

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054789.D
 Acq On : 17 Jul 2023 10:14
 Operator : MD/SY
 Sample : VSTD01030
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010030

Quant Time: Jul 18 05:33:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	230571	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	222241	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	121198	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	16708	9.376	ug/L	0.00
7) Chloroethane-d5	1.634	69	443	0.249	ug/L	-0.24
11) 1,1-Dichloroethene-d2	2.557	63	23550	9.212	ug/L	0.00
21) 2-Butanone-d5	4.627	46	17857	15.589	ug/L	0.01
24) Chloroform-d	5.062	84	25048	9.029	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	15111	9.097	ug/L	0.00
32) Benzene-d6	5.721	84	48945	9.246	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	16147	9.058	ug/L	0.00
41) Toluene-d8	7.894	98	42882	8.501	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	7782	8.534	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	14418	17.111	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	28446	8.688	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	17501	8.403	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	16679	9.572	ug/L	97
3) Chloromethane	1.518	50	21212	10.674	ug/L	99
5) Vinyl chloride	1.602	62	26292	10.176	ug/L	98
6) Bromomethane	1.827	94	16883	10.736	ug/L	100
8) Chloroethane	1.904	64	17515	9.799	ug/L	99
9) Trichlorofluoromethane	2.120	101	41284	9.983	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	14964	9.809	ug/L	97
12) 1,1-Dichloroethene	2.566	96	13960	9.731	ug/L	99
13) Acetone	2.624	43	18885	19.601	ug/L	99
14) Carbon disulfide	2.782	76	40147	9.584	ug/L	98
15) Methyl Acetate	2.943	43	16137	10.042	ug/L	97
16) Methylene chloride	3.039	84	17696	10.218	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	15105	10.172	ug/L	92
18) Methyl tert-butyl Ether	3.357	73	50845	9.894	ug/L	98
19) 1,1-Dichloroethane	3.859	63	28993	10.232	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	18154	10.286	ug/L	92
22) 2-Butanone	4.705	43	24526	18.641	ug/L	94
23) Bromochloromethane	4.971	128	8904	9.916	ug/L	96
25) Chloroform	5.084	83	29462	9.916	ug/L	97
27) 1,2-Dichloroethane	5.788	62	22834	10.119	ug/L	96
29) Cyclohexane	5.380	56	25799	10.557	ug/L	95
30) 1,1,1-Trichloroethane	5.309	97	24318	9.860	ug/L #	85
31) Carbon tetrachloride	5.518	117	21877	10.271	ug/L	98
33) Benzene	5.769	78	64925	10.196	ug/L	100
34) Trichloroethene	6.537	95	16319	10.068	ug/L	93
35) Methylcyclohexane	6.756	83	26504	10.006	ug/L	98
37) 1,2-Dichloropropane	6.785	63	17786	10.156	ug/L #	93
38) Bromodichloromethane	7.100	83	22557	10.040	ug/L	93
39) cis-1,3-Dichloropropene	7.605	75	27266	9.440	ug/L	90
40) 4-Methyl-2-pentanone	7.788	43	52718	19.660	ug/L	100
42) Toluene	7.965	91	70487	9.893	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	26196	9.654	ug/L	96

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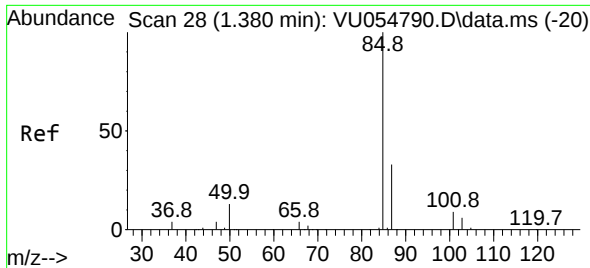
Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Jul 18 05:33:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.396	97	18174	10.179	ug/L	94
46) Tetrachloroethene	8.550	164	12344	9.934	ug/L	90
48) 2-Hexanone	8.685	43	41879	19.324	ug/L	99
49) Dibromochloromethane	8.807	129	17671	9.609	ug/L	99
50) 1,2-Dibromoethane	8.920	107	18941	9.856	ug/L #	95
51) Chlorobenzene	9.444	112	44230	9.542	ug/L	99
52) Ethylbenzene	9.566	91	81258	9.864	ug/L	100
53) m,p-Xylene	9.692	106	30337	9.673	ug/L	98
54) o-Xylene	10.097	106	29921	9.391	ug/L	95
55) Styrene	10.113	104	51971	9.365	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	34724	9.851	ug/L	98
59) Bromoform	10.286	173	14899	9.828	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	24369	10.305	ug/L	97
61) Isopropylbenzene	10.479	105	80408	10.041	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	63899	9.689	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	64090	9.804	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	37182	10.012	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	37041	9.902	ug/L	89
67) 1,2-Dichlorobenzene	12.209	146	37196	9.970	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.994	75	6835	10.814	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.839	180	20394	8.192	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	20394	9.489	ug/L	97
71) Naphthalene	14.084	128	65248	9.249	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	18456	8.818	ug/L #	95

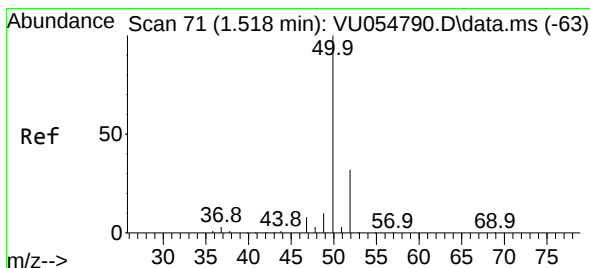
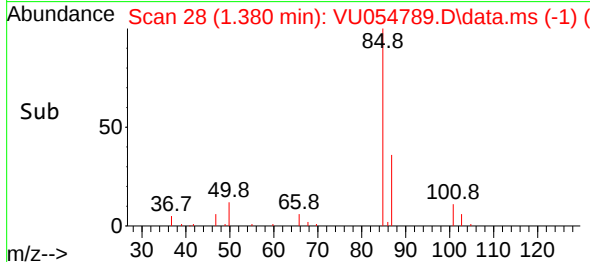
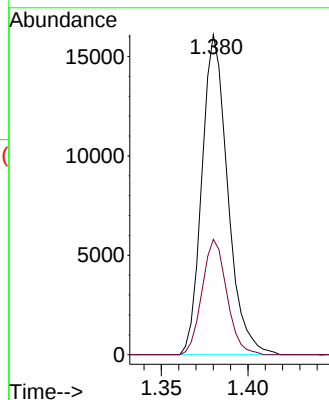
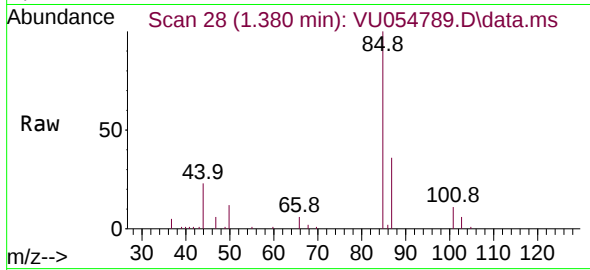
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 9.572 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

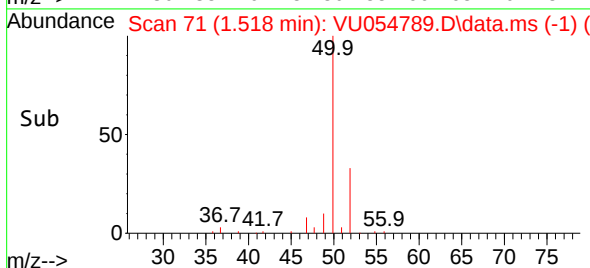
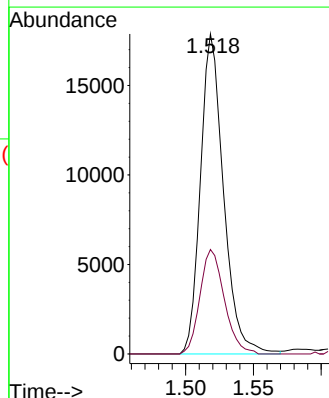
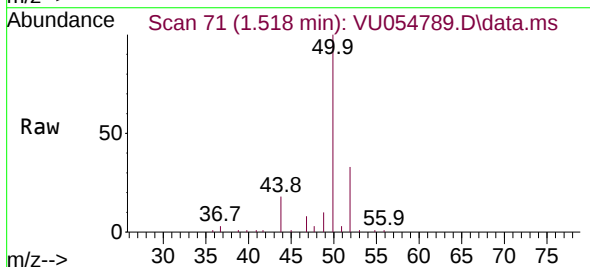
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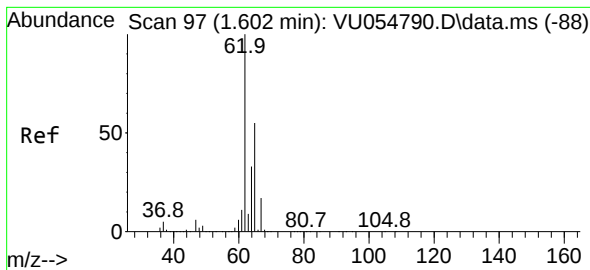
Tgt Ion: 85 Resp: 16679
 Ion Ratio Lower Upper
 85 100
 87 34.4 26.2 39.2



#3
 Chloromethane
 Concen: 10.674 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

Tgt Ion: 50 Resp: 21212
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.9

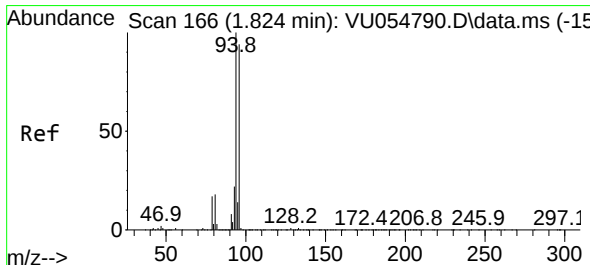
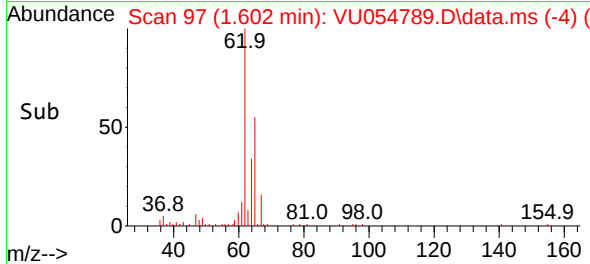
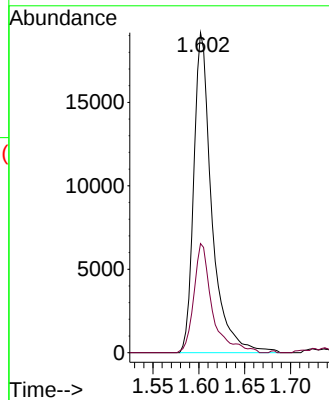
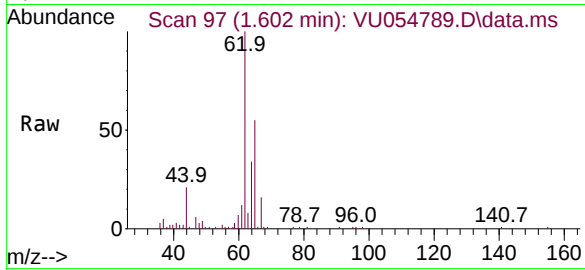




#5
 Vinyl chloride
 Concen: 10.176 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

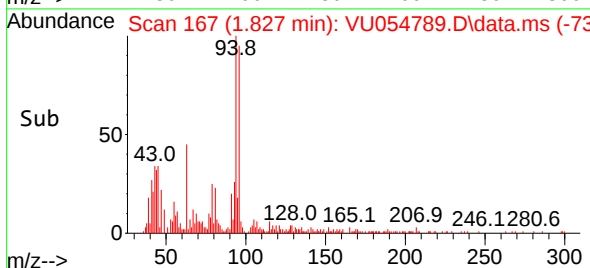
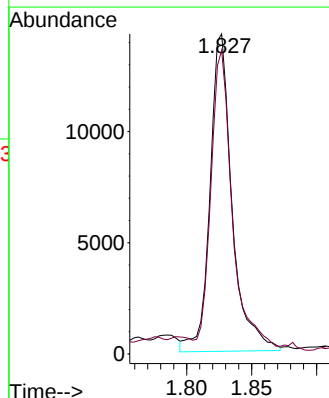
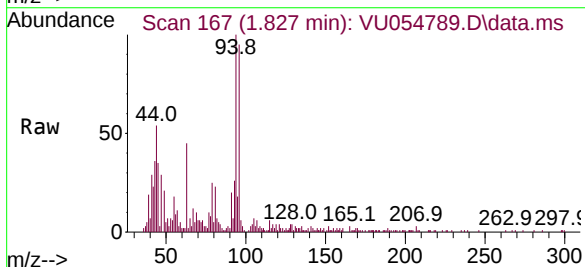
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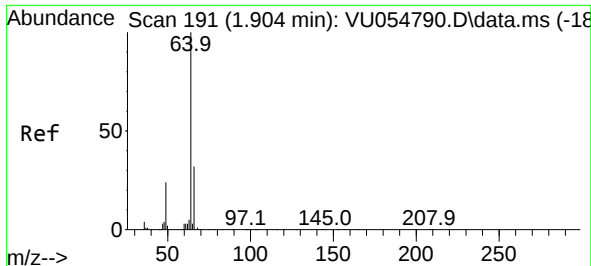
Tgt Ion: 62 Resp: 26292
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.9 42.5



#6
 Bromomethane
 Concen: 10.736 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. 0.003 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

Tgt Ion: 94 Resp: 16883
 Ion Ratio Lower Upper
 94 100
 96 94.9 66.1 122.8

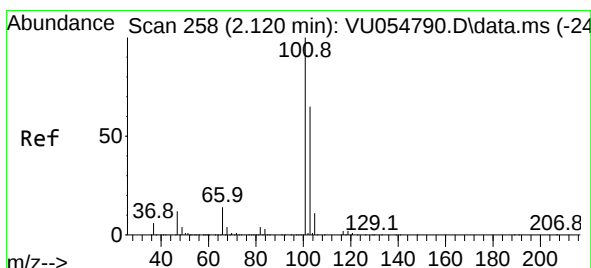
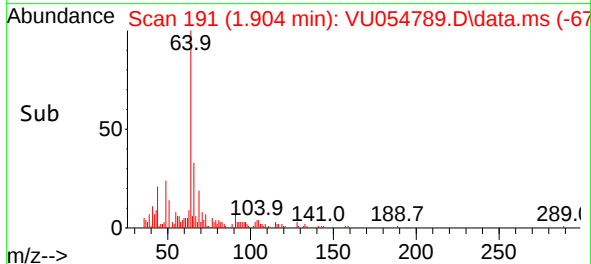
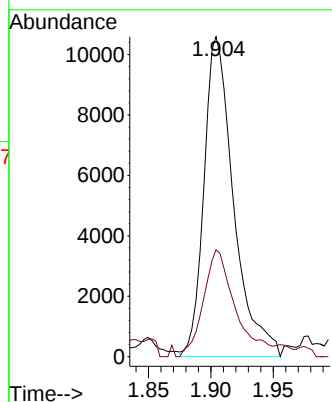
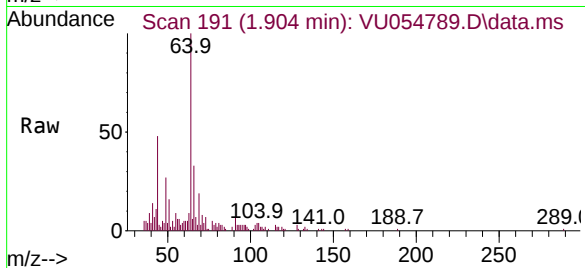




#8
Chloroethane
Concen: 9.799 ug/L
RT: 1.904 min Scan# 191
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

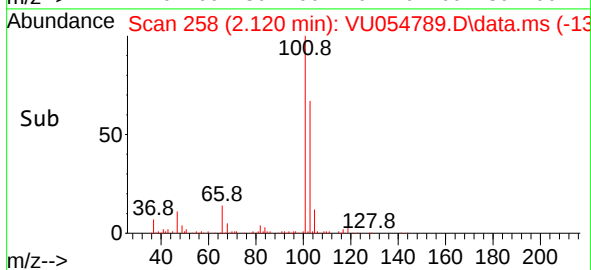
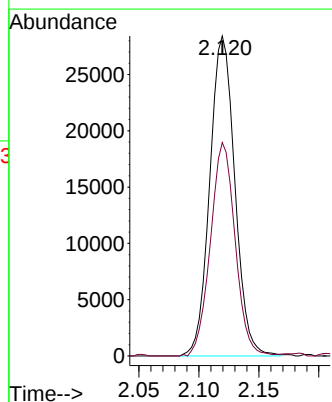
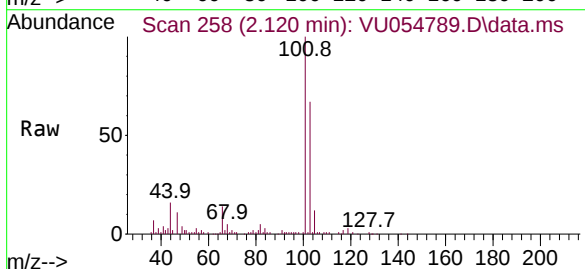
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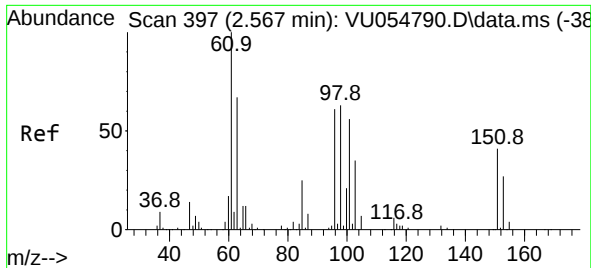
Tgt Ion: 64 Resp: 17515
Ion Ratio Lower Upper
64 100
66 33.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 9.983 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 101 Resp: 41284
Ion Ratio Lower Upper
101 100
103 65.7 52.2 78.2

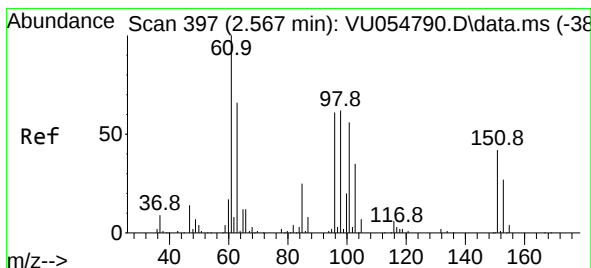
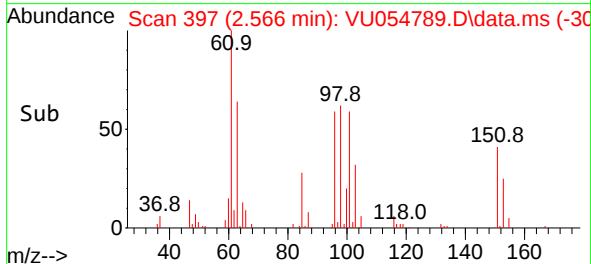
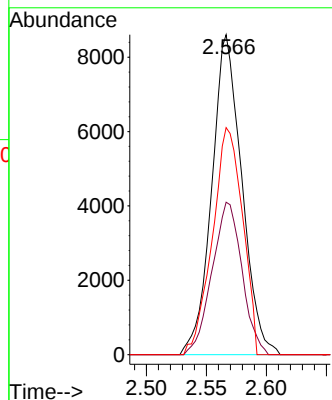
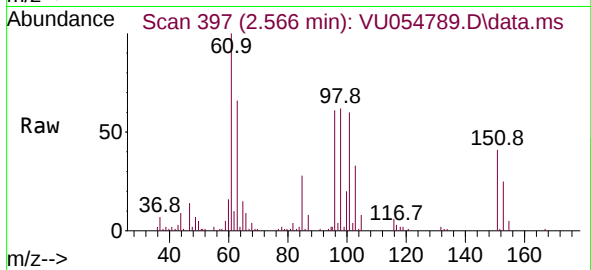




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.809 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

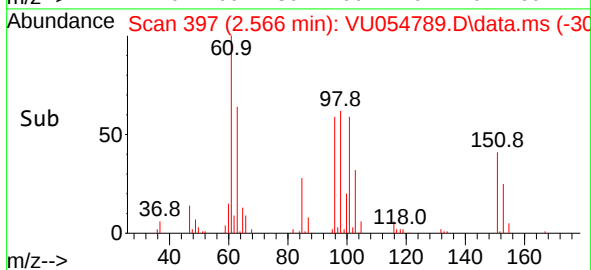
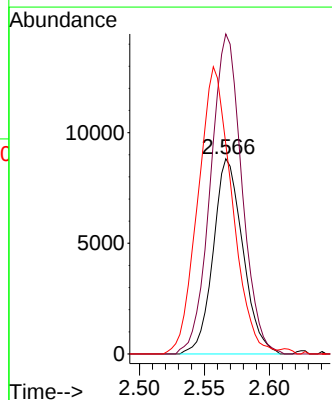
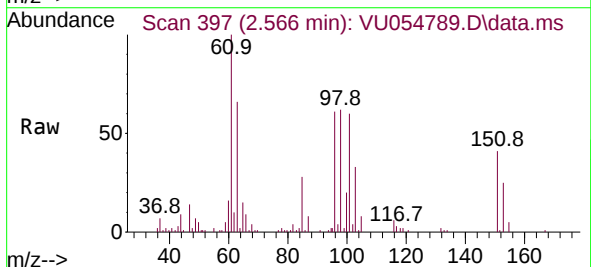
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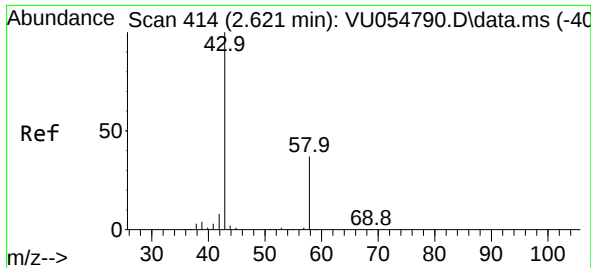
Tgt Ion:101 Resp: 14964
 Ion Ratio Lower Upper
 101 100
 85 47.5 35.3 52.9
 151 71.3 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 9.731 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

Tgt Ion: 96 Resp: 13960
 Ion Ratio Lower Upper
 96 100
 61 164.0 115.0 213.6
 63 107.5 77.6 144.0





#13

Acetone

Concen: 19.601 ug/L

RT: 2.624 min Scan# 414

Delta R.T. 0.003 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

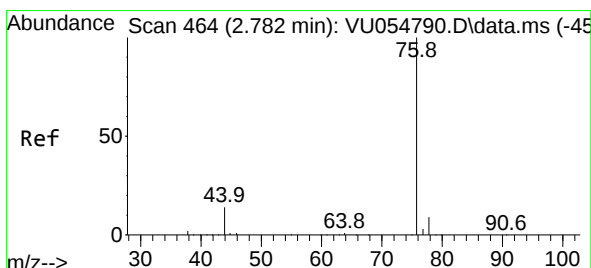
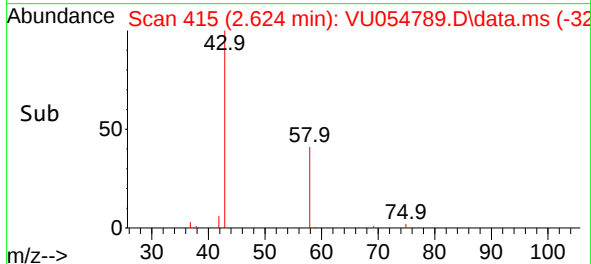
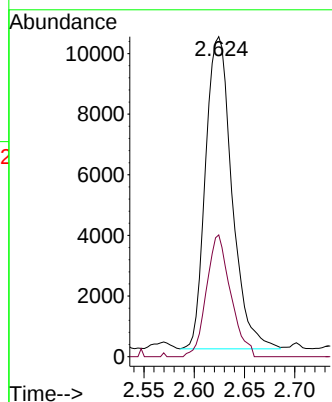
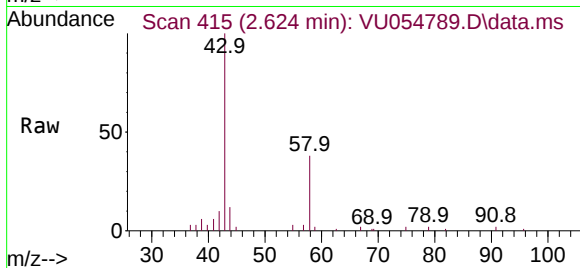
VSTD010030

Tgt Ion: 43 Resp: 18885

Ion Ratio Lower Upper

43 100

58 35.5 0.0 72.4



#14

Carbon disulfide

Concen: 9.584 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU054789.D

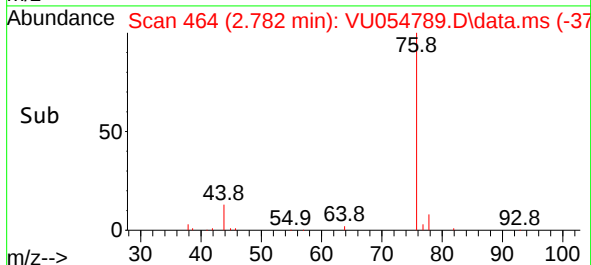
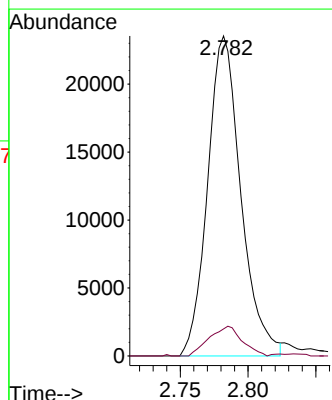
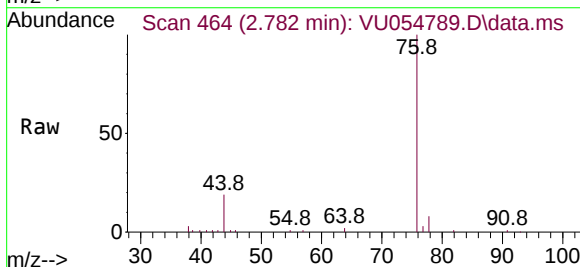
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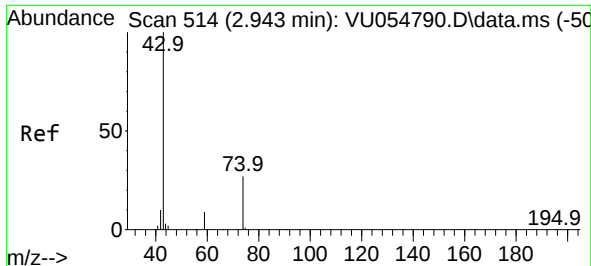
Tgt Ion: 76 Resp: 40147

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0

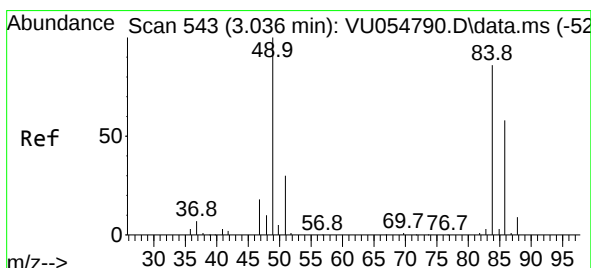
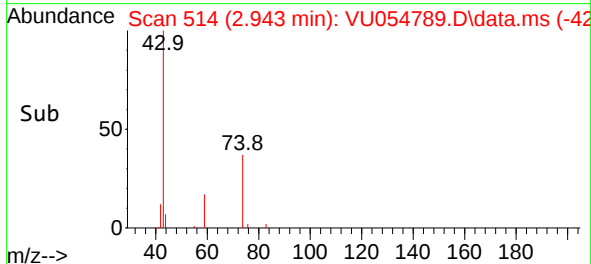
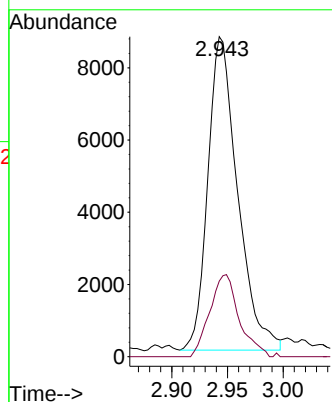
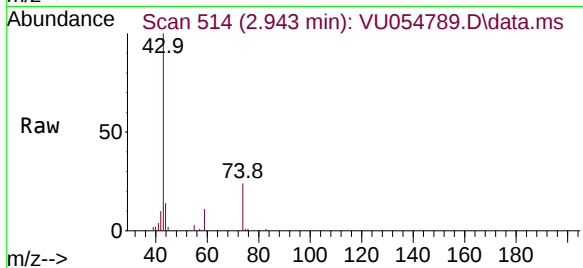




#15
Methyl Acetate
Concen: 10.042 ug/L
RT: 2.943 min Scan# 514
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

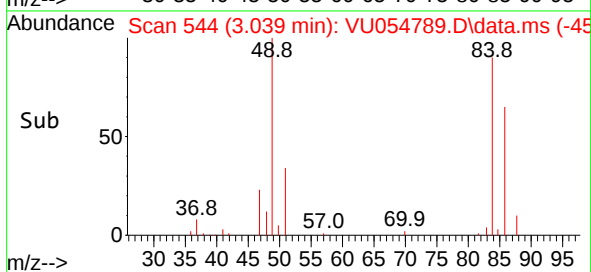
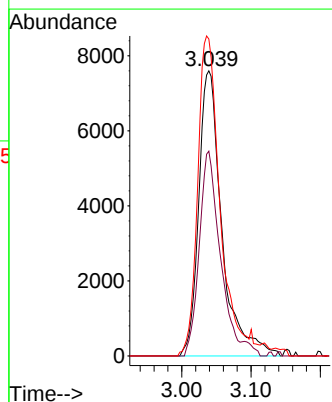
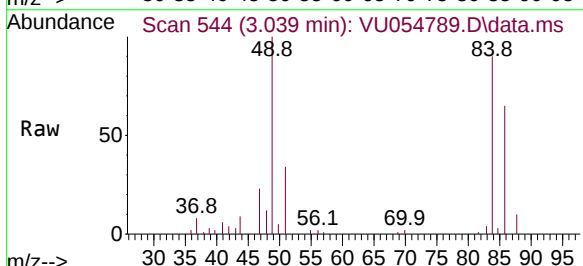
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ClientSampleId :
VSTD010030

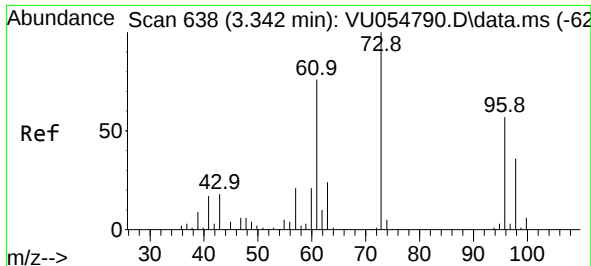
Tgt Ion: 43 Resp: 16137
Ion Ratio Lower Upper
43 100
74 25.7 21.8 32.8



#16
Methylene chloride
Concen: 10.218 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 84 Resp: 17696
Ion Ratio Lower Upper
84 100
86 69.4 46.8 87.0
49 107.4 81.3 151.1

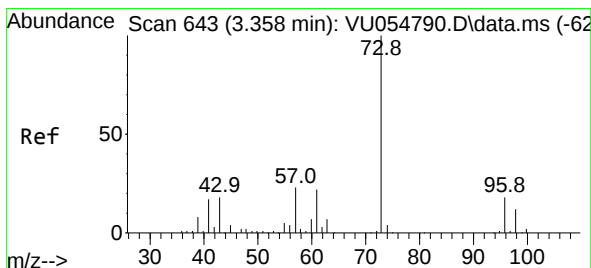
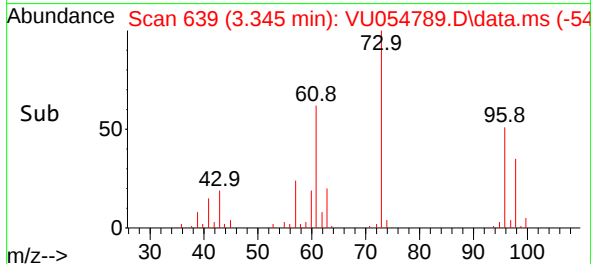
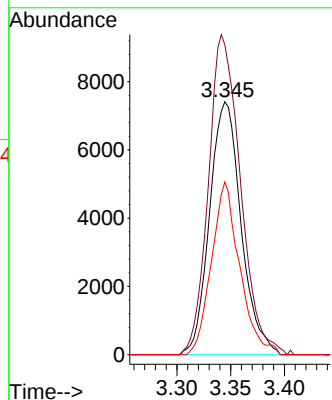
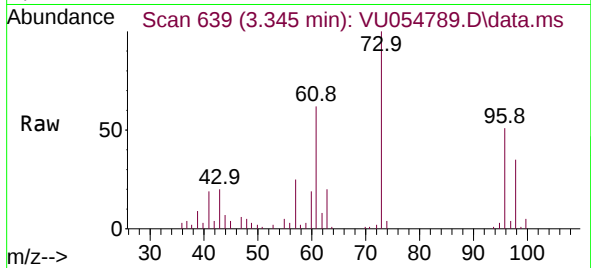




#17
trans-1,2-Dichloroethene
Concen: 10.172 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

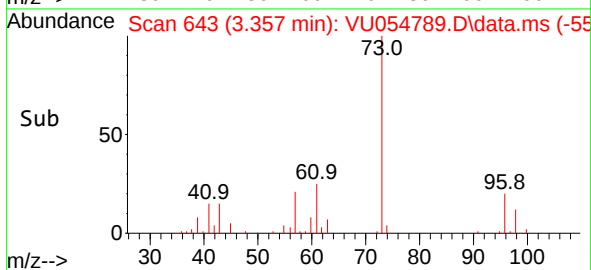
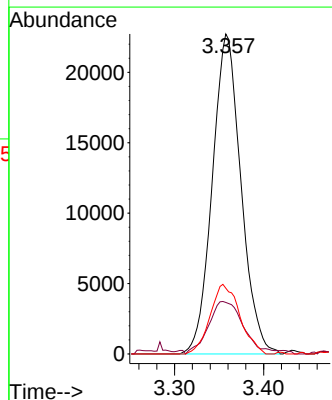
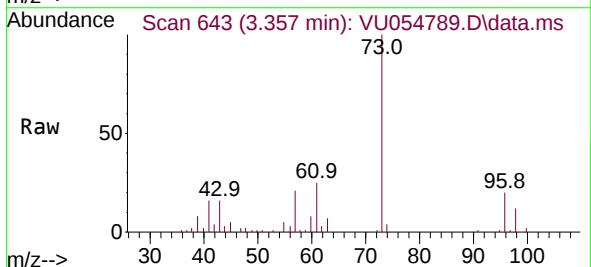
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

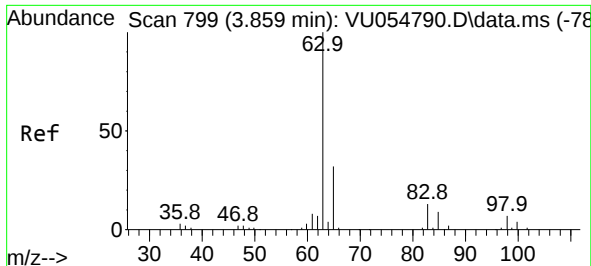
Tgt Ion: 96 Resp: 15105
Ion Ratio Lower Upper
96 100
61 122.6 93.2 173.2
98 68.2 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 9.894 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 73 Resp: 50845
Ion Ratio Lower Upper
73 100
43 19.4 14.3 21.5
57 22.5 17.4 26.0





#19

1,1-Dichloroethane

Concen: 10.232 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

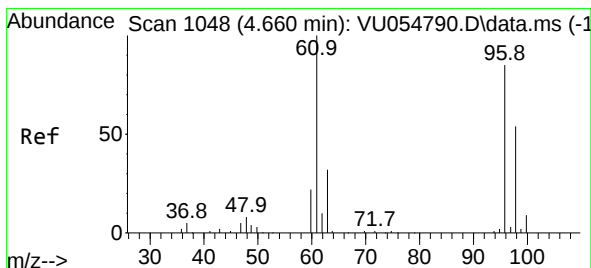
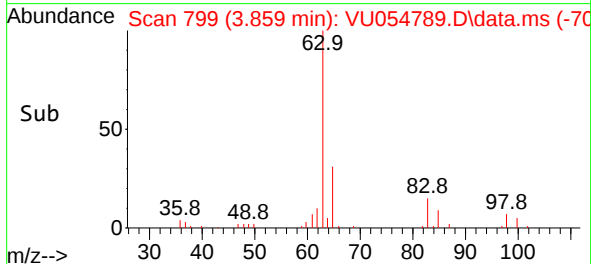
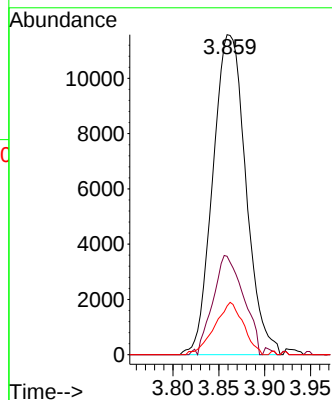
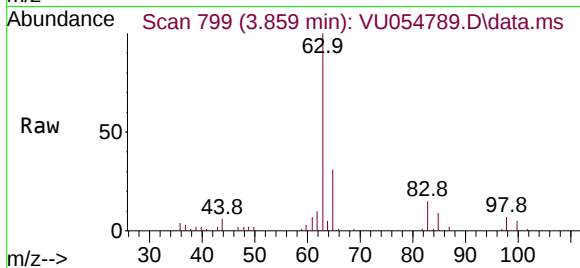
Tgt Ion: 63 Resp: 28993

Ion Ratio Lower Upper

63 100

65 29.3 22.1 41.1

83 14.5 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 10.286 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

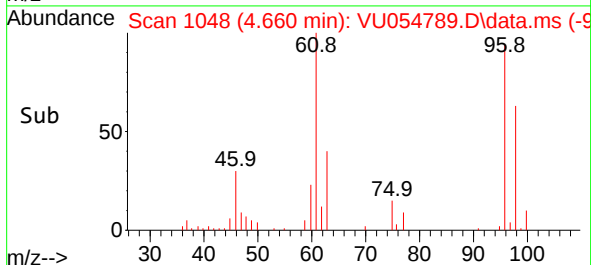
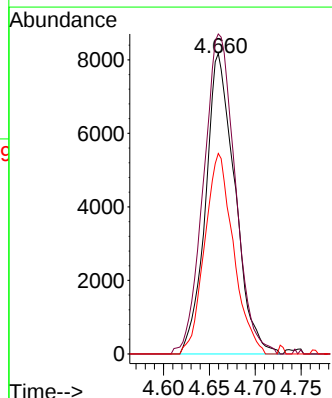
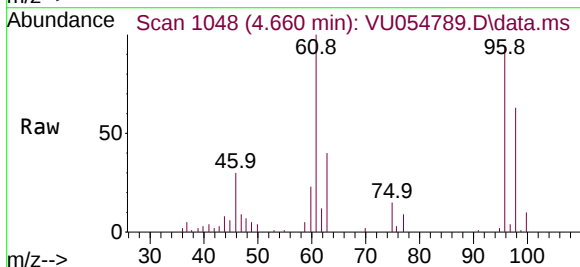
Tgt Ion: 96 Resp: 18154

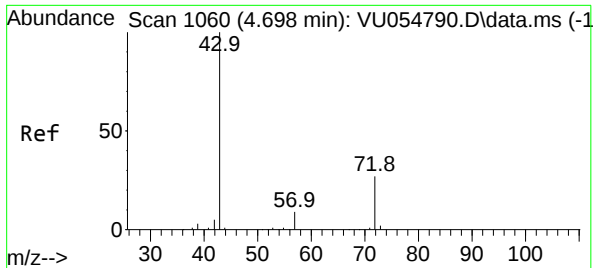
Ion Ratio Lower Upper

96 100

61 106.5 82.7 153.7

98 66.7 44.4 82.5

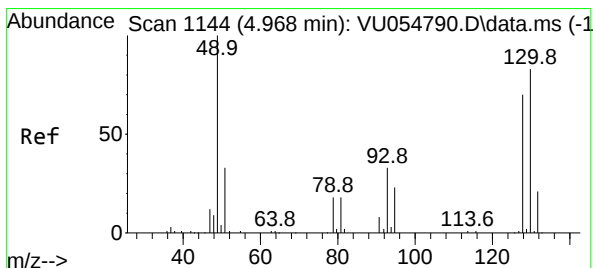
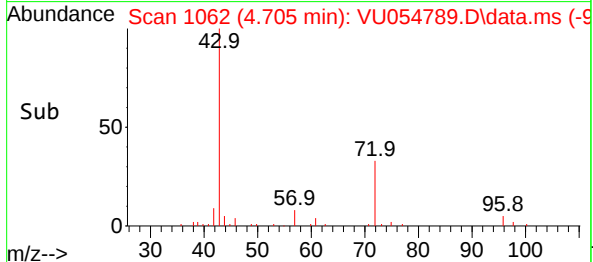
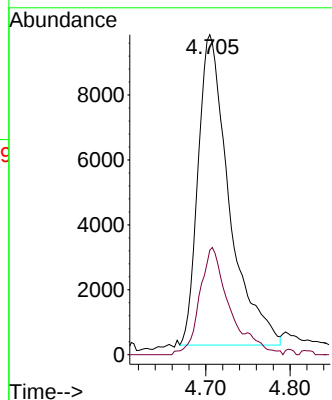
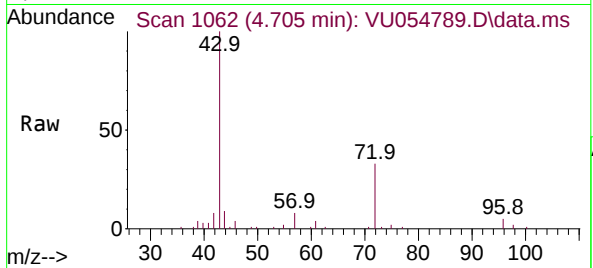




#22
2-Butanone
Concen: 18.641 ug/L
RT: 4.705 min Scan# 110
Delta R.T. 0.006 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

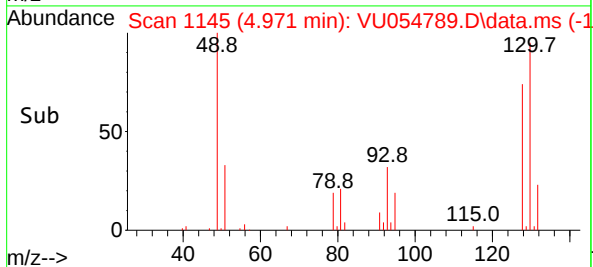
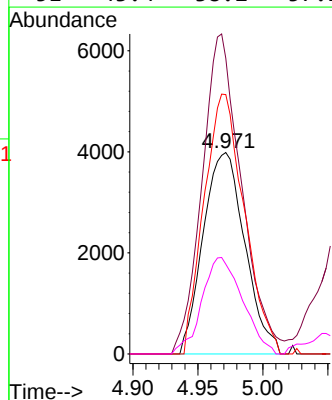
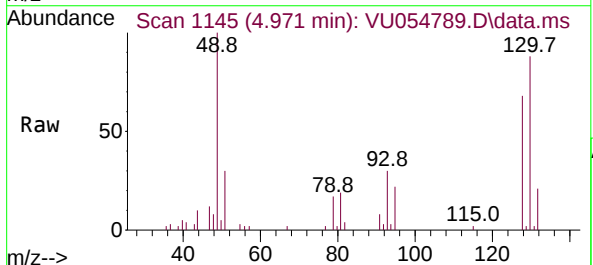
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

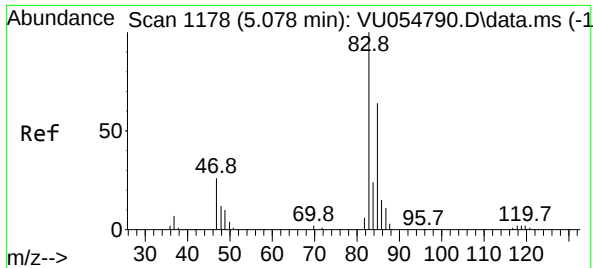
Tgt Ion: 43 Resp: 24526
Ion Ratio Lower Upper
43 100
72 27.4 15.2 45.6



#23
Bromochloromethane
Concen: 9.916 ug/L
RT: 4.971 min Scan# 1145
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 128 Resp: 8904
Ion Ratio Lower Upper
128 100
49 143.2 100.6 186.8
130 125.6 83.0 154.1
51 43.4 38.2 57.2





#25

Chloroform

Concen: 9.916 ug/L

RT: 5.084 min Scan# 1178

Delta R.T. 0.006 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

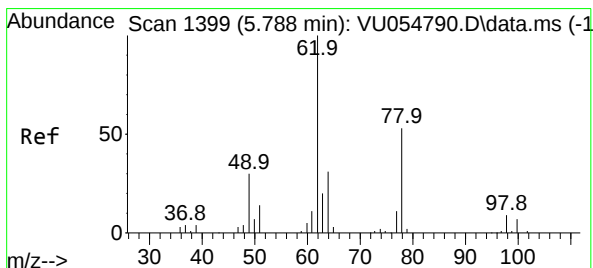
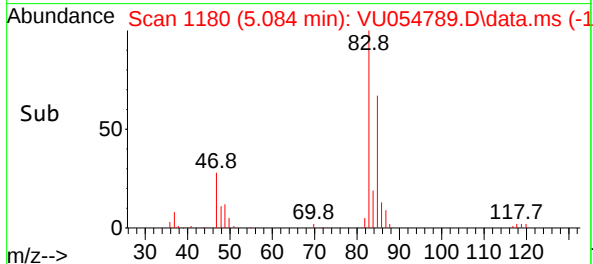
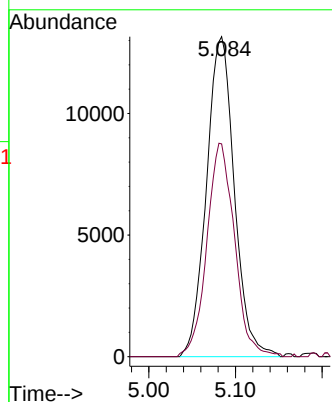
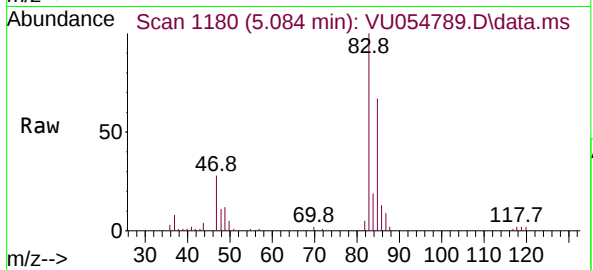
VSTD010030

Tgt Ion: 83 Resp: 29462

Ion Ratio Lower Upper

83 100

85 66.5 44.7 82.9



#27

1,2-Dichloroethane

Concen: 10.119 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU054789.D

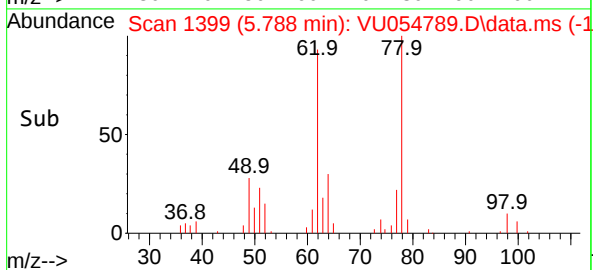
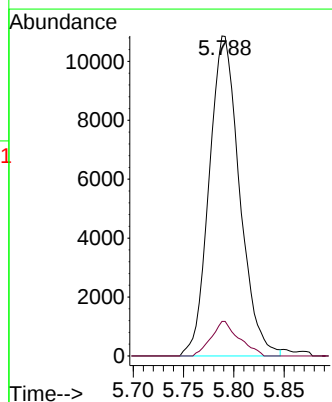
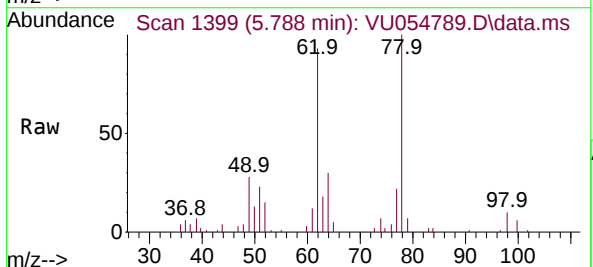
Acq: 17 Jul 2023 10:14

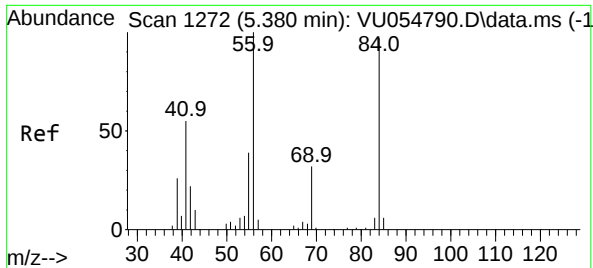
Tgt Ion: 62 Resp: 22834

Ion Ratio Lower Upper

62 100

98 10.8 7.5 11.3

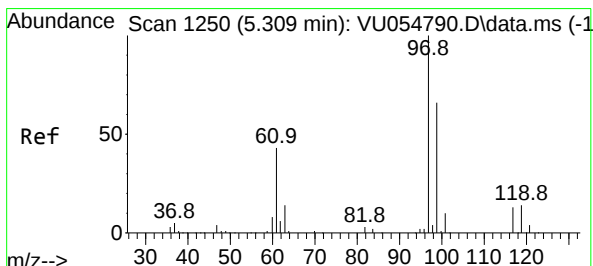
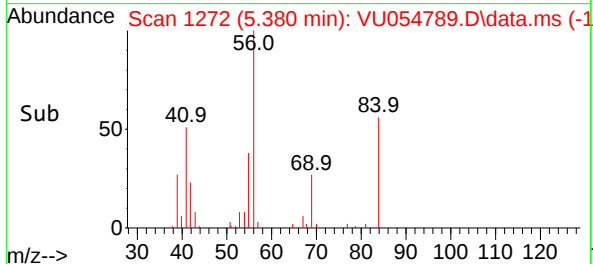
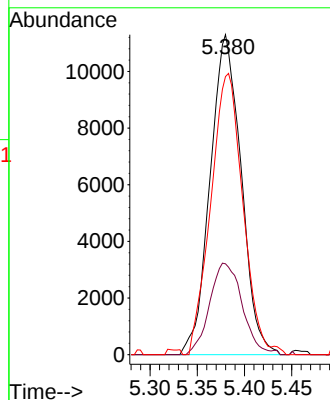
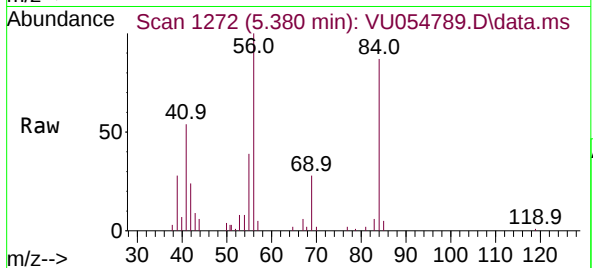




#29
Cyclohexane
Concen: 10.557 ug/L
RT: 5.380 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

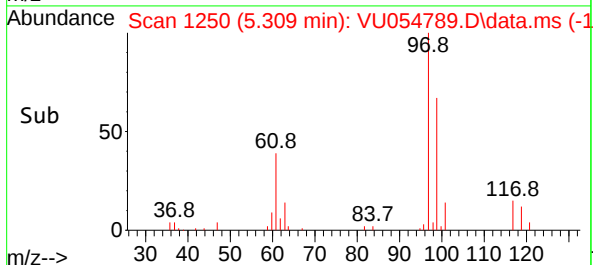
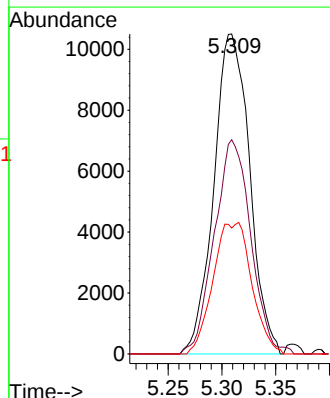
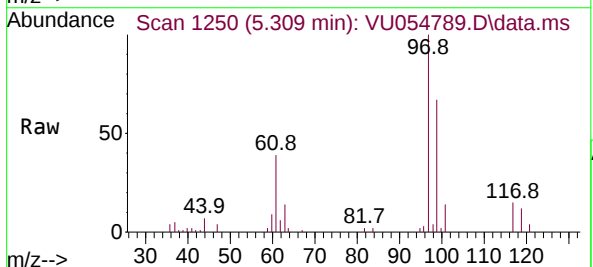
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

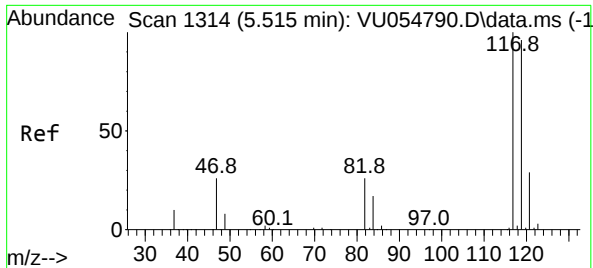
Tgt Ion:	56	Resp:	25799
Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.8	38.8
84	90.0	75.9	113.9



#30
1,1,1-Trichloroethane
Concen: 9.860 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion:	97	Resp:	24318
Ion	Ratio	Lower	Upper
97	100		
99	68.2	52.0	78.0
61	23.1	34.3	51.5

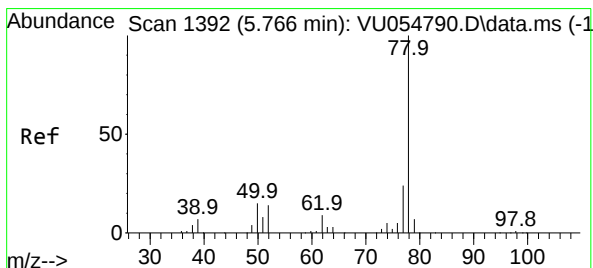
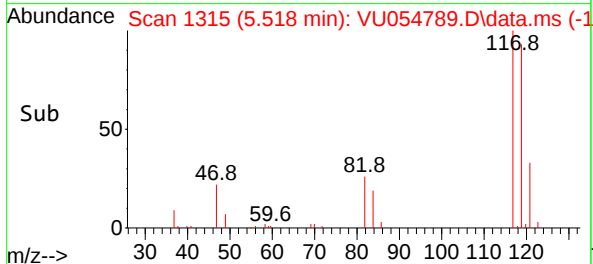
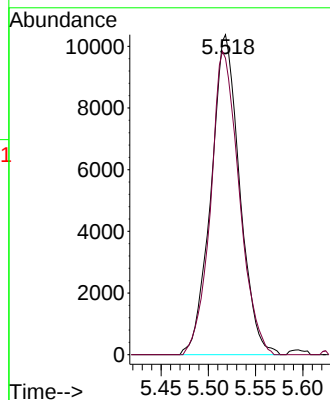
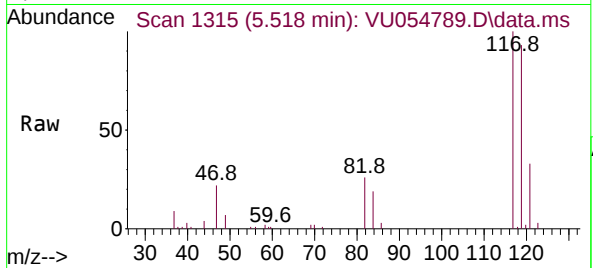




#31
Carbon tetrachloride
Concen: 10.271 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

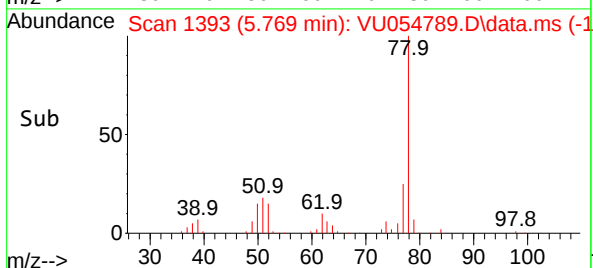
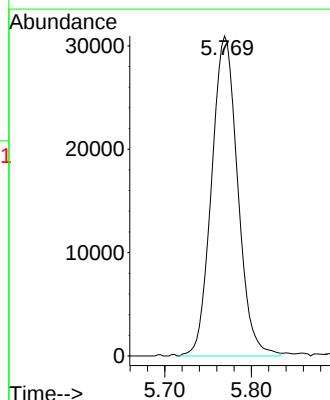
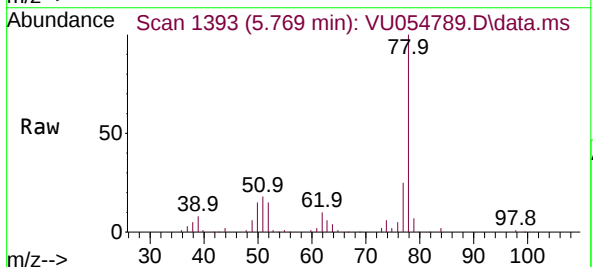
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

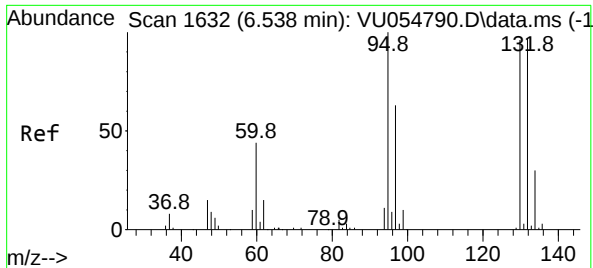
Tgt Ion:117 Resp: 21877
Ion Ratio Lower Upper
117 100
119 94.6 77.4 116.2



#33
Benzene
Concen: 10.196 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 78 Resp: 64925

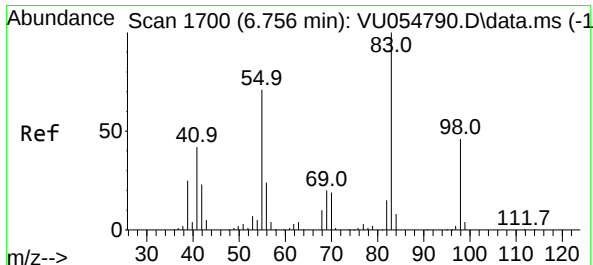
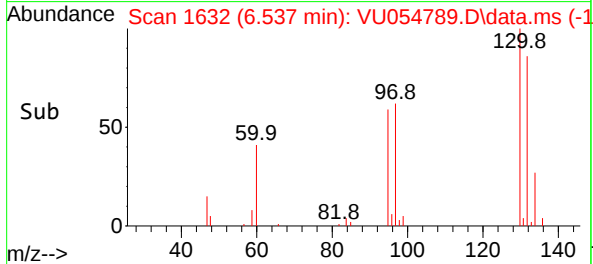
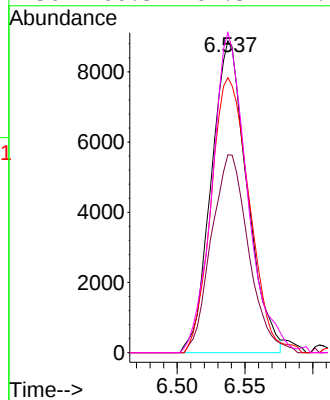
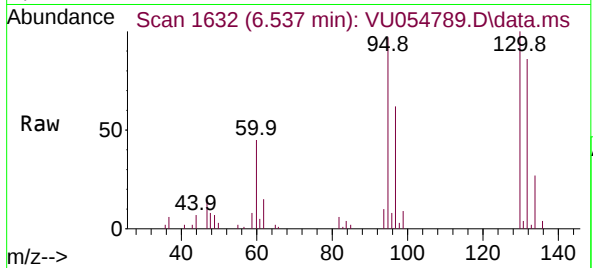




#34
Trichloroethene
Concen: 10.068 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

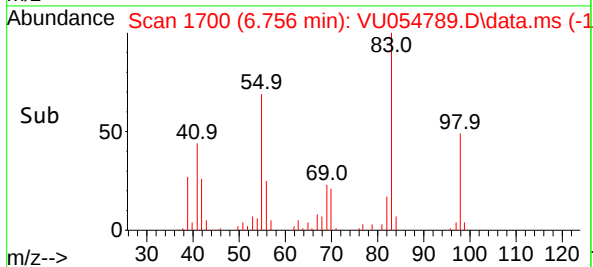
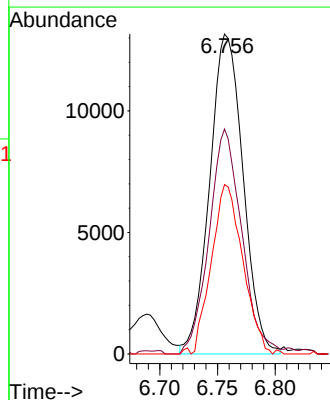
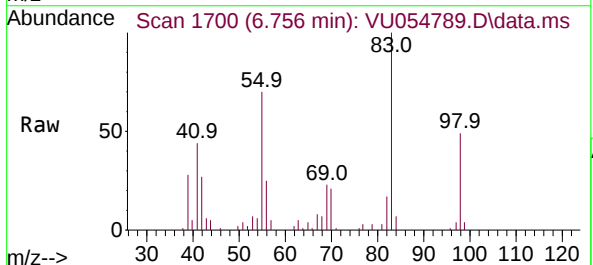
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

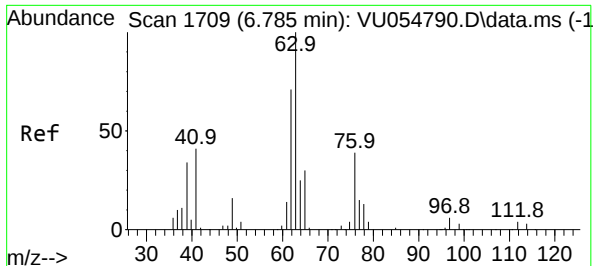
Tgt Ion: 95 Resp: 16319
Ion Ratio Lower Upper
95 100
97 63.5 44.0 81.8
132 88.2 67.9 126.1
130 106.3 67.3 124.9



#35
Methylcyclohexane
Concen: 10.006 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 83 Resp: 26504
Ion Ratio Lower Upper
83 100
55 68.7 55.8 83.8
98 49.5 38.6 58.0

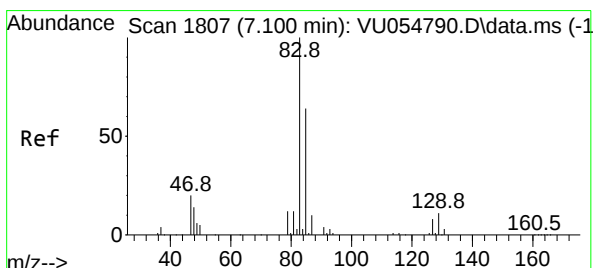
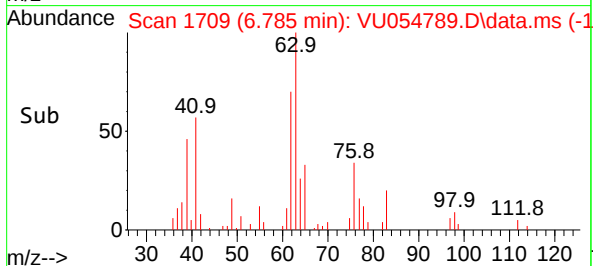
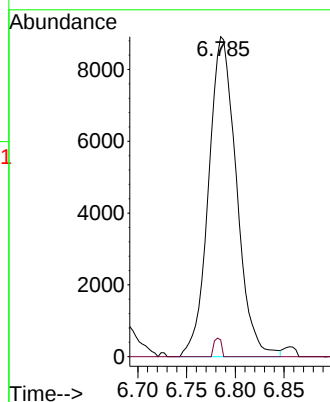
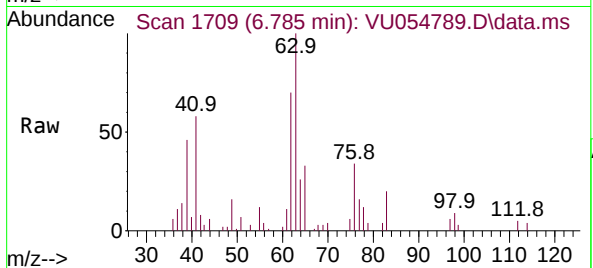




#37
1,2-Dichloropropane
Concen: 10.156 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

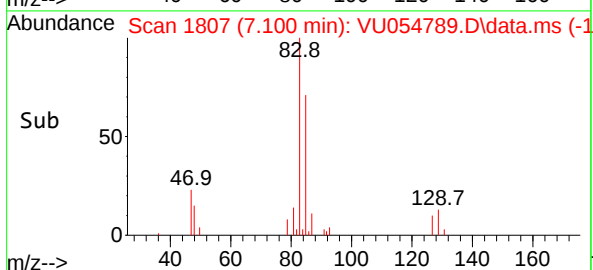
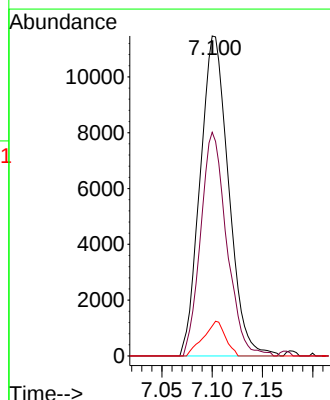
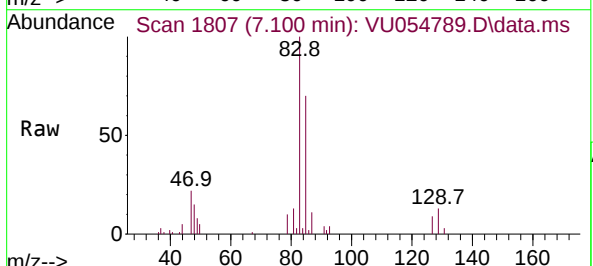
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

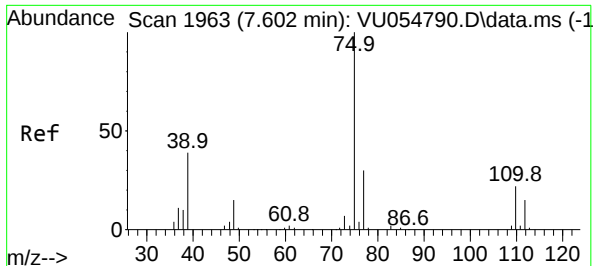
Tgt Ion: 63 Resp: 17786
Ion Ratio Lower Upper
63 100
112 1.5 3.1 4.7#



#38
Bromodichloromethane
Concen: 10.040 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 83 Resp: 22557
Ion Ratio Lower Upper
83 100
85 69.9 44.9 83.3
127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 9.440 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

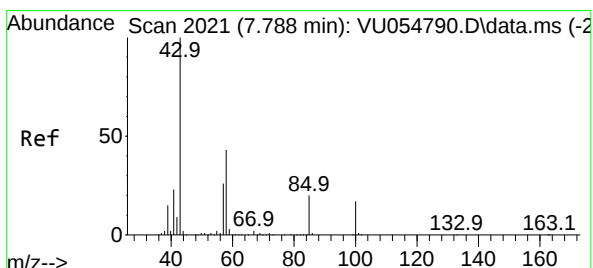
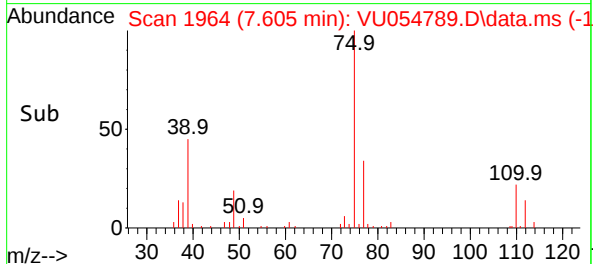
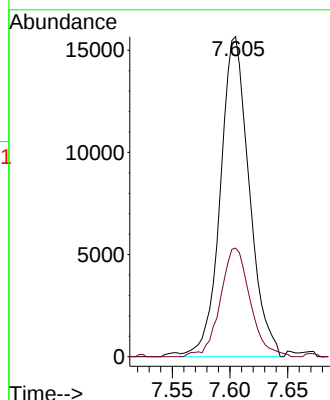
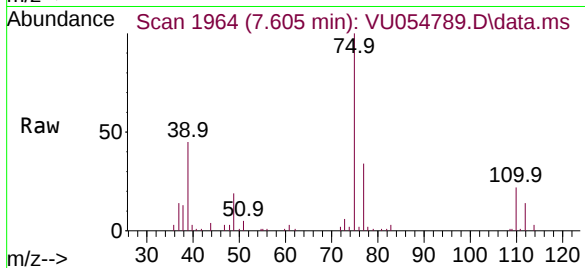
VSTD010030

Tgt Ion: 75 Resp: 27266

Ion Ratio Lower Upper

75 100

77 35.5 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 19.660 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

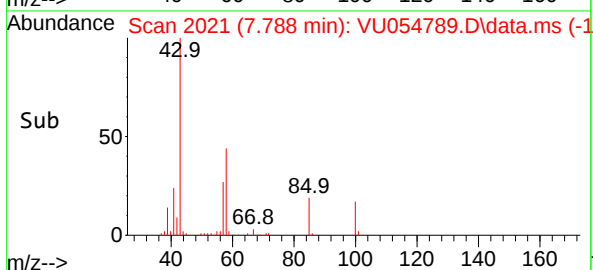
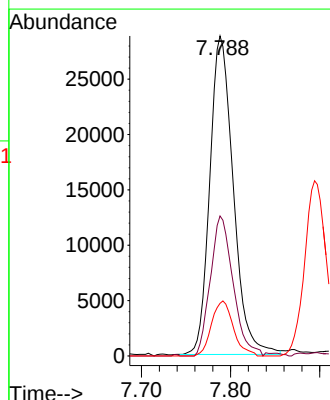
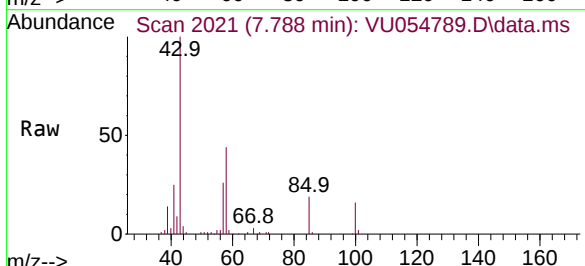
Tgt Ion: 43 Resp: 52718

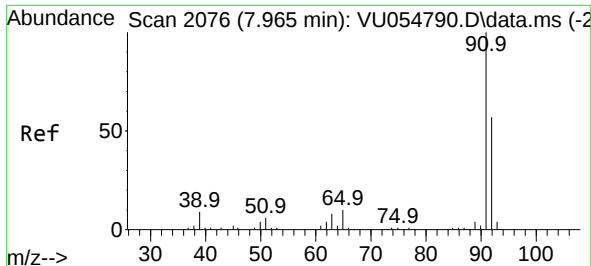
Ion Ratio Lower Upper

43 100

58 42.4 33.7 50.5

100 16.0 13.0 19.4





#42

Toluene

Concen: 9.893 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

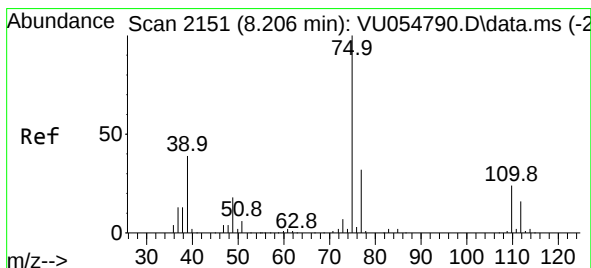
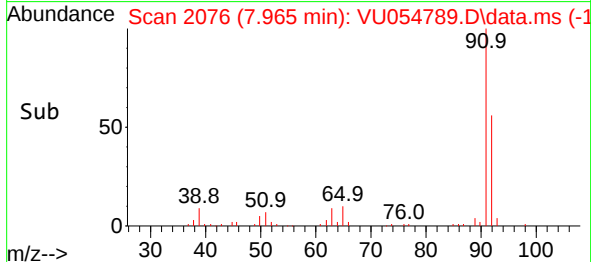
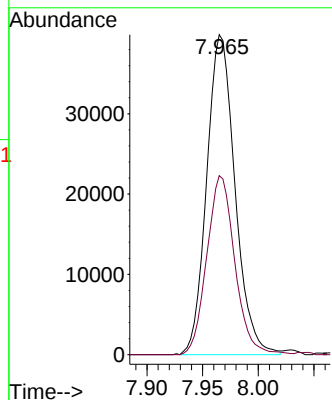
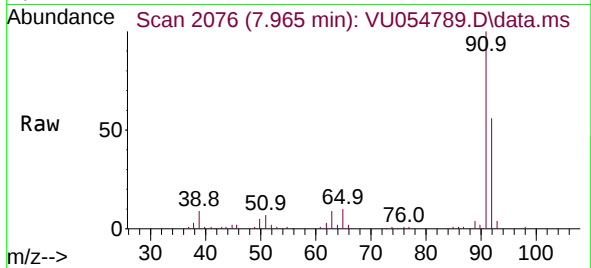
VSTD010030

Tgt Ion: 91 Resp: 70487

Ion Ratio Lower Upper

91 100

92 55.9 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 9.654 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054789.D

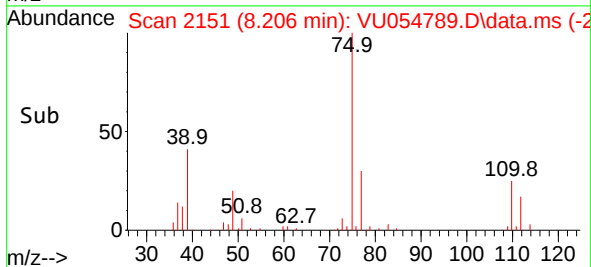
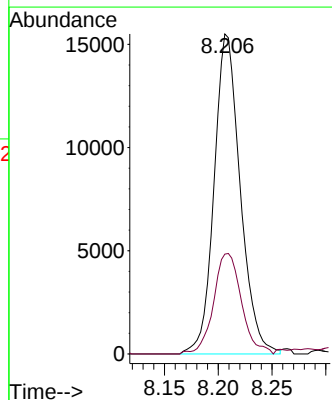
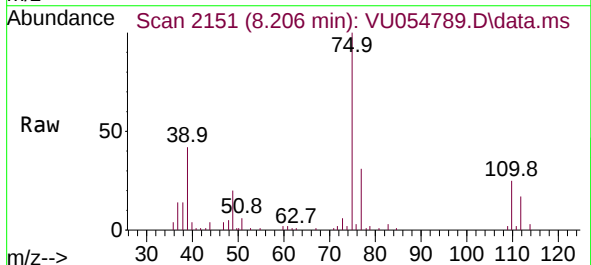
Acq: 17 Jul 2023 10:14

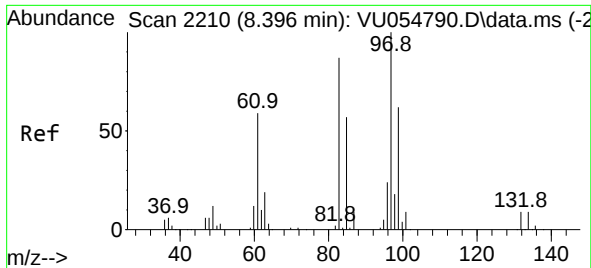
Tgt Ion: 75 Resp: 26196

Ion Ratio Lower Upper

75 100

77 30.3 22.7 42.1

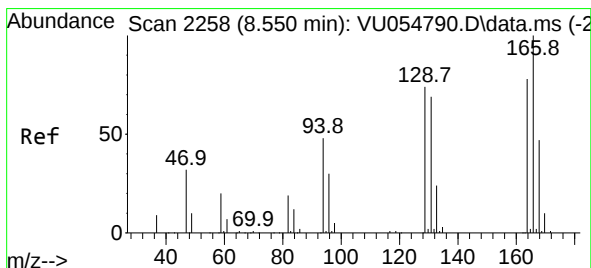
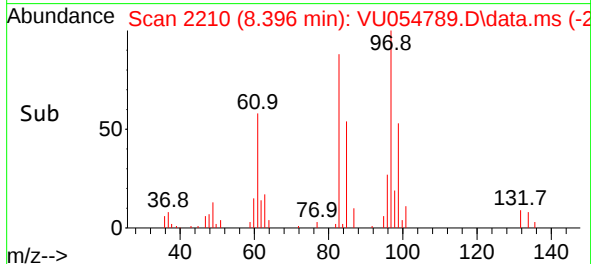
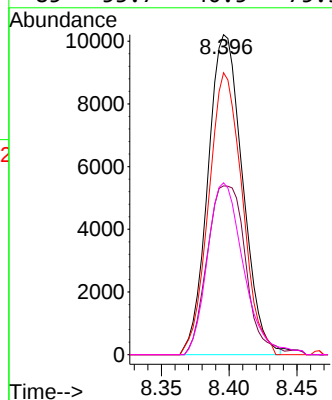
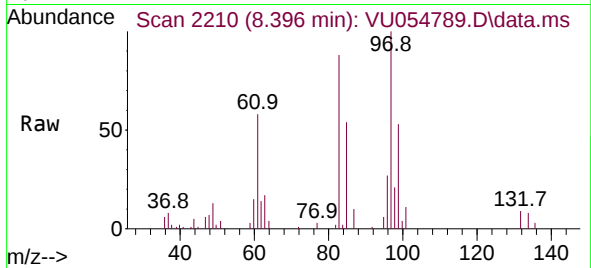




#45
1,1,2-Trichloroethane
Concen: 10.179 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

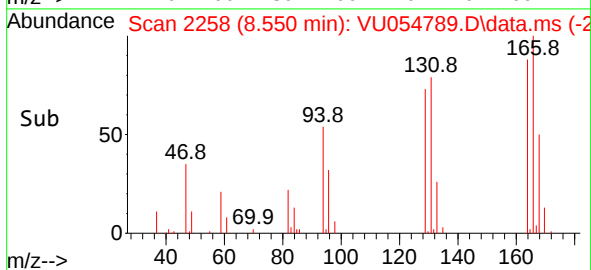
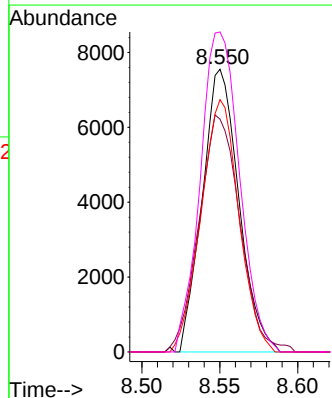
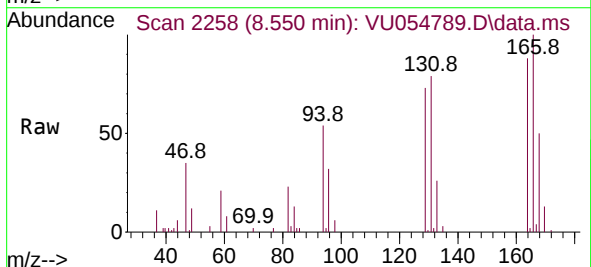
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

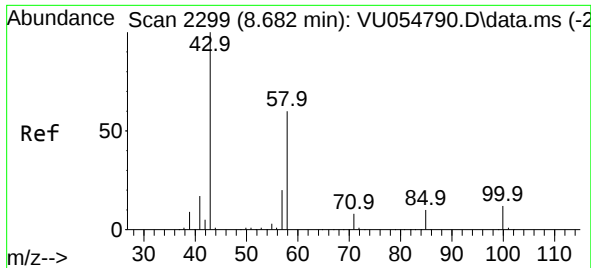
Tgt Ion:	97	Resp:	18174
Ion	Ratio	Lower	Upper
97	100		
99	52.7	43.3	80.5
83	88.1	60.6	112.6
85	53.7	40.5	75.3



#46
Tetrachloroethene
Concen: 9.934 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion:	164	Resp:	12344
Ion	Ratio	Lower	Upper
164	100		
129	81.8	66.2	123.0
131	88.7	61.9	115.1
166	110.3	89.2	165.8

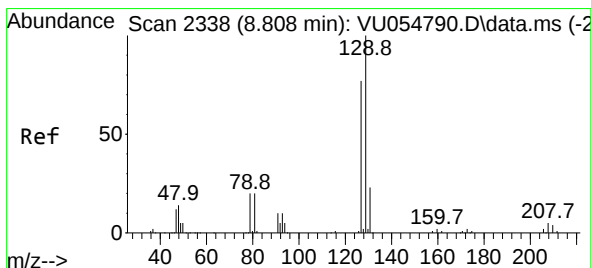
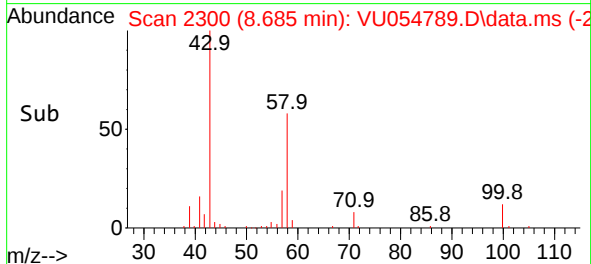
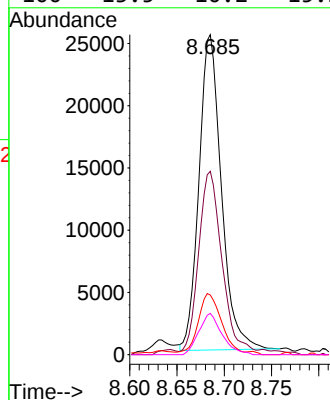
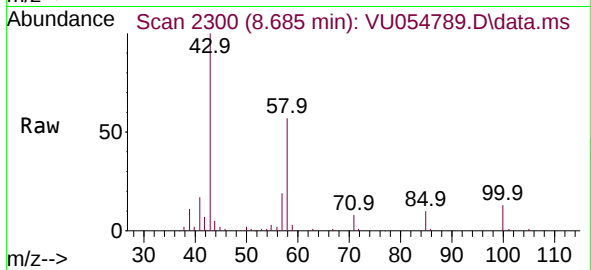




#48
2-Hexanone
Concen: 19.324 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

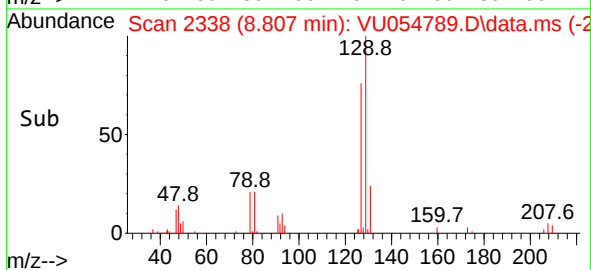
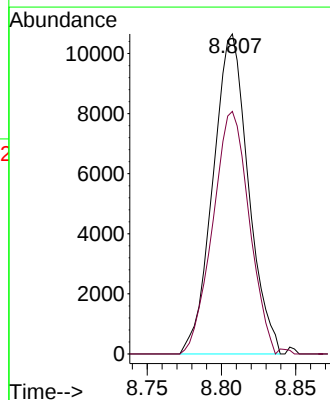
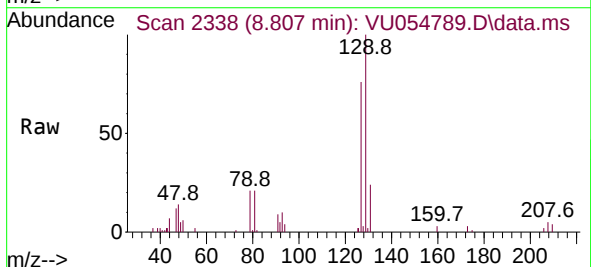
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

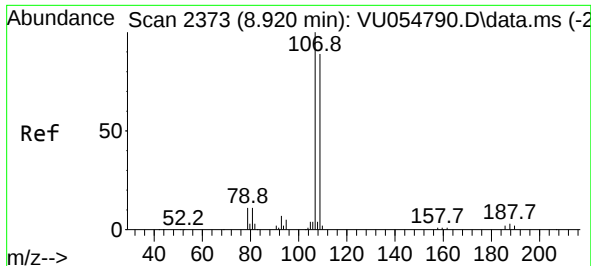
Tgt Ion:	43	Resp:	41879
Ion	Ratio	Lower	Upper
43	100		
58	59.0	46.5	69.7
57	20.3	15.4	23.2
100	13.5	10.2	15.2



#49
Dibromochloromethane
Concen: 9.609 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion:	129	Resp:	17671
Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.4	101.0

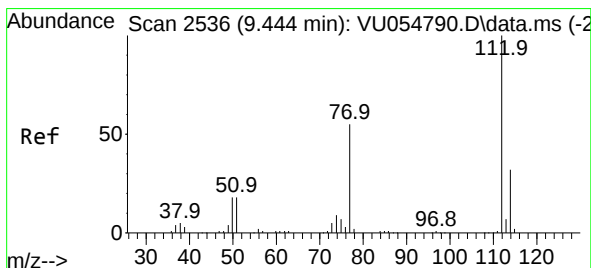
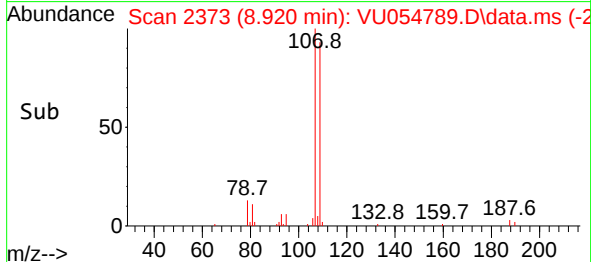
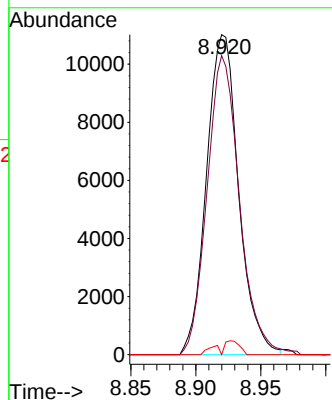
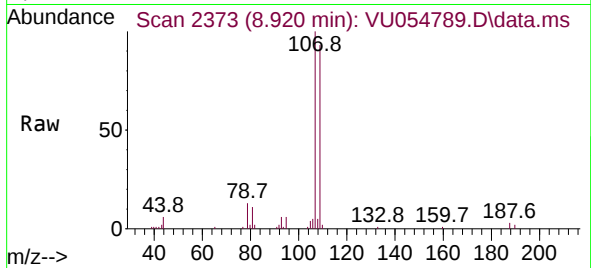




#50
1,2-Dibromoethane
Concen: 9.856 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

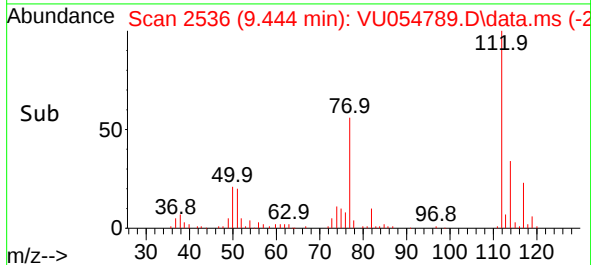
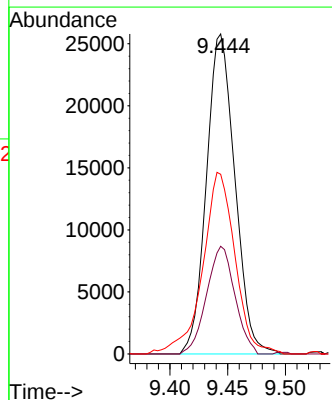
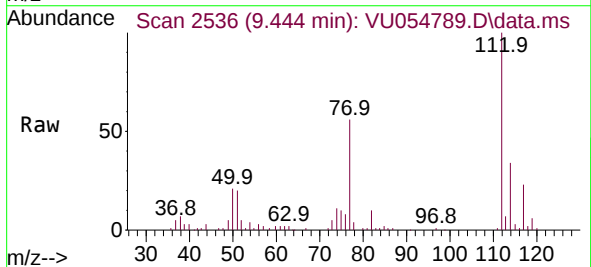
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

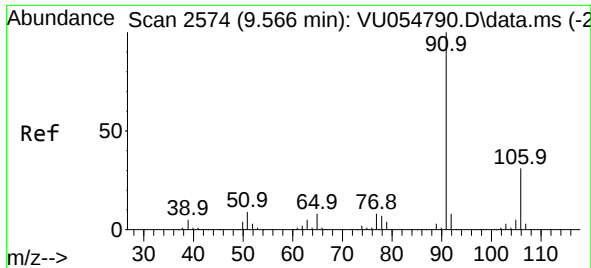
Tgt Ion:107 Resp: 18941
Ion Ratio Lower Upper
107 100
109 93.4 62.5 116.1
188 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 9.542 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion:112 Resp: 44230
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.5
77 56.7 44.2 66.4

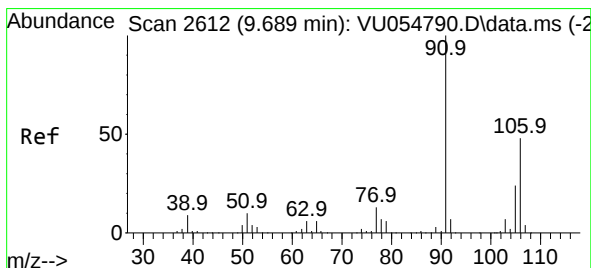
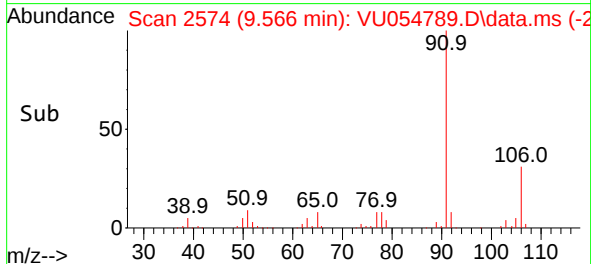
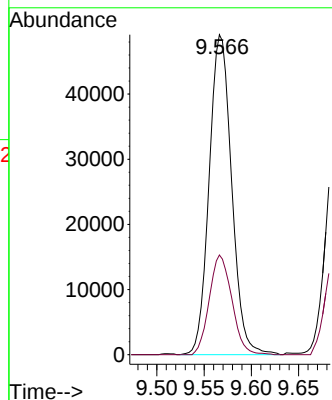
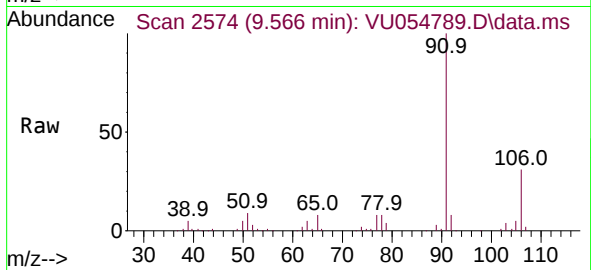




#52
Ethylbenzene
Concen: 9.864 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

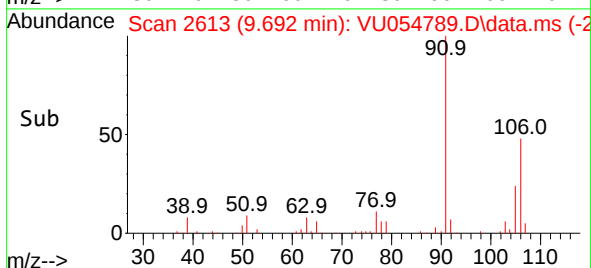
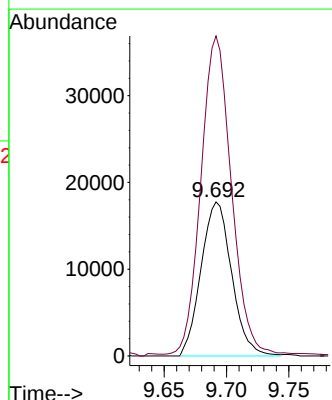
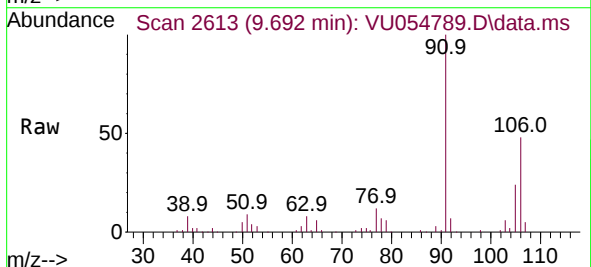
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

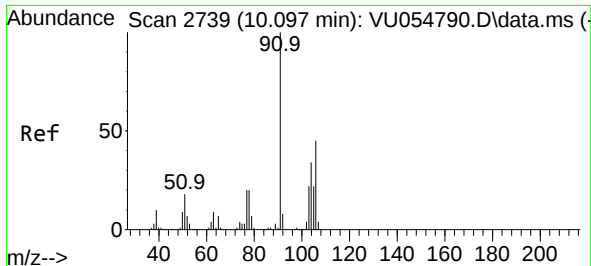
Tgt Ion: 91 Resp: 81258
Ion Ratio Lower Upper
91 100
106 33.5 23.5 43.7



#53
m,p-Xylene
Concen: 9.673 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion:106 Resp: 30337
Ion Ratio Lower Upper
106 100
91 187.8 133.3 247.7

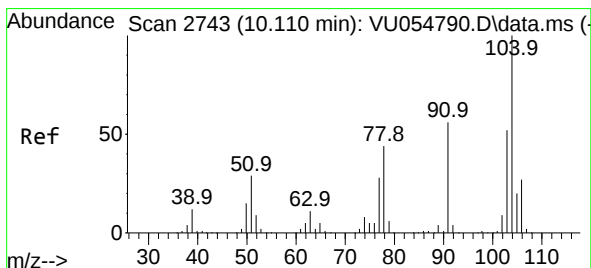
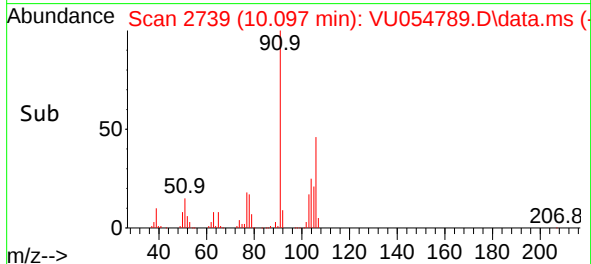
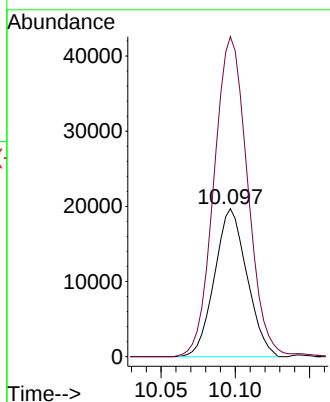
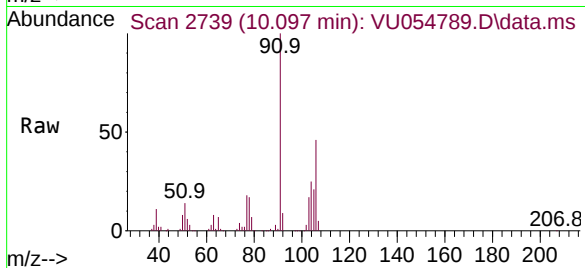




#54
o-Xylene
Concen: 9.391 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

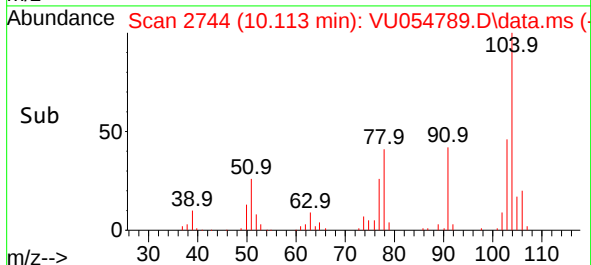
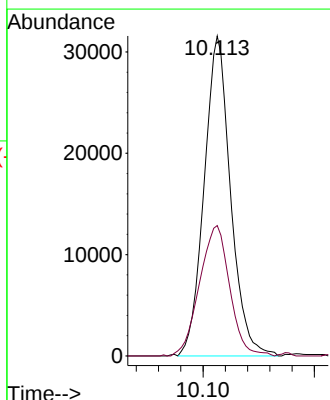
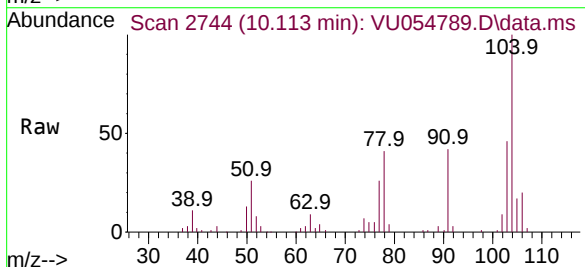
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

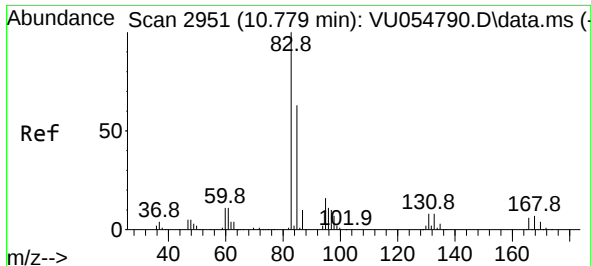
Tgt Ion:106 Resp: 29921
Ion Ratio Lower Upper
106 100
91 196.0 142.0 263.8



#55
Styrene
Concen: 9.365 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion:104 Resp: 51971
Ion Ratio Lower Upper
104 100
78 40.8 30.7 57.1





#57

1,1,2,2-Tetrachloroethane

Concen: 9.851 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

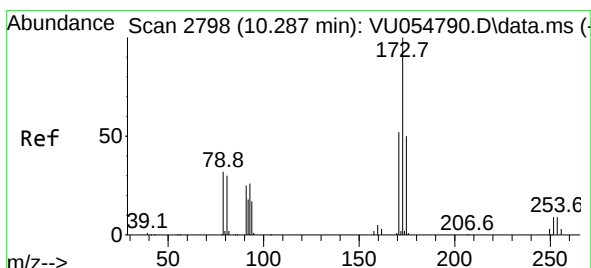
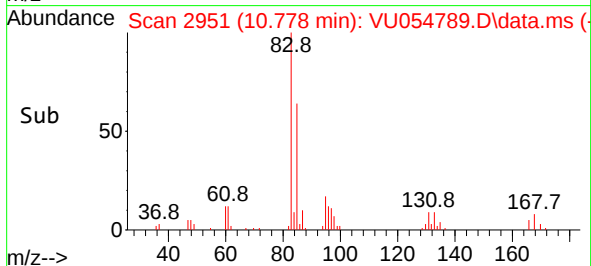
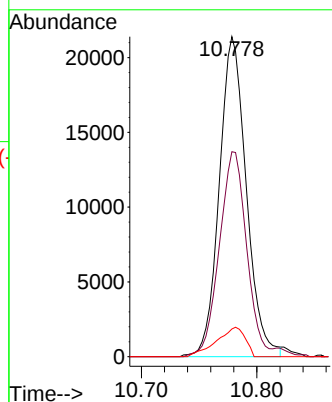
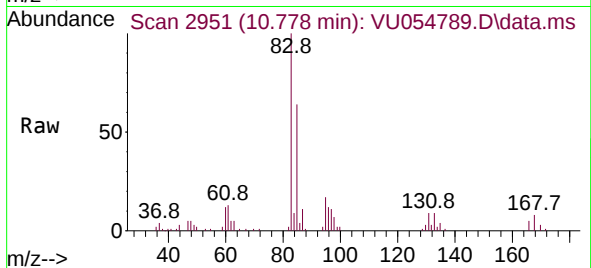
Tgt Ion: 83 Resp: 34724

Ion Ratio Lower Upper

83 100

85 64.0 43.8 81.4

131 11.6 8.7 13.1



#59

Bromoform

Concen: 9.828 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

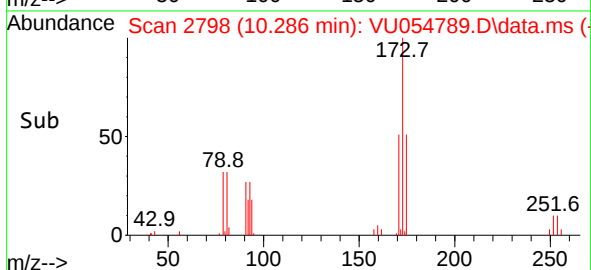
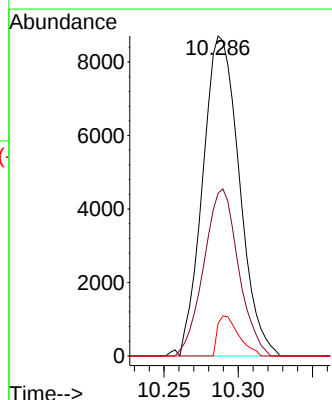
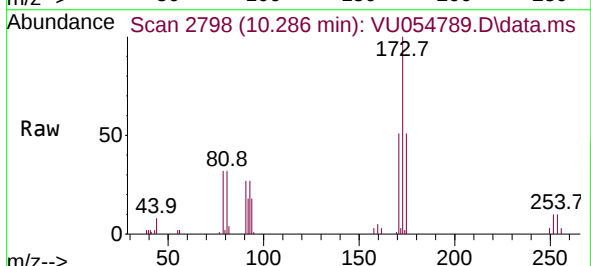
Tgt Ion:173 Resp: 14899

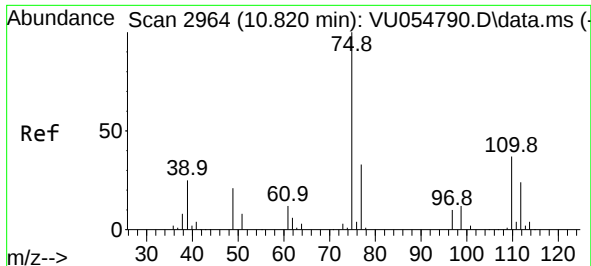
Ion Ratio Lower Upper

173 100

175 49.5 38.8 58.2

254 7.3 2.4 3.6#

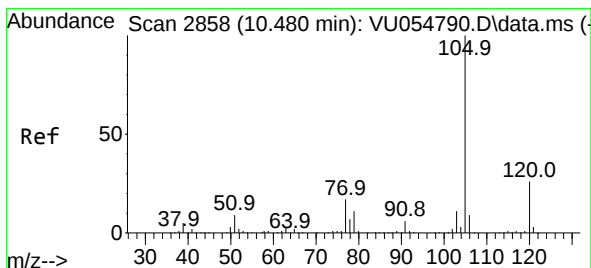
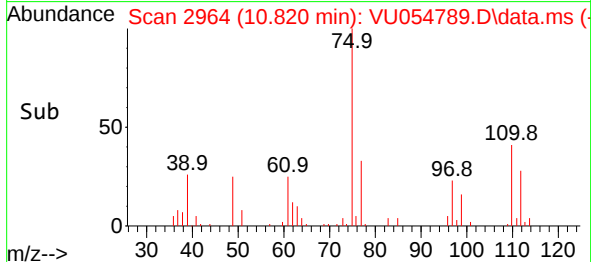
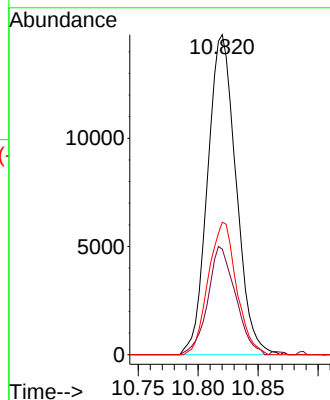
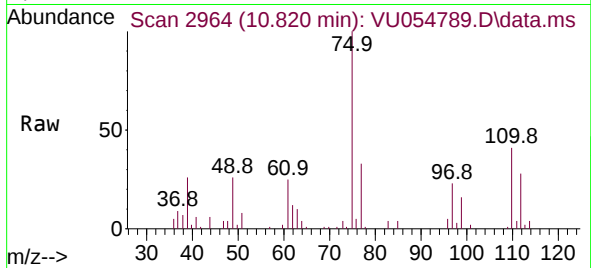




#60
1,2,3-Trichloropropane
Concen: 10.305 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

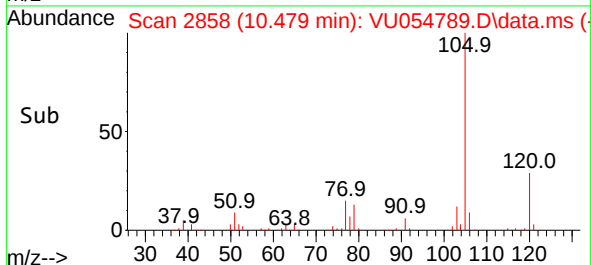
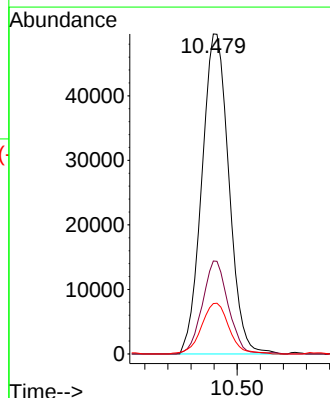
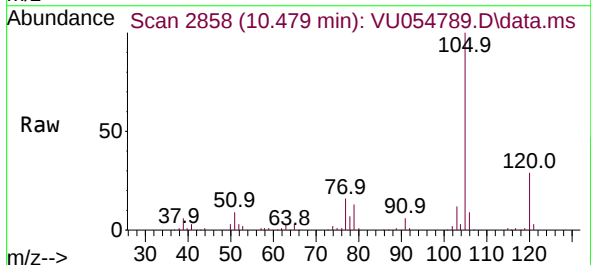
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

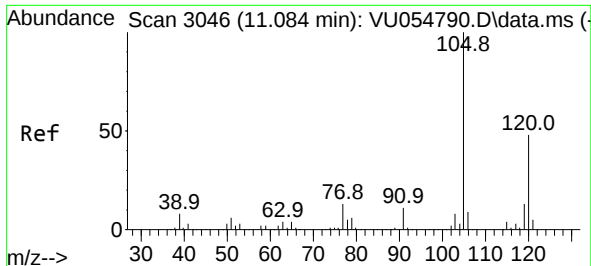
Tgt Ion: 75 Resp: 24369
Ion Ratio Lower Upper
75 100
77 32.9 26.2 39.4
110 40.9 29.9 44.9



#61
Isopropylbenzene
Concen: 10.041 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion: 105 Resp: 80408
Ion Ratio Lower Upper
105 100
120 27.7 21.4 32.0
77 16.2 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 9.689 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

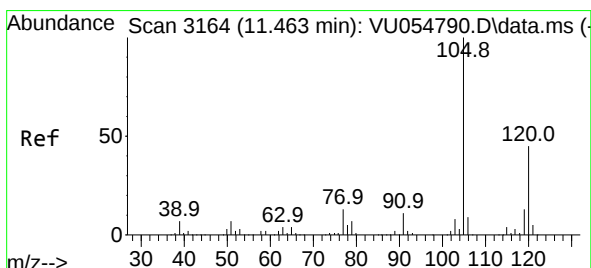
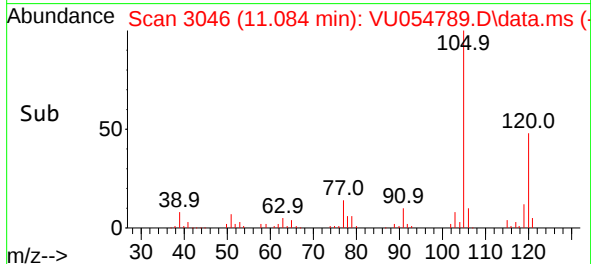
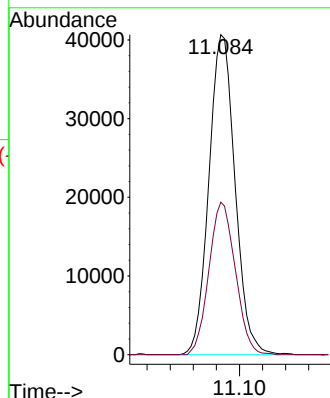
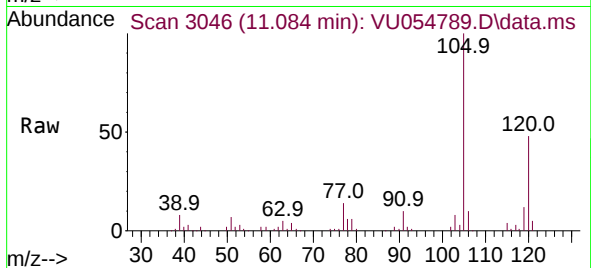
VSTD010030

Tgt Ion:105 Resp: 63899

Ion Ratio Lower Upper

105 100

120 48.1 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 9.804 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054789.D

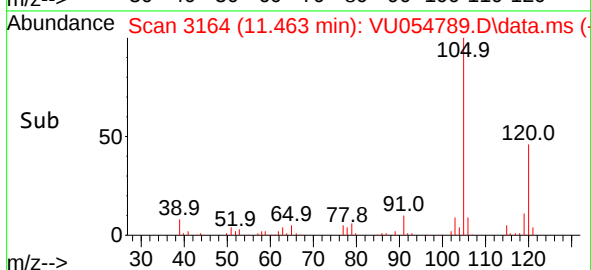
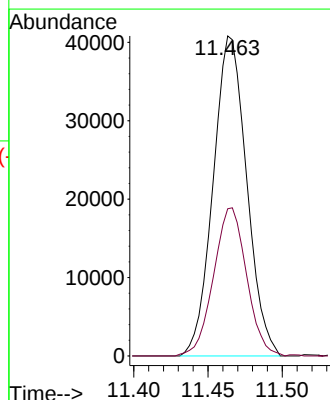
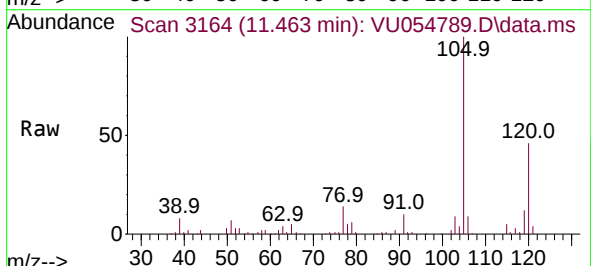
Acq: 17 Jul 2023 10:14

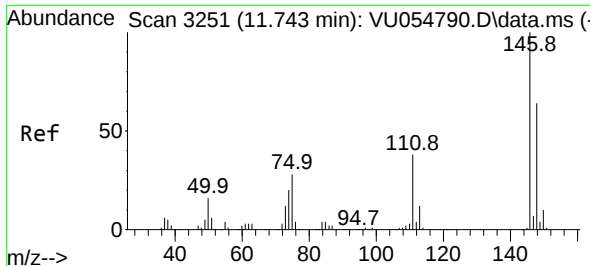
Tgt Ion:105 Resp: 64090

Ion Ratio Lower Upper

105 100

120 45.6 36.2 54.2

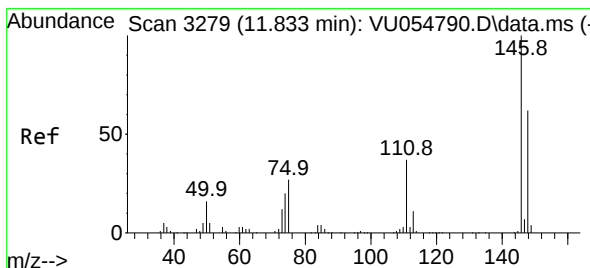
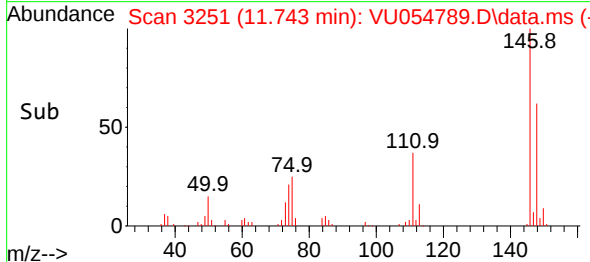
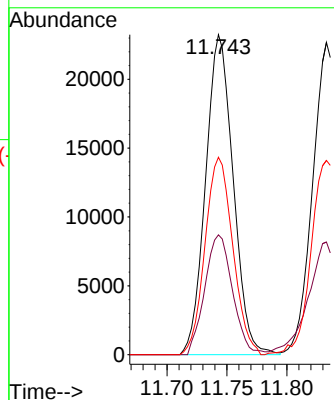
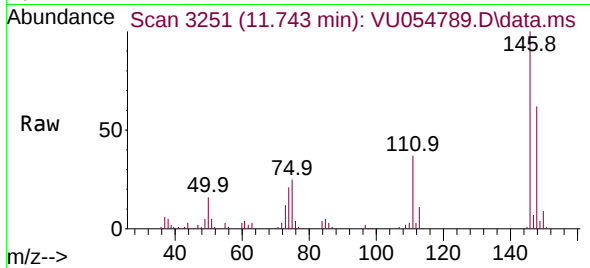




#64
1,3-Dichlorobenzene
Concen: 10.012 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

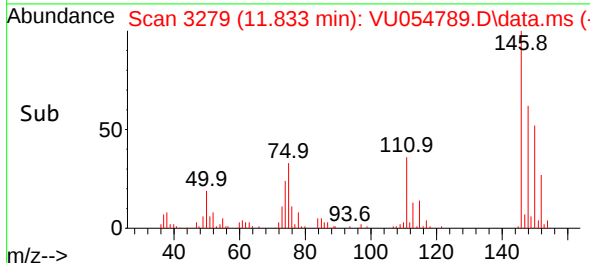
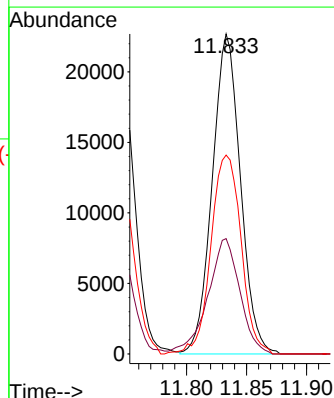
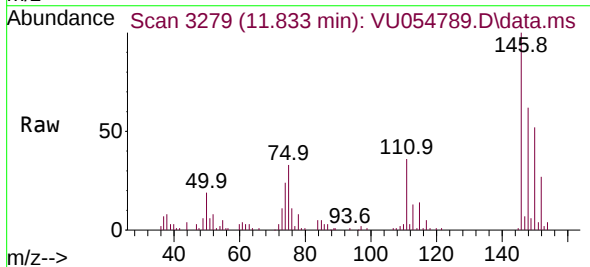
Instrument :
MSVOA_U
ClientSampleId :
VSTD010030

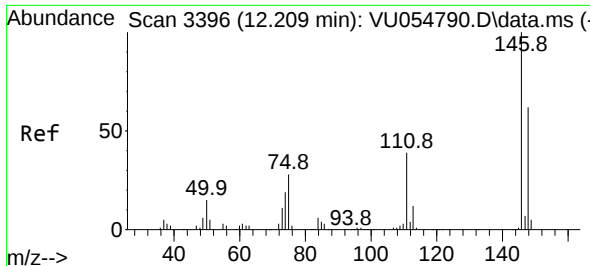
Tgt Ion:146 Resp: 37182
Ion Ratio Lower Upper
146 100
111 38.1 25.2 46.8
148 61.5 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 9.902 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054789.D
Acq: 17 Jul 2023 10:14

Tgt Ion:146 Resp: 37041
Ion Ratio Lower Upper
146 100
111 39.1 24.1 44.8
148 68.7 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 9.970 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU054789.D

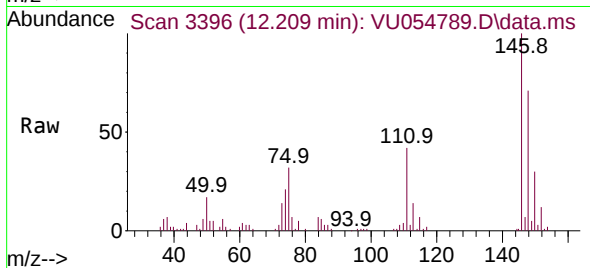
Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030



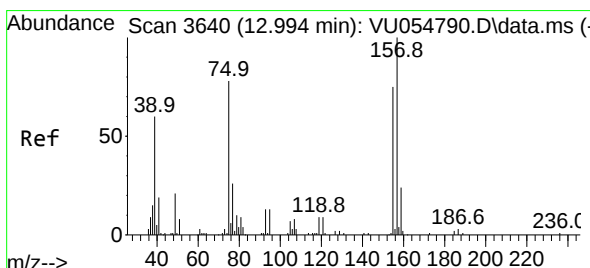
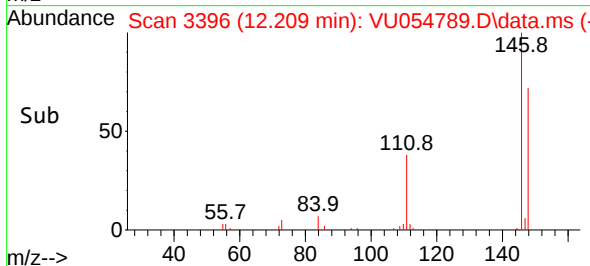
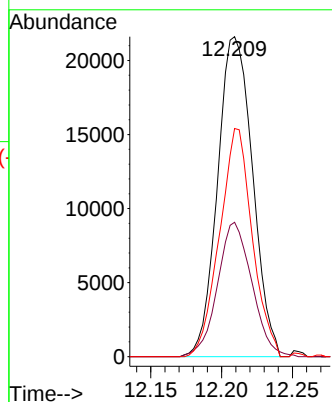
Tgt Ion:146 Resp: 37196

Ion Ratio Lower Upper

146 100

111 42.0 31.5 47.3

148 71.3 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 10.814 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

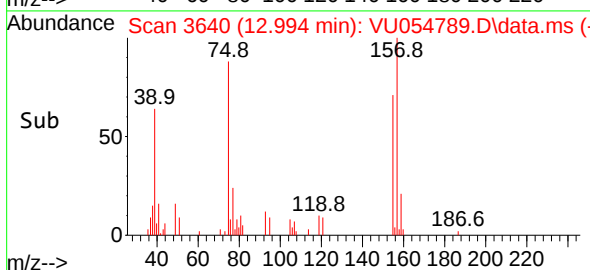
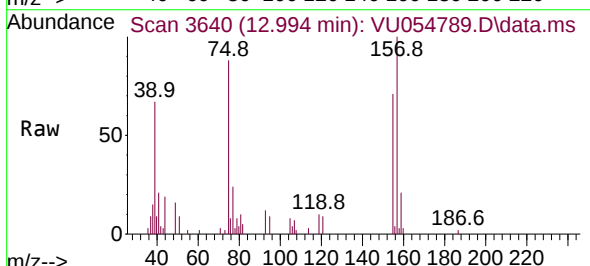
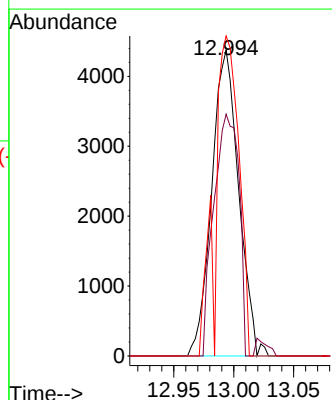
Tgt Ion: 75 Resp: 6835

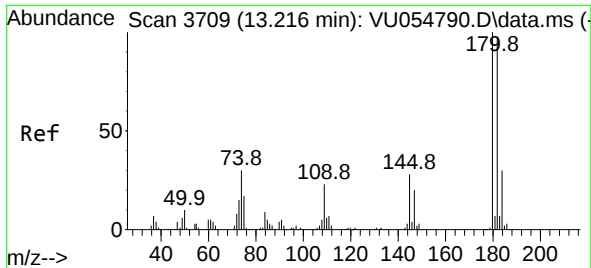
Ion Ratio Lower Upper

75 100

155 79.0 80.6 121.0#

157 107.8 106.5 159.7

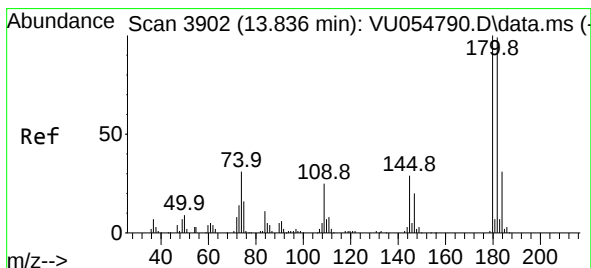
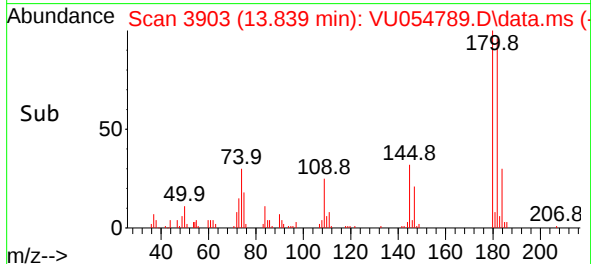
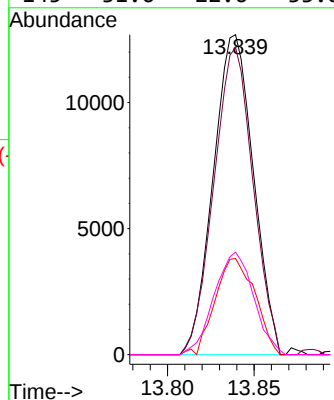
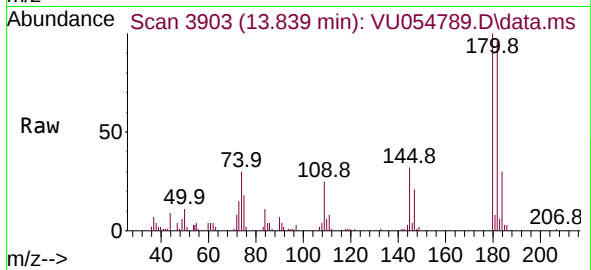




#69
 1,3,5-Trichlorobenzene
 Concen: 8.192 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.624 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

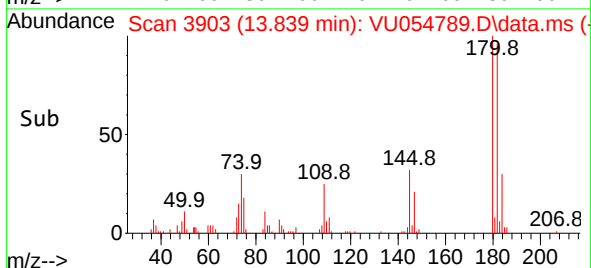
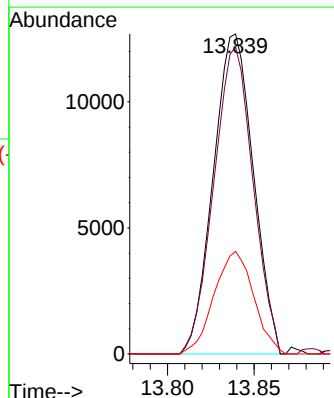
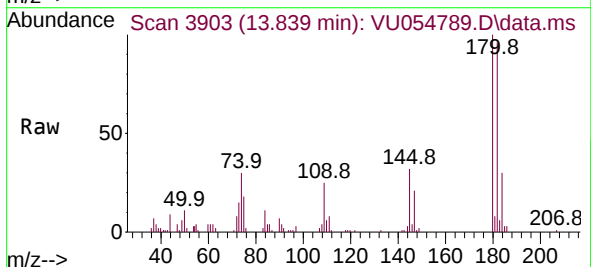
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010030

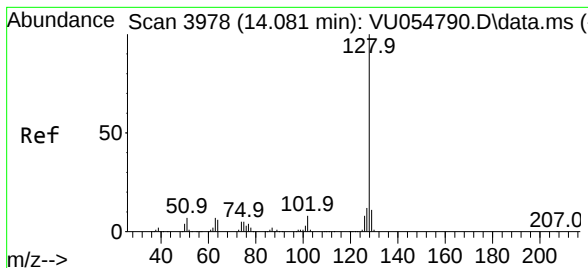
Tgt Ion:180	Resp:	20394
Ion Ratio	Lower	Upper
180	100	
182	94.0	76.7 115.1
184	29.6	23.4 35.0
145	31.6	22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 9.489 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.003 min
 Lab File: VU054789.D
 Acq: 17 Jul 2023 10:14

Tgt Ion:180	Resp:	20394
Ion Ratio	Lower	Upper
180	100	
182	94.0	76.8 115.2
145	31.6	23.0 34.6





#71

Naphthalene

Concen: 9.249 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD010030

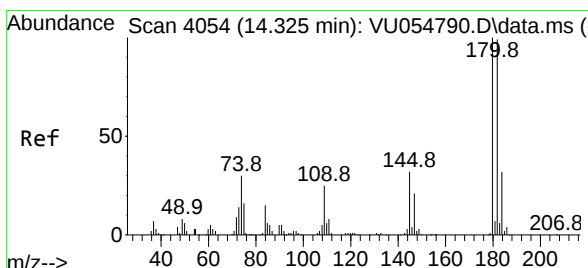
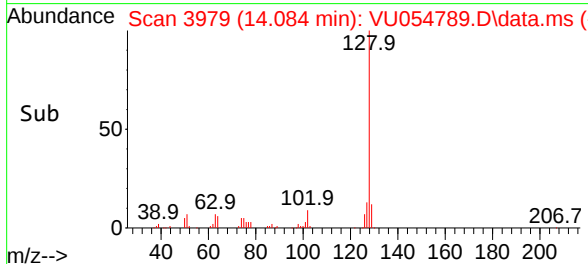
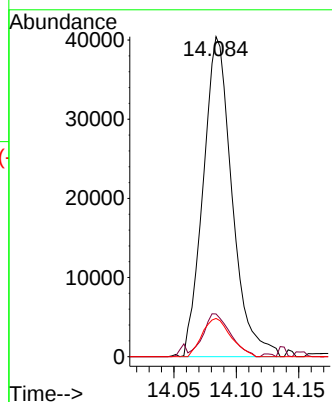
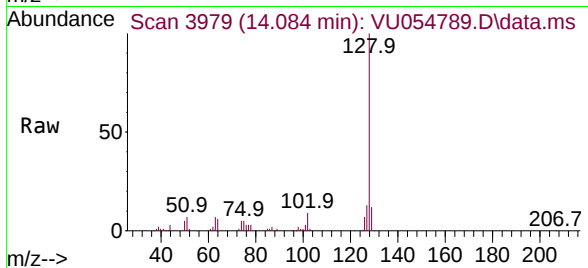
Tgt Ion:128 Resp: 65248

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 11.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 8.818 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054789.D

Acq: 17 Jul 2023 10:14

Tgt Ion:180 Resp: 18456

Ion Ratio Lower Upper

180 100

182 98.7 76.6 115.0

145 38.3 25.4 38.2#

