

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063023\
 Data File : VU054735.D
 Acq On : 30 Jun 2023 20:24
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005085

Quant Time: Jul 03 06:48:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jul 03 06:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	280455	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	270388	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	139098	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	75588	4.235	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.600%
7) Chloroethane-d5	1.907	69	68848	4.120	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.563	65	30535	3.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.624	46	267424	53.290	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.580%
24) Chloroform-d	5.058	84	161861	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.698	65	82480	4.535	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.724	84	292898	3.897	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.000%
36) 1,2-Dichloropropane-d6	6.685	67	102152	4.070	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.894	98	267876	4.016	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	8.177	79	39078	4.477	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.631	63	184055	50.259	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86750	4.634	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	100046	4.264	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	93857	3.582	ug/L	100
3) Chloromethane	1.518	50	120105	3.990	ug/L	100
5) Vinyl chloride	1.602	62	130498	4.223	ug/L	100
6) Bromomethane	1.853	94	67094	3.950	ug/L	99
8) Chloroethane	1.930	64	83000	4.481	ug/L	100
9) Trichlorofluoromethane	2.132	101	175805	4.628	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	103419	4.654	ug/L	97
12) 1,1-Dichloroethene	2.573	96	87647	4.309	ug/L	89
13) Acetone	2.634	43	189134	39.973	ug/L	99
14) Carbon disulfide	2.788	76	212446	3.522	ug/L	99
15) Methyl Acetate	2.949	43	54111	6.171	ug/L	99
16) Methylene chloride	3.039	84	115807	4.049	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	258590	5.150	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	88564	4.217	ug/L	97
19) 1,1-Dichloroethane	3.865	63	211505	4.866	ug/L	98
21) 2-Butanone	4.705	43	321426	52.344	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	112884	4.720	ug/L	99
23) Bromochloromethane	4.968	128	50195	5.044	ug/L	98
25) Chloroform	5.084	83	213512	4.983	ug/L	98

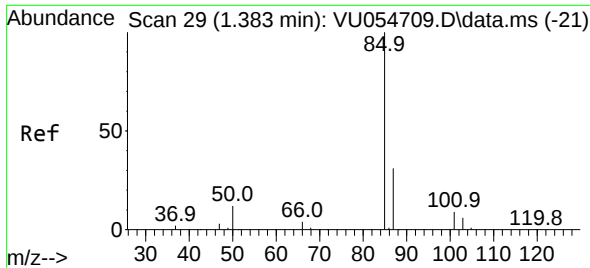
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	131521	5.236	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	176945	4.826	ug/L	100
30) Cyclohexane	5.383	56	152699	3.824	ug/L	99
31) Carbon tetrachloride	5.518	117	149741	4.740	ug/L	98
33) Benzene	5.769	78	439060	4.518	ug/L	100
34) Trichloroethene	6.537	95	112023	4.359	ug/L	97
35) Methylcyclohexane	6.759	83	146533	3.773	ug/L	99
37) 1,2-Dichloropropane	6.785	63	125664	4.783	ug/L	100
38) Bromodichloromethane	7.100	83	154593	5.198	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	164773	4.593	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	791359	56.439	ug/L	98
42) Toluene	7.965	91	464865	4.645	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	141388	4.857	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	90599	5.420	ug/L	99
47) Tetrachloroethene	8.550	164	87109	4.429	ug/L	98
48) 2-Hexanone	8.682	43	570889	54.643	ug/L	99
49) Dibromochloromethane	8.804	129	95374	5.434	ug/L	99
50) 1,2-Dibromoethane	8.920	107	79325	5.169	ug/L	97
51) Chlorobenzene	9.444	112	289101	4.634	ug/L	98
52) Ethylbenzene	9.566	91	493111	4.512	ug/L	98
53) m,p-Xylene	9.692	106	185169	4.612	ug/L	100
54) o-Xylene	10.097	106	185721	4.783	ug/L	99
55) Styrene	10.113	104	320681	4.921	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	114080	5.373	ug/L	98
59) Bromoform	10.286	173	59003	5.909	ug/L	100
60) Isopropylbenzene	10.479	105	492645	4.841	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	77973	5.547	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	387846	4.672	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	402111	4.769	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	235401	4.949	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	232474	4.870	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	221839	5.071	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	18109	5.862	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	170994	4.765	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	140427	4.732	ug/L	99
71) Naphthalene	14.084	128	234961	4.869	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	131196	5.146	ug/L	99

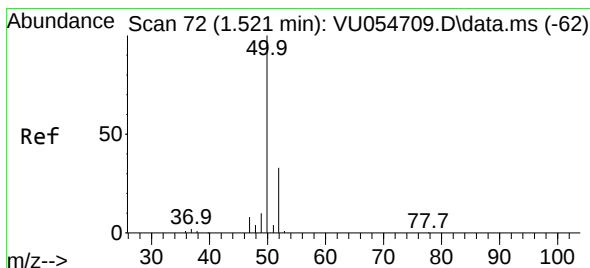
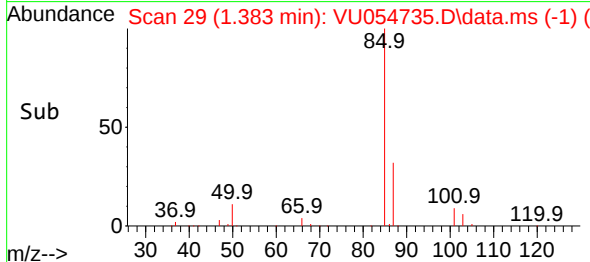
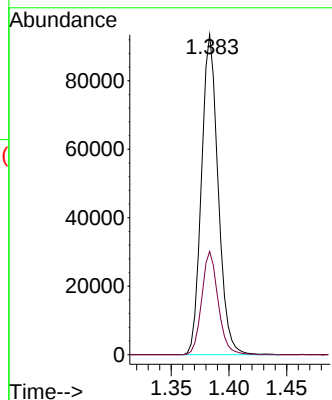
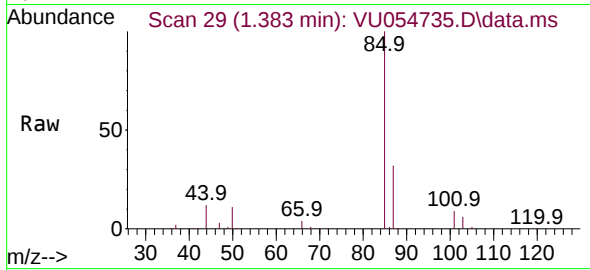
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#2
 Dichlorodifluoromethane
 Concen: 3.582 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

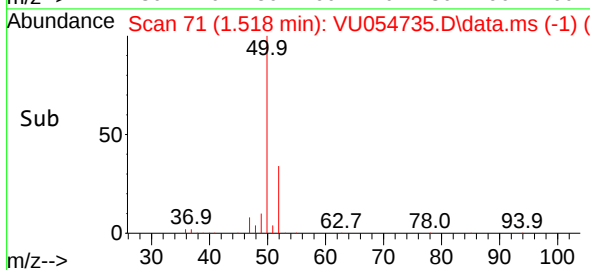
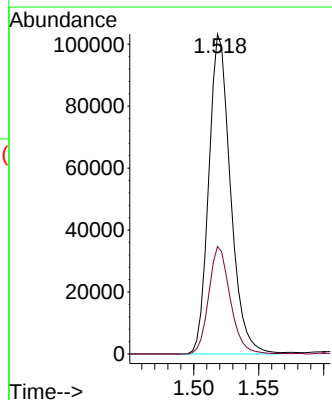
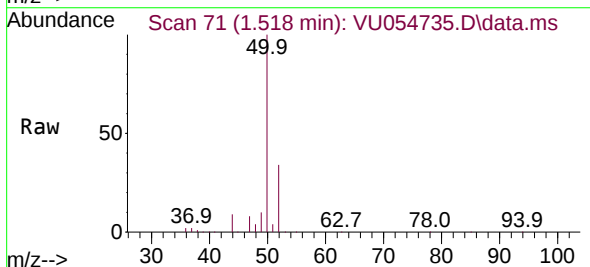
Instrument :
 MSVOA_U
 ClientSampleId :
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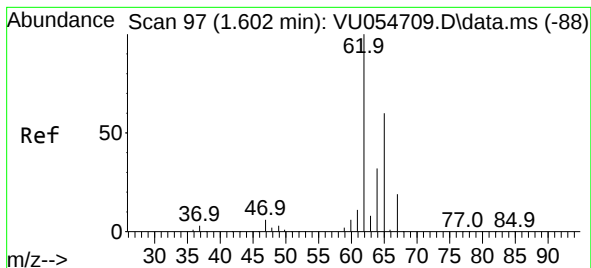
Tgt Ion: 85 Resp: 93857
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.4 38.2



#3
 Chloromethane
 Concen: 3.990 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

Tgt Ion: 50 Resp: 120105
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.4 43.4





#5

Vinyl chloride

Concen: 4.223 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

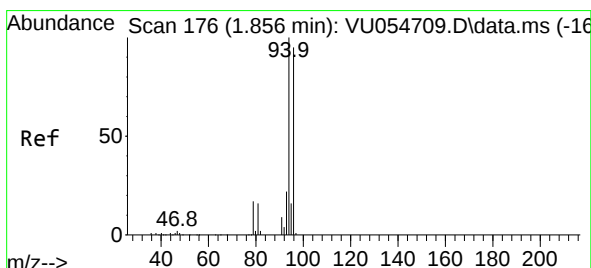
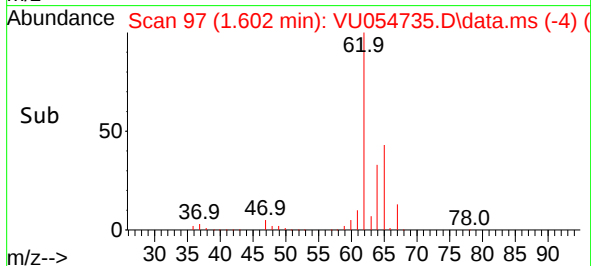
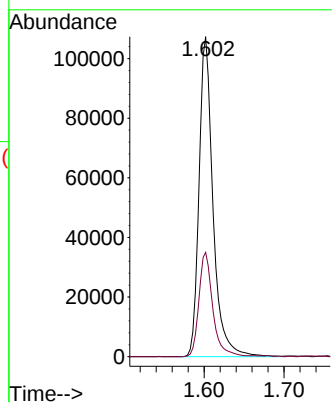
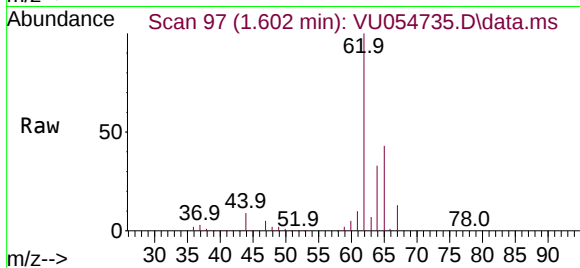
VSTD005085

Tgt Ion: 62 Resp: 130498

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.6



#6

Bromomethane

Concen: 3.950 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU054735.D

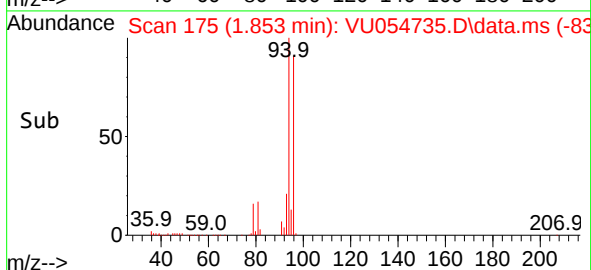
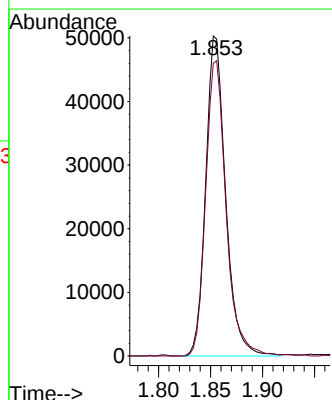
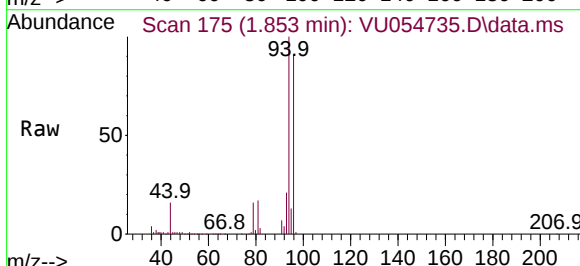
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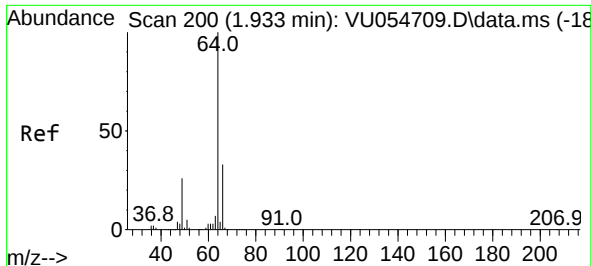
Tgt Ion: 94 Resp: 67094

Ion Ratio Lower Upper

94 100

96 91.5 63.6 118.2

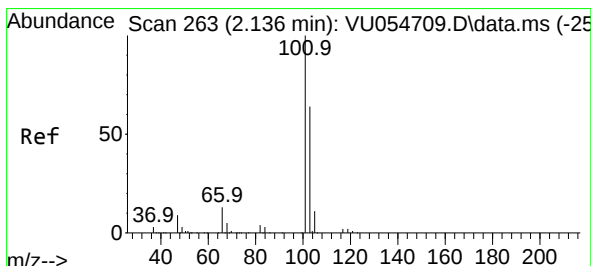
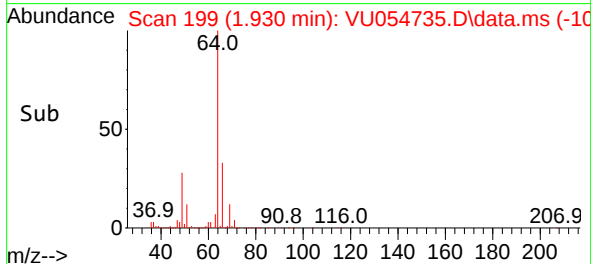
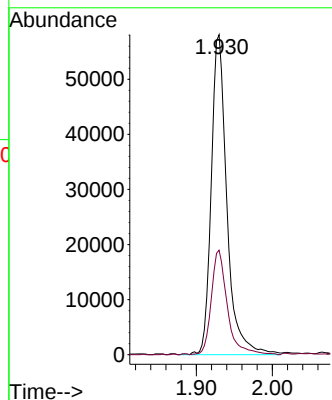
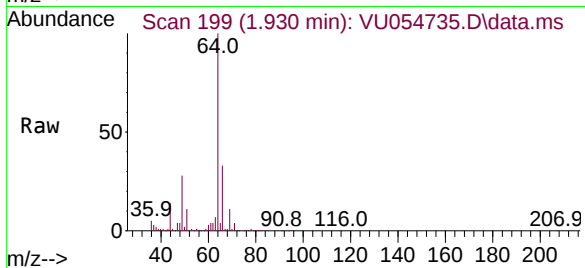




#8
Chloroethane
Concen: 4.481 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

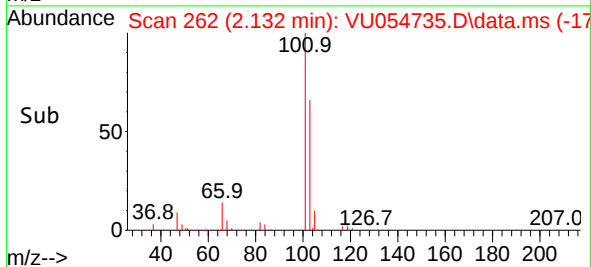
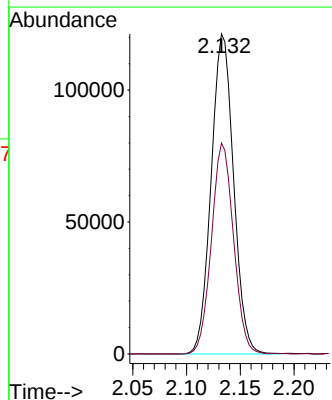
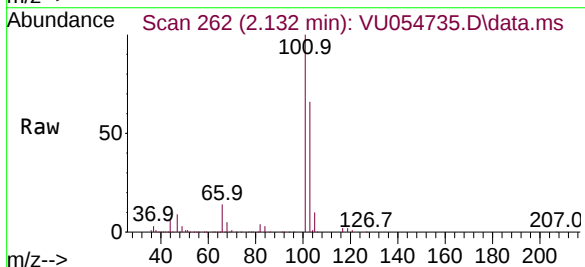
Instrument :
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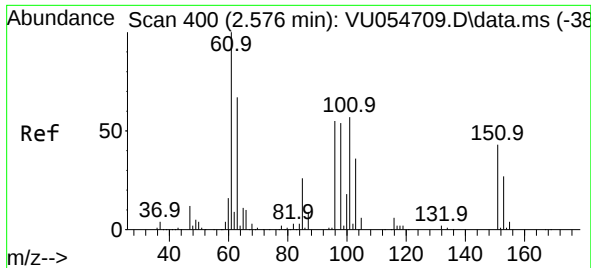
Tgt Ion: 64 Resp: 83000
Ion Ratio Lower Upper
64 100
66 32.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.628 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 101 Resp: 175805
Ion Ratio Lower Upper
101 100
103 64.8 50.6 75.8

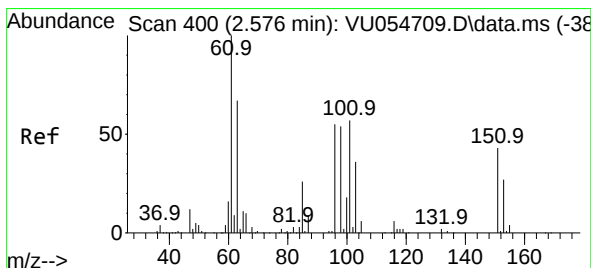
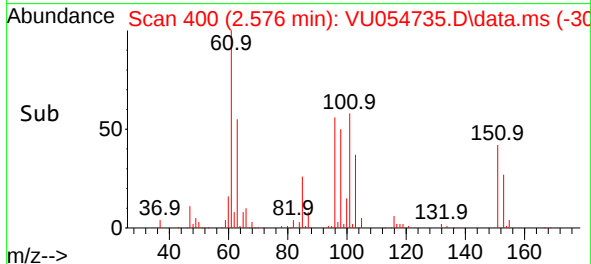
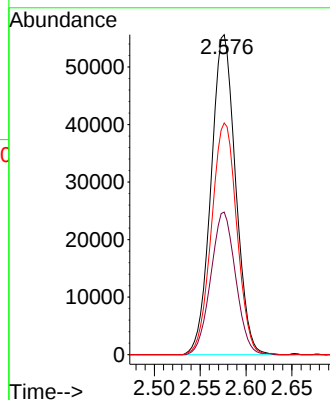
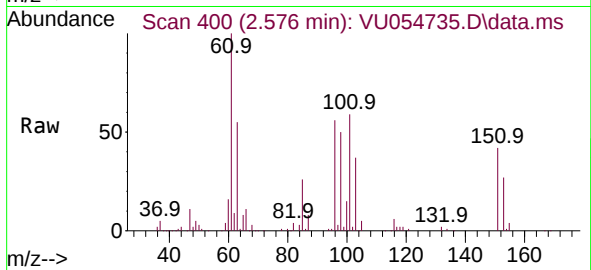




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.654 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

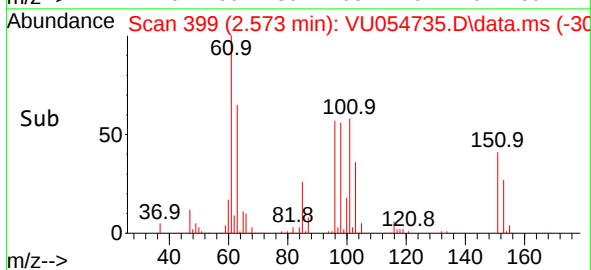
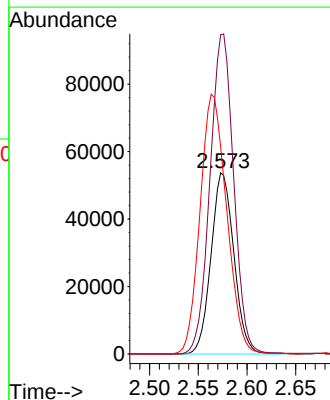
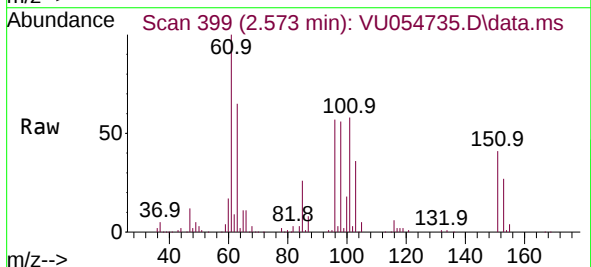
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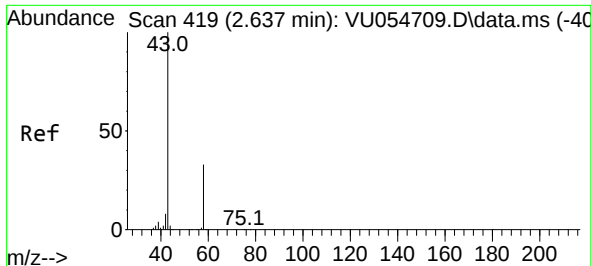
Tgt Ion:101 Resp: 103419
Ion Ratio Lower Upper
101 100
85 45.1 34.6 51.8
151 74.9 57.7 86.5



#12
1,1-Dichloroethene
Concen: 4.309 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 96 Resp: 87647
Ion Ratio Lower Upper
96 100
61 176.3 119.9 222.7
63 114.0 64.3 119.3





#13

Acetone

Concen: 39.973 ug/L

RT: 2.634 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

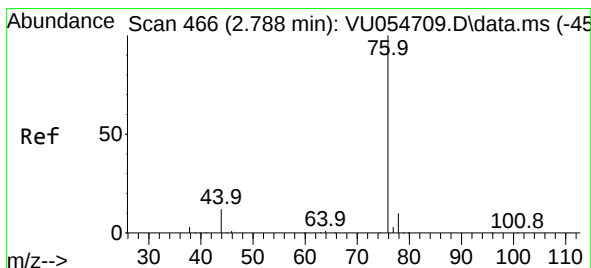
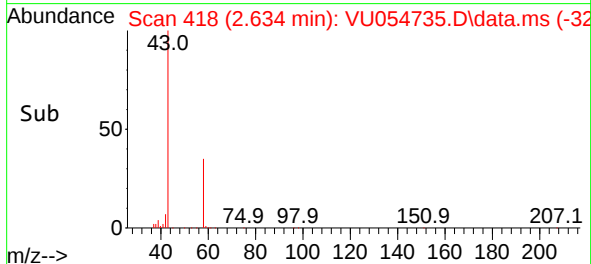
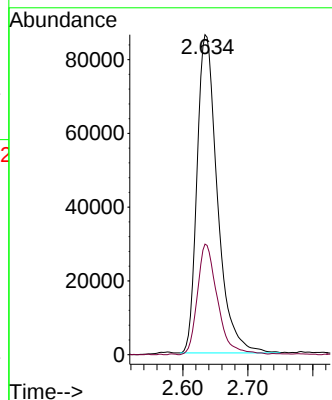
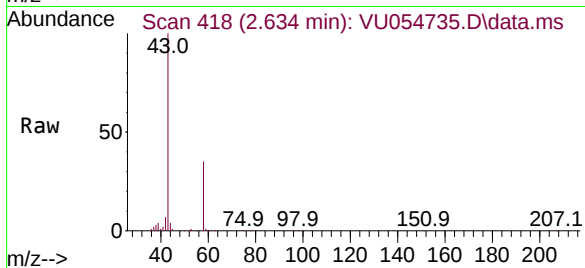
VSTD005085

Tgt Ion: 43 Resp: 189134

Ion Ratio Lower Upper

43 100

58 34.2 0.0 67.2



#14

Carbon disulfide

Concen: 3.522 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054735.D

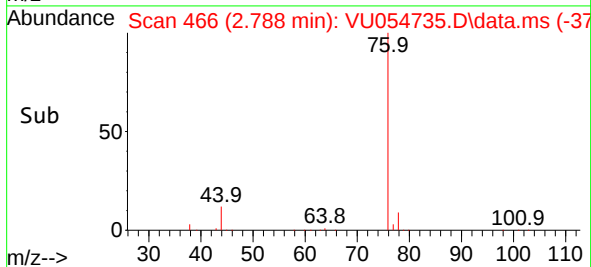
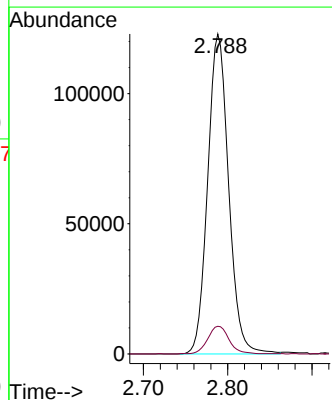
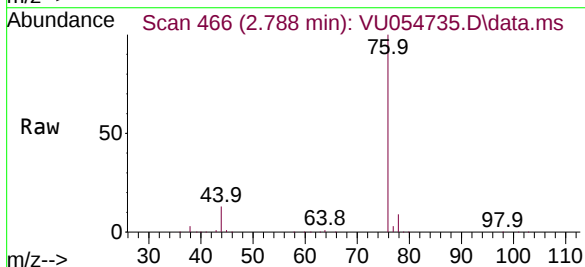
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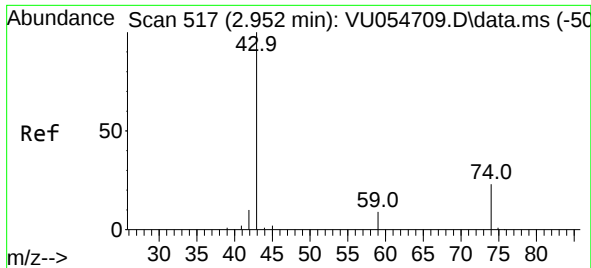
Tgt Ion: 76 Resp: 212446

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

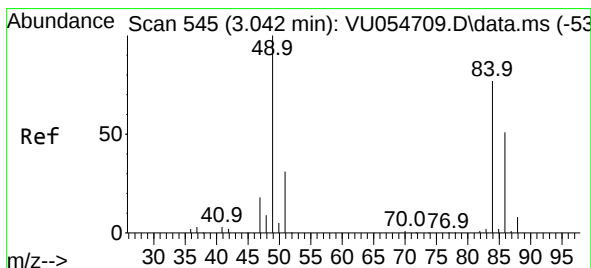
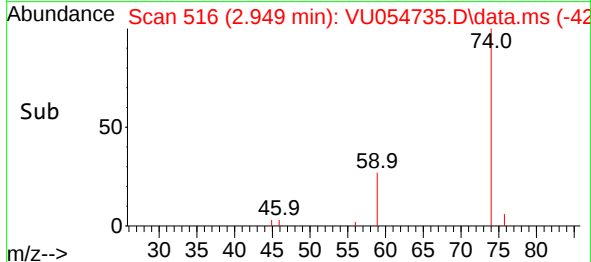
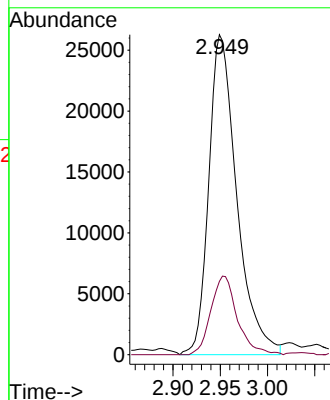
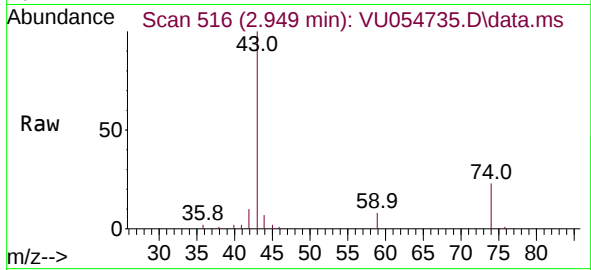




#15
Methyl Acetate
Concen: 6.171 ug/L
RT: 2.949 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

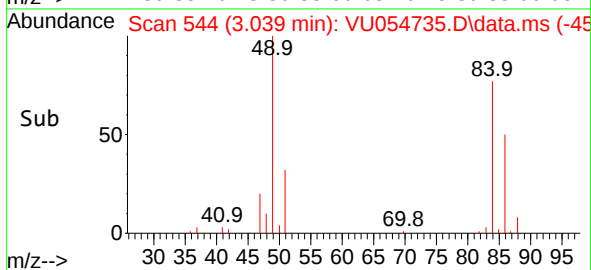
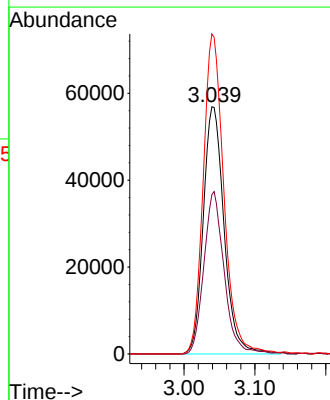
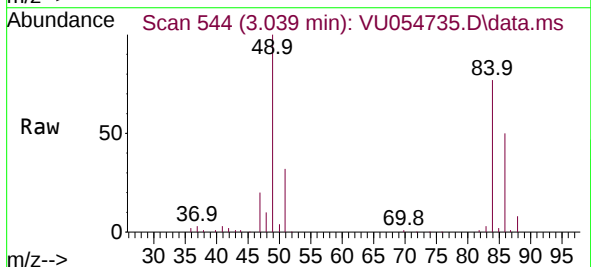
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

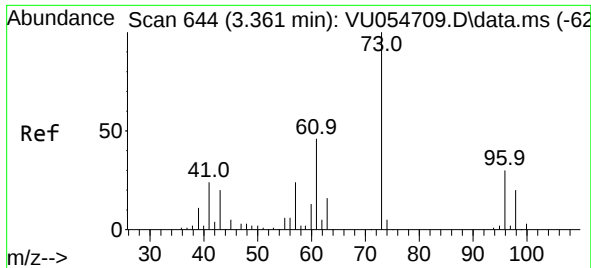
Tgt Ion: 43 Resp: 54111
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6



#16
Methylene chloride
Concen: 4.049 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 84 Resp: 115807
Ion Ratio Lower Upper
84 100
86 64.5 43.9 81.5
49 129.4 86.1 159.9

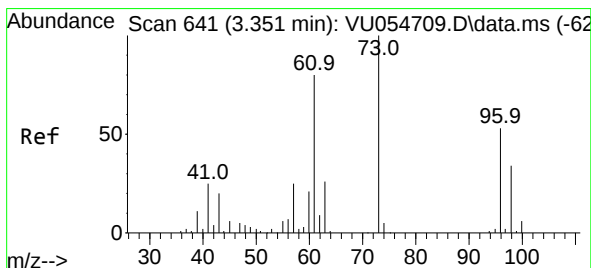
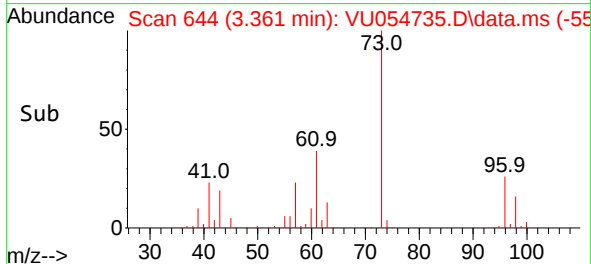
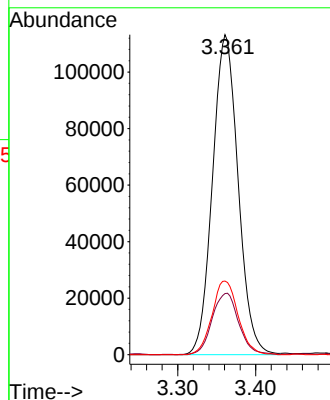
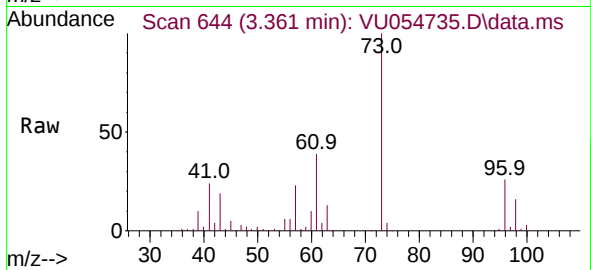




#17
Methyl tert-butyl Ether
Concen: 5.150 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

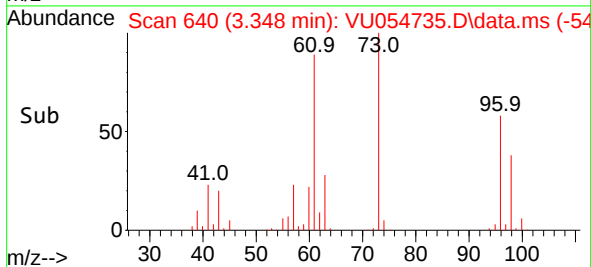
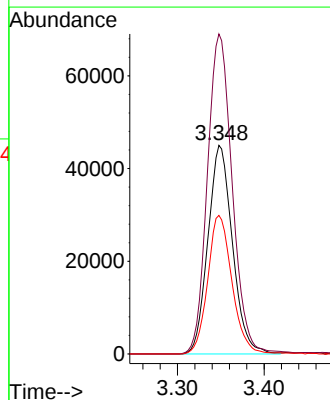
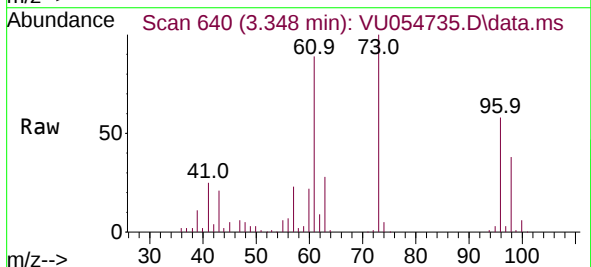
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

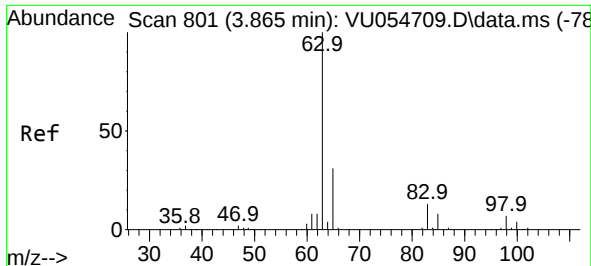
Tgt Ion: 73 Resp: 258590
Ion Ratio Lower Upper
73 100
43 20.0 15.7 23.5
57 23.4 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.217 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 96 Resp: 88564
Ion Ratio Lower Upper
96 100
61 153.3 104.6 194.2
98 66.4 45.4 84.4

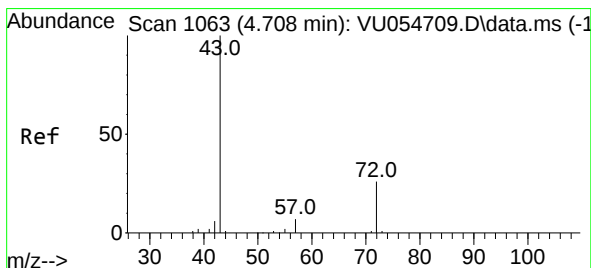
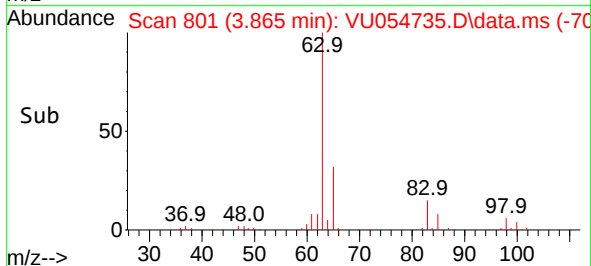
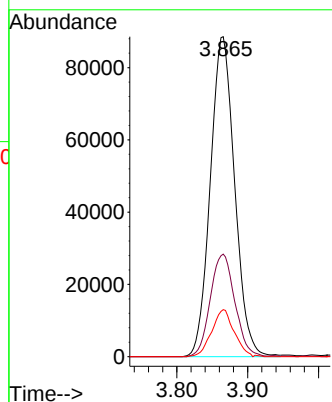
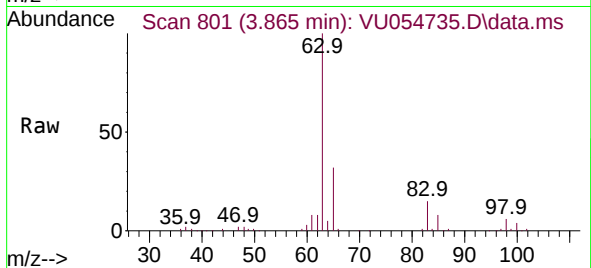




#19
1,1-Dichloroethane
Concen: 4.866 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

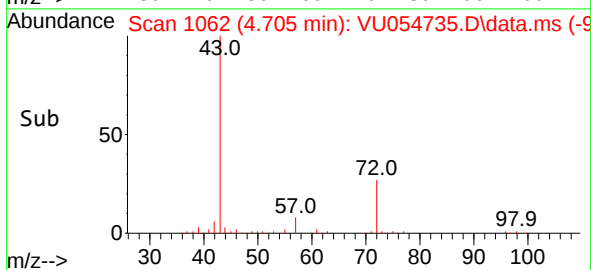
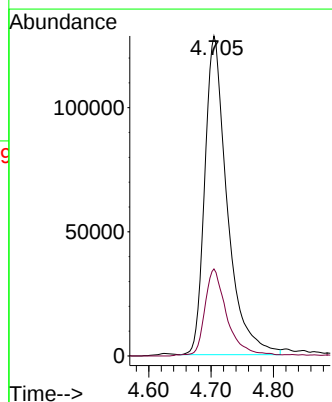
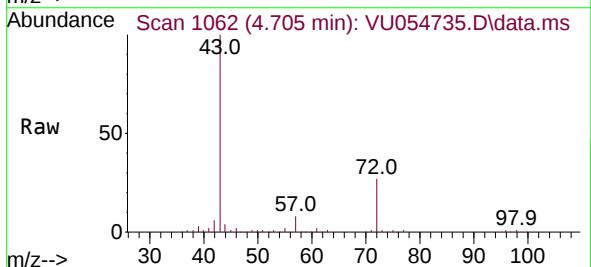
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

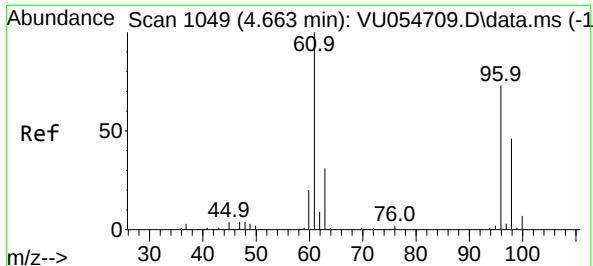
Tgt Ion: 63 Resp: 211505
Ion Ratio Lower Upper
63 100
65 32.0 22.2 41.2
83 14.7 9.0 16.6



#21
2-Butanone
Concen: 52.344 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 43 Resp: 321426
Ion Ratio Lower Upper
43 100
72 27.0 13.4 40.1

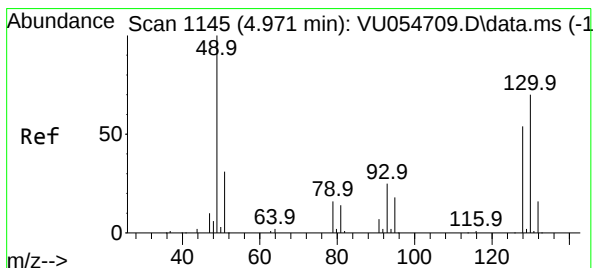
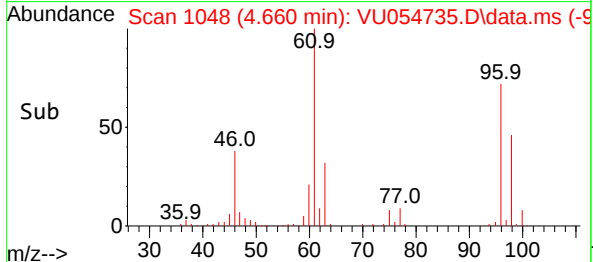
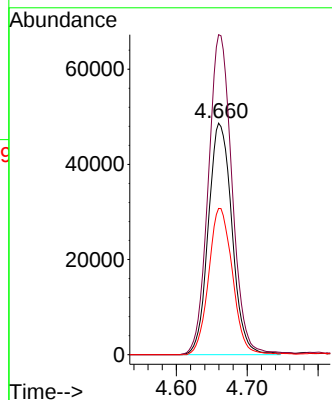
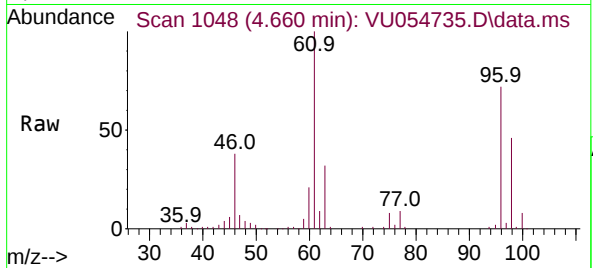




#22
 cis-1,2-Dichloroethene
 Concen: 4.720 ug/L
 RT: 4.660 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

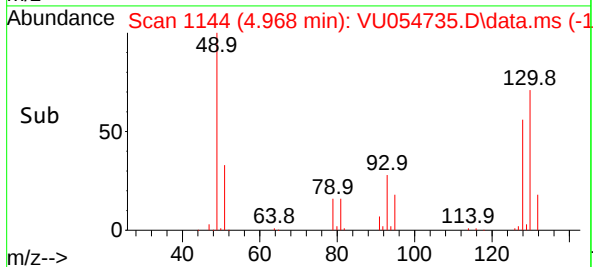
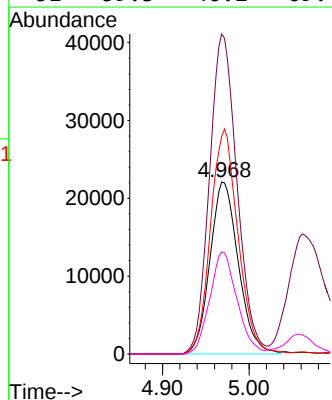
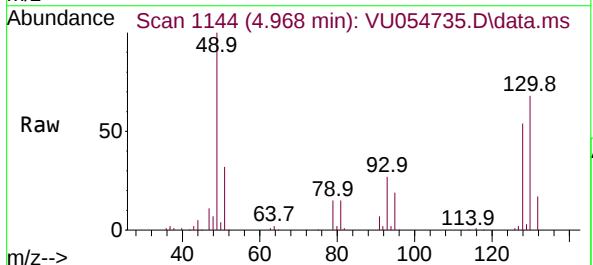
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005085

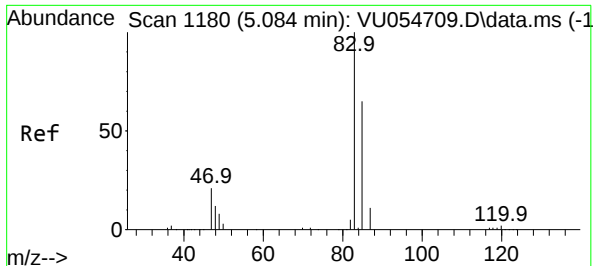
Tgt Ion: 96 Resp: 112884
 Ion Ratio Lower Upper
 96 100
 61 138.2 96.5 179.1
 98 63.2 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.044 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

Tgt Ion: 128 Resp: 50195
 Ion Ratio Lower Upper
 128 100
 49 186.1 132.1 245.3
 130 126.5 91.5 169.9
 51 59.3 46.2 69.4





#25

Chloroform

Concen: 4.983 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

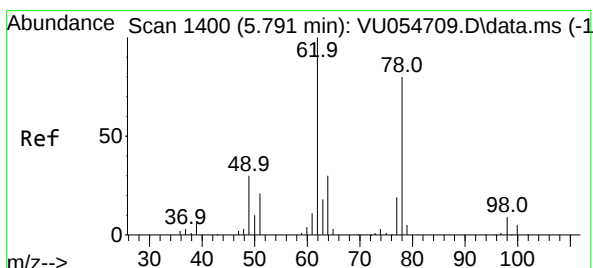
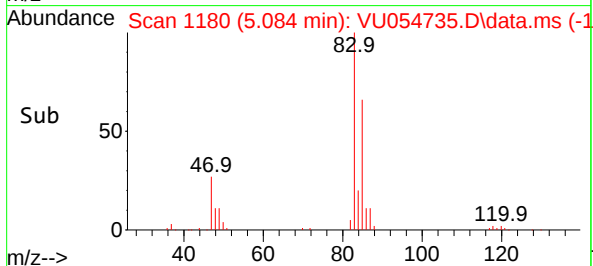
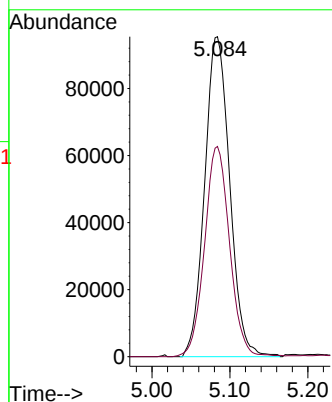
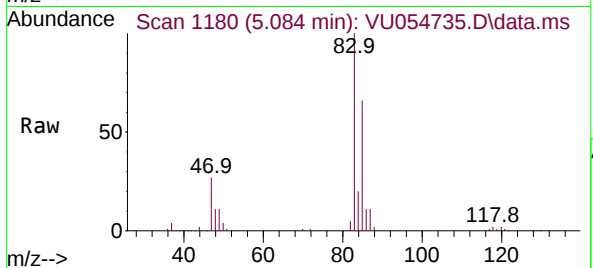
VSTD005085

Tgt Ion: 83 Resp: 213512

Ion Ratio Lower Upper

83 100

85 65.7 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.236 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU054735.D

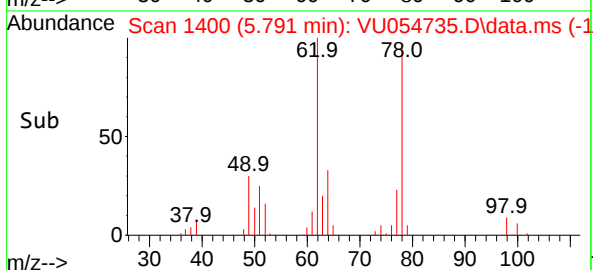
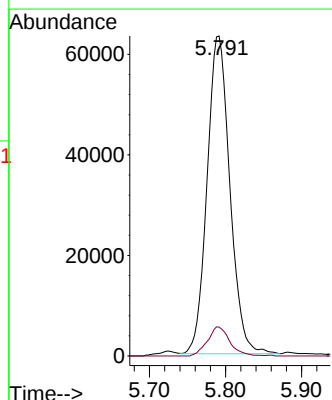
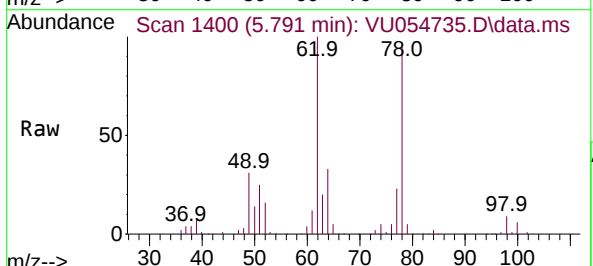
Acq: 30 Jun 2023 20:24

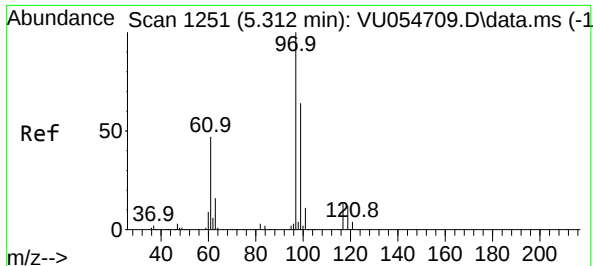
Tgt Ion: 62 Resp: 131521

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.826 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005085

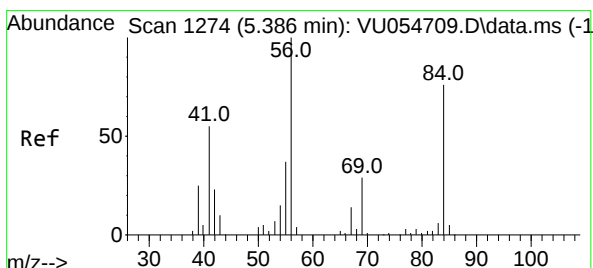
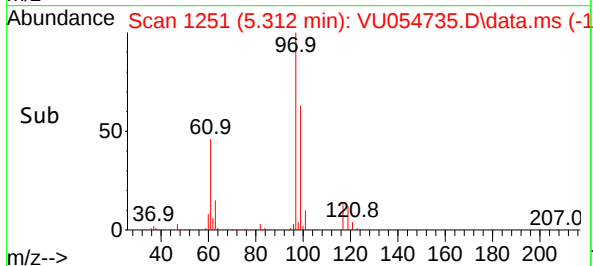
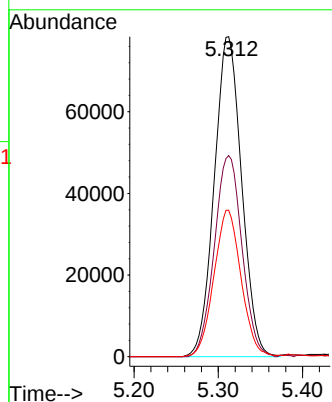
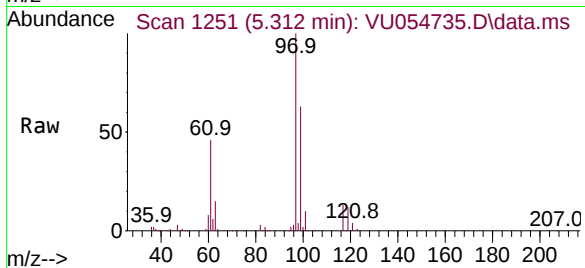
Tgt Ion: 97 Resp: 176945

Ion Ratio Lower Upper

97 100

99 63.3 50.8 76.2

61 45.4 36.1 54.1



#30

Cyclohexane

Concen: 3.824 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

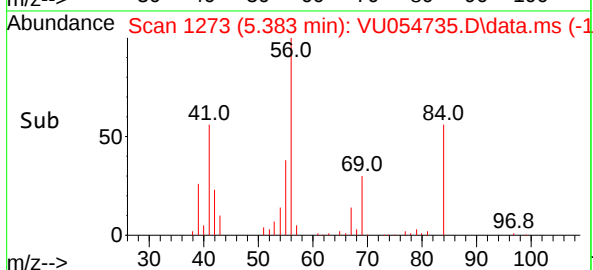
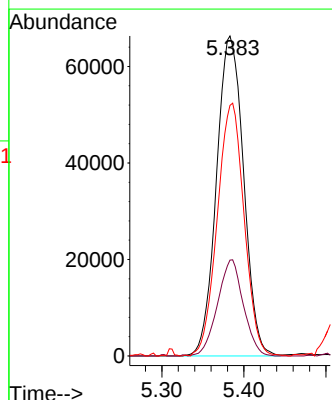
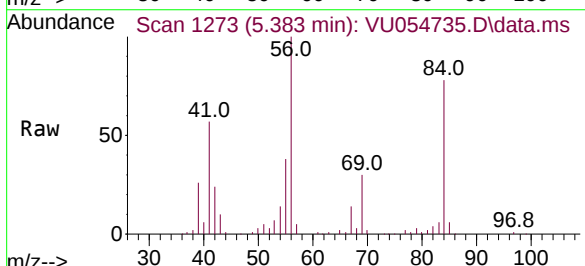
Tgt Ion: 56 Resp: 152699

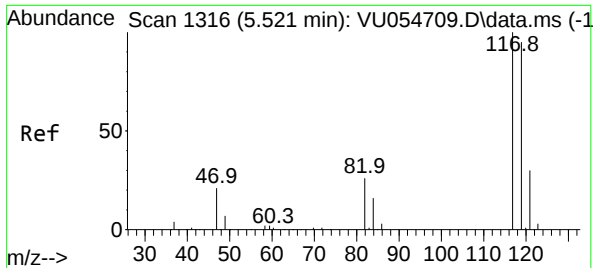
Ion Ratio Lower Upper

56 100

69 28.6 23.9 35.9

84 78.0 63.0 94.6

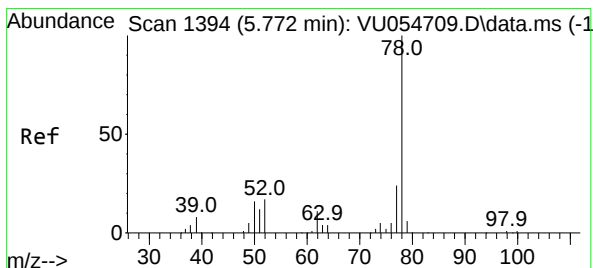
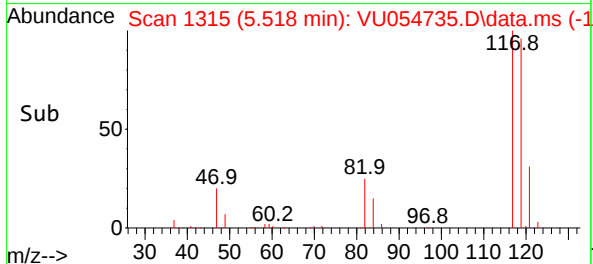
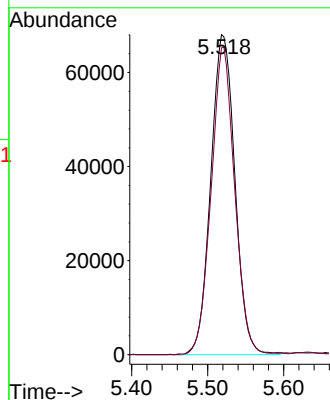
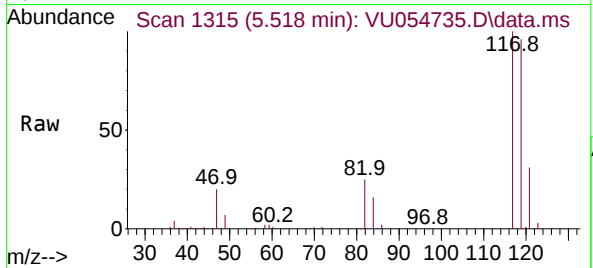




#31
Carbon tetrachloride
Concen: 4.740 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

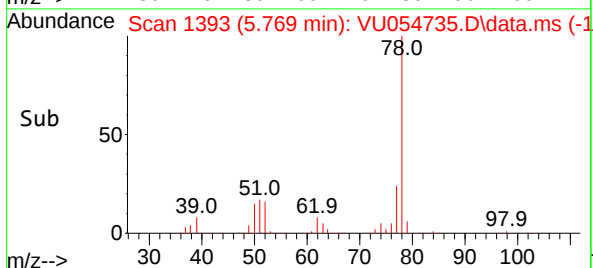
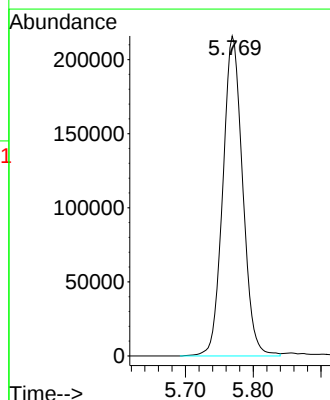
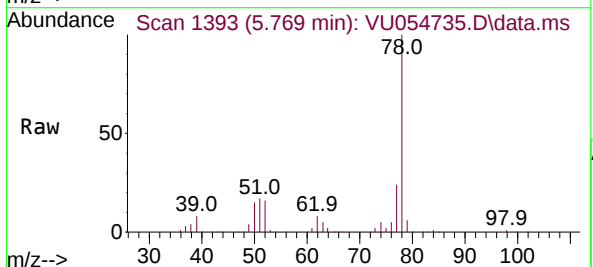
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

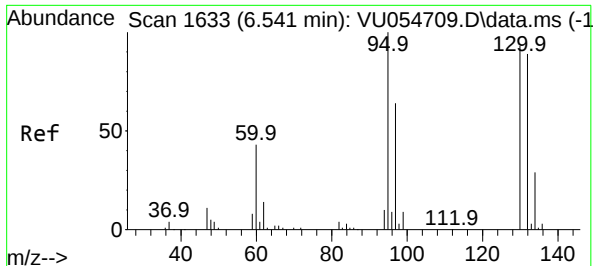
Tgt Ion:117 Resp: 149741
Ion Ratio Lower Upper
117 100
119 93.8 76.8 115.2



#33
Benzene
Concen: 4.518 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 78 Resp: 439060



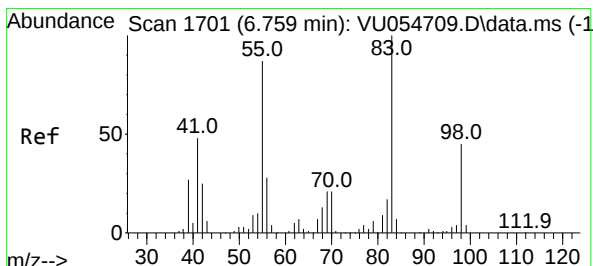
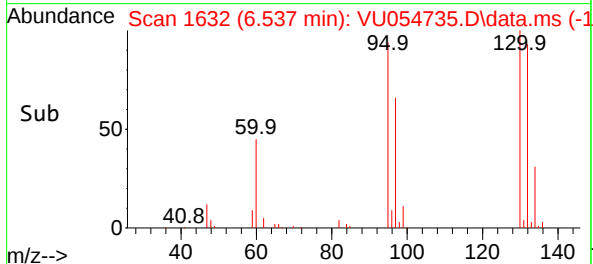
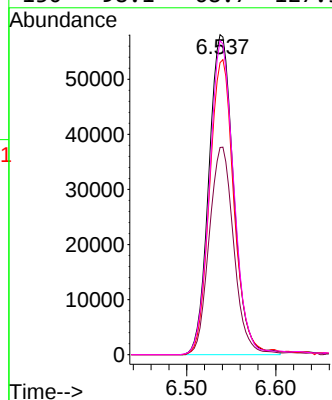
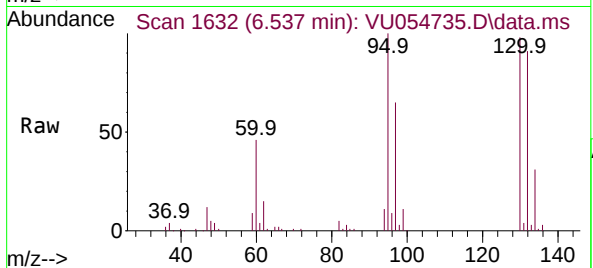


#34
Trichloroethene
Concen: 4.359 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

Tgt Ion: 95 Resp: 112023

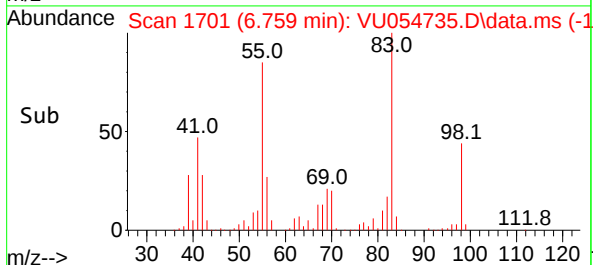
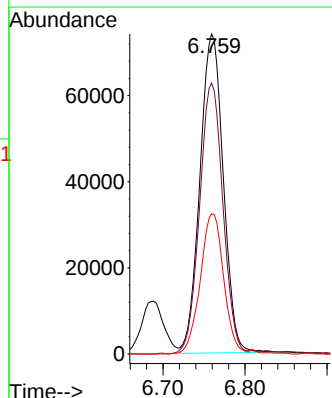
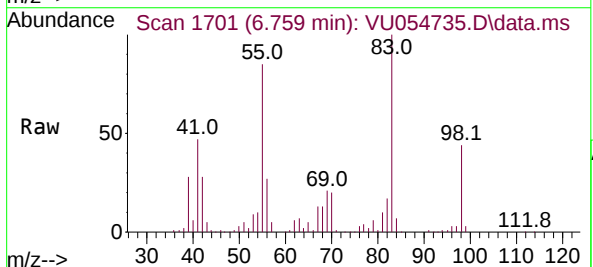
Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.8	87.0
132	91.2	68.4	127.0
130	98.1	68.7	127.5

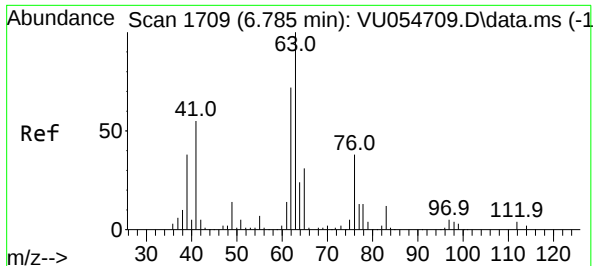


#35
Methylcyclohexane
Concen: 3.773 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 83 Resp: 146533

Ion	Ratio	Lower	Upper
83	100		
55	85.2	67.1	100.7
98	43.9	35.1	52.7





#37

1,2-Dichloropropane

Concen: 4.783 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

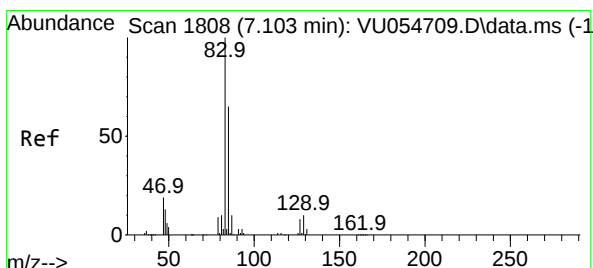
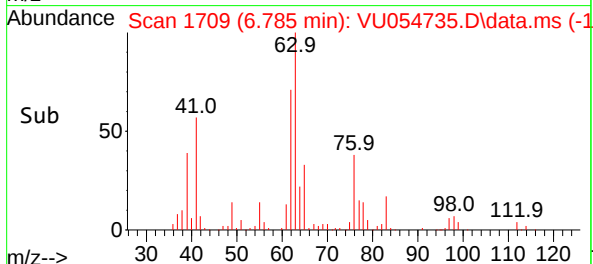
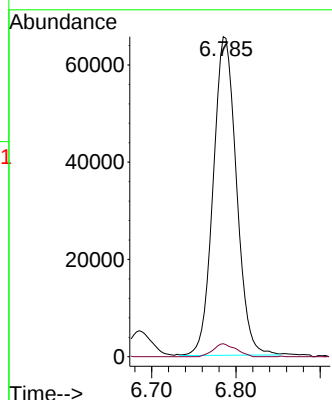
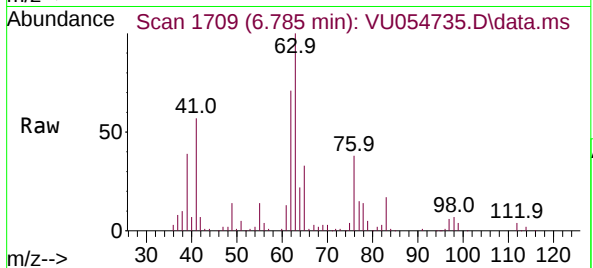
VSTD005085

Tgt Ion: 63 Resp: 125664

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 5.198 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

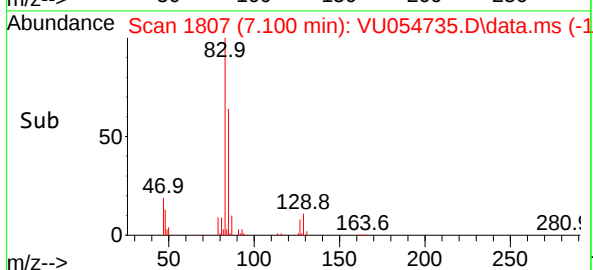
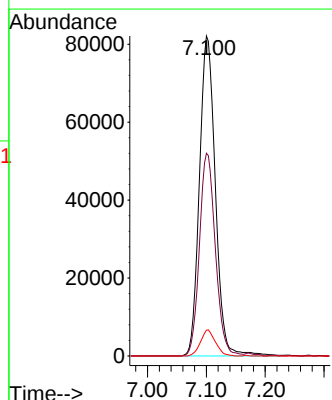
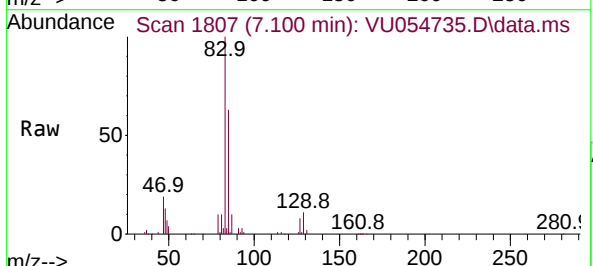
Tgt Ion: 83 Resp: 154593

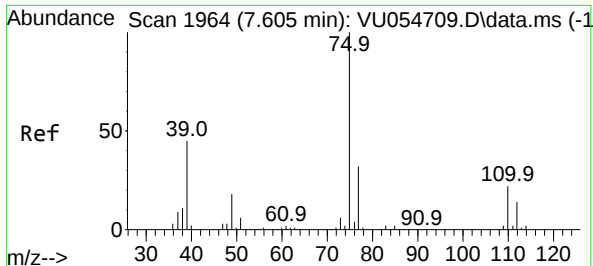
Ion Ratio Lower Upper

83 100

85 63.3 44.1 81.9

127 8.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.593 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

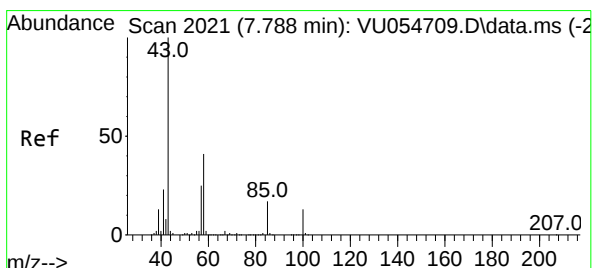
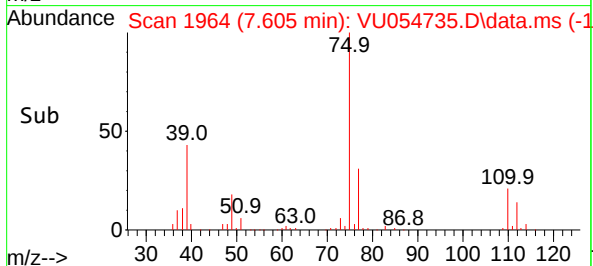
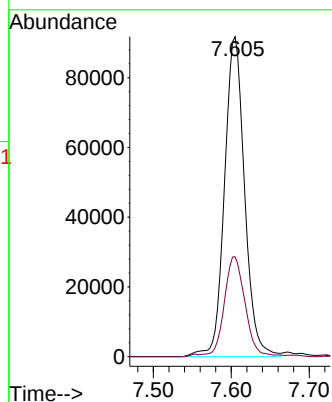
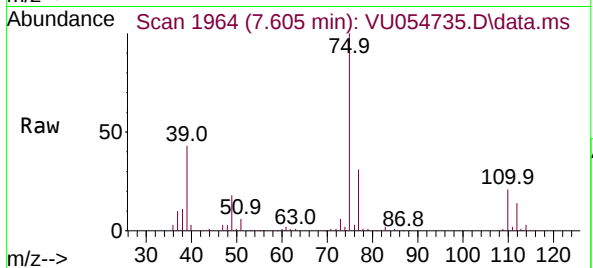
VSTD005085

Tgt Ion: 75 Resp: 164773

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 56.439 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

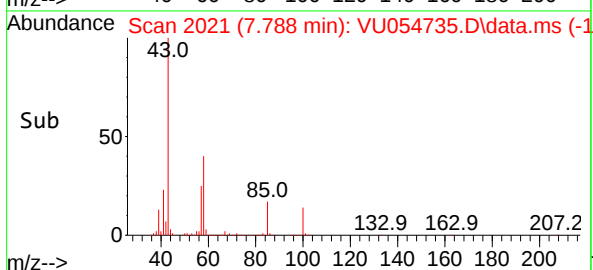
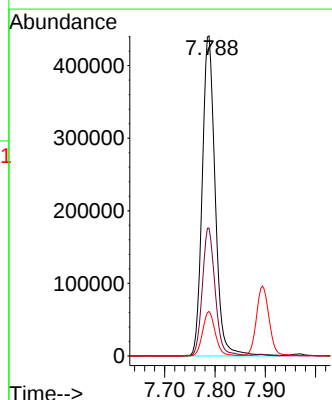
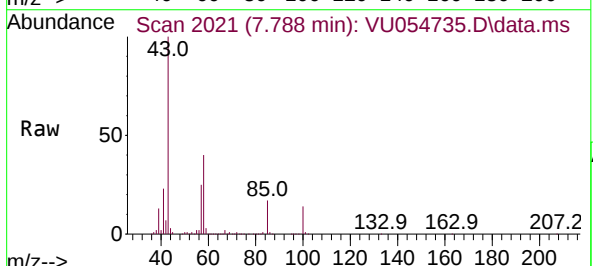
Tgt Ion: 43 Resp: 791359

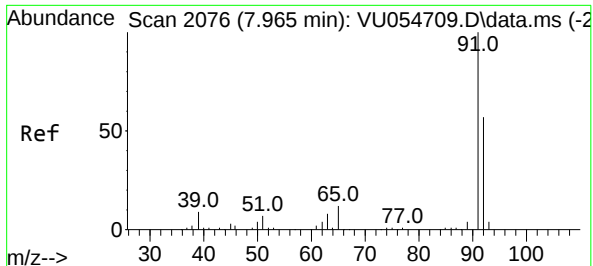
Ion Ratio Lower Upper

43 100

58 39.4 32.4 48.6

100 13.5 11.4 17.2





#42

Toluene

Concen: 4.645 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

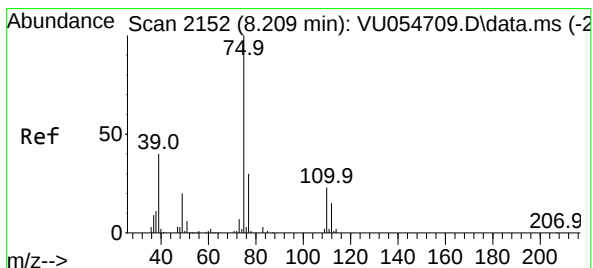
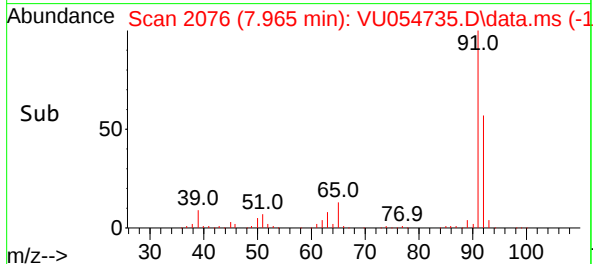
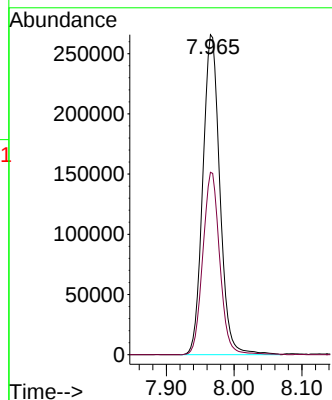
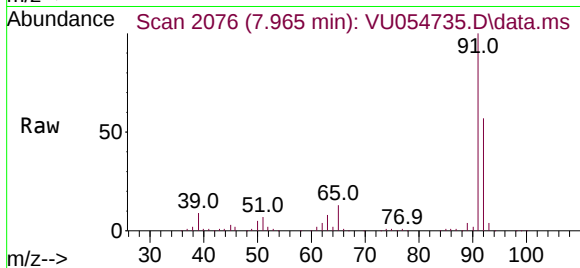
VSTD005085

Tgt Ion: 91 Resp: 464865

Ion Ratio Lower Upper

91 100

92 57.0 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.857 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU054735.D

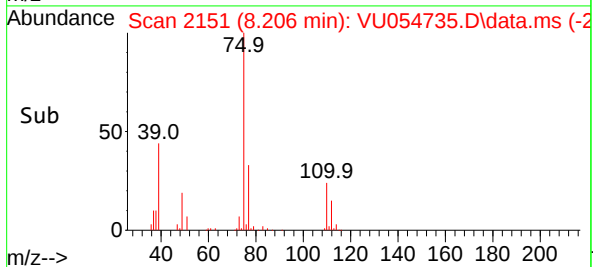
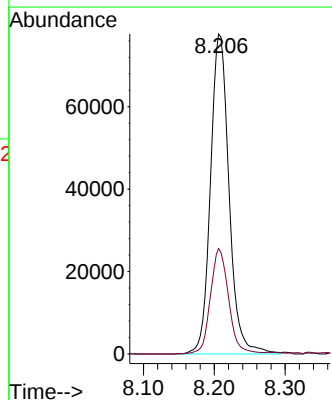
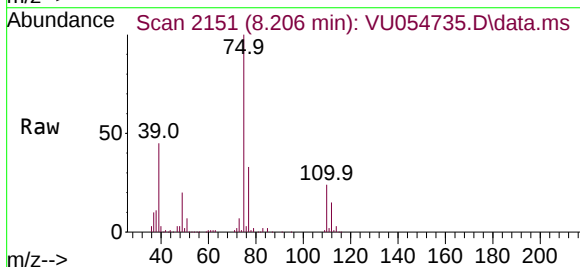
Acq: 30 Jun 2023 20:24

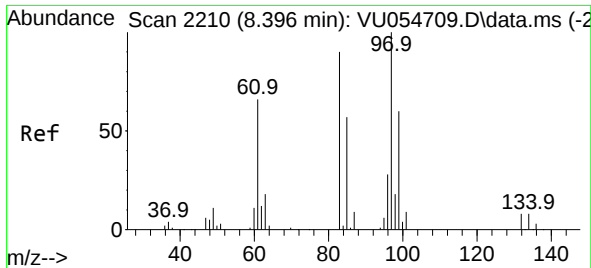
Tgt Ion: 75 Resp: 141388

Ion Ratio Lower Upper

75 100

77 32.9 21.3 39.6

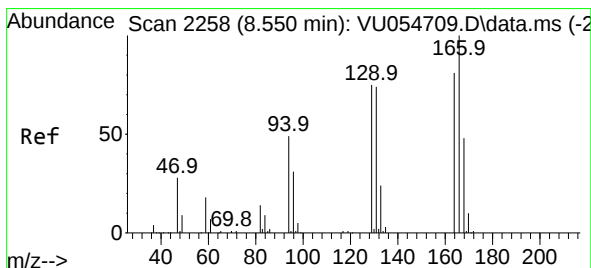
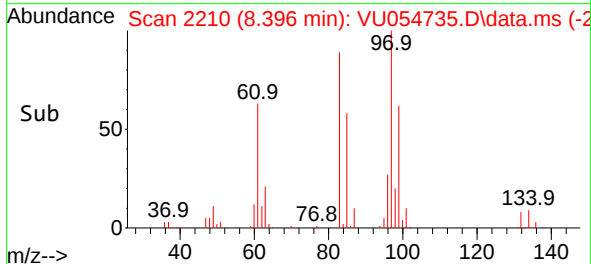
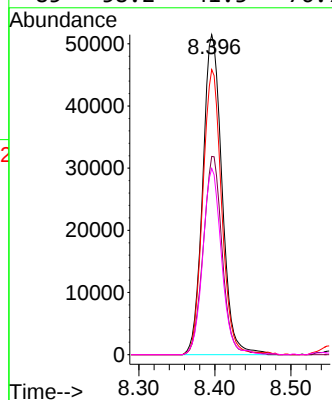
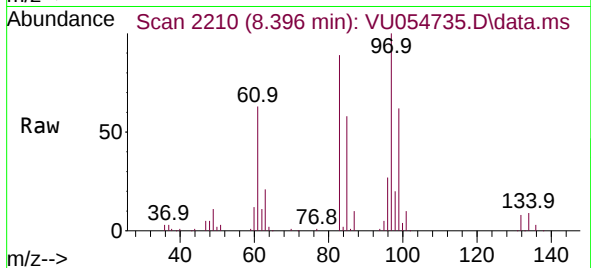




#45
1,1,2-Trichloroethane
Concen: 5.420 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

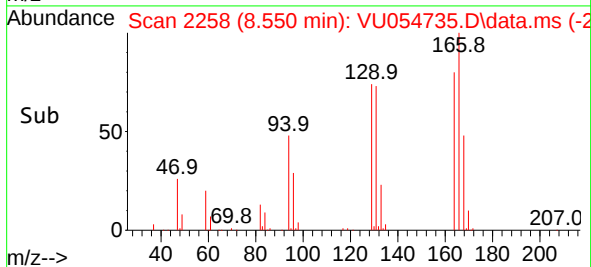
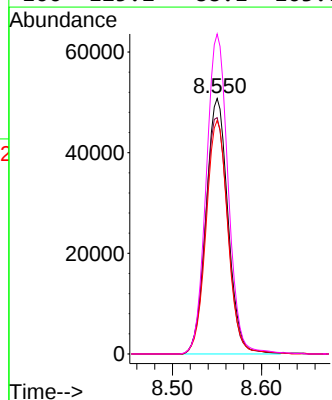
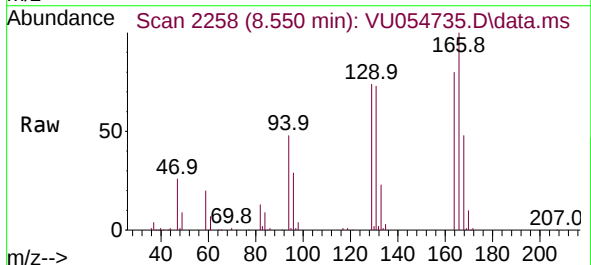
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

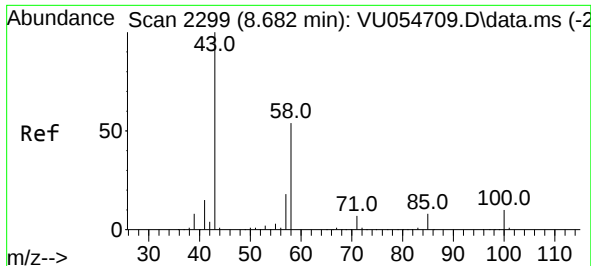
Tgt Ion: 97	Resp: 90599
Ion Ratio	Lower Upper
97 100	
99 62.0	43.0 80.0
83 89.1	63.8 118.6
85 58.2	41.3 76.7



#47
Tetrachloroethene
Concen: 4.429 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt	Ion:164	Resp:	87109
Ion	Ratio	Lower	Upper
164	100		
129	92.4	67.7	125.7
131	91.3	64.6	120.0
166	125.2	88.1	163.7

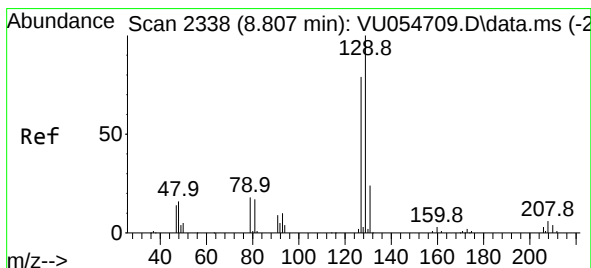
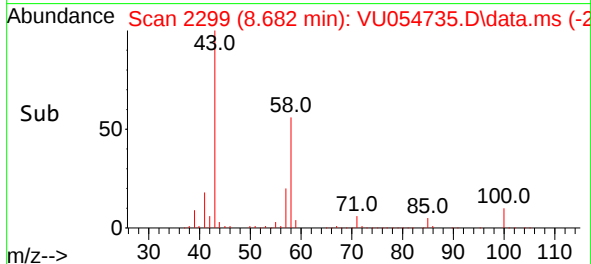
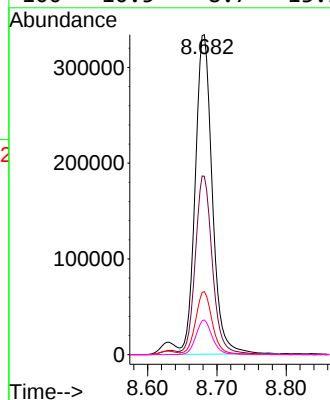
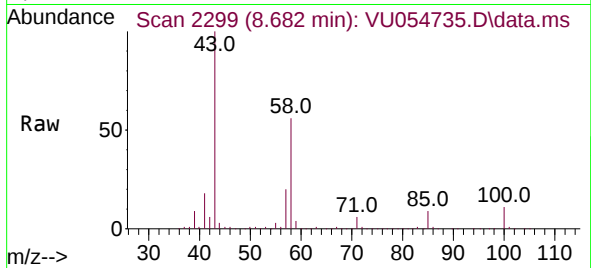




#48
2-Hexanone
Concen: 54.643 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

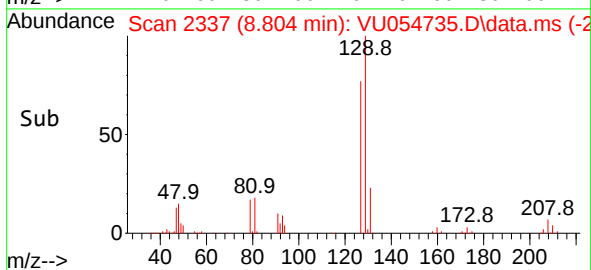
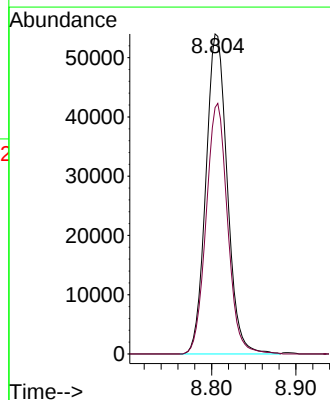
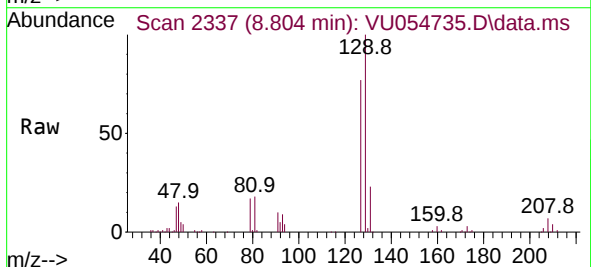
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

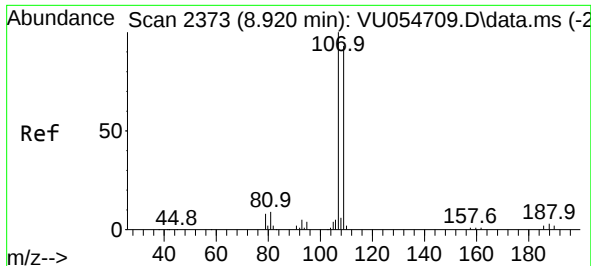
Tgt Ion: 43	Resp: 570889
Ion Ratio	Lower Upper
43 100	
58 55.8	45.2 67.8
57 19.2	15.8 23.6
100 10.5	8.7 13.1



#49
Dibromochloromethane
Concen: 5.434 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion:129	Resp:	95374	
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.2	98.8

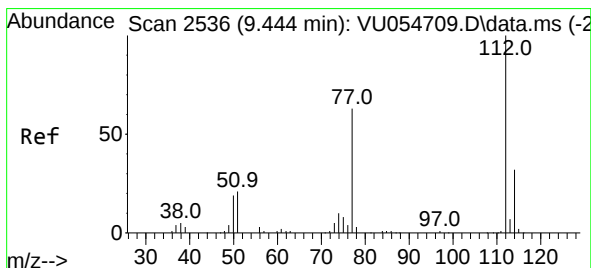
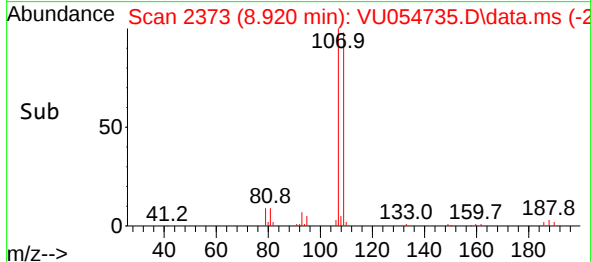
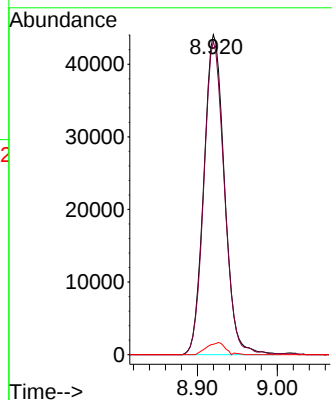
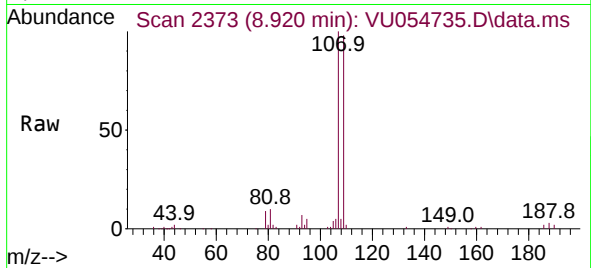




#50
1,2-Dibromoethane
Concen: 5.169 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

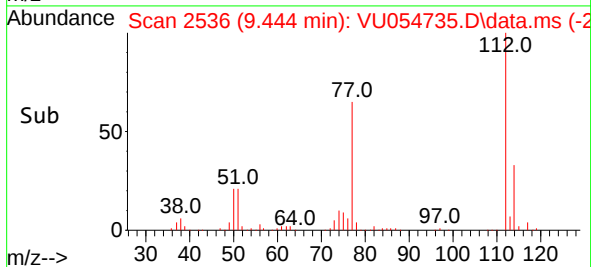
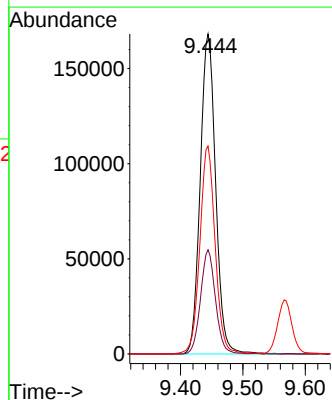
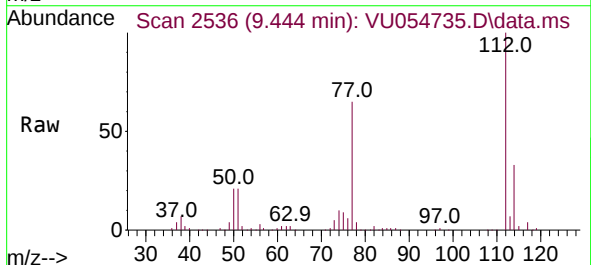
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

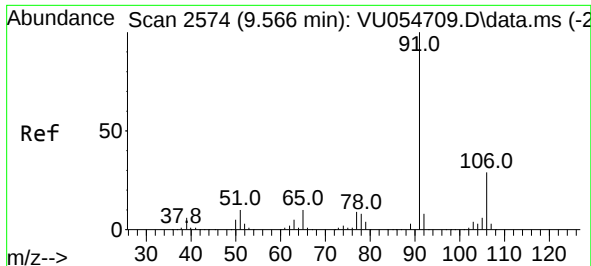
Tgt Ion:107 Resp: 79325
Ion Ratio Lower Upper
107 100
109 97.9 66.6 123.6
188 3.3 3.1 4.7



#51
Chlorobenzene
Concen: 4.634 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion:112 Resp: 289101
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.1
77 65.0 49.8 74.8

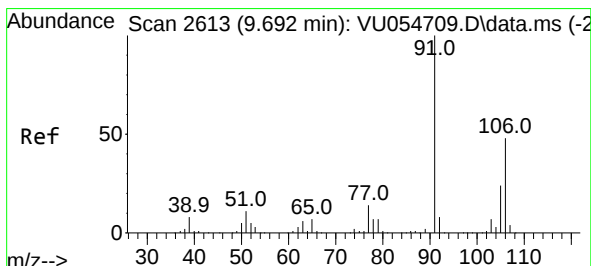
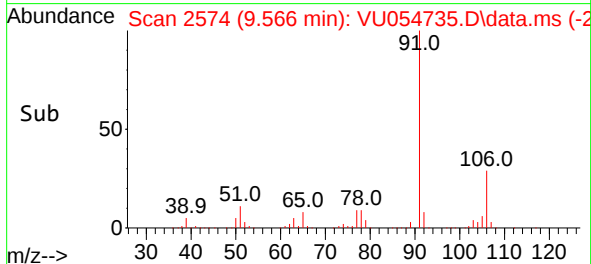
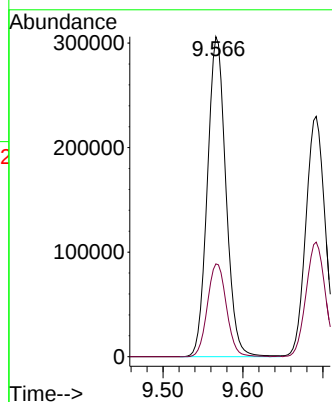
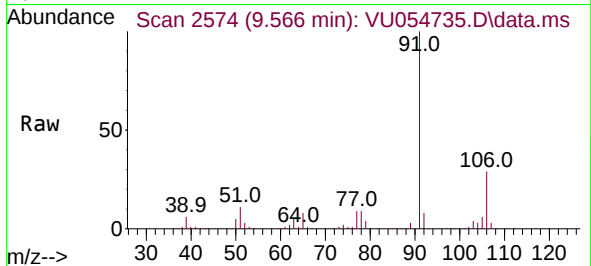




#52
Ethylbenzene
Concen: 4.512 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

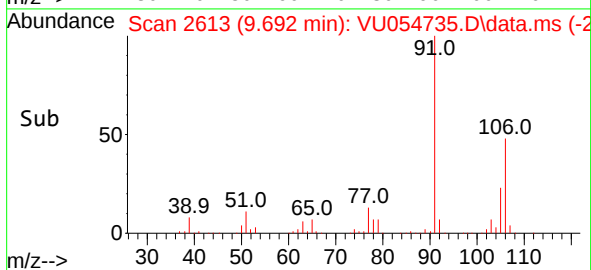
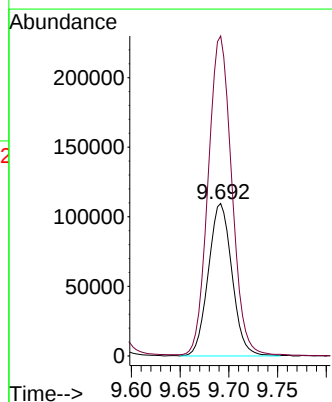
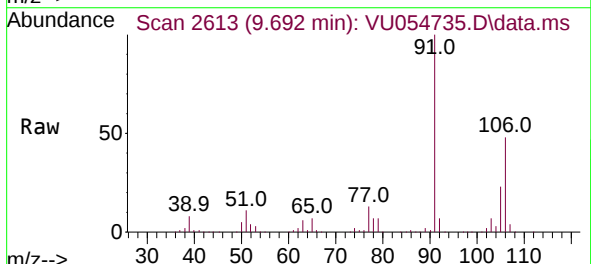
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

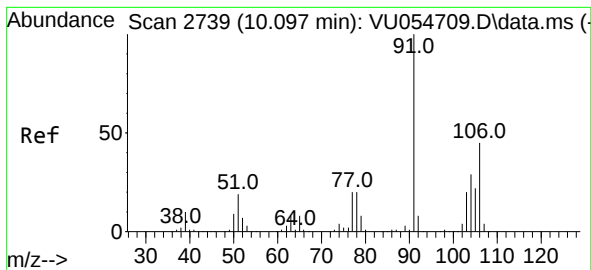
Tgt Ion: 91 Resp: 493111
Ion Ratio Lower Upper
91 100
106 29.0 21.1 39.3



#53
m,p-Xylene
Concen: 4.612 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 106 Resp: 185169
Ion Ratio Lower Upper
106 100
91 209.9 147.0 273.0





#54

o-Xylene

Concen: 4.783 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

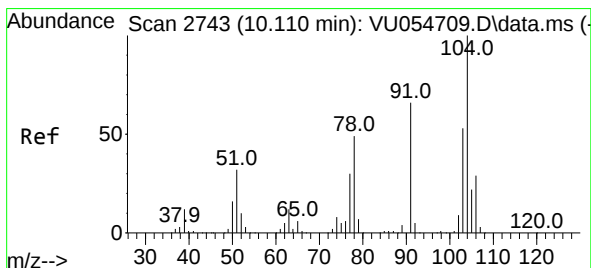
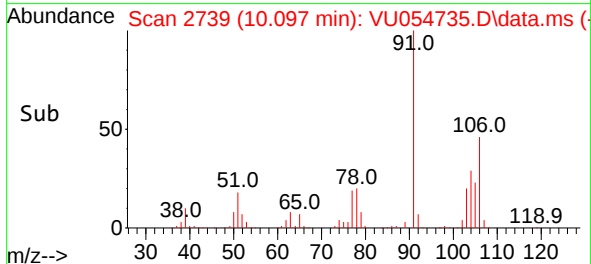
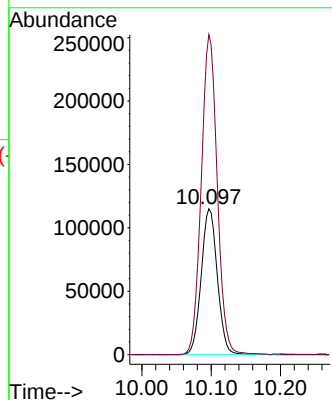
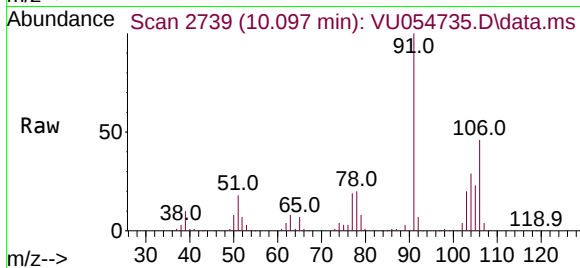
VSTD005085

Tgt Ion:106 Resp: 185721

Ion Ratio Lower Upper

106 100

91 219.3 154.5 286.9



#55

Styrene

Concen: 4.921 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU054735.D

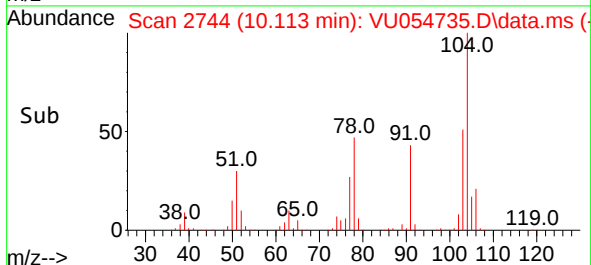
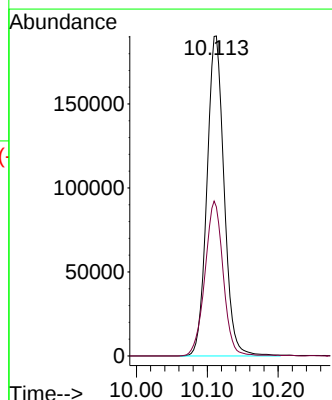
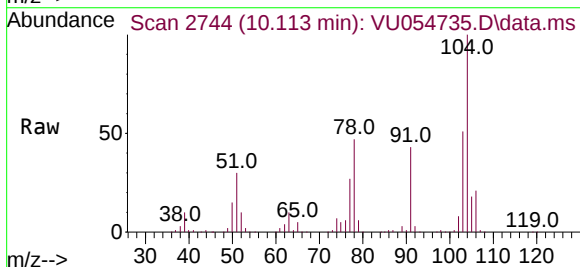
Acq: 30 Jun 2023 20:24

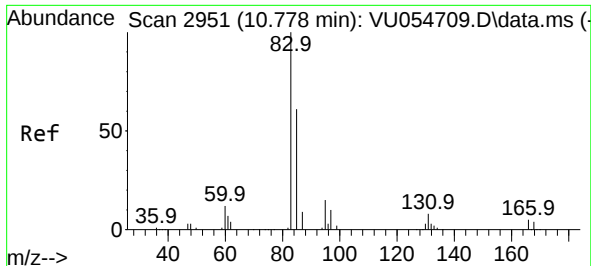
Tgt Ion:104 Resp: 320681

Ion Ratio Lower Upper

104 100

78 46.6 33.0 61.4

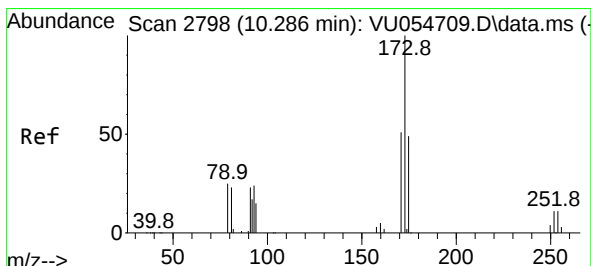
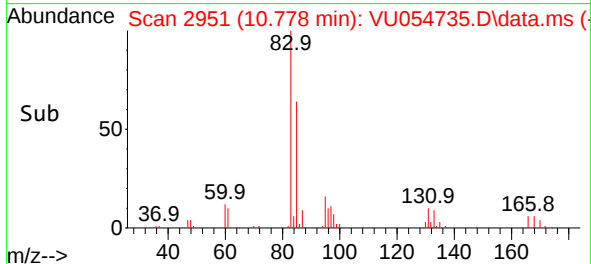
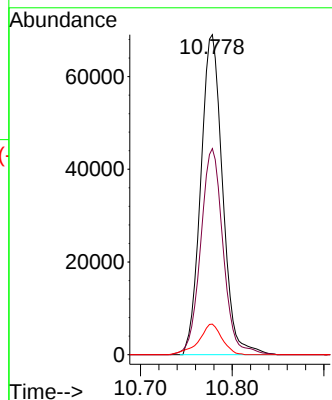
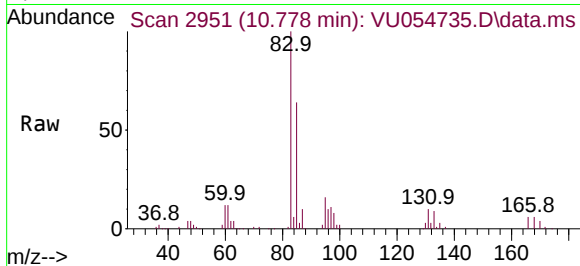




#57
1,1,2,2-Tetrachloroethane
Concen: 5.373 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

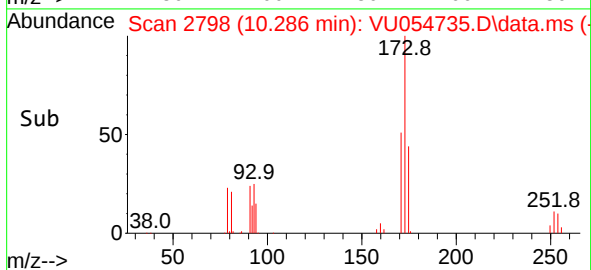
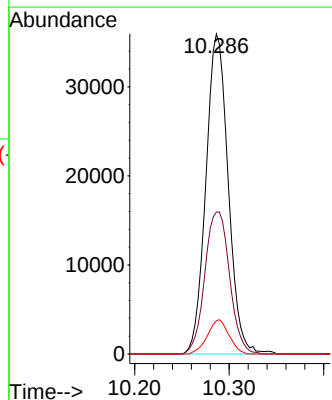
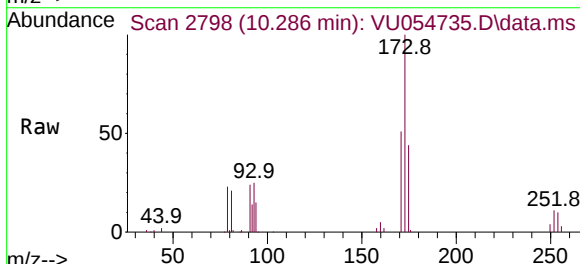
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

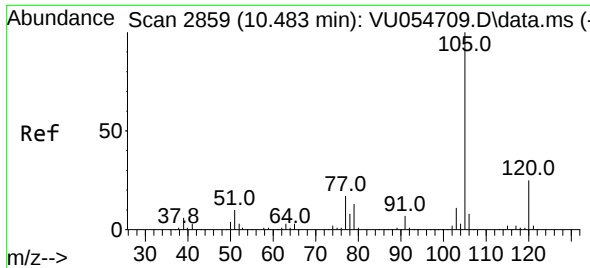
Tgt Ion: 83 Resp: 114080
Ion Ratio Lower Upper
83 100
85 64.4 44.2 82.2
131 9.6 7.0 10.6



#59
Bromoform
Concen: 5.909 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion:173 Resp: 59003
Ion Ratio Lower Upper
173 100
175 49.2 39.4 59.0
254 10.3 8.6 12.8

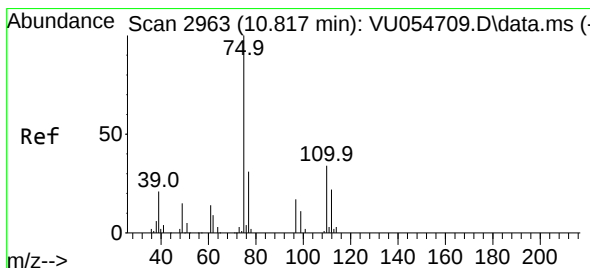
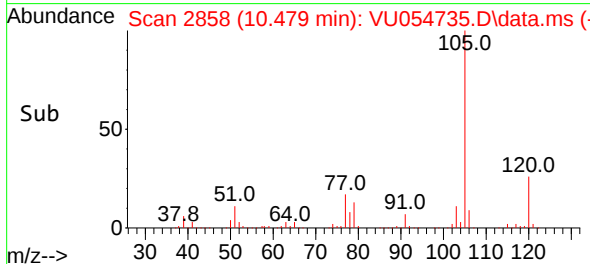
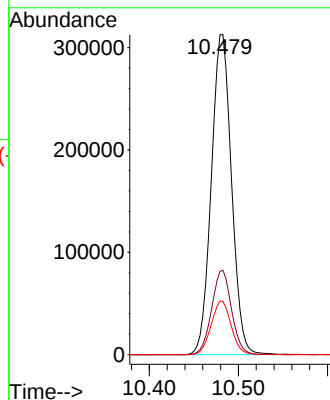
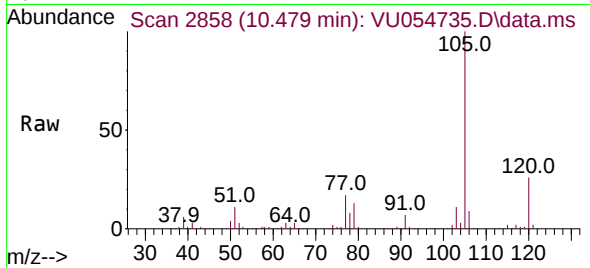




#60
Isopropylbenzene
Concen: 4.841 ug/L
RT: 10.479 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

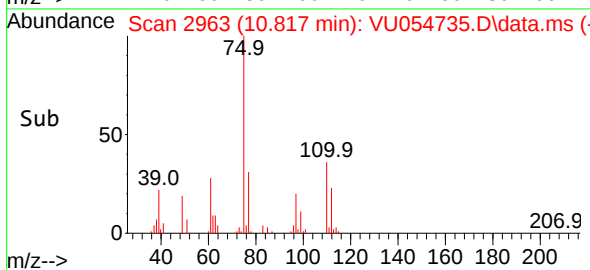
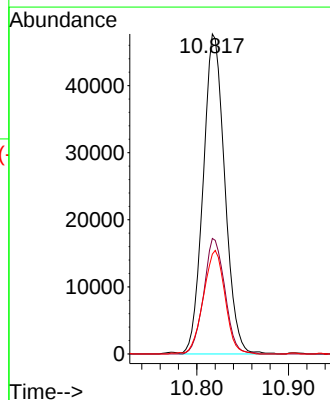
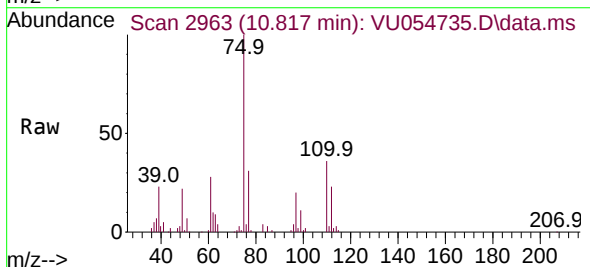
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

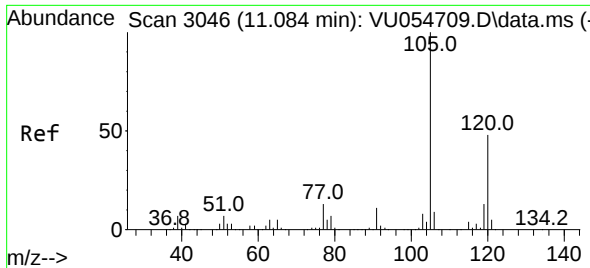
Tgt Ion:105 Resp: 492645
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3
77 16.7 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.547 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion: 75 Resp: 77973
Ion Ratio Lower Upper
75 100
110 35.2 28.0 42.0
77 32.5 25.4 38.2

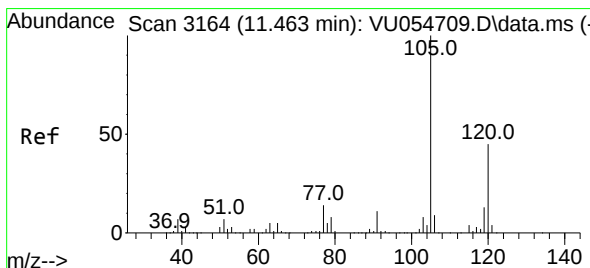
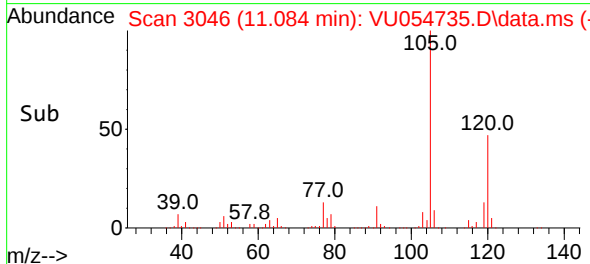
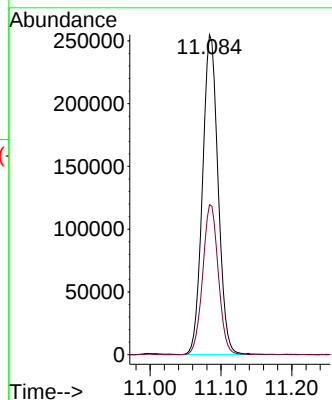
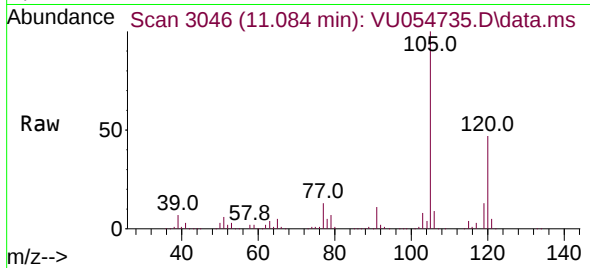




#62
 1,3,5-Trimethylbenzene
 Concen: 4.672 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

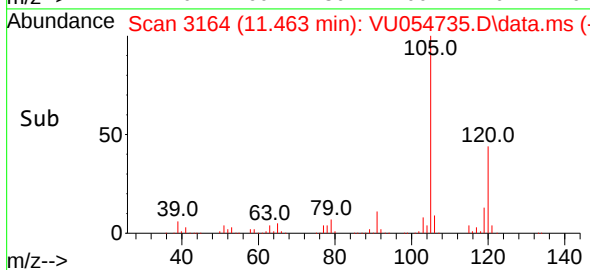
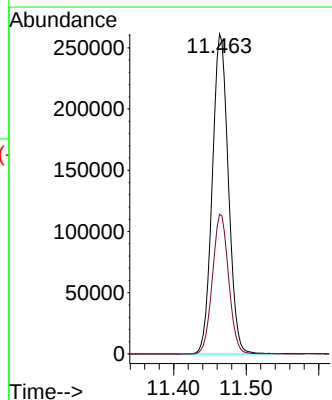
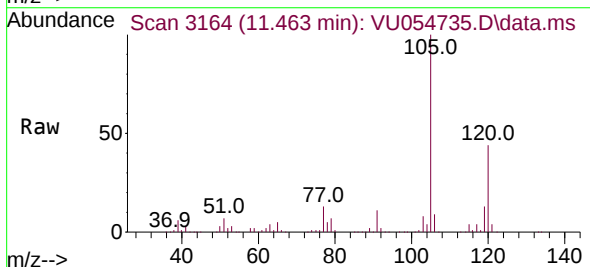
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005085

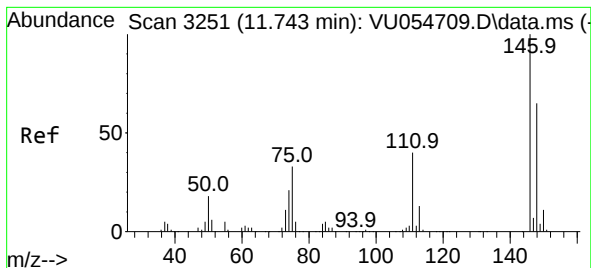
Tgt Ion:105 Resp: 387846
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.769 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

Tgt Ion:105 Resp: 402111
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 4.949 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005085

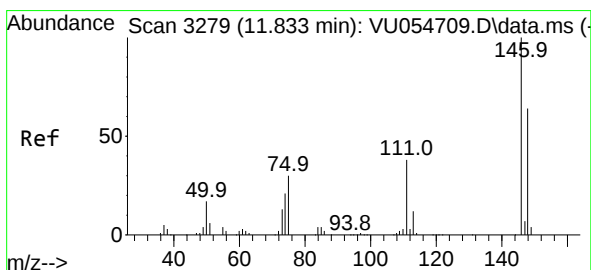
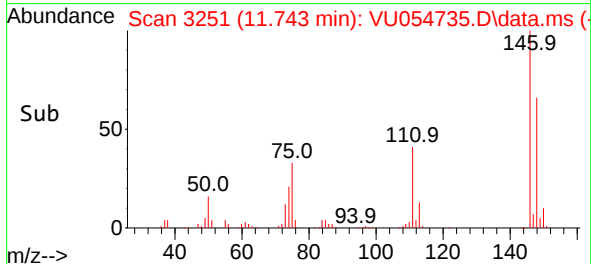
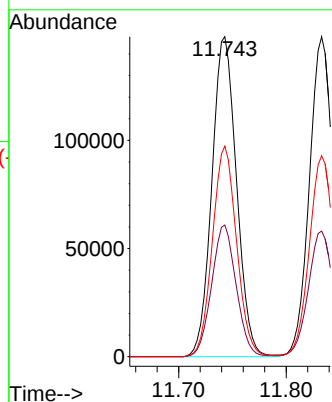
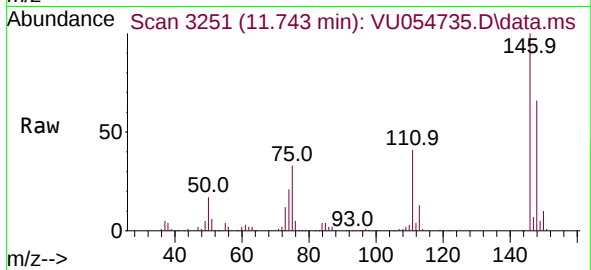
Tgt Ion:146 Resp: 235401

Ion Ratio Lower Upper

146 100

111 41.1 28.9 53.7

148 65.8 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

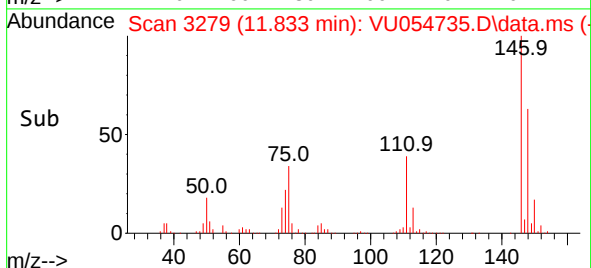
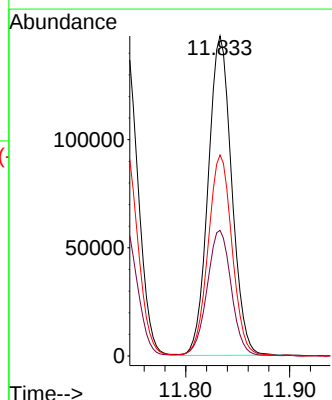
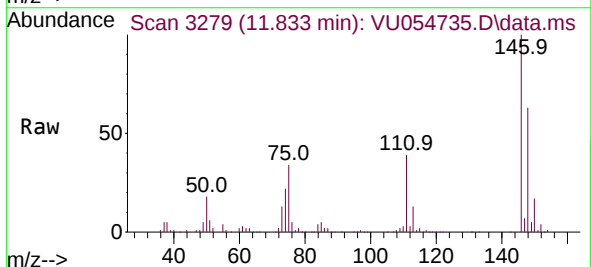
Tgt Ion:146 Resp: 232474

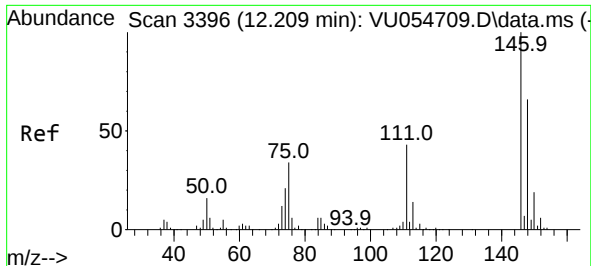
Ion Ratio Lower Upper

146 100

111 39.3 28.0 52.0

148 62.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.071 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD005085

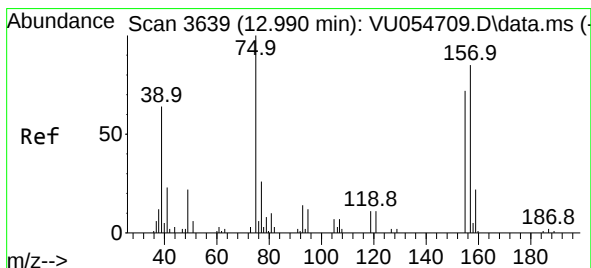
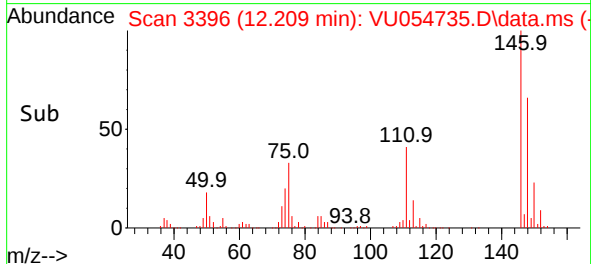
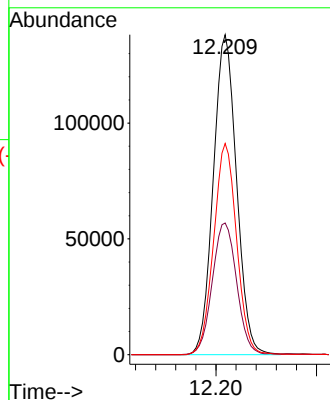
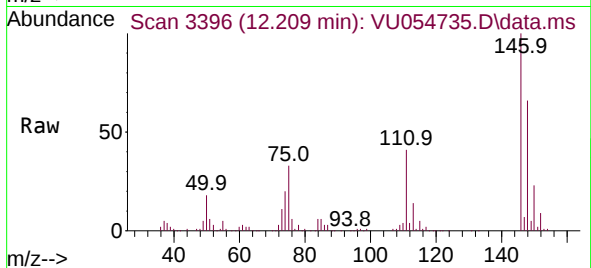
Tgt Ion:146 Resp: 221839

Ion Ratio Lower Upper

146 100

111 41.2 34.5 51.7

148 66.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.862 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054735.D

Acq: 30 Jun 2023 20:24

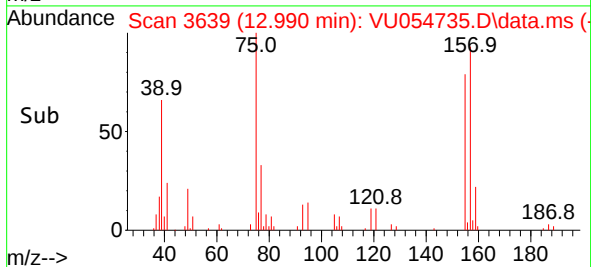
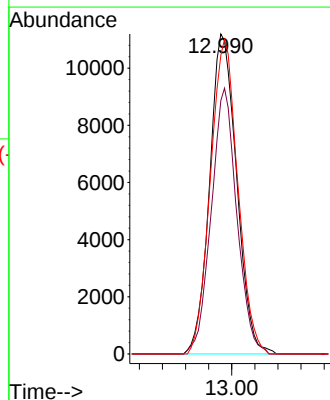
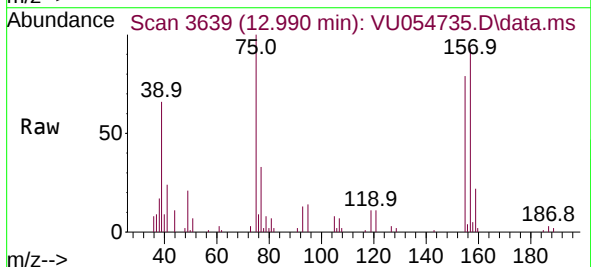
Tgt Ion: 75 Resp: 18109

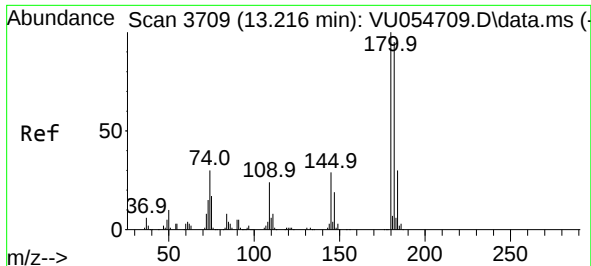
Ion Ratio Lower Upper

75 100

155 79.2 65.7 98.5

157 93.3 84.2 126.2

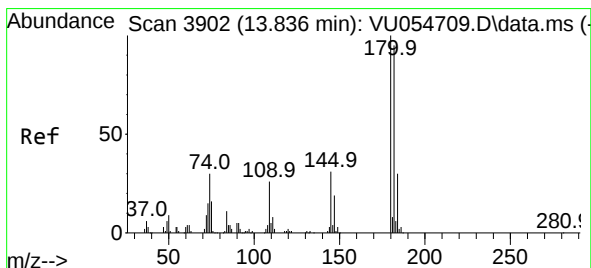
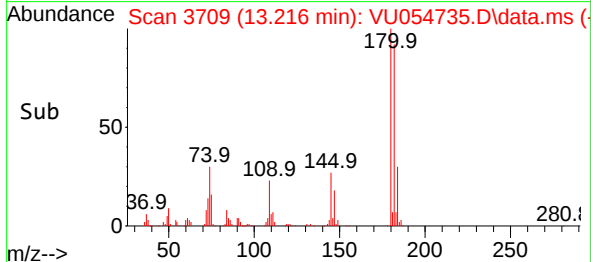
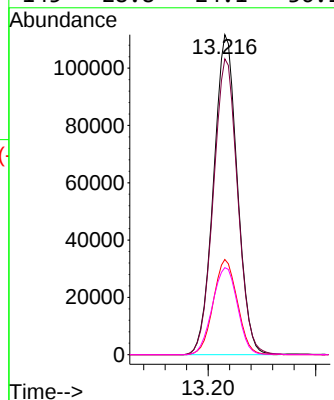
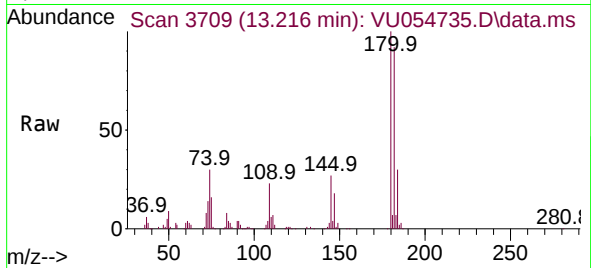




#69
 1,3,5-Trichlorobenzene
 Concen: 4.765 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

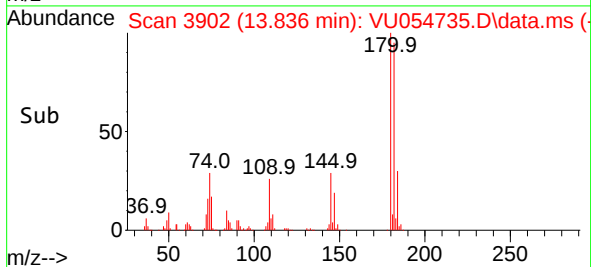
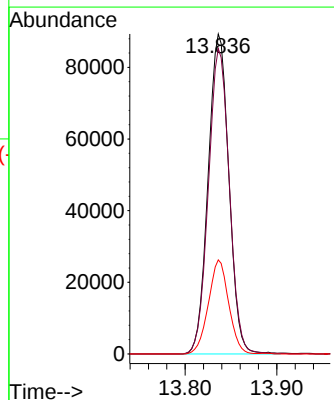
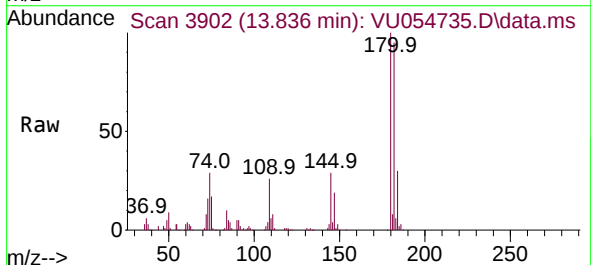
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005085

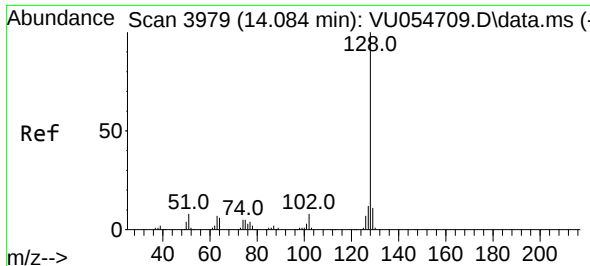
Tgt Ion:	180	Resp:	170994
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.6
184	30.1	24.1	36.1
145	28.8	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.732 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054735.D
 Acq: 30 Jun 2023 20:24

Tgt Ion:	180	Resp:	140427
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	28.7	24.0	36.0

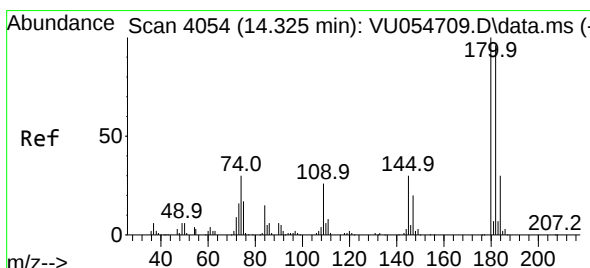
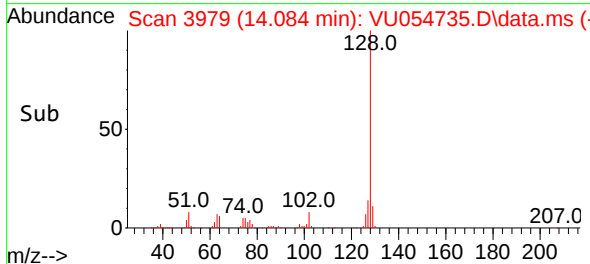
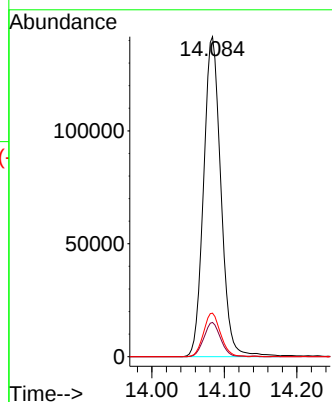
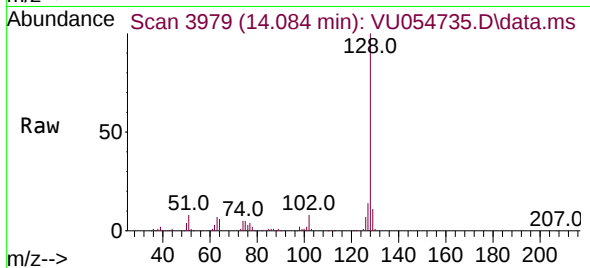




#71
Naphthalene
Concen: 4.869 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

Tgt Ion:128 Resp: 234961
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 13.4 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.146 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054735.D
Acq: 30 Jun 2023 20:24

Tgt Ion:180 Resp: 131196
Ion Ratio Lower Upper
180 100
182 94.7 75.4 113.2
145 32.1 26.0 39.0

