

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056801.D
 Acq On : 12 Dec 2023 21:46
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

Quant Time: Dec 13 00:38:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	266177	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	258420	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	125130	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	99070	4.342	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.907	69	82433	4.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.563	65	45138	4.624	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.615	46	230007	51.047	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.100%
24) Chloroform-d	5.055	84	214965	4.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.695	65	101452	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.721	84	406772	5.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.685	67	127392	5.078	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.894	98	365224	5.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	8.177	79	47863	4.919	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.400%
46) 2-Hexanone-d5	8.627	63	198093	53.984	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.960%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	91941	5.065	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	119346	4.852	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	132558	4.753	ug/L	98
3) Chloromethane	1.515	50	132252	4.822	ug/L	98
5) Vinyl chloride	1.602	62	132263	4.856	ug/L	98
6) Bromomethane	1.849	94	66332	4.131	ug/L	97
8) Chloroethane	1.927	64	81144	5.086	ug/L	99
9) Trichlorofluoromethane	2.136	101	189771	4.944	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	112878	4.795	ug/L	98
12) 1,1-Dichloroethene	2.576	96	105579	4.886	ug/L	95
13) Acetone	2.621	43	127294	46.358	ug/L	99
14) Carbon disulfide	2.788	76	355518	4.742	ug/L	99
15) Methyl Acetate	2.946	43	35714	4.778	ug/L	99
16) Methylene chloride	3.039	84	116395	4.944	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	243281	5.077	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	111967	5.110	ug/L	98
19) 1,1-Dichloroethane	3.862	63	210132	4.986	ug/L	98
21) 2-Butanone	4.695	43	214750	46.376	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	119051	4.994	ug/L	97
23) Bromochloromethane	4.968	128	50336	5.044	ug/L	97
25) Chloroform	5.081	83	214835	4.866	ug/L	99

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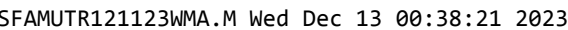
Instrument :
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 ClientSampleId :
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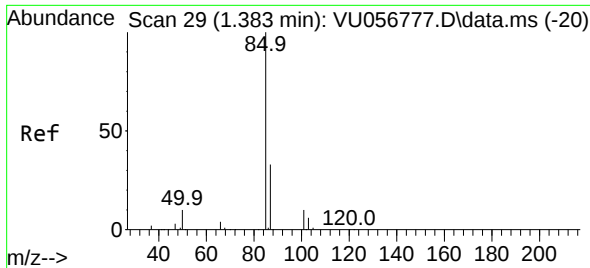
Quant Time: Dec 13 00:38:12 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	126604	4.849	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	192900	5.164	ug/L	98
30) Cyclohexane	5.383	56	178036	5.078	ug/L	99
31) Carbon tetrachloride	5.518	117	164165	5.056	ug/L	100
33) Benzene	5.766	78	471331	5.190	ug/L	100
34) Trichloroethene	6.537	95	126201	5.066	ug/L	97
35) Methylcyclohexane	6.756	83	183886	5.002	ug/L	99
37) 1,2-Dichloropropane	6.785	63	119682	5.152	ug/L	99
38) Bromodichloromethane	7.100	83	148744	5.021	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	167926	4.959	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	560861	50.841	ug/L	99
42) Toluene	7.965	91	492584	5.242	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	139983	5.044	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	79923	5.089	ug/L	96
47) Tetrachloroethene	8.547	164	89148	5.113	ug/L	94
48) 2-Hexanone	8.679	43	398997	50.782	ug/L	99
49) Dibromochloromethane	8.804	129	88324	4.892	ug/L	96
50) 1,2-Dibromoethane	8.917	107	74428	5.106	ug/L	96
51) Chlorobenzene	9.441	112	301561	5.035	ug/L	100
52) Ethylbenzene	9.566	91	533838	5.150	ug/L	99
53) m,p-Xylene	9.688	106	202484	5.243	ug/L	96
54) o-Xylene	10.097	106	193142	5.249	ug/L	95
55) Styrene	10.110	104	321265	5.317	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	95301	5.022	ug/L #	99
59) Bromoform	10.283	173	48811	4.778	ug/L	98
60) Isopropylbenzene	10.479	105	517293	5.233	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	65968	4.910	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	422820	5.233	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	422883	5.270	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	234399	5.012	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	239583	5.203	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	220826	5.183	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	12460	4.645	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	169004	4.783	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	126869	4.534	ug/L	98
71) Naphthalene	14.081	128	173826	4.245	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	107818	4.538	ug/L	97

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

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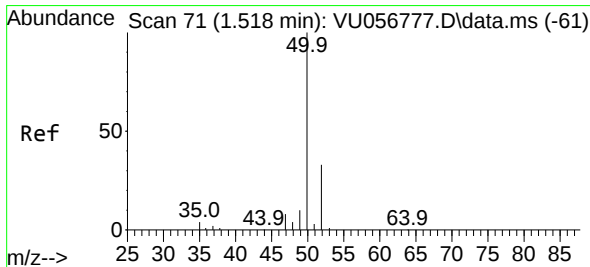
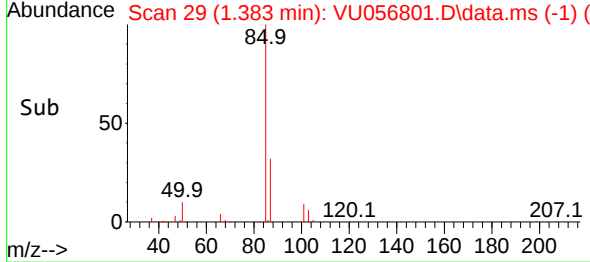
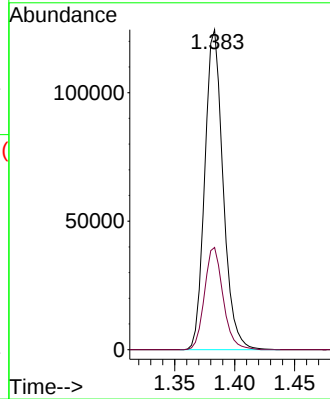
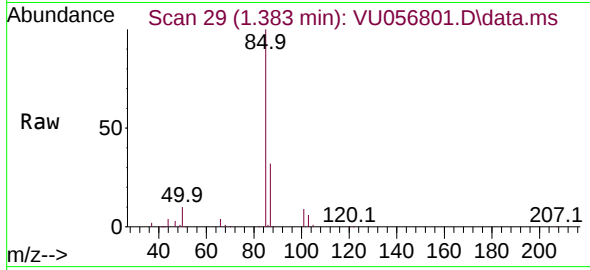




#2
Dichlorodifluoromethane
Concen: 4.753 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

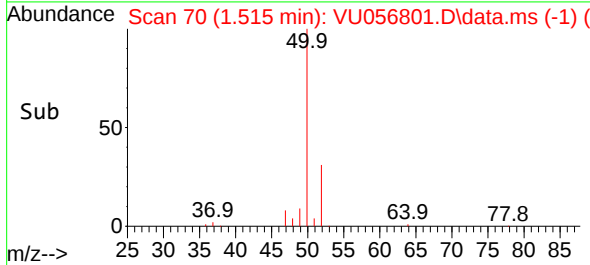
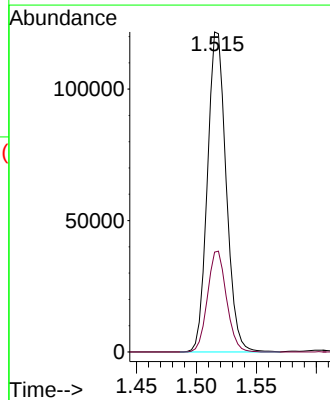
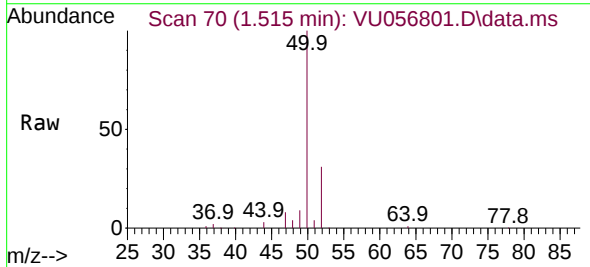
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

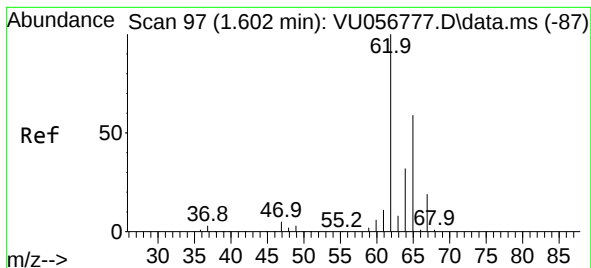
Tgt Ion: 85 Resp: 132558
Ion Ratio Lower Upper
85 100
87 32.4 26.8 40.2



#3
Chloromethane
Concen: 4.822 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 50 Resp: 132252
Ion Ratio Lower Upper
50 100
52 31.2 22.5 41.7





#5

Vinyl chloride

Concen: 4.856 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

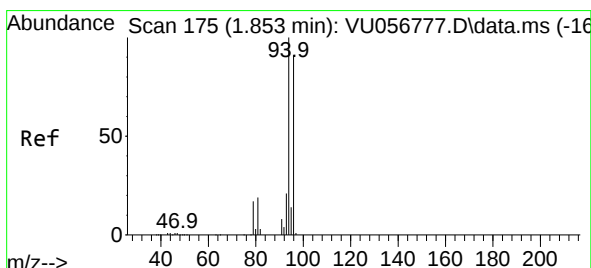
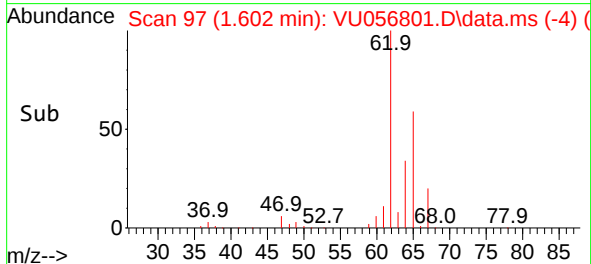
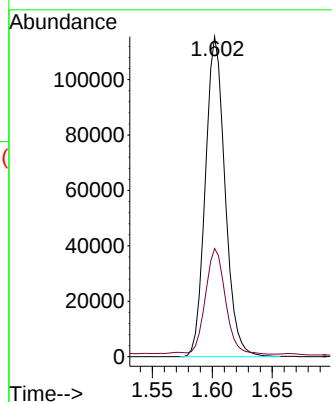
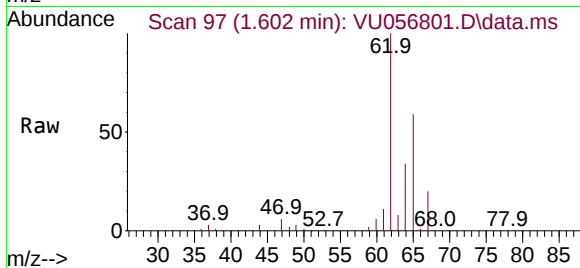
VSTD005198

Tgt Ion: 62 Resp: 132263

Ion Ratio Lower Upper

62 100

64 33.8 22.8 42.4



#6

Bromomethane

Concen: 4.131 ug/L

RT: 1.849 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU056801.D

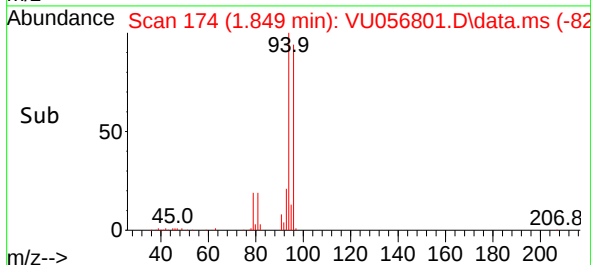
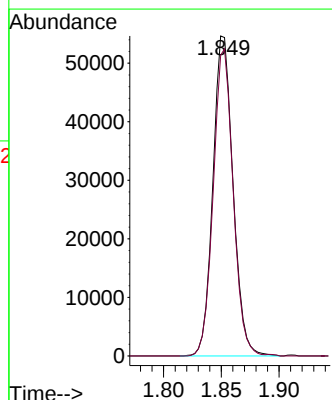
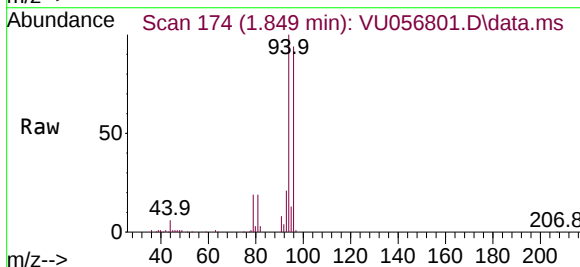
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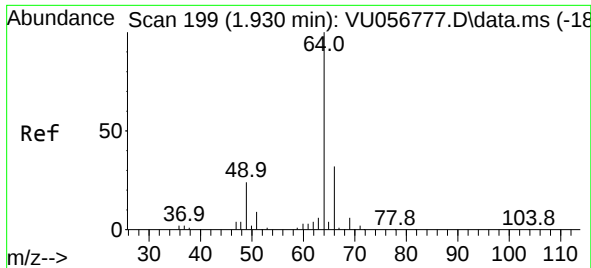
Tgt Ion: 94 Resp: 66332

Ion Ratio Lower Upper

94 100

96 94.0 67.8 125.8

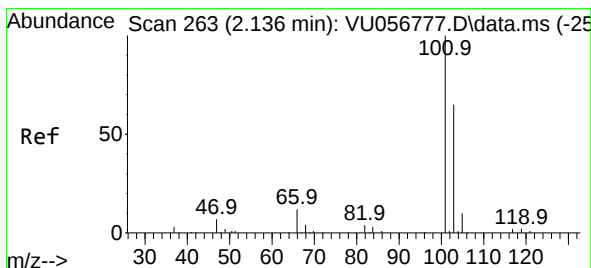
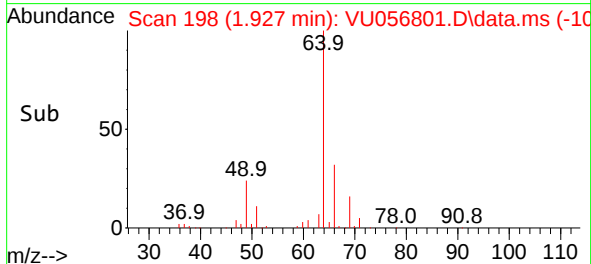
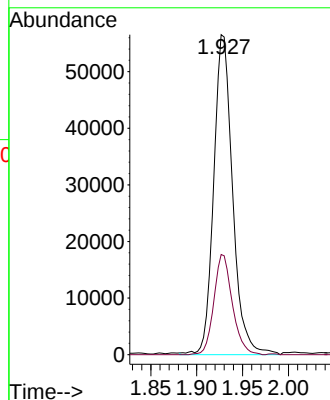
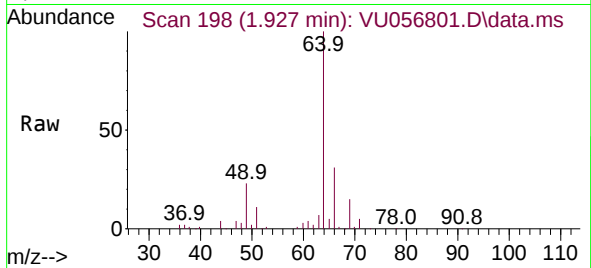




#8
Chloroethane
Concen: 5.086 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

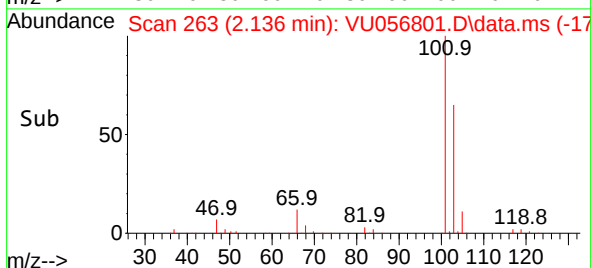
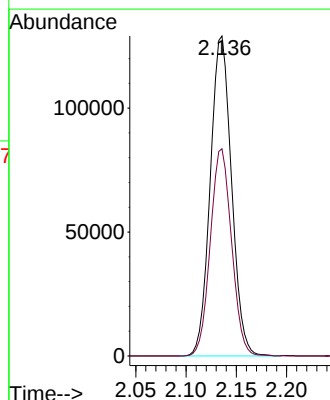
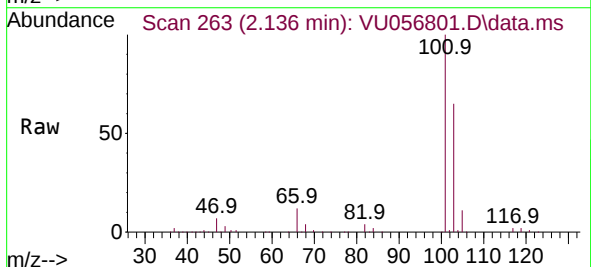
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

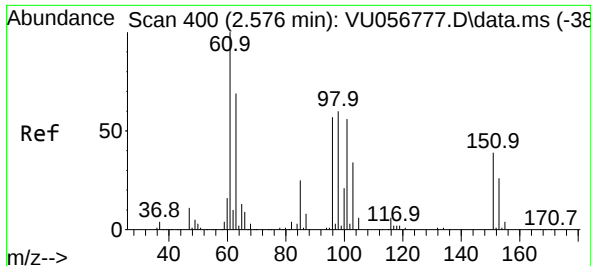
Tgt Ion: 64 Resp: 81144
Ion Ratio Lower Upper
64 100
66 31.3 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.944 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion:101 Resp: 189771
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2

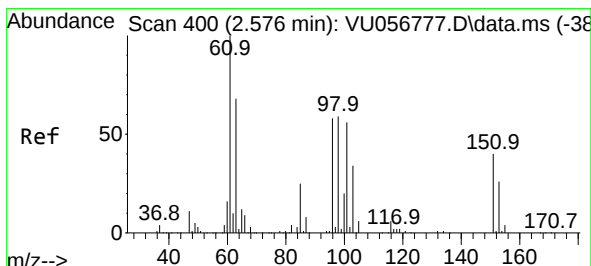
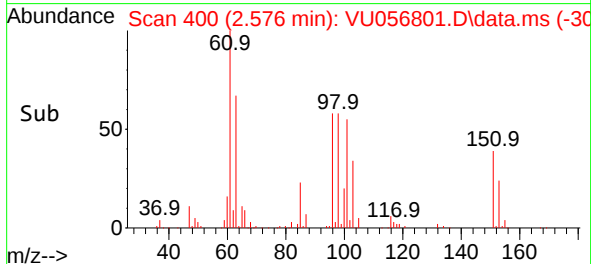
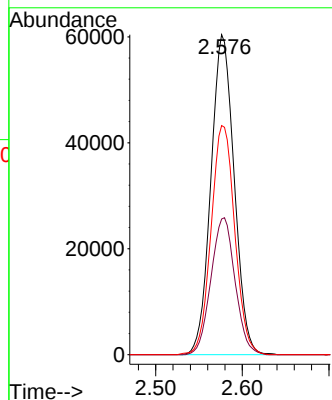
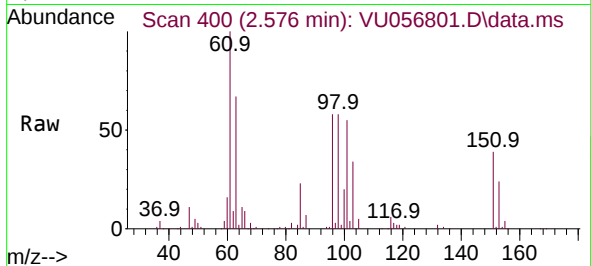




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.795 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056801.D
 Acq: 12 Dec 2023 21:46

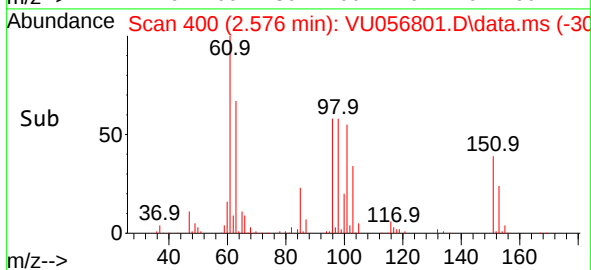
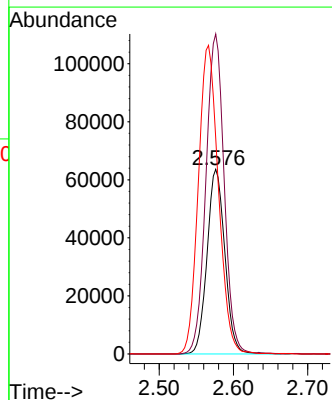
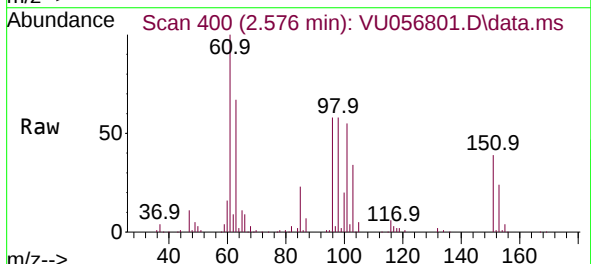
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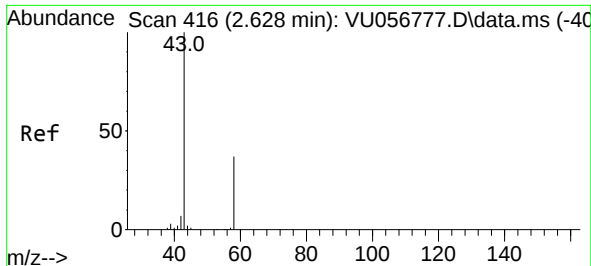
Tgt Ion:101 Resp: 112878
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.2 52.8
 151 72.8 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.886 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056801.D
 Acq: 12 Dec 2023 21:46

Tgt Ion: 96 Resp: 105579
 Ion Ratio Lower Upper
 96 100
 61 173.3 119.0 221.0
 63 117.0 88.7 164.7





#13

Acetone

Concen: 46.358 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

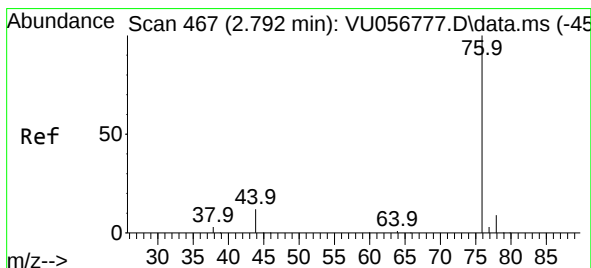
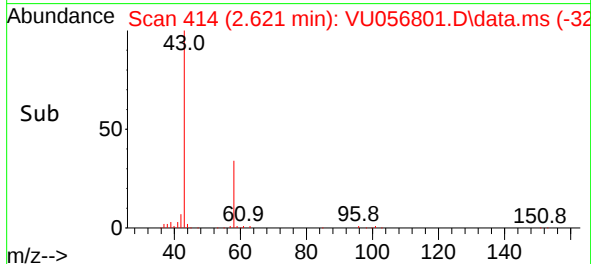
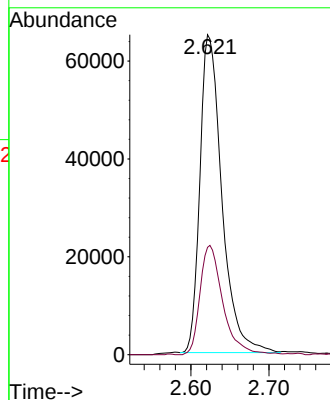
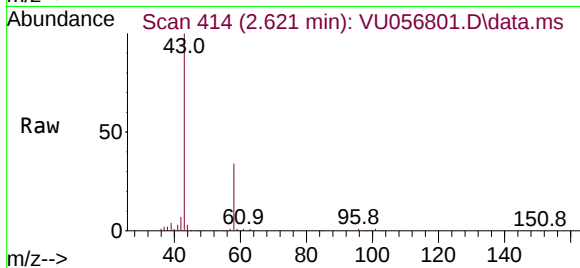
VSTD005198

Tgt Ion: 43 Resp: 127294

Ion Ratio Lower Upper

43 100

58 35.6 0.0 72.6



#14

Carbon disulfide

Concen: 4.742 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU056801.D

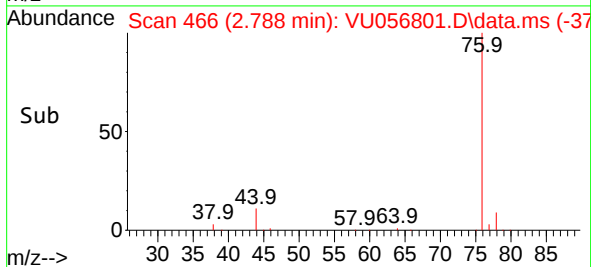
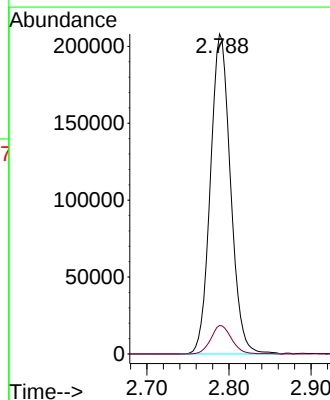
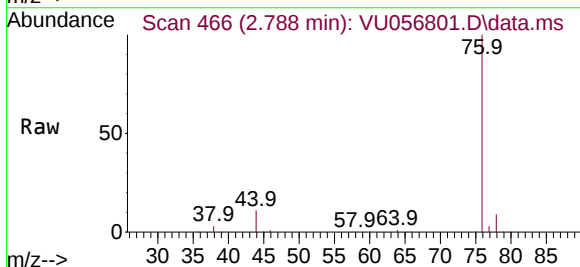
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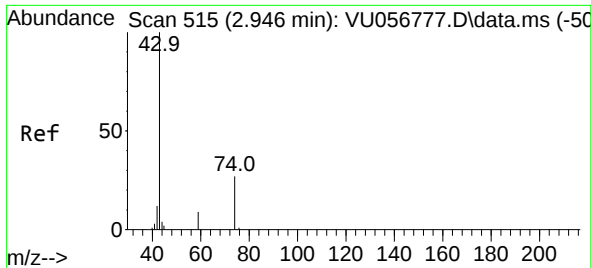
Tgt Ion: 76 Resp: 355518

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

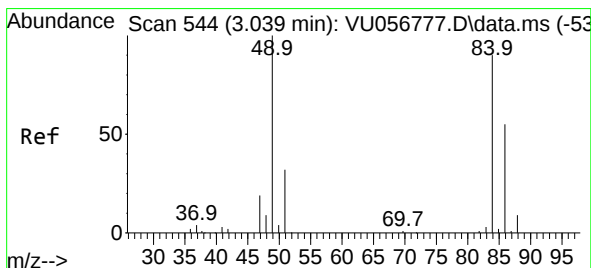
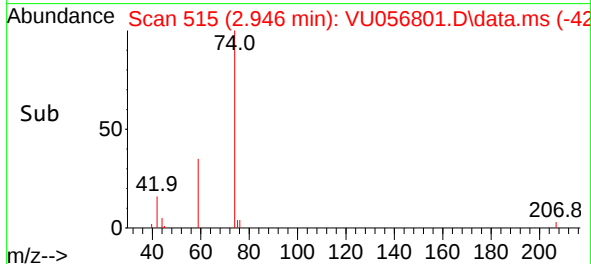
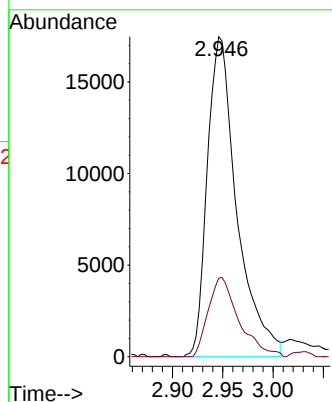
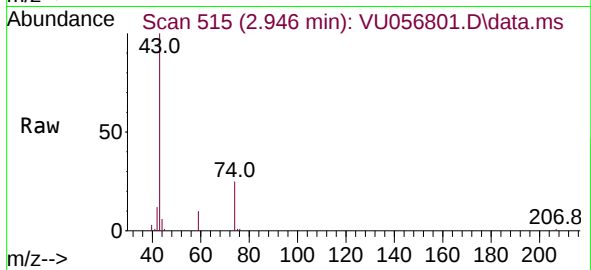




#15
Methyl Acetate
Concen: 4.778 ug/L
RT: 2.946 min Scan# 515
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

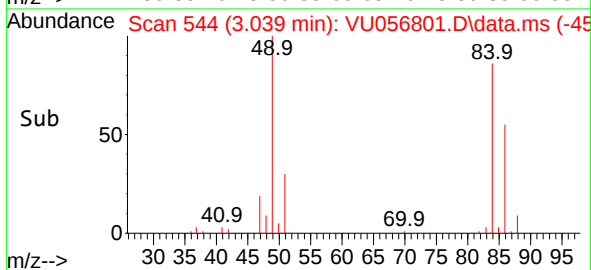
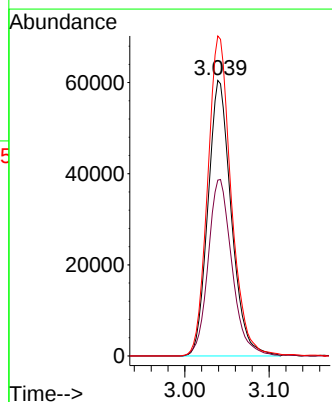
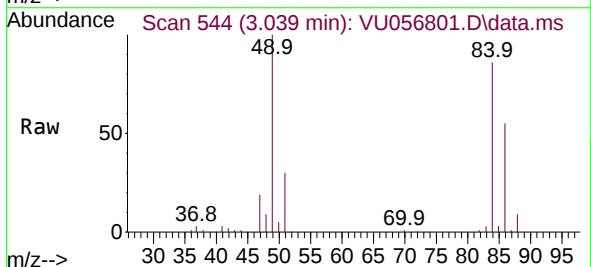
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

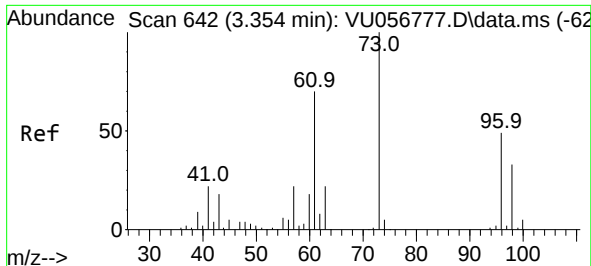
Tgt Ion: 43 Resp: 35714
Ion Ratio Lower Upper
43 100
74 25.6 21.0 31.6



#16
Methylene chloride
Concen: 4.944 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 84 Resp: 116395
Ion Ratio Lower Upper
84 100
86 63.8 43.6 81.0
49 116.1 80.6 149.6

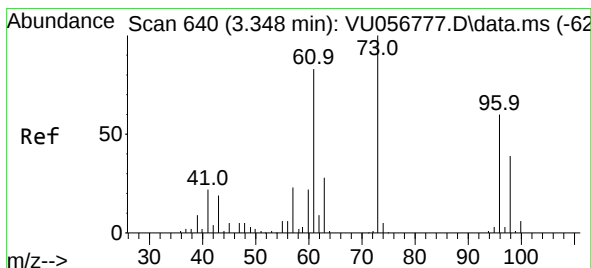
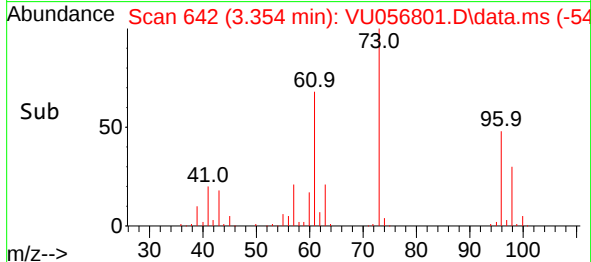
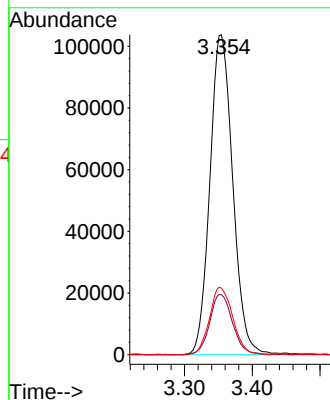
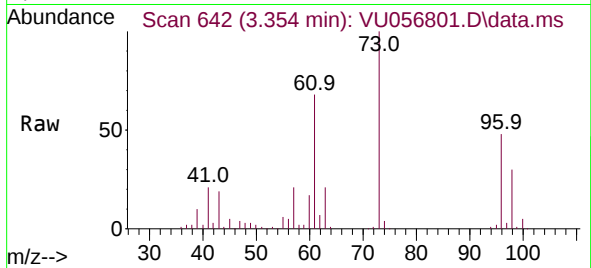




#17
Methyl tert-butyl Ether
Concen: 5.077 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

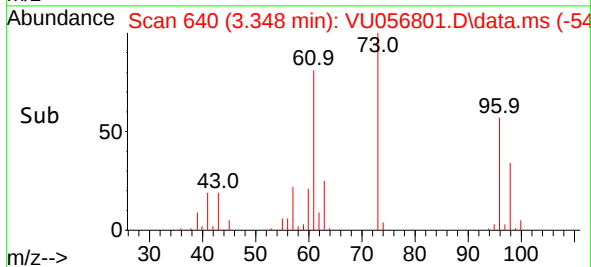
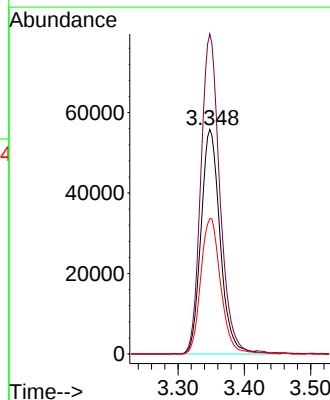
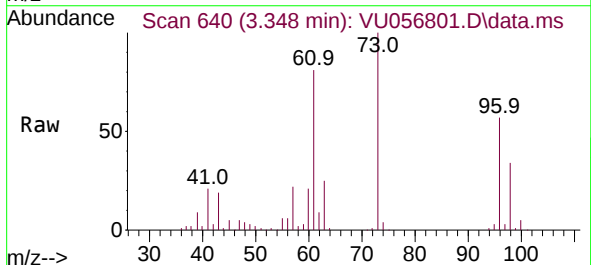
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

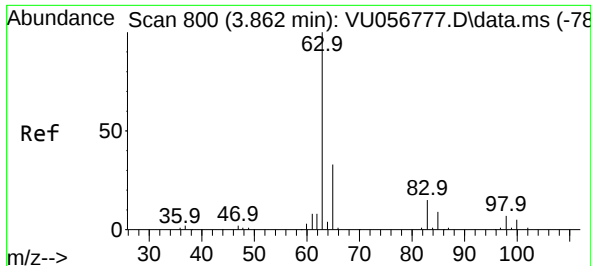
Tgt Ion: 73 Resp: 243281
Ion Ratio Lower Upper
73 100
43 18.8 14.4 21.6
57 21.5 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.110 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 96 Resp: 111967
Ion Ratio Lower Upper
96 100
61 142.5 101.8 189.0
98 60.3 43.0 79.8

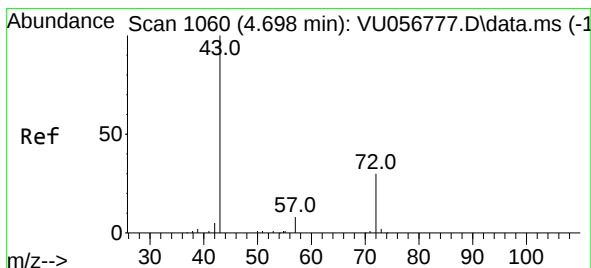
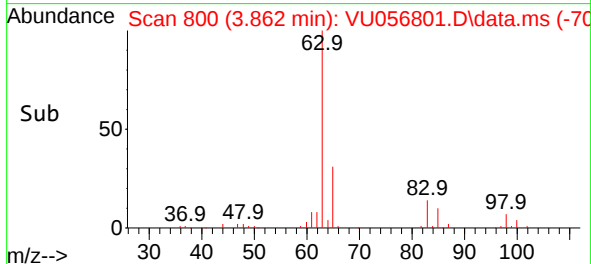
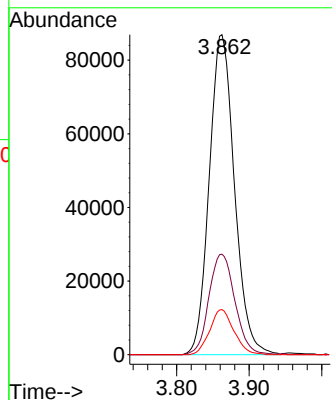
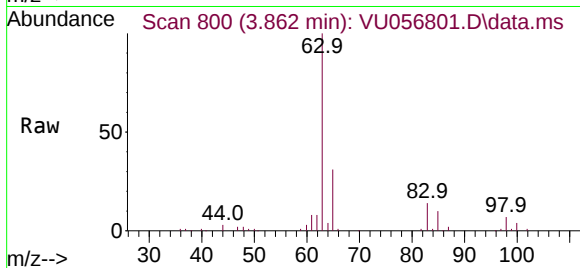




#19
1,1-Dichloroethane
Concen: 4.986 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

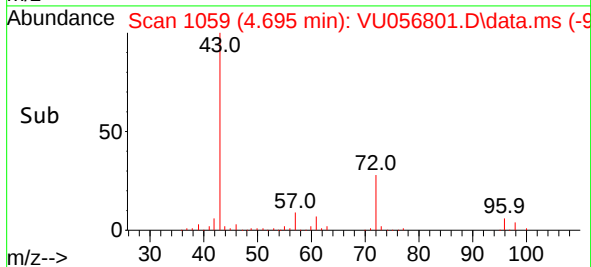
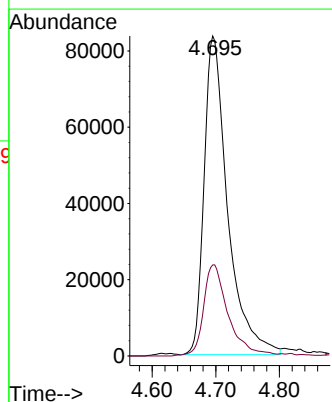
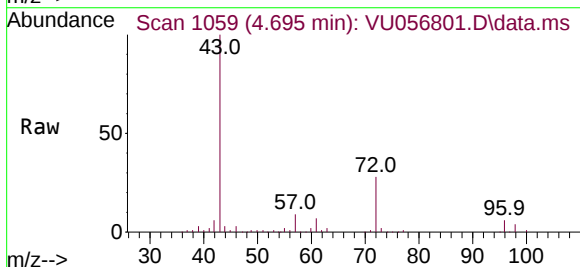
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

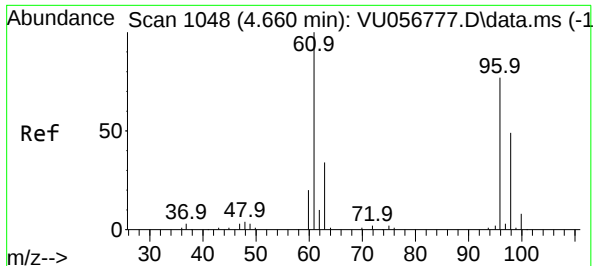
Tgt Ion: 63 Resp: 210132
Ion Ratio Lower Upper
63 100
65 31.4 22.9 42.5
83 14.1 10.1 18.9



#21
2-Butanone
Concen: 46.376 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 43 Resp: 214750
Ion Ratio Lower Upper
43 100
72 30.1 14.6 43.8

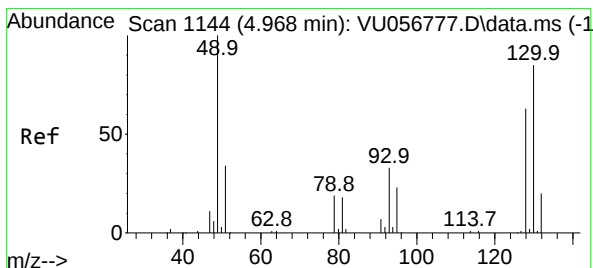
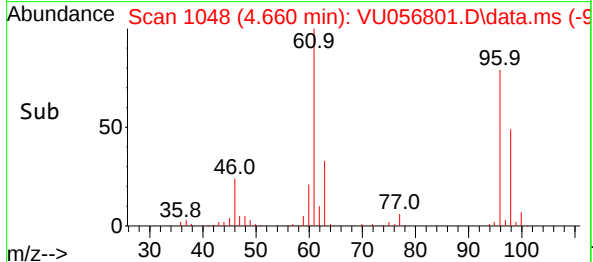
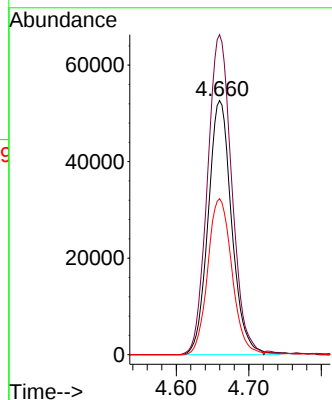
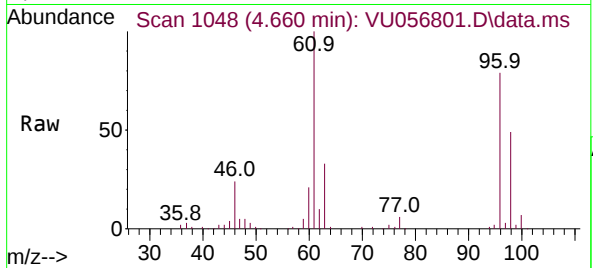




#22
 cis-1,2-Dichloroethene
 Concen: 4.994 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056801.D
 Acq: 12 Dec 2023 21:46

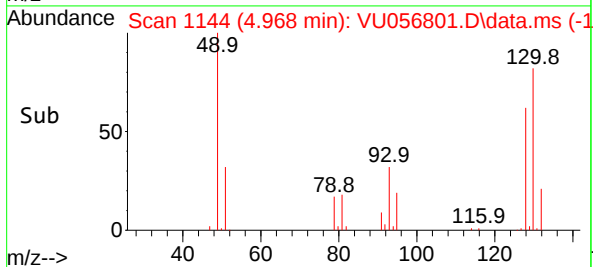
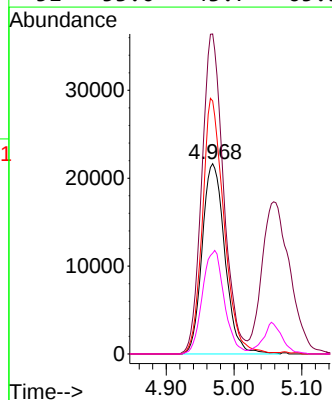
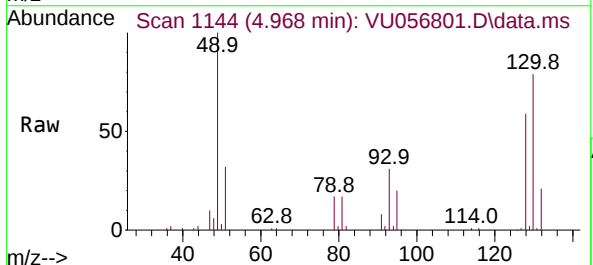
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

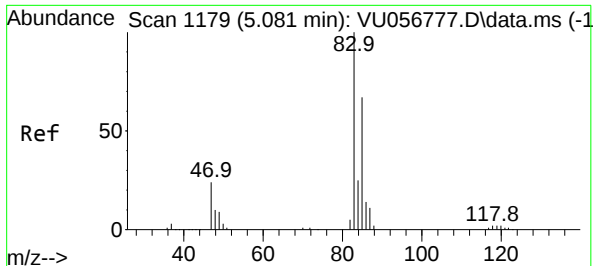
Tgt Ion: 96 Resp: 119051
 Ion Ratio Lower Upper
 96 100
 61 126.0 91.3 169.6
 98 61.4 44.2 82.0



#23
 Bromochloromethane
 Concen: 5.044 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056801.D
 Acq: 12 Dec 2023 21:46

Tgt Ion: 128 Resp: 50336
 Ion Ratio Lower Upper
 128 100
 49 168.2 113.8 211.3
 130 133.0 90.6 168.3
 51 53.0 43.7 65.5





#25

Chloroform

Concen: 4.866 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

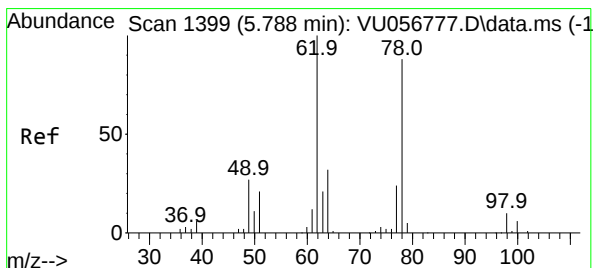
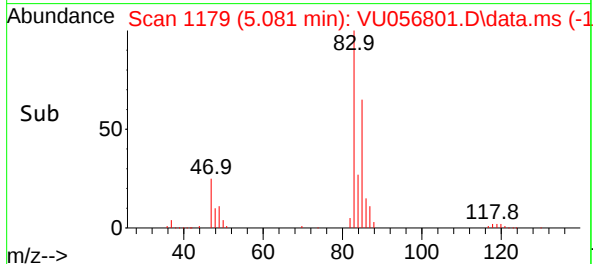
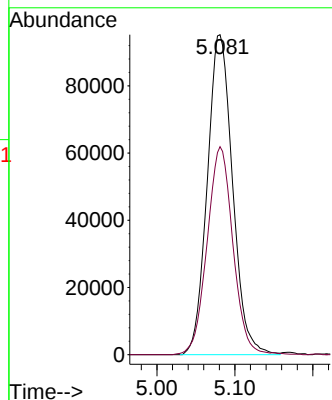
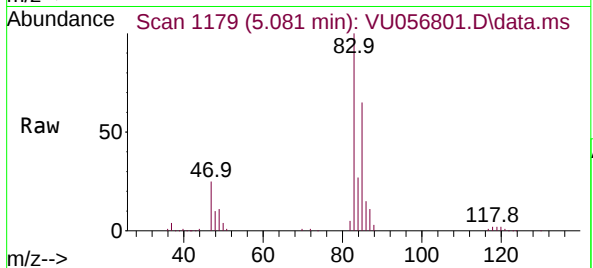
VSTD005198

Tgt Ion: 83 Resp: 214835

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.849 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056801.D

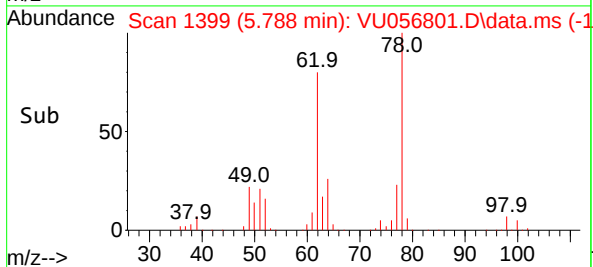
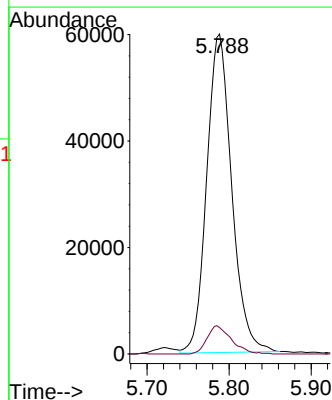
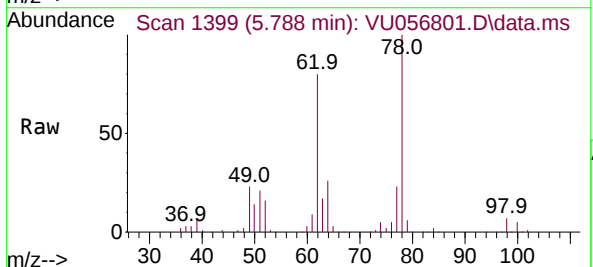
Acq: 12 Dec 2023 21:46

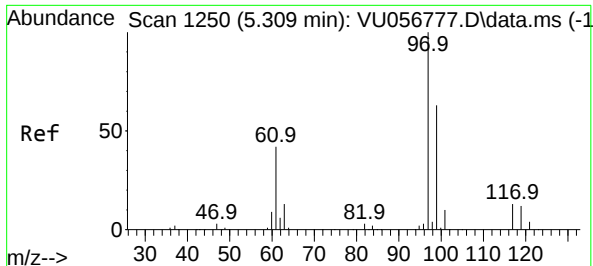
Tgt Ion: 62 Resp: 126604

Ion Ratio Lower Upper

62 100

98 8.3 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.164 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

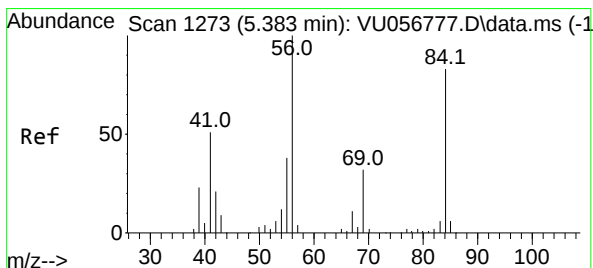
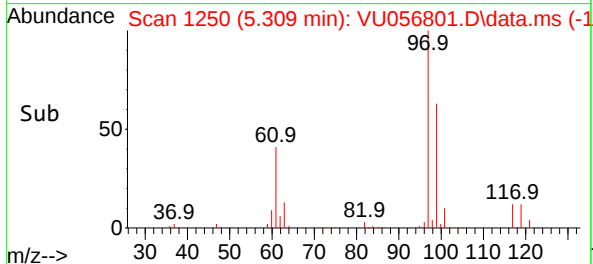
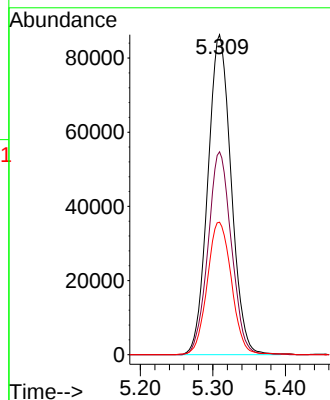
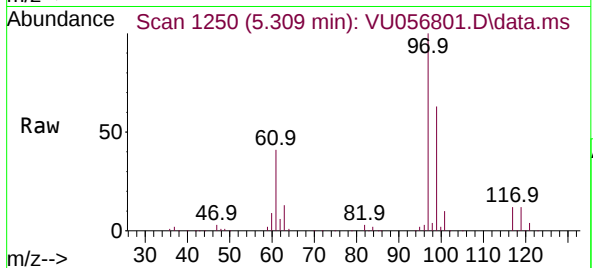
Tgt Ion: 97 Resp: 192900

Ion Ratio Lower Upper

97 100

99 63.5 52.5 78.7

61 43.1 34.2 51.2



#30

Cyclohexane

Concen: 5.078 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

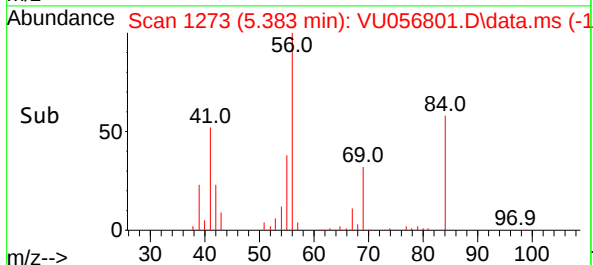
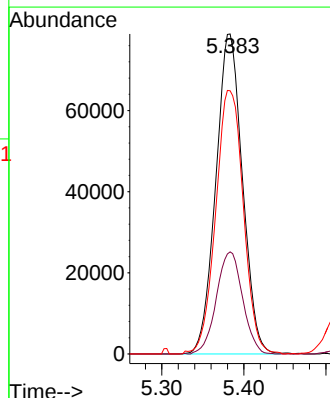
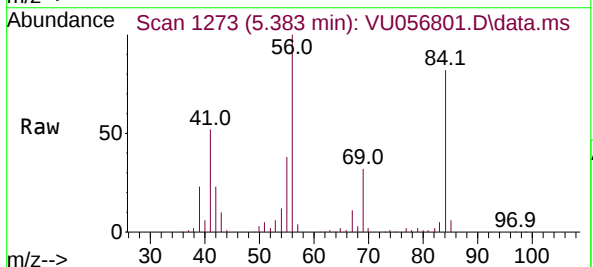
Tgt Ion: 56 Resp: 178036

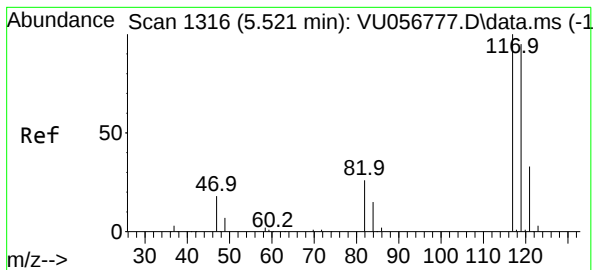
Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

84 85.5 67.6 101.4

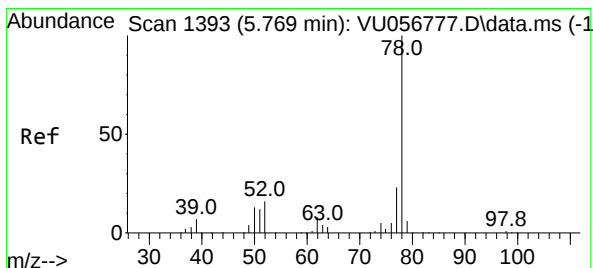
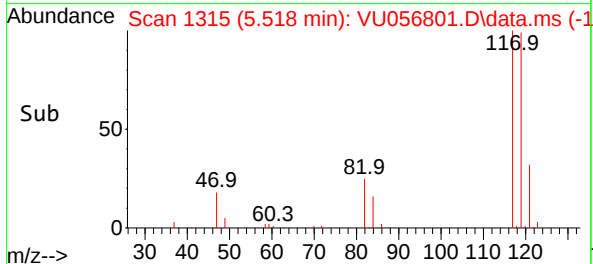
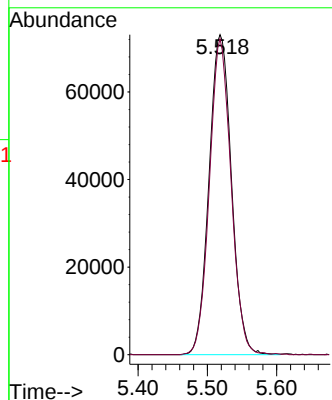
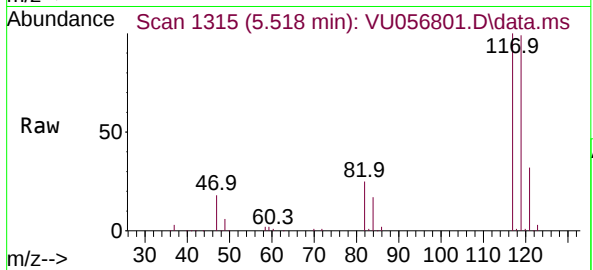




#31
Carbon tetrachloride
Concen: 5.056 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

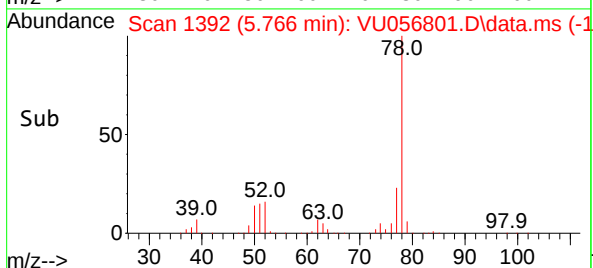
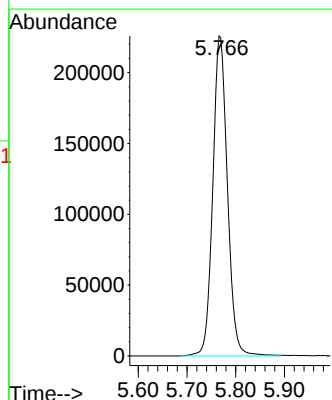
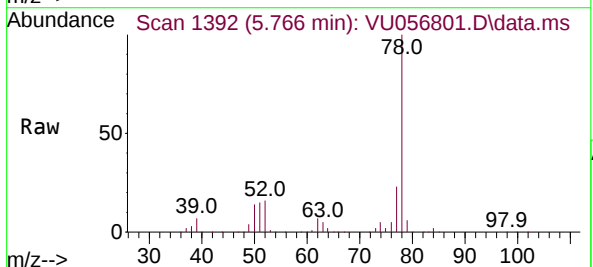
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

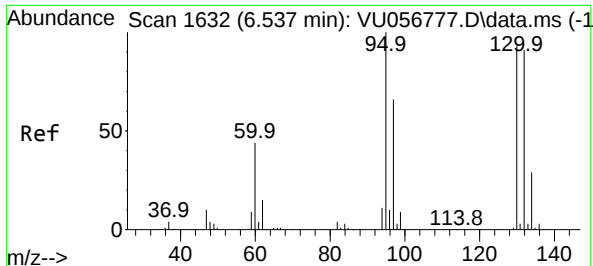
Tgt Ion:117 Resp: 164165
Ion Ratio Lower Upper
117 100
119 95.1 76.2 114.4



#33
Benzene
Concen: 5.190 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 78 Resp: 471331

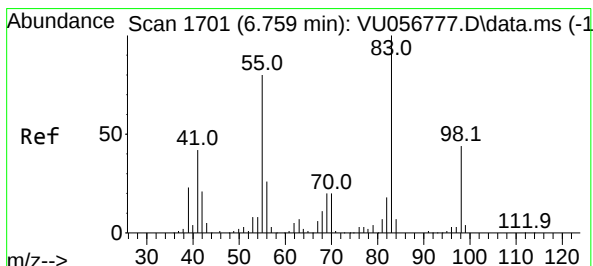
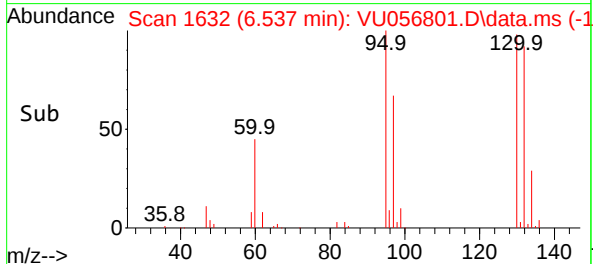
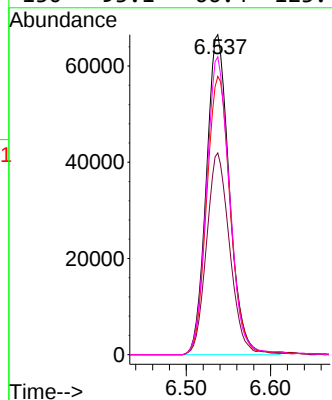
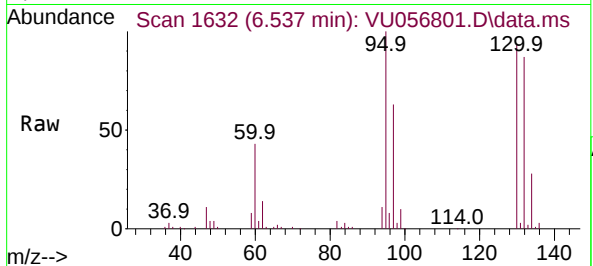




#34
Trichloroethene
Concen: 5.066 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

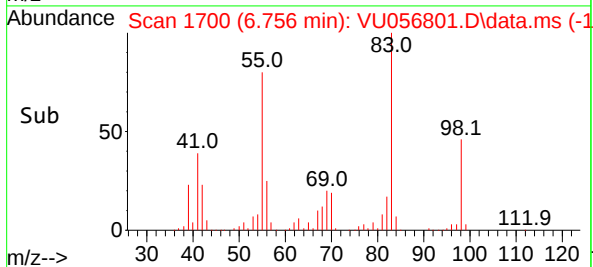
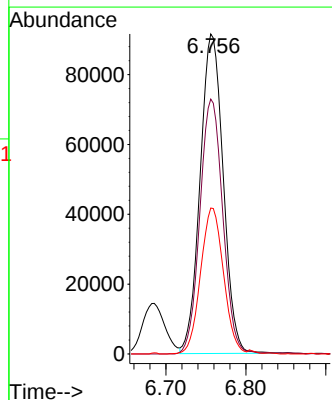
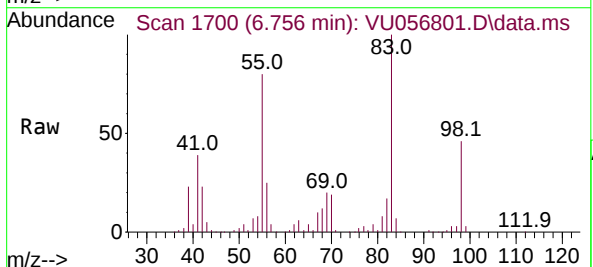
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

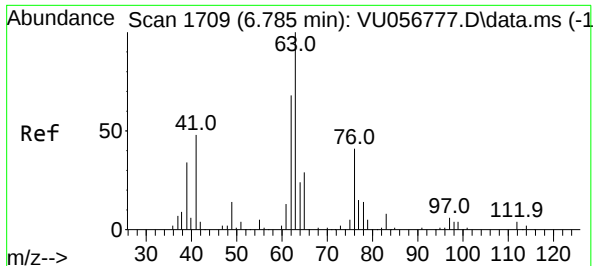
Tgt Ion: 95 Resp: 126201
Ion Ratio Lower Upper
95 100
97 63.0 46.1 85.5
132 86.9 63.6 118.0
130 93.1 66.4 123.4



#35
Methylcyclohexane
Concen: 5.002 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 83 Resp: 183886
Ion Ratio Lower Upper
83 100
55 79.0 64.6 97.0
98 45.4 36.1 54.1





#37

1,2-Dichloropropane

Concen: 5.152 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

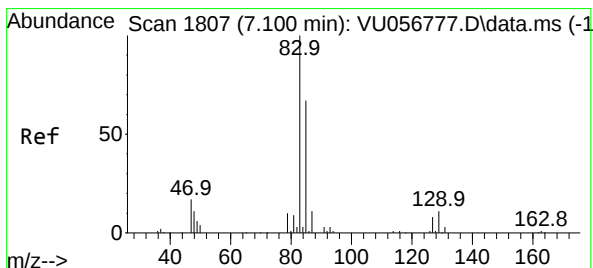
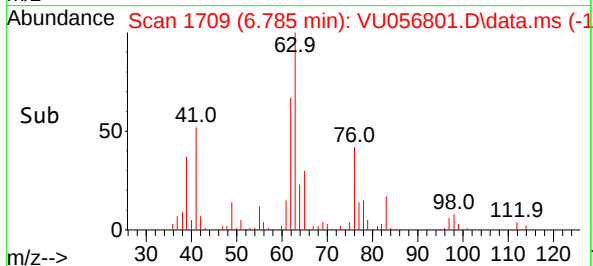
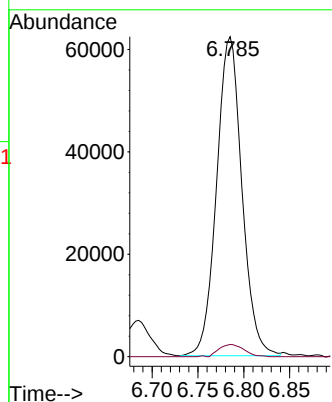
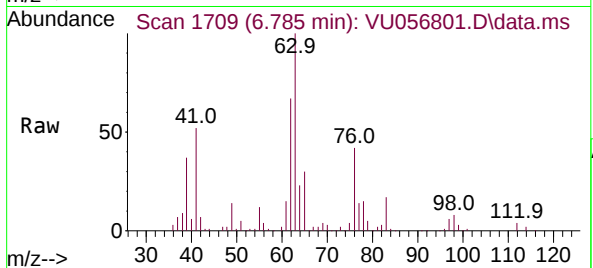
VSTD005198

Tgt Ion: 63 Resp: 119682

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 5.021 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

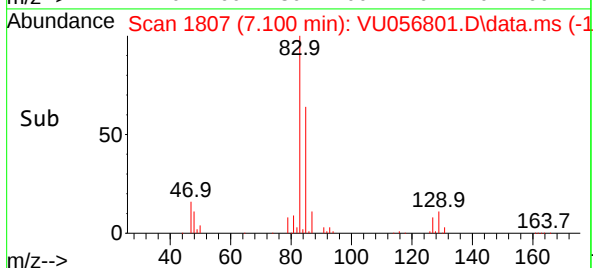
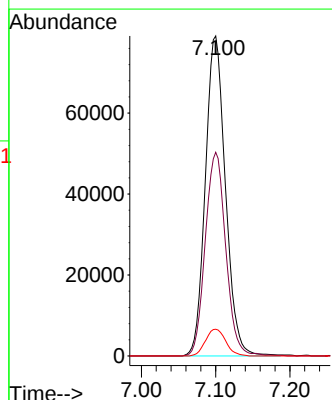
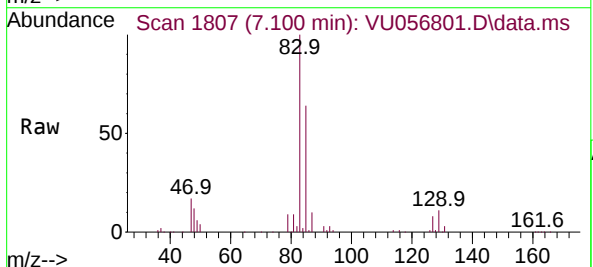
Tgt Ion: 83 Resp: 148744

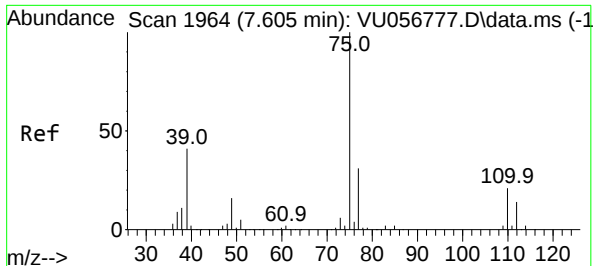
Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

127 8.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.959 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

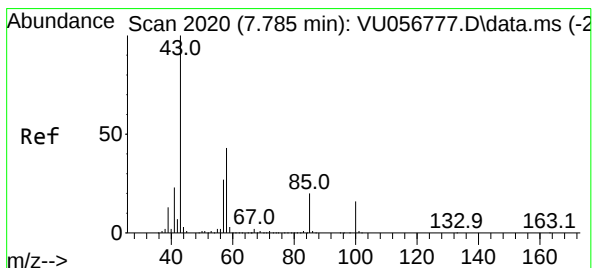
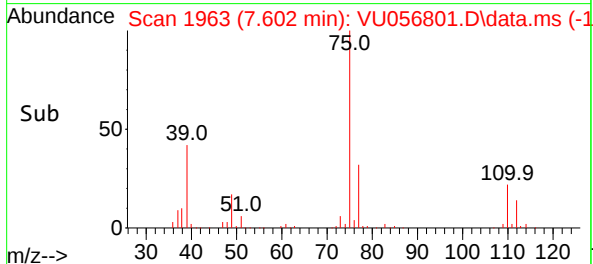
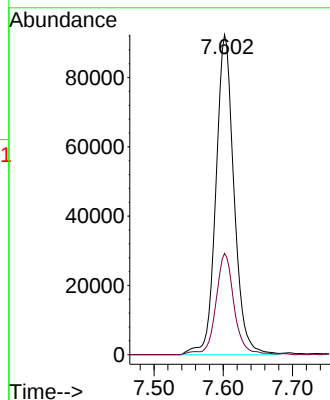
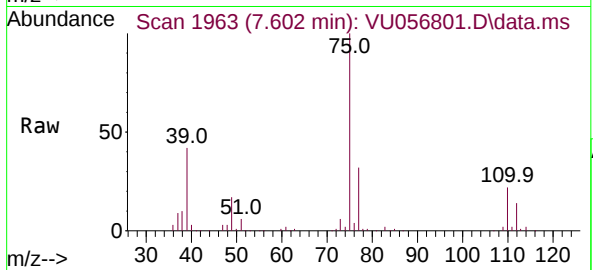
VSTD005198

Tgt Ion: 75 Resp: 167926

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.841 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

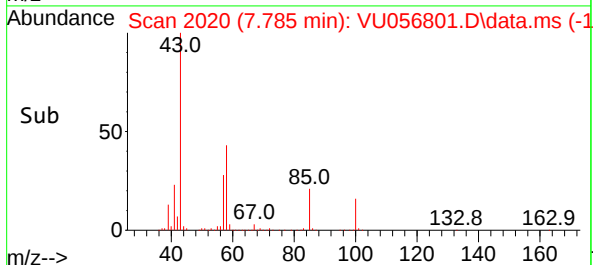
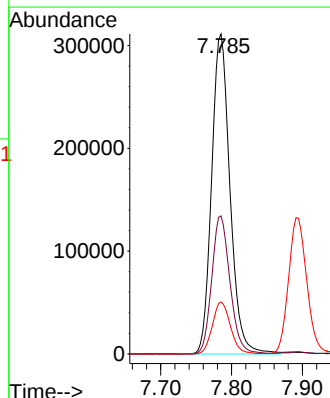
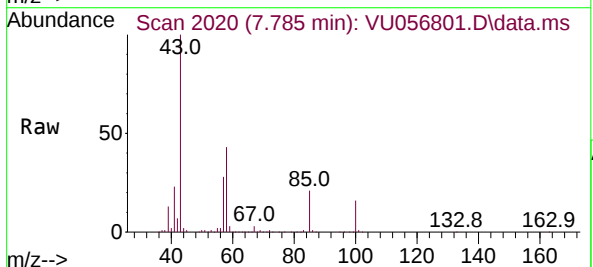
Tgt Ion: 43 Resp: 560861

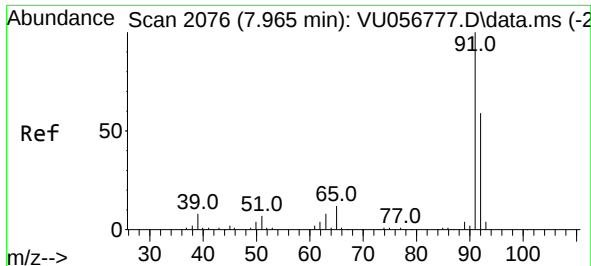
Ion Ratio Lower Upper

43 100

58 42.9 33.7 50.5

100 16.1 13.0 19.4





#42

Toluene

Concen: 5.242 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

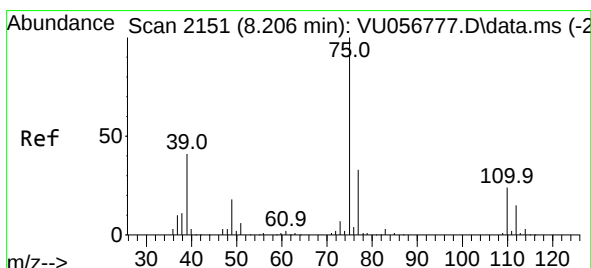
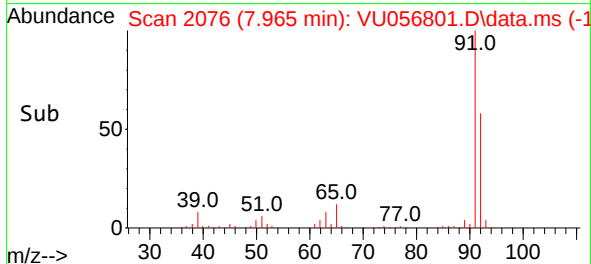
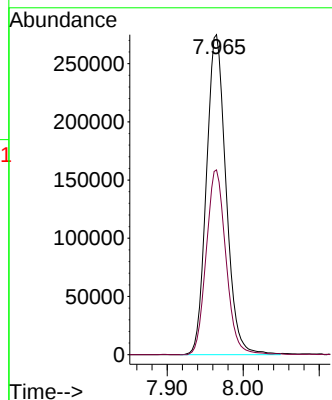
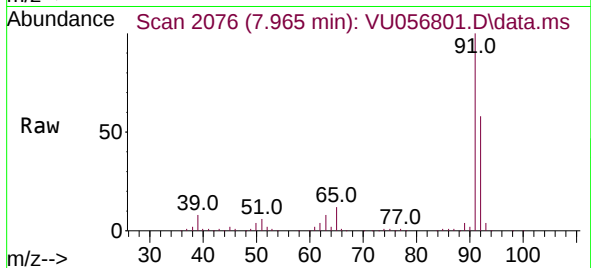
VSTD005198

Tgt Ion: 91 Resp: 492584

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.044 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056801.D

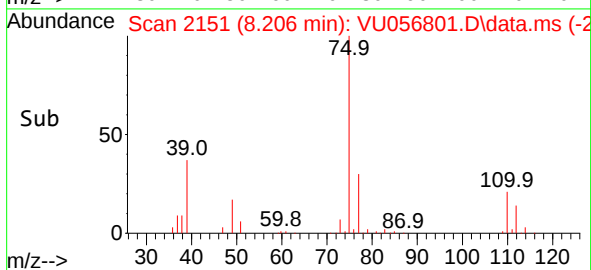
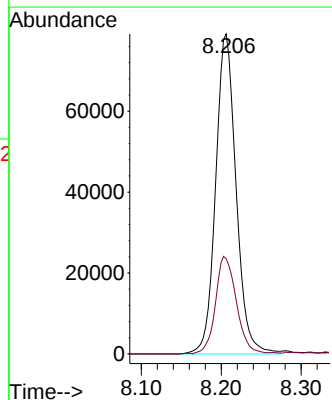
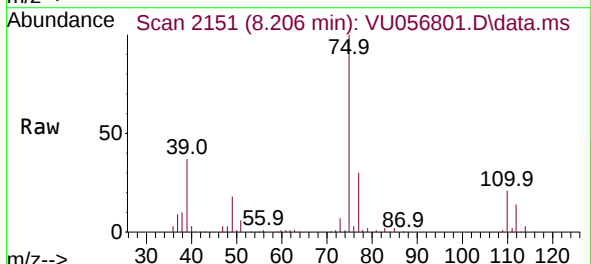
Acq: 12 Dec 2023 21:46

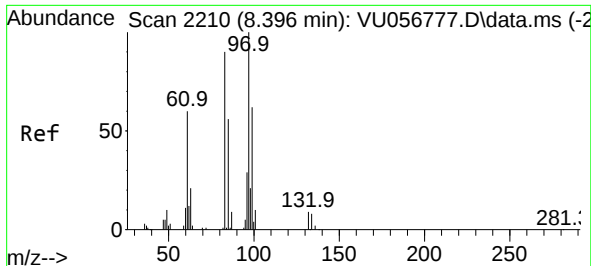
Tgt Ion: 75 Resp: 139983

Ion Ratio Lower Upper

75 100

77 29.8 21.8 40.4

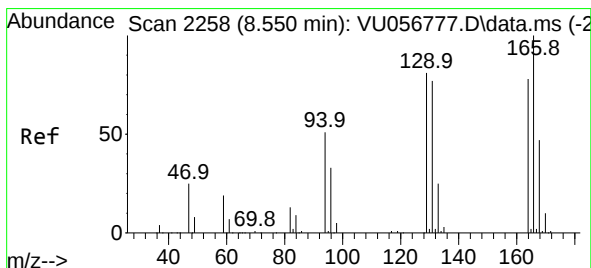
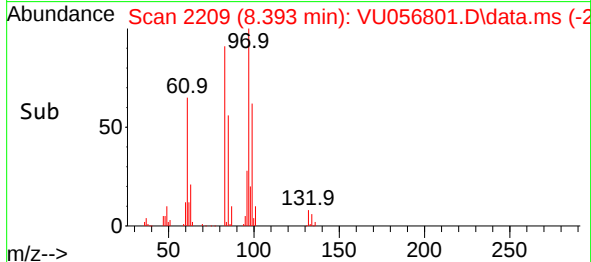
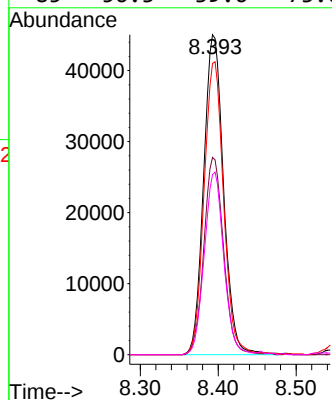
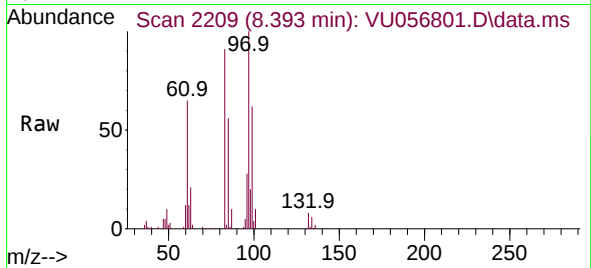




#45
1,1,2-Trichloroethane
Concen: 5.089 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

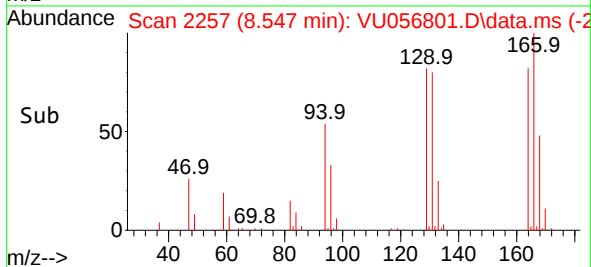
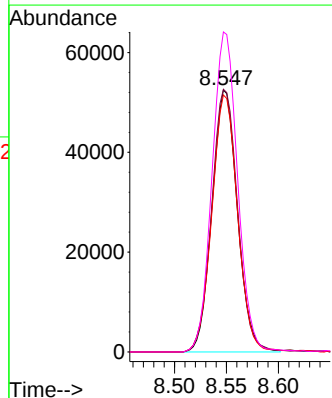
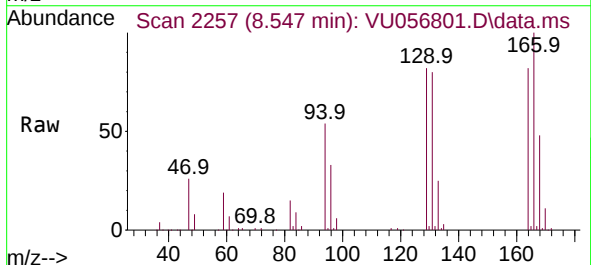
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

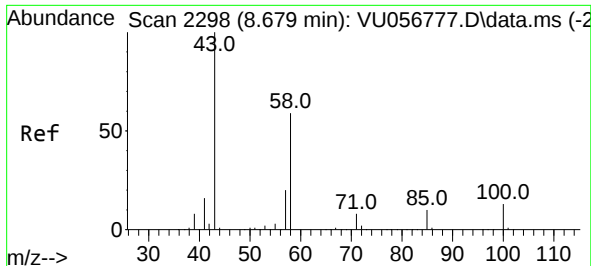
Tgt Ion: 97	Resp: 79923
Ion Ratio	Lower Upper
97 100	
99 61.6	41.9 77.9
83 91.0	59.1 109.7
85 56.3	39.6 73.6



#47
Tetrachloroethene
Concen: 5.113 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt	Ion:164	Resp:	89148
Ion	Ratio	Lower	Upper
164	100		
129	100.3	73.4	136.4
131	98.1	71.5	132.9
166	122.2	92.7	172.1



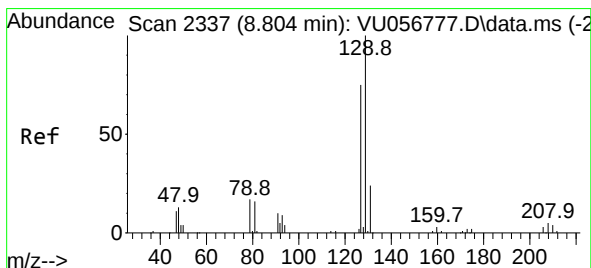
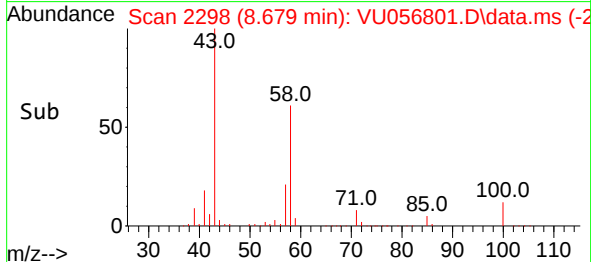
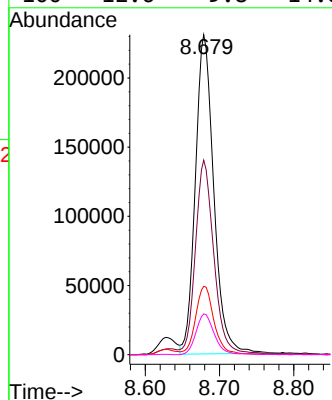
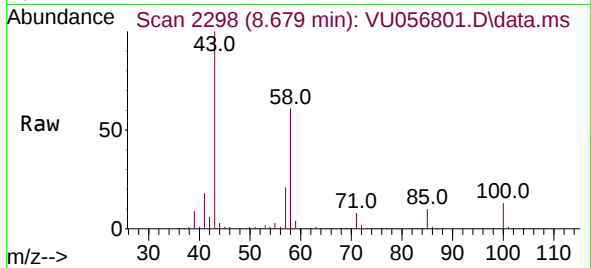


#48
2-Hexanone
Concen: 50.782 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

Tgt Ion: 43 Resp: 398997

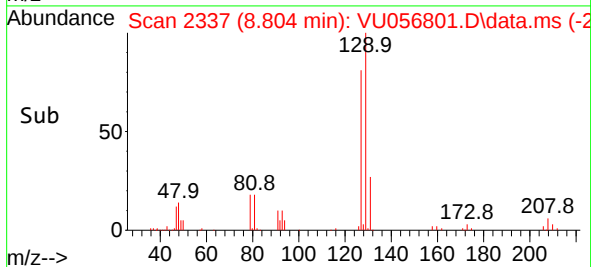
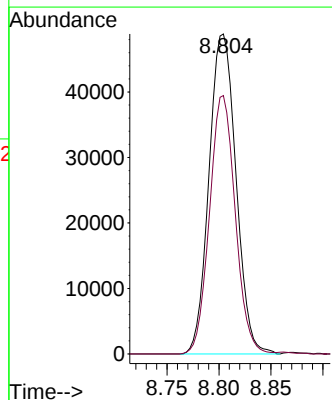
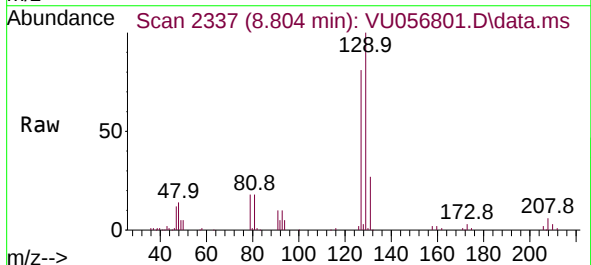
Ion	Ratio	Lower	Upper
43	100		
58	60.4	47.5	71.3
57	21.1	17.0	25.4
100	12.6	9.8	14.8

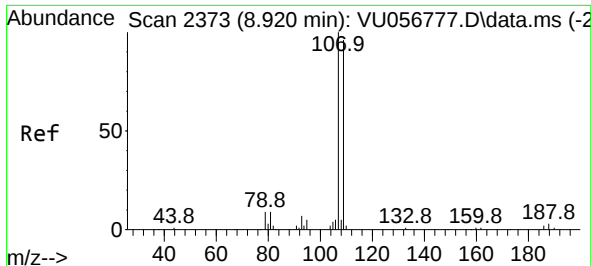


#49
Dibromochloromethane
Concen: 4.892 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 129 Resp: 88324

Ion	Ratio	Lower	Upper
129	100		
127	80.7	53.9	100.1

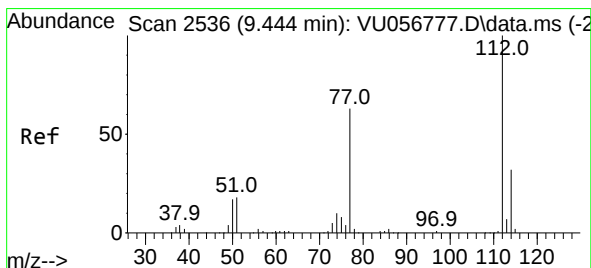
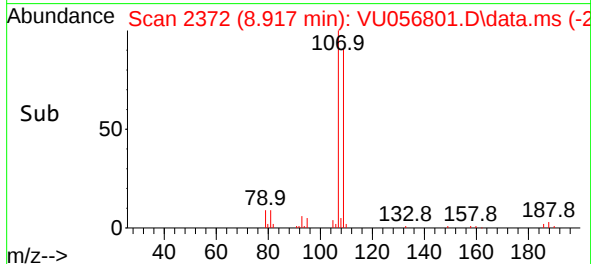
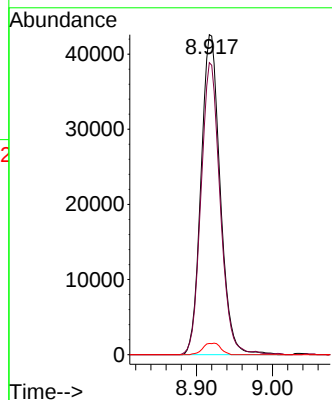
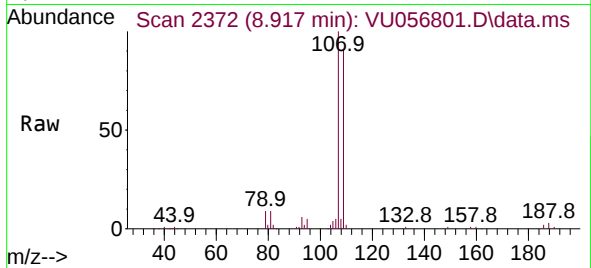




#50
1,2-Dibromoethane
Concen: 5.106 ug/L
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

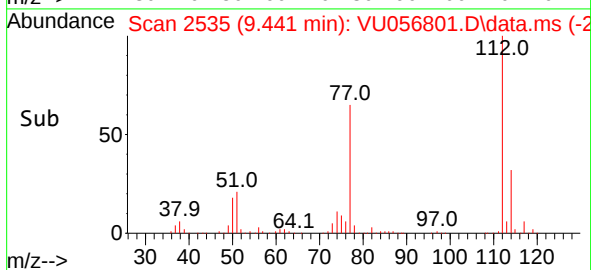
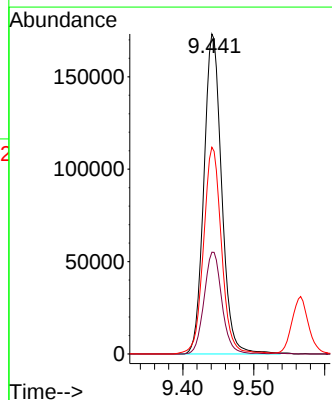
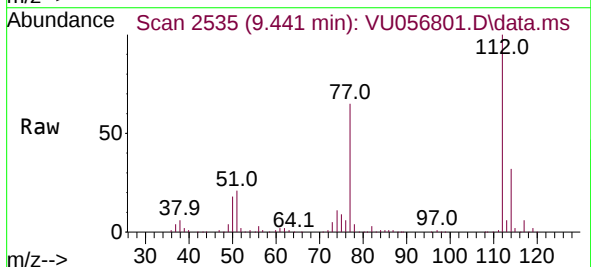
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

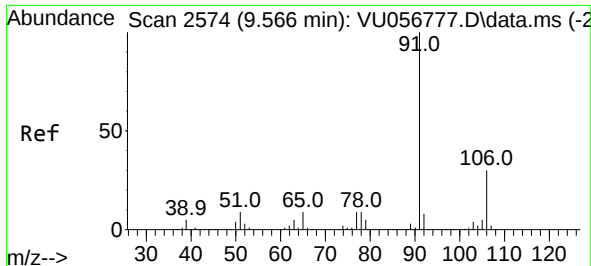
Tgt Ion:107 Resp: 74428
Ion Ratio Lower Upper
107 100
109 91.2 66.5 123.5
188 3.5 2.9 4.3



#51
Chlorobenzene
Concen: 5.035 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion:112 Resp: 301561
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 64.6 51.6 77.4

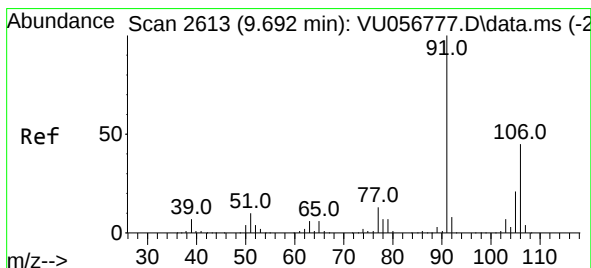
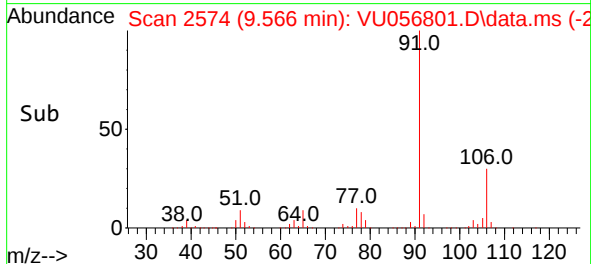
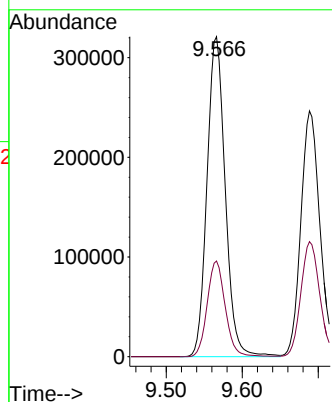
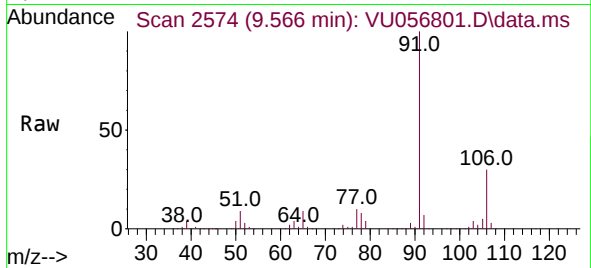




#52
Ethylbenzene
Concen: 5.150 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

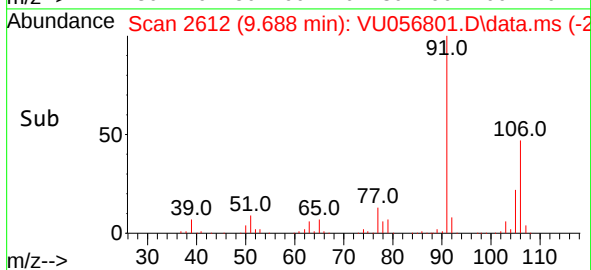
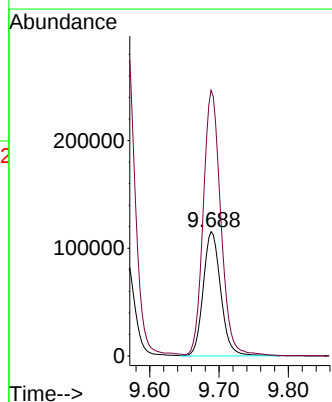
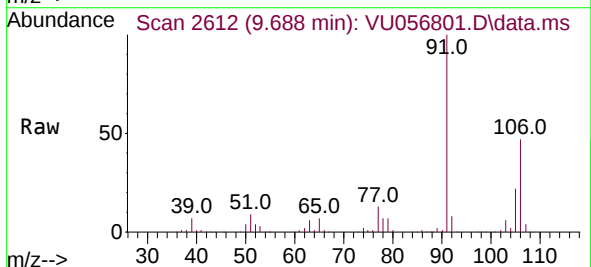
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

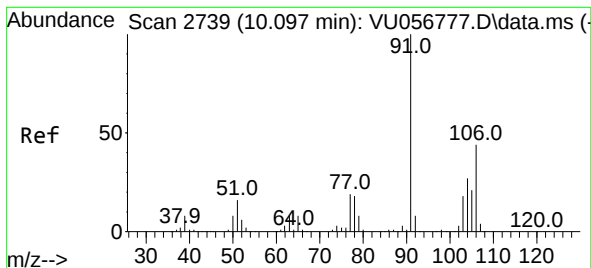
Tgt Ion: 91 Resp: 533838
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.4



#53
m,p-Xylene
Concen: 5.243 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion: 106 Resp: 202484
Ion Ratio Lower Upper
106 100
91 213.5 154.0 286.0





#54

o-Xylene

Concen: 5.249 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

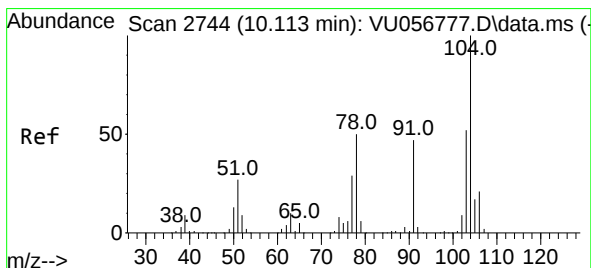
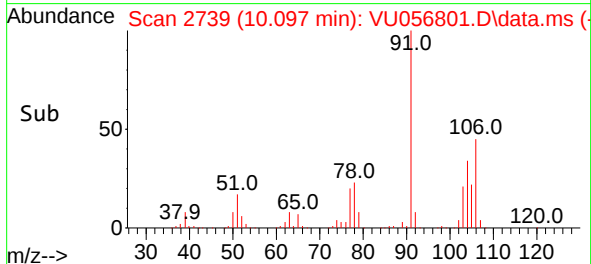
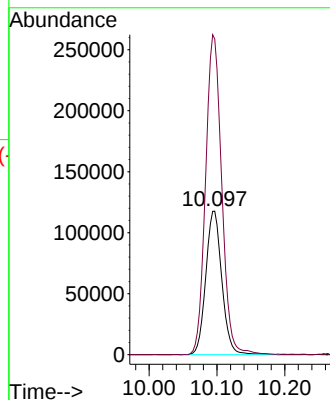
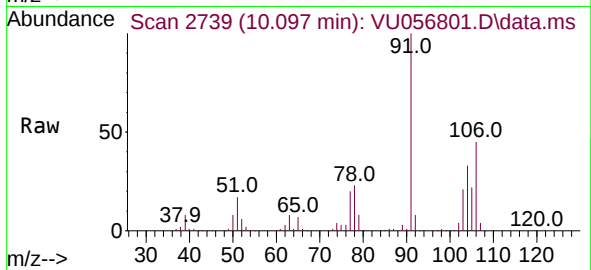
VSTD005198

Tgt Ion:106 Resp: 193142

Ion Ratio Lower Upper

106 100

91 219.9 160.2 297.6



#55

Styrene

Concen: 5.317 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU056801.D

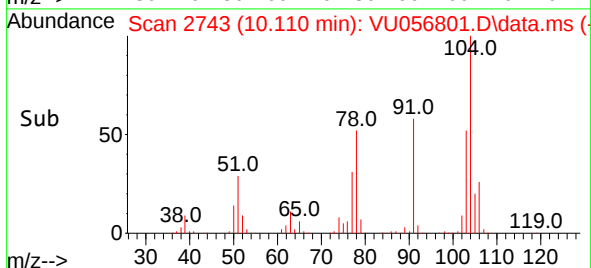
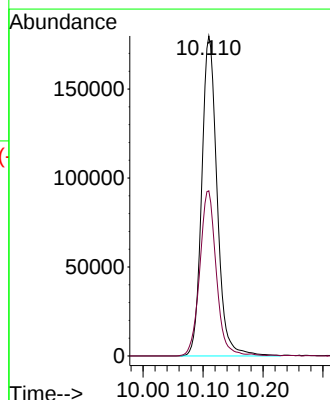
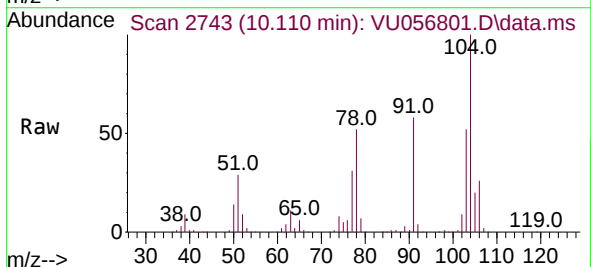
Acq: 12 Dec 2023 21:46

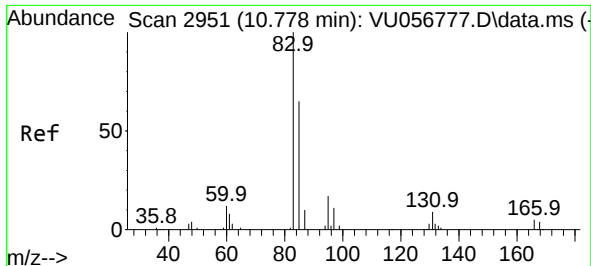
Tgt Ion:104 Resp: 321265

Ion Ratio Lower Upper

104 100

78 51.6 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.022 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

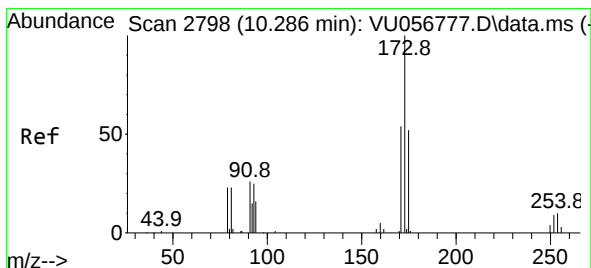
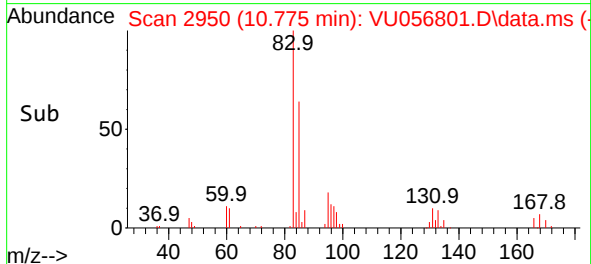
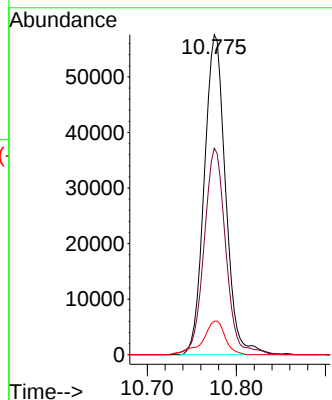
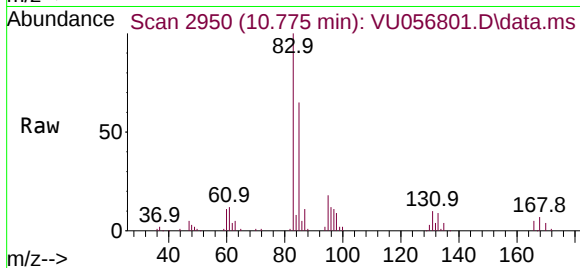
Tgt Ion: 83 Resp: 95301

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.4

131 10.4 6.6 9.8#



#59

Bromoform

Concen: 4.778 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

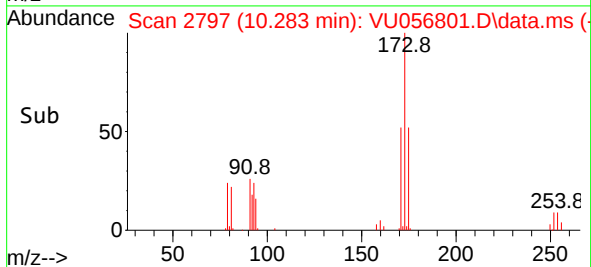
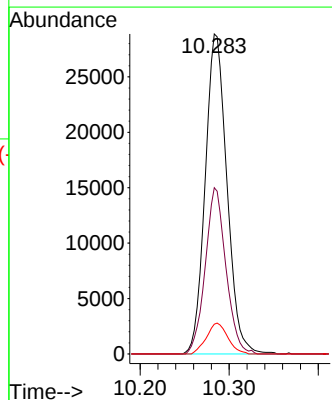
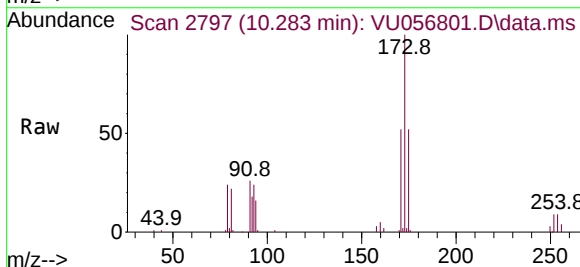
Tgt Ion:173 Resp: 48811

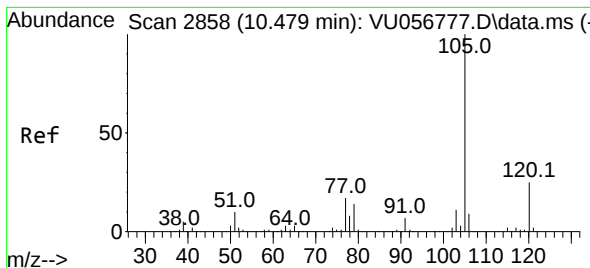
Ion Ratio Lower Upper

173 100

175 49.4 38.2 57.2

254 9.5 7.0 10.4





#60

Isopropylbenzene

Concen: 5.233 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

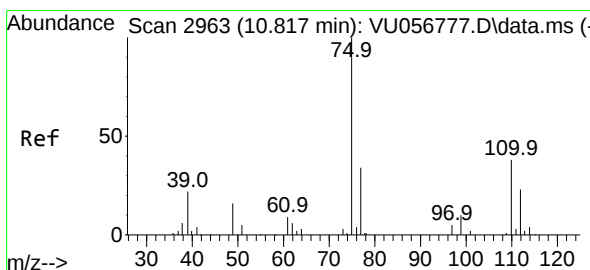
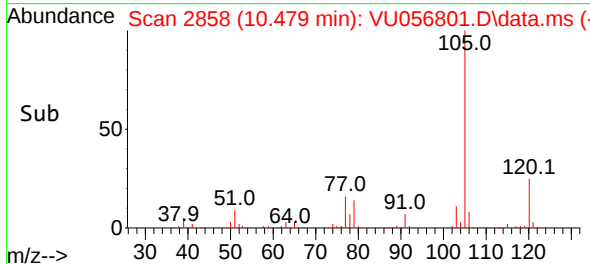
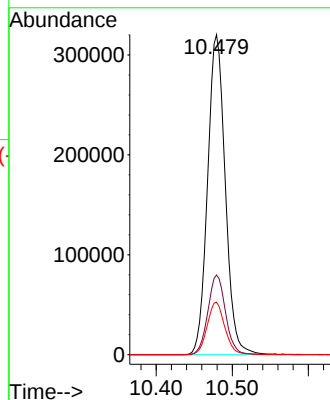
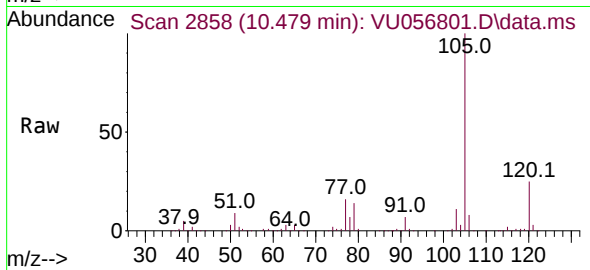
Tgt Ion:105 Resp: 517293

Ion Ratio Lower Upper

105 100

120 24.9 20.1 30.1

77 16.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.910 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

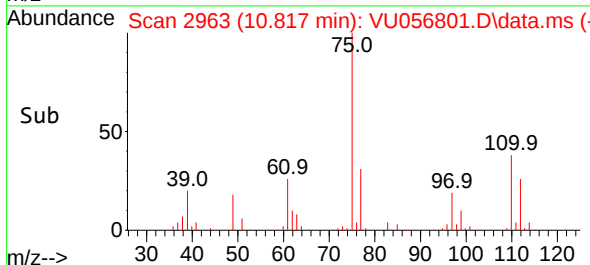
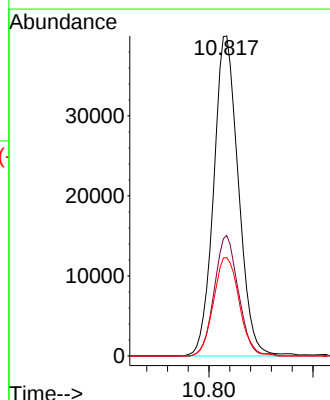
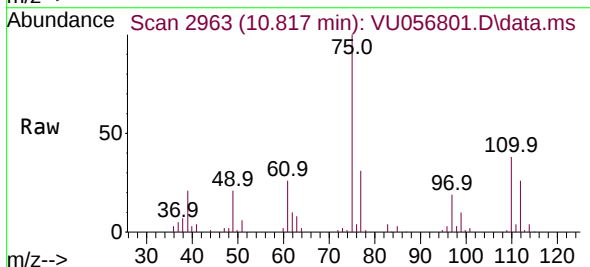
Tgt Ion: 75 Resp: 65968

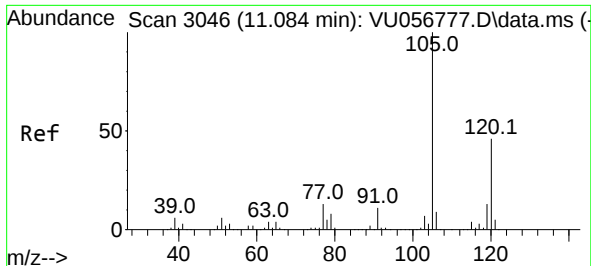
Ion Ratio Lower Upper

75 100

110 36.6 28.4 42.6

77 32.0 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.233 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

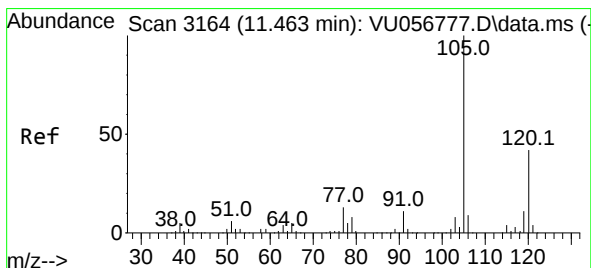
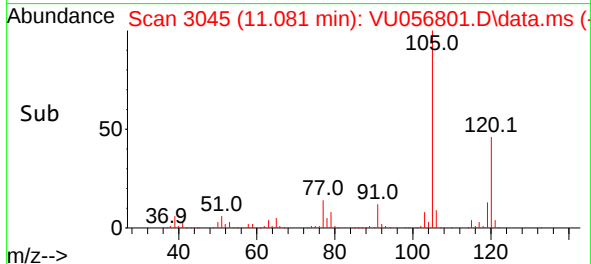
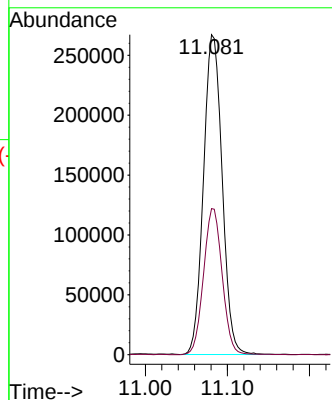
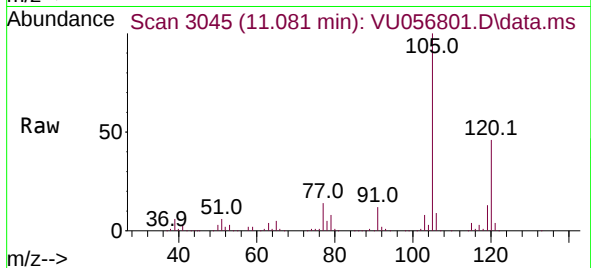
VSTD005198

Tgt Ion:105 Resp: 422820

Ion Ratio Lower Upper

105 100

120 45.6 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 5.270 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056801.D

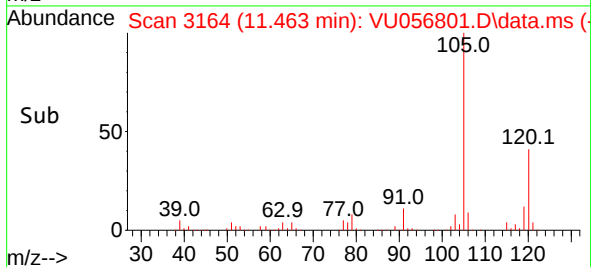
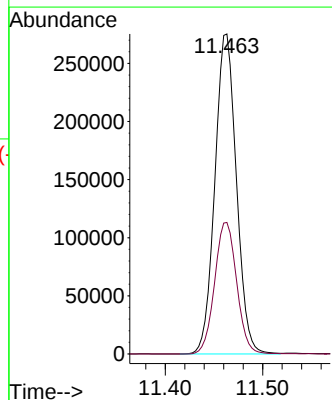
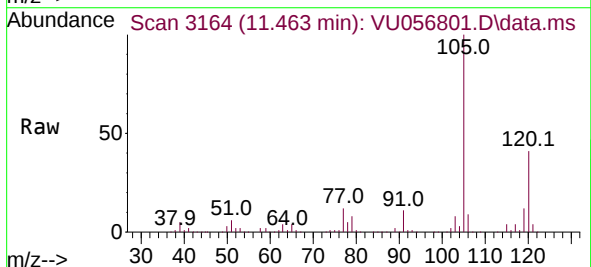
Acq: 12 Dec 2023 21:46

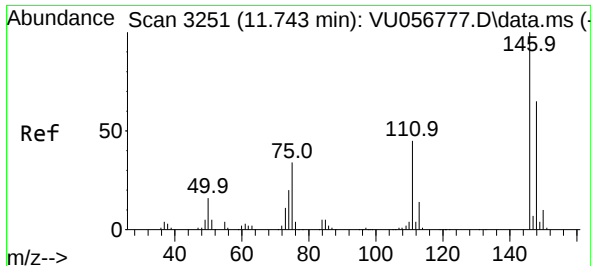
Tgt Ion:105 Resp: 422883

Ion Ratio Lower Upper

105 100

120 42.1 34.2 51.4

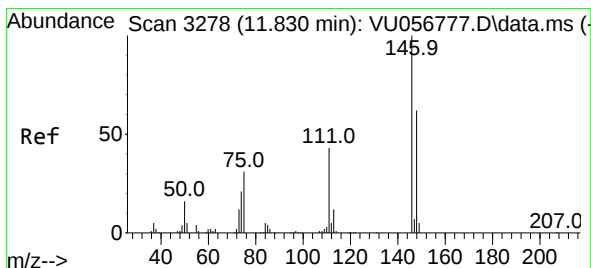
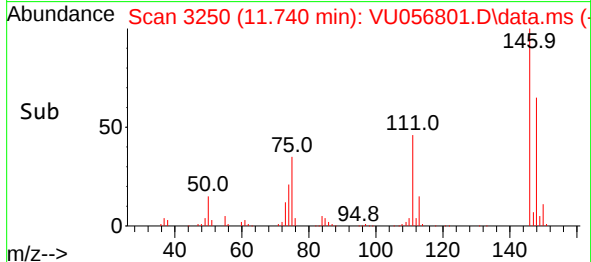
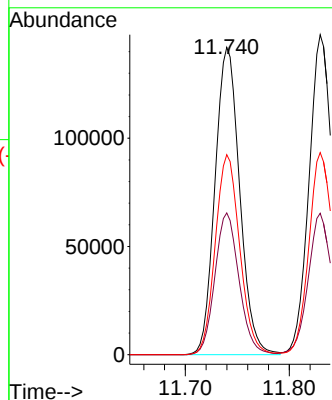
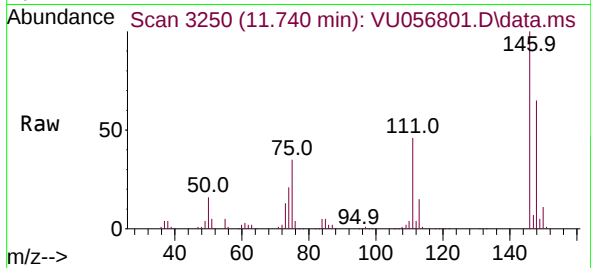




#64
1,3-Dichlorobenzene
Concen: 5.012 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

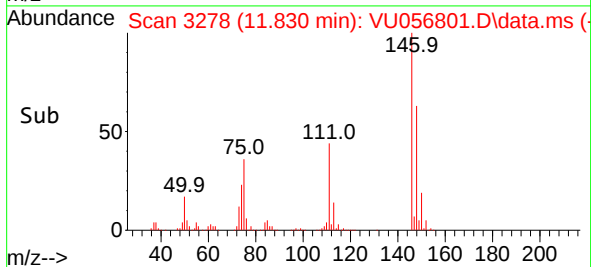
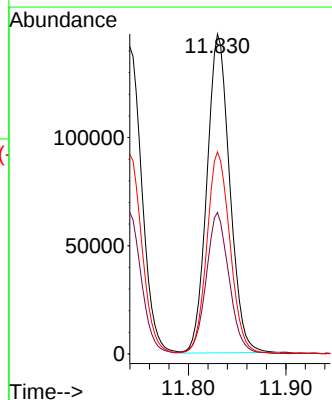
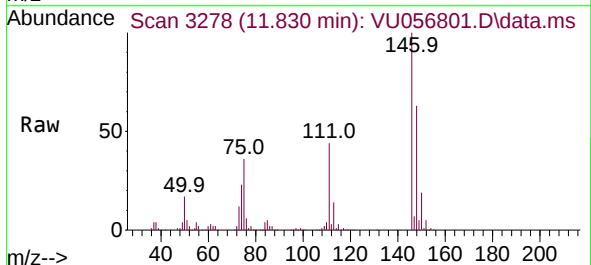
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

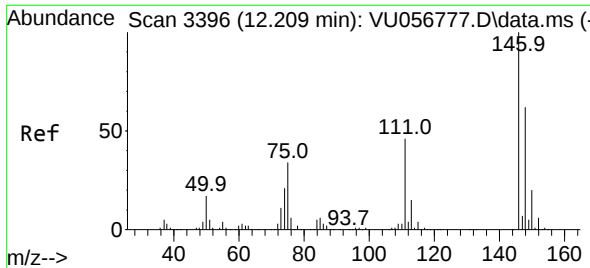
Tgt Ion:146 Resp: 234399
Ion Ratio Lower Upper
146 100
111 46.1 31.7 58.9
148 65.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.203 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU056801.D
Acq: 12 Dec 2023 21:46

Tgt Ion:146 Resp: 239583
Ion Ratio Lower Upper
146 100
111 44.2 31.2 58.0
148 63.2 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.183 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

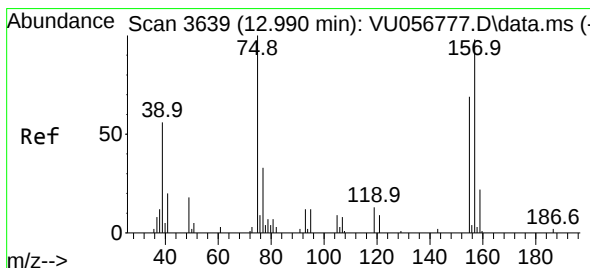
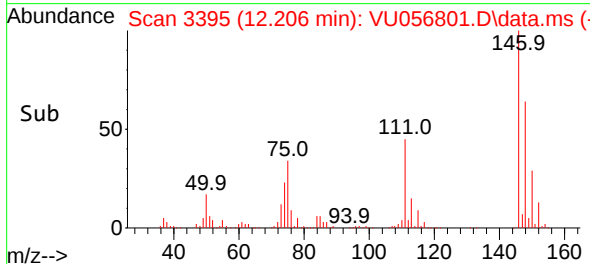
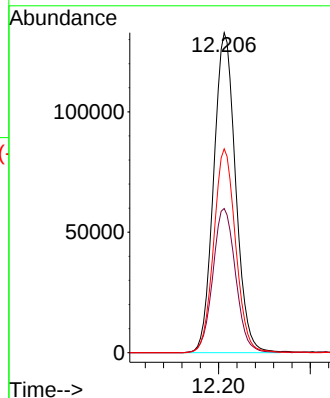
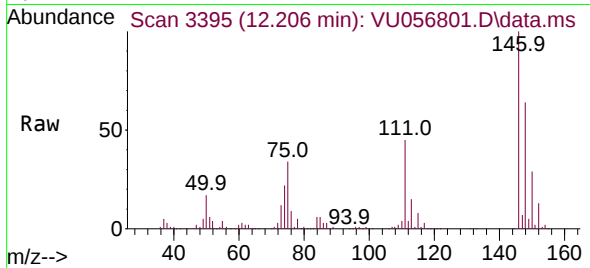
Tgt Ion:146 Resp: 220826

Ion Ratio Lower Upper

146 100

111 45.0 36.9 55.3

148 63.7 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.645 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

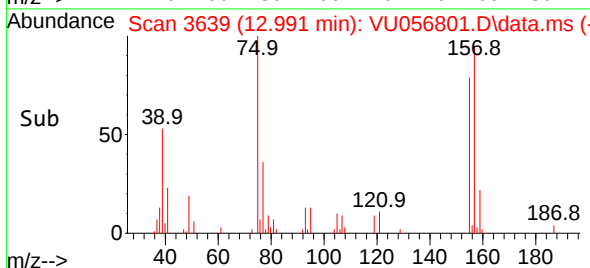
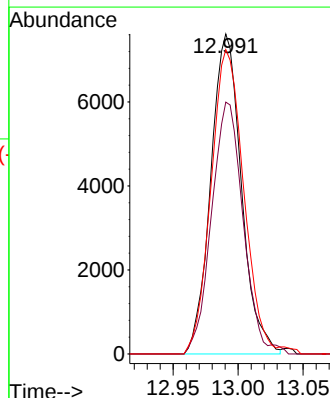
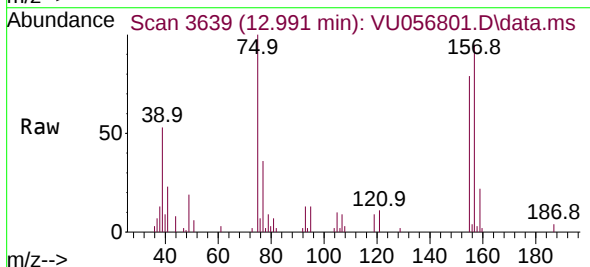
Tgt Ion: 75 Resp: 12460

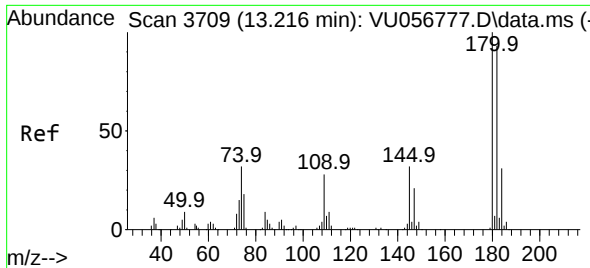
Ion Ratio Lower Upper

75 100

155 78.7 55.4 83.2

157 95.1 77.3 115.9

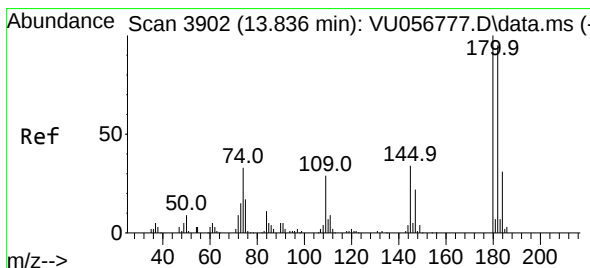
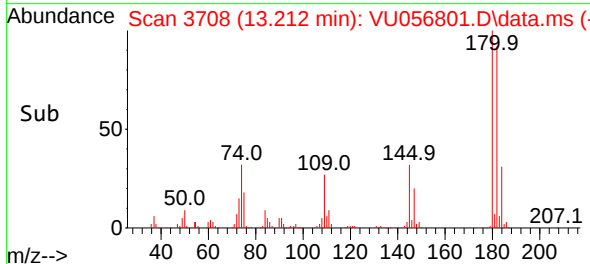
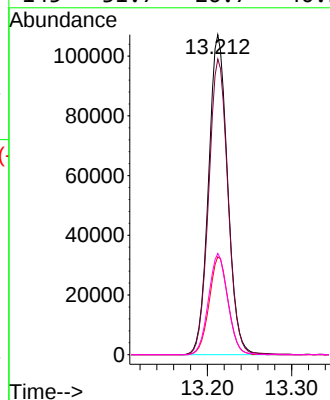
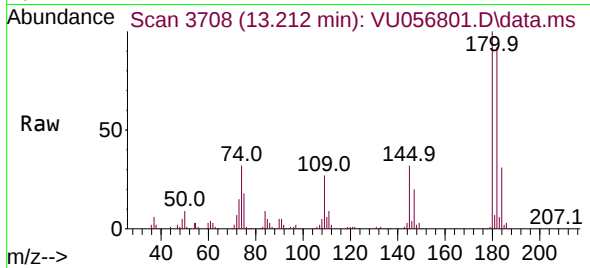




#69
 1,3,5-Trichlorobenzene
 Concen: 4.783 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056801.D
 Acq: 12 Dec 2023 21:46

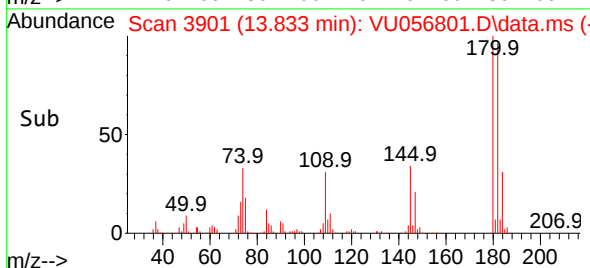
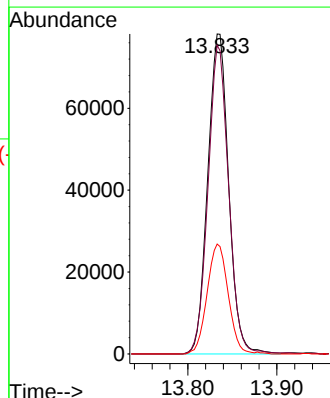
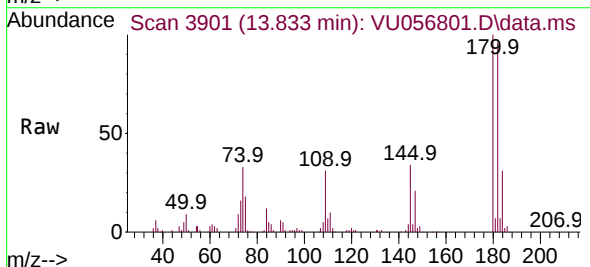
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

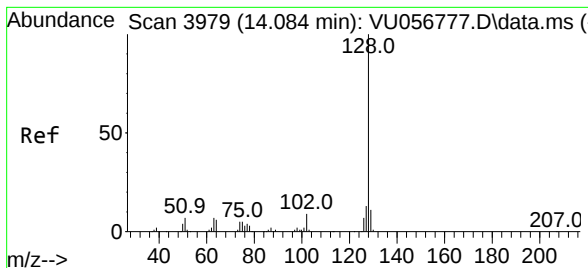
Tgt Ion:180 Resp: 169004
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.2 114.4
 184 30.3 24.6 37.0
 145 31.7 26.7 40.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.534 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU056801.D
 Acq: 12 Dec 2023 21:46

Tgt Ion:180 Resp: 126869
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.3 111.5
 145 34.6 26.7 40.1





#71

Naphthalene

Concen: 4.245 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

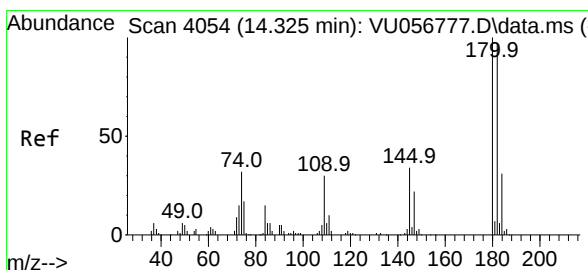
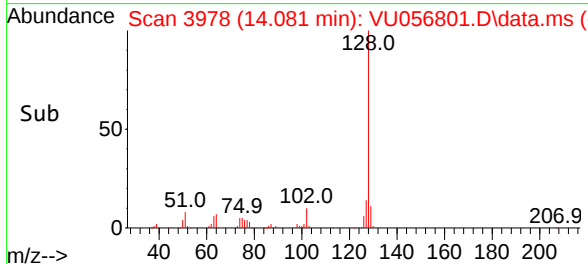
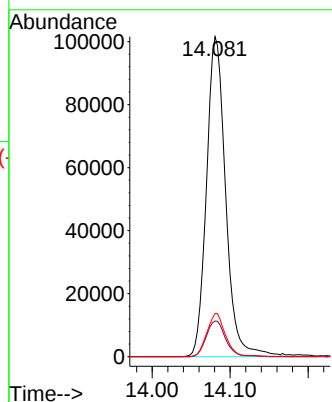
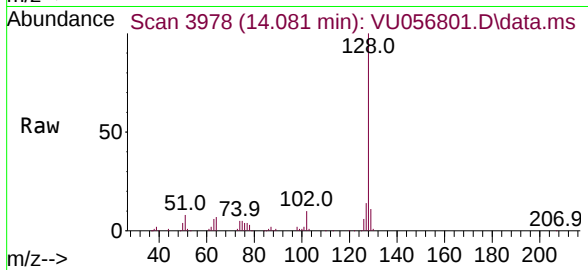
Tgt Ion:128 Resp: 173826

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.2 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.538 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU056801.D

Acq: 12 Dec 2023 21:46

Tgt Ion:180 Resp: 107818

Ion Ratio Lower Upper

180 100

182 90.4 75.0 112.6

145 34.6 28.6 42.8

