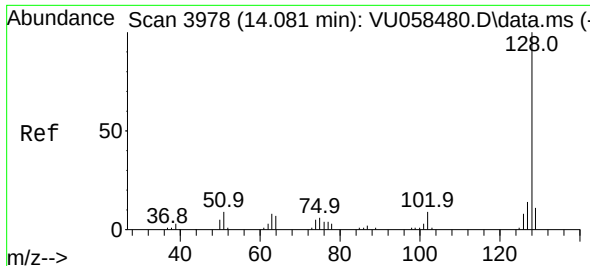
Ion Ratio Lower Upper

180 100

182 96.7 74.4 111.6

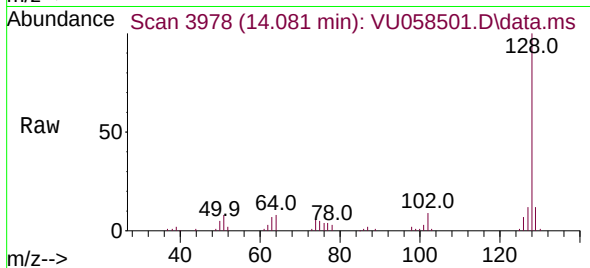
145 30.8 24.1 36.1



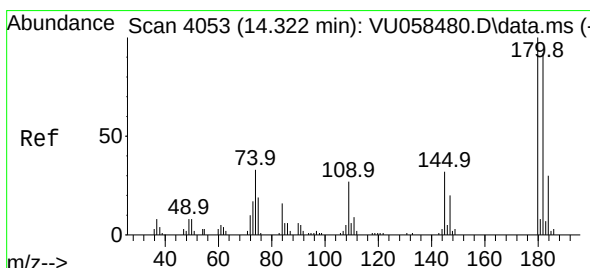
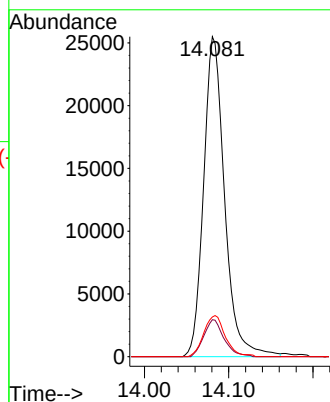
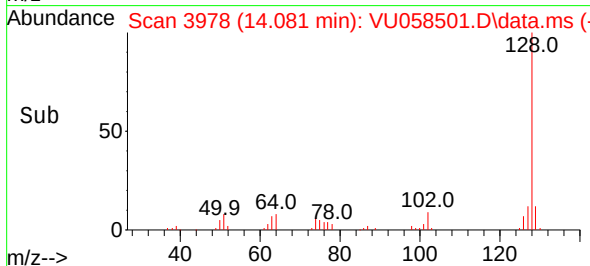


#71
Naphthalene
Concen: 4.472 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23

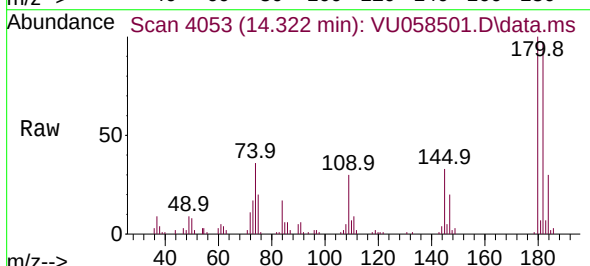
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 44216
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.2 11.0 16.6



#72
1,2,3-Trichlorobenzene
Concen: 4.992 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU058501.D
Acq: 09 Apr 2024 04:23



Tgt Ion:180 Resp: 29745
Ion Ratio Lower Upper
180 100
182 97.1 75.9 113.9
145 33.3 25.2 37.8

