

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055628.D
 Acq On : 03 Oct 2023 01:25
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:26:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 03 06:03:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	180139	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	185903	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	105535	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	74408	4.087	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.914	69	71247	4.441	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.567	65	29981	4.001	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.634	46	178104	54.159	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.320%
24) Chloroform-d	5.062	84	162836	4.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.698	65	77314	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.724	84	300493	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.685	67	97032	4.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.894	98	270095	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	32509	4.768	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.634	63	109305	52.706	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.420%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	75889	5.212	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	95378	4.478	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	79345	4.524	ug/L	96
3) Chloromethane	1.518	50	80246	5.201	ug/L	99
5) Vinyl chloride	1.602	62	89644	5.386	ug/L	98
6) Bromomethane	1.859	94	47795	4.521	ug/L	97
8) Chloroethane	1.933	64	56961	5.244	ug/L	99
9) Trichlorofluoromethane	2.139	101	126939	5.500	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	65660	4.675	ug/L	99
12) 1,1-Dichloroethene	2.579	96	60774	4.825	ug/L	94
13) Acetone	2.647	43	85165	45.432	ug/L	98
14) Carbon disulfide	2.792	76	184005	4.860	ug/L	99
15) Methyl Acetate	2.956	43	20001	4.680	ug/L	98
16) Methylene chloride	3.042	84	84138	5.576	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	136737	5.005	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	62809	4.948	ug/L	98
19) 1,1-Dichloroethane	3.866	63	124155	5.289	ug/L	98
21) 2-Butanone	4.718	43	139212	50.634	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	78016	5.301	ug/L	95
23) Bromochloromethane	4.972	128	31003	4.984	ug/L	92
25) Chloroform	5.084	83	130060	5.232	ug/L	99

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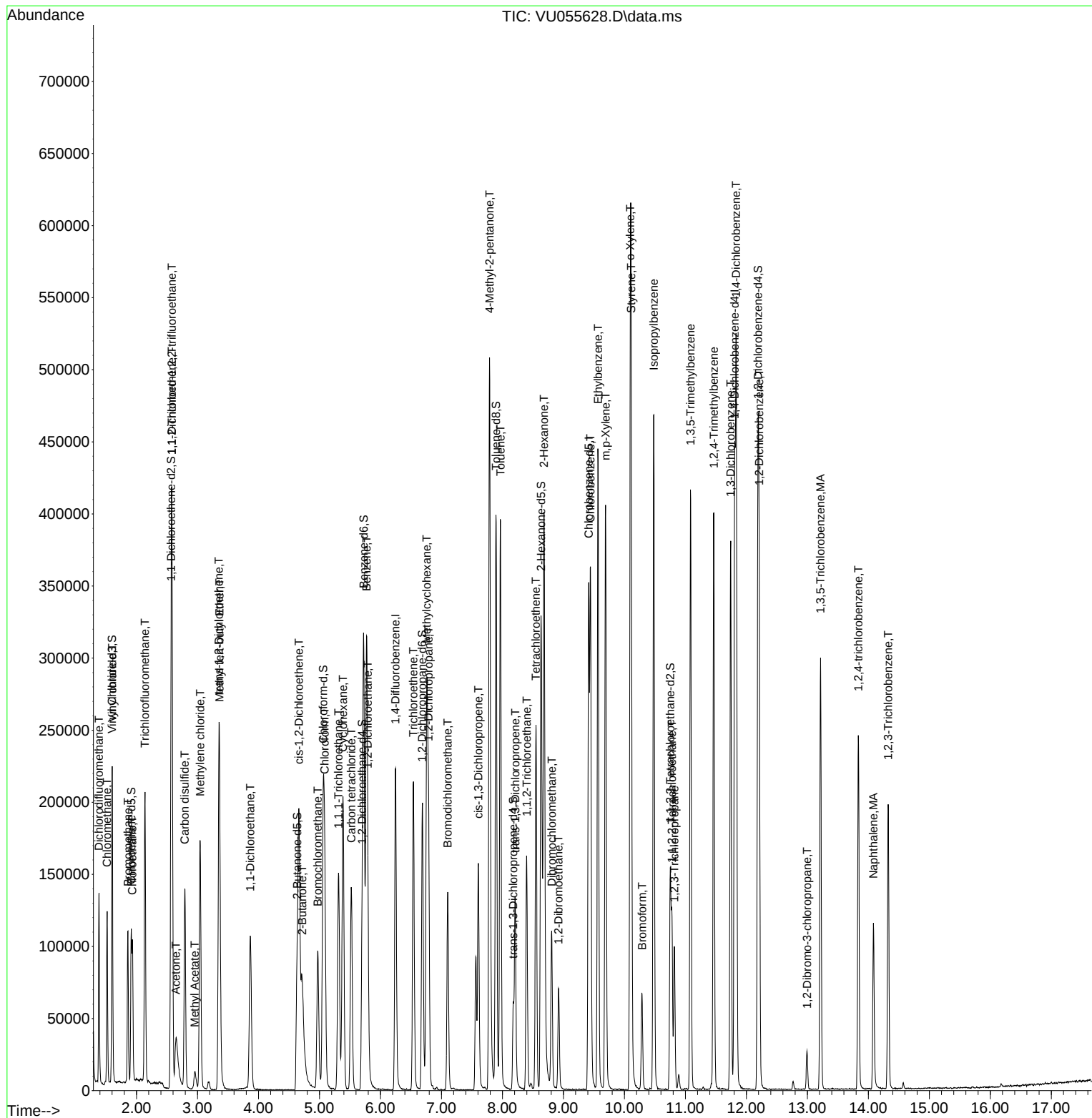
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	81166	5.324	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	111814	5.276	ug/L	99
30) Cyclohexane	5.386	56	93895	4.840	ug/L	99
31) Carbon tetrachloride	5.521	117	93692	5.158	ug/L	96
33) Benzene	5.772	78	280021	5.233	ug/L	100
34) Trichloroethene	6.541	95	73773	4.874	ug/L	97
35) Methylcyclohexane	6.759	83	102988	4.724	ug/L	99
37) 1,2-Dichloropropane	6.788	63	71791	5.130	ug/L	100
38) Bromodichloromethane	7.103	83	90348	5.510	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	94437	5.056	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	334087	52.632	ug/L	99
42) Toluene	7.968	91	295555	5.179	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	79095	5.293	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	51042	5.202	ug/L	99
47) Tetrachloroethene	8.550	164	53121	4.893	ug/L	97
48) 2-Hexanone	8.682	43	262767	53.413	ug/L	96
49) Dibromochloromethane	8.807	129	54629	5.311	ug/L	98
50) 1,2-Dibromoethane	8.920	107	48241	5.298	ug/L #	95
51) Chlorobenzene	9.444	112	187375	5.126	ug/L	97
52) Ethylbenzene	9.566	91	309796	5.063	ug/L	98
53) m,p-Xylene	9.692	106	115018	5.016	ug/L	98
54) o-Xylene	10.097	106	111270	4.991	ug/L	96
55) Styrene	10.113	104	189026	5.244	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	58326	5.266	ug/L	96
59) Bromoform	10.290	173	29239	5.169	ug/L	98
60) Isopropylbenzene	10.483	105	297218	4.887	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	40273	4.888	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	227017	4.667	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	222815	4.680	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	150881	5.181	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	191886	6.593	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	128272	4.804	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.997	75	6910	4.839	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	90493	4.513	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	73008	4.775	ug/L	98
71) Naphthalene	14.084	128	95727	4.325	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	58375	4.388	ug/L	98

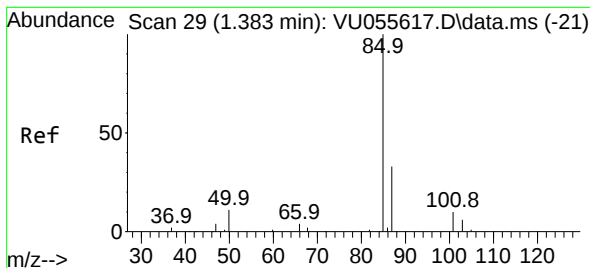
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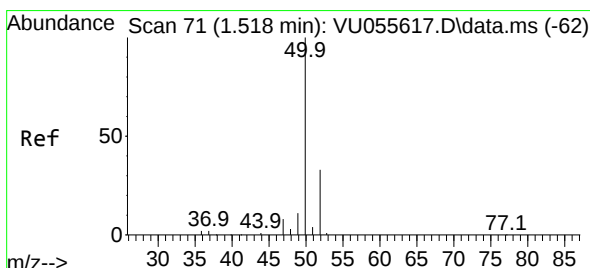
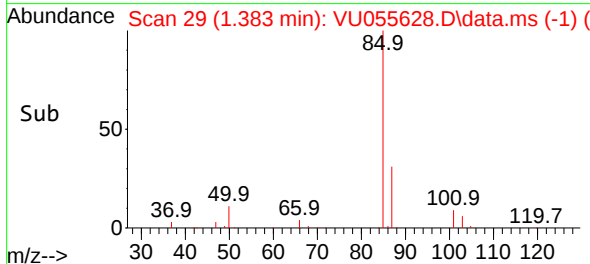
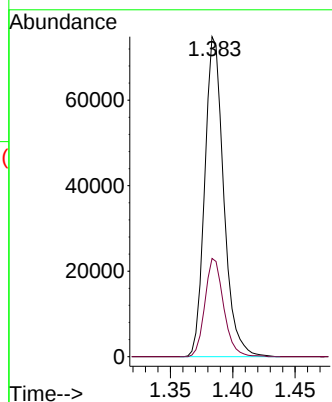
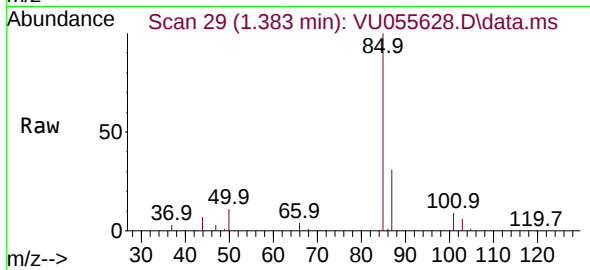




#2
 Dichlorodifluoromethane
 Concen: 4.524 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055628.D
 Acq: 03 Oct 2023 01:25

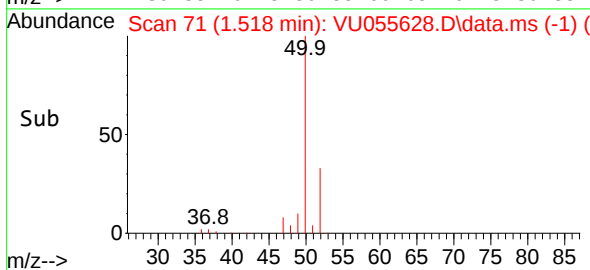
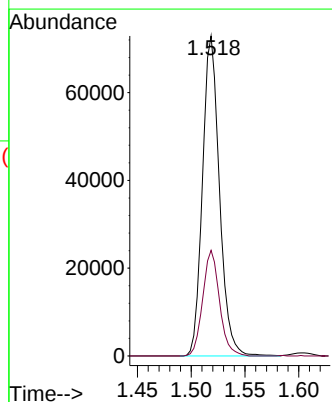
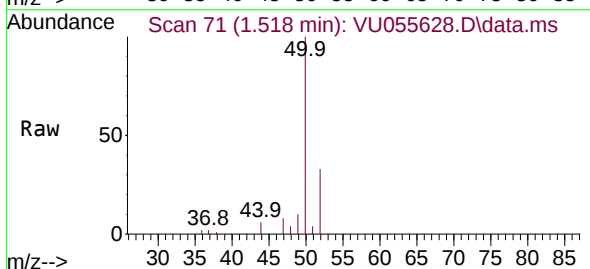
Instrument :
 MSVOA_U
 ClientSampleId :

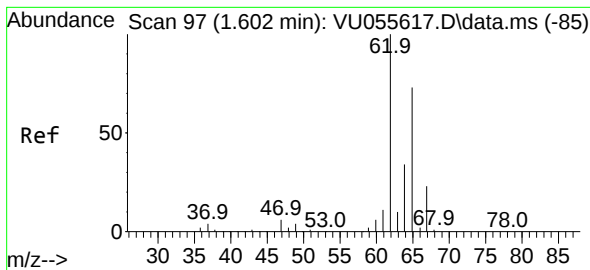
Tgt Ion: 85 Resp: 79345
 Ion Ratio Lower Upper
 85 100
 87 30.4 26.0 39.0



#3
 Chloromethane
 Concen: 5.201 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055628.D
 Acq: 03 Oct 2023 01:25

Tgt Ion: 50 Resp: 80246
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.9 42.5





#5

Vinyl chloride

Concen: 5.386 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

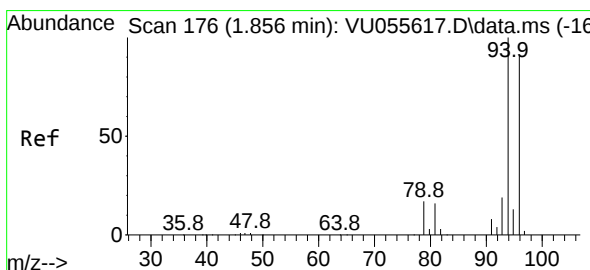
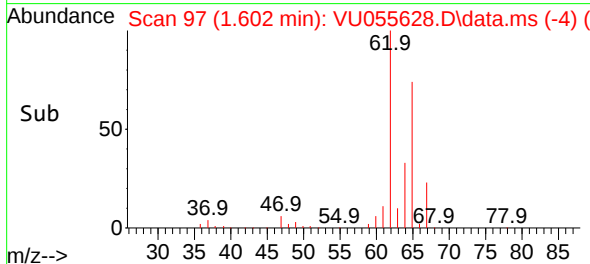
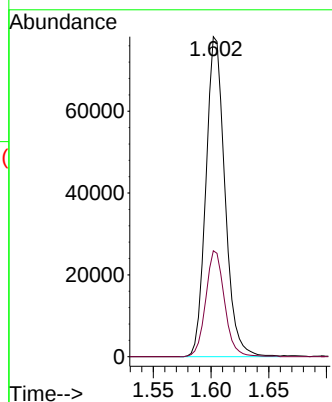
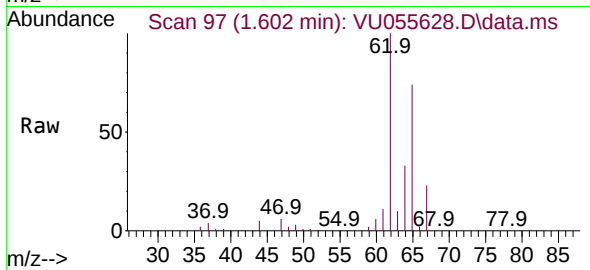
ClientSampleId :

Tgt Ion: 62 Resp: 89644

Ion Ratio Lower Upper

62 100

64 33.1 22.3 41.5



#6

Bromomethane

Concen: 4.521 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.003 min

Lab File: VU055628.D

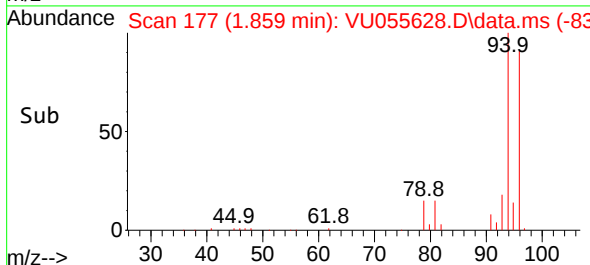
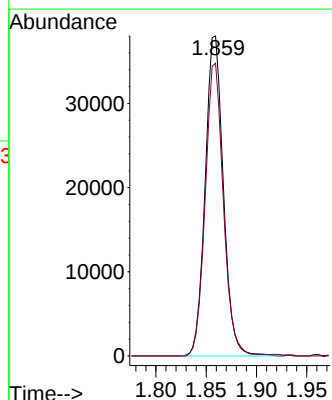
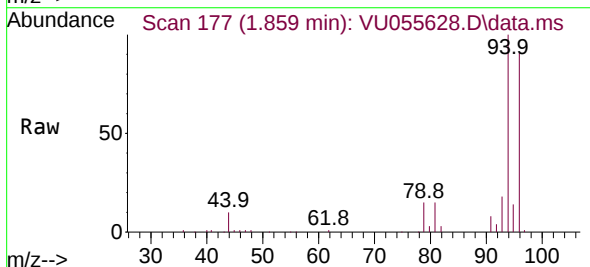
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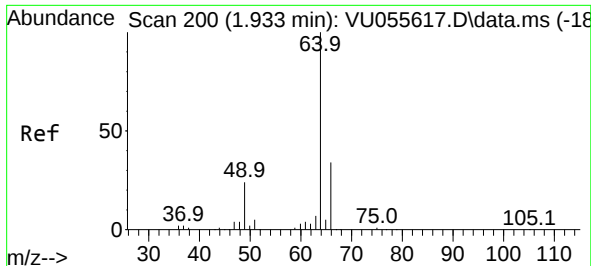
Tgt Ion: 94 Resp: 47795

Ion Ratio Lower Upper

94 100

96 91.5 66.4 123.2

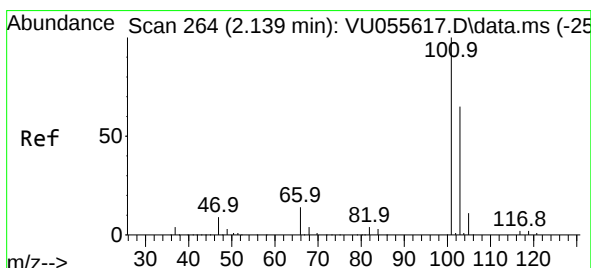
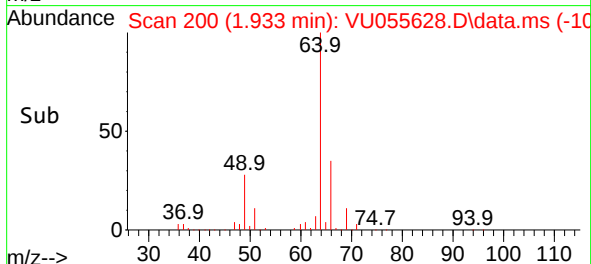
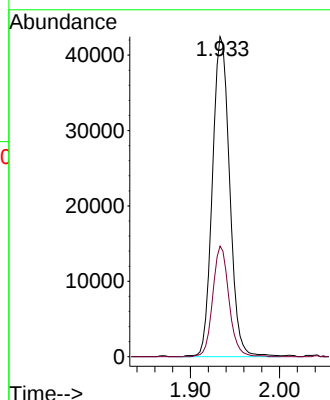
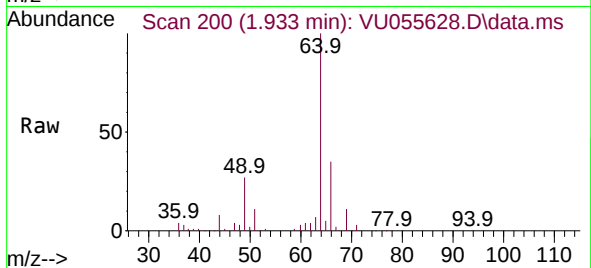




#8
Chloroethane
Concen: 5.244 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

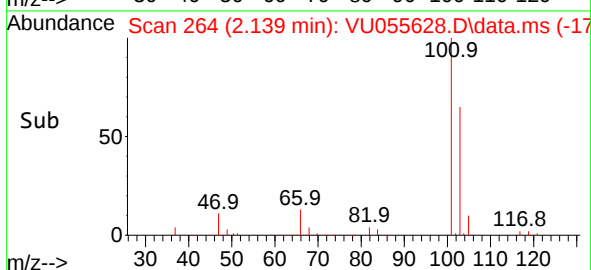
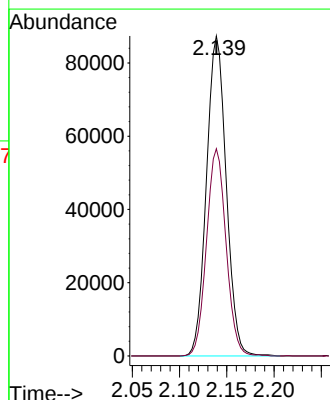
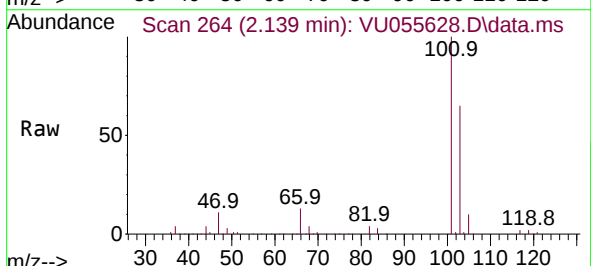
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MSVOA_U
ClientSampleId :

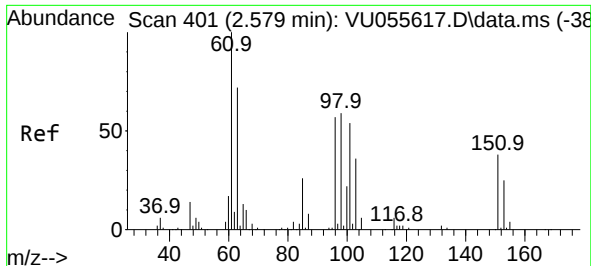
Tgt Ion: 64 Resp: 56961
Ion Ratio Lower Upper
64 100
66 34.6 23.7 44.1



#9
Trichlorofluoromethane
Concen: 5.500 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion: 101 Resp: 126939
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0

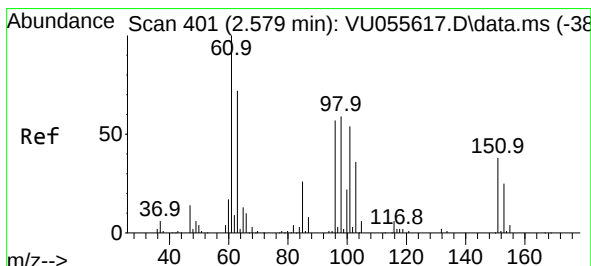
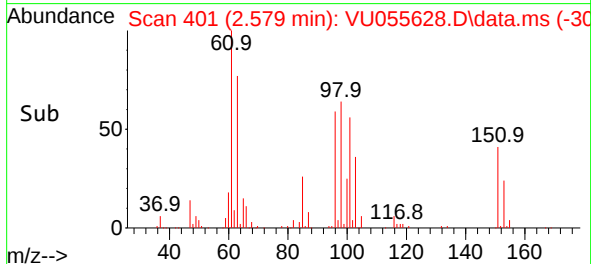
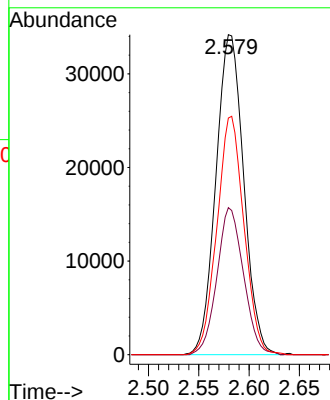
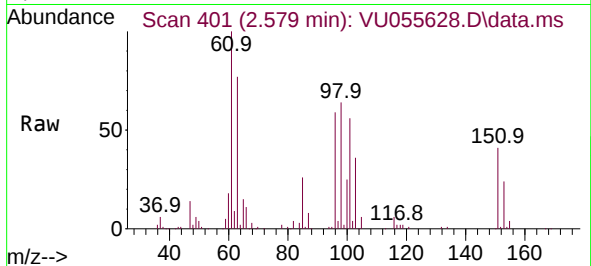




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.675 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055628.D
 Acq: 03 Oct 2023 01:25

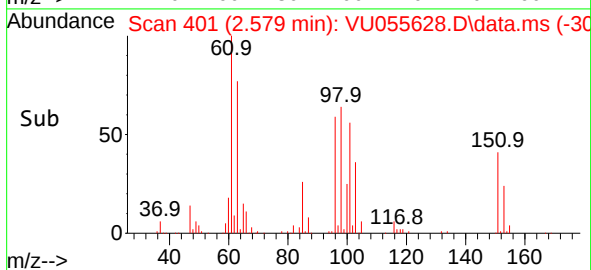
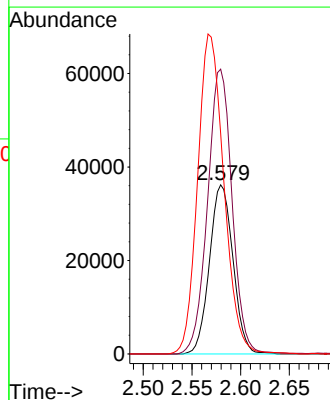
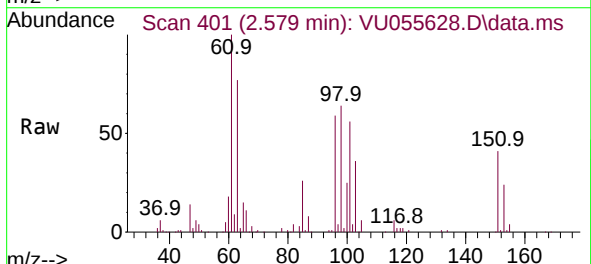
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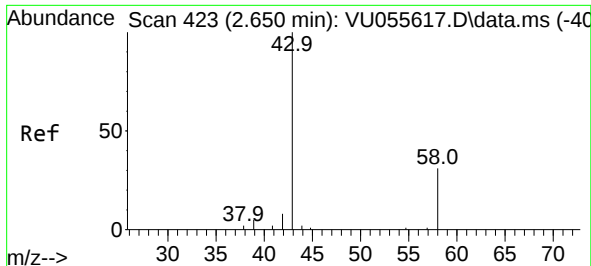
Tgt Ion:101 Resp: 65660
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.8 53.6
 151 72.5 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.825 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055628.D
 Acq: 03 Oct 2023 01:25

Tgt Ion: 96 Resp: 60774
 Ion Ratio Lower Upper
 96 100
 61 168.4 114.5 212.7
 63 130.2 98.3 182.5





#13

Acetone

Concen: 45.432 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

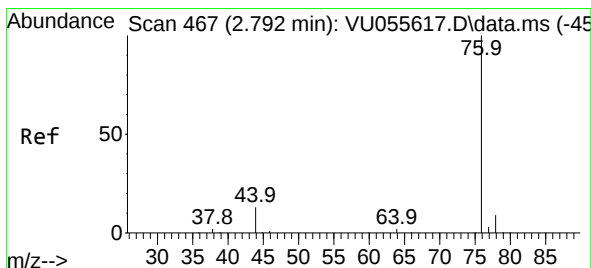
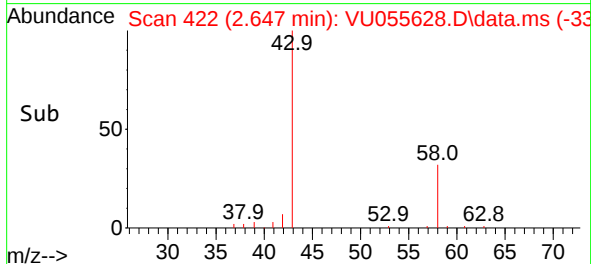
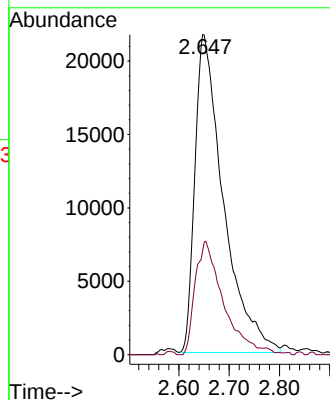
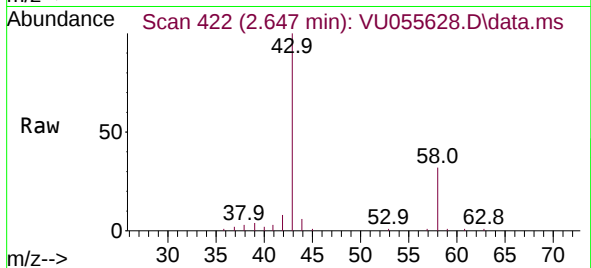
ClientSampleId :

Tgt Ion: 43 Resp: 85165

Ion Ratio Lower Upper

43 100

58 34.8 0.0 72.2



#14

Carbon disulfide

Concen: 4.860 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055628.D

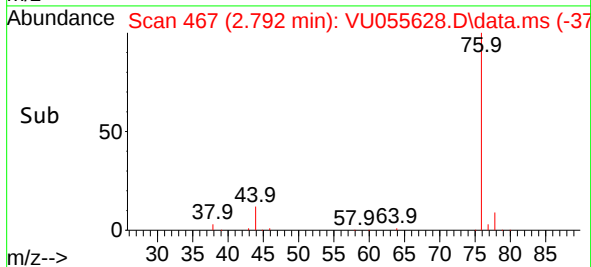
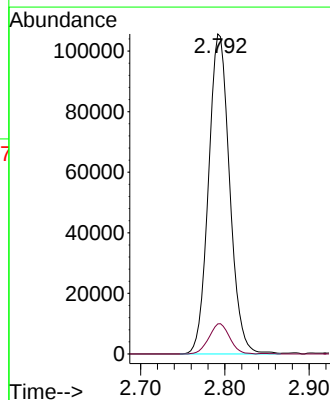
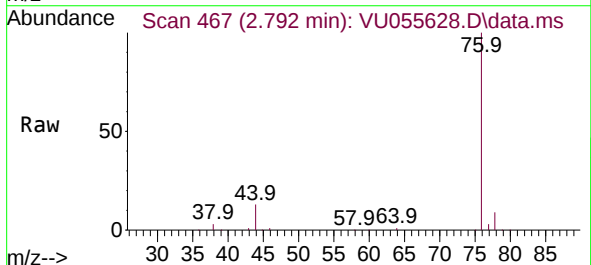
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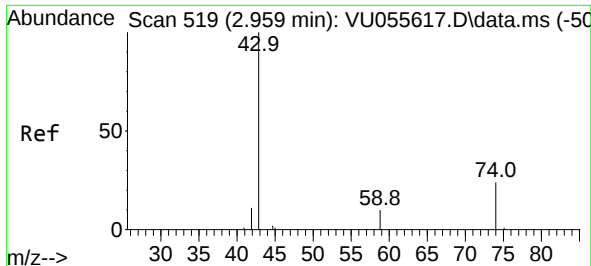
Tgt Ion: 76 Resp: 184005

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

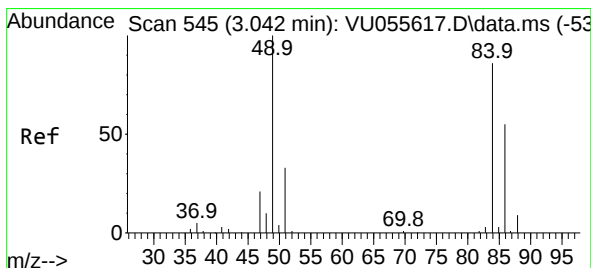
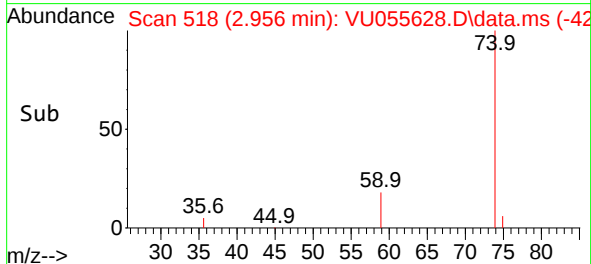
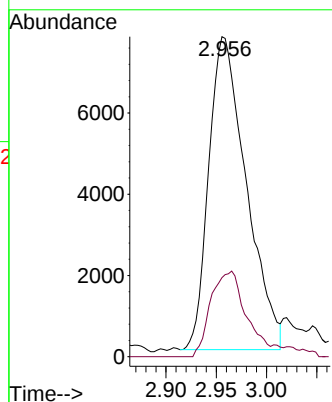
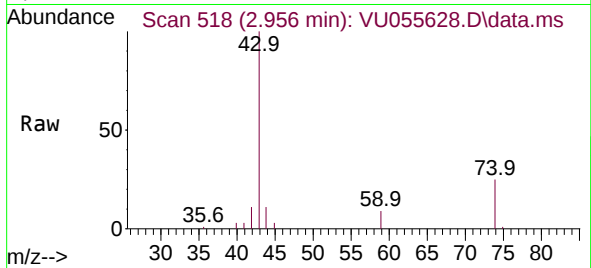




#15
Methyl Acetate
Concen: 4.680 ug/L
RT: 2.956 min Scan# 519
Delta R.T. -0.003 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

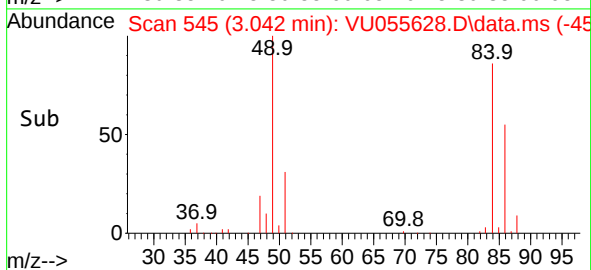
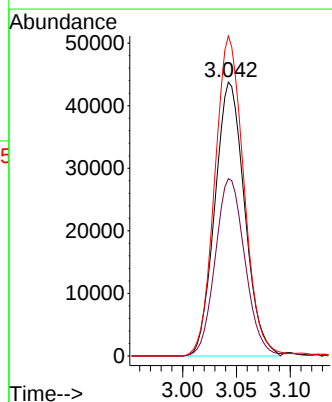
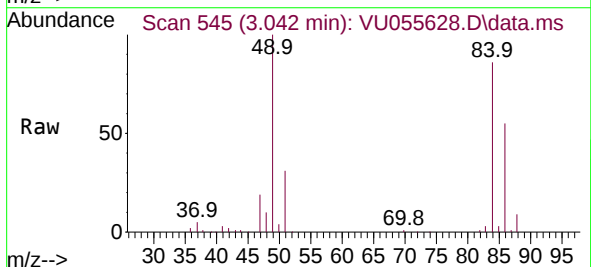
Instrument :
MSVOA_U
ClientSampleId :

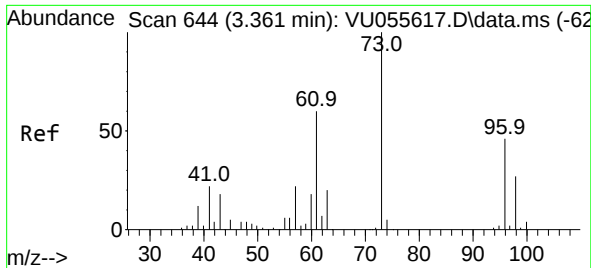
Tgt Ion: 43 Resp: 20001
Ion Ratio Lower Upper
43 100
74 26.7 22.3 33.5



#16
Methylene chloride
Concen: 5.576 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion: 84 Resp: 84138
Ion Ratio Lower Upper
84 100
86 64.7 44.9 83.3
49 116.8 78.8 146.3

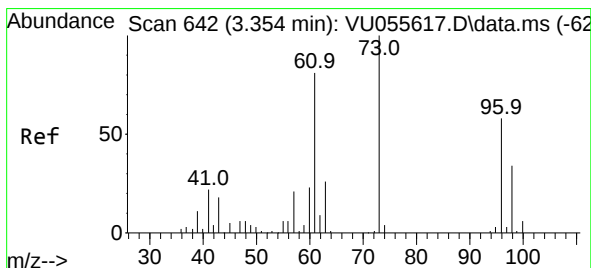
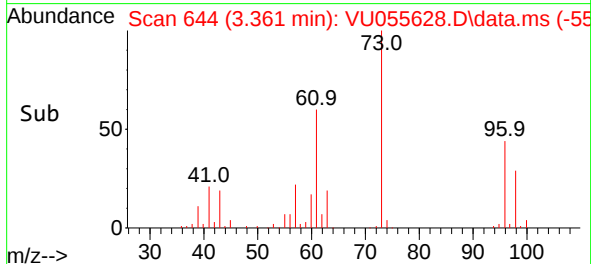
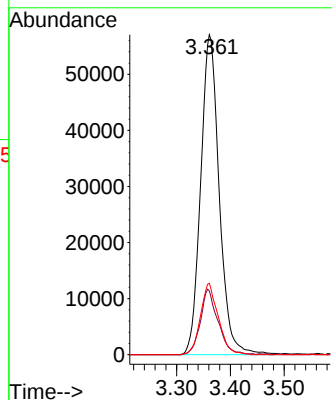
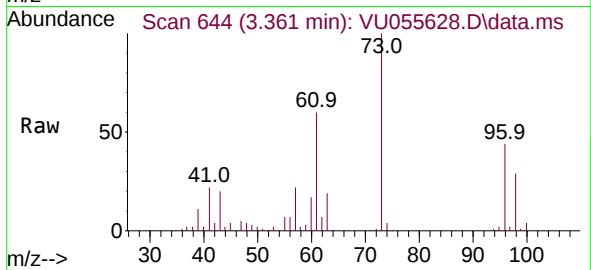




#17
Methyl tert-butyl Ether
Concen: 5.005 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

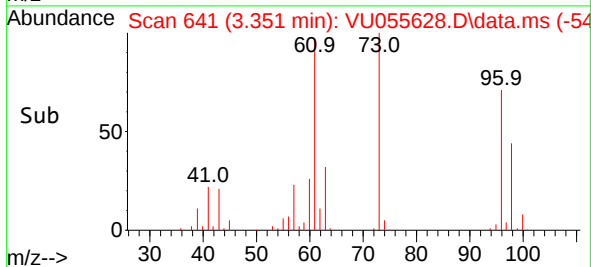
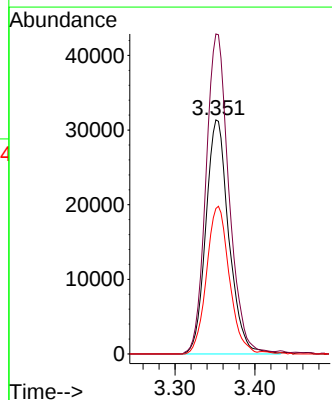
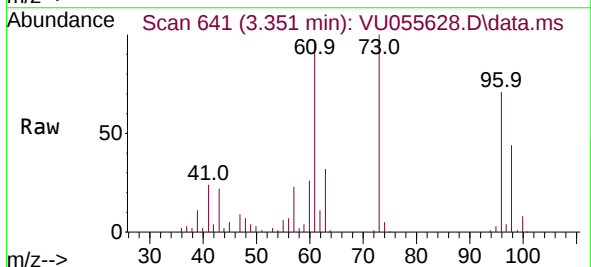
Instrument :
MSVOA_U
ClientSampleId :

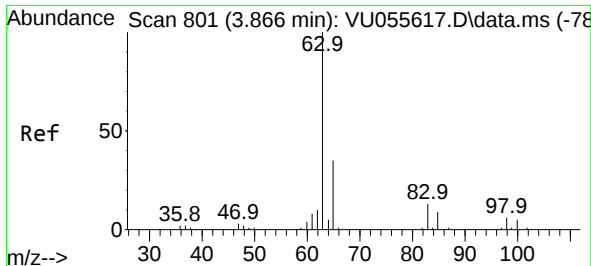
Tgt Ion: 73 Resp: 136737
Ion Ratio Lower Upper
73 100
43 19.4 14.9 22.3
57 21.4 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.948 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion: 96 Resp: 62809
Ion Ratio Lower Upper
96 100
61 136.7 94.6 175.6
98 62.1 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.289 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

ClientSampleId :

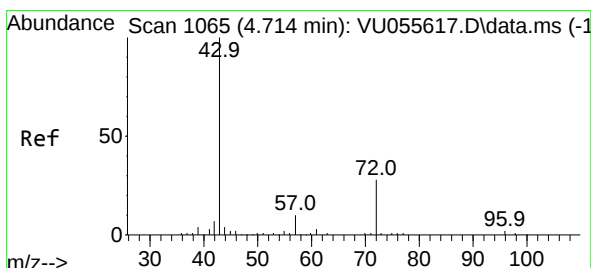
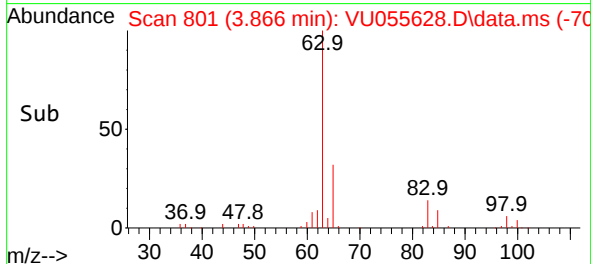
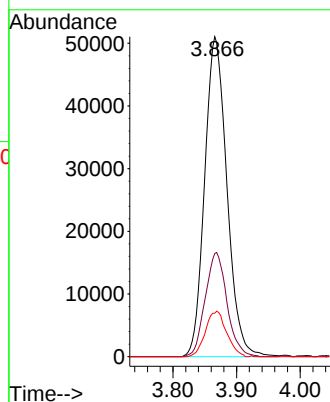
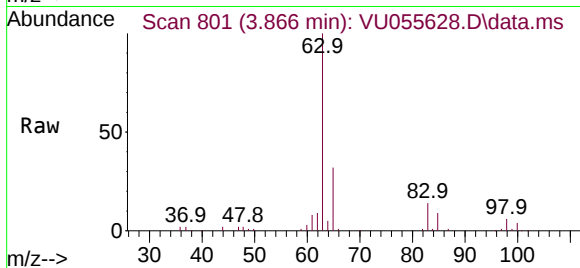
Tgt Ion: 63 Resp: 124155

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.6 10.1 18.9



#21

2-Butanone

Concen: 50.634 ug/L

RT: 4.718 min Scan# 1066

Delta R.T. 0.003 min

Lab File: VU055628.D

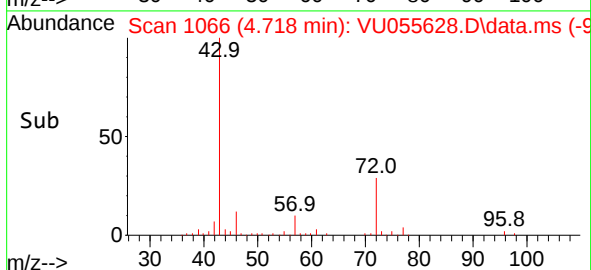
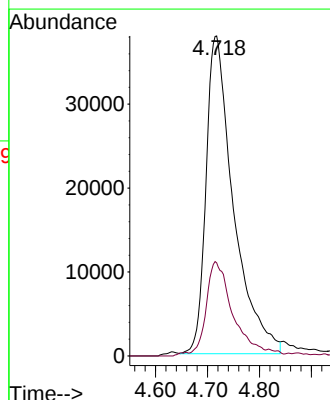
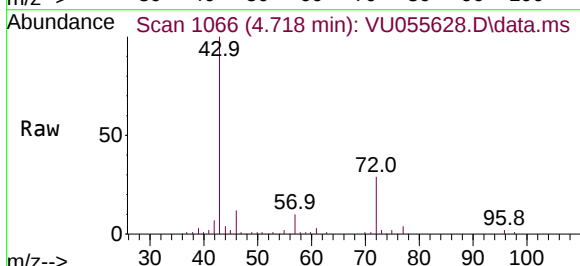
Acq: 03 Oct 2023 01:25

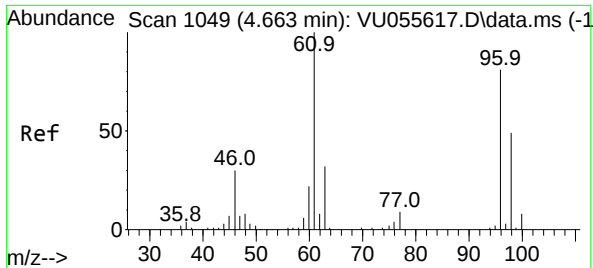
Tgt Ion: 43 Resp: 139212

Ion Ratio Lower Upper

43 100

72 26.7 15.1 45.3

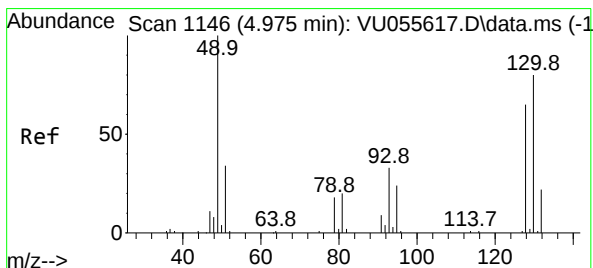
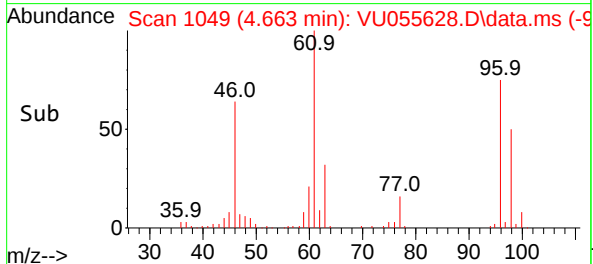
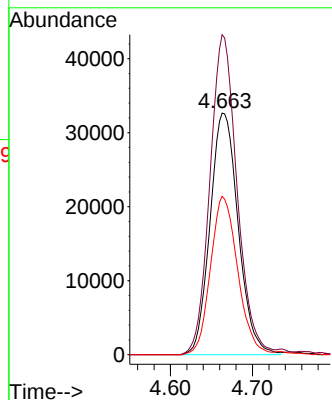
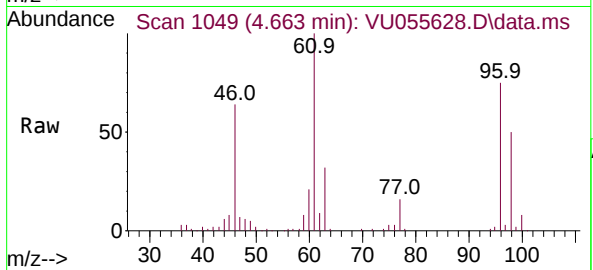




#22
 cis-1,2-Dichloroethene
 Concen: 5.301 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055628.D
 Acq: 03 Oct 2023 01:25

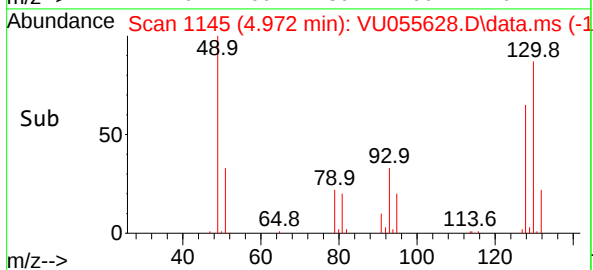
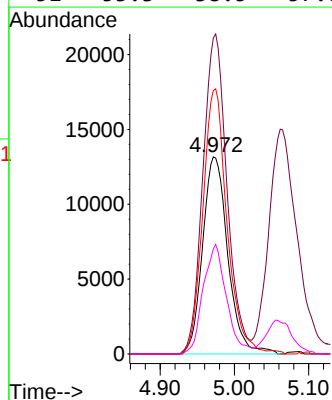
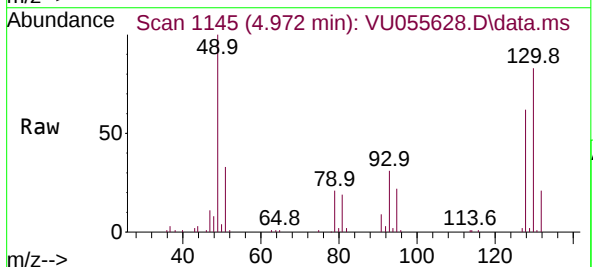
Instrument :
 MSVOA_U
 ClientSampleId :

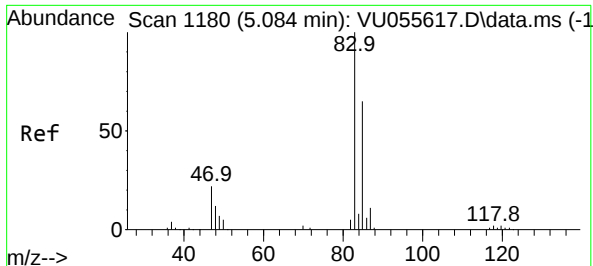
Tgt Ion: 96 Resp: 78016
 Ion Ratio Lower Upper
 96 100
 61 132.5 87.8 163.2
 98 65.6 44.4 82.4



#23
 Bromochloromethane
 Concen: 4.984 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.003 min
 Lab File: VU055628.D
 Acq: 03 Oct 2023 01:25

Tgt Ion: 128 Resp: 31003
 Ion Ratio Lower Upper
 128 100
 49 160.3 102.8 191.0
 130 133.6 89.9 166.9
 51 53.3 38.5 57.7





#25

Chloroform

Concen: 5.232 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

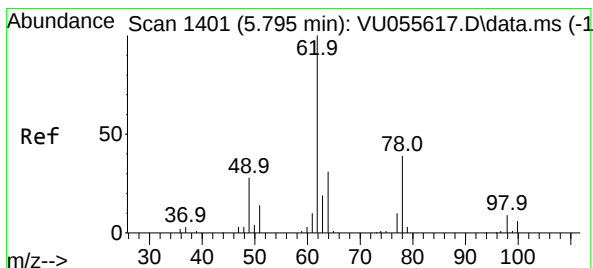
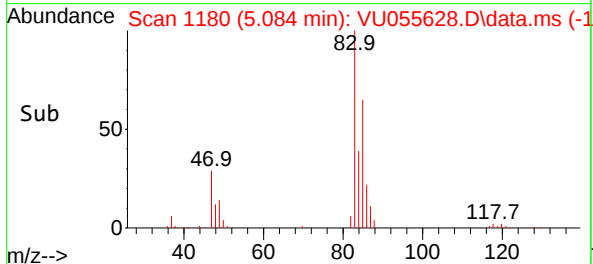
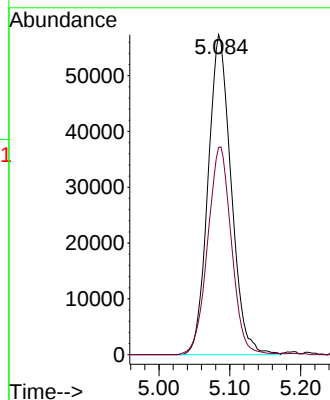
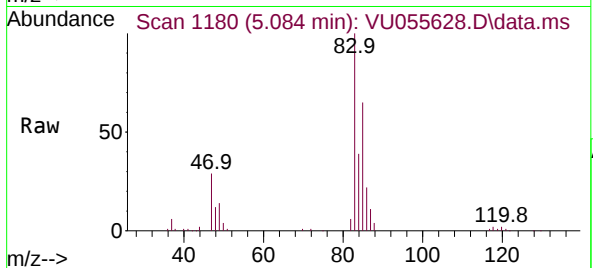
ClientSampleId :

Tgt Ion: 83 Resp: 130060

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5



#27

1,2-Dichloroethane

Concen: 5.324 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU055628.D

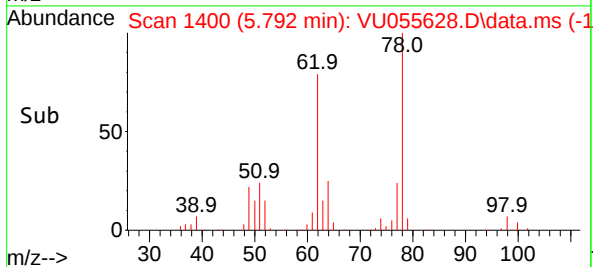
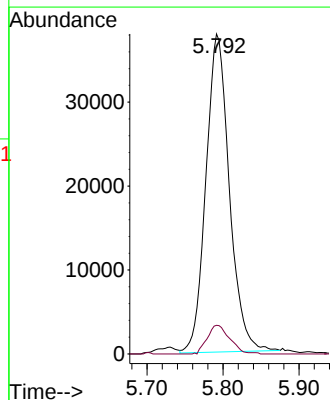
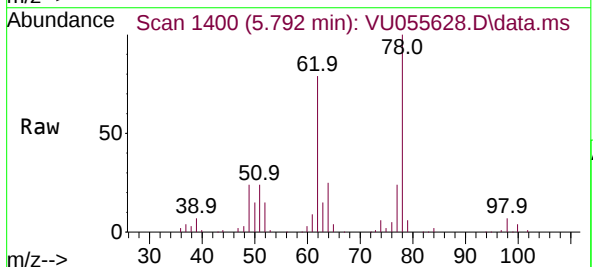
Acq: 03 Oct 2023 01:25

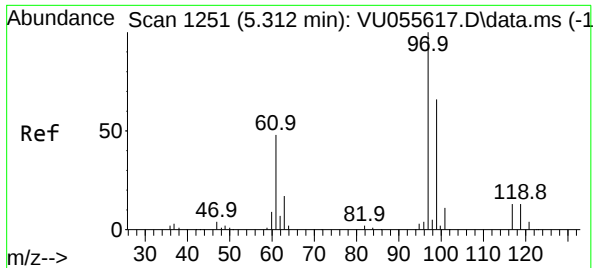
Tgt Ion: 62 Resp: 81166

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.4

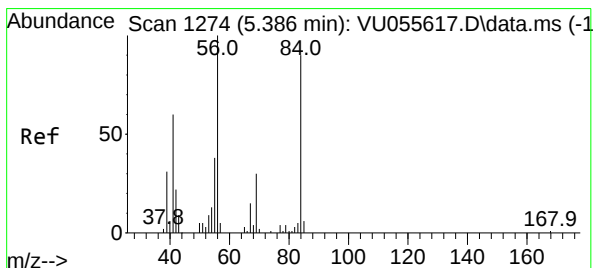
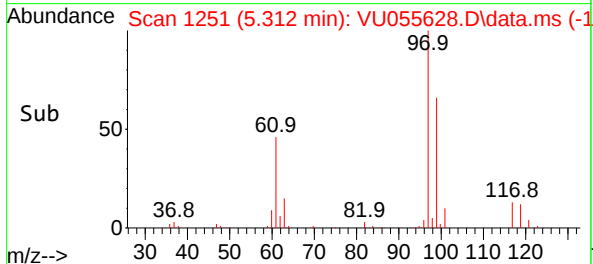
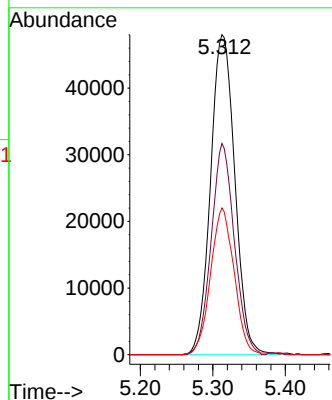
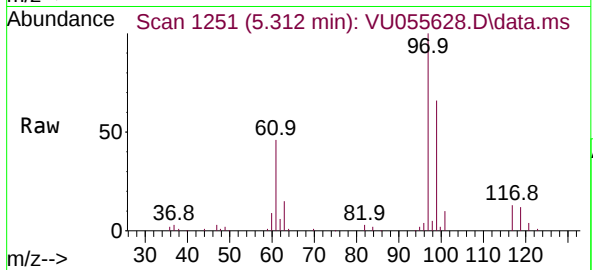




#29
1,1,1-Trichloroethane
Concen: 5.276 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

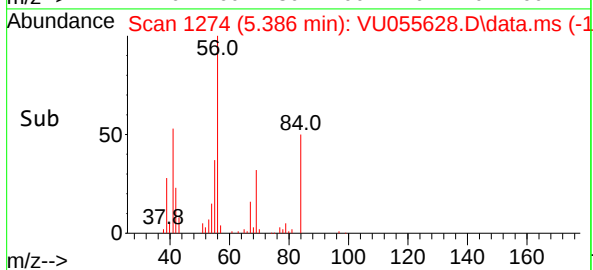
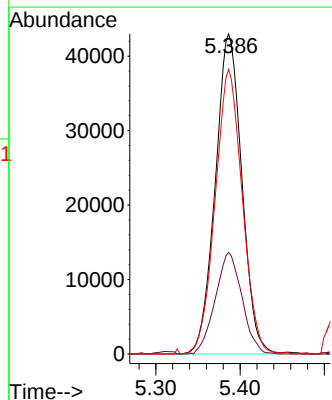
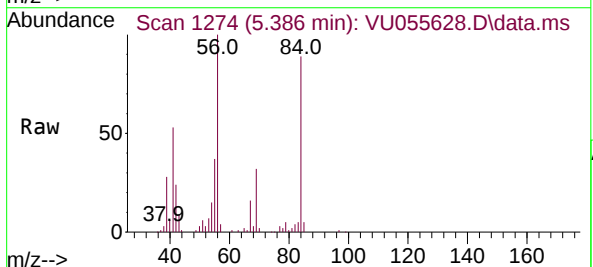
Instrument :
MSVOA_U
ClientSampleId :

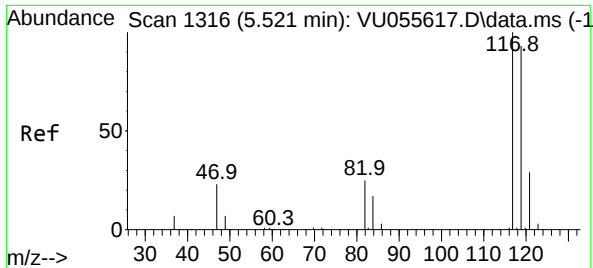
Tgt Ion: 97 Resp: 111814
Ion Ratio Lower Upper
97 100
99 63.0 50.7 76.1
61 44.5 34.6 51.8



#30
Cyclohexane
Concen: 4.840 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion: 56 Resp: 93895
Ion Ratio Lower Upper
56 100
69 31.9 26.5 39.7
84 90.8 72.6 108.8

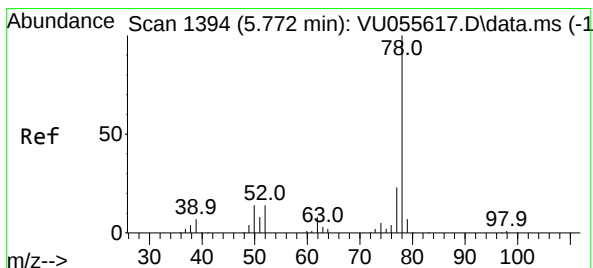
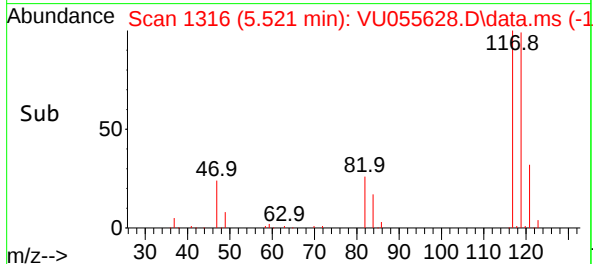
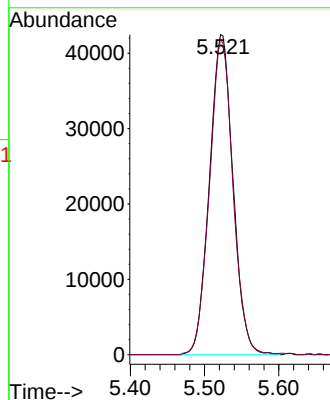
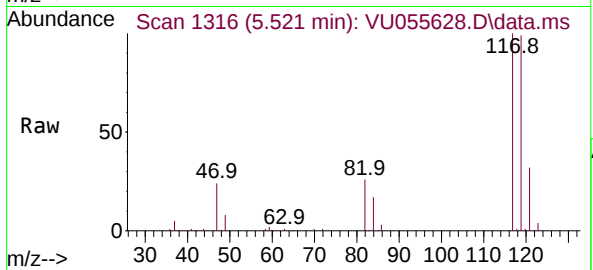




#31
Carbon tetrachloride
Concen: 5.158 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

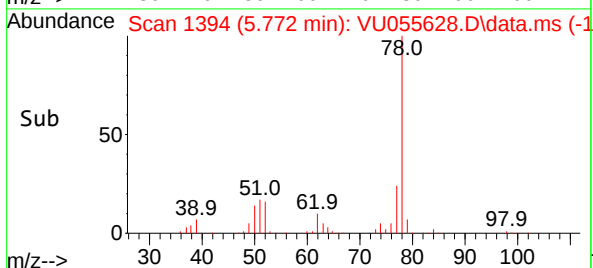
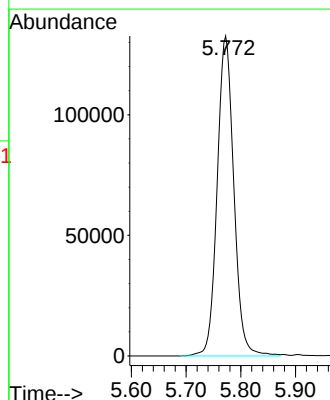
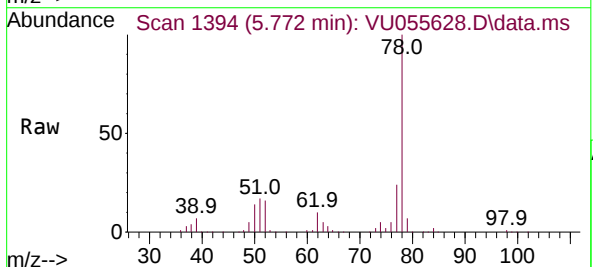
Instrument :
MSVOA_U
ClientSampleId :

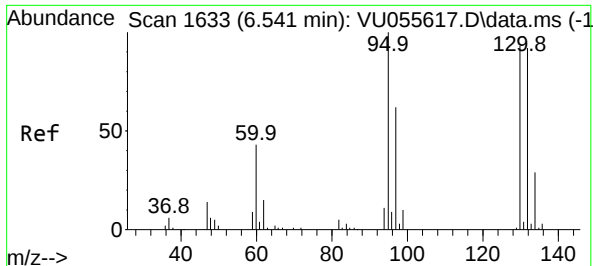
Tgt Ion:117 Resp: 93692
Ion Ratio Lower Upper
117 100
119 98.0 75.2 112.8



#33
Benzene
Concen: 5.233 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

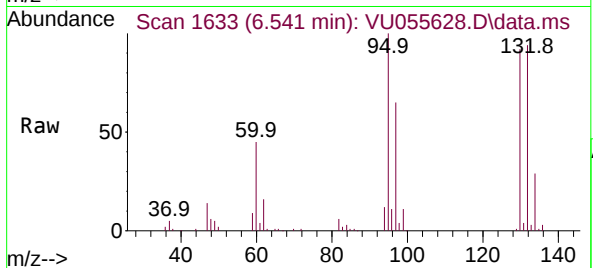
Tgt Ion: 78 Resp: 280021



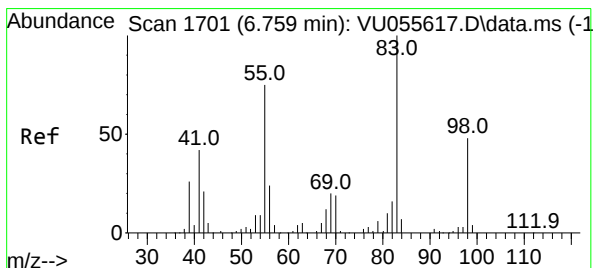
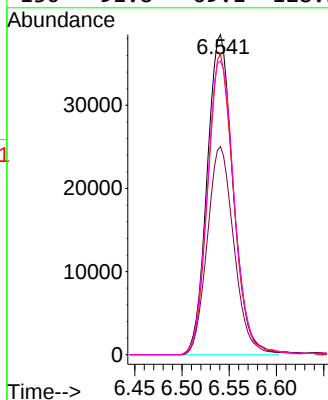
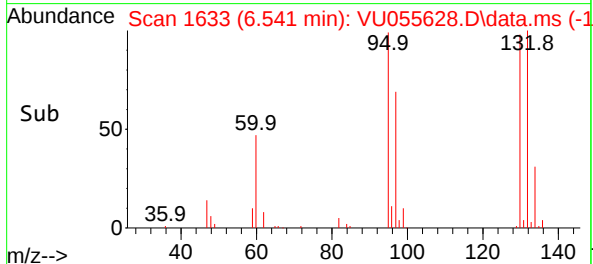


#34
Trichloroethene
Concen: 4.874 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

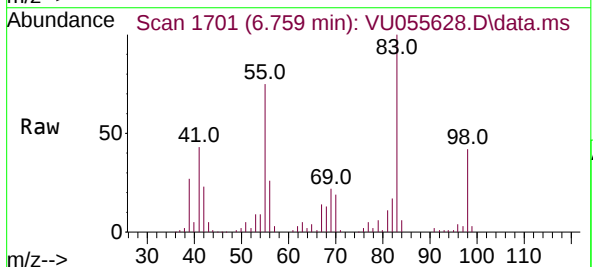
Instrument :
MSVOA_U
ClientSampleId :



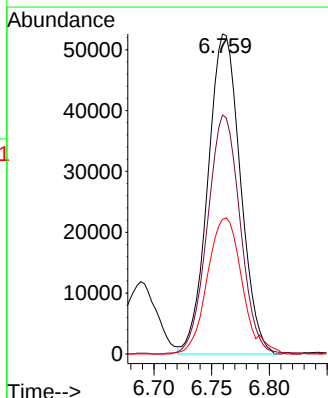
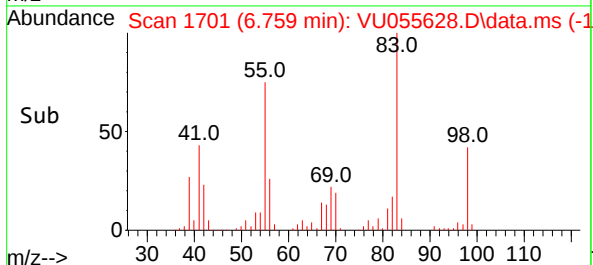
Tgt Ion: 95 Resp: 73773
Ion Ratio Lower Upper
95 100
97 65.0 45.4 84.2
132 94.1 65.2 121.2
130 91.8 69.1 128.3

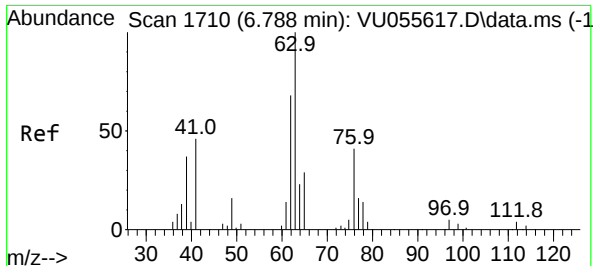


#35
Methylcyclohexane
Concen: 4.724 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25



Tgt Ion: 83 Resp: 102988
Ion Ratio Lower Upper
83 100
55 75.3 59.1 88.7
98 45.4 36.3 54.5

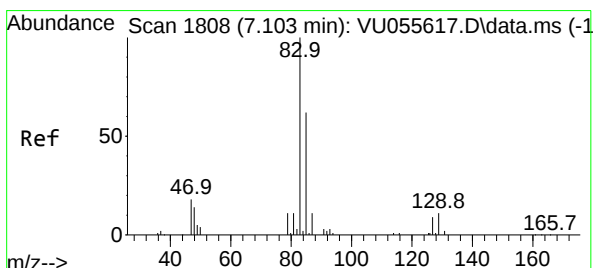
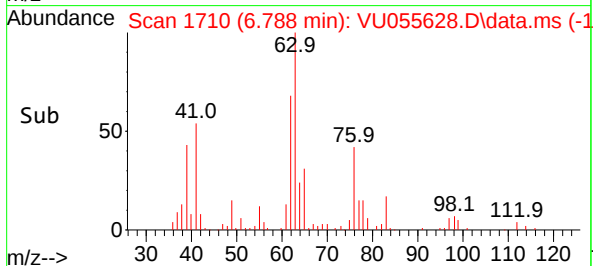
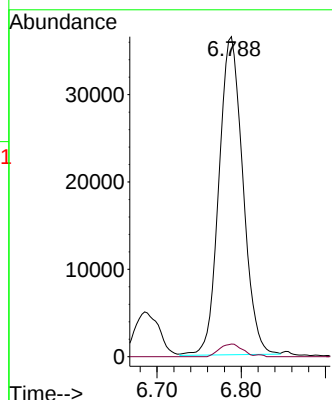
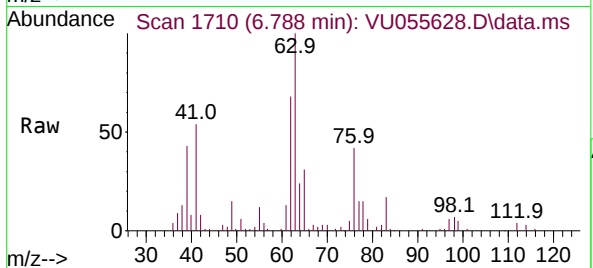




#37
1,2-Dichloropropane
Concen: 5.130 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

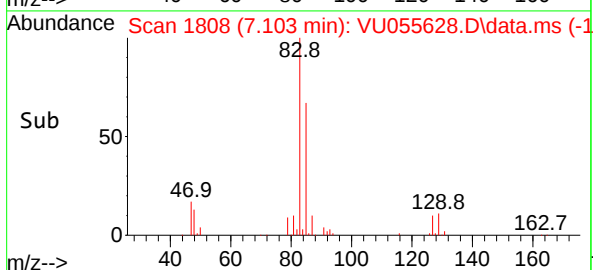
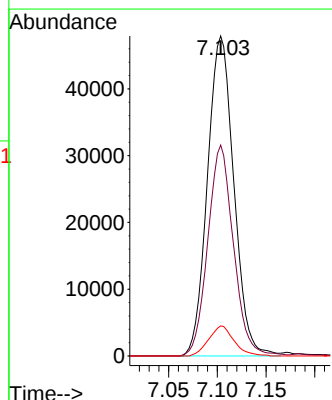
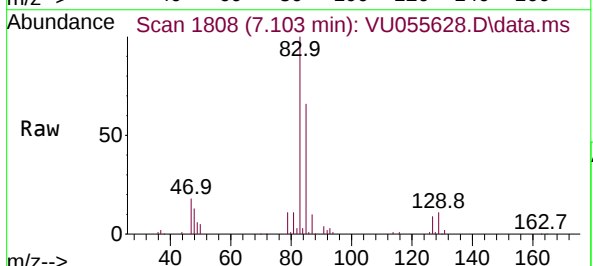
Instrument :
MSVOA_U
ClientSampleId :

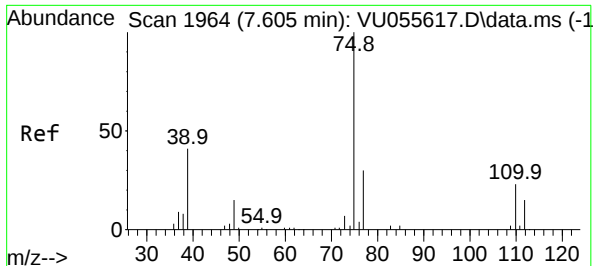
Tgt Ion: 63 Resp: 71791
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 5.510 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion: 83 Resp: 90348
Ion Ratio Lower Upper
83 100
85 65.9 46.8 86.8
127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.056 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

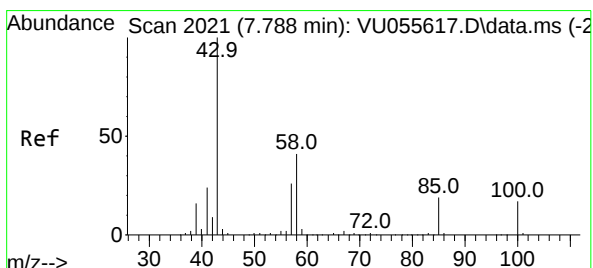
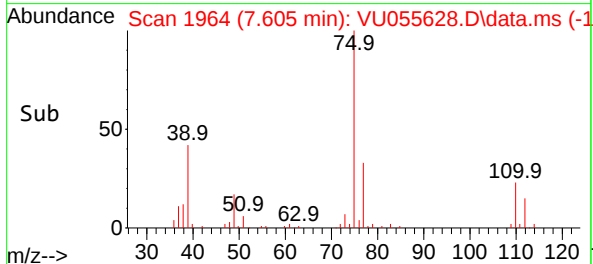
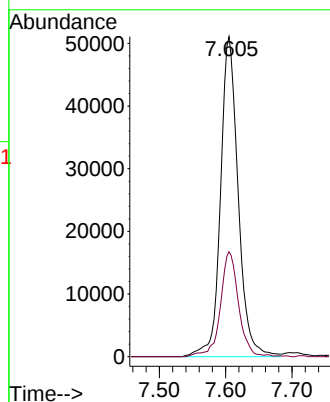
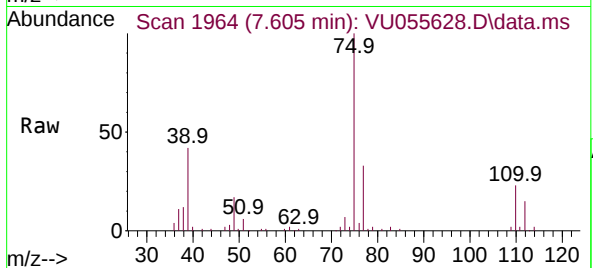
ClientSampleId :

Tgt Ion: 75 Resp: 94437

Ion Ratio Lower Upper

75 100

77 32.8 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 52.632 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

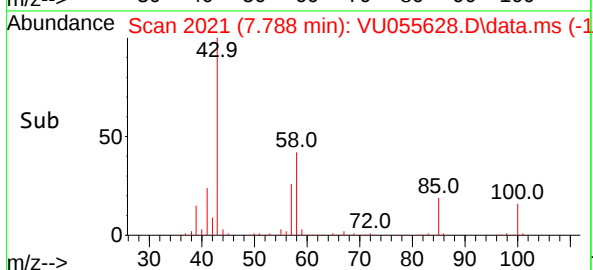
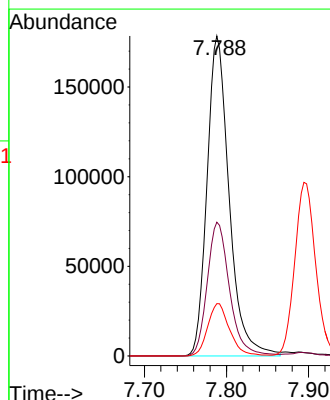
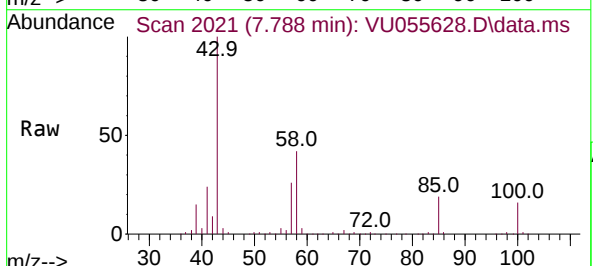
Tgt Ion: 43 Resp: 334087

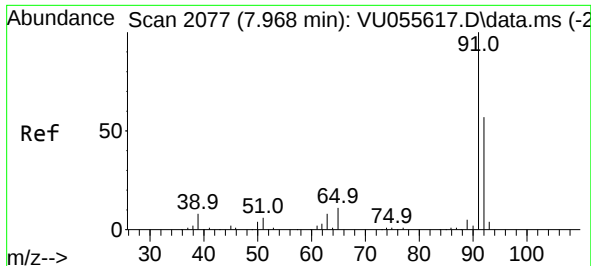
Ion Ratio Lower Upper

43 100

58 42.3 34.2 51.4

100 16.3 13.4 20.0





#42

Toluene

Concen: 5.179 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

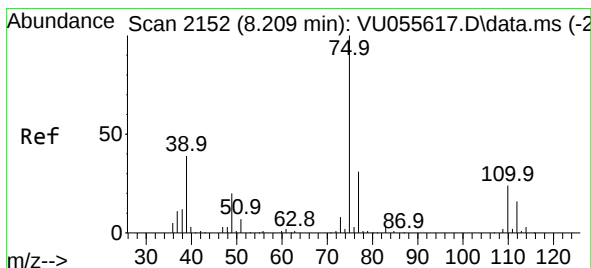
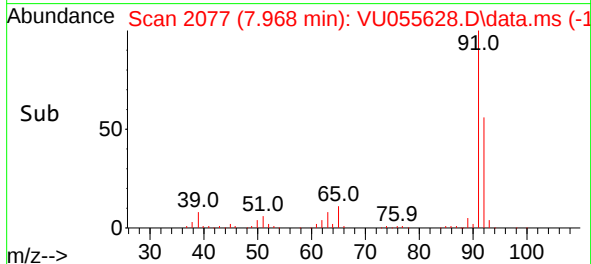
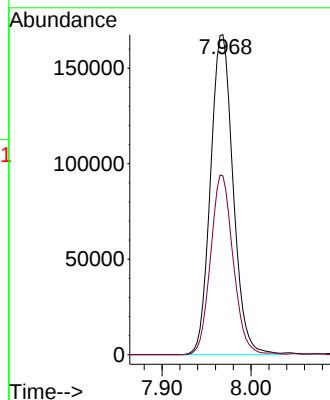
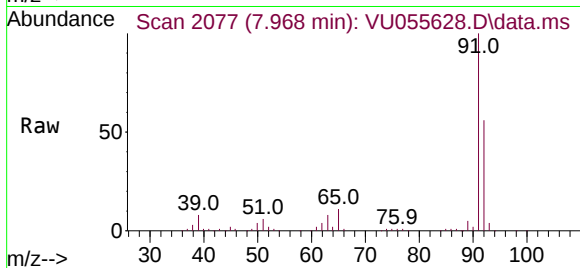
ClientSampleId :

Tgt Ion: 91 Resp: 295555

Ion Ratio Lower Upper

91 100

92 55.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.293 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055628.D

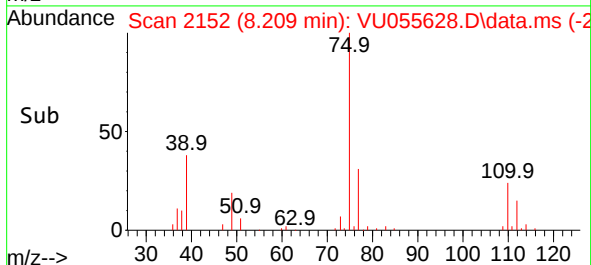
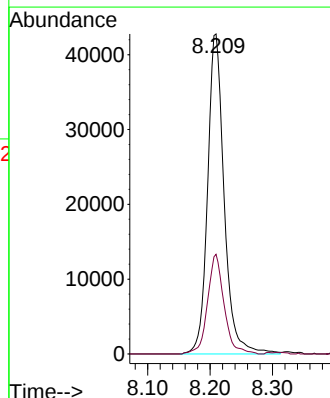
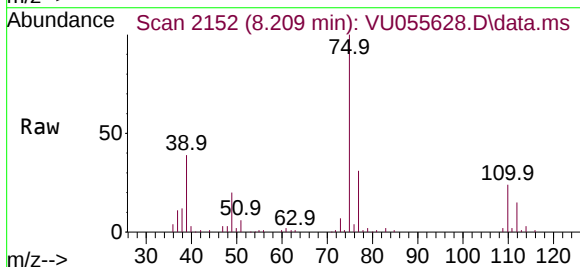
Acq: 03 Oct 2023 01:25

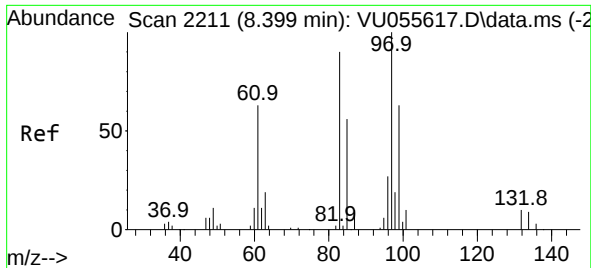
Tgt Ion: 75 Resp: 79095

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4

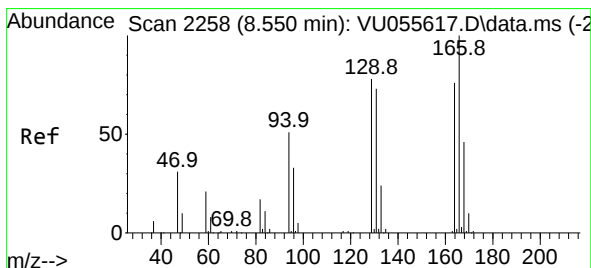
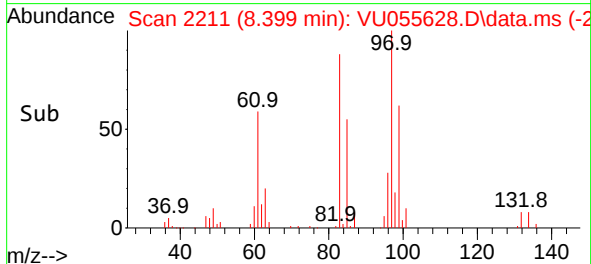
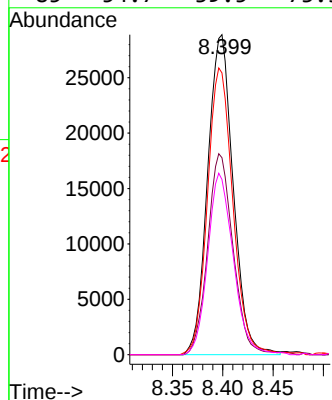
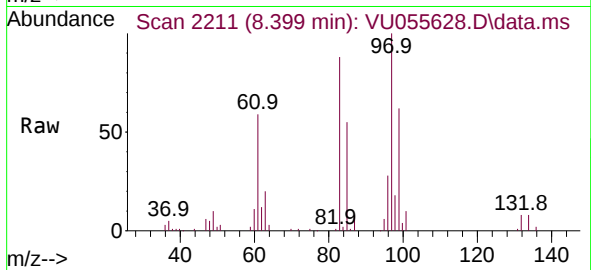




#45
1,1,2-Trichloroethane
Concen: 5.202 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

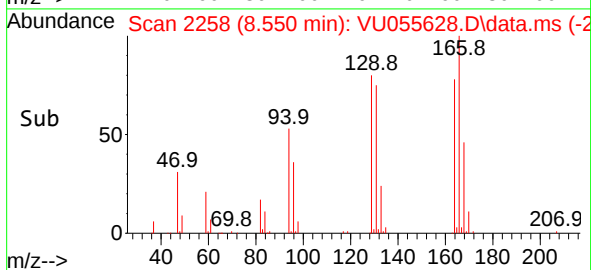
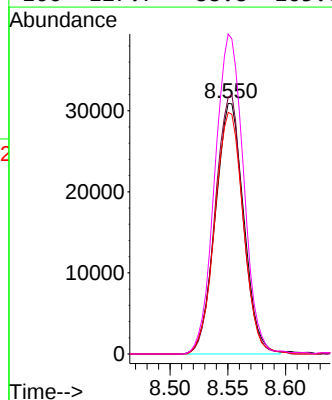
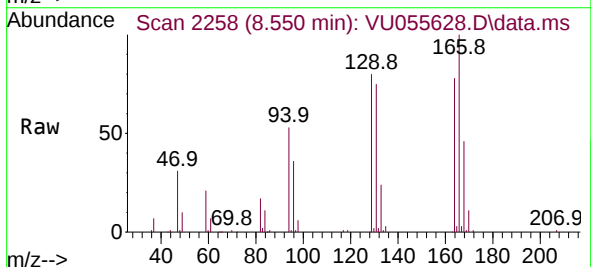
Instrument :
MSVOA_U
ClientSampleId :

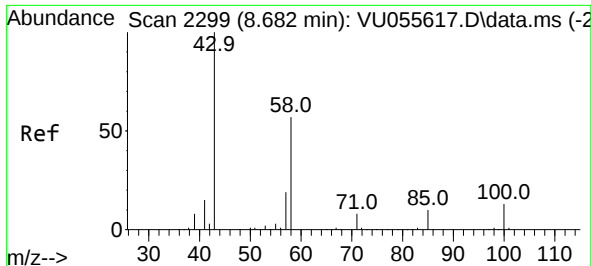
Tgt Ion:	97	Resp:	51042
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.1	81.9
83	88.1	61.5	114.1
85	54.7	39.5	73.3



#47
Tetrachloroethene
Concen: 4.893 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

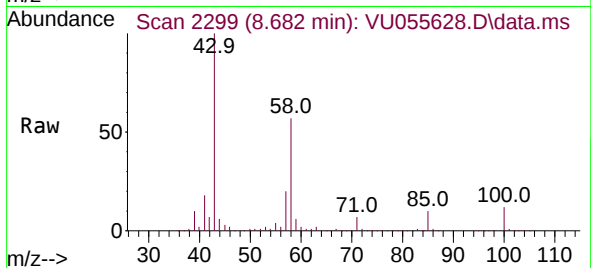
Tgt Ion:	164	Resp:	53121
Ion	Ratio	Lower	Upper
164	100		
129	102.4	67.4	125.2
131	96.4	66.4	123.2
166	127.7	88.8	165.0



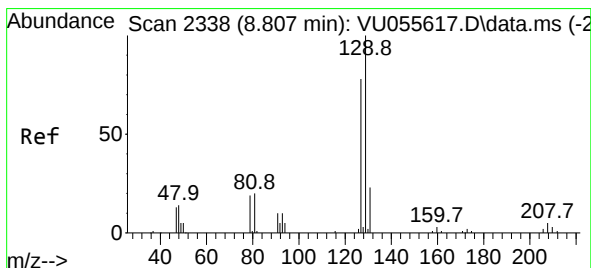
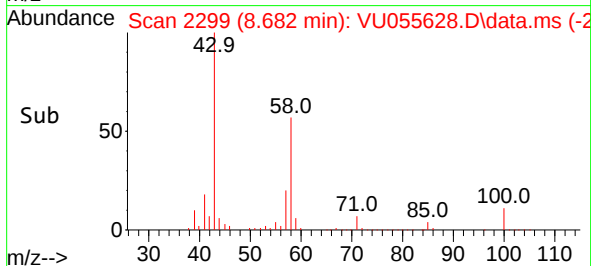
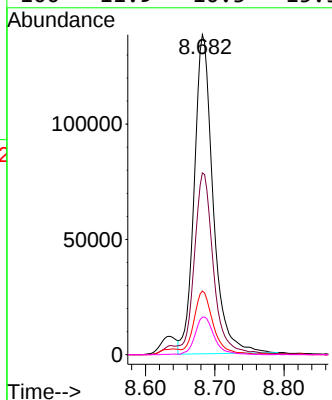


#48
2-Hexanone
Concen: 53.413 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Instrument :
MSVOA_U
ClientSampleId :

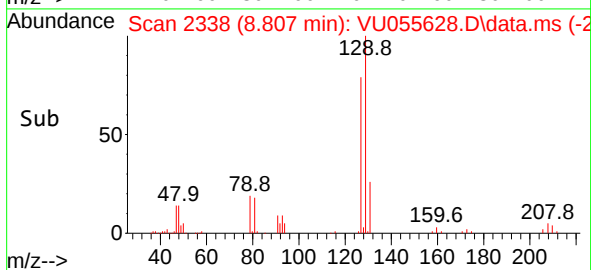
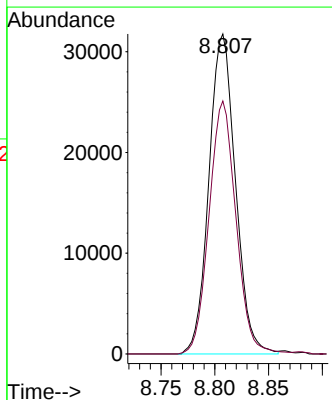
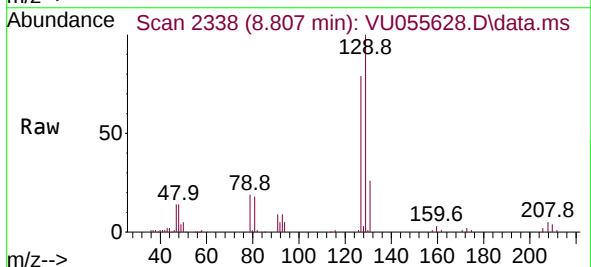


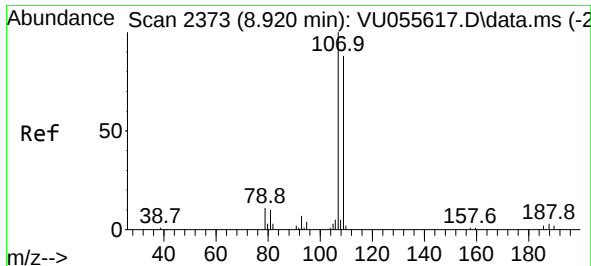
Tgt Ion:	43	Resp:	262767
Ion	Ratio	Lower	Upper
43	100		
58	57.4	48.5	72.7
57	20.0	17.0	25.4
100	11.9	10.3	15.5



#49
Dibromochloromethane
Concen: 5.311 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion:	129	Resp:	54629
Ion	Ratio	Lower	Upper
129	100		
127	79.1	56.8	105.6





#50

1,2-Dibromoethane

Concen: 5.298 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

ClientSampleId :

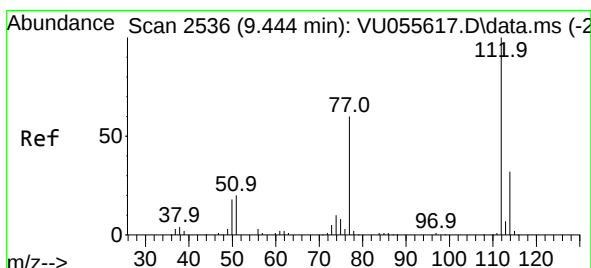
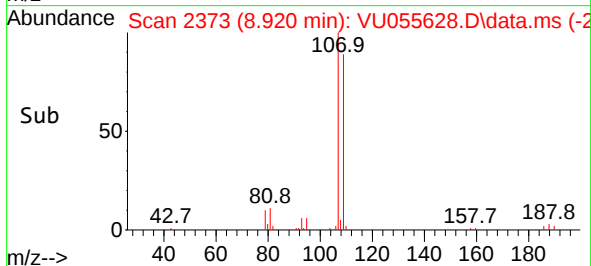
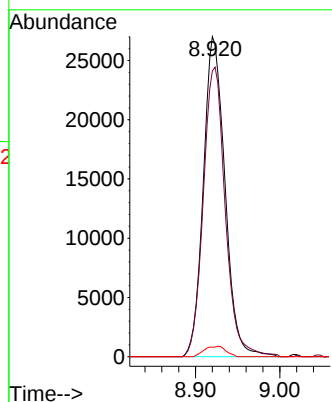
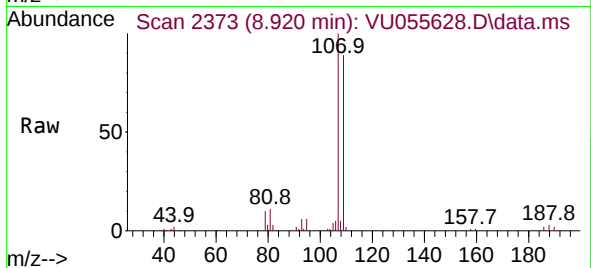
Tgt Ion:107 Resp: 48241

Ion Ratio Lower Upper

107 100

109 89.3 66.1 122.8

188 3.0 3.2 4.8#



#51

Chlorobenzene

Concen: 5.126 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

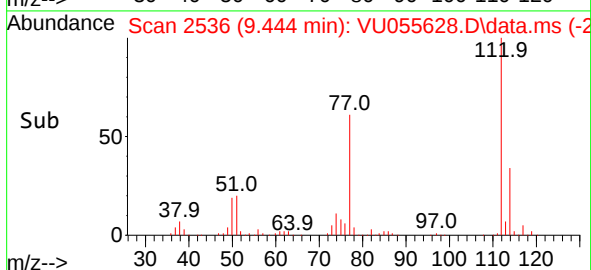
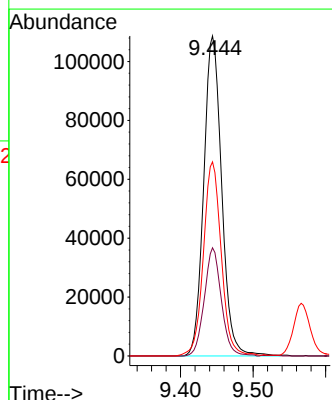
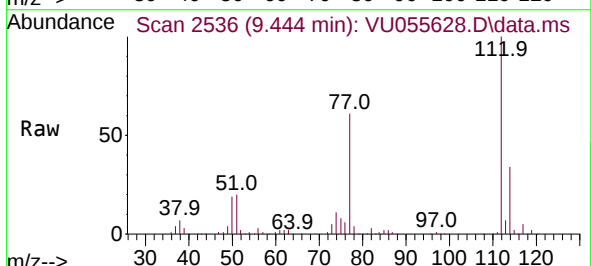
Tgt Ion:112 Resp: 187375

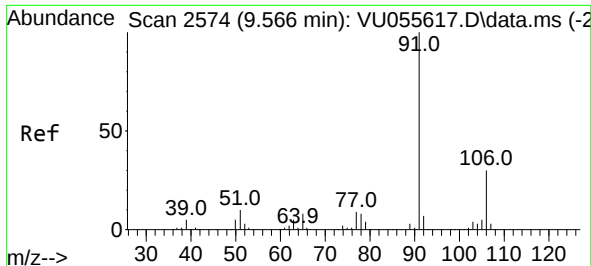
Ion Ratio Lower Upper

112 100

114 33.8 22.0 40.8

77 60.7 46.9 70.3

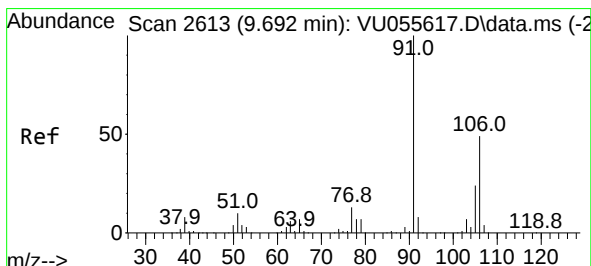
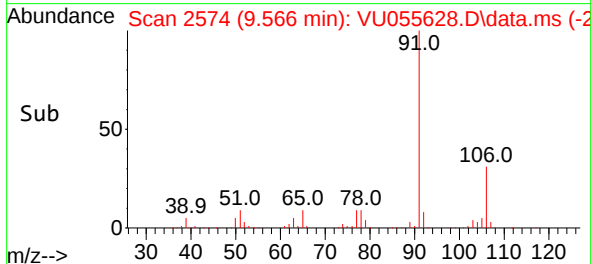
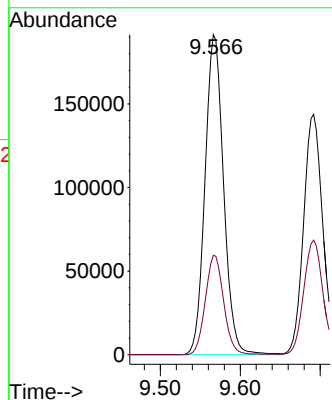
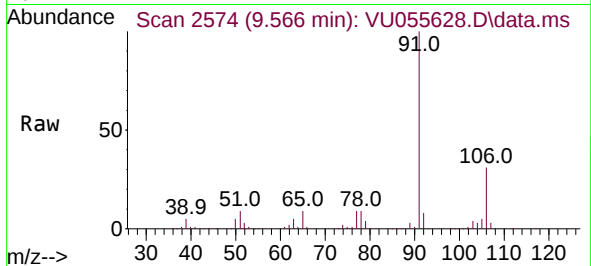




#52
Ethylbenzene
Concen: 5.063 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

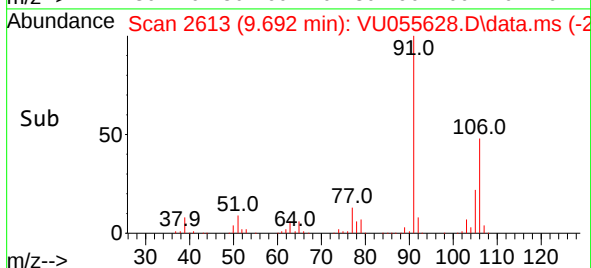
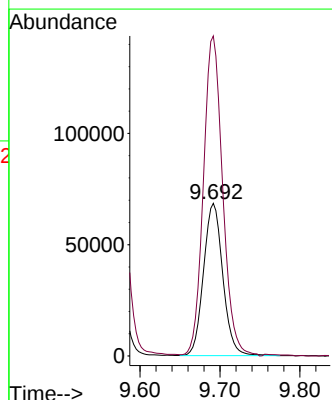
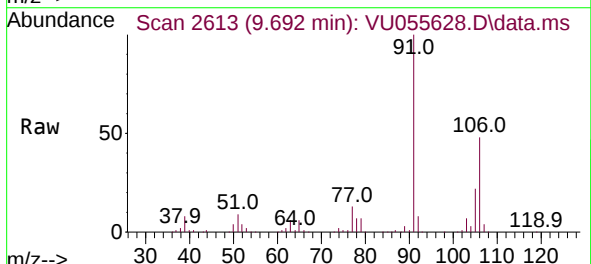
Instrument :
MSVOA_U
ClientSampleId :

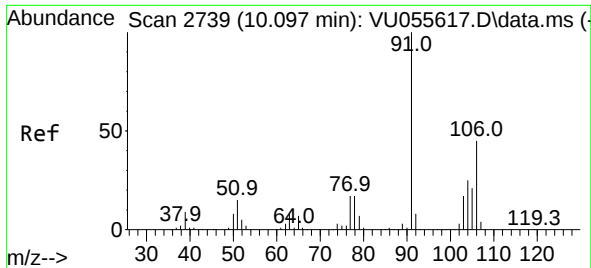
Tgt Ion: 91 Resp: 309796
Ion Ratio Lower Upper
91 100
106 31.1 22.4 41.6



#53
m,p-Xylene
Concen: 5.016 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion: 106 Resp: 115018
Ion Ratio Lower Upper
106 100
91 209.7 144.8 269.0

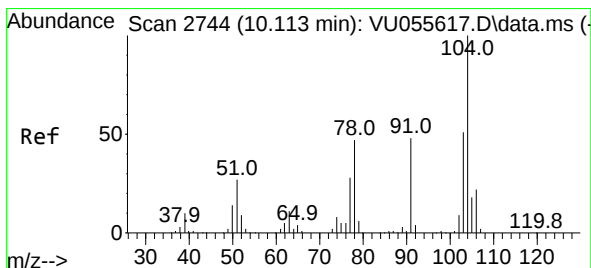
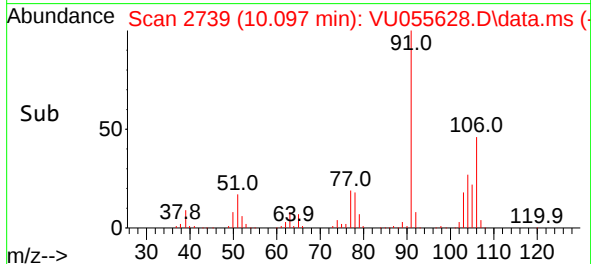
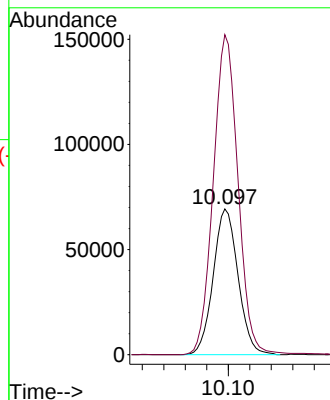
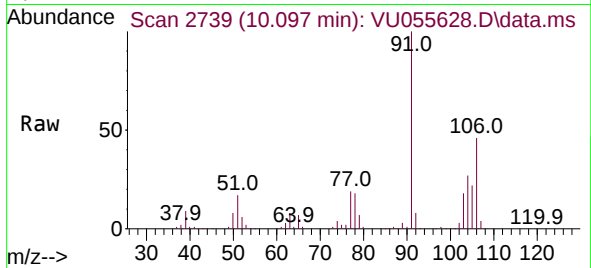




#54
o-Xylene
Concen: 4.991 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

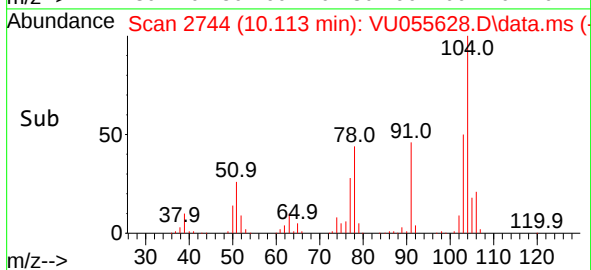
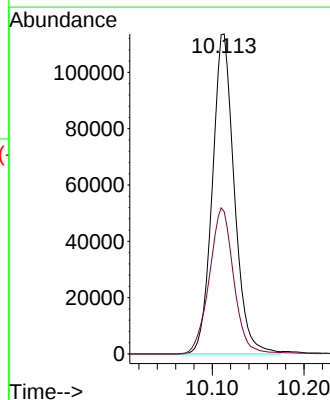
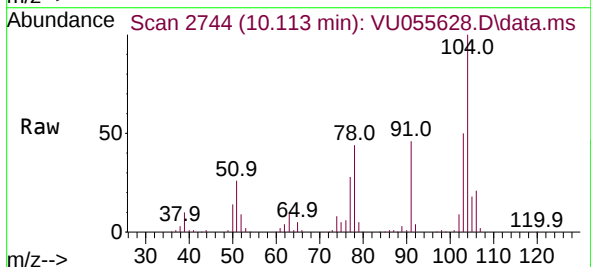
Instrument :
MSVOA_U
ClientSampleId :

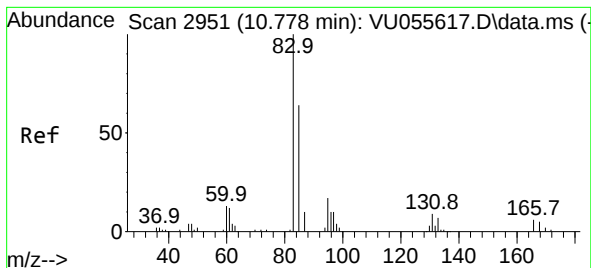
Tgt Ion:106 Resp: 111270
Ion Ratio Lower Upper
106 100
91 219.5 157.6 292.8



#55
Styrene
Concen: 5.244 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion:104 Resp: 189026
Ion Ratio Lower Upper
104 100
78 44.4 31.2 58.0

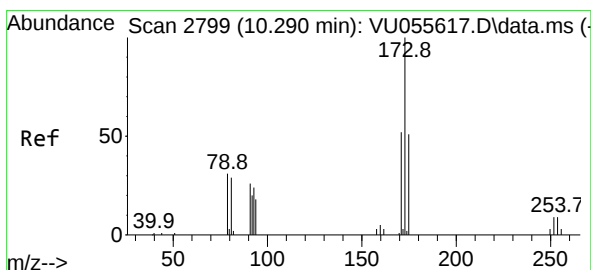
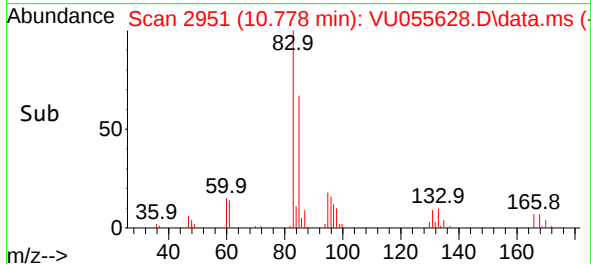
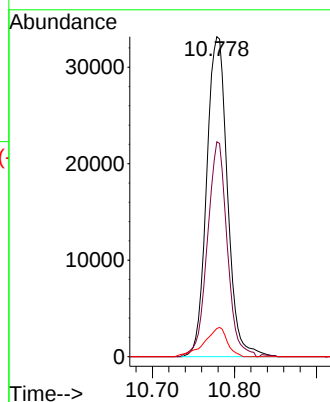
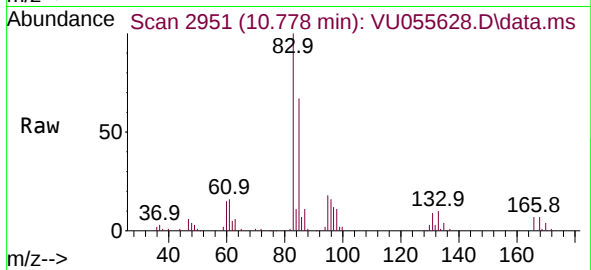




#57
1,1,2,2-Tetrachloroethane
Concen: 5.266 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

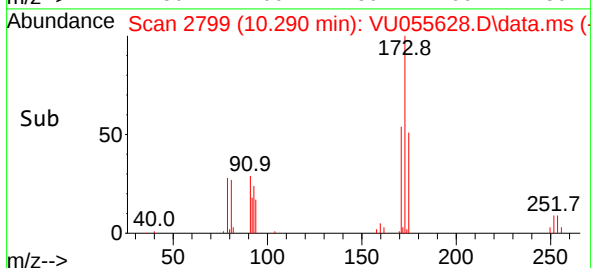
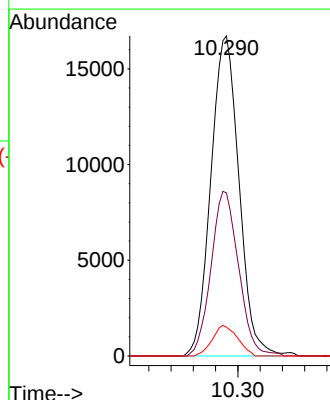
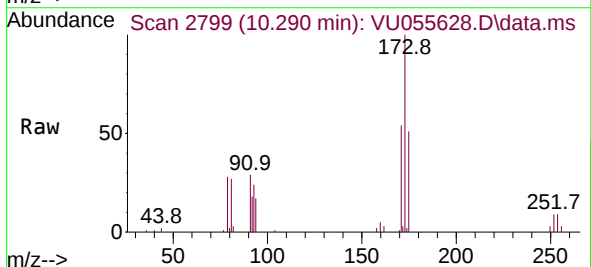
Instrument :
MSVOA_U
ClientSampleId :

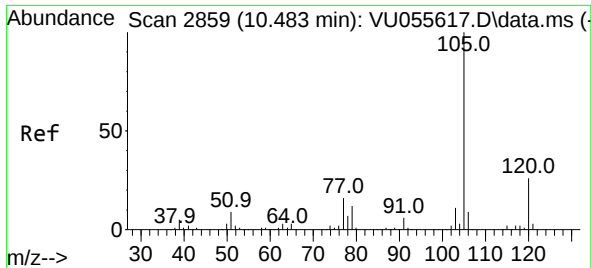
Tgt Ion:	83	Resp:	58326
Ion	Ratio	Lower	Upper
83	100		
85	67.2	44.4	82.5
131	8.8	7.4	11.2



#59
Bromoform
Concen: 5.169 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion:	173	Resp:	29239
Ion	Ratio	Lower	Upper
173	100		
175	50.5	39.4	59.2
254	8.6	7.3	10.9

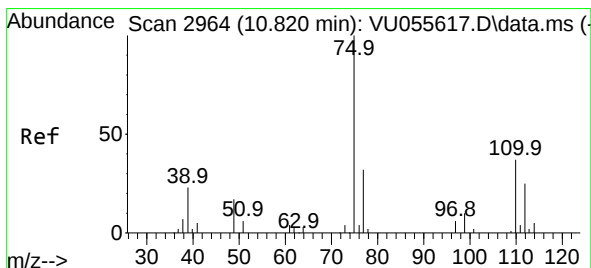
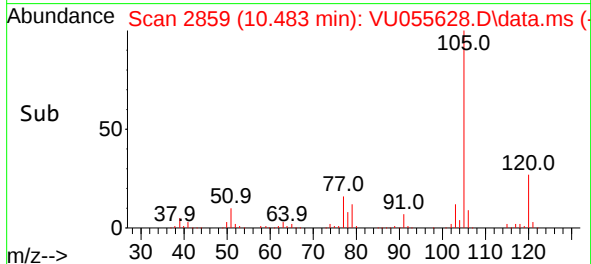
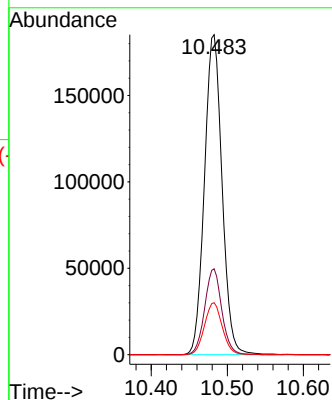
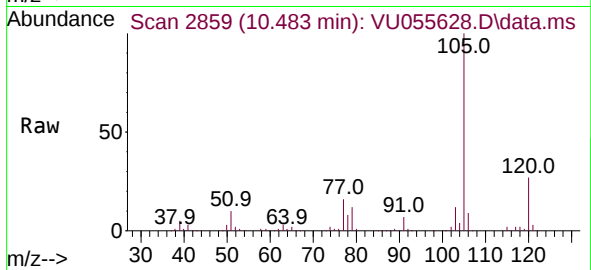




#60
Isopropylbenzene
Concen: 4.887 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

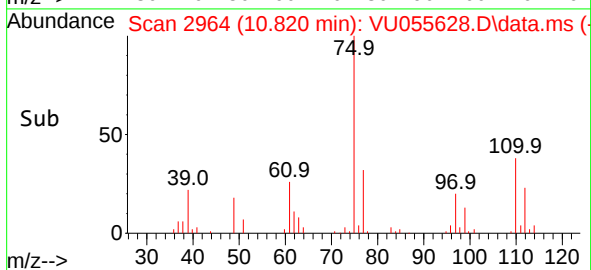
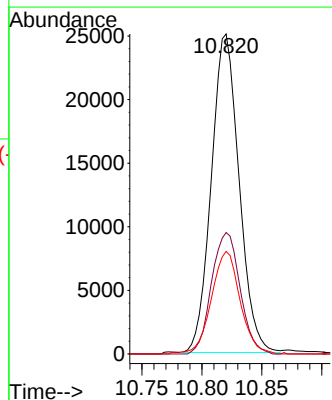
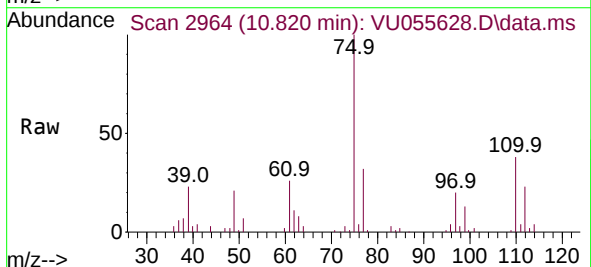
Instrument :
MSVOA_U
ClientSampleId :

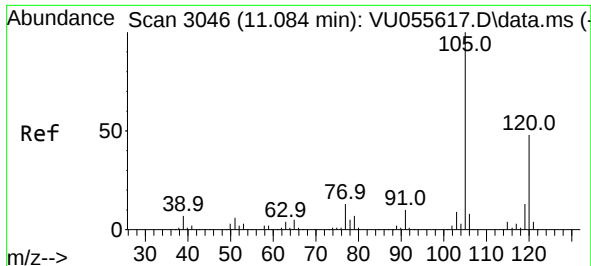
Tgt Ion:105 Resp: 297218
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 16.4 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.888 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion: 75 Resp: 40273
Ion Ratio Lower Upper
75 100
110 39.1 30.6 45.8
77 33.3 26.7 40.1

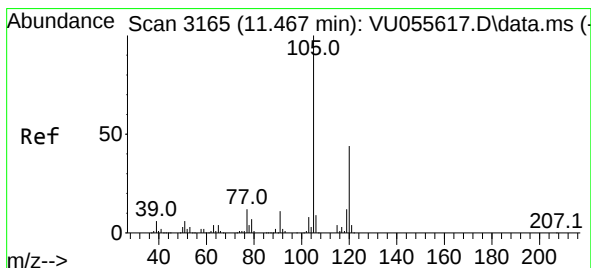
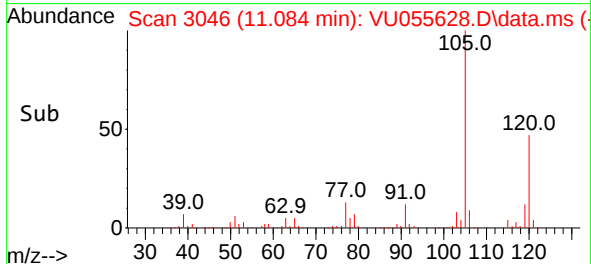
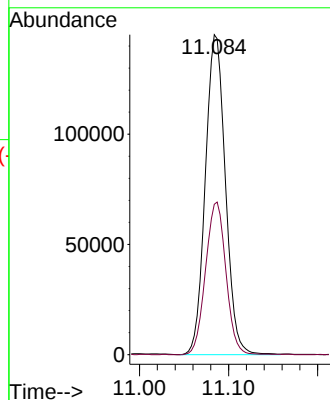
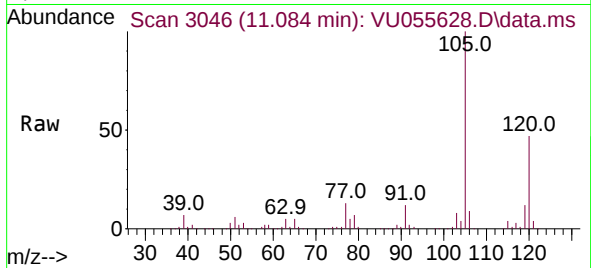




#62
1,3,5-Trimethylbenzene
Concen: 4.667 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

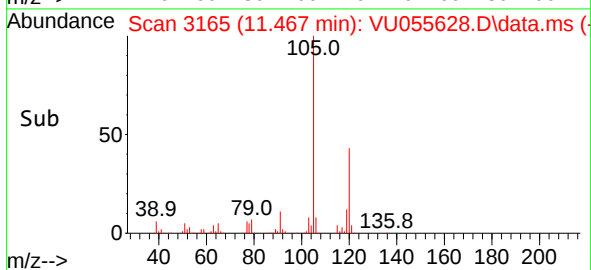
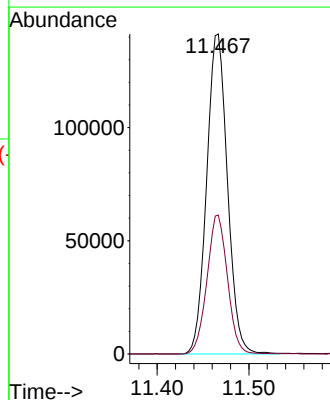
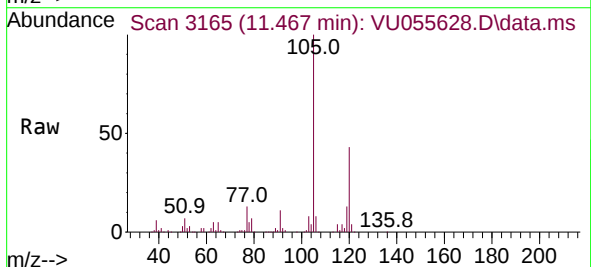
Instrument :
MSVOA_U
ClientSampleId :

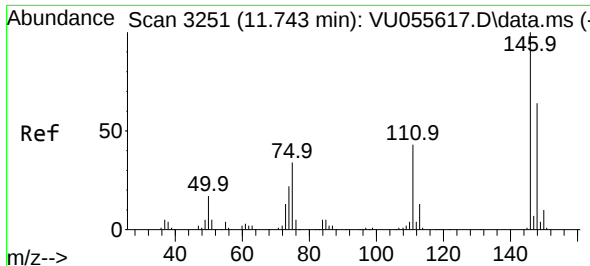
Tgt Ion:105 Resp: 227017
Ion Ratio Lower Upper
105 100
120 48.4 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 4.680 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion:105 Resp: 222815
Ion Ratio Lower Upper
105 100
120 42.7 34.9 52.3

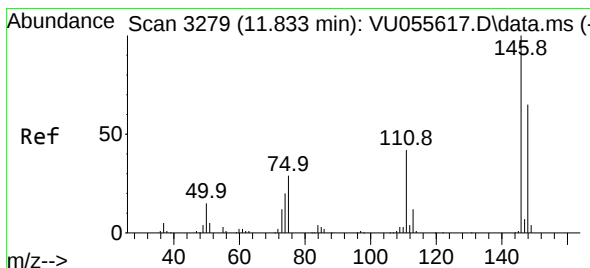
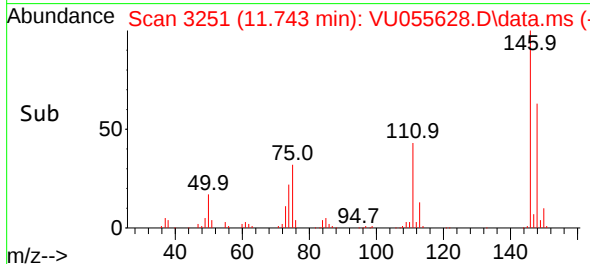
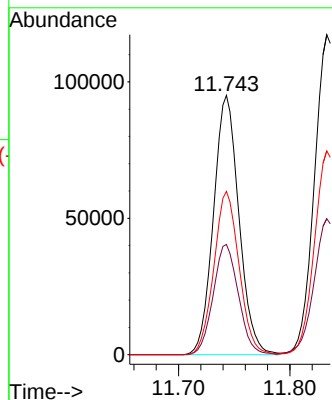
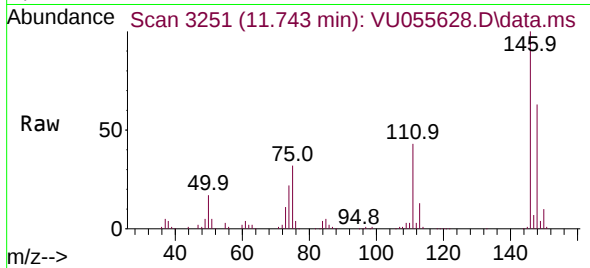




#64
1,3-Dichlorobenzene
Concen: 5.181 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

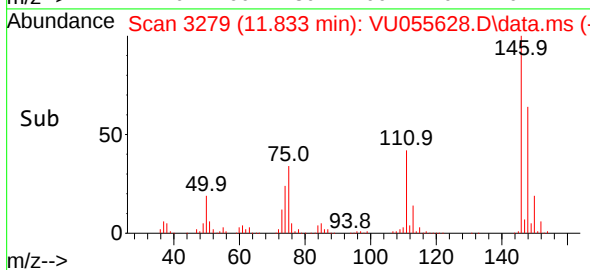
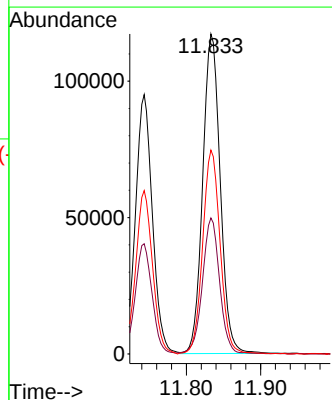
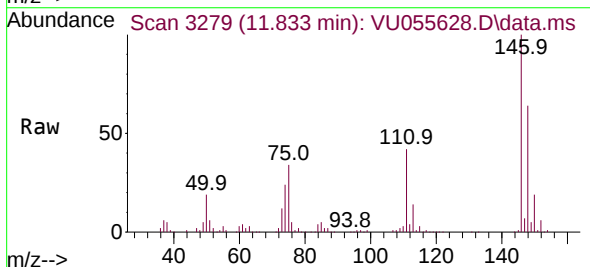
Instrument :
MSVOA_U
ClientSampleId :

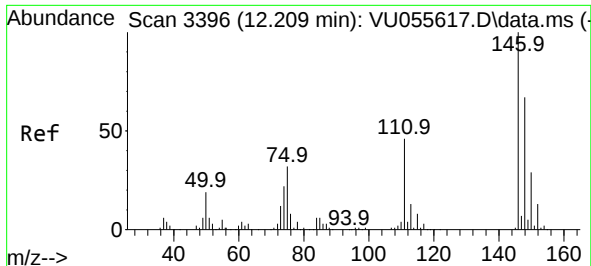
Tgt Ion:146 Resp: 150881
Ion Ratio Lower Upper
146 100
111 42.5 28.8 53.6
148 63.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 6.593 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion:146 Resp: 191886
Ion Ratio Lower Upper
146 100
111 42.5 29.0 53.8
148 63.7 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 4.804 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

ClientSampleId :

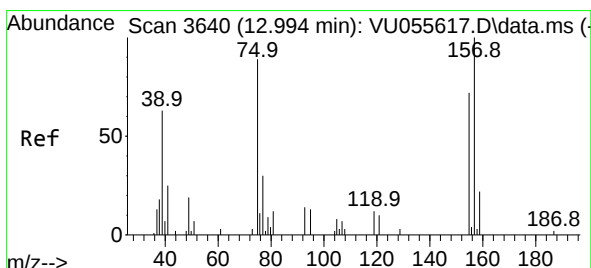
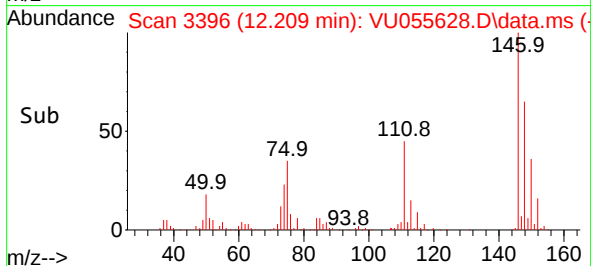
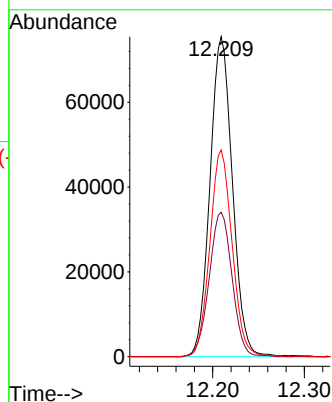
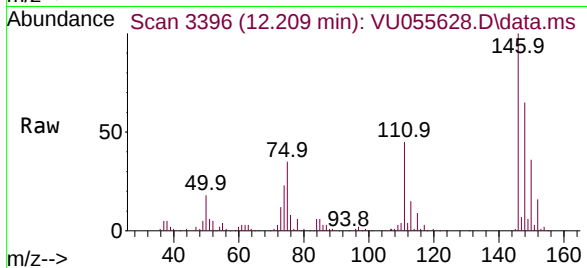
Tgt Ion:146 Resp: 128272

Ion Ratio Lower Upper

146 100

111 45.2 34.6 52.0

148 64.6 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.839 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

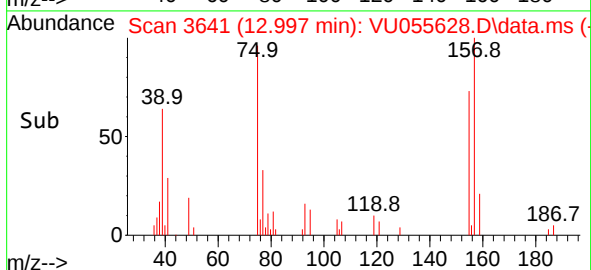
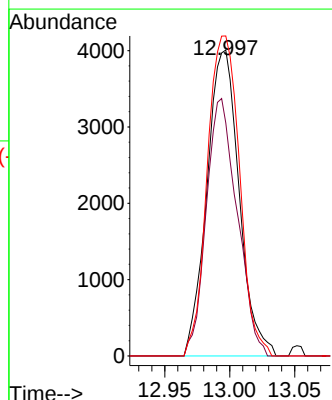
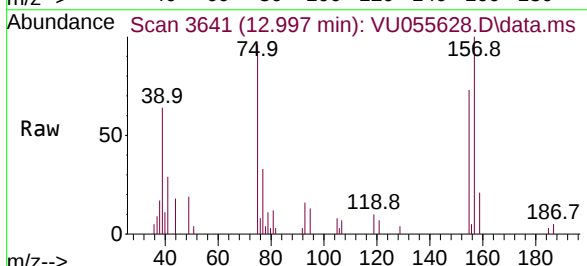
Tgt Ion: 75 Resp: 6910

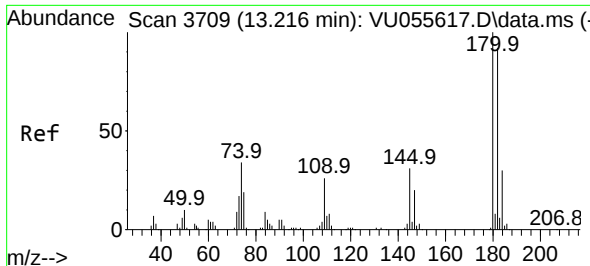
Ion Ratio Lower Upper

75 100

155 76.1 69.2 103.8

157 104.6 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 4.513 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 90493

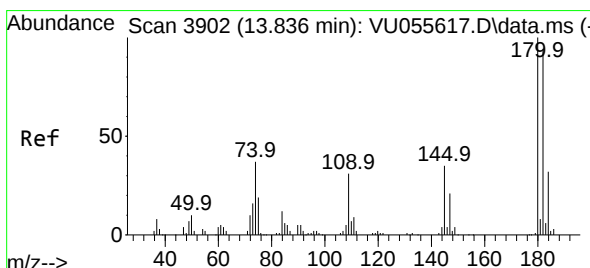
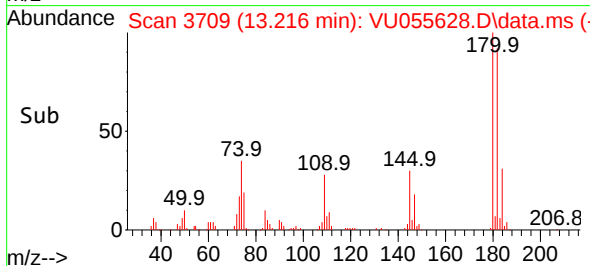
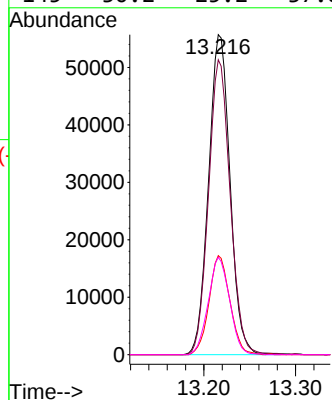
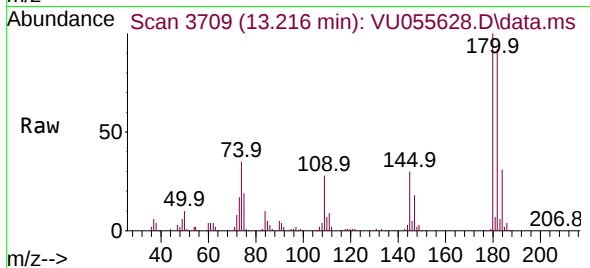
Ion Ratio Lower Upper

180 100

182 93.0 77.1 115.7

184 30.2 24.0 36.0

145 30.2 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.775 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055628.D

Acq: 03 Oct 2023 01:25

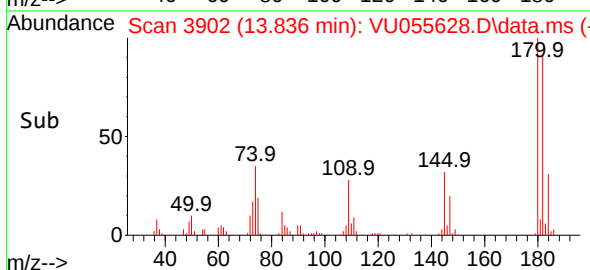
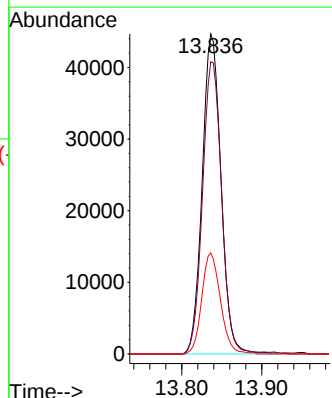
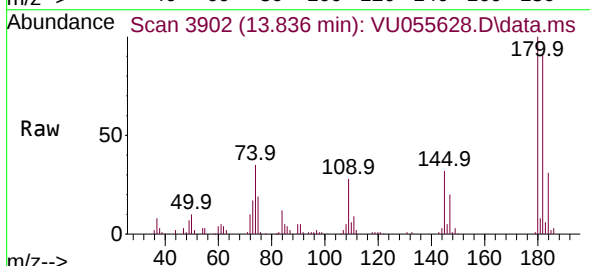
Tgt Ion:180 Resp: 73008

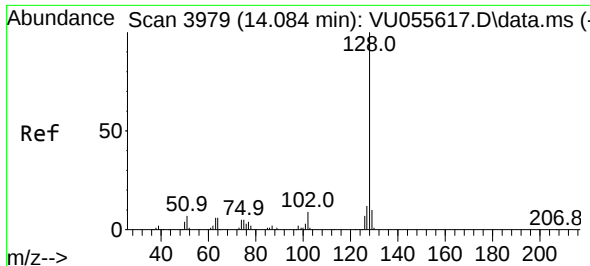
Ion Ratio Lower Upper

180 100

182 92.9 76.4 114.6

145 31.4 25.4 38.0

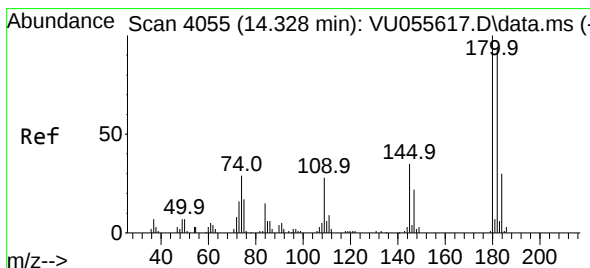
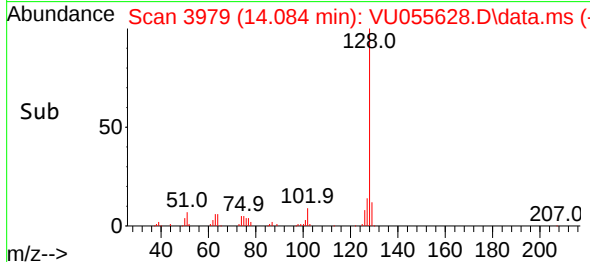
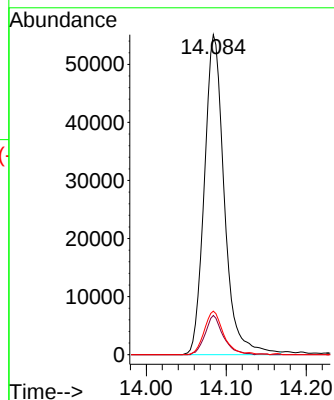
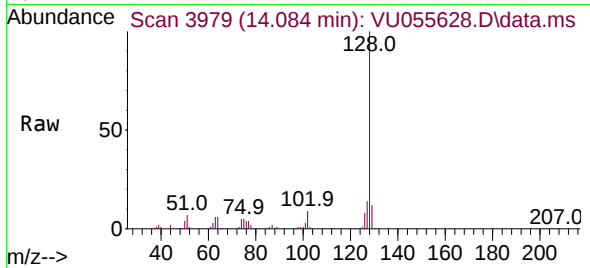




#71
Naphthalene
Concen: 4.325 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 95727
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 12.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.388 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU055628.D
Acq: 03 Oct 2023 01:25

Tgt Ion:180 Resp: 58375
Ion Ratio Lower Upper
180 100
182 93.2 76.2 114.4
145 34.3 26.0 39.0

