

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070523\
 Data File : VU054769.D
 Acq On : 05 Jul 2023 15:00
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005089

Quant Time: Jul 06 01:04:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 06 01:01:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	204138	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	199080	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	109690	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	48897	3.764	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.907	69	46631	3.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.563	65	22730	3.917	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.624	46	196166	53.705	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.400%
24) Chloroform-d	5.058	84	122642	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.698	65	63623	4.806	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.724	84	216556	3.913	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.689	67	73107	3.956	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.200%
41) Toluene-d8	7.898	98	201839	4.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.177	79	30829	4.797	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.631	63	141000	52.294	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.580%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	68208	4.949	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	82696	4.470	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	74219	3.891	ug/L	98
3) Chloromethane	1.518	50	84907	3.875	ug/L	97
5) Vinyl chloride	1.602	62	94840	4.217	ug/L	99
6) Bromomethane	1.853	94	54586	4.415	ug/L	100
8) Chloroethane	1.927	64	62644	4.647	ug/L	97
9) Trichlorofluoromethane	2.133	101	152270	5.507	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	84586	5.229	ug/L	97
12) 1,1-Dichloroethene	2.573	96	69907	4.721	ug/L	94
13) Acetone	2.634	43	188042	54.600	ug/L	98
14) Carbon disulfide	2.788	76	155728	3.547	ug/L	100
15) Methyl Acetate	2.952	43	34836	5.458	ug/L	99
16) Methylene chloride	3.042	84	103450	4.969	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	201377	5.510	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	70287	4.598	ug/L	98
19) 1,1-Dichloroethane	3.866	63	165777	5.240	ug/L	99
21) 2-Butanone	4.705	43	251050	56.167	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	90950	5.224	ug/L	95
23) Bromochloromethane	4.972	128	39984	5.520	ug/L	92
25) Chloroform	5.084	83	172142	5.519	ug/L	100

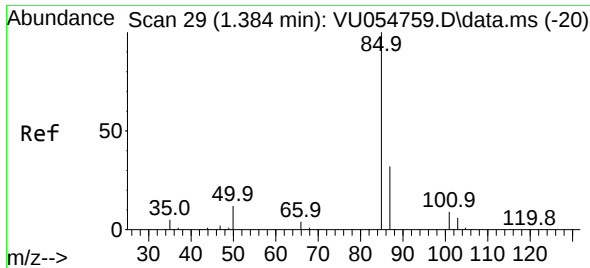
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070523\
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	103979	5.688	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	148964	5.518	ug/L	98
30) Cyclohexane	5.383	56	113183	3.849	ug/L	95
31) Carbon tetrachloride	5.521	117	127920	5.499	ug/L	100
33) Benzene	5.769	78	334181	4.671	ug/L	100
34) Trichloroethene	6.541	95	92529	4.891	ug/L	96
35) Methylcyclohexane	6.759	83	118781	4.154	ug/L	99
37) 1,2-Dichloropropane	6.788	63	93700	4.843	ug/L	99
38) Bromodichloromethane	7.103	83	122733	5.605	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	137272	5.197	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	566340	54.858	ug/L	100
42) Toluene	7.968	91	373438	5.068	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	118961	5.550	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	70358	5.717	ug/L	98
47) Tetrachloroethene	8.550	164	71398	4.930	ug/L	98
48) 2-Hexanone	8.682	43	427610	55.589	ug/L	99
49) Dibromochloromethane	8.807	129	80230	6.209	ug/L	99
50) 1,2-Dibromoethane	8.920	107	62738	5.553	ug/L	98
51) Chlorobenzene	9.444	112	237896	5.180	ug/L	100
52) Ethylbenzene	9.570	91	397282	4.937	ug/L	100
53) m,p-Xylene	9.692	106	150863	5.103	ug/L	99
54) o-Xylene	10.100	106	149011	5.213	ug/L	98
55) Styrene	10.113	104	257920	5.375	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	87862	5.621	ug/L	99
59) Bromoform	10.287	173	48988	6.221	ug/L	100
60) Isopropylbenzene	10.483	105	407360	5.077	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	59740	5.389	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	329071	5.026	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	333542	5.016	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	199676	5.324	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	199909	5.311	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	187935	5.448	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.997	75	14000	5.747	ug/L	99
69) 1,3,5-Trichlorobenzene	13.219	180	152820	5.400	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	123969	5.297	ug/L	99
71) Naphthalene	14.084	128	184402	4.846	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	110203	5.482	ug/L	97

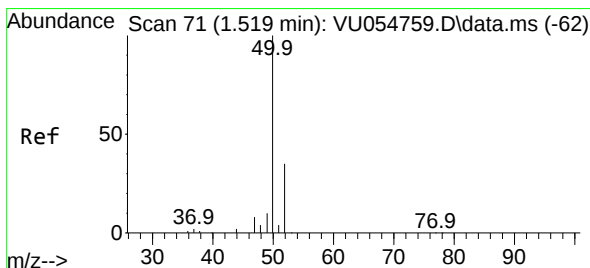
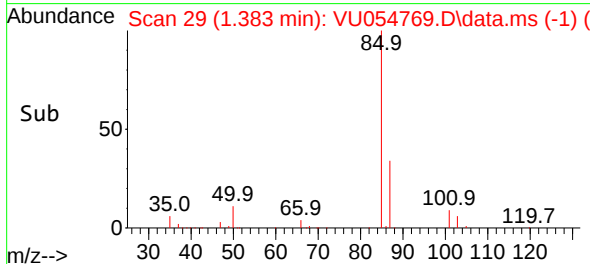
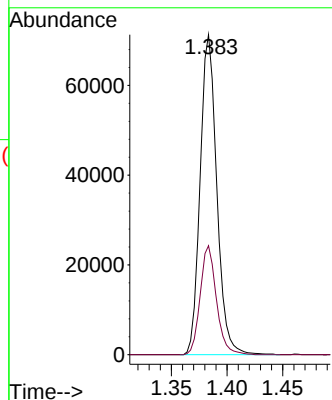
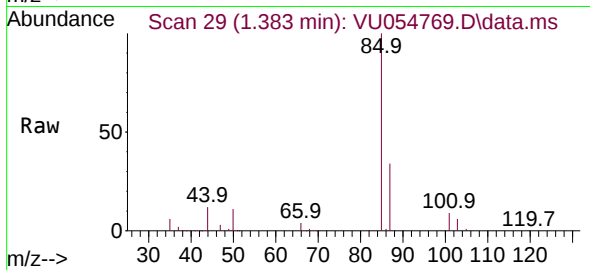
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.891 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054769.D
 Acq: 05 Jul 2023 15:00

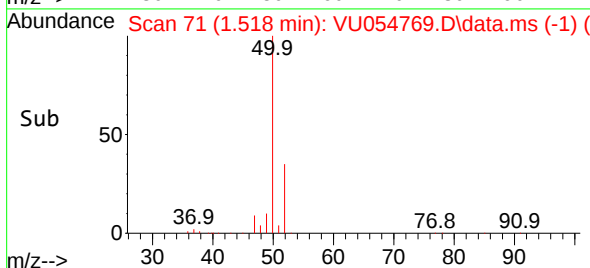
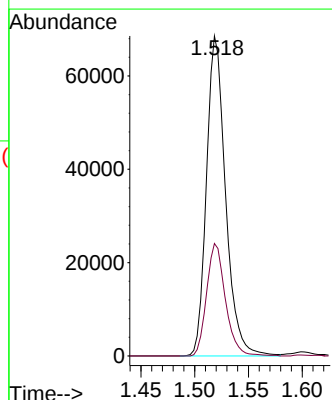
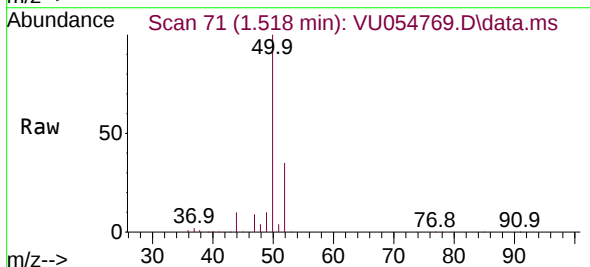
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005089

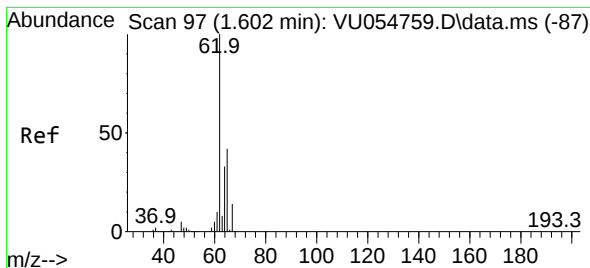
Tgt Ion: 85 Resp: 74219
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.4 38.2



#3
 Chloromethane
 Concen: 3.875 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054769.D
 Acq: 05 Jul 2023 15:00

Tgt Ion: 50 Resp: 84907
 Ion Ratio Lower Upper
 50 100
 52 35.2 23.4 43.4





#5

Vinyl chloride

Concen: 4.217 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

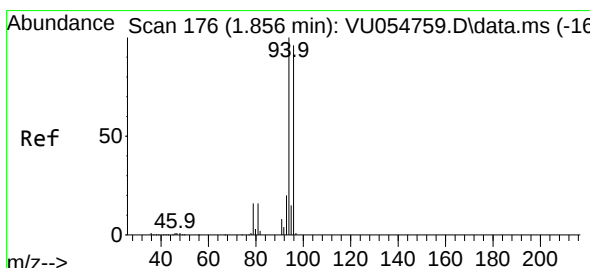
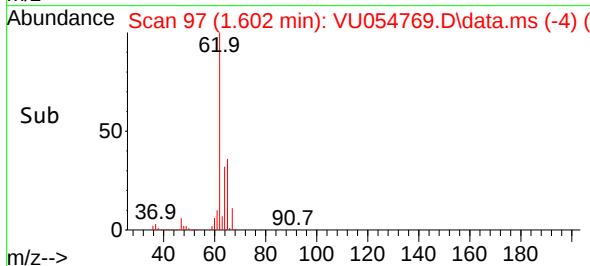
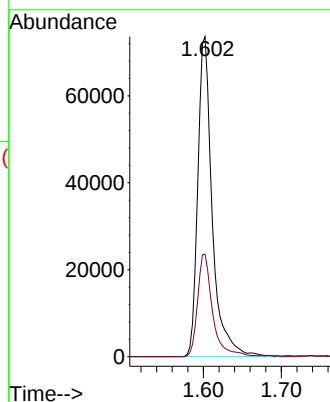
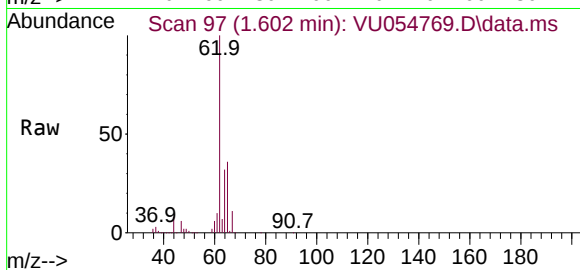
VSTD005089

Tgt Ion: 62 Resp: 94840

Ion Ratio Lower Upper

62 100

64 32.1 23.0 42.6



#6

Bromomethane

Concen: 4.415 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU054769.D

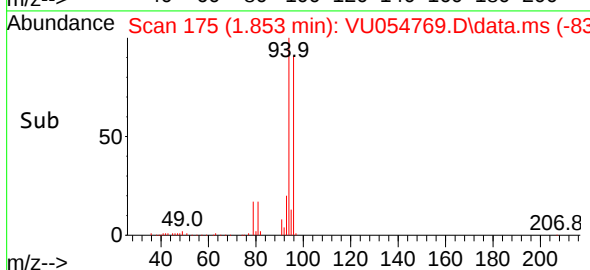
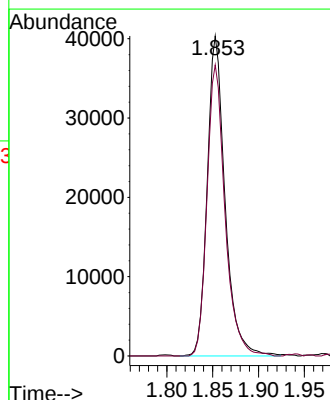
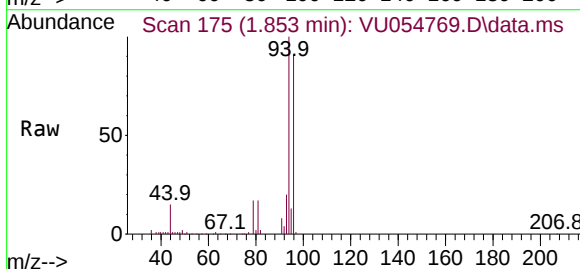
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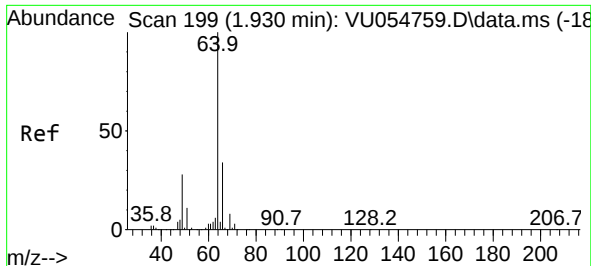
Tgt Ion: 94 Resp: 54586

Ion Ratio Lower Upper

94 100

96 91.0 63.6 118.2

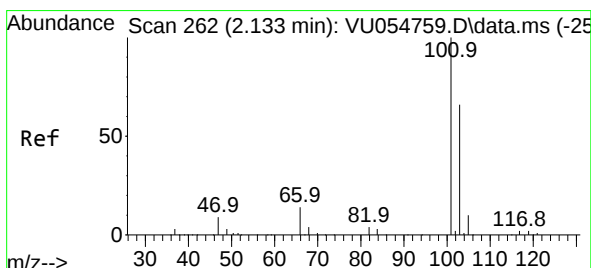
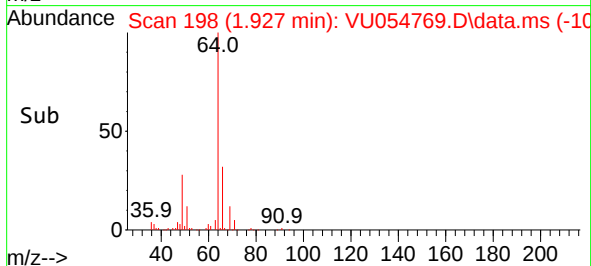
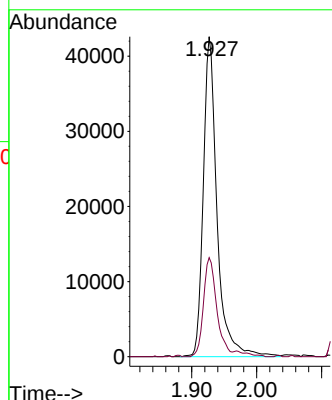
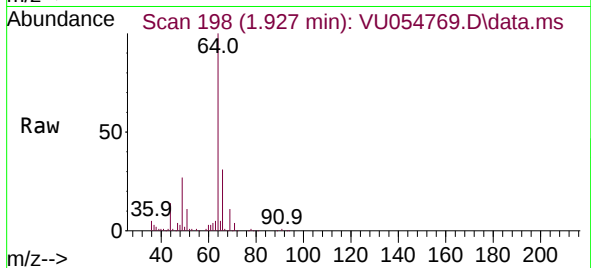




#8
Chloroethane
Concen: 4.647 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

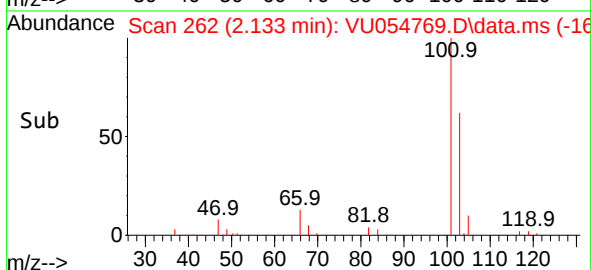
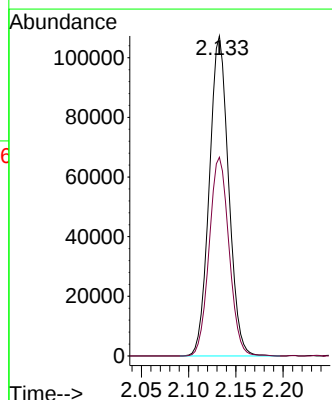
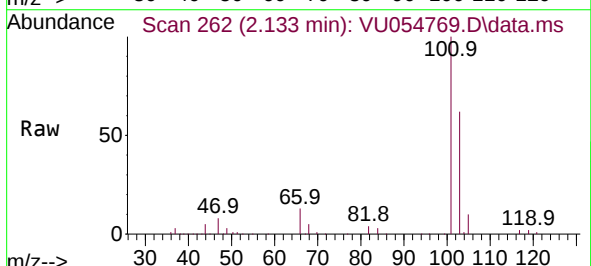
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

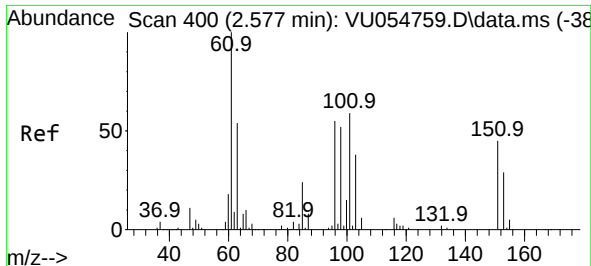
Tgt Ion: 64 Resp: 62644
Ion Ratio Lower Upper
64 100
66 31.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.507 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion:101 Resp: 152270
Ion Ratio Lower Upper
101 100
103 63.8 50.6 75.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.229 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005089

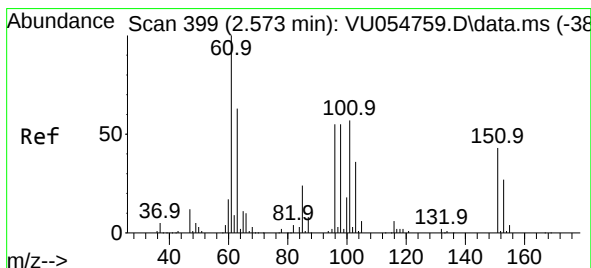
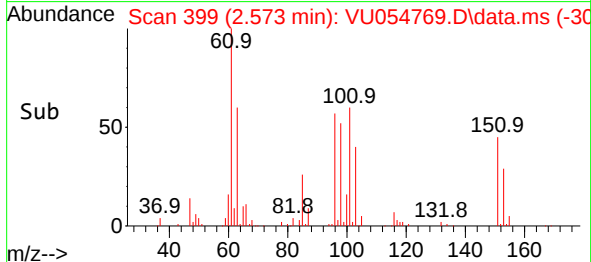
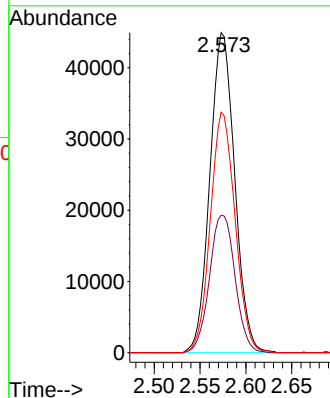
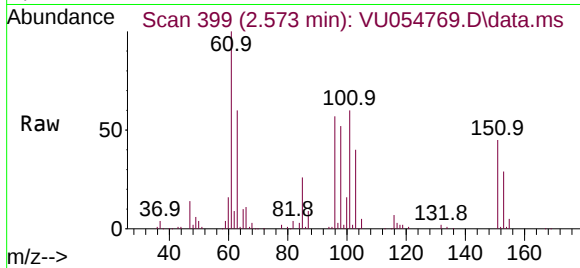
Tgt Ion:101 Resp: 84586

Ion Ratio Lower Upper

101 100

85 44.2 34.6 51.8

151 75.1 57.7 86.5



#12

1,1-Dichloroethene

Concen: 4.721 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

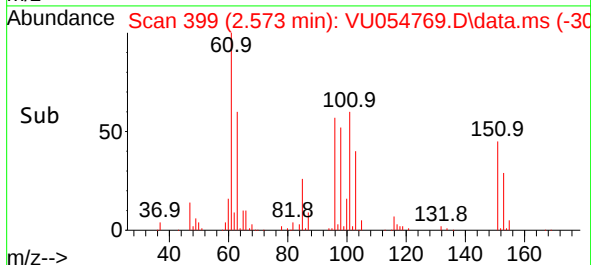
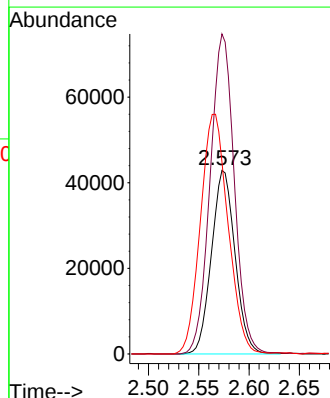
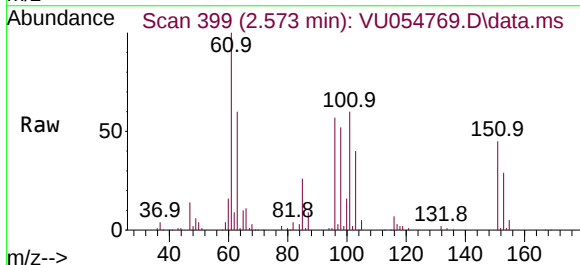
Tgt Ion: 96 Resp: 69907

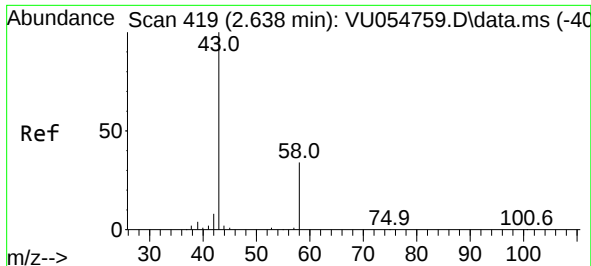
Ion Ratio Lower Upper

96 100

61 174.3 119.9 222.7

63 104.6 64.3 119.3





#13

Acetone

Concen: 54.600 ug/L

RT: 2.634 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

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ClientSampleId :

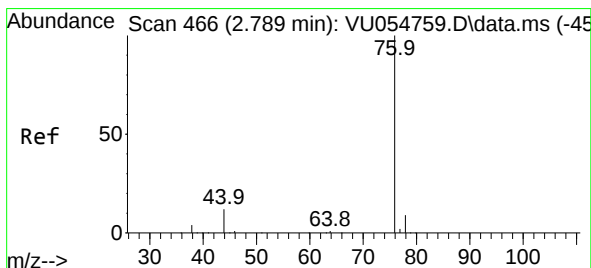
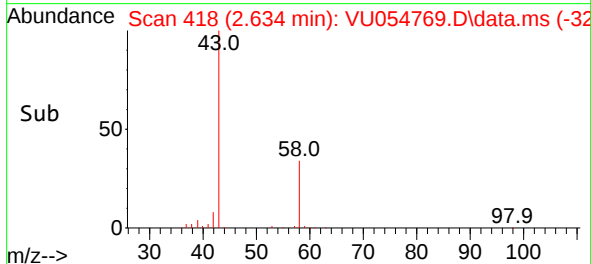
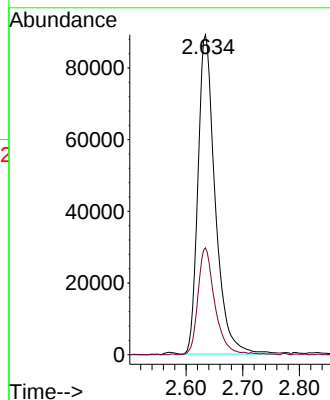
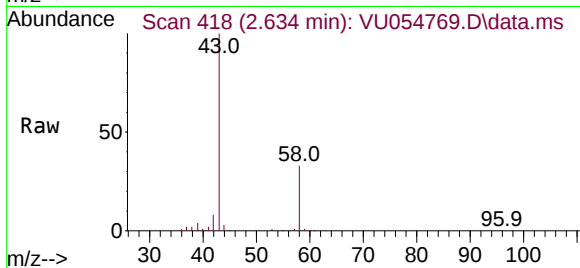
VSTD005089

Tgt Ion: 43 Resp: 188042

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.2



#14

Carbon disulfide

Concen: 3.547 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU054769.D

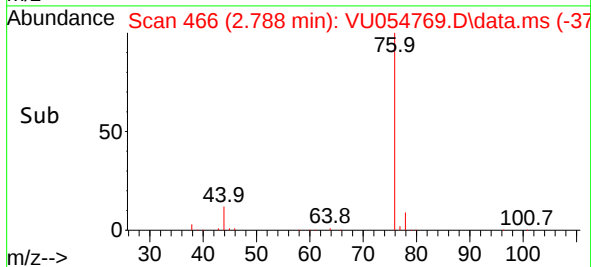
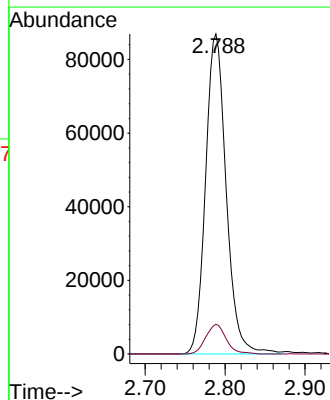
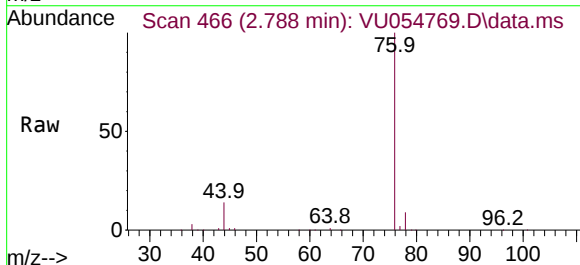
Acq: 05 Jul 2023 15:00

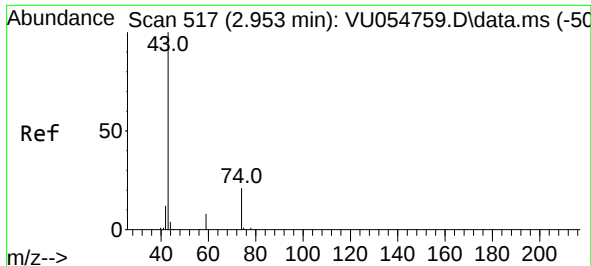
Tgt Ion: 76 Resp: 155728

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

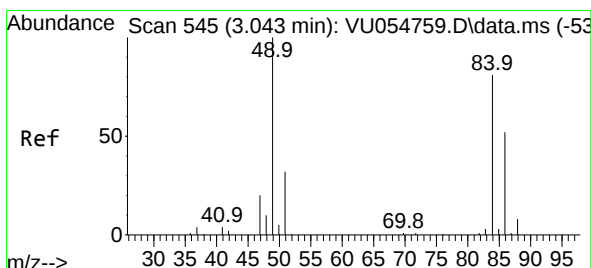
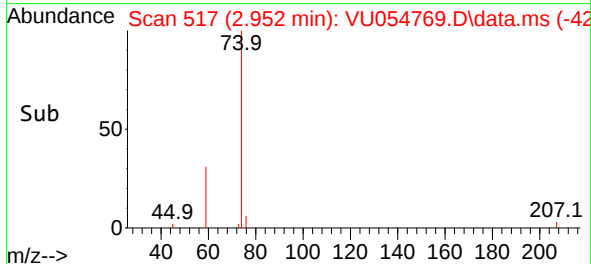
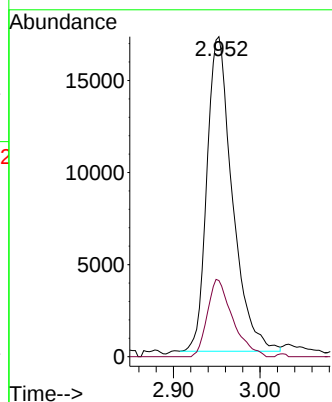
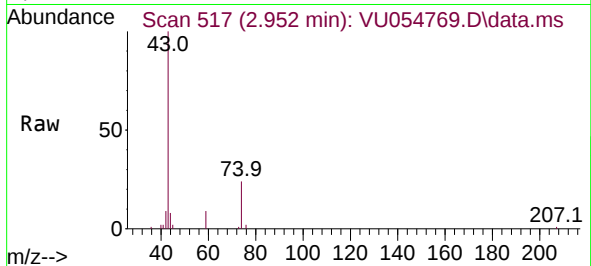




#15
Methyl Acetate
Concen: 5.458 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

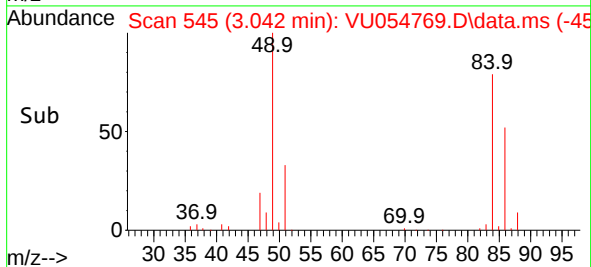
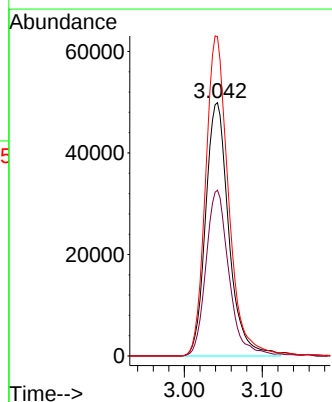
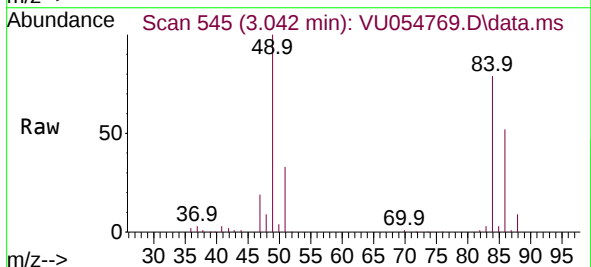
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

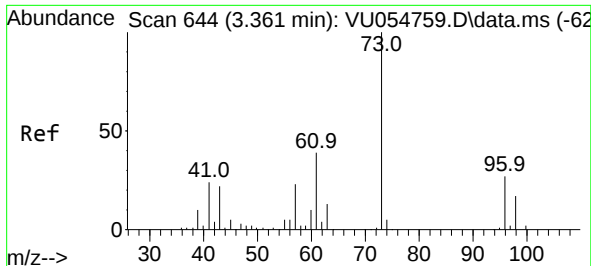
Tgt Ion: 43 Resp: 34836
Ion Ratio Lower Upper
43 100
74 24.3 19.0 28.6



#16
Methylene chloride
Concen: 4.969 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 84 Resp: 103450
Ion Ratio Lower Upper
84 100
86 65.5 43.9 81.5
49 126.1 86.1 159.9

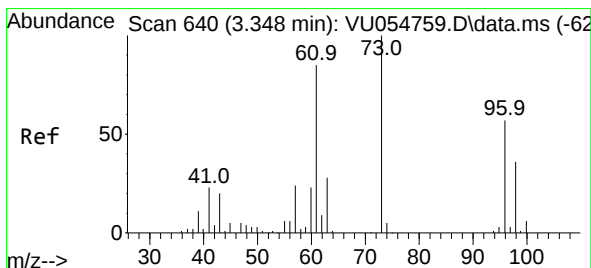
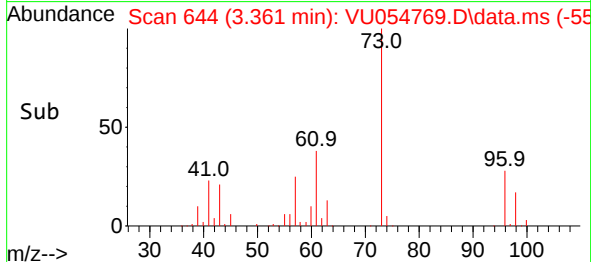
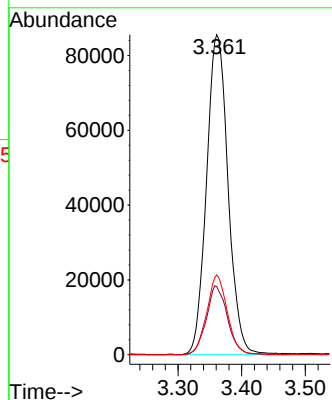
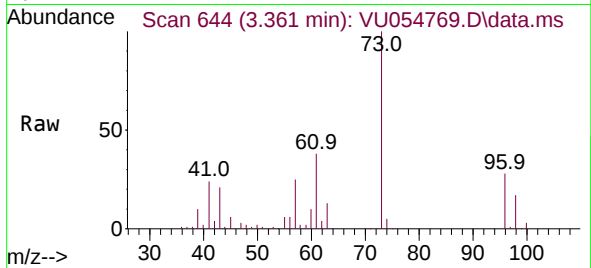




#17
Methyl tert-butyl Ether
Concen: 5.510 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

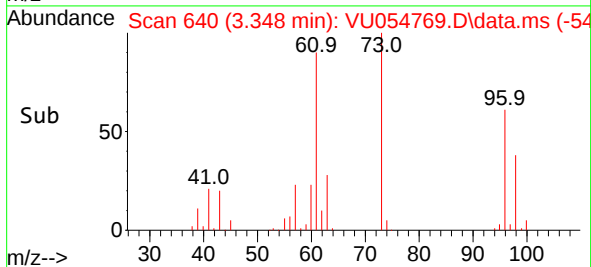
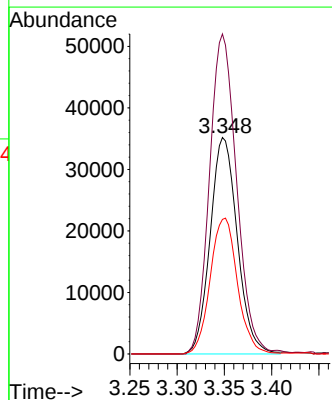
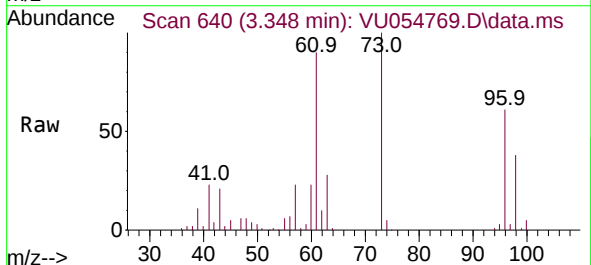
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

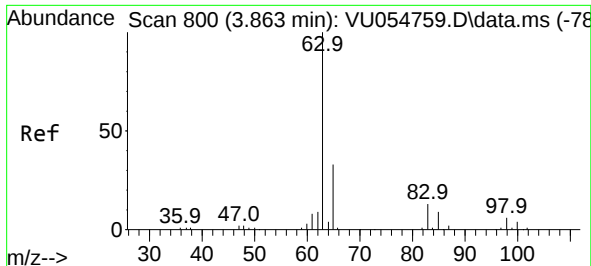
Tgt Ion: 73 Resp: 201377
Ion Ratio Lower Upper
73 100
43 21.1 15.7 23.5
57 23.8 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.598 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 96 Resp: 70287
Ion Ratio Lower Upper
96 100
61 147.8 104.6 194.2
98 62.1 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.240 ug/L

RT: 3.866 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005089

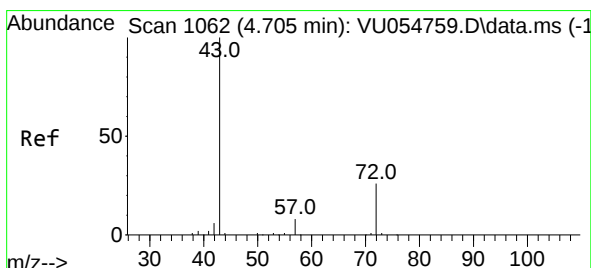
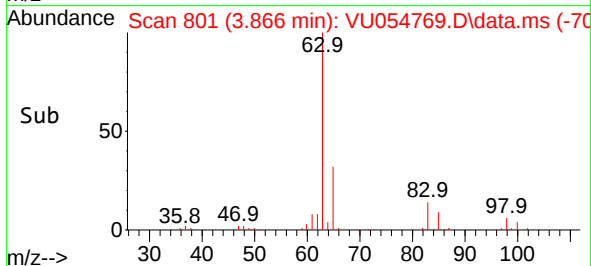
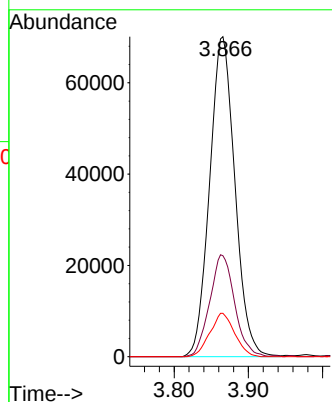
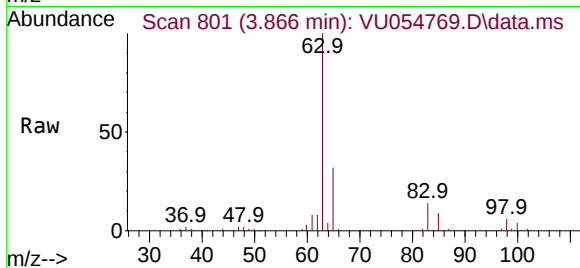
Tgt Ion: 63 Resp: 165777

Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 13.6 9.0 16.6



#21

2-Butanone

Concen: 56.167 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VU054769.D

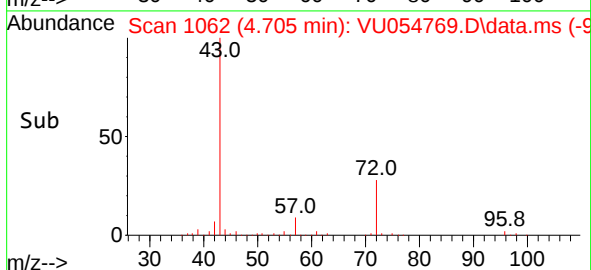
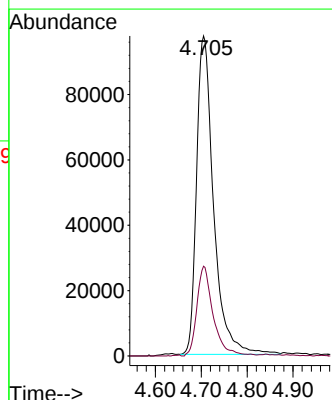
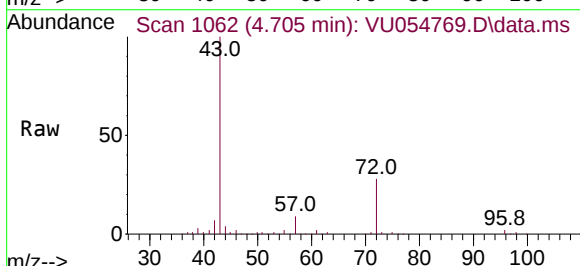
Acq: 05 Jul 2023 15:00

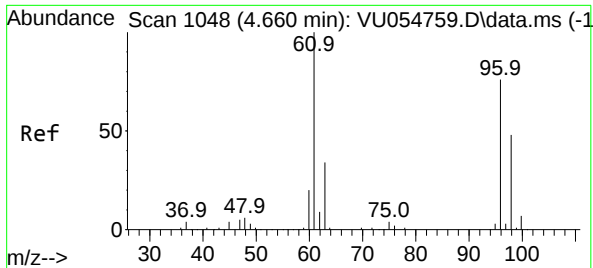
Tgt Ion: 43 Resp: 251050

Ion Ratio Lower Upper

43 100

72 26.8 13.4 40.1

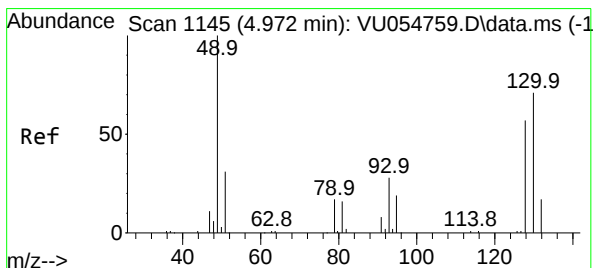
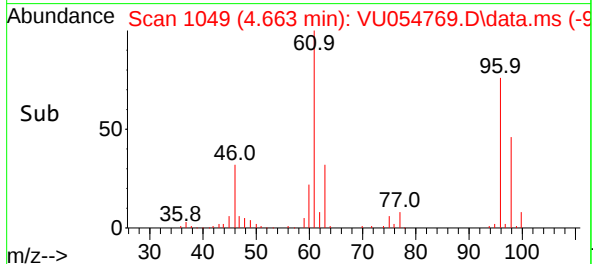
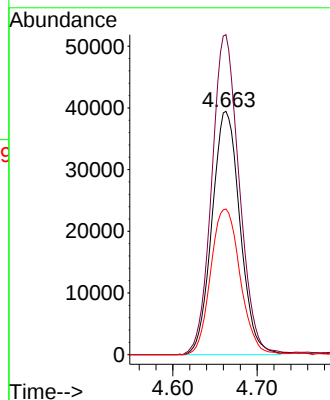
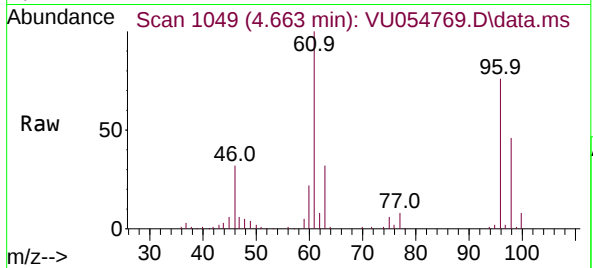




#22
 cis-1,2-Dichloroethene
 Concen: 5.224 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU054769.D
 Acq: 05 Jul 2023 15:00

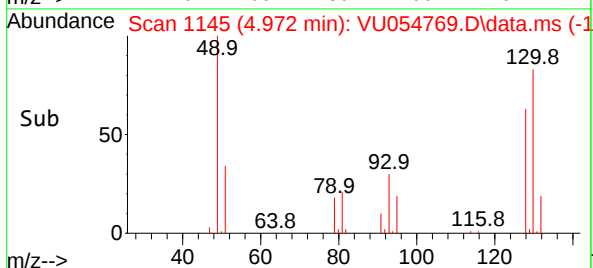
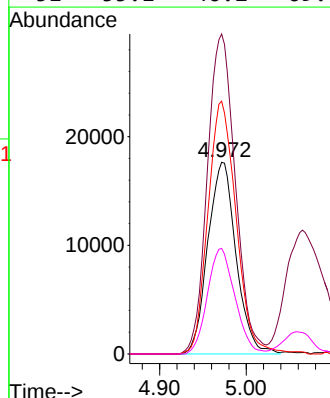
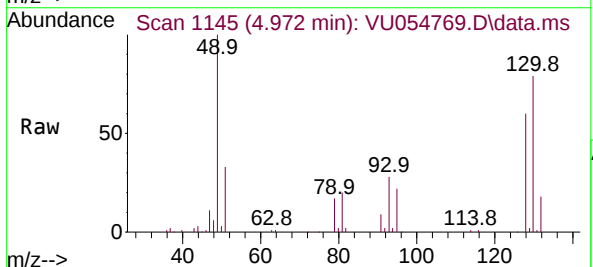
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005089

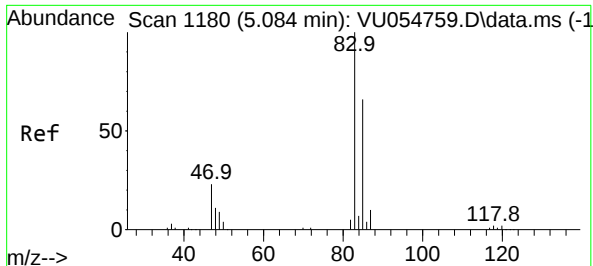
Tgt Ion: 96 Resp: 90950
 Ion Ratio Lower Upper
 96 100
 61 131.5 96.5 179.1
 98 59.9 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.520 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054769.D
 Acq: 05 Jul 2023 15:00

Tgt Ion: 128 Resp: 39984
 Ion Ratio Lower Upper
 128 100
 49 166.9 132.1 245.3
 130 131.8 91.5 169.9
 51 55.1 46.2 69.4





#25

Chloroform

Concen: 5.519 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

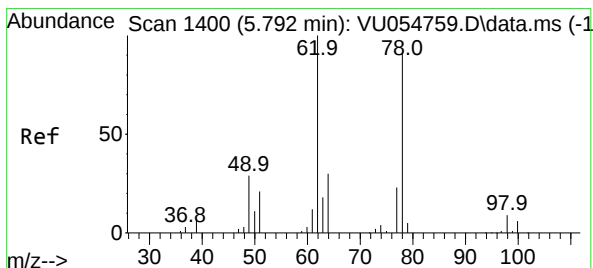
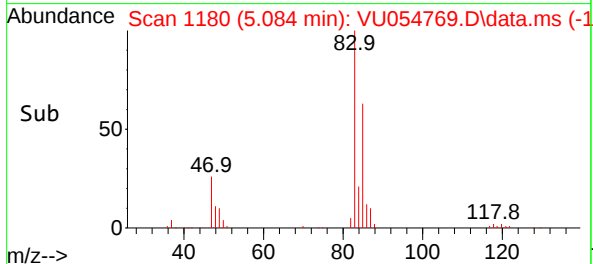
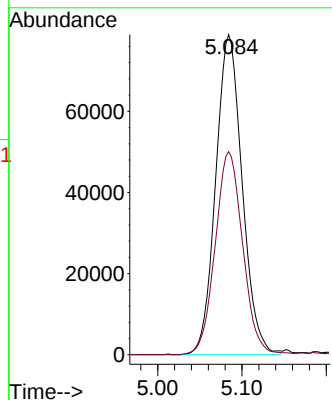
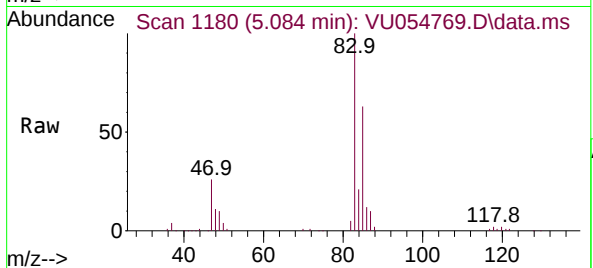
VSTD005089

Tgt Ion: 83 Resp: 172142

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.688 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU054769.D

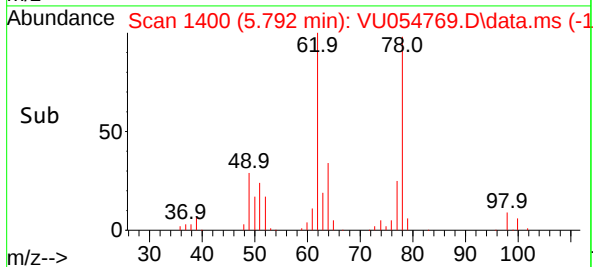
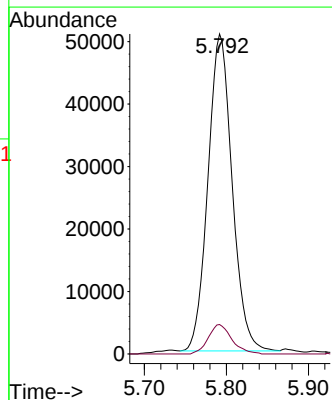
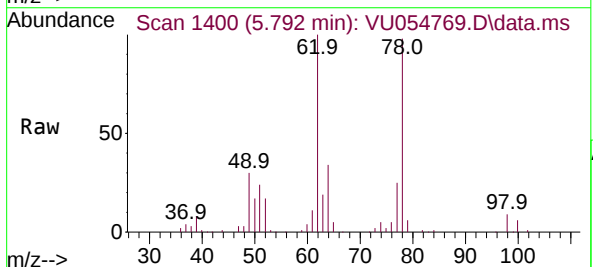
Acq: 05 Jul 2023 15:00

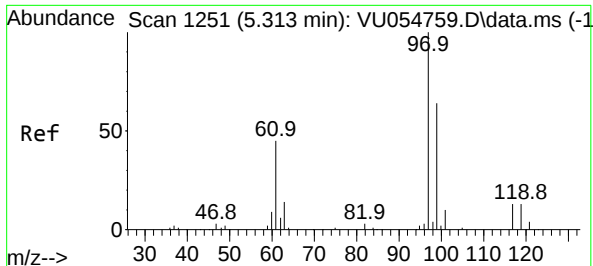
Tgt Ion: 62 Resp: 103979

Ion Ratio Lower Upper

62 100

98 9.2 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.518 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005089

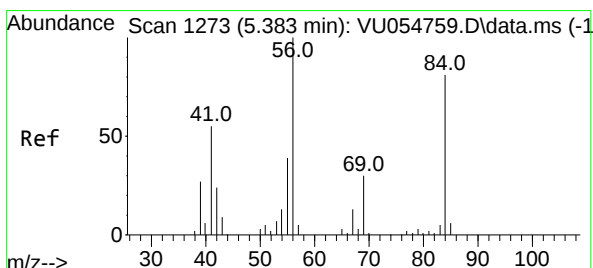
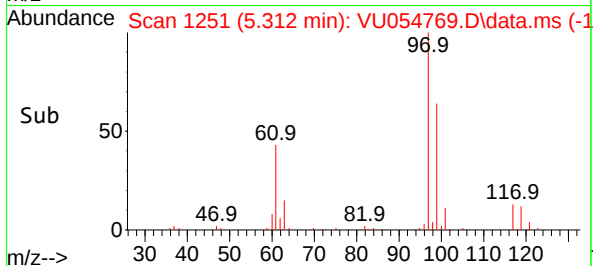
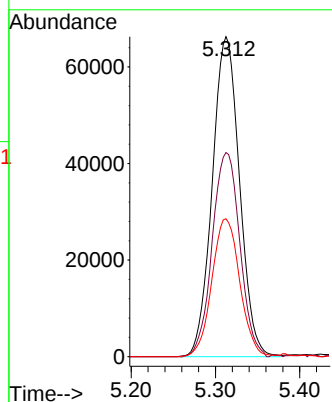
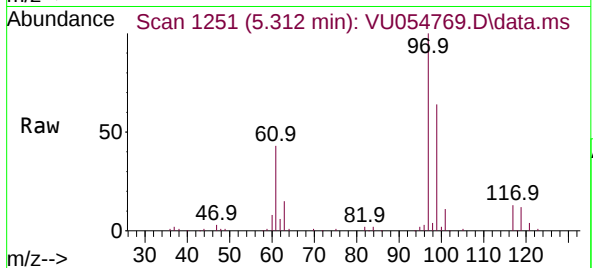
Tgt Ion: 97 Resp: 148964

Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

61 44.2 36.1 54.1



#30

Cyclohexane

Concen: 3.849 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

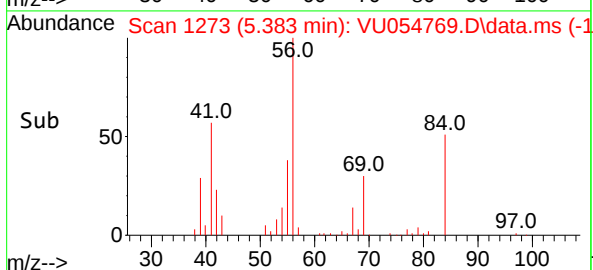
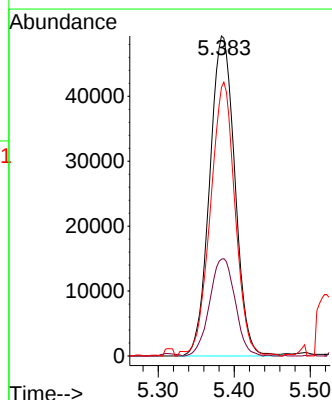
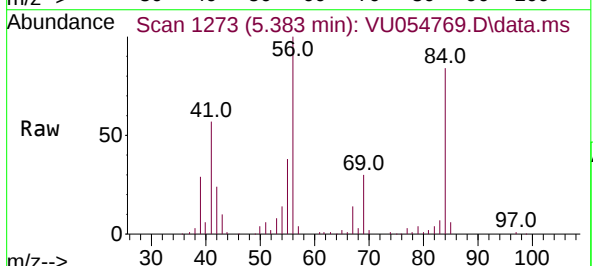
Tgt Ion: 56 Resp: 113183

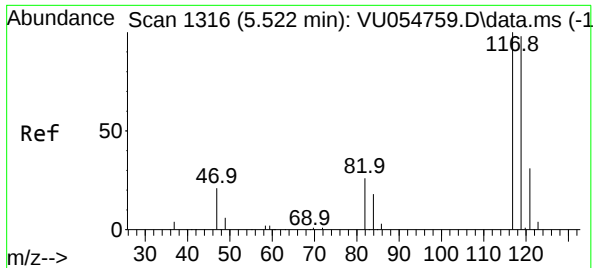
Ion Ratio Lower Upper

56 100

69 30.8 23.9 35.9

84 83.7 63.0 94.6

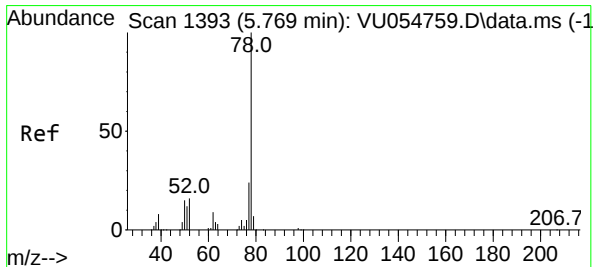
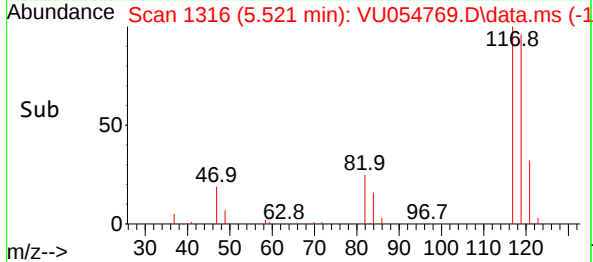
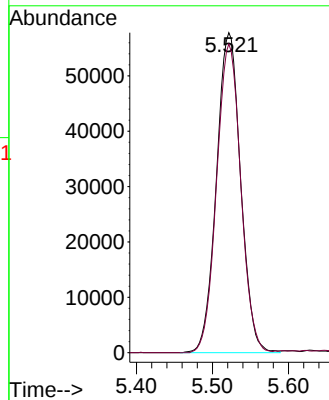
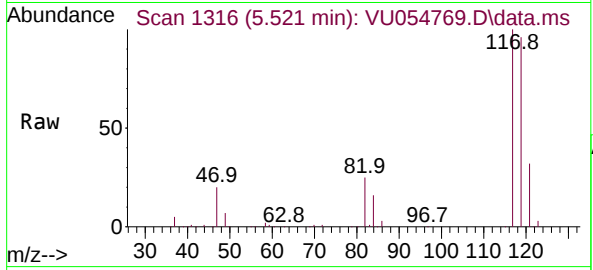




#31
Carbon tetrachloride
Concen: 5.499 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

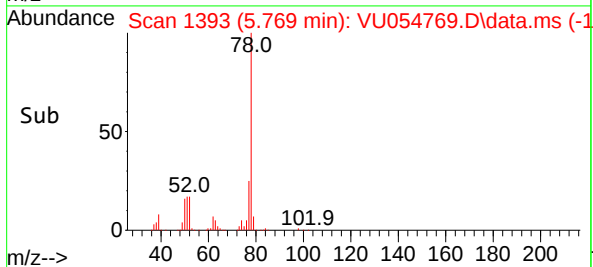
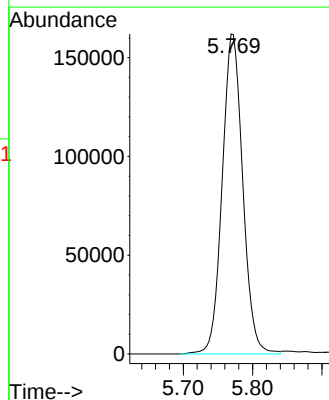
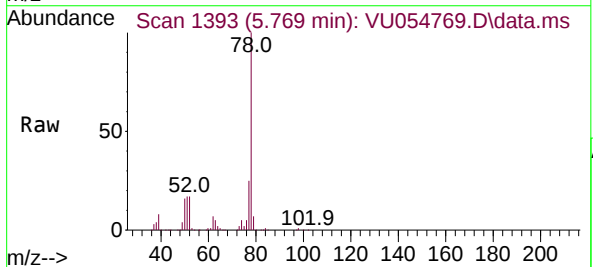
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

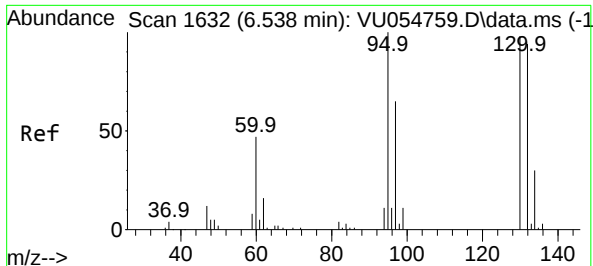
Tgt Ion:117 Resp: 127920
Ion Ratio Lower Upper
117 100
119 96.1 76.8 115.2



#33
Benzene
Concen: 4.671 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 78 Resp: 334181



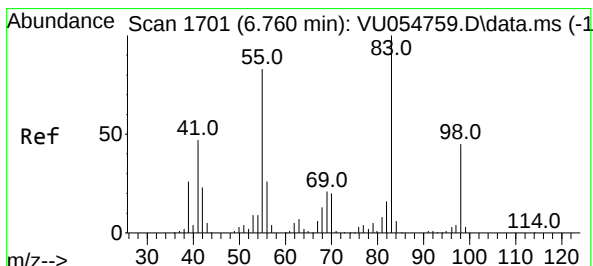
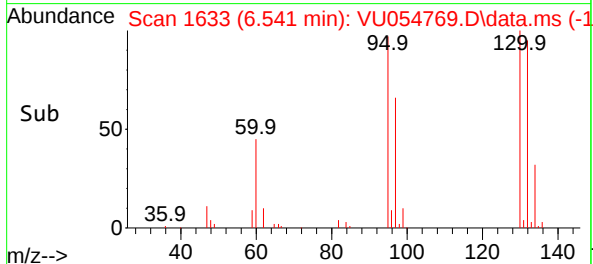
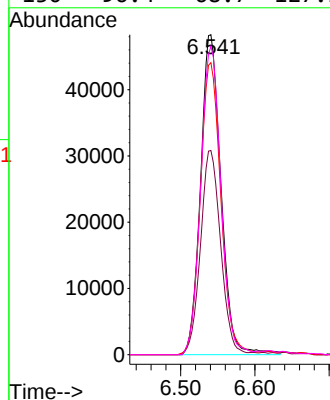
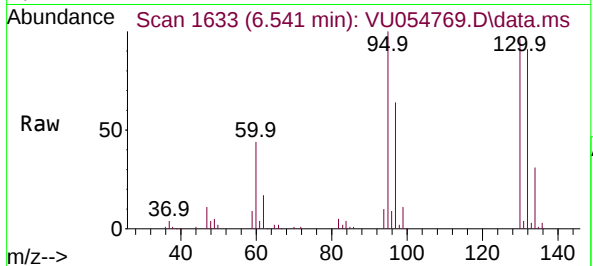


#34
Trichloroethene
Concen: 4.891 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

Tgt Ion: 95 Resp: 92529

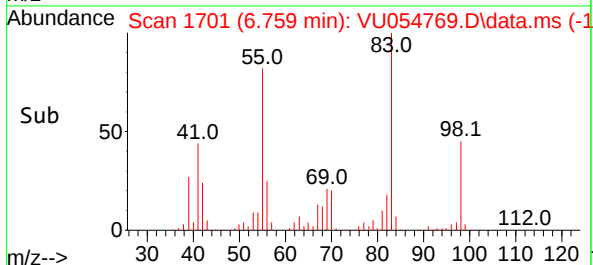
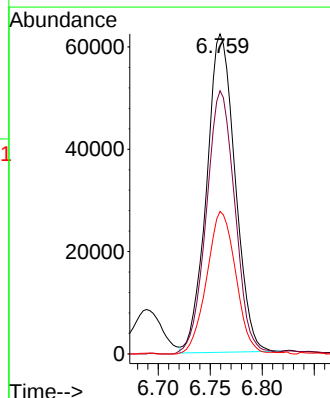
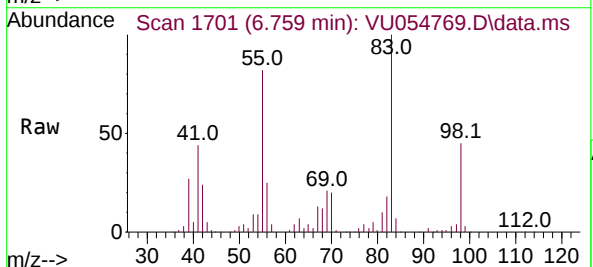
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.8	87.0
132	91.3	68.4	127.0
130	96.4	68.7	127.5

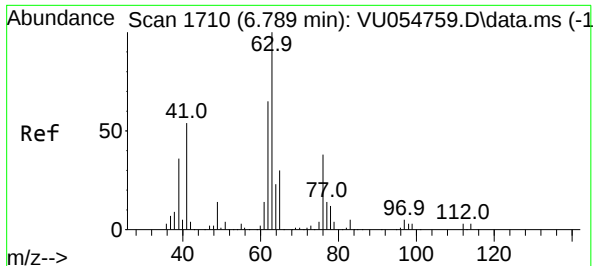


#35
Methylcyclohexane
Concen: 4.154 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 83 Resp: 118781

Ion	Ratio	Lower	Upper
83	100		
55	83.2	67.1	100.7
98	45.6	35.1	52.7





#37

1,2-Dichloropropane

Concen: 4.843 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

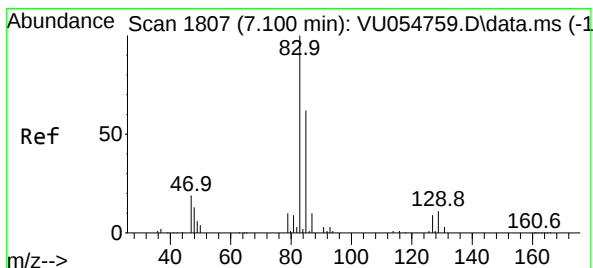
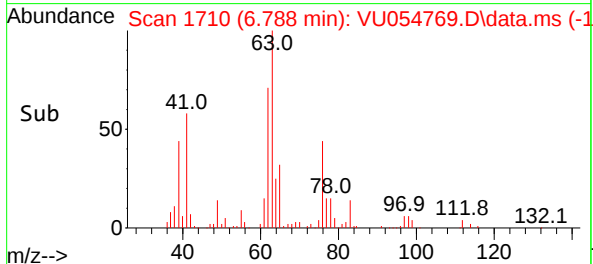
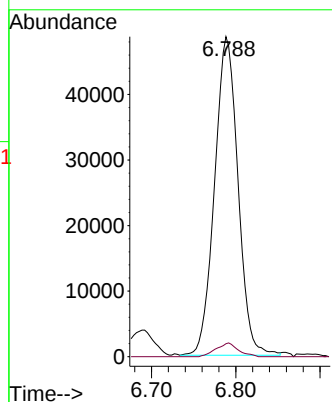
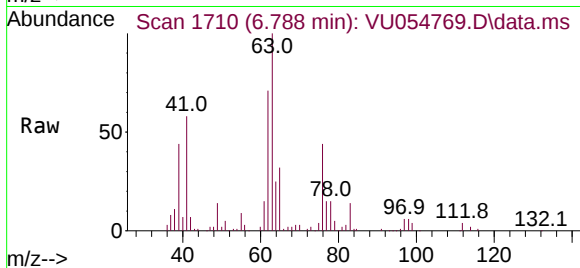
VSTD005089

Tgt Ion: 63 Resp: 93700

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#38

Bromodichloromethane

Concen: 5.605 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

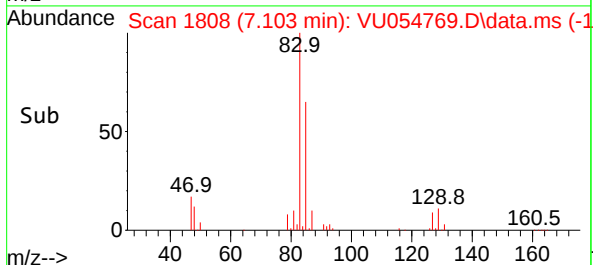
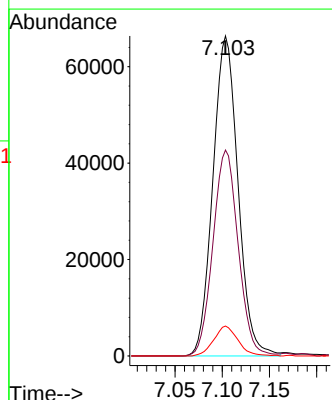
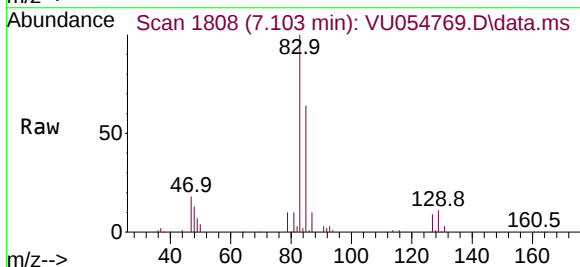
Tgt Ion: 83 Resp: 122733

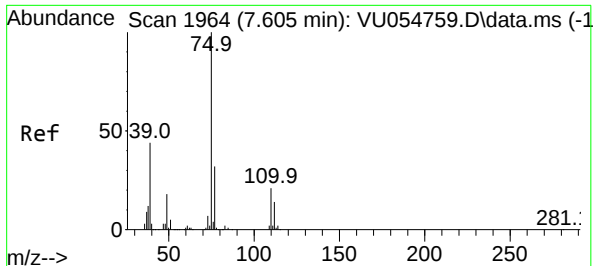
Ion Ratio Lower Upper

83 100

85 64.4 44.1 81.9

127 9.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.197 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

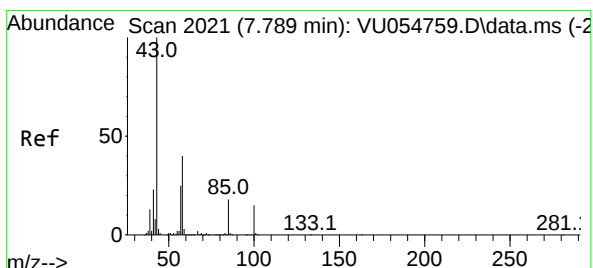
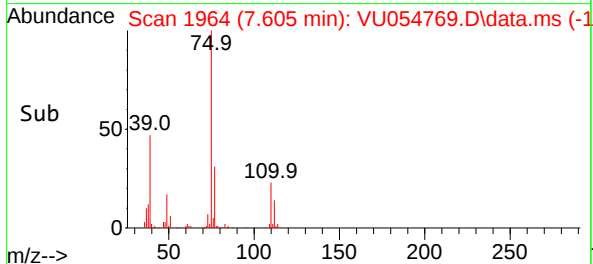
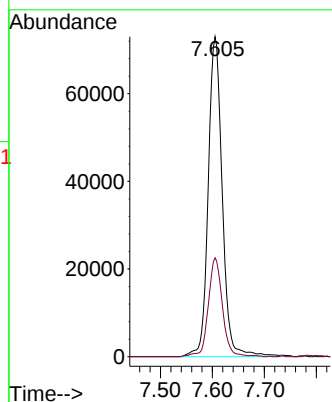
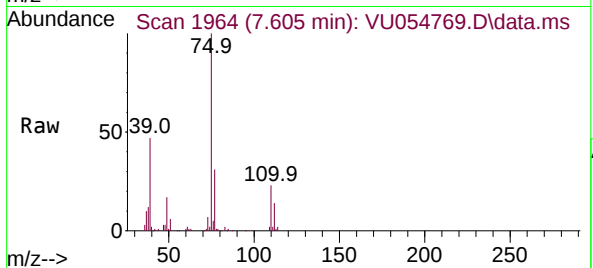
VSTD005089

Tgt Ion: 75 Resp: 137272

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 54.858 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

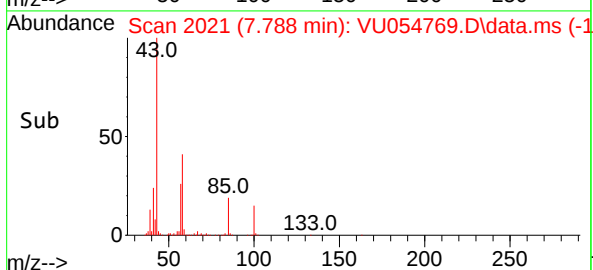
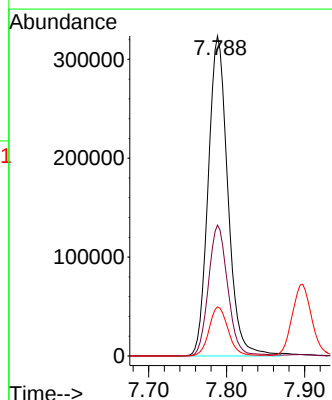
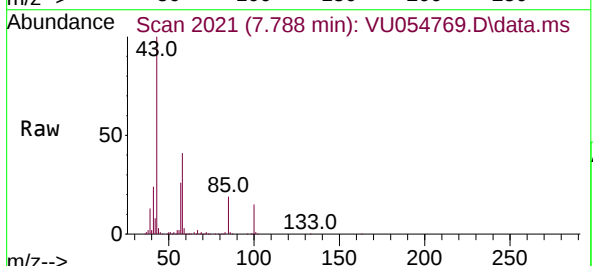
Tgt Ion: 43 Resp: 566340

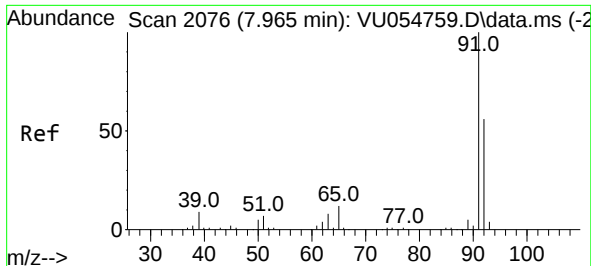
Ion Ratio Lower Upper

43 100

58 40.5 32.4 48.6

100 15.0 11.4 17.2





#42

Toluene

Concen: 5.068 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

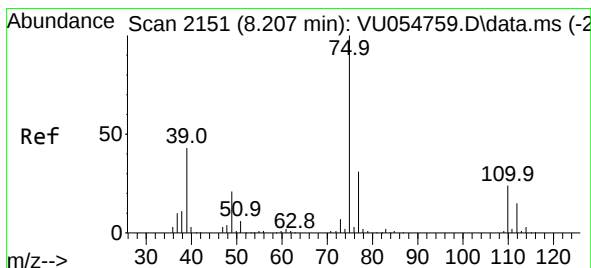
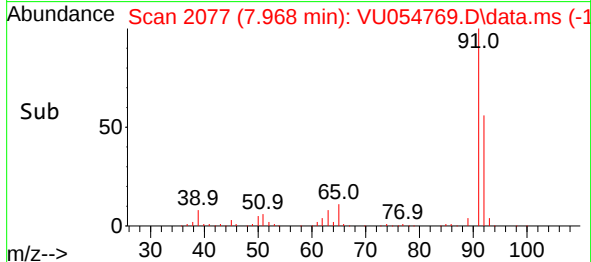
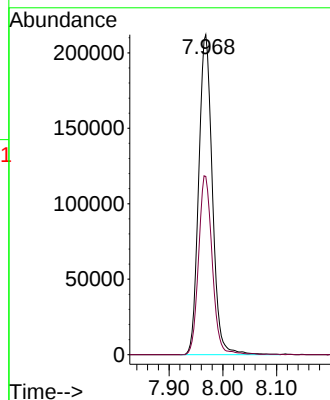
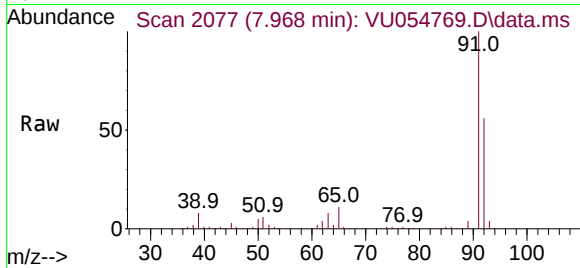
VSTD005089

Tgt Ion: 91 Resp: 373438

Ion Ratio Lower Upper

91 100

92 55.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.550 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054769.D

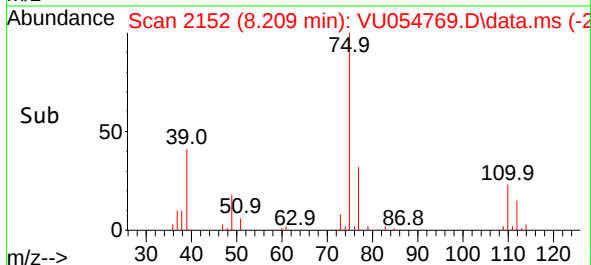
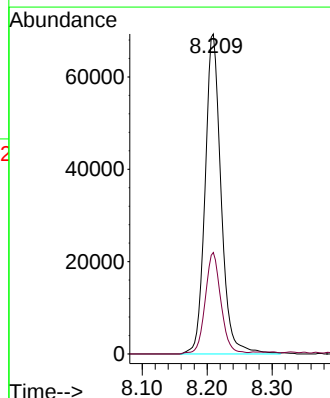
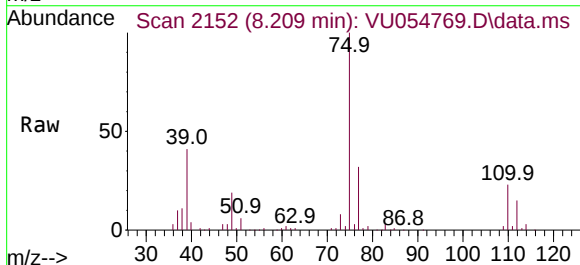
Acq: 05 Jul 2023 15:00

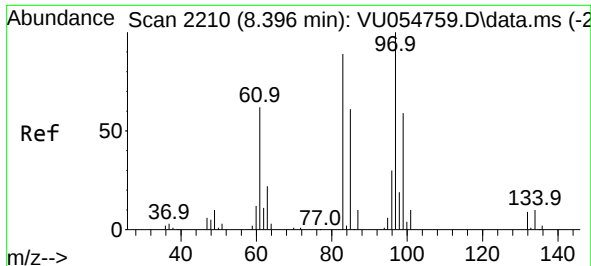
Tgt Ion: 75 Resp: 118961

Ion Ratio Lower Upper

75 100

77 31.7 21.3 39.6



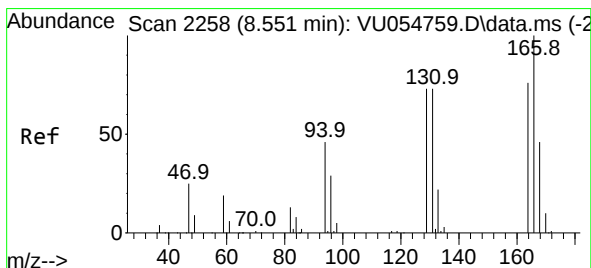
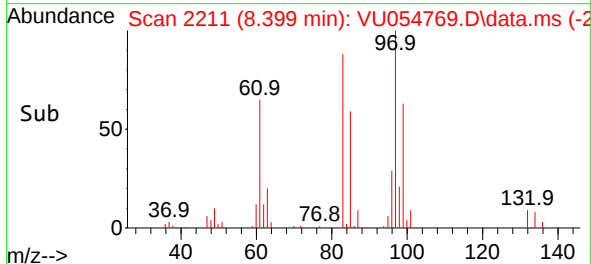
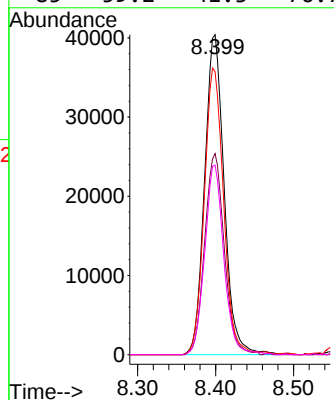
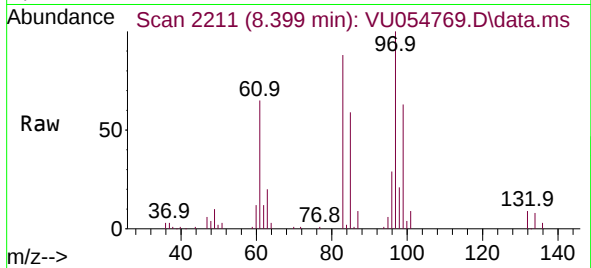


#45
1,1,2-Trichloroethane
Concen: 5.717 ug/L
RT: 8.399 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

Tgt Ion: 97 Resp: 70358

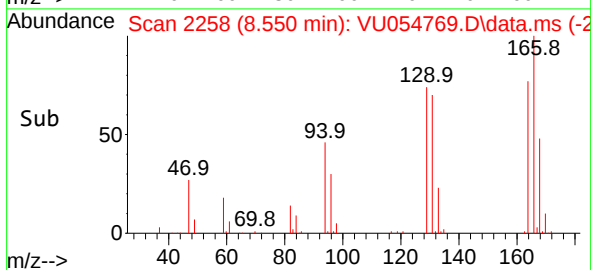
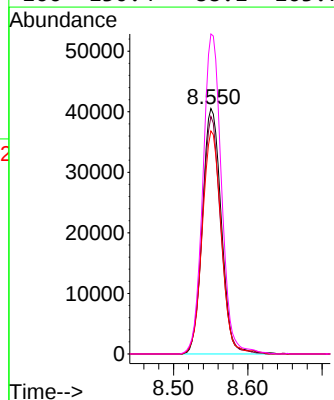
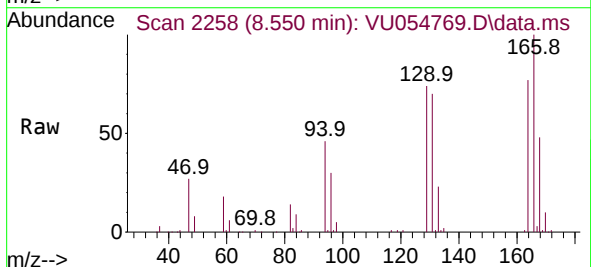
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.0	80.0
83	88.5	63.8	118.6
85	59.2	41.3	76.7

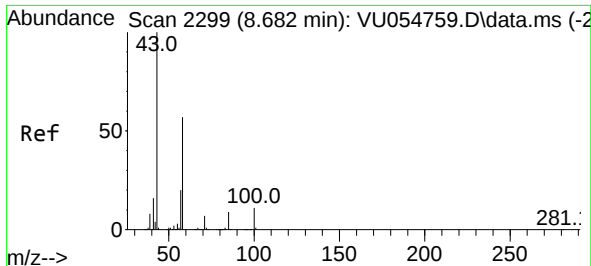


#47
Tetrachloroethene
Concen: 4.930 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 164 Resp: 71398

Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.7	125.7
131	90.9	64.6	120.0
166	130.4	88.1	163.7



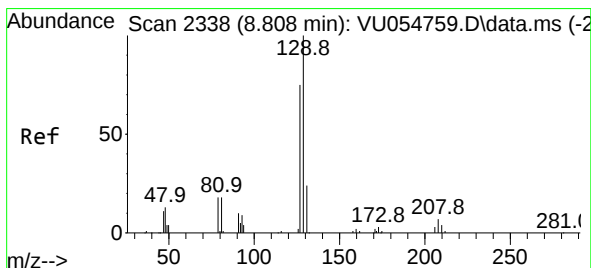
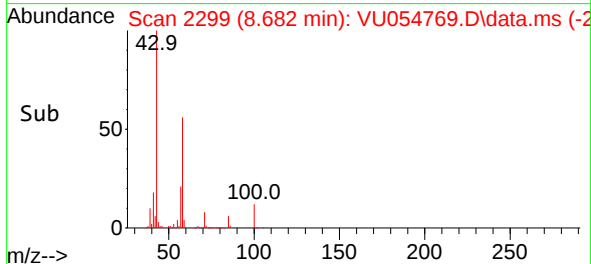
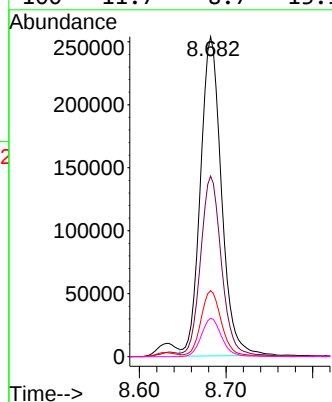
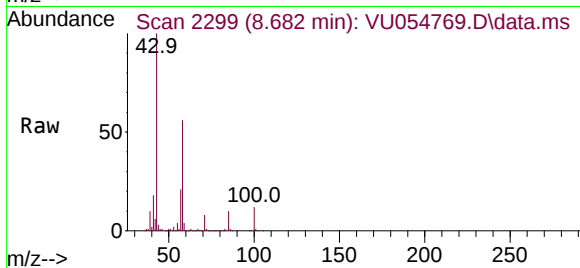


#48
2-Hexanone
Concen: 55.589 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

Tgt Ion: 43 Resp: 427610

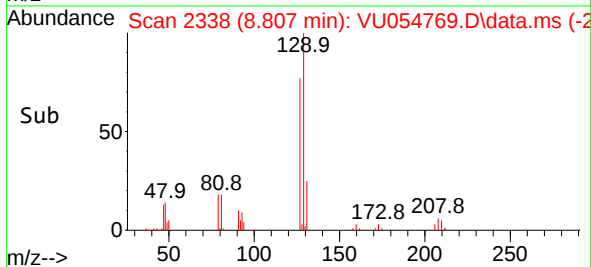
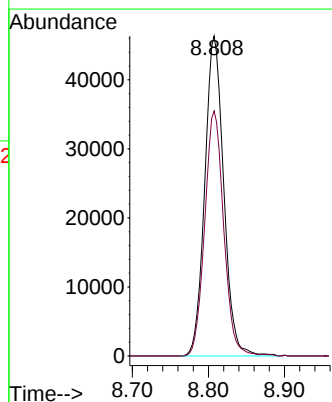
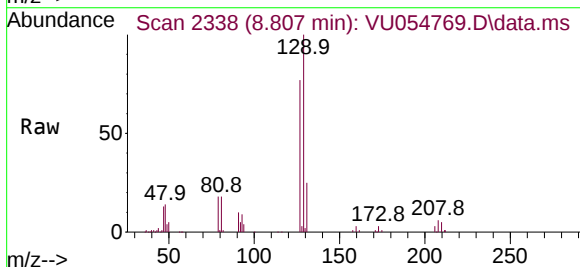
Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.2	67.8
57	20.3	15.8	23.6
100	11.7	8.7	13.1

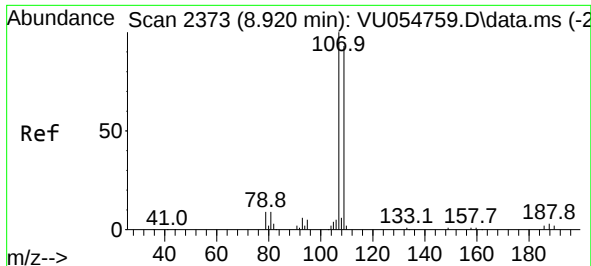


#49
Dibromochloromethane
Concen: 6.209 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 129 Resp: 80230

Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.553 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005089

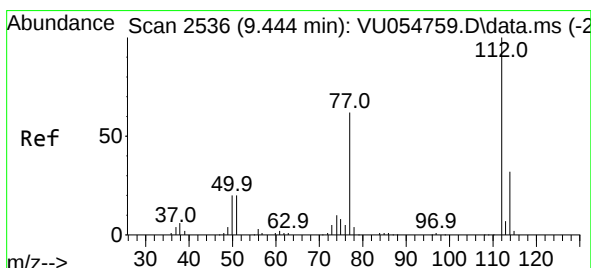
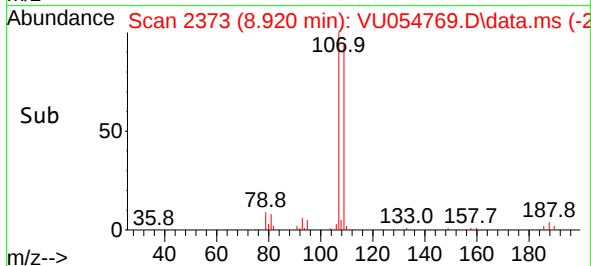
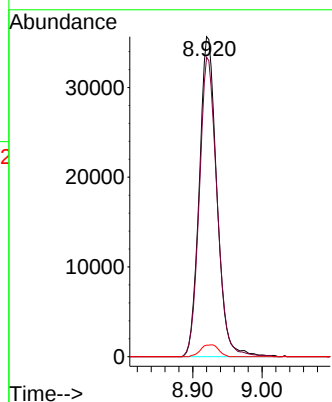
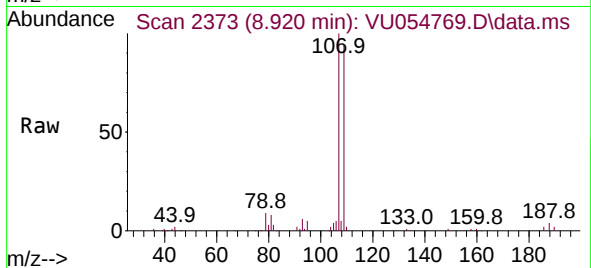
Tgt Ion:107 Resp: 62738

Ion Ratio Lower Upper

107 100

109 93.6 66.6 123.6

188 3.6 3.1 4.7



#51

Chlorobenzene

Concen: 5.180 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

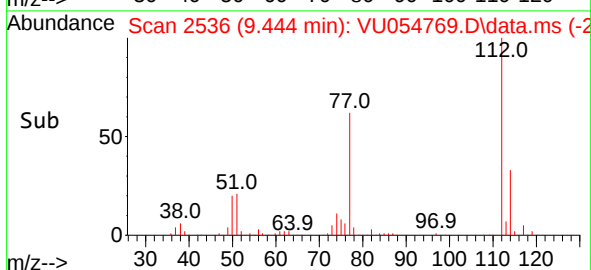
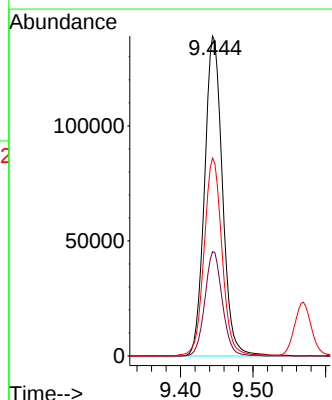
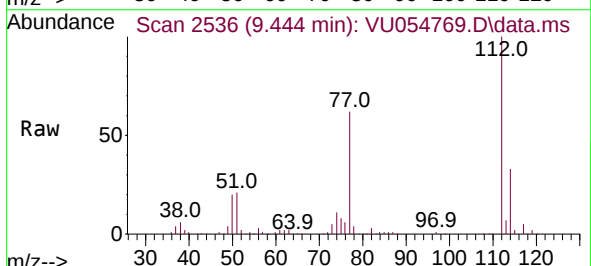
Tgt Ion:112 Resp: 237896

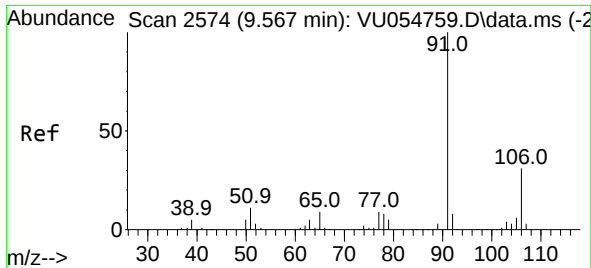
Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.1

77 61.9 49.8 74.8

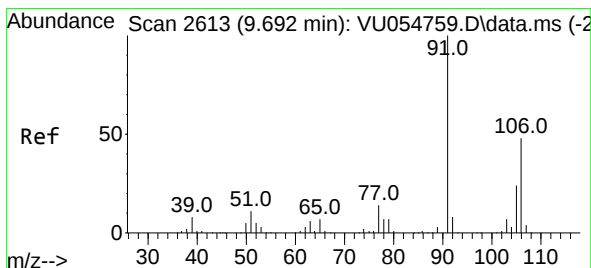
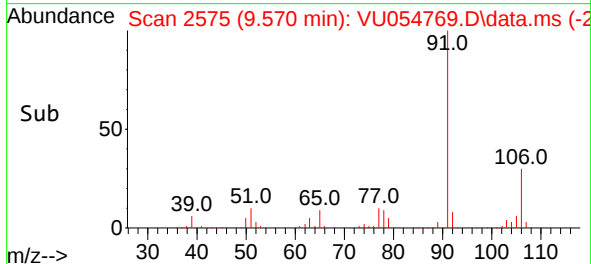
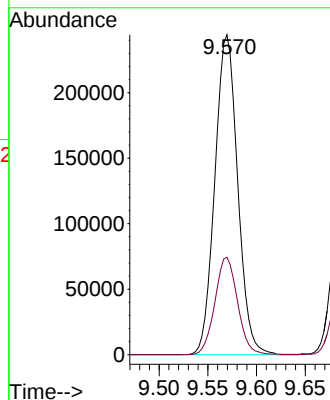
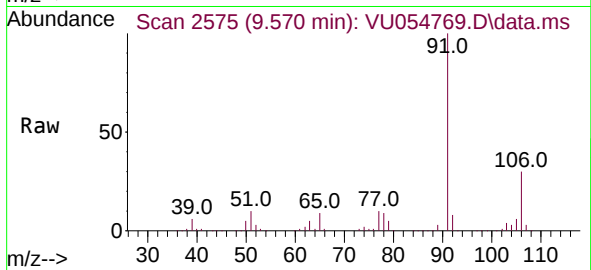




#52
Ethylbenzene
Concen: 4.937 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

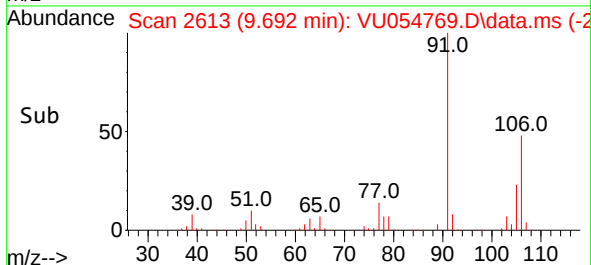
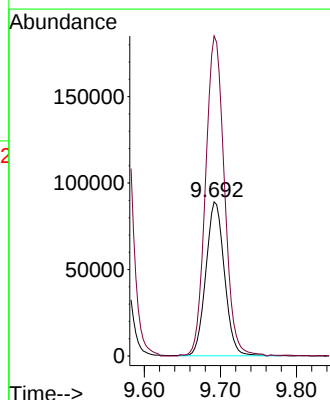
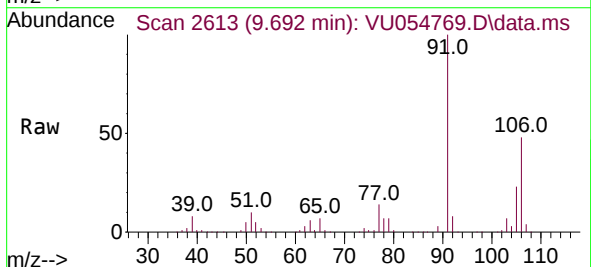
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

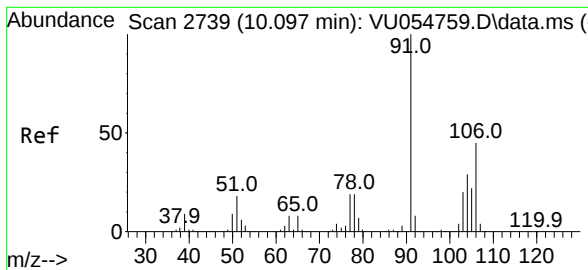
Tgt Ion: 91 Resp: 397282
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 5.103 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 106 Resp: 150863
Ion Ratio Lower Upper
106 100
91 207.7 147.0 273.0

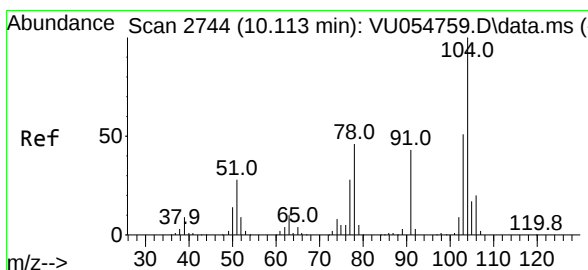
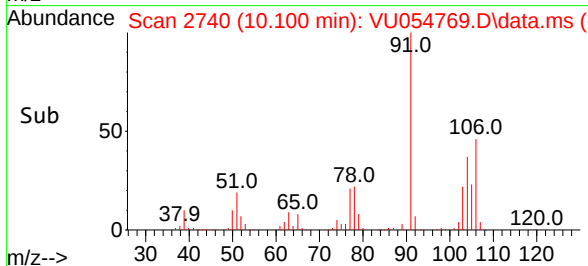
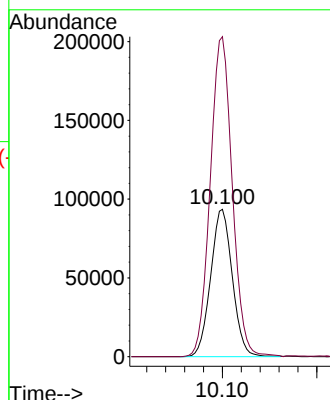
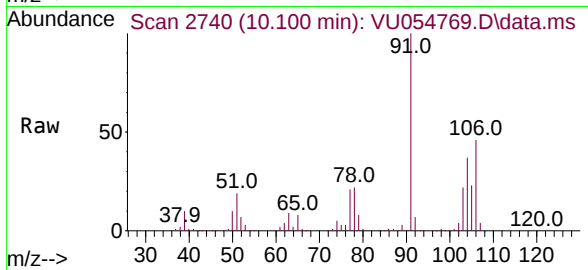




#54
o-Xylene
Concen: 5.213 ug/L
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

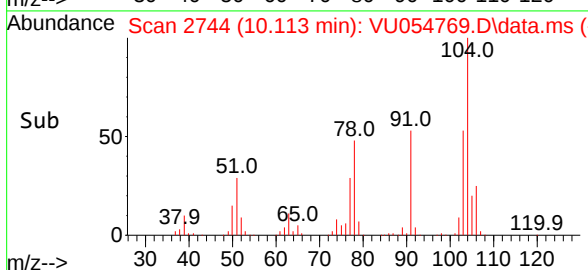
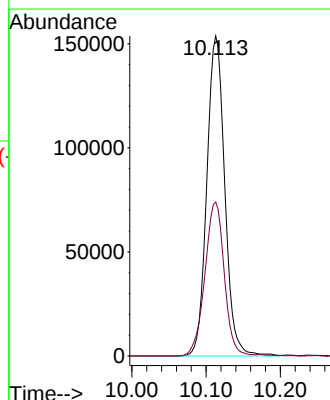
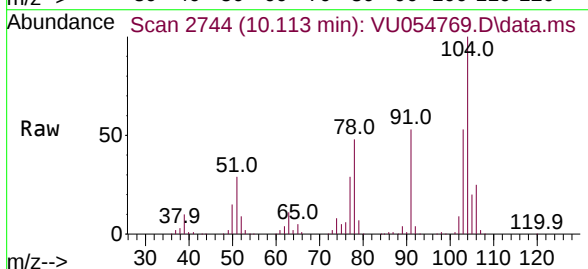
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

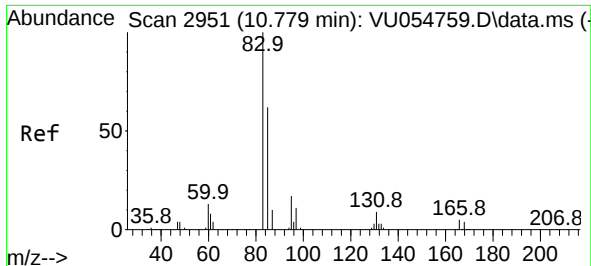
Tgt Ion:106 Resp: 149011
Ion Ratio Lower Upper
106 100
91 217.1 154.5 286.9



#55
Styrene
Concen: 5.375 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion:104 Resp: 257920
Ion Ratio Lower Upper
104 100
78 48.1 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.621 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005089

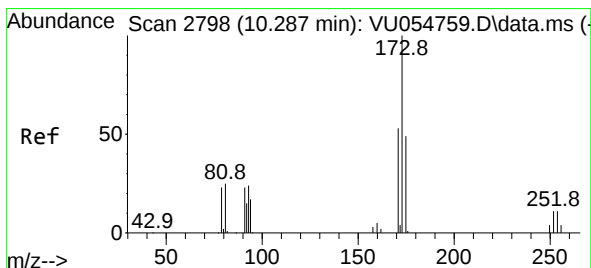
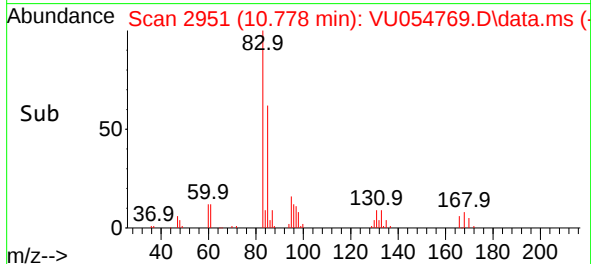
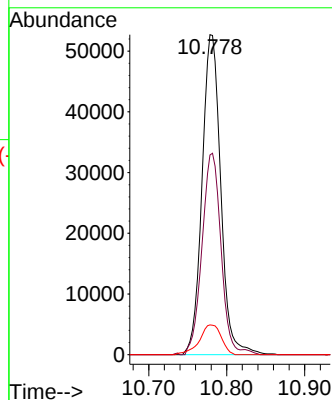
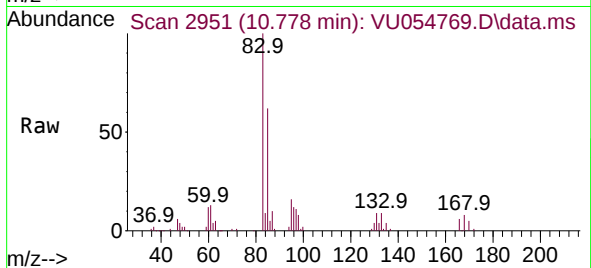
Tgt Ion: 83 Resp: 87862

Ion Ratio Lower Upper

83 100

85 62.4 44.2 82.2

131 9.3 7.0 10.6



#59

Bromoform

Concen: 6.221 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

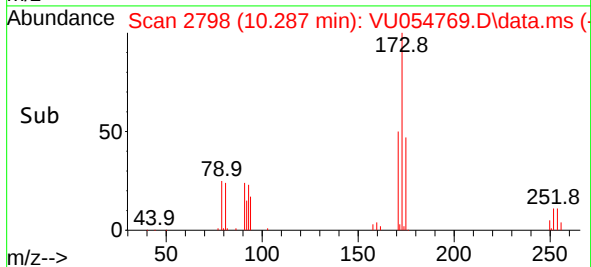
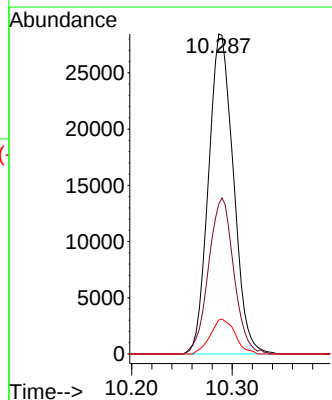
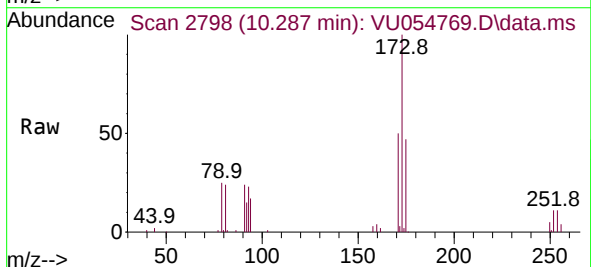
Tgt Ion: 173 Resp: 48988

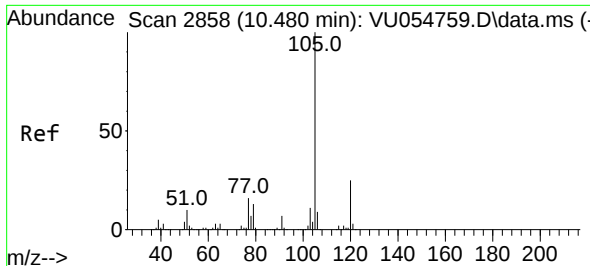
Ion Ratio Lower Upper

173 100

175 49.5 39.4 59.0

254 10.8 8.6 12.8

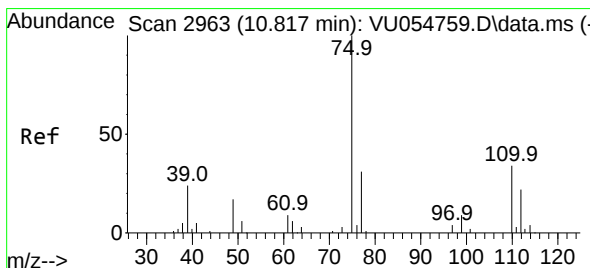
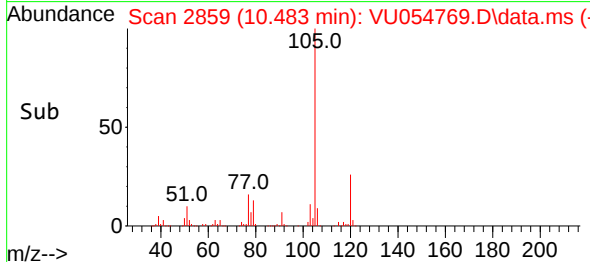
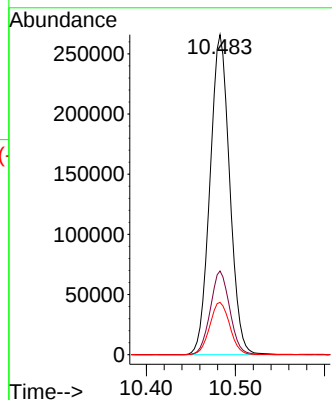
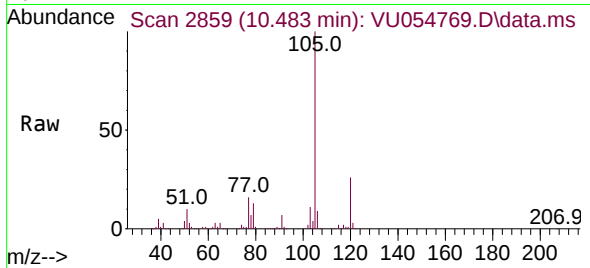




#60
Isopropylbenzene
Concen: 5.077 ug/L
RT: 10.483 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

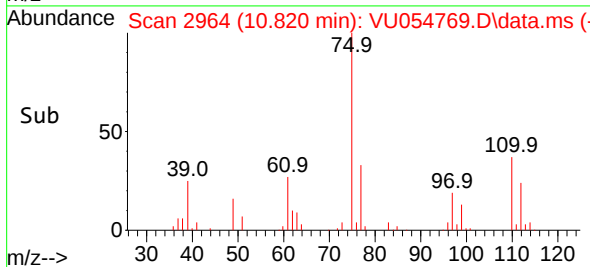
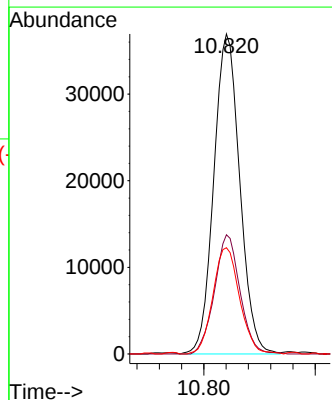
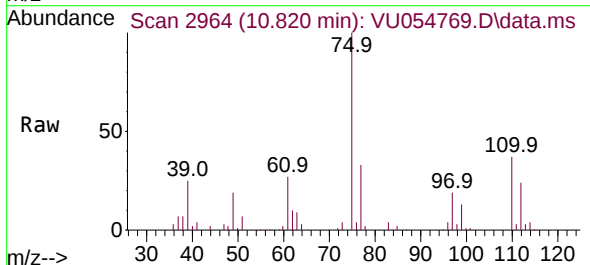
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

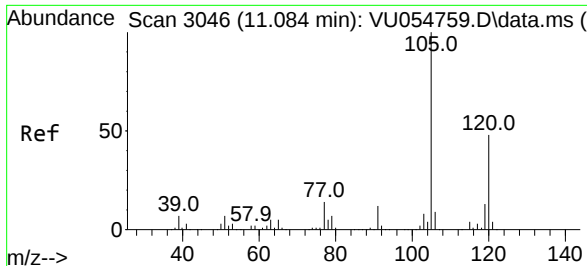
Tgt Ion:105 Resp: 407360
Ion Ratio Lower Upper
105 100
120 25.9 20.9 31.3
77 16.7 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.389 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 75 Resp: 59740
Ion Ratio Lower Upper
75 100
110 36.6 28.0 42.0
77 34.1 25.4 38.2

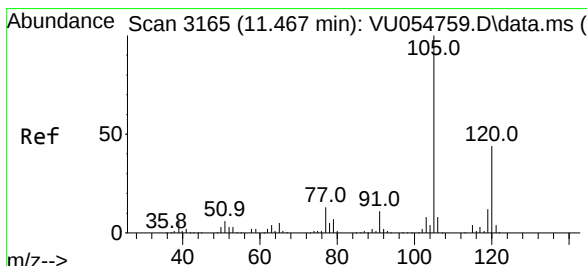
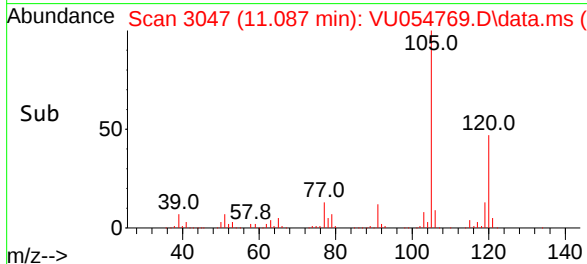
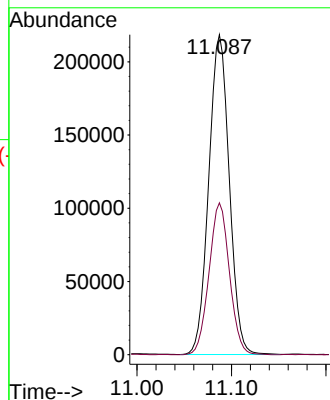
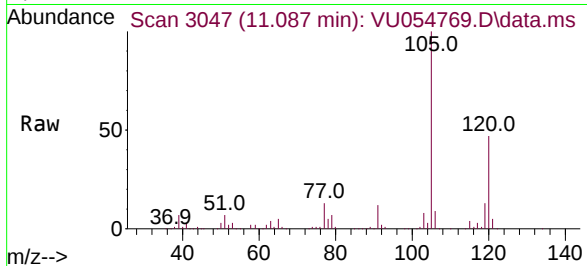




#62
 1,3,5-Trimethylbenzene
 Concen: 5.026 ug/L
 RT: 11.087 min Scan# 3046
 Delta R.T. 0.003 min
 Lab File: VU054769.D
 Acq: 05 Jul 2023 15:00

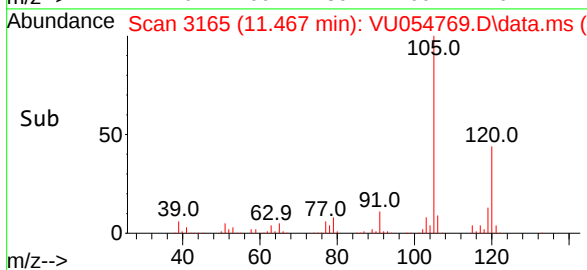
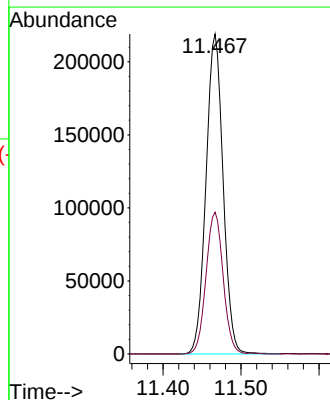
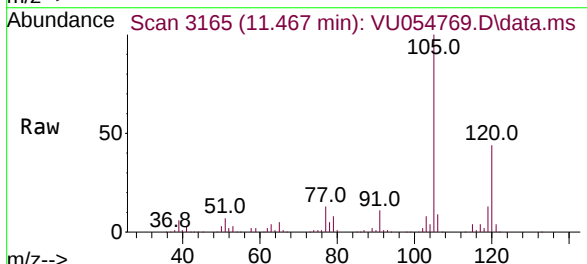
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005089

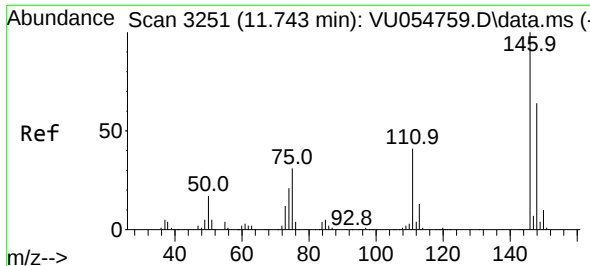
Tgt Ion:105 Resp: 329071
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.016 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VU054769.D
 Acq: 05 Jul 2023 15:00

Tgt Ion:105 Resp: 333542
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.4 53.0

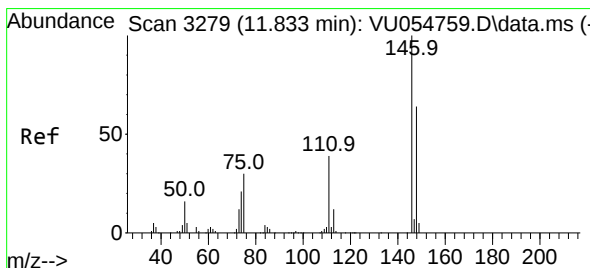
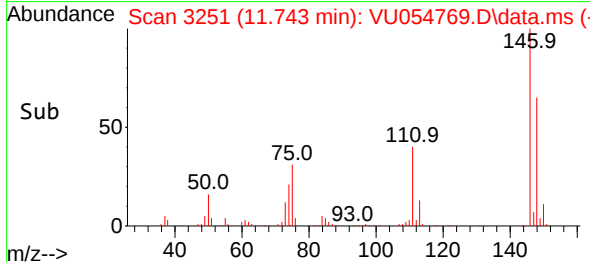
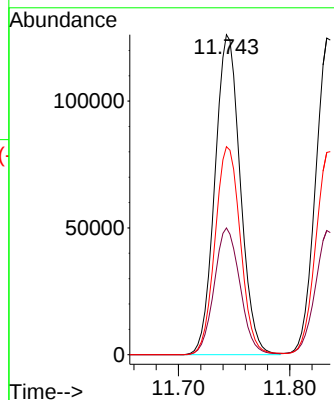
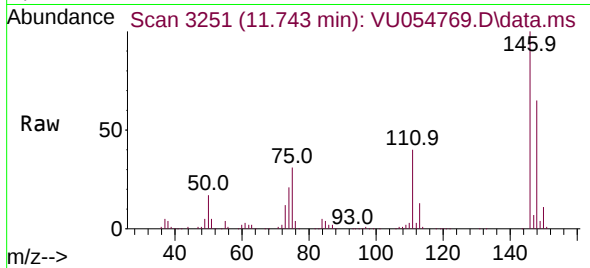




#64
1,3-Dichlorobenzene
Concen: 5.324 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

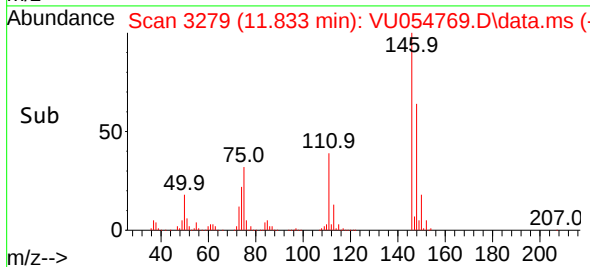
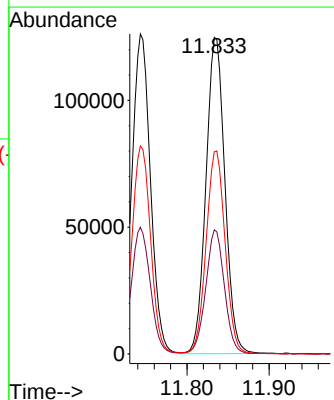
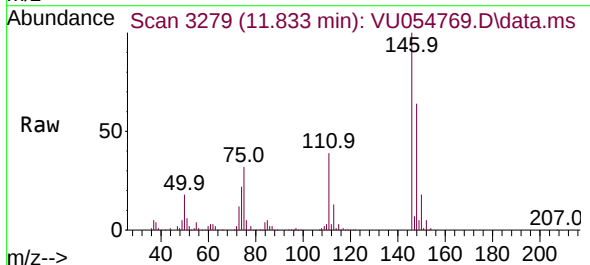
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

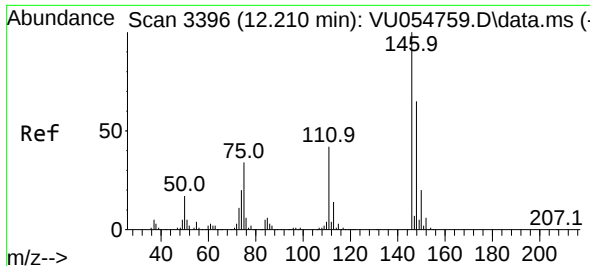
Tgt Ion:146 Resp: 199676
Ion Ratio Lower Upper
146 100
111 39.6 28.9 53.7
148 65.0 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.311 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion:146 Resp: 199909
Ion Ratio Lower Upper
146 100
111 39.2 28.0 52.0
148 63.9 44.7 83.1

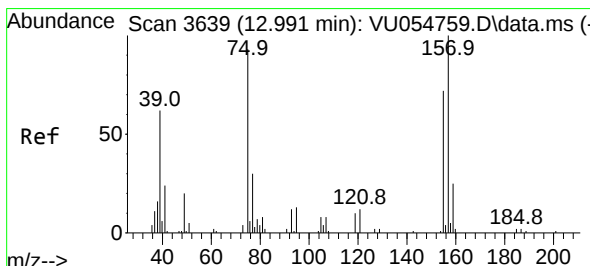
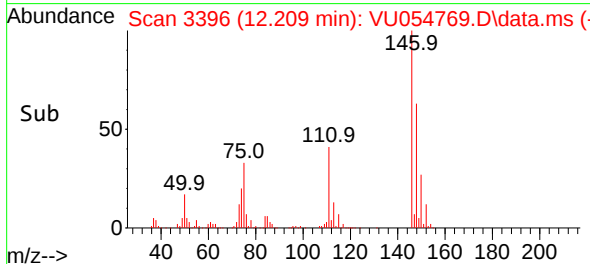
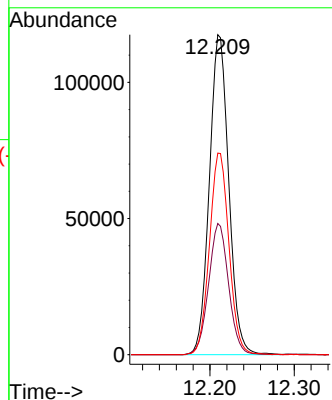
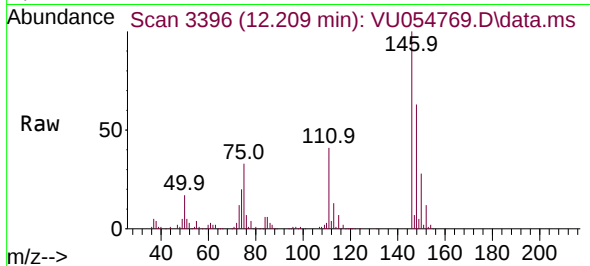




#67
1,2-Dichlorobenzene
Concen: 5.448 ug/L
RT: 12.209 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

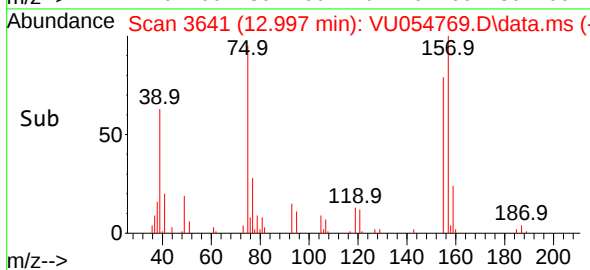
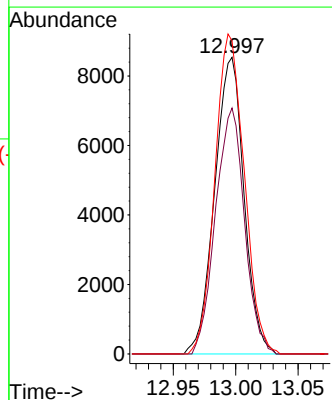
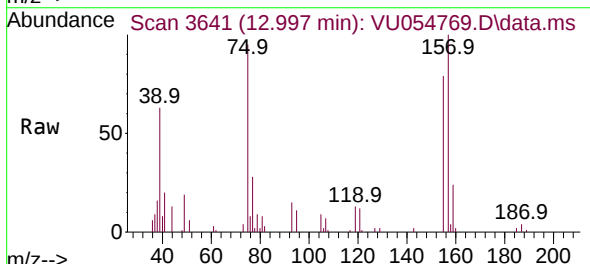
Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

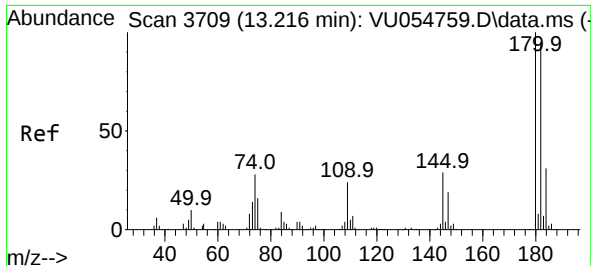
Tgt Ion:146 Resp: 187935
Ion Ratio Lower Upper
146 100
111 41.0 34.5 51.7
148 63.0 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 5.747 ug/L
RT: 12.997 min Scan# 3641
Delta R.T. 0.006 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion: 75 Resp: 14000
Ion Ratio Lower Upper
75 100
155 82.9 65.7 98.5
157 105.6 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 5.400 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005089

Tgt Ion:180 Resp: 152820

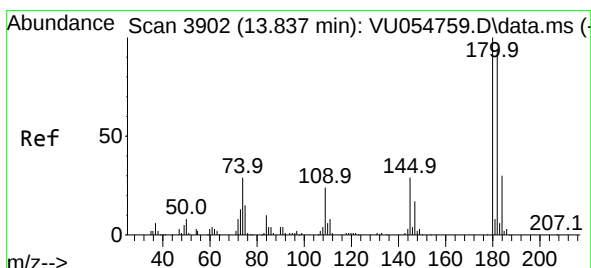
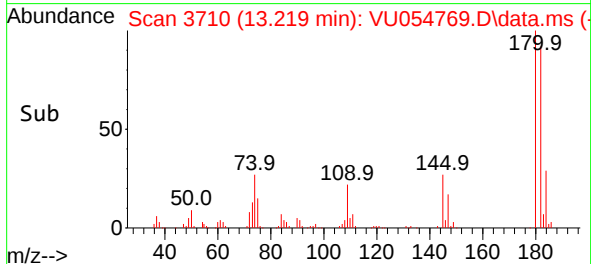
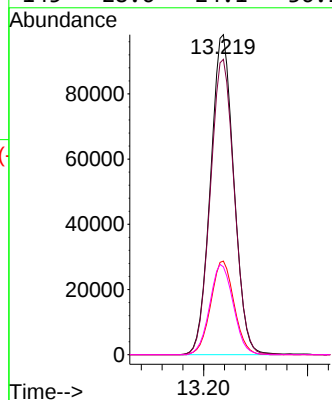
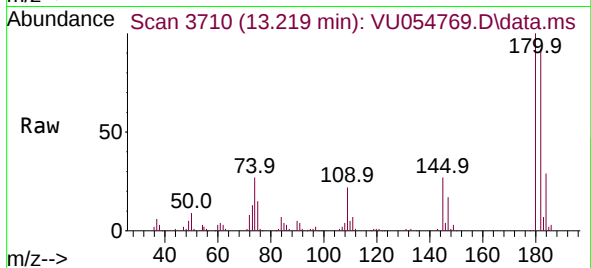
Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.6

184 29.3 24.1 36.1

145 28.6 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.297 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU054769.D

Acq: 05 Jul 2023 15:00

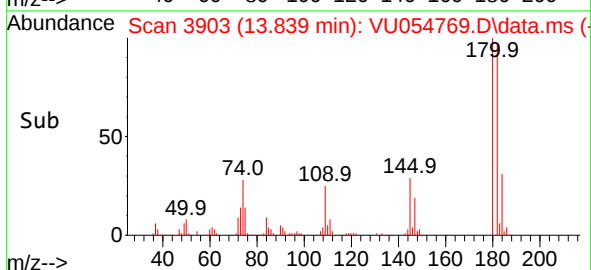
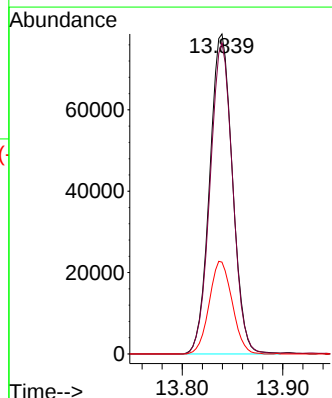
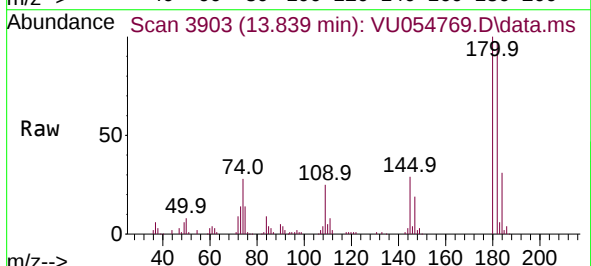
Tgt Ion:180 Resp: 123969

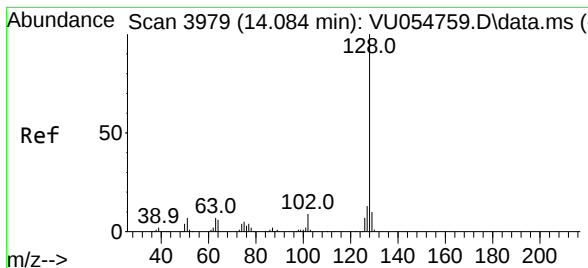
Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

145 29.2 24.0 36.0

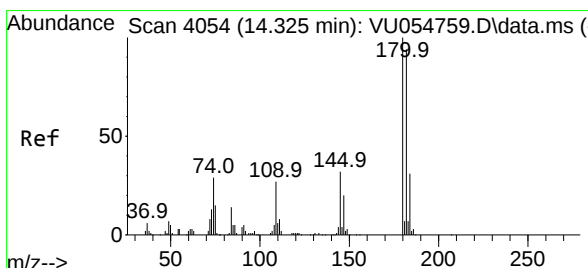
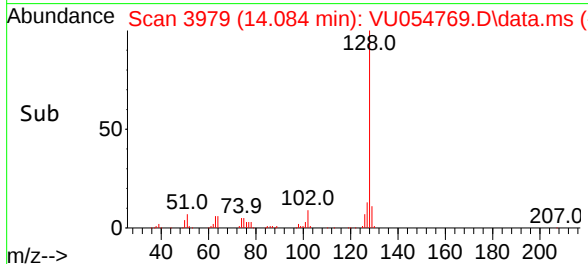
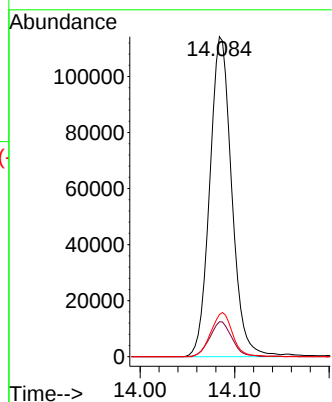
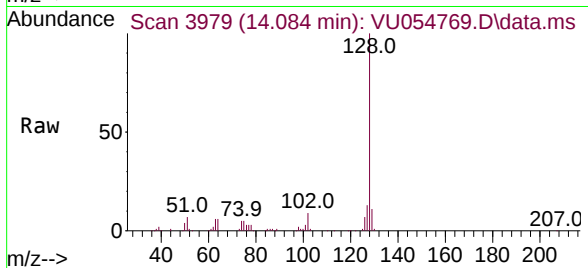




#71
Naphthalene
Concen: 4.846 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD005089

Tgt Ion:128 Resp: 184402
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.7 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.482 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU054769.D
Acq: 05 Jul 2023 15:00

Tgt Ion:180 Resp: 110203
Ion Ratio Lower Upper
180 100
182 98.1 75.4 113.2
145 31.9 26.0 39.0

