

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062223\
 Data File : VU054643.D
 Acq On : 22 Jun 2023 09:27
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

Quant Time: Jun 23 04:26:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 22 02:42:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	313478	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	297573	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	146684	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	110463	5.537	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.800%
7) Chloroethane-d5	1.914	69	86342	4.622	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.563	65	41939	4.707	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.631	46	245765	43.815	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.640%
24) Chloroform-d	5.058	84	179724	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.698	65	84054	4.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
32) Benzene-d6	5.724	84	347805	4.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.685	67	115231	4.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.894	98	307279	4.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.174	79	39690	4.132	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.631	63	166985	41.433	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.860%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	84164	4.086	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	102277	4.134	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	120645	4.119	ug/L	99
3) Chloromethane	1.522	50	149013	4.429	ug/L	100
5) Vinyl chloride	1.605	62	155245	4.495	ug/L	100
6) Bromomethane	1.859	94	80565	4.243	ug/L	96
8) Chloroethane	1.933	64	98733	4.769	ug/L	99
9) Trichlorofluoromethane	2.136	101	197583	4.654	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	116558	4.693	ug/L	98
12) 1,1-Dichloroethene	2.579	96	104379	4.591	ug/L	89
13) Acetone	2.640	43	198755	37.581	ug/L	99
14) Carbon disulfide	2.792	76	275051	4.079	ug/L	99
15) Methyl Acetate	2.952	43	50068	5.109	ug/L	95
16) Methylene chloride	3.046	84	136592	4.272	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	263125	4.689	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	104400	4.447	ug/L	97
19) 1,1-Dichloroethane	3.865	63	250773	5.162	ug/L	99
21) 2-Butanone	4.708	43	337753	49.209	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	126882	4.746	ug/L	99
23) Bromochloromethane	4.972	128	52538	4.723	ug/L	93
25) Chloroform	5.084	83	241312	5.038	ug/L	100

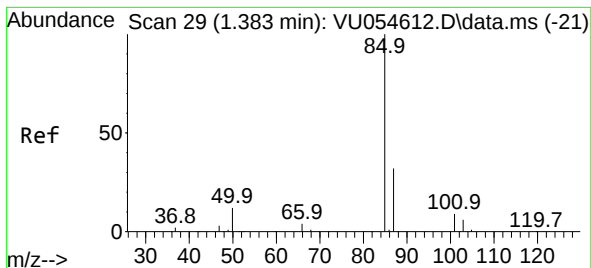
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062223\
 Data File : VU054643.D
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 23 04:26:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 22 02:42:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	143972	5.128	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	199147	4.935	ug/L	98
30) Cyclohexane	5.386	56	187952	4.276	ug/L	98
31) Carbon tetrachloride	5.521	117	164737	4.738	ug/L	99
33) Benzene	5.769	78	509501	4.764	ug/L	100
34) Trichloroethene	6.537	95	129703	4.586	ug/L	97
35) Methylcyclohexane	6.759	83	168658	3.946	ug/L	95
37) 1,2-Dichloropropane	6.788	63	144878	5.010	ug/L	100
38) Bromodichloromethane	7.103	83	167786	5.126	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	176722	4.476	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	820022	53.140	ug/L	97
42) Toluene	7.965	91	528218	4.796	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	147432	4.602	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	92753	5.042	ug/L	97
47) Tetrachloroethene	8.550	164	87830	4.057	ug/L	98
48) 2-Hexanone	8.682	43	583632	50.760	ug/L	98
49) Dibromochloromethane	8.807	129	97725	5.059	ug/L	97
50) 1,2-Dibromoethane	8.920	107	83099	4.920	ug/L	94
51) Chlorobenzene	9.444	112	318468	4.639	ug/L	98
52) Ethylbenzene	9.566	91	551229	4.583	ug/L	100
53) m,p-Xylene	9.692	106	203611	4.608	ug/L	97
54) o-Xylene	10.097	106	204164	4.778	ug/L	97
55) Styrene	10.110	104	349982	4.880	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	119852	5.129	ug/L	99
59) Bromoform	10.286	173	57747	5.484	ug/L	100
60) Isopropylbenzene	10.479	105	545782	5.086	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	80402	5.424	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	421537	4.815	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	440461	4.954	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	253249	5.049	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	248461	4.936	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	232192	5.033	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	18083	5.551	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	178502	4.717	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	141354	4.517	ug/L	99
71) Naphthalene	14.081	128	215374	4.233	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	122325	4.550	ug/L	97

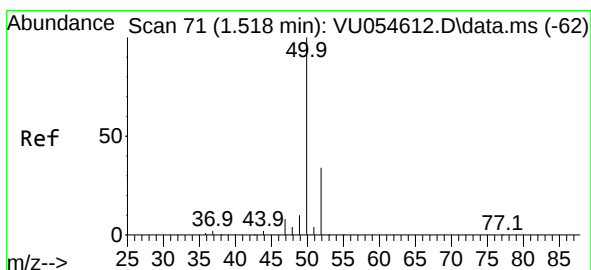
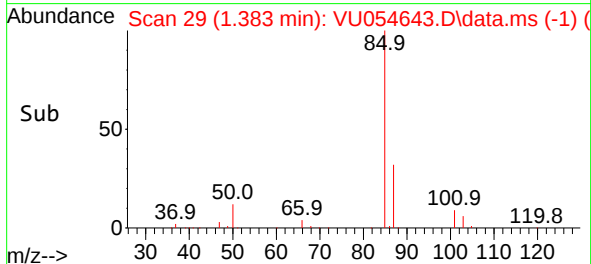
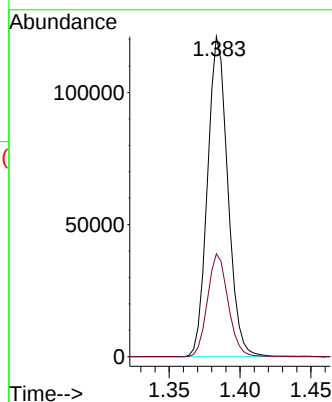
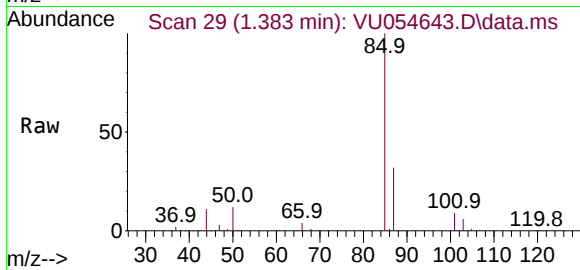
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.119 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

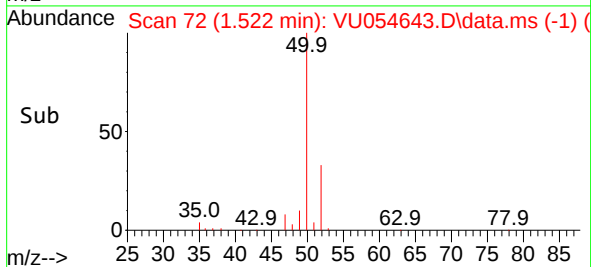
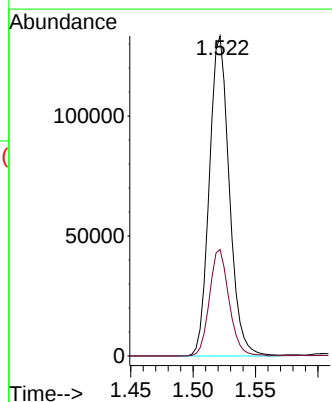
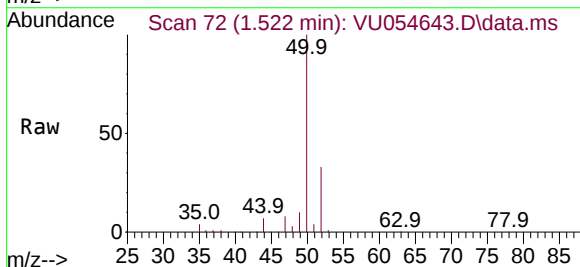
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

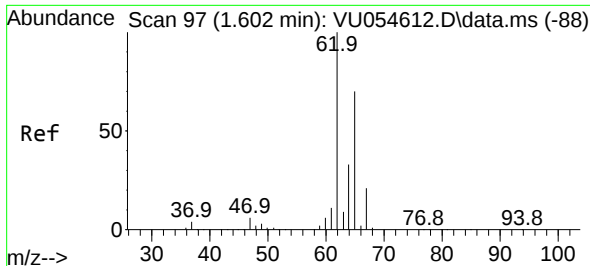
Tgt Ion: 85 Resp: 120645
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.4 38.2



#3
 Chloromethane
 Concen: 4.429 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

Tgt Ion: 50 Resp: 149013
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.4 43.4

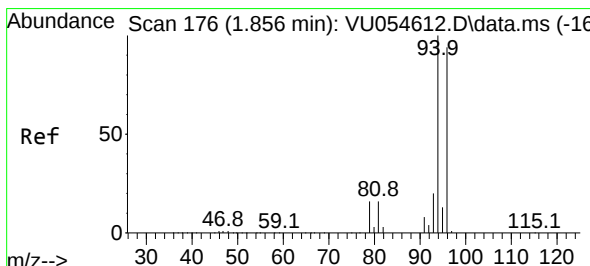
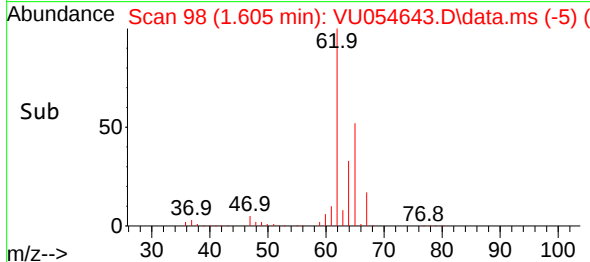
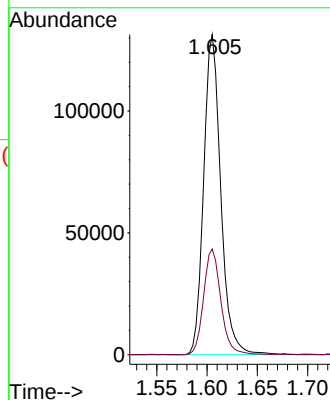
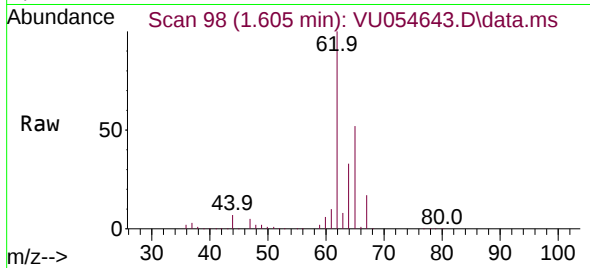




#5
 Vinyl chloride
 Concen: 4.495 ug/L
 RT: 1.605 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

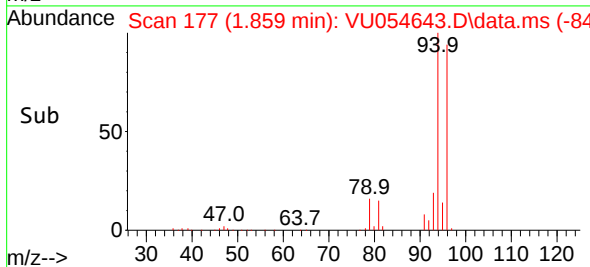
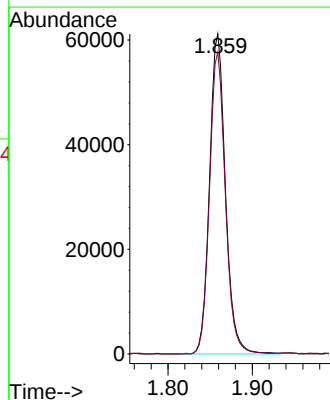
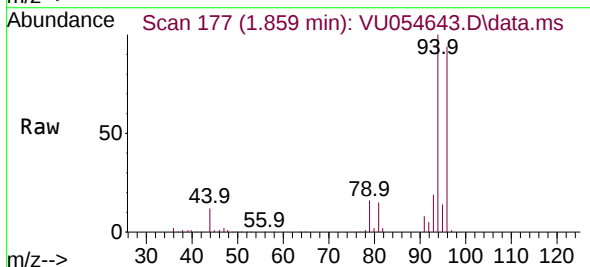
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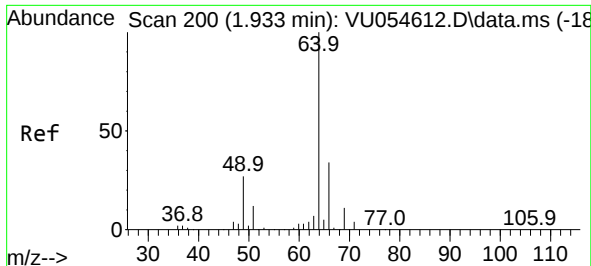
Tgt Ion: 62 Resp: 155245
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.0 42.6



#6
 Bromomethane
 Concen: 4.243 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

Tgt Ion: 94 Resp: 80565
 Ion Ratio Lower Upper
 94 100
 96 94.3 63.6 118.2

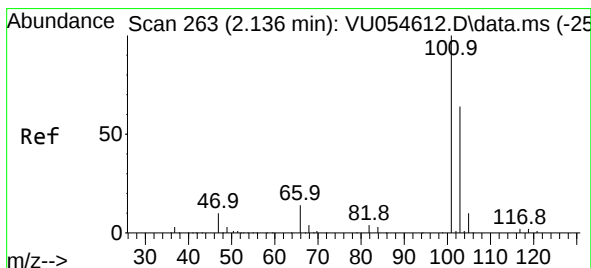
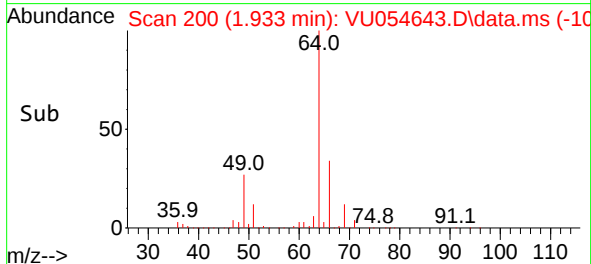
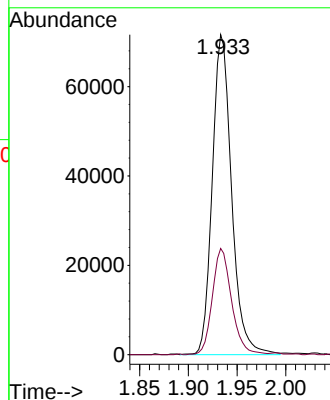
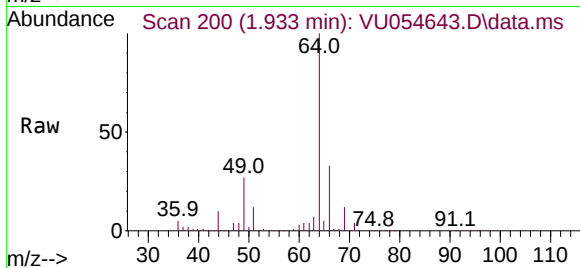




#8
Chloroethane
Concen: 4.769 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

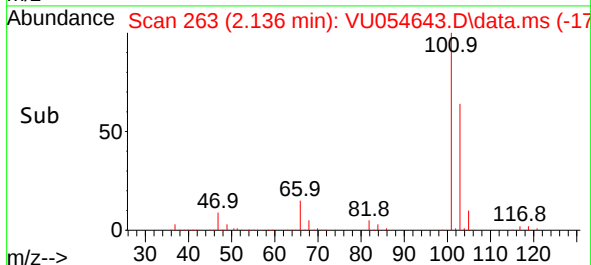
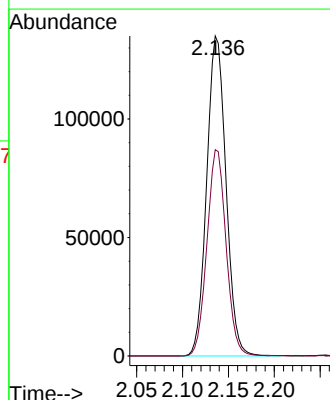
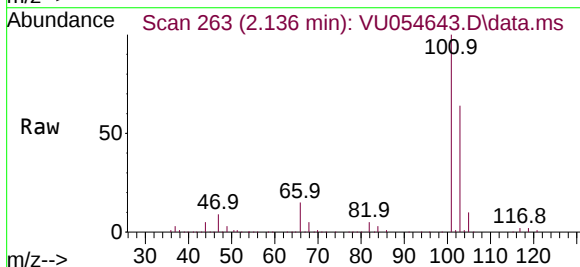
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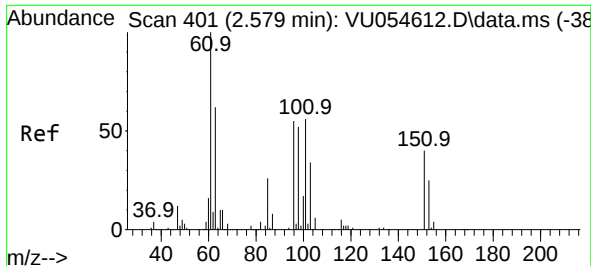
Tgt Ion: 64 Resp: 98733
Ion Ratio Lower Upper
64 100
66 33.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.654 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion:101 Resp: 197583
Ion Ratio Lower Upper
101 100
103 63.9 50.6 75.8

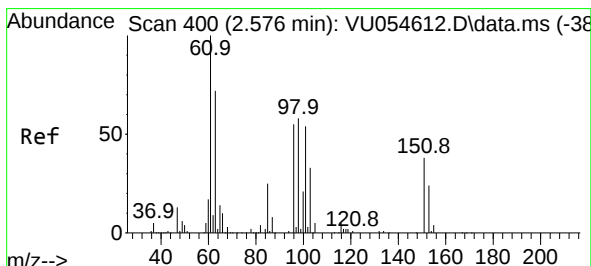
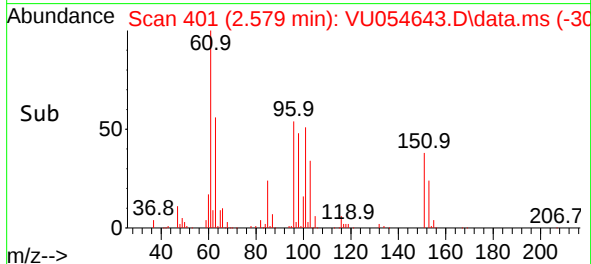
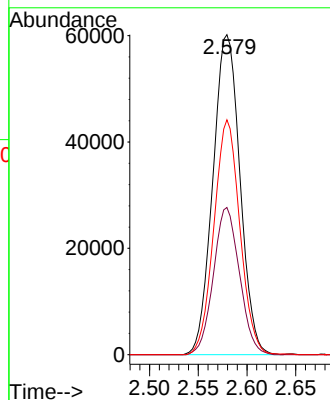
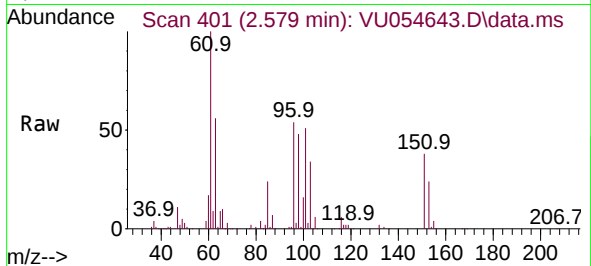




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.693 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

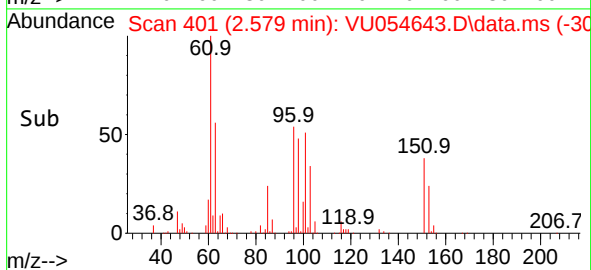
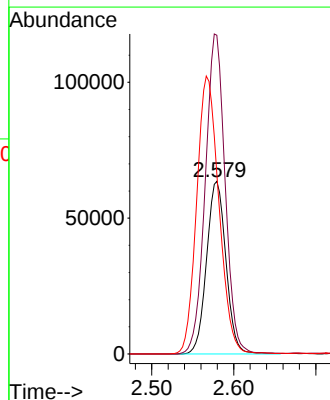
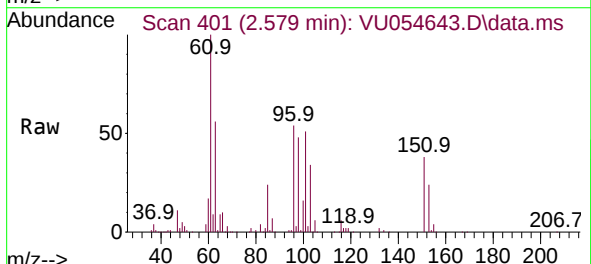
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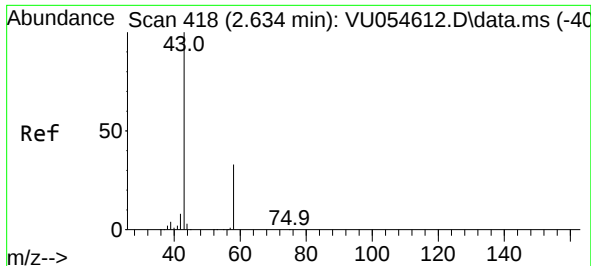
Tgt Ion:101 Resp: 116558
 Ion Ratio Lower Upper
 101 100
 85 44.1 34.6 51.8
 151 70.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.591 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

Tgt Ion: 96 Resp: 104379
 Ion Ratio Lower Upper
 96 100
 61 184.6 119.9 222.7
 63 104.3 64.3 119.3





#13

Acetone

Concen: 37.581 ug/L

RT: 2.640 min Scan# 418

Delta R.T. -0.003 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

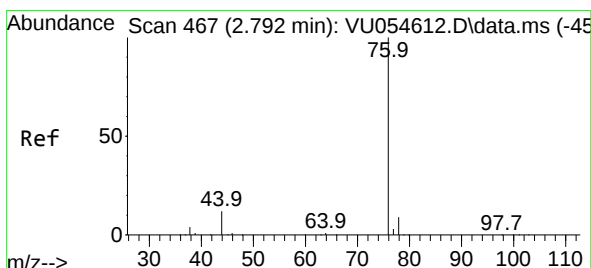
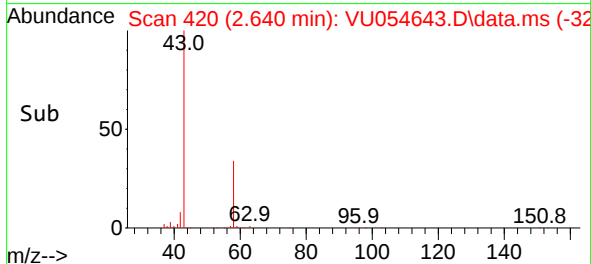
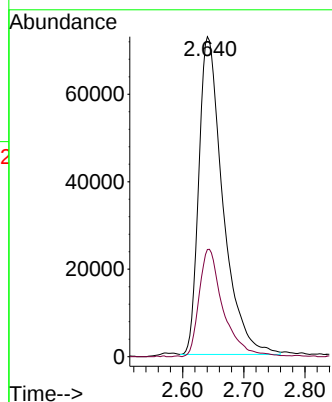
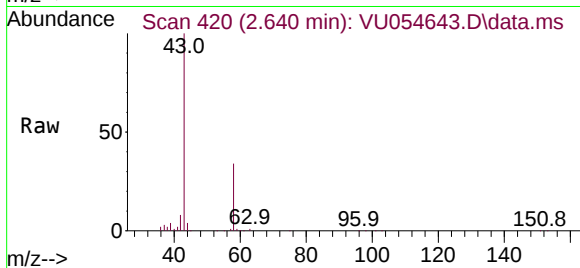
VSTD005195

Tgt Ion: 43 Resp: 198755

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2



#14

Carbon disulfide

Concen: 4.079 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054643.D

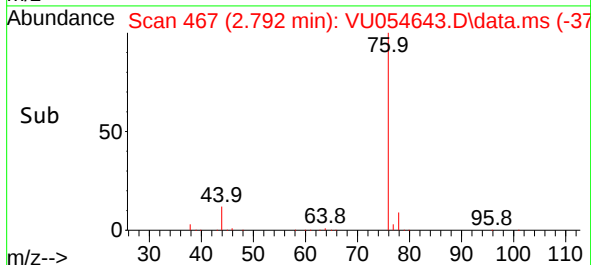
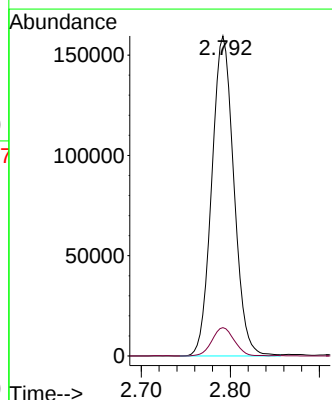
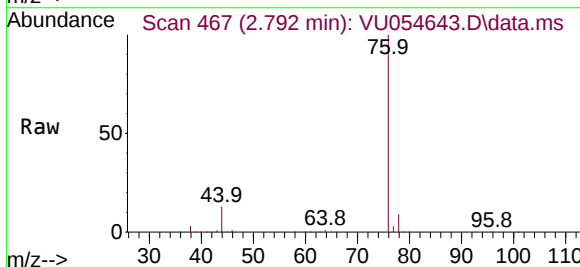
Acq: 22 Jun 2023 09:27

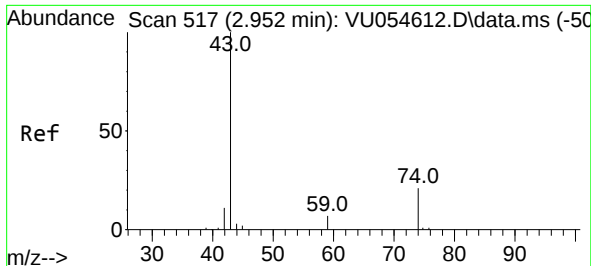
Tgt Ion: 76 Resp: 275051

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

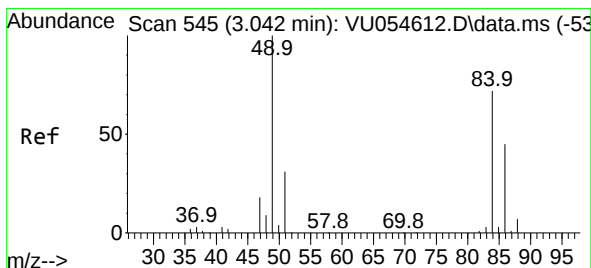
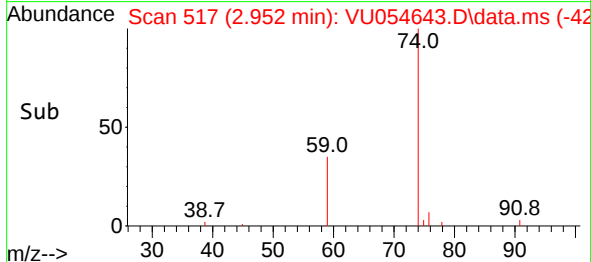
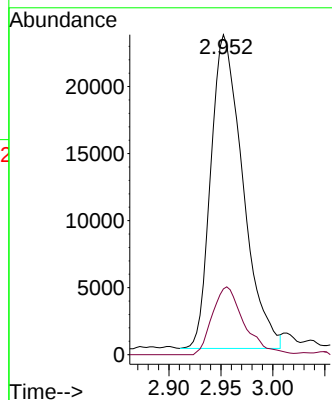
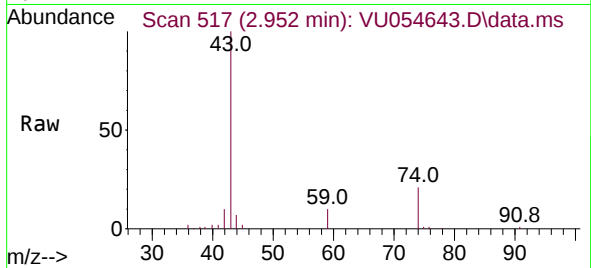




#15
Methyl Acetate
Concen: 5.109 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

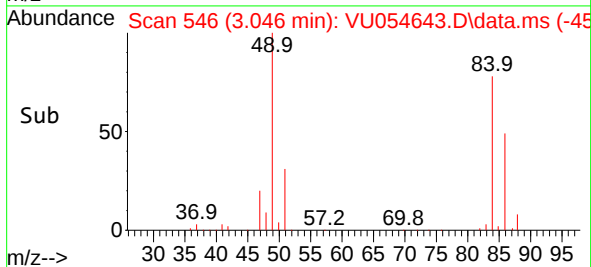
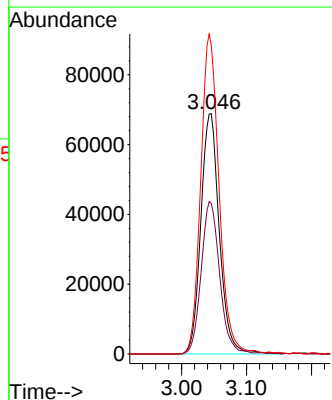
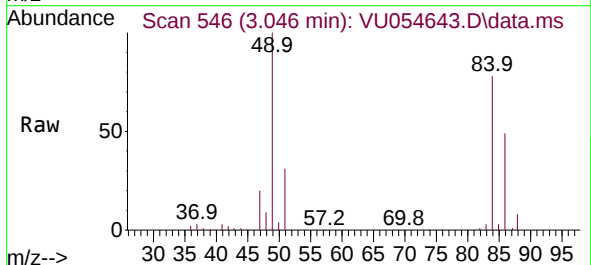
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

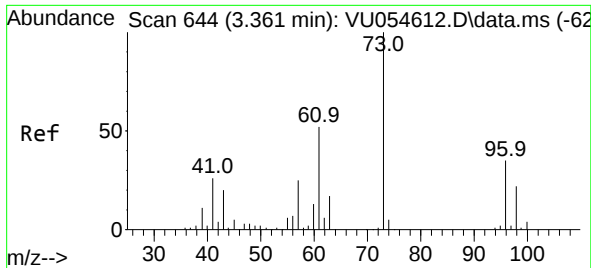
Tgt Ion: 43 Resp: 50068
Ion Ratio Lower Upper
43 100
74 21.6 19.0 28.6



#16
Methylene chloride
Concen: 4.272 ug/L
RT: 3.046 min Scan# 546
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion: 84 Resp: 136592
Ion Ratio Lower Upper
84 100
86 62.8 43.9 81.5
49 128.7 86.1 159.9

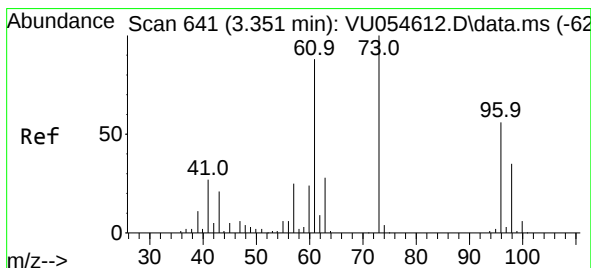
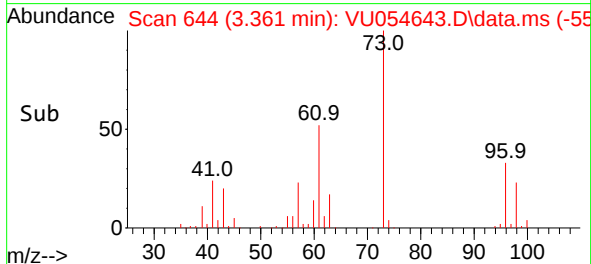
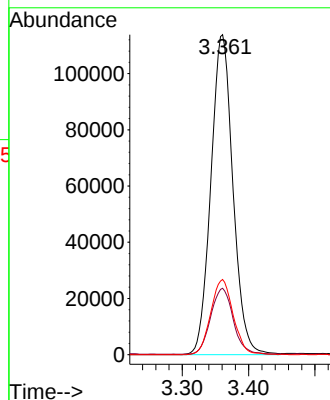
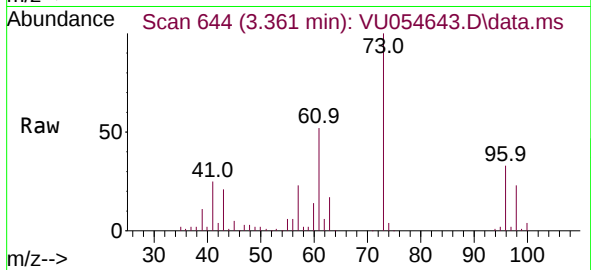




#17
Methyl tert-butyl Ether
Concen: 4.689 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

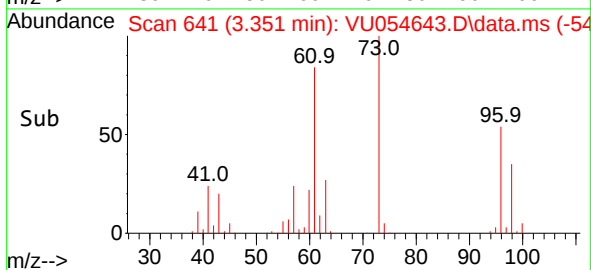
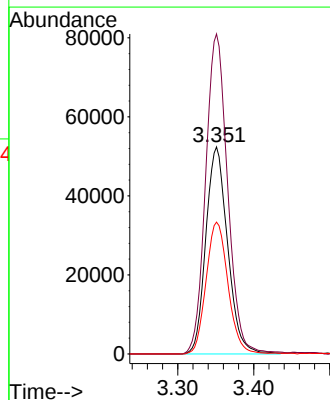
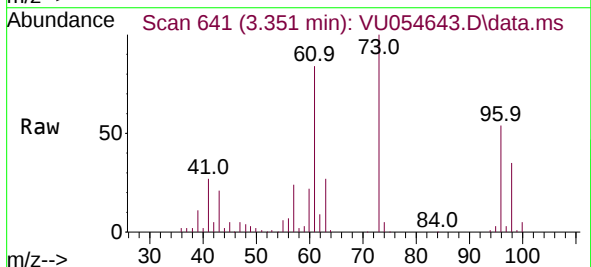
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

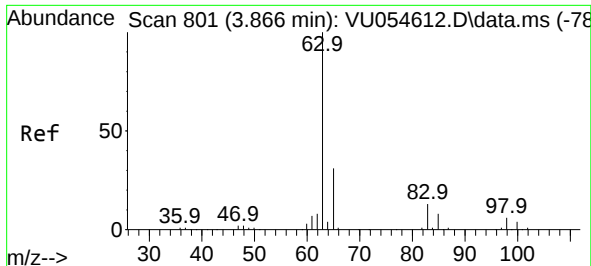
Tgt Ion: 73 Resp: 263125
Ion Ratio Lower Upper
73 100
43 21.0 15.7 23.5
57 23.9 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.447 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion: 96 Resp: 104400
Ion Ratio Lower Upper
96 100
61 154.5 104.6 194.2
98 63.7 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.162 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

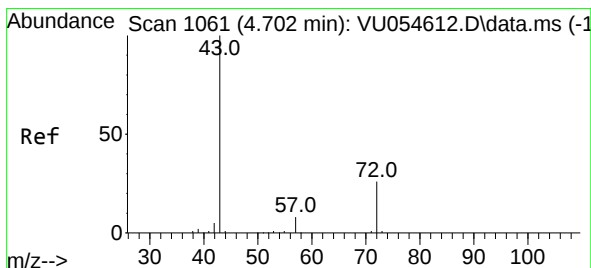
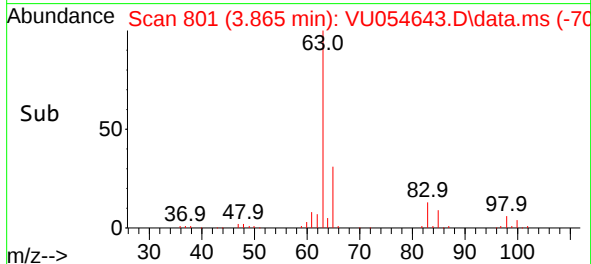
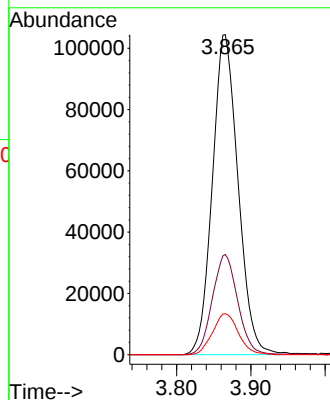
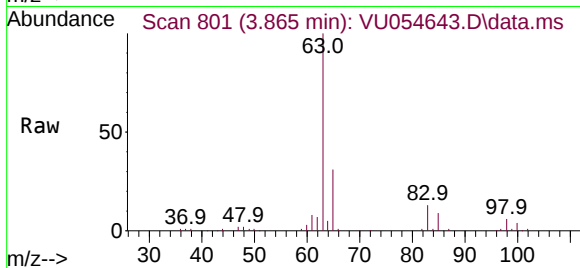
Tgt Ion: 63 Resp: 250773

Ion Ratio Lower Upper

63 100

65 31.3 22.2 41.2

83 12.8 9.0 16.6



#21

2-Butanone

Concen: 49.209 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VU054643.D

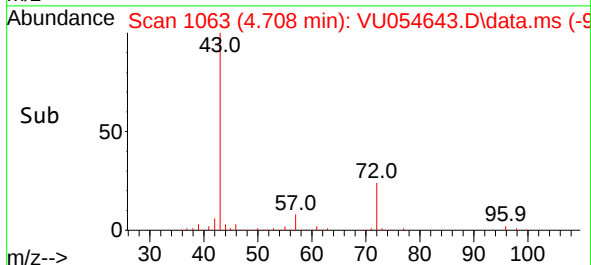
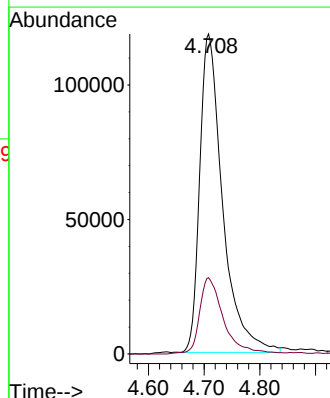
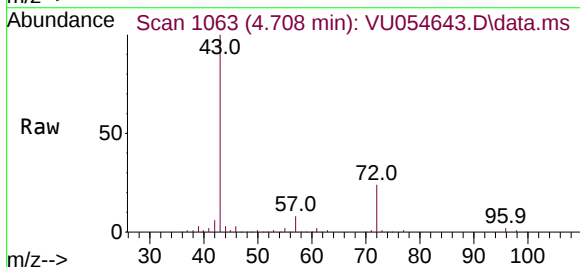
Acq: 22 Jun 2023 09:27

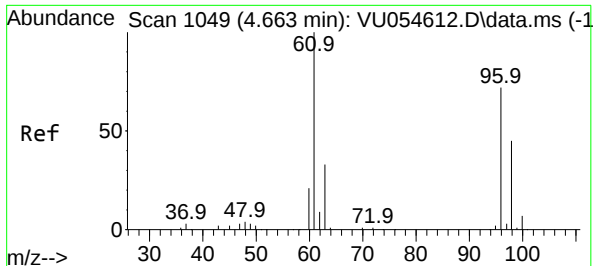
Tgt Ion: 43 Resp: 337753

Ion Ratio Lower Upper

43 100

72 25.1 13.4 40.1

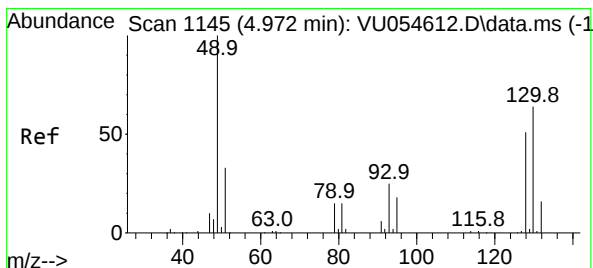
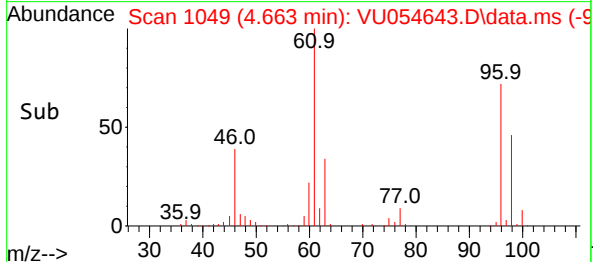
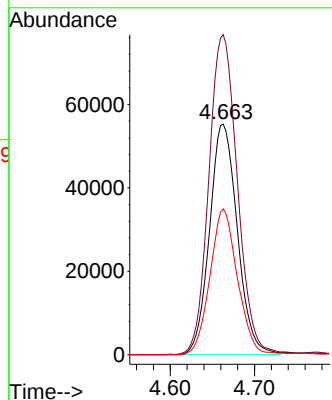
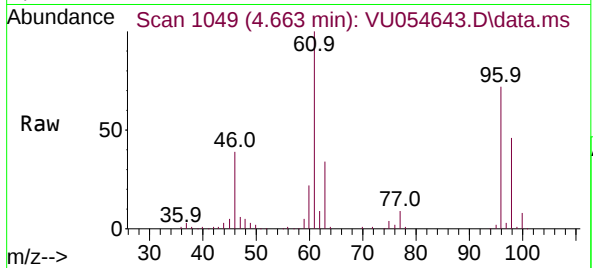




#22
 cis-1,2-Dichloroethene
 Concen: 4.746 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

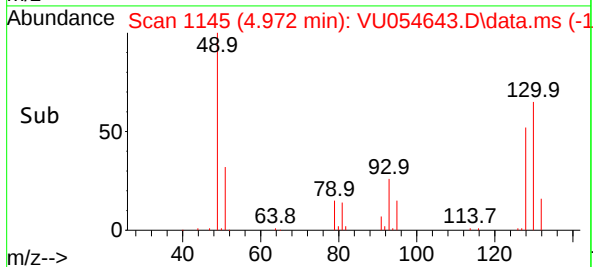
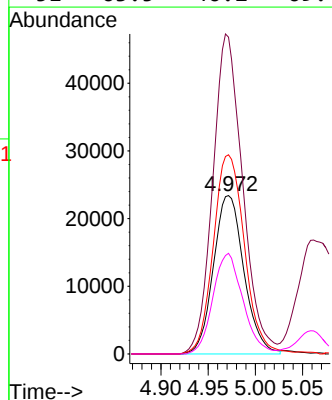
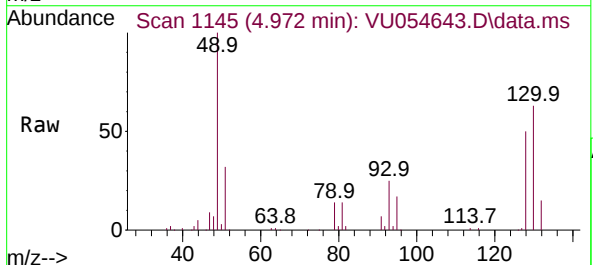
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

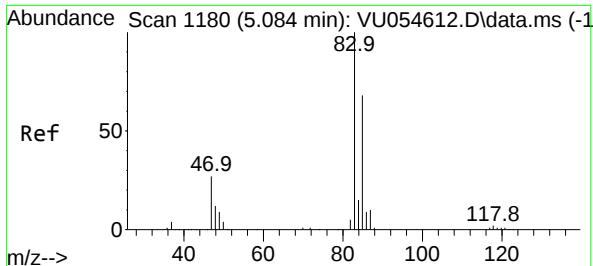
Tgt Ion: 96 Resp: 126882
 Ion Ratio Lower Upper
 96 100
 61 138.8 96.5 179.1
 98 63.2 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.723 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

Tgt Ion: 128 Resp: 52538
 Ion Ratio Lower Upper
 128 100
 49 200.0 132.1 245.3
 130 125.8 91.5 169.9
 51 63.5 46.2 69.4





#25

Chloroform

Concen: 5.038 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

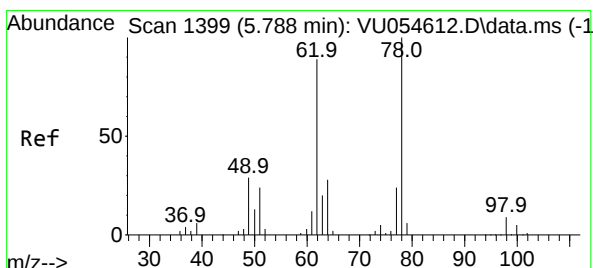
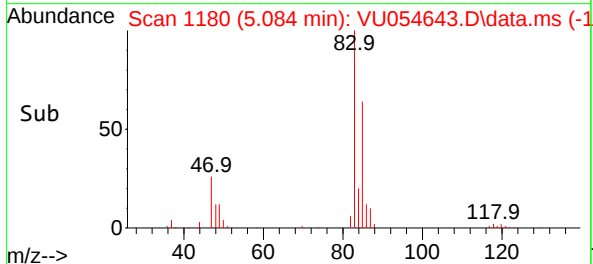
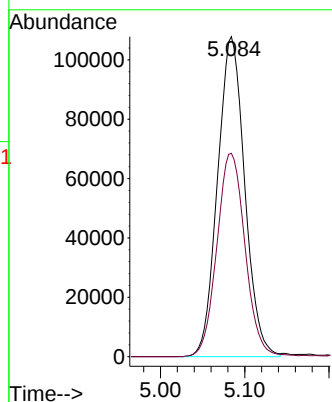
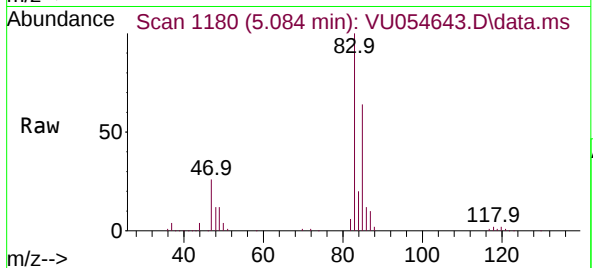
VSTD005195

Tgt Ion: 83 Resp: 241312

Ion Ratio Lower Upper

83 100

85 63.6 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.128 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU054643.D

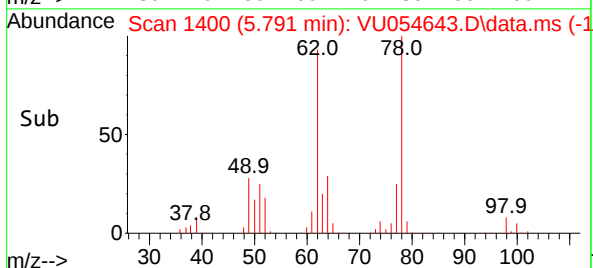
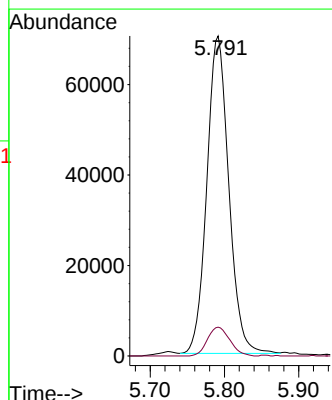
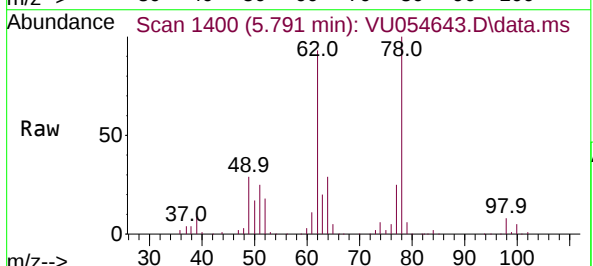
Acq: 22 Jun 2023 09:27

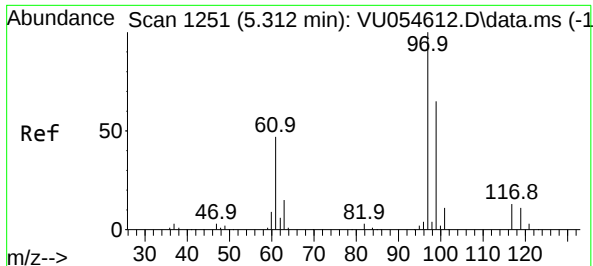
Tgt Ion: 62 Resp: 143972

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.935 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

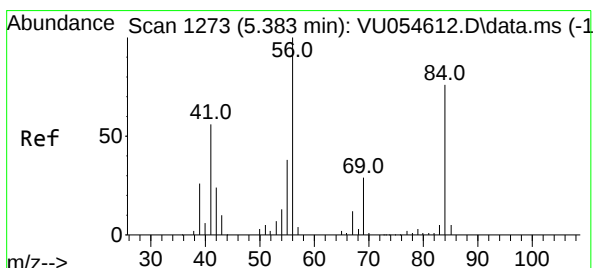
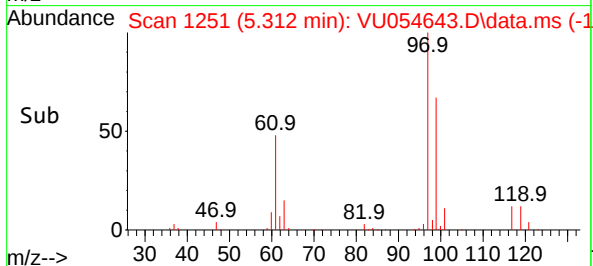
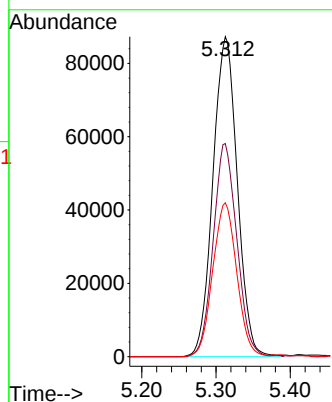
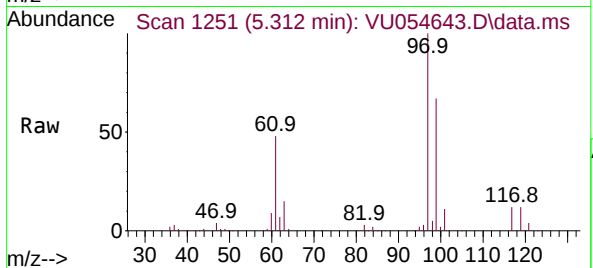
Tgt Ion: 97 Resp: 199147

Ion Ratio Lower Upper

97 100

99 64.6 50.8 76.2

61 47.5 36.1 54.1



#30

Cyclohexane

Concen: 4.276 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

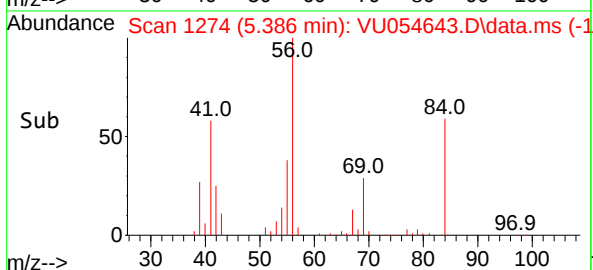
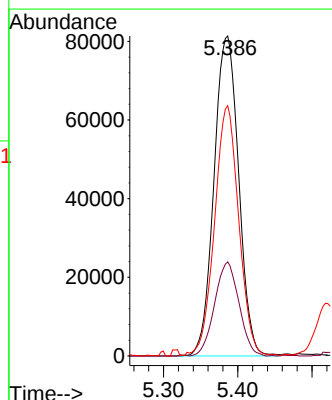
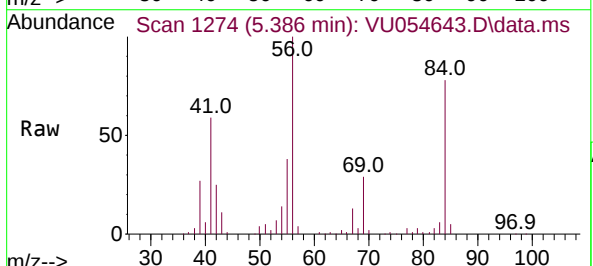
Tgt Ion: 56 Resp: 187952

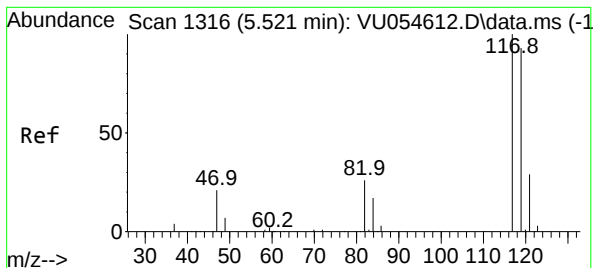
Ion Ratio Lower Upper

56 100

69 29.0 23.9 35.9

84 76.8 63.0 94.6





#31

Carbon tetrachloride

Concen: 4.738 ug/L

RT: 5.521 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

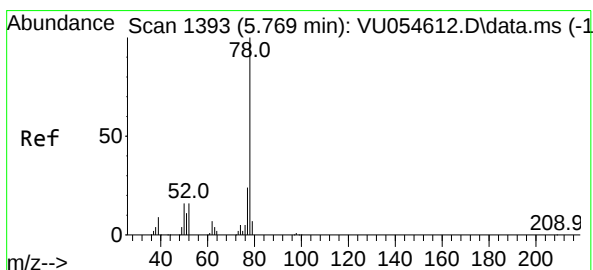
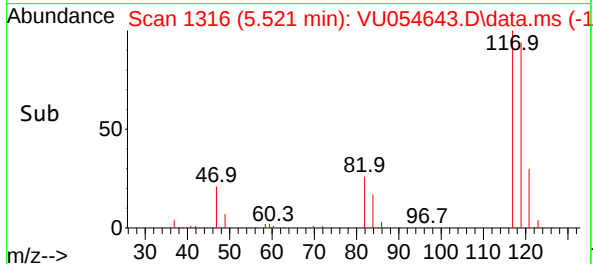
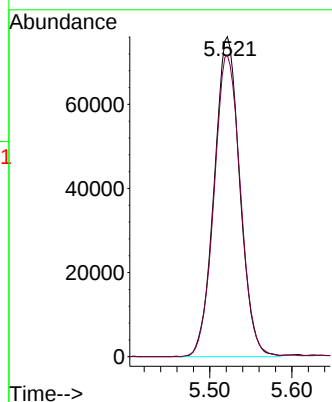
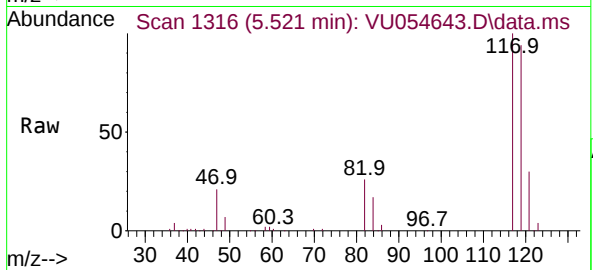
VSTD005195

Tgt Ion:117 Resp: 164737

Ion Ratio Lower Upper

117 100

119 97.2 76.8 115.2



#33

Benzene

Concen: 4.764 ug/L

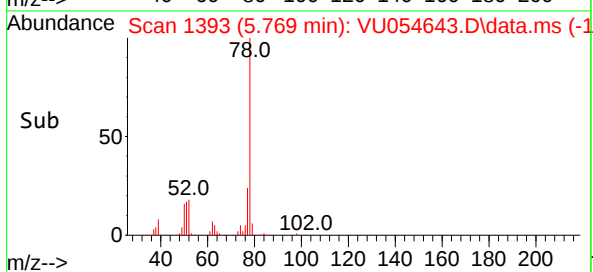
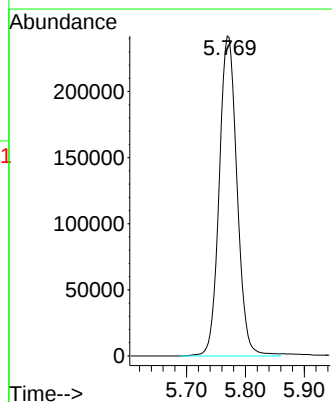
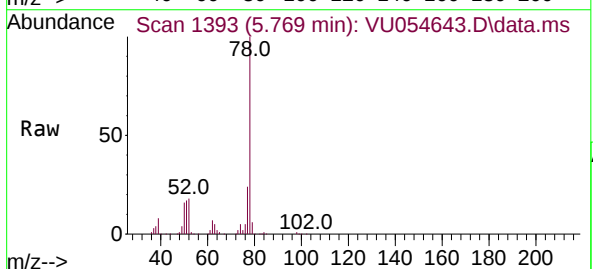
RT: 5.769 min Scan# 1393

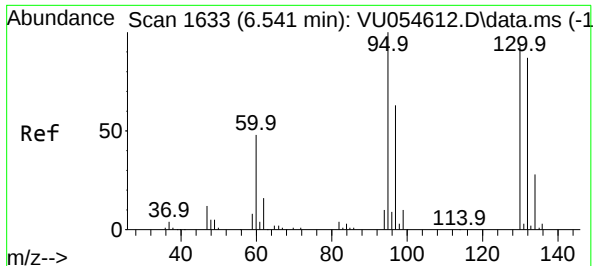
Delta R.T. -0.003 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Tgt Ion: 78 Resp: 509501



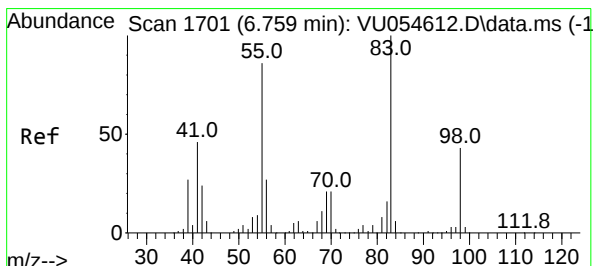
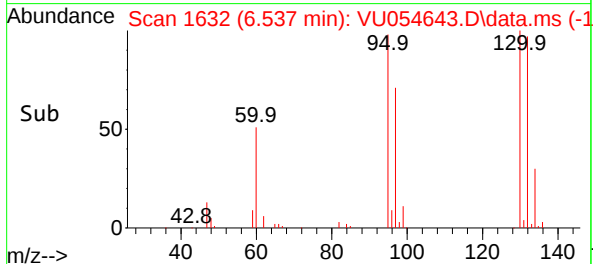
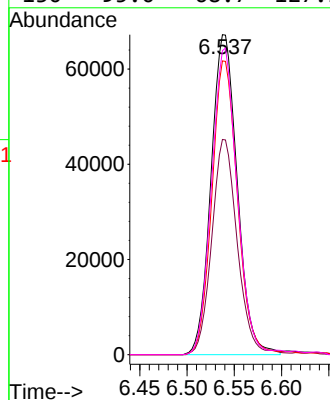
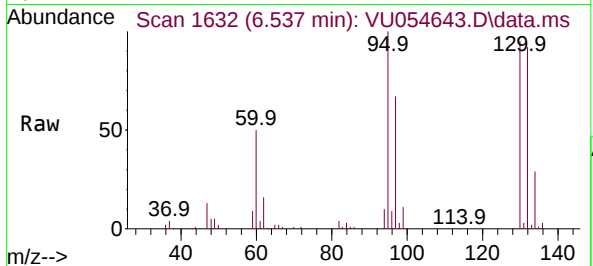


#34
Trichloroethene
Concen: 4.586 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

Tgt Ion: 95 Resp: 129703

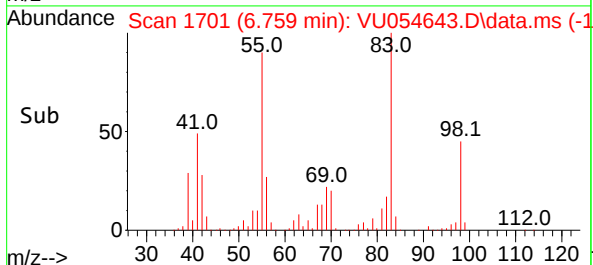
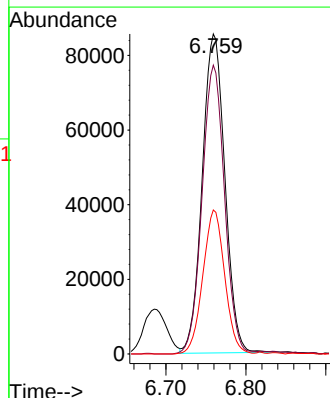
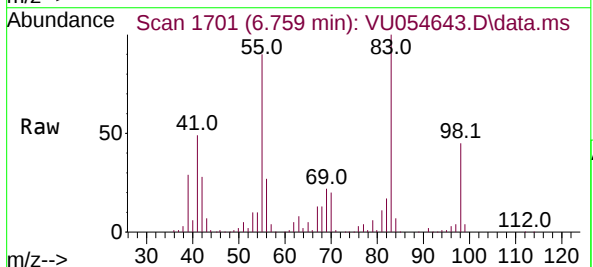
Ion	Ratio	Lower	Upper
95	100		
97	67.2	46.8	87.0
132	91.8	68.4	127.0
130	95.0	68.7	127.5

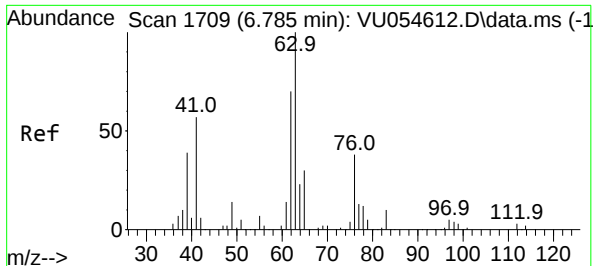


#35
Methylcyclohexane
Concen: 3.946 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion: 83 Resp: 168658

Ion	Ratio	Lower	Upper
83	100		
55	89.9	67.1	100.7
98	43.6	35.1	52.7





#37

1,2-Dichloropropane

Concen: 5.010 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

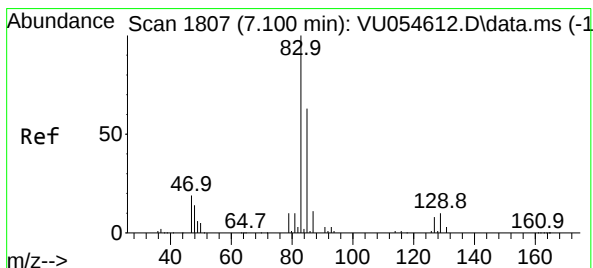
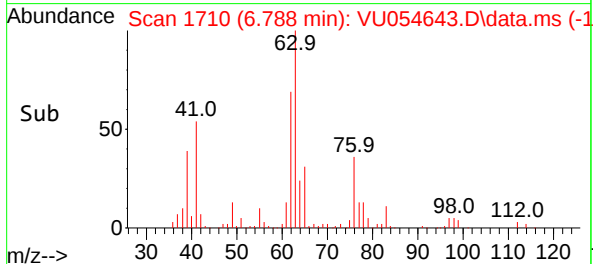
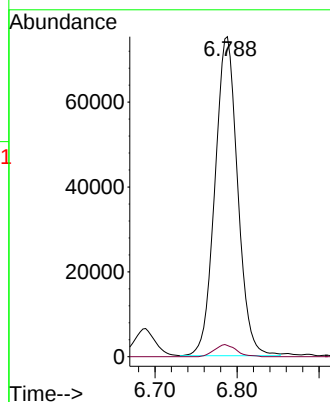
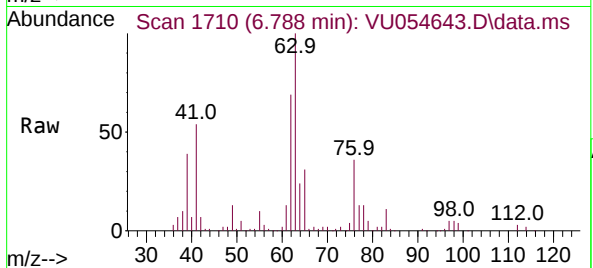
VSTD005195

Tgt Ion: 63 Resp: 144878

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 5.126 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

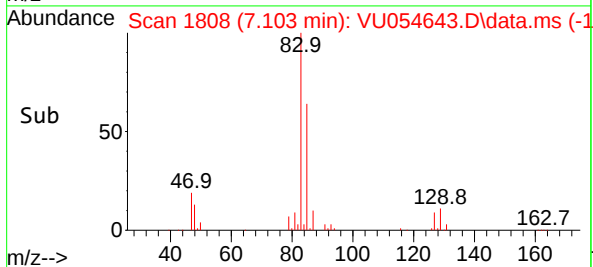
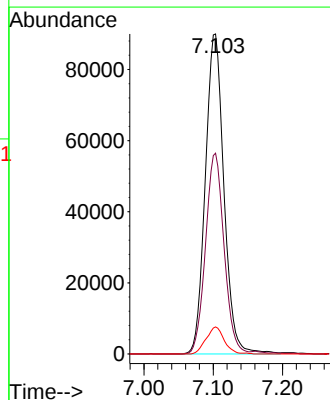
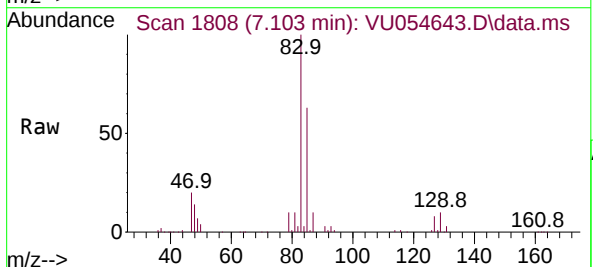
Tgt Ion: 83 Resp: 167786

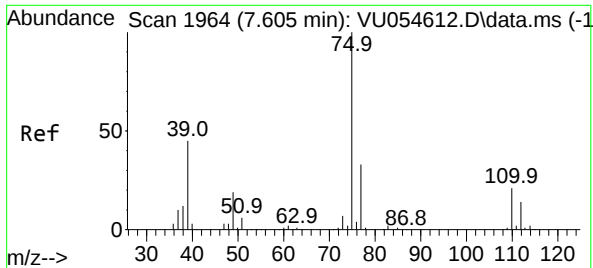
Ion Ratio Lower Upper

83 100

85 62.8 44.1 81.9

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.476 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

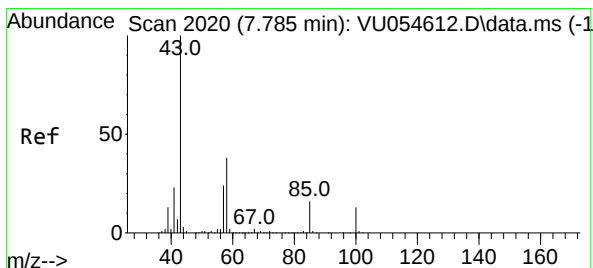
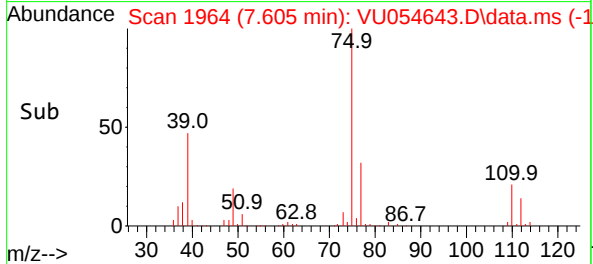
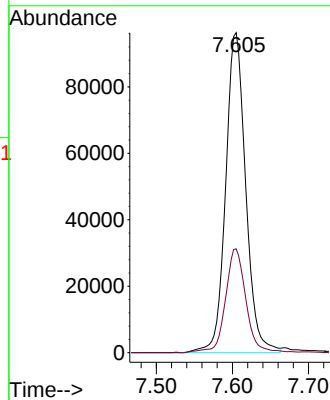
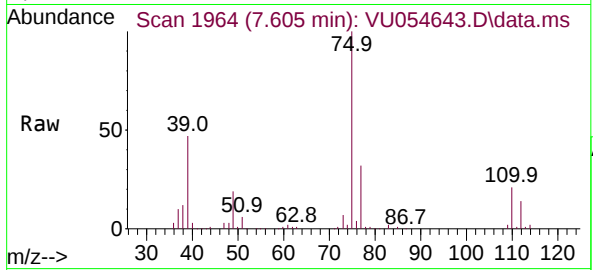
VSTD005195

Tgt Ion: 75 Resp: 176722

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 53.140 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

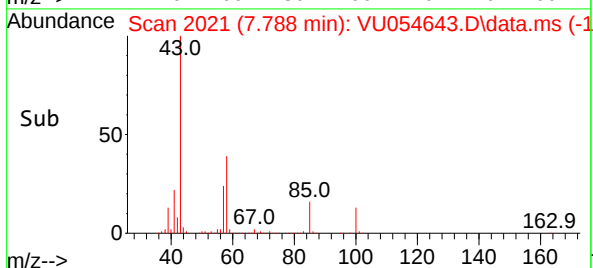
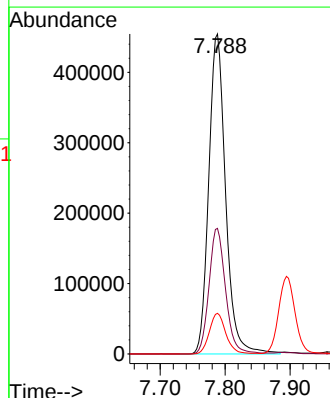
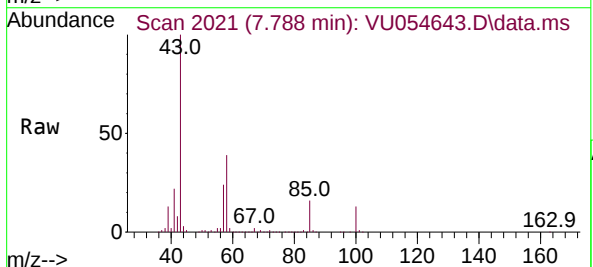
Tgt Ion: 43 Resp: 820022

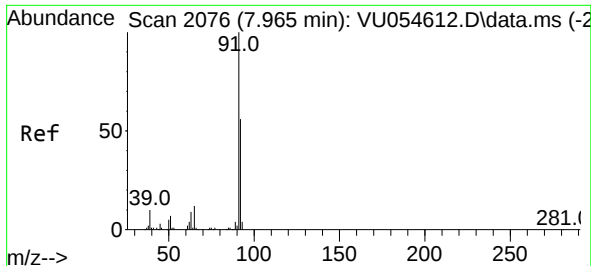
Ion Ratio Lower Upper

43 100

58 38.6 32.4 48.6

100 12.5 11.4 17.2

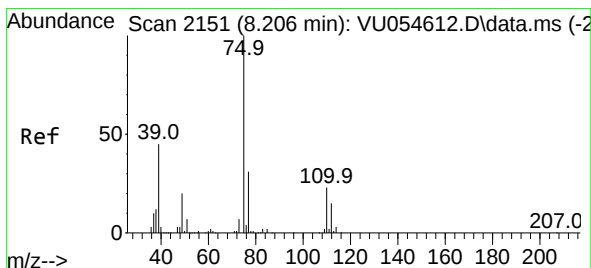
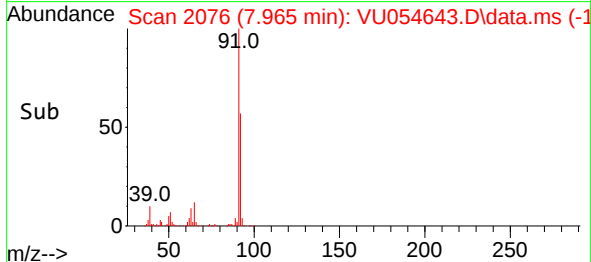
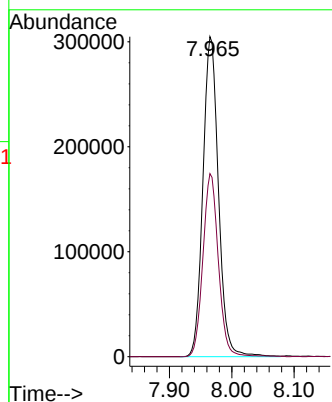
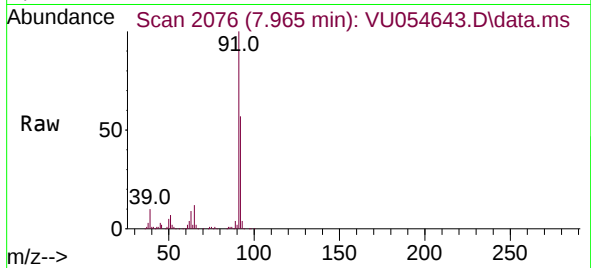




#42
Toluene
Concen: 4.796 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

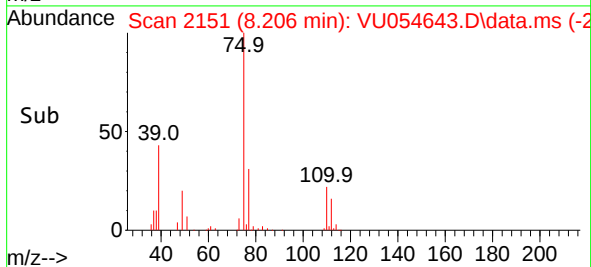
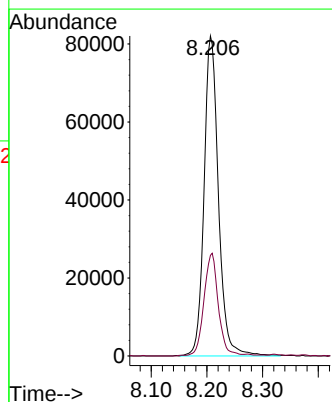
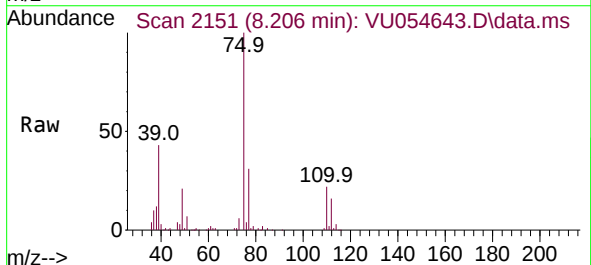
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

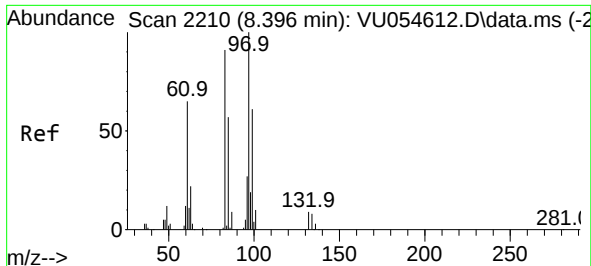
Tgt Ion: 91 Resp: 528218
Ion Ratio Lower Upper
91 100
92 57.2 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 4.602 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion: 75 Resp: 147432
Ion Ratio Lower Upper
75 100
77 31.5 21.3 39.6

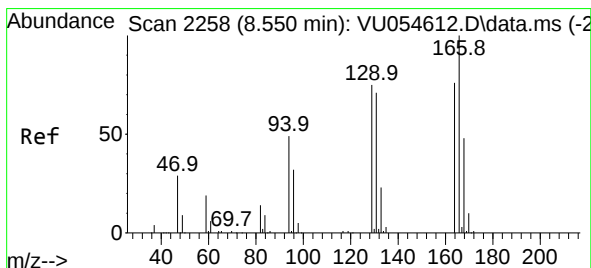
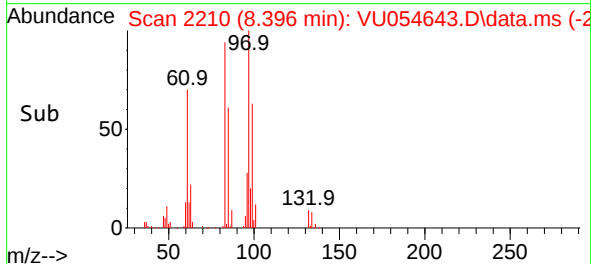
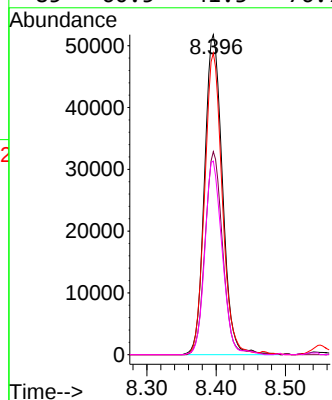
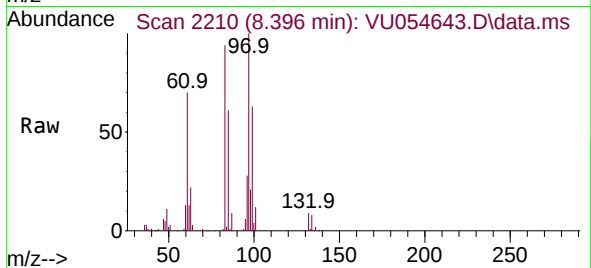




#45
1,1,2-Trichloroethane
Concen: 5.042 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

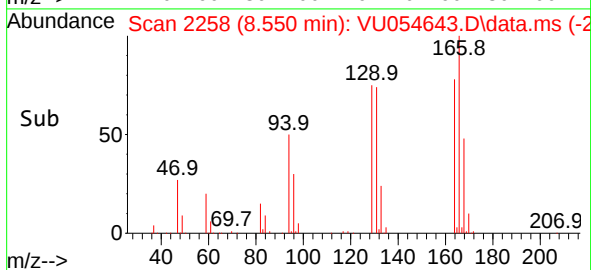
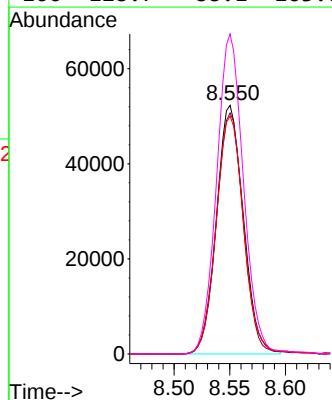
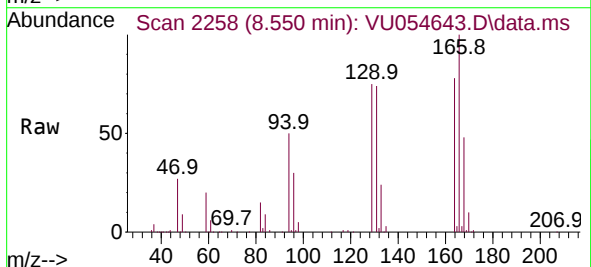
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

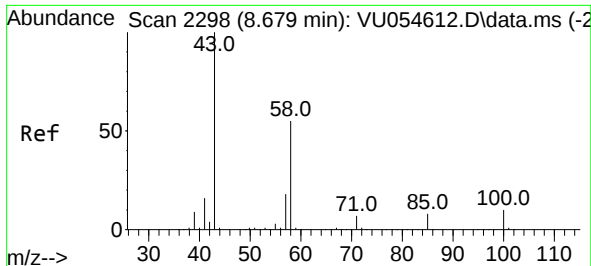
Tgt Ion:	97	Resp:	92753
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.0	80.0
83	94.2	63.8	118.6
85	60.5	41.3	76.7



#47
Tetrachloroethene
Concen: 4.057 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion:	164	Resp:	87830
Ion	Ratio	Lower	Upper
164	100		
129	96.9	67.7	125.7
131	95.7	64.6	120.0
166	128.7	88.1	163.7



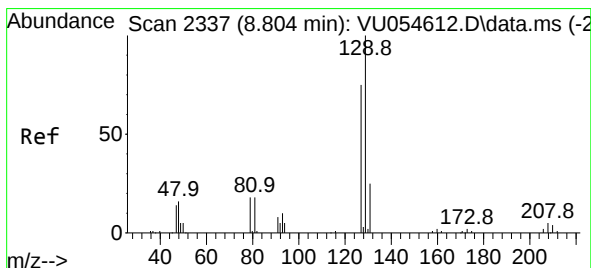
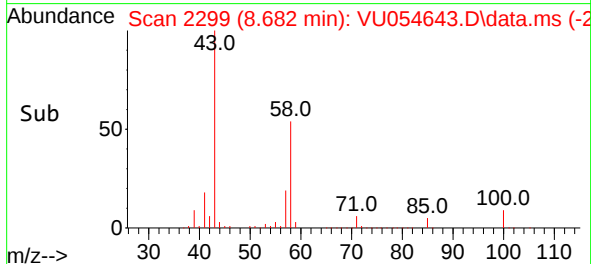
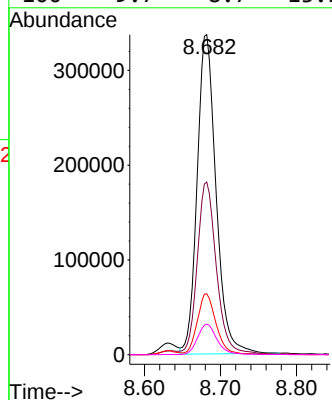
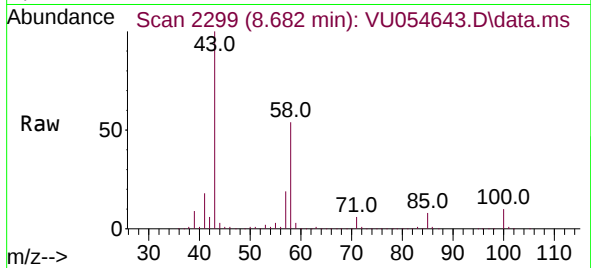


#48
2-Hexanone
Concen: 50.760 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

Tgt Ion: 43 Resp: 583632

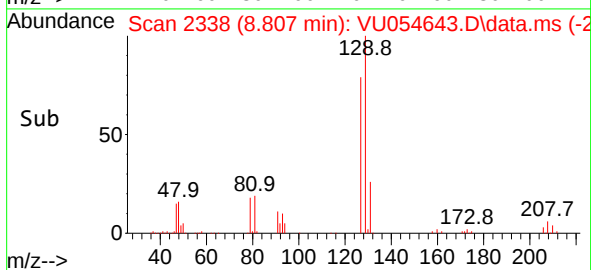
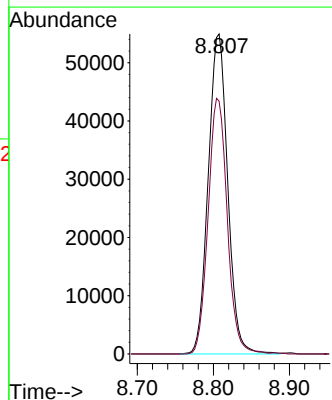
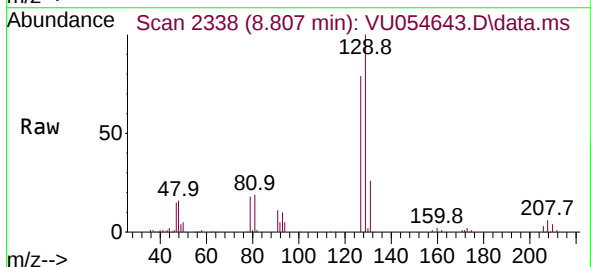
Ion	Ratio	Lower	Upper
43	100		
58	54.6	45.2	67.8
57	18.9	15.8	23.6
100	9.7	8.7	13.1

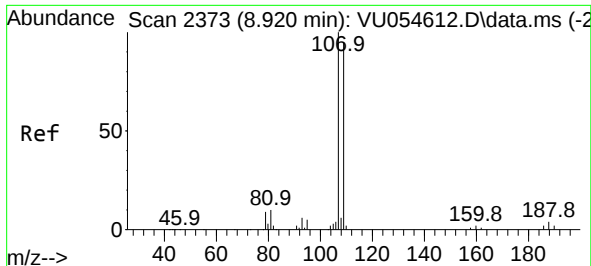


#49
Dibromochloromethane
Concen: 5.059 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion: 129 Resp: 97725

Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.2	98.8





#50

1,2-Dibromoethane

Concen: 4.920 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

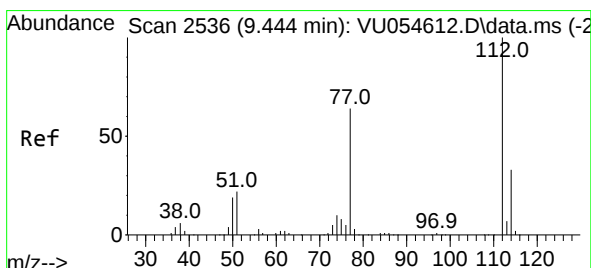
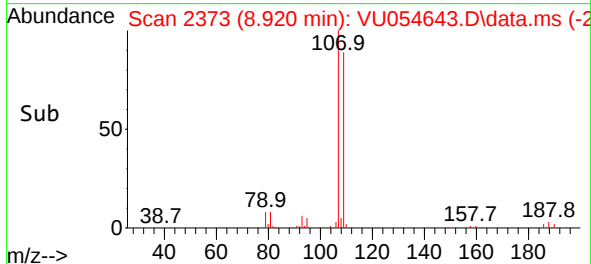
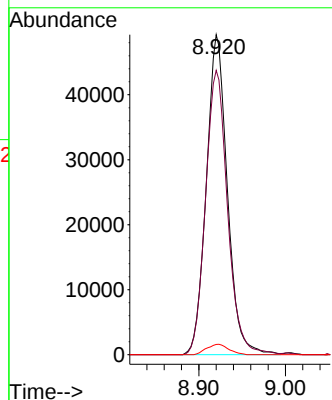
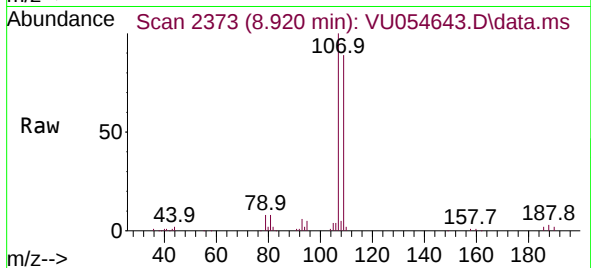
Tgt Ion:107 Resp: 83099

Ion Ratio Lower Upper

107 100

109 88.9 66.6 123.6

188 3.2 3.1 4.7



#51

Chlorobenzene

Concen: 4.639 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

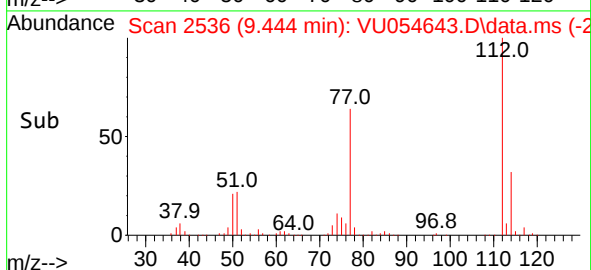
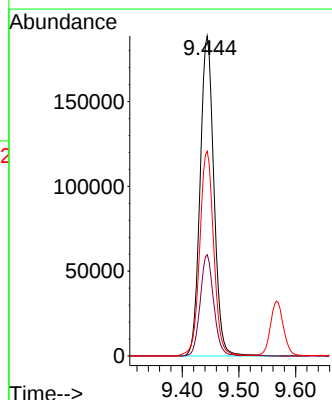
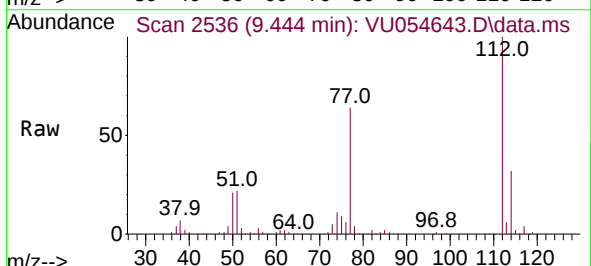
Tgt Ion:112 Resp: 318468

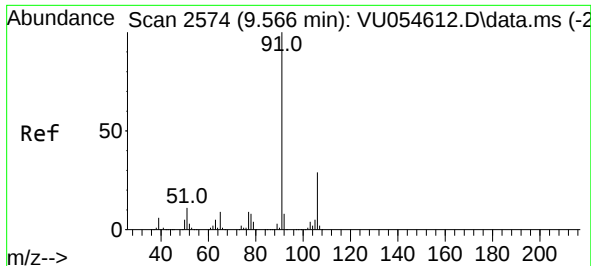
Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.1

77 64.0 49.8 74.8

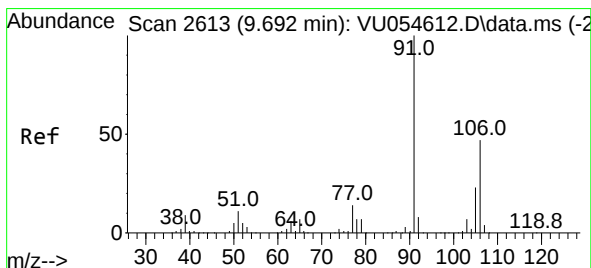
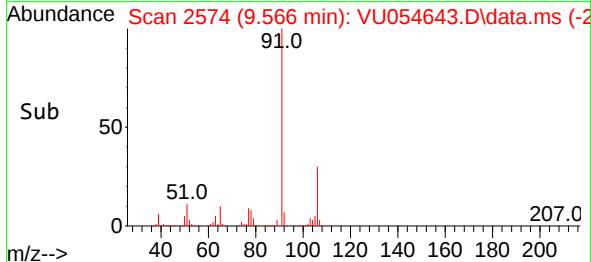
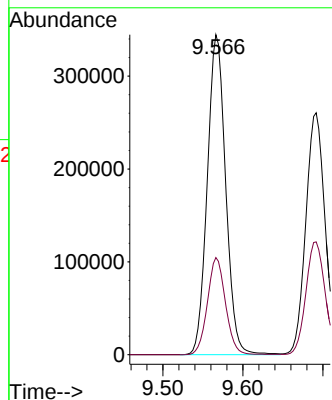
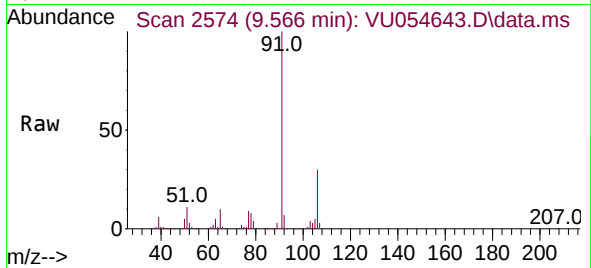




#52
Ethylbenzene
Concen: 4.583 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

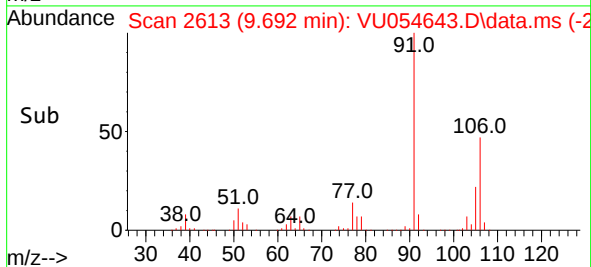
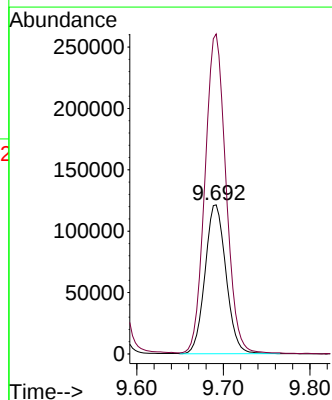
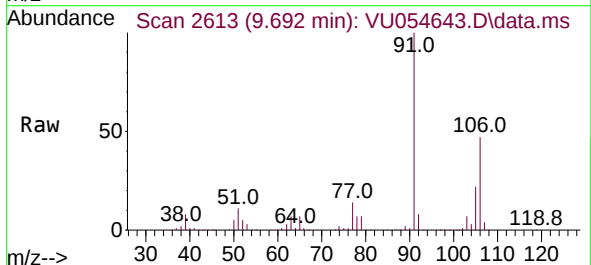
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

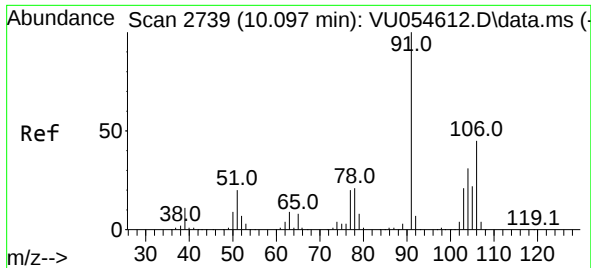
Tgt Ion: 91 Resp: 551229
Ion Ratio Lower Upper
91 100
106 30.3 21.1 39.3



#53
m,p-Xylene
Concen: 4.608 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion: 106 Resp: 203611
Ion Ratio Lower Upper
106 100
91 214.6 147.0 273.0

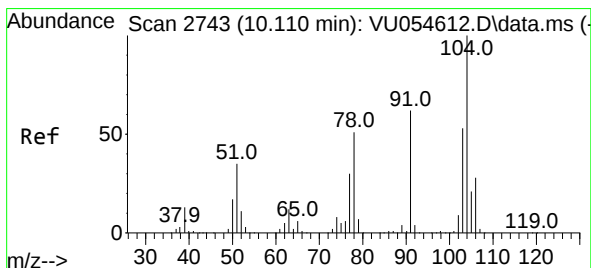
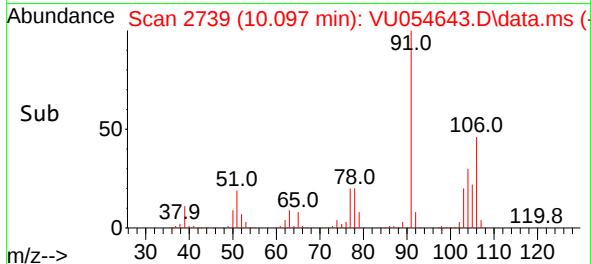
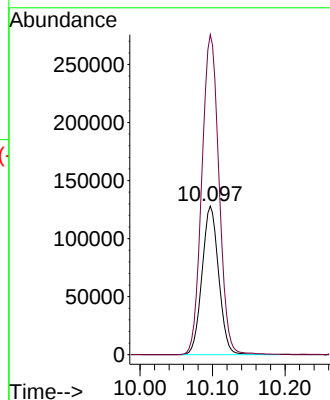
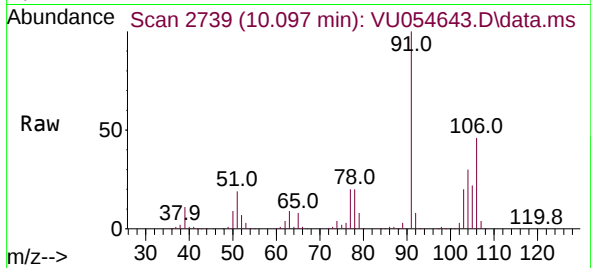




#54
o-Xylene
Concen: 4.778 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

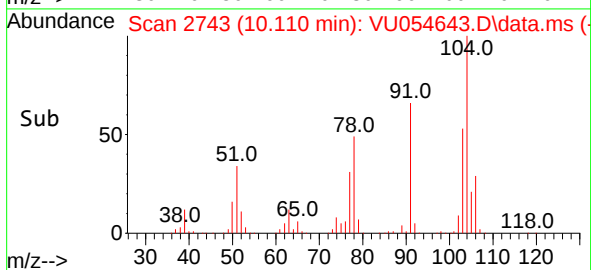
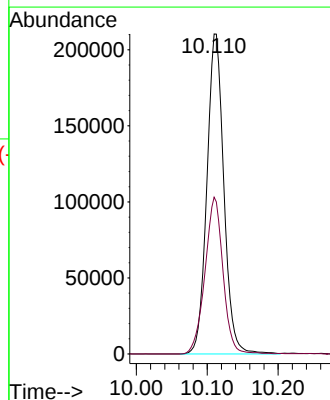
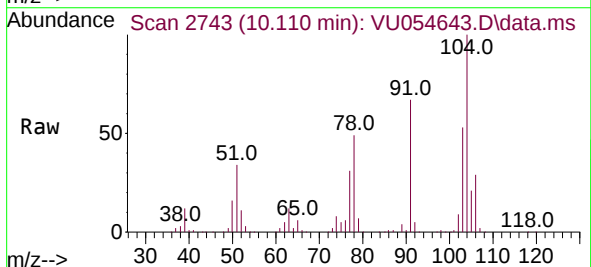
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

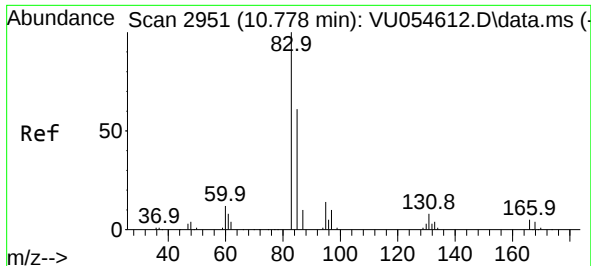
Tgt Ion:106 Resp: 204164
Ion Ratio Lower Upper
106 100
91 215.3 154.5 286.9



#55
Styrene
Concen: 4.880 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion:104 Resp: 349982
Ion Ratio Lower Upper
104 100
78 49.0 33.0 61.4

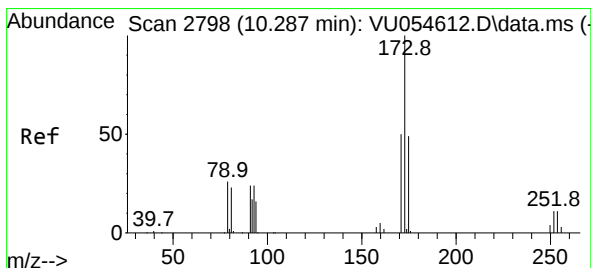
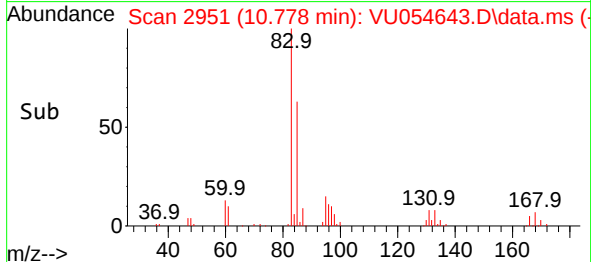
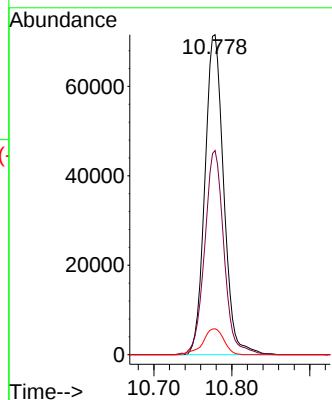
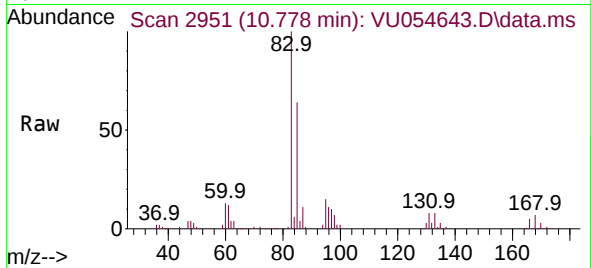




#57
1,1,2,2-Tetrachloroethane
Concen: 5.129 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

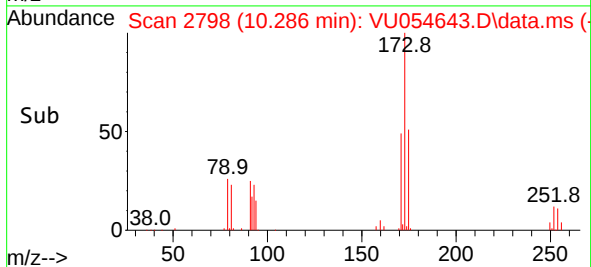
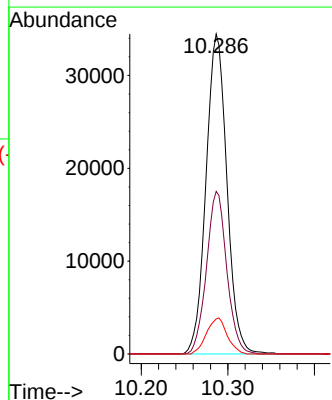
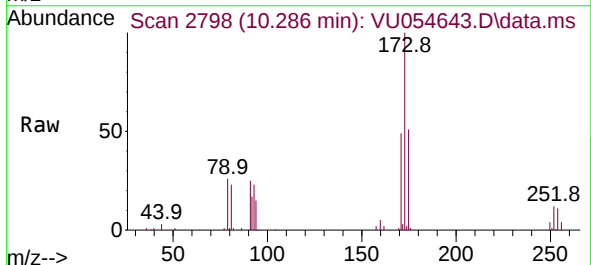
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

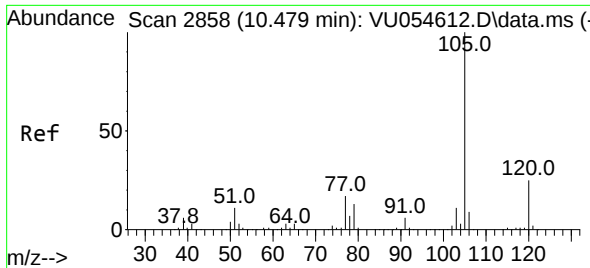
Tgt Ion: 83 Resp: 119852
Ion Ratio Lower Upper
83 100
85 63.8 44.2 82.2
131 8.1 7.0 10.6



#59
Bromoform
Concen: 5.484 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion:173 Resp: 57747
Ion Ratio Lower Upper
173 100
175 49.3 39.4 59.0
254 11.1 8.6 12.8

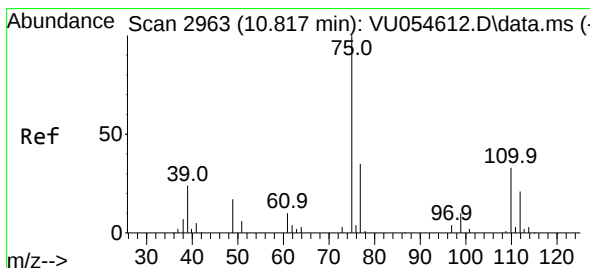
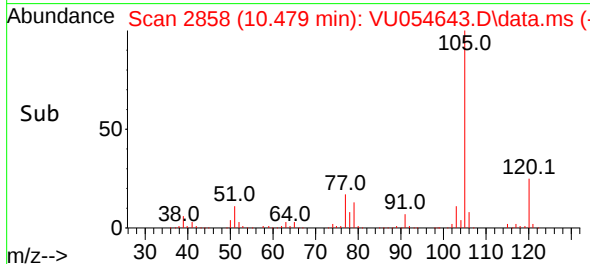
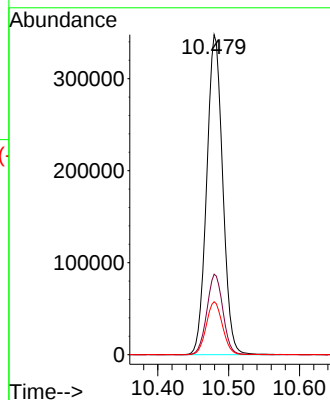
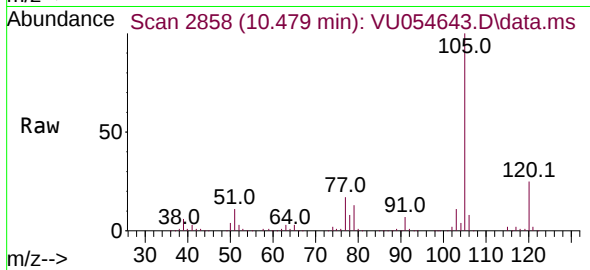




#60
Isopropylbenzene
Concen: 5.086 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

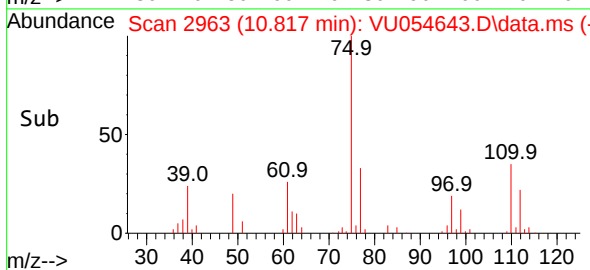
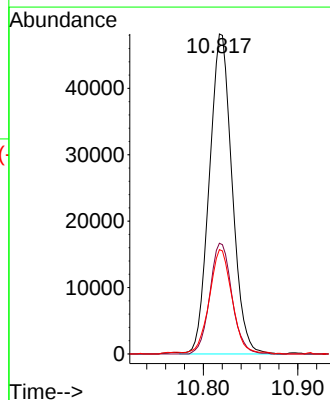
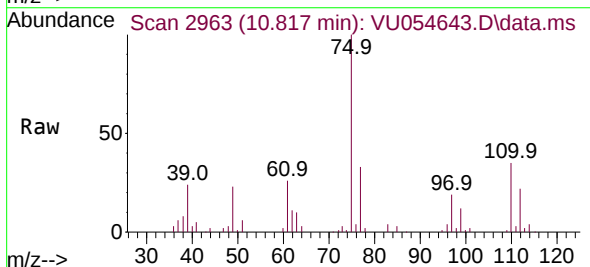
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

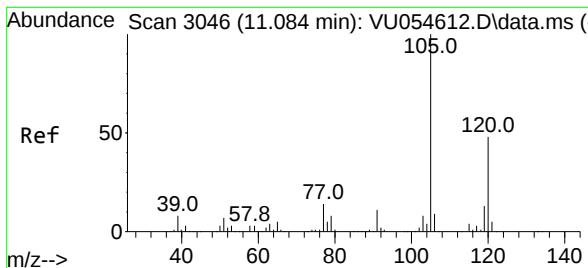
Tgt Ion:105 Resp: 545782
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.424 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion: 75 Resp: 80402
Ion Ratio Lower Upper
75 100
110 33.6 28.0 42.0
77 32.7 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.815 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

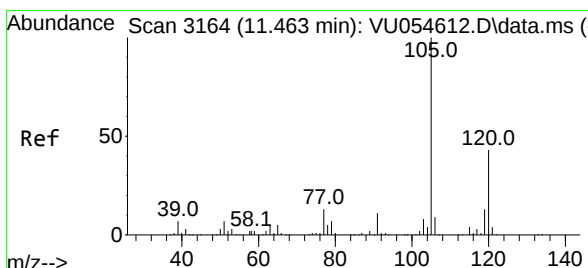
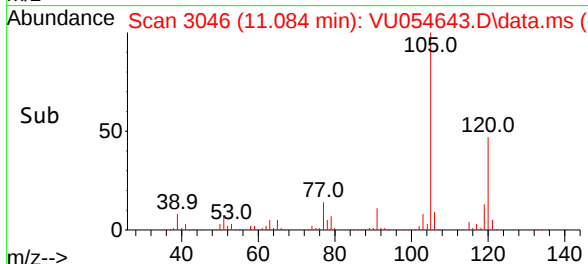
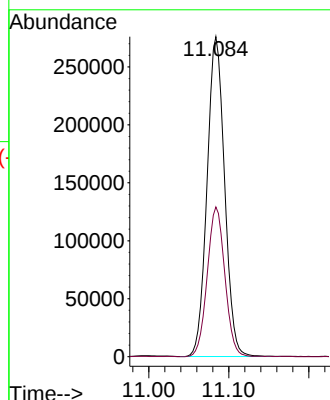
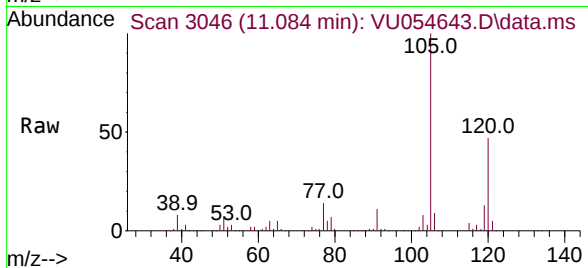
VSTD005195

Tgt Ion:105 Resp: 421537

Ion Ratio Lower Upper

105 100

120 47.1 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.954 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054643.D

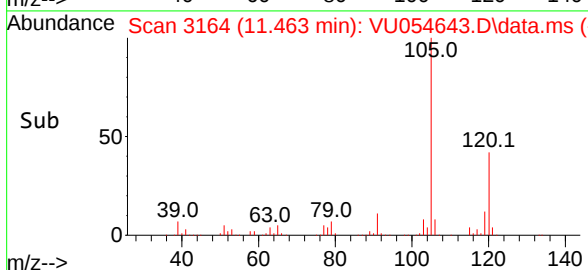
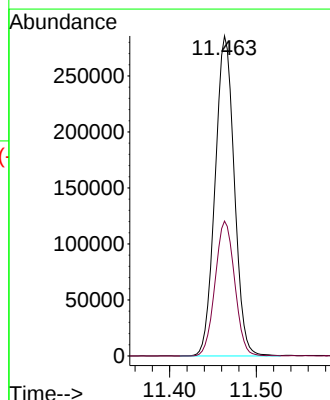
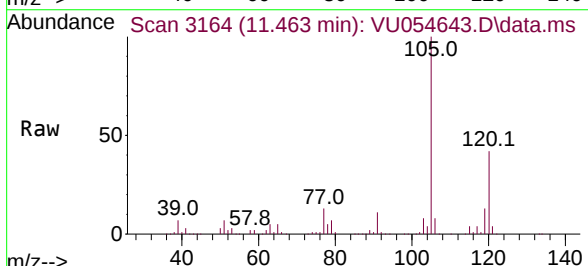
Acq: 22 Jun 2023 09:27

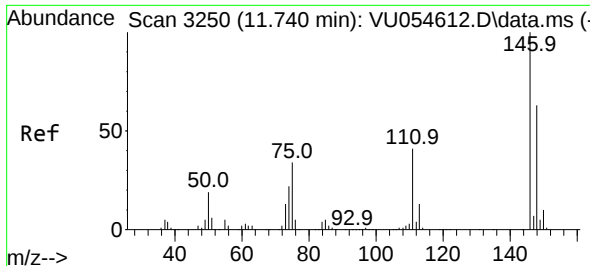
Tgt Ion:105 Resp: 440461

Ion Ratio Lower Upper

105 100

120 42.9 35.4 53.0

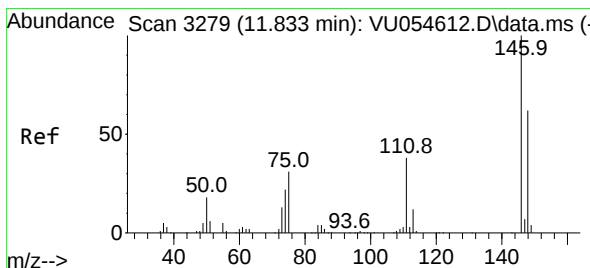
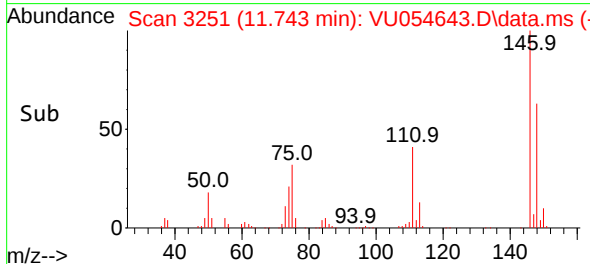
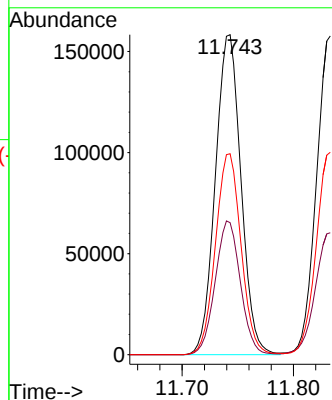
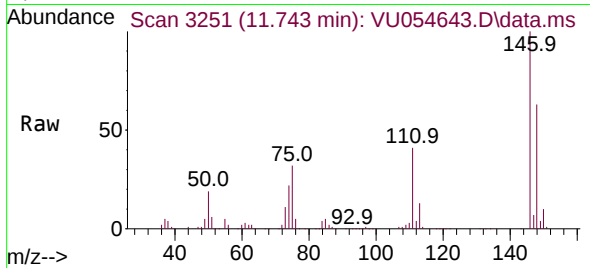




#64
1,3-Dichlorobenzene
Concen: 5.049 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

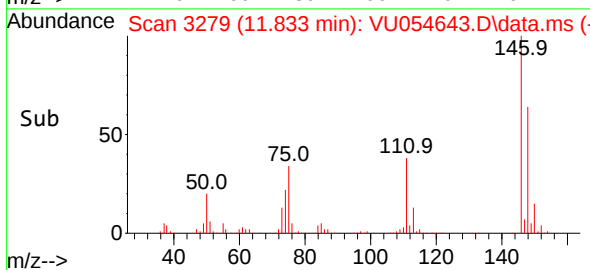
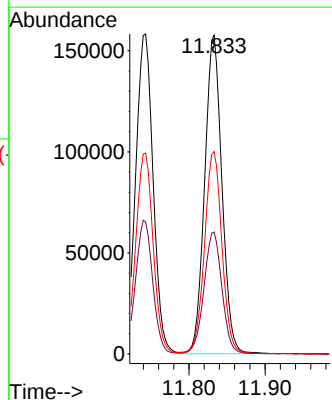
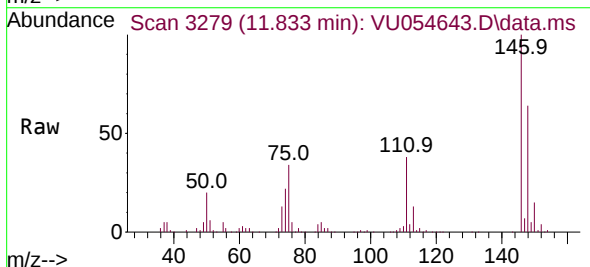
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

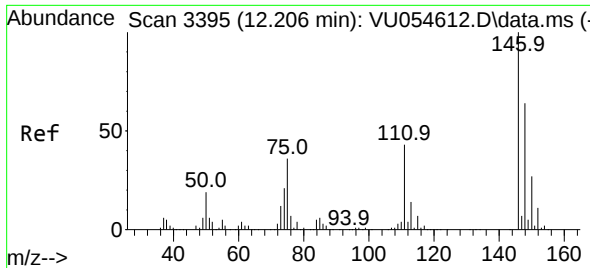
Tgt Ion:146 Resp: 253249
Ion Ratio Lower Upper
146 100
111 41.3 28.9 53.7
148 62.8 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.936 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion:146 Resp: 248461
Ion Ratio Lower Upper
146 100
111 38.3 28.0 52.0
148 63.5 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.033 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

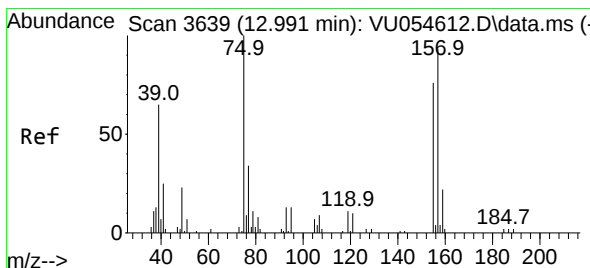
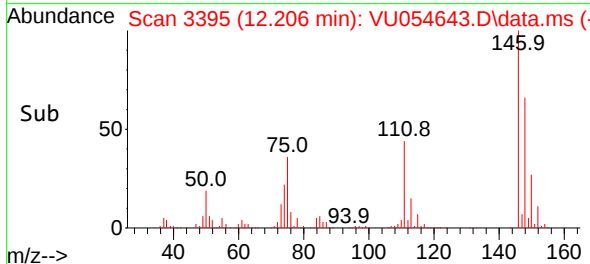
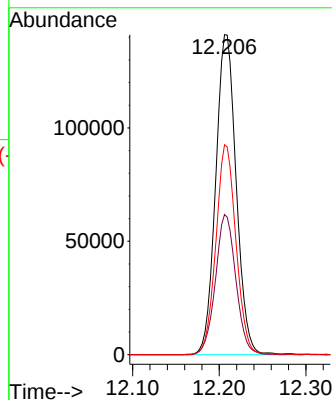
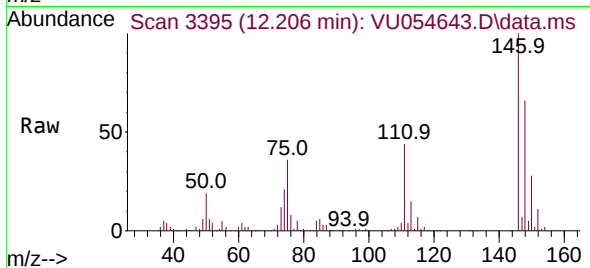
Tgt Ion:146 Resp: 232192

Ion Ratio Lower Upper

146 100

111 43.8 34.5 51.7

148 65.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.551 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054643.D

Acq: 22 Jun 2023 09:27

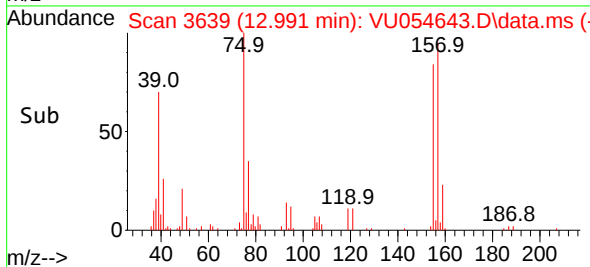
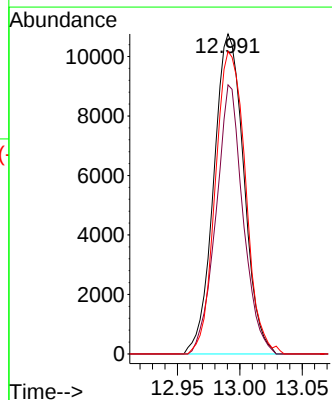
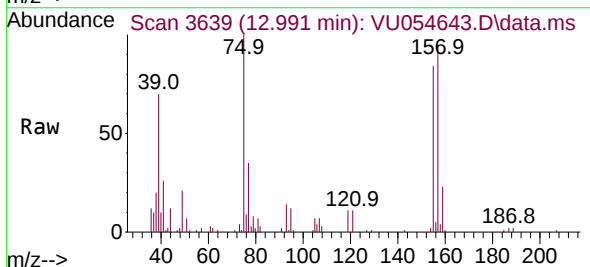
Tgt Ion: 75 Resp: 18083

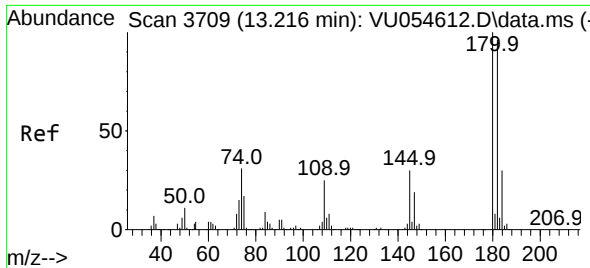
Ion Ratio Lower Upper

75 100

155 84.1 65.7 98.5

157 94.5 84.2 126.2



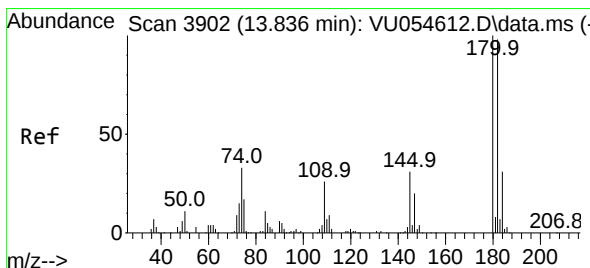
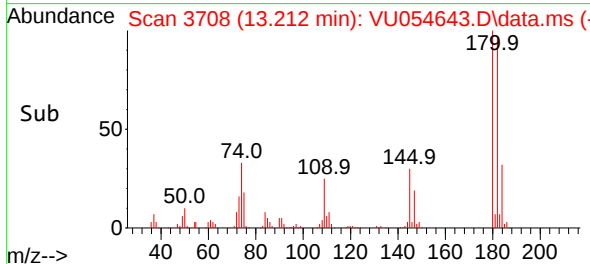
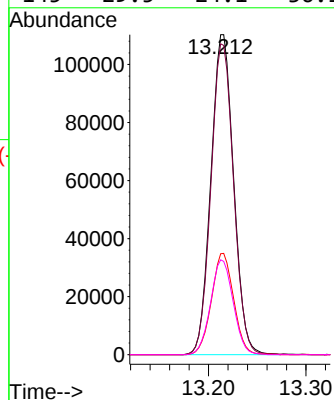
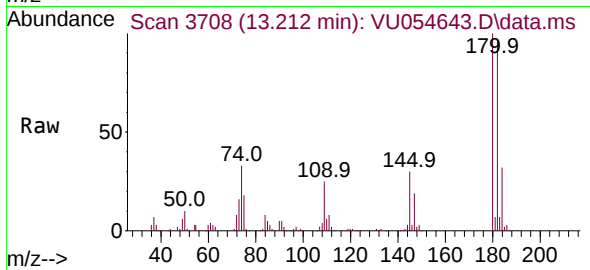


#69
 1,3,5-Trichlorobenzene
 Concen: 4.717 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

Tgt Ion:180 Resp: 178502

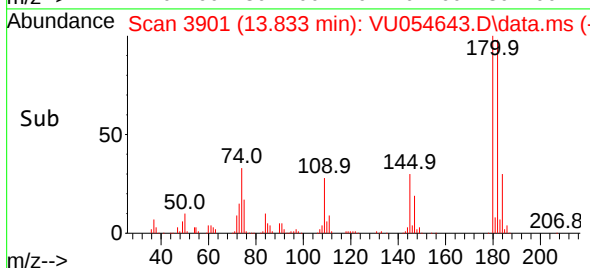
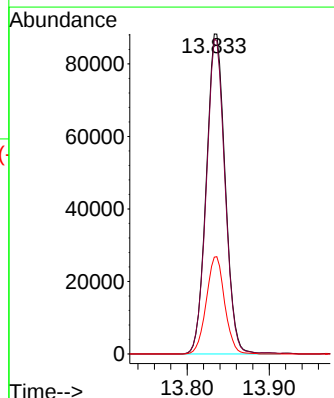
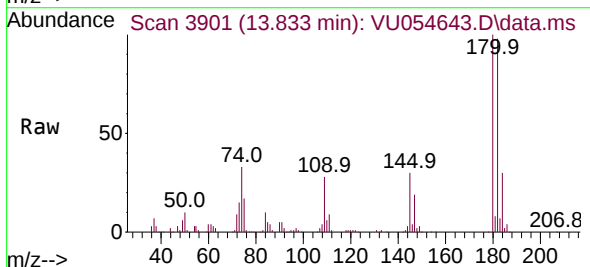
Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.0	112.6
184	31.0	24.1	36.1
145	29.5	24.1	36.1

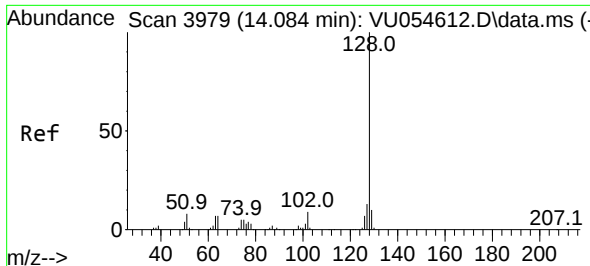


#70
 1,2,4-trichlorobenzene
 Concen: 4.517 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU054643.D
 Acq: 22 Jun 2023 09:27

Tgt Ion:180 Resp: 141354

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	114.8
145	29.6	24.0	36.0

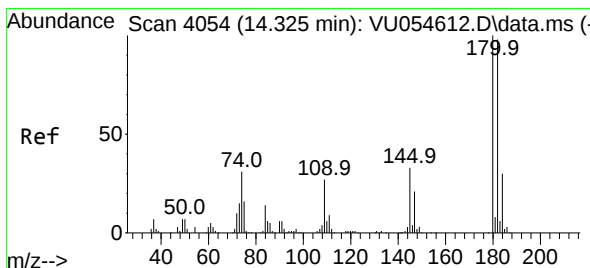
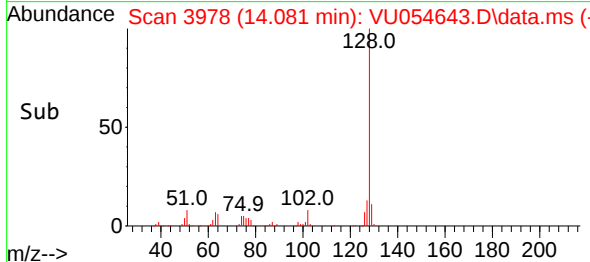
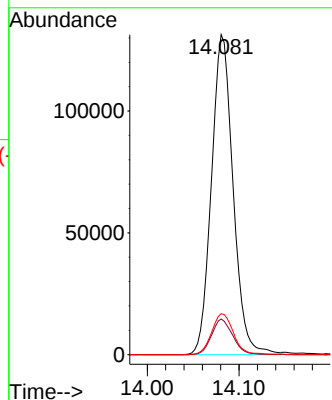
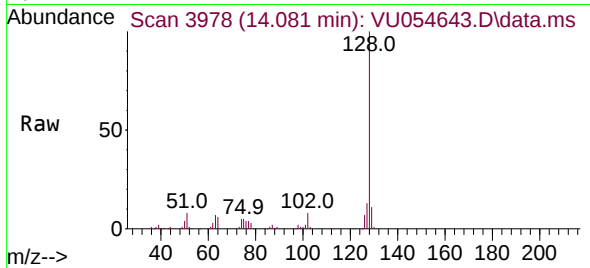




#71
Naphthalene
Concen: 4.233 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

Tgt Ion:128	Resp: 215374
Ion Ratio	Lower Upper
128 100	
129 10.9	8.6 12.8
127 13.0	10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.550 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU054643.D
Acq: 22 Jun 2023 09:27

Tgt Ion:180	Resp: 122325
Ion Ratio	Lower Upper
180 100	
182 98.2	75.4 113.2
145 32.4	26.0 39.0

