

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
 Data File : VU052601.D
 Acq On : 28 Dec 2022 20:37
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005121

Quant Time: Dec 29 00:30:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 29 00:24:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	175211	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	168626	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	90555	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	47522	2.677	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.600%
7) Chloroethane-d5	1.916	69	54434	3.556	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	2.568	65	24320	3.184	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.600%
20) 2-Butanone-d5	4.636	46	322707	58.625	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.260%
24) Chloroform-d	5.060	84	133062	4.443	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.700	65	77506	4.462	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.723	84	250251	4.329	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.684	67	90847	4.565	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.893	98	211693	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	8.176	79	32252	4.733	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.629	63	229973	61.682	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.360%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	87577	5.183	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	84038	4.558	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	61369	3.936	ug/L	100
3) Chloromethane	1.520	50	106046	4.712	ug/L	98
5) Vinyl chloride	1.604	62	88959	4.361	ug/L	94
6) Bromomethane	1.861	94	40285	3.464	ug/L	100
8) Chloroethane	1.935	64	58638	4.197	ug/L	94
9) Trichlorofluoromethane	2.141	101	99764	4.325	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	56641	4.131	ug/L	99
12) 1,1-Dichloroethene	2.581	96	58073	4.426	ug/L	89
13) Acetone	2.658	43	173165	42.674	ug/L	98
14) Carbon disulfide	2.793	76	184003	4.352	ug/L	99
15) Methyl Acetate	2.957	43	43172	4.829	ug/L	99
16) Methylene chloride	3.044	84	76212	4.112	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	170120	4.856	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	62940	4.654	ug/L	95
19) 1,1-Dichloroethane	3.867	63	140759	4.786	ug/L	99
21) 2-Butanone	4.719	43	291170	48.720	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	74110	4.993	ug/L	97
23) Bromochloromethane	4.970	128	33793	4.913	ug/L	100
25) Chloroform	5.083	83	140738	4.939	ug/L	98

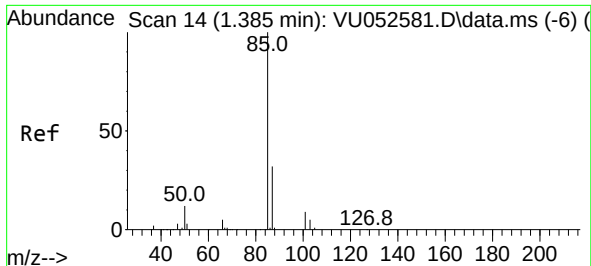
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	93765	4.763	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	103430	4.873	ug/L	98
30) Cyclohexane	5.385	56	103516	4.514	ug/L	99
31) Carbon tetrachloride	5.520	117	83160	4.459	ug/L	98
33) Benzene	5.771	78	295962	4.873	ug/L	100
34) Trichloroethene	6.539	95	65955	4.645	ug/L	99
35) Methylcyclohexane	6.761	83	92689	4.329	ug/L	98
37) 1,2-Dichloropropane	6.787	63	85606	5.051	ug/L	100
38) Bromodichloromethane	7.102	83	101137	4.903	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	107286	4.998	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	661828	53.437	ug/L	99
42) Toluene	7.967	91	298967	5.134	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	98299	5.197	ug/L	95
45) 1,1,2-Trichloroethane	8.394	97	58530	4.876	ug/L	97
47) Tetrachloroethene	8.549	164	45223	4.563	ug/L	96
48) 2-Hexanone	8.681	43	494314	52.948	ug/L	98
49) Dibromochloromethane	8.806	129	65064	5.119	ug/L	100
50) 1,2-Dibromoethane	8.919	107	53814	4.932	ug/L	98
51) Chlorobenzene	9.443	112	184058	4.949	ug/L	99
52) Ethylbenzene	9.565	91	298084	4.946	ug/L	100
53) m,p-Xylene	9.690	106	115156	5.182	ug/L	97
54) o-Xylene	10.095	106	110179	5.172	ug/L	98
55) Styrene	10.108	104	172315	4.649	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	83328	5.022	ug/L	99
59) Bromoform	10.285	173	37452	4.707	ug/L	99
60) Isopropylbenzene	10.481	105	287848	4.904	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	60353	4.647	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	231373	4.780	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	236090	4.845	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	140523	4.826	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	142382	4.728	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	136760	4.753	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	13720	4.667	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	99112	4.622	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	84609	4.689	ug/L	99
71) Naphthalene	14.082	128	170843	4.679	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	85915	4.750	ug/L	100

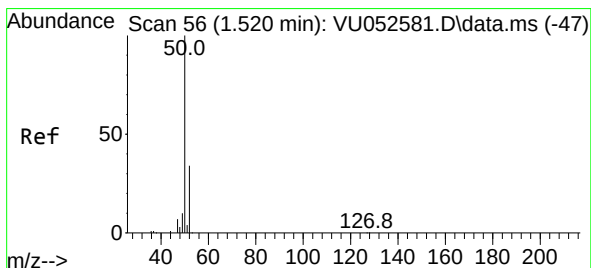
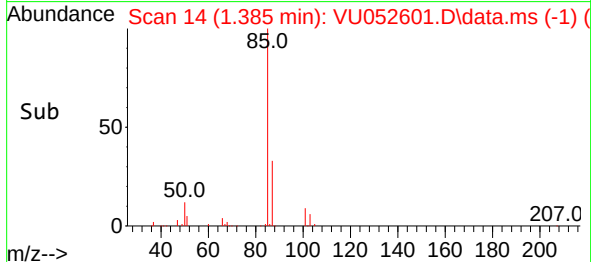
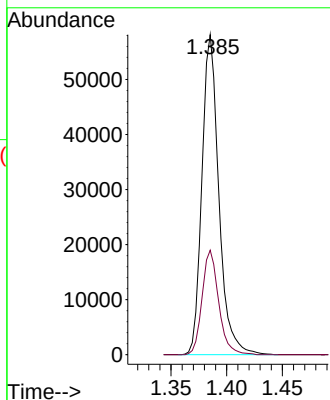
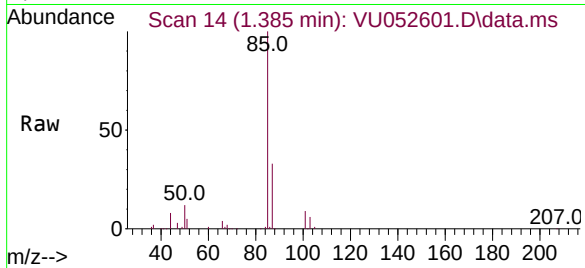
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 3.936 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

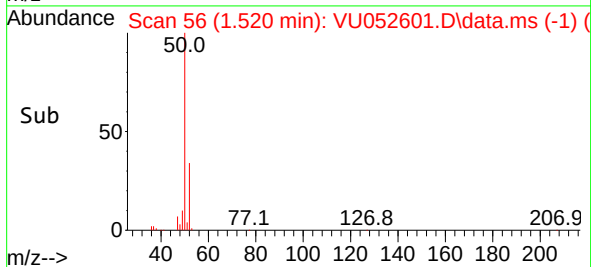
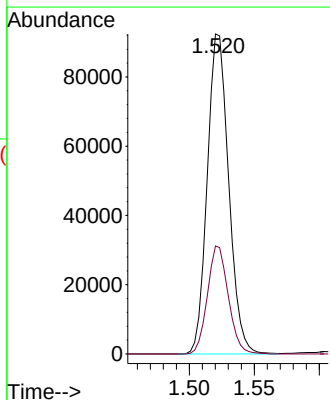
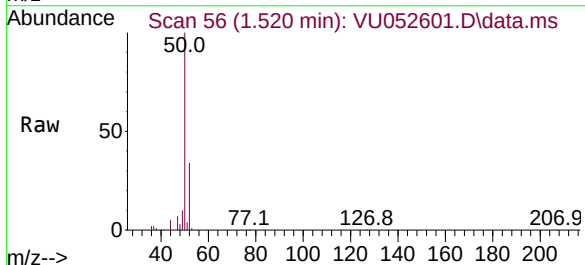
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

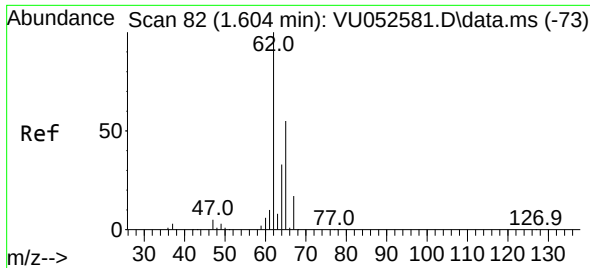
Tgt Ion: 85 Resp: 61369
Ion Ratio Lower Upper
85 100
87 31.9 25.6 38.4



#3
Chloromethane
Concen: 4.712 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 50 Resp: 106046
Ion Ratio Lower Upper
50 100
52 33.8 23.0 42.6

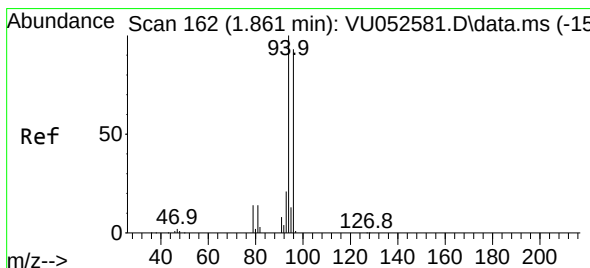
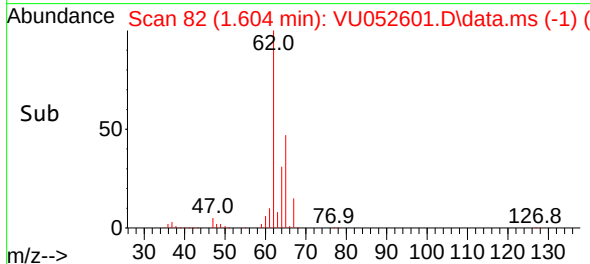
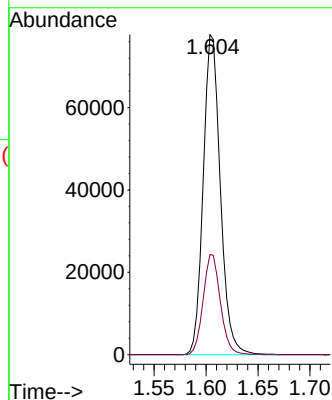
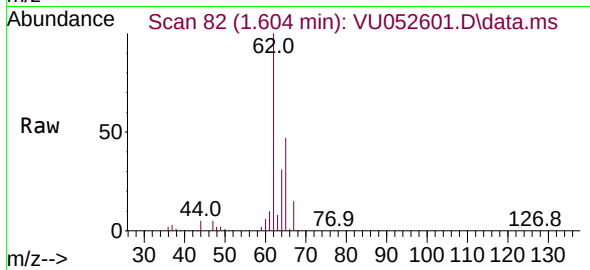




#5
 Vinyl chloride
 Concen: 4.361 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052601.D
 Acq: 28 Dec 2022 20:37

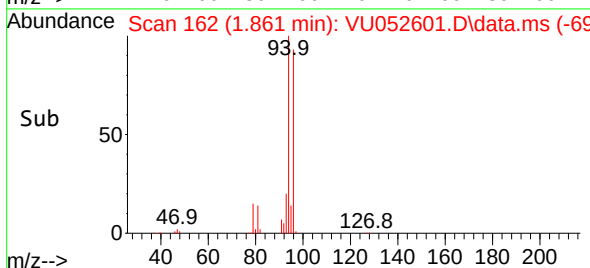
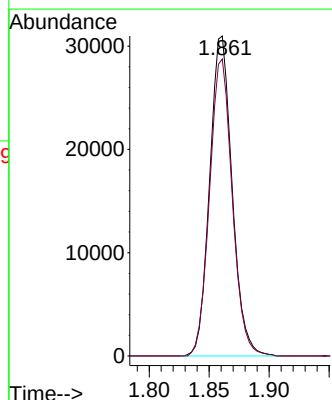
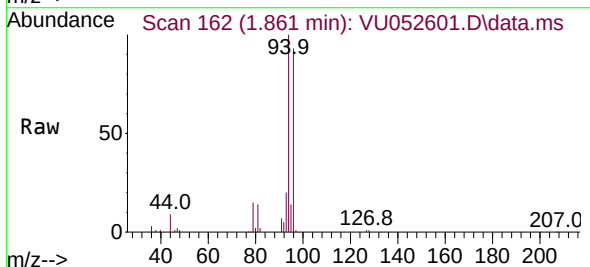
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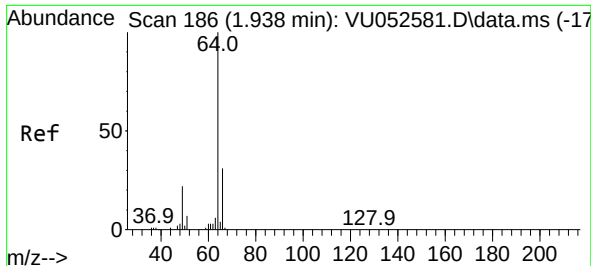
Tgt Ion: 62 Resp: 88959
 Ion Ratio Lower Upper
 62 100
 64 31.3 24.4 45.4



#6
 Bromomethane
 Concen: 3.464 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU052601.D
 Acq: 28 Dec 2022 20:37

Tgt Ion: 94 Resp: 40285
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.0 120.8

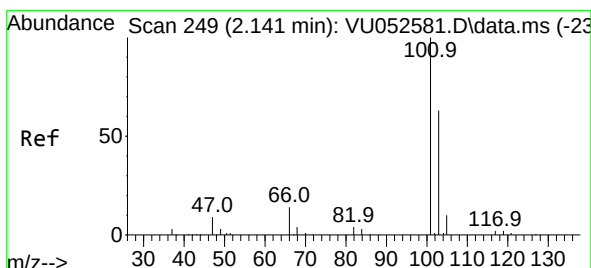
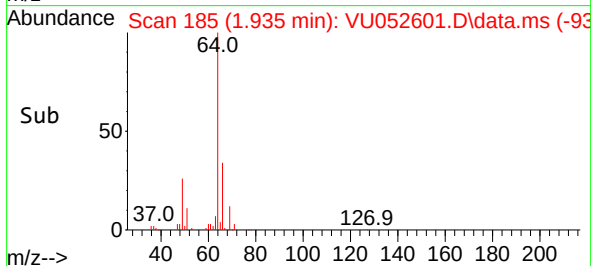
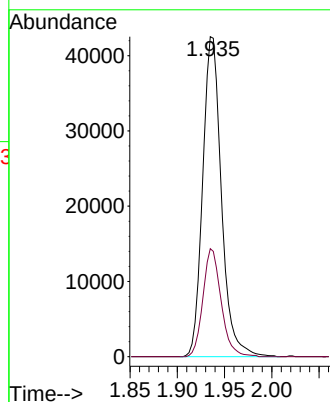
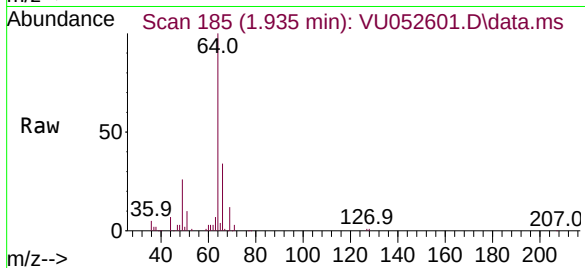




#8
Chloroethane
Concen: 4.197 ug/L
RT: 1.935 min Scan# 186
Delta R.T. -0.003 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

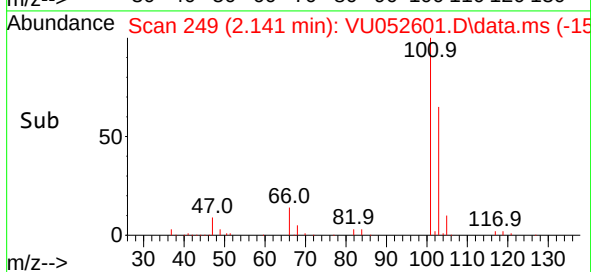
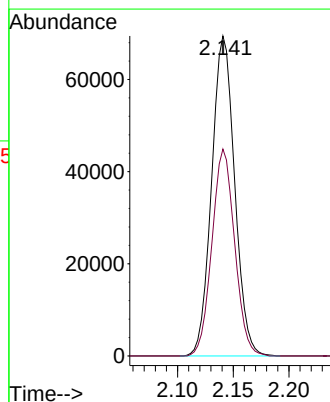
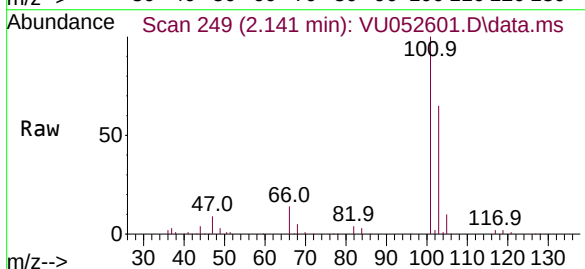
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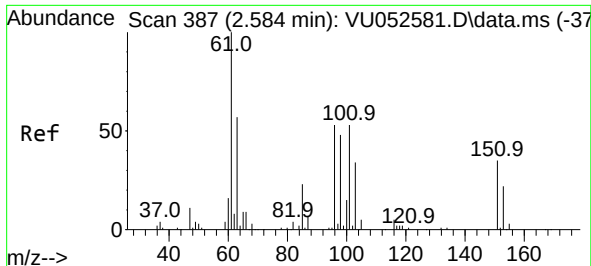
Tgt Ion: 64 Resp: 58638
Ion Ratio Lower Upper
64 100
66 33.8 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.325 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 101 Resp: 99764
Ion Ratio Lower Upper
101 100
103 63.8 52.0 78.0

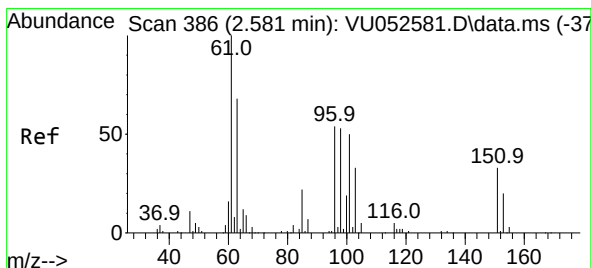
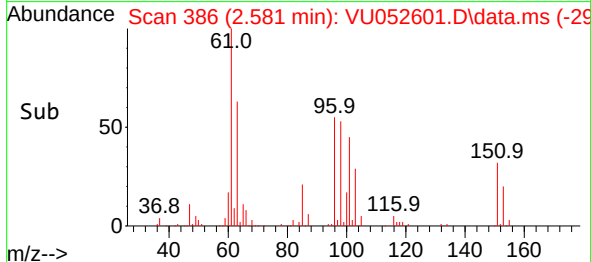
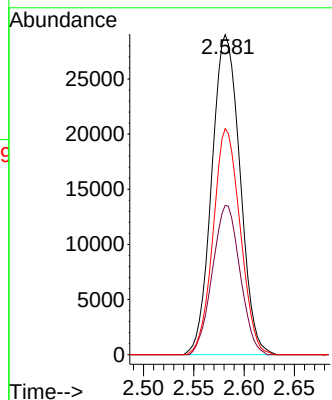
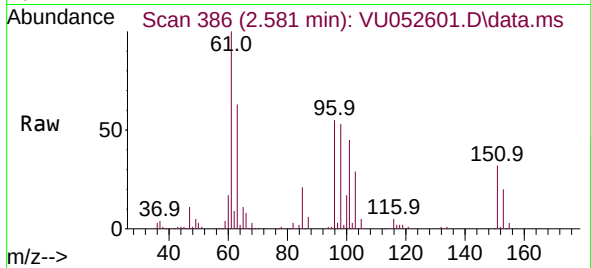




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.131 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU052601.D
 Acq: 28 Dec 2022 20:37

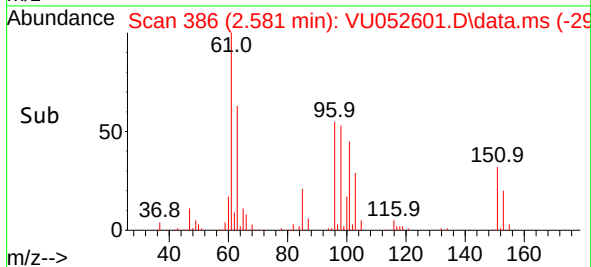
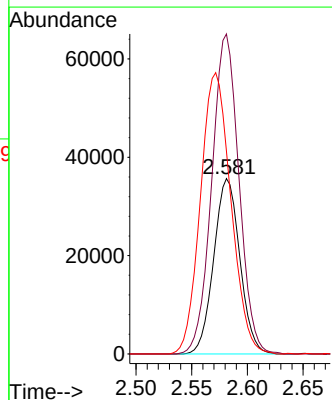
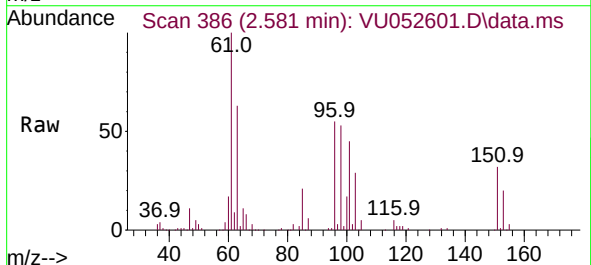
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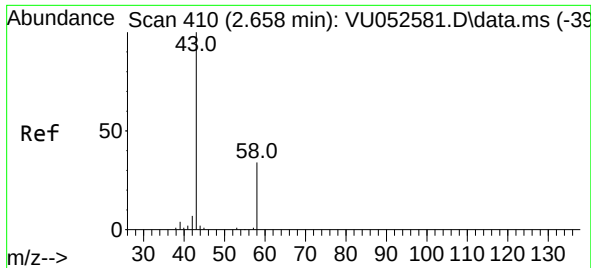
Tgt Ion:101 Resp: 56641
 Ion Ratio Lower Upper
 101 100
 85 45.7 35.8 53.6
 151 67.9 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.426 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052601.D
 Acq: 28 Dec 2022 20:37

Tgt Ion: 96 Resp: 58073
 Ion Ratio Lower Upper
 96 100
 61 182.5 135.4 251.4
 63 115.7 95.4 177.2





#13

Acetone

Concen: 42.674 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

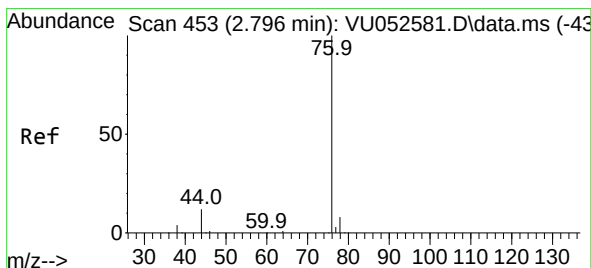
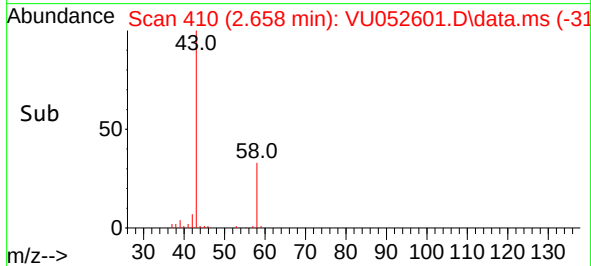
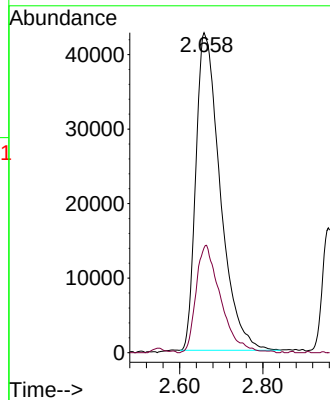
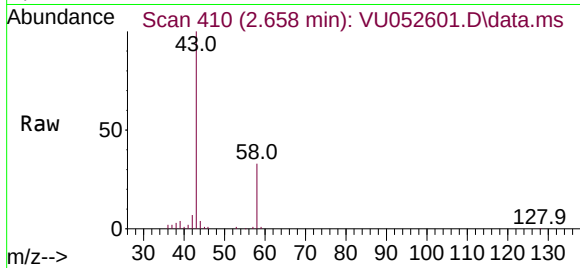
VSTD005121

Tgt Ion: 43 Resp: 173165

Ion Ratio Lower Upper

43 100

58 34.0 0.0 65.4



#14

Carbon disulfide

Concen: 4.352 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU052601.D

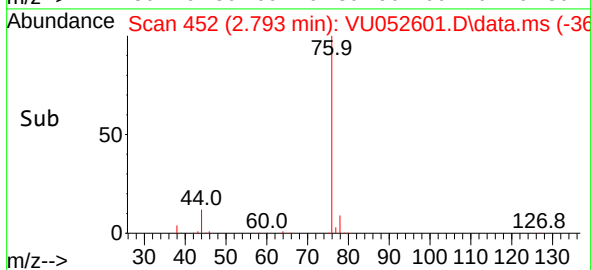
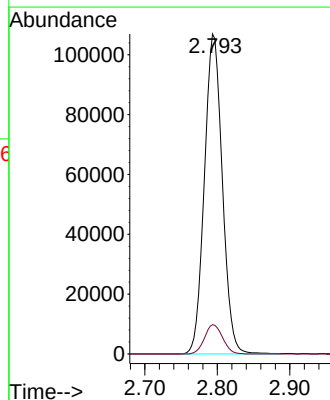
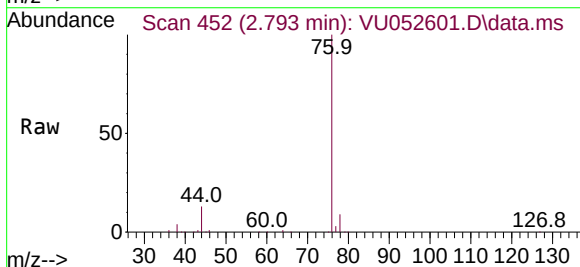
Acq: 28 Dec 2022 20:37

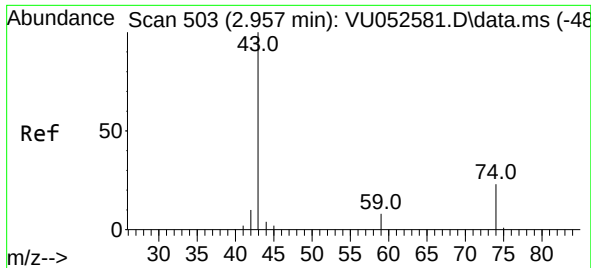
Tgt Ion: 76 Resp: 184003

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

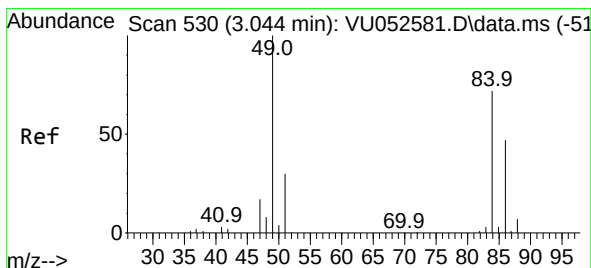
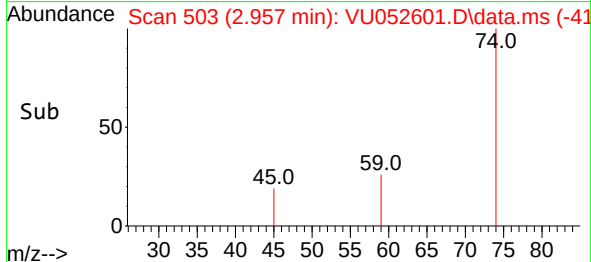
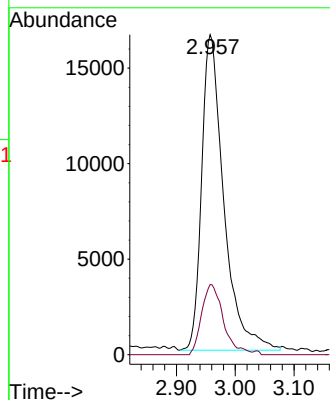
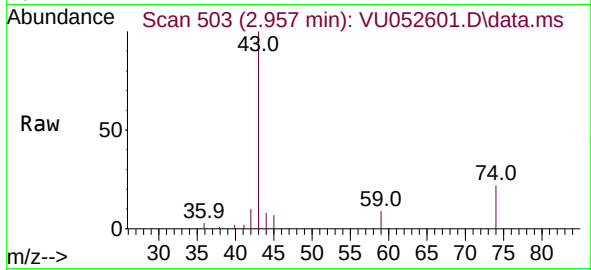




#15
Methyl Acetate
Concen: 4.829 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

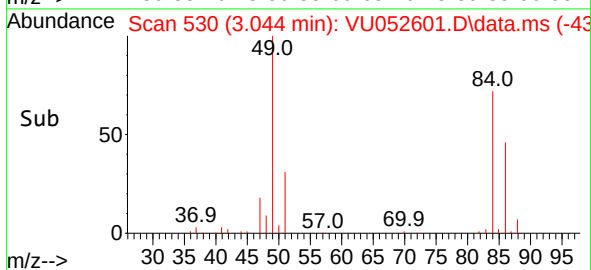
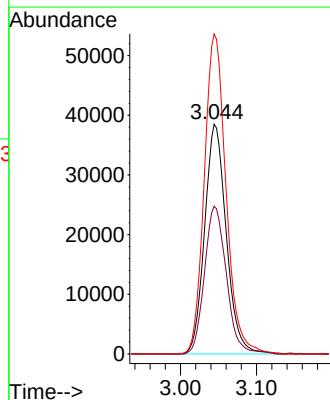
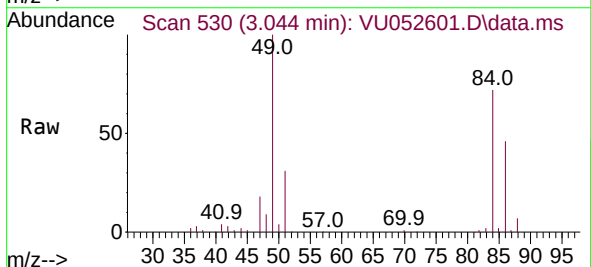
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

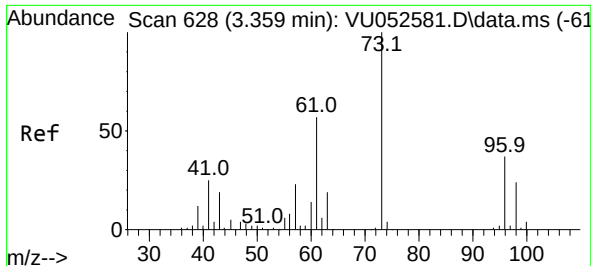
Tgt Ion: 43 Resp: 43172
Ion Ratio Lower Upper
43 100
74 21.8 16.9 25.3



#16
Methylene chloride
Concen: 4.112 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 84 Resp: 76212
Ion Ratio Lower Upper
84 100
86 64.3 44.7 83.1
49 139.2 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 4.856 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005121

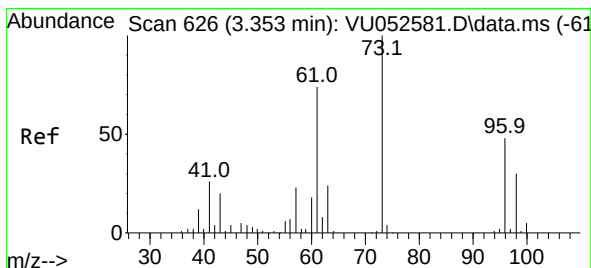
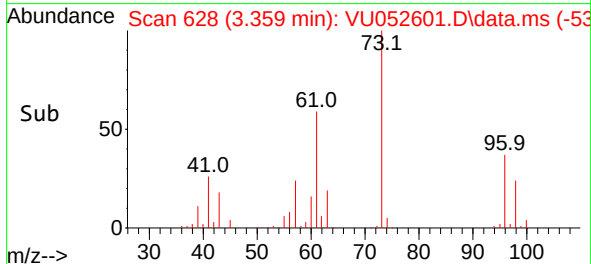
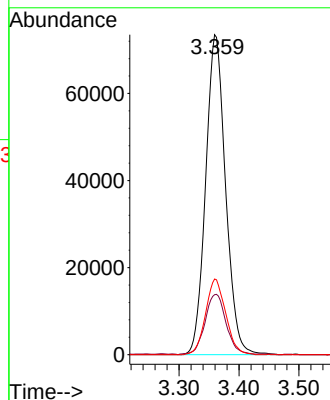
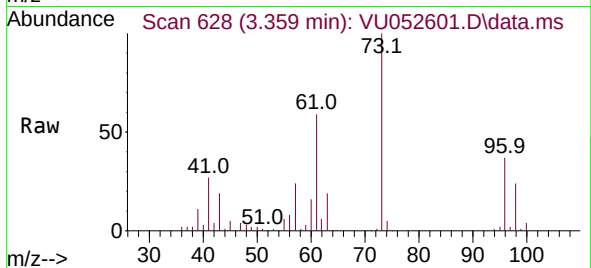
Tgt Ion: 73 Resp: 170120

Ion Ratio Lower Upper

73 100

43 20.1 16.1 24.1

57 23.8 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 4.654 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

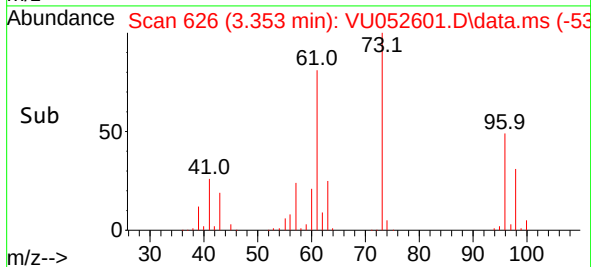
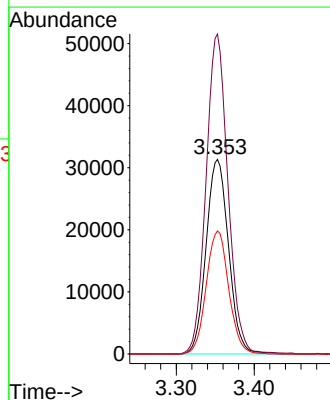
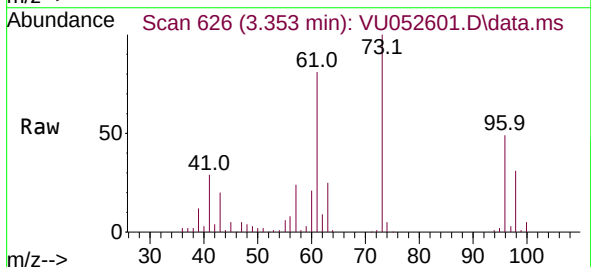
Tgt Ion: 96 Resp: 62940

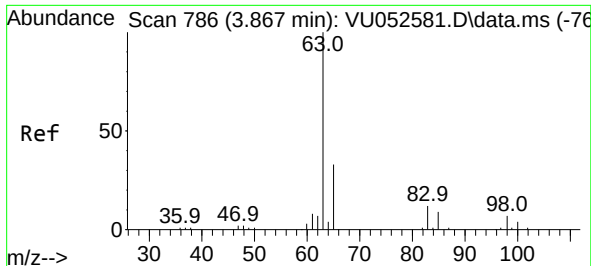
Ion Ratio Lower Upper

96 100

61 164.4 108.3 201.1

98 63.2 44.0 81.6

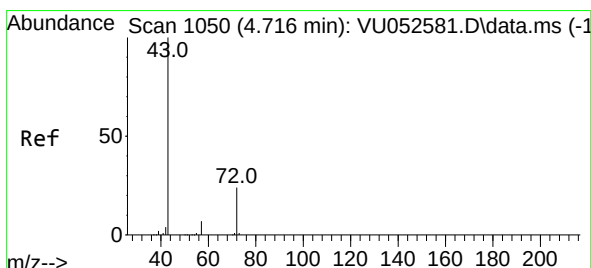
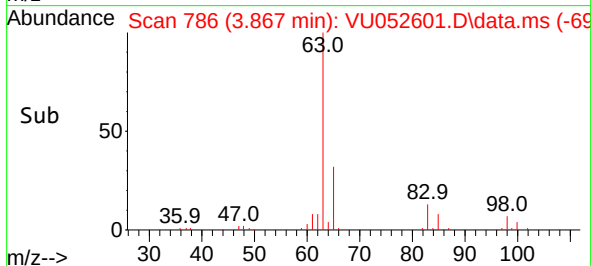
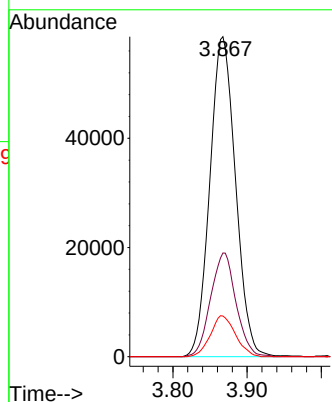
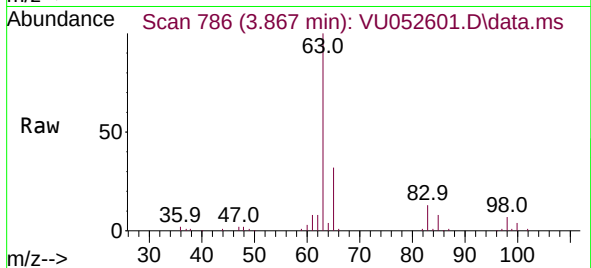




#19
1,1-Dichloroethane
Concen: 4.786 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

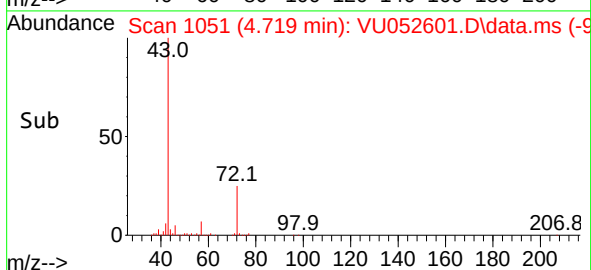
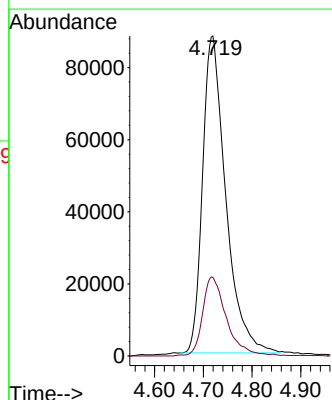
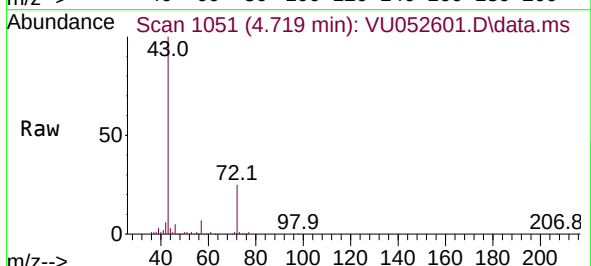
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

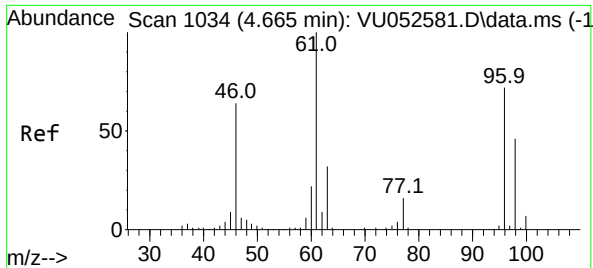
Tgt Ion: 63 Resp: 140759
Ion Ratio Lower Upper
63 100
65 32.4 22.0 40.8
83 12.7 9.0 16.8



#21
2-Butanone
Concen: 48.720 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.003 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 43 Resp: 291170
Ion Ratio Lower Upper
43 100
72 24.4 11.6 34.7

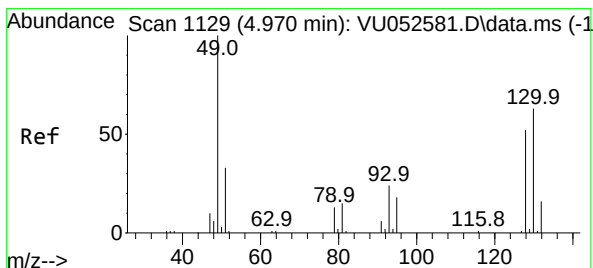
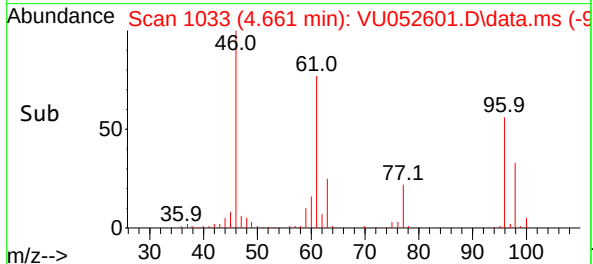
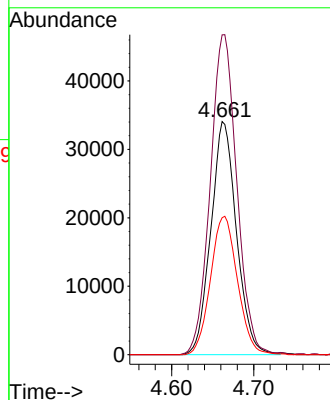
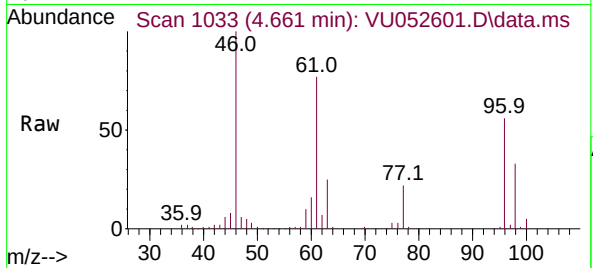




#22
 cis-1,2-Dichloroethene
 Concen: 4.993 ug/L
 RT: 4.661 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU052601.D
 Acq: 28 Dec 2022 20:37

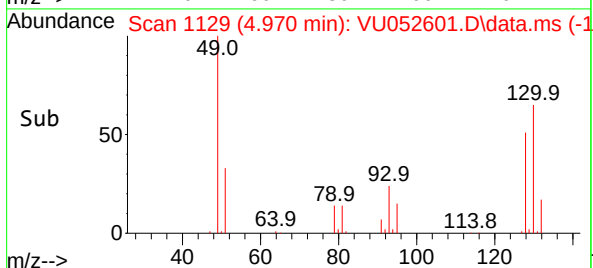
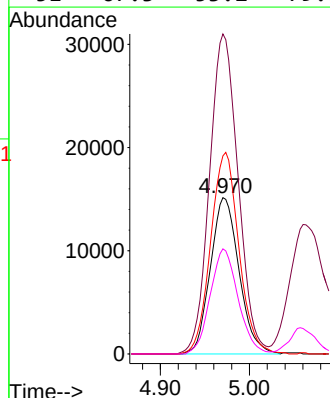
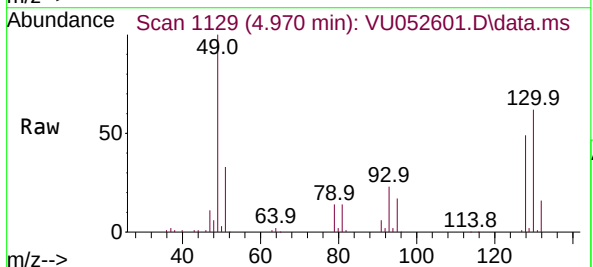
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005121

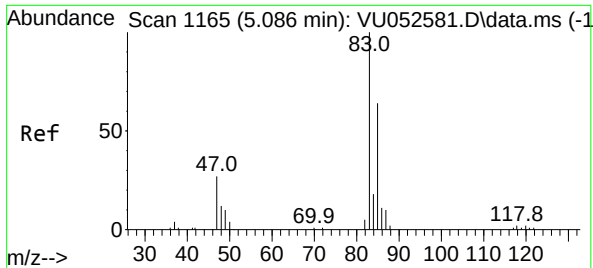
Tgt Ion: 96 Resp: 74110
 Ion Ratio Lower Upper
 96 100
 61 137.2 96.9 180.1
 98 58.7 44.7 83.1



#23
 Bromochloromethane
 Concen: 4.913 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU052601.D
 Acq: 28 Dec 2022 20:37

Tgt Ion:128 Resp: 33793
 Ion Ratio Lower Upper
 128 100
 49 204.7 143.3 266.1
 130 126.7 88.4 164.2
 51 67.3 53.2 79.8

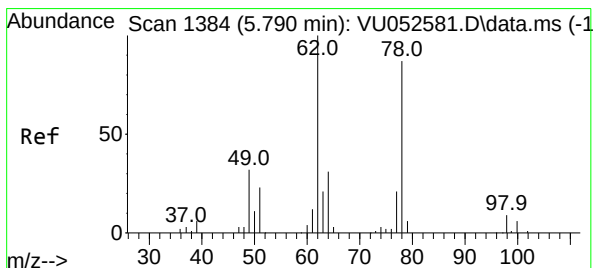
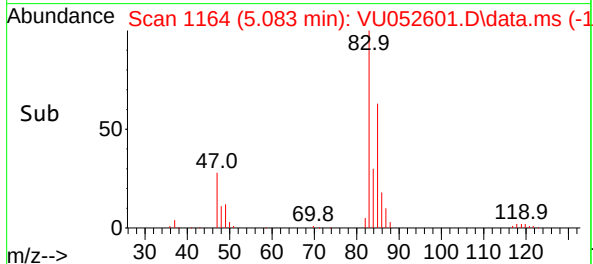
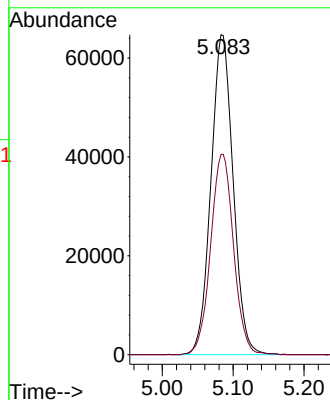
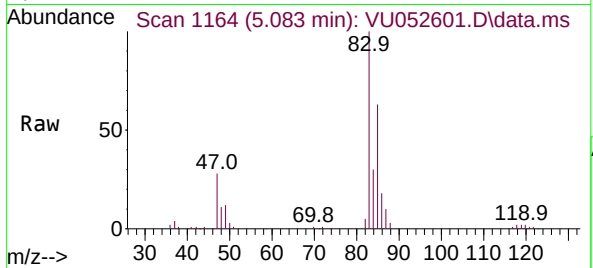




#25
Chloroform
Concen: 4.939 ug/L
RT: 5.083 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

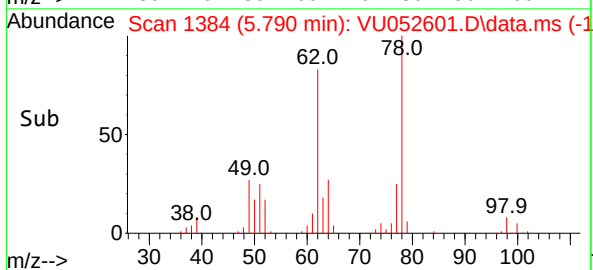
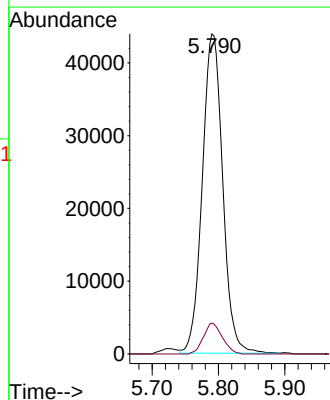
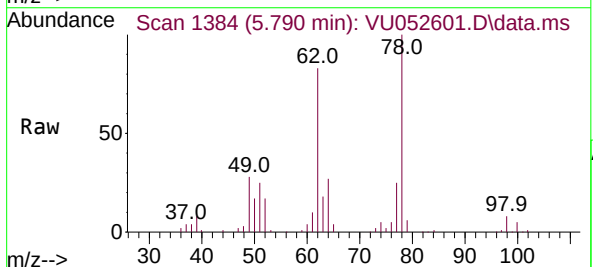
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

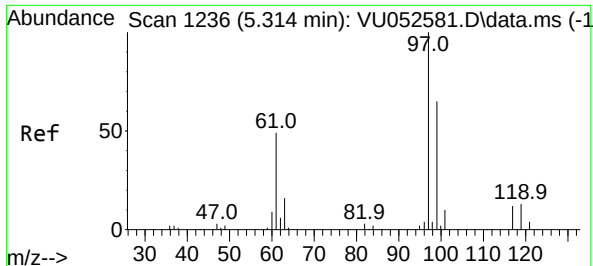
Tgt Ion: 83 Resp: 140738
Ion Ratio Lower Upper
83 100
85 62.5 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.763 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 62 Resp: 93765
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.873 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005121

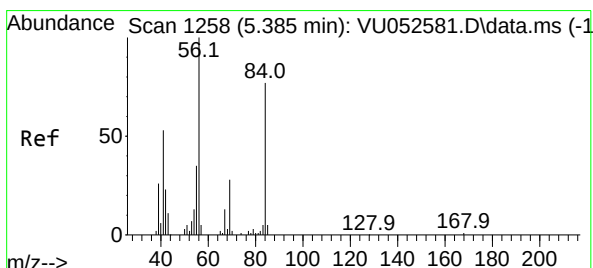
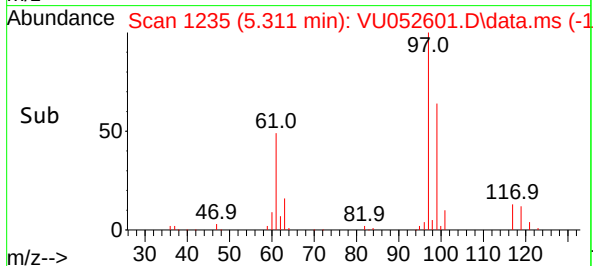
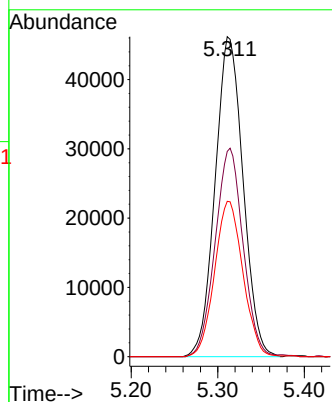
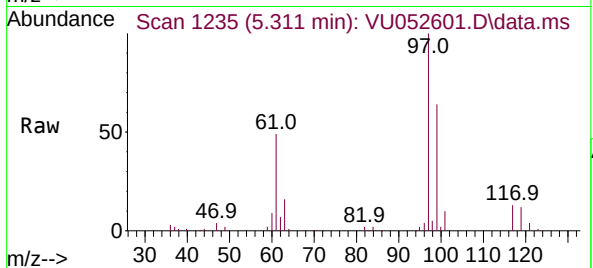
Tgt Ion: 97 Resp: 103430

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.2

61 49.2 41.6 62.4



#30

Cyclohexane

Concen: 4.514 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

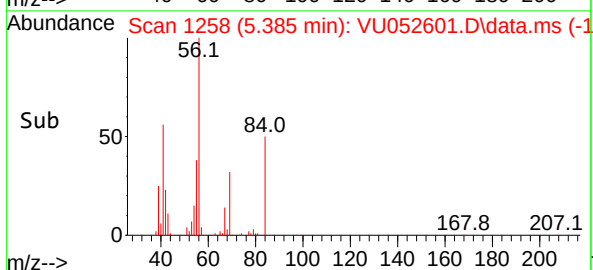
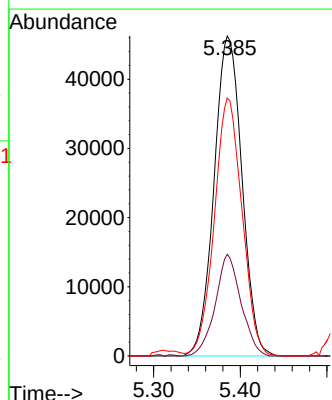
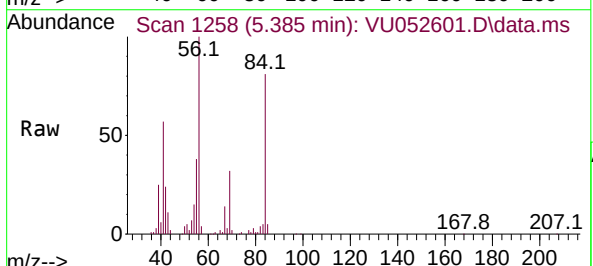
Tgt Ion: 56 Resp: 103516

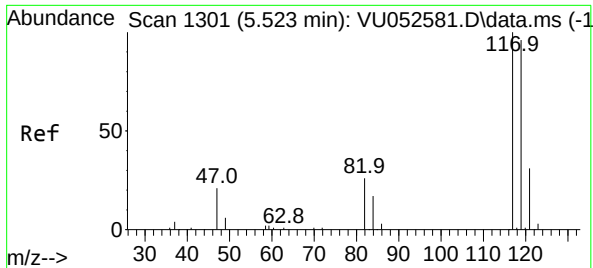
Ion Ratio Lower Upper

56 100

69 29.2 23.0 34.6

84 80.1 64.4 96.6

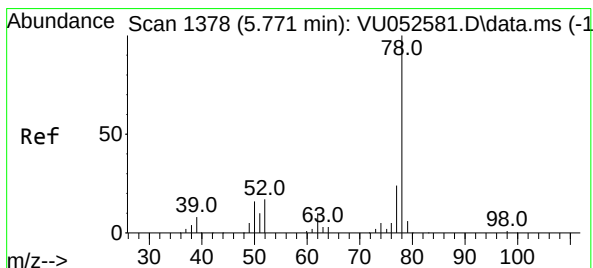
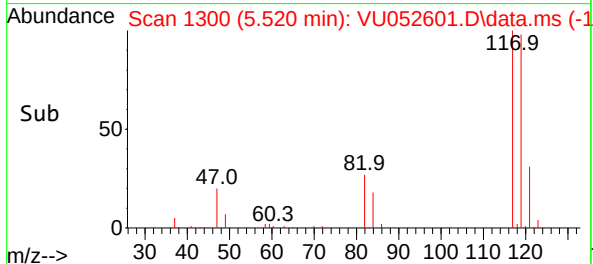
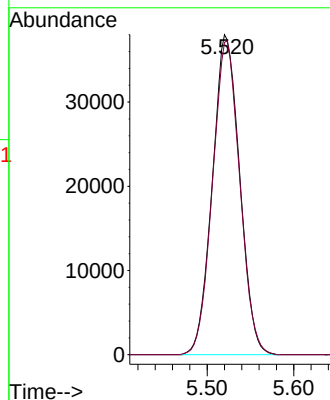
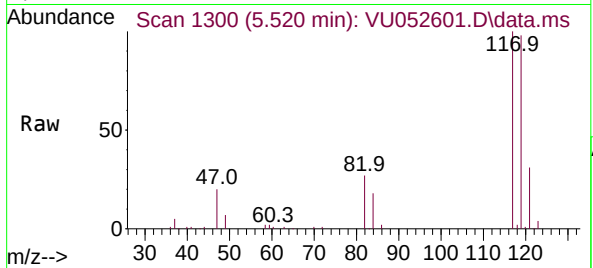




#31
Carbon tetrachloride
Concen: 4.459 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

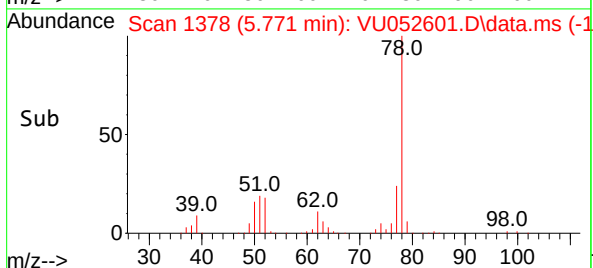
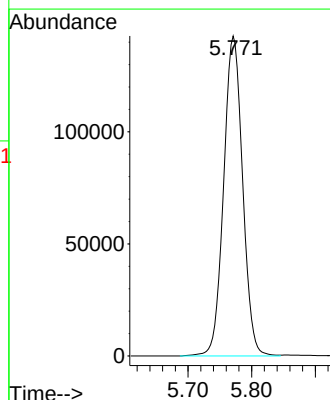
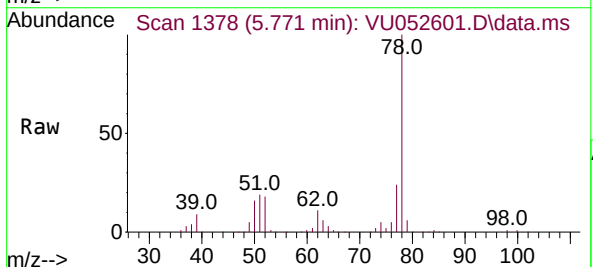
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

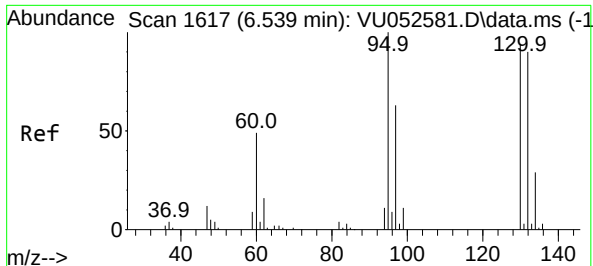
Tgt Ion:117 Resp: 83160
Ion Ratio Lower Upper
117 100
119 97.6 76.3 114.5



#33
Benzene
Concen: 4.873 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 78 Resp: 295962

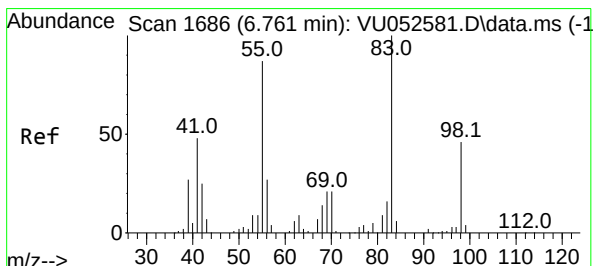
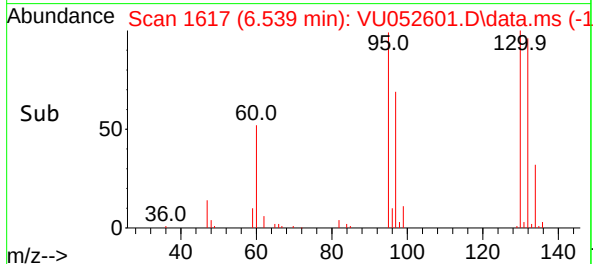
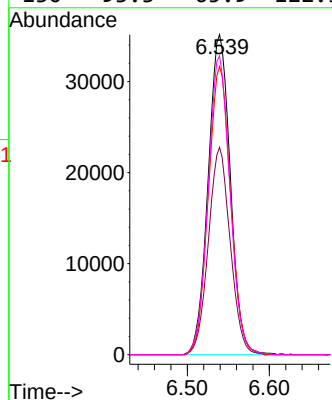
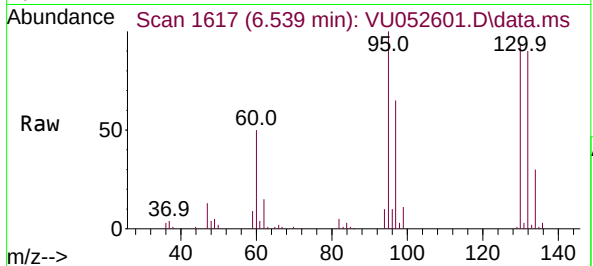




#34
Trichloroethene
Concen: 4.645 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

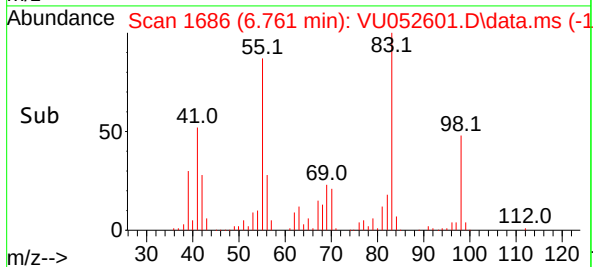
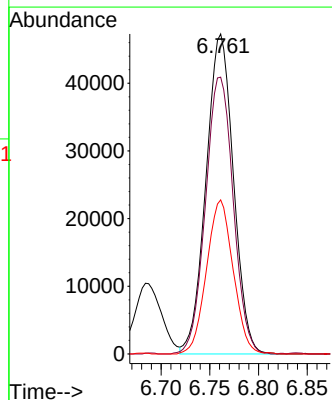
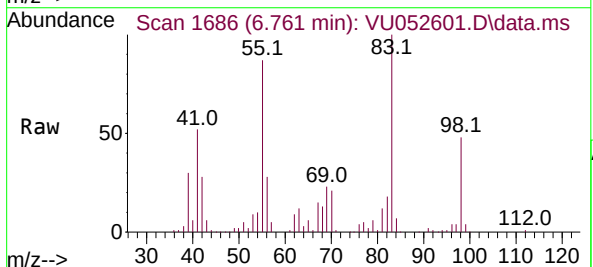
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

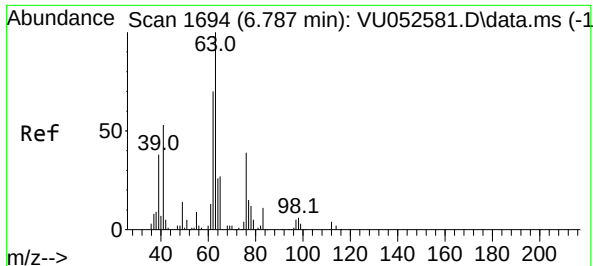
Tgt Ion: 95 Resp: 65955
Ion Ratio Lower Upper
95 100
97 64.8 46.3 86.1
132 90.1 63.9 118.7
130 93.3 65.9 122.5



#35
Methylcyclohexane
Concen: 4.329 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 83 Resp: 92689
Ion Ratio Lower Upper
83 100
55 87.5 71.4 107.0
98 46.6 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.051 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

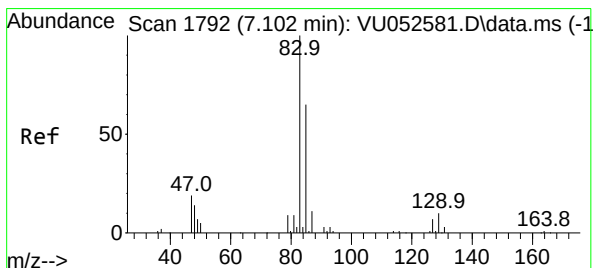
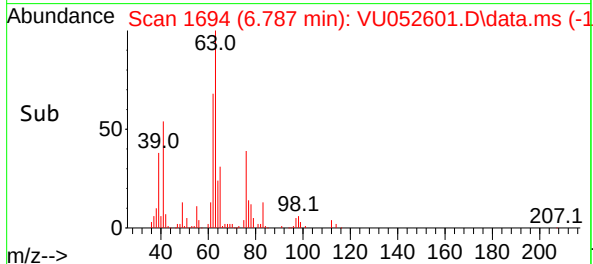
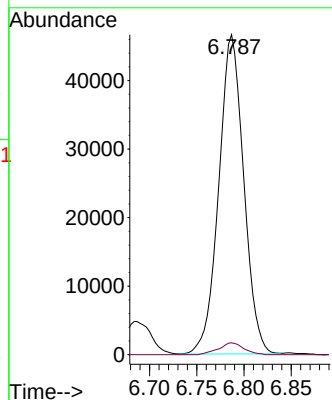
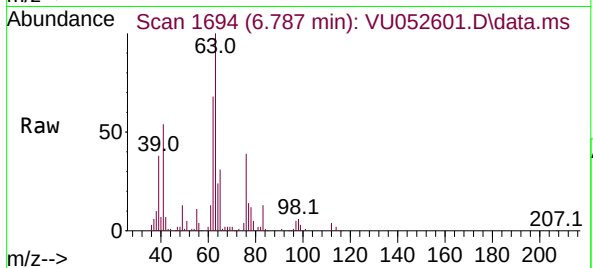
VSTD005121

Tgt Ion: 63 Resp: 85606

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 4.903 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

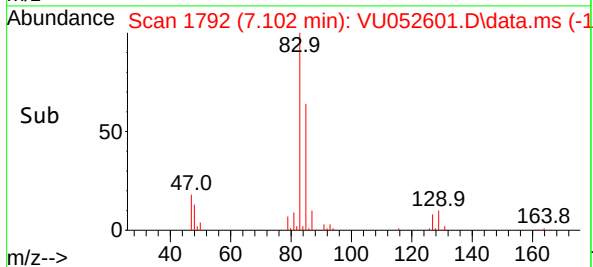
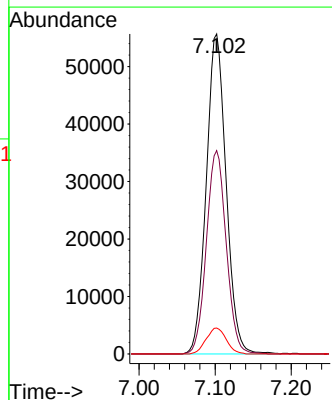
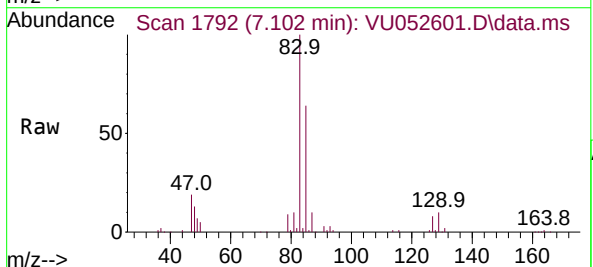
Tgt Ion: 83 Resp: 101137

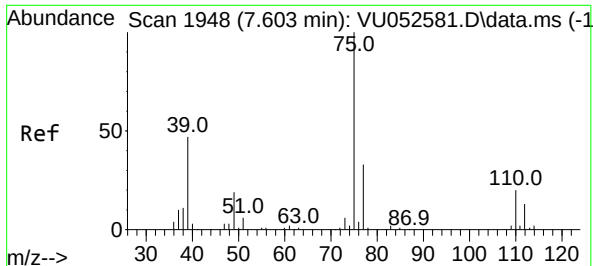
Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 8.1 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

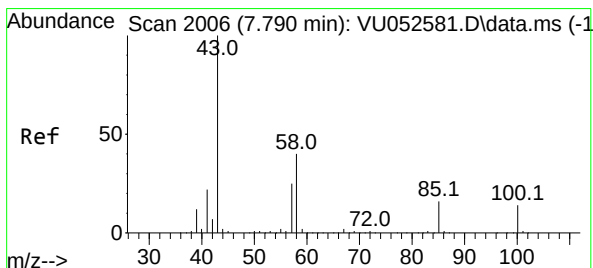
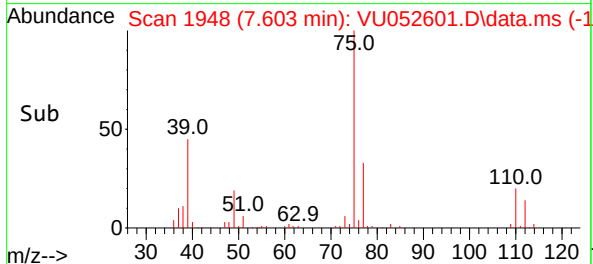
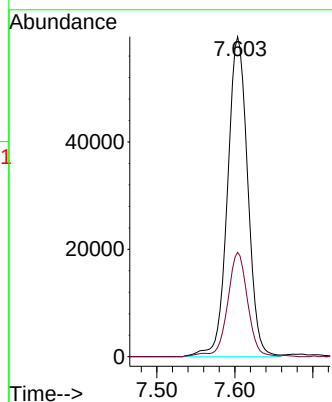
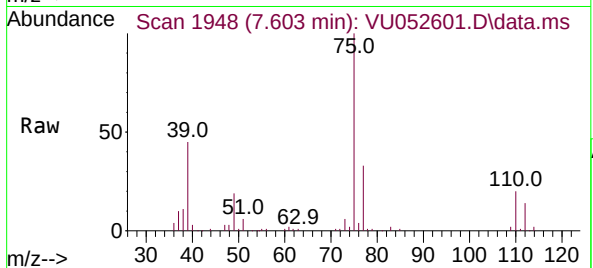
VSTD005121

Tgt Ion: 75 Resp: 107286

Ion Ratio Lower Upper

75 100

77 32.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 53.437 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

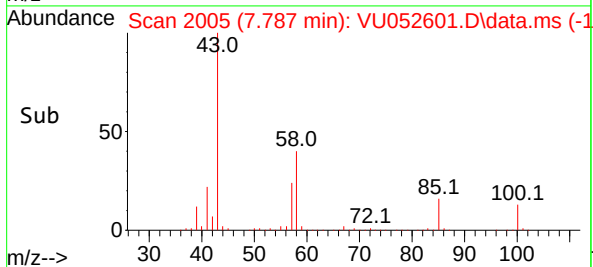
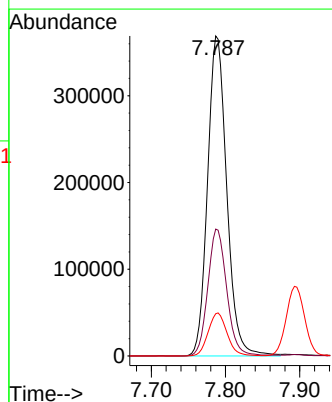
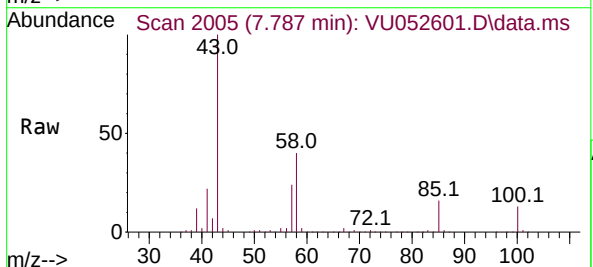
Tgt Ion: 43 Resp: 661828

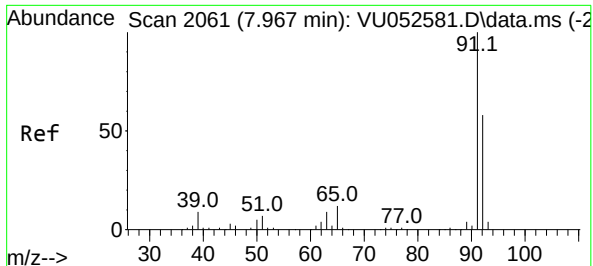
Ion Ratio Lower Upper

43 100

58 39.2 30.6 45.8

100 13.3 10.4 15.6





#42

Toluene

Concen: 5.134 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

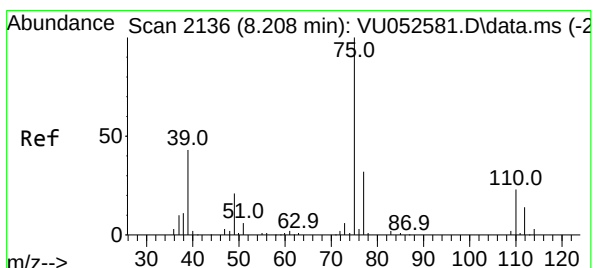
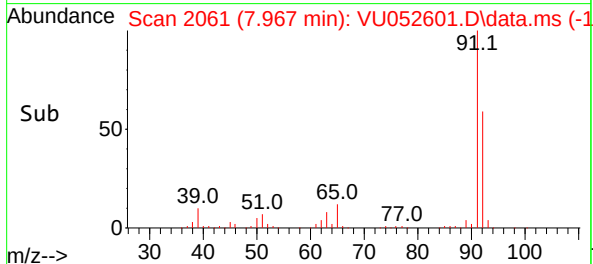
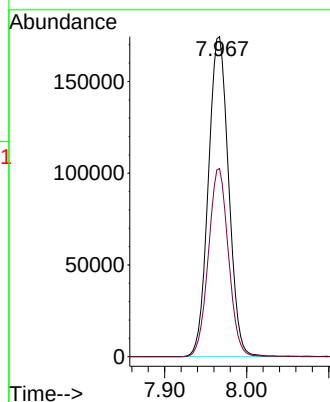
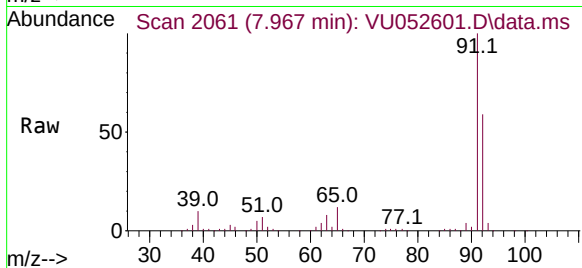
VSTD005121

Tgt Ion: 91 Resp: 298967

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.197 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU052601.D

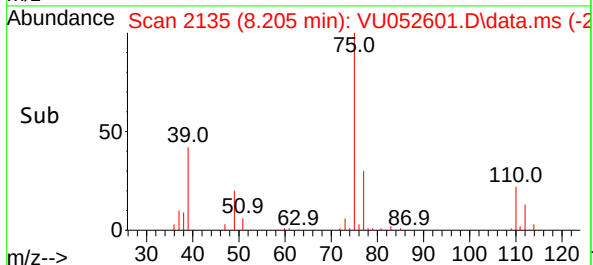
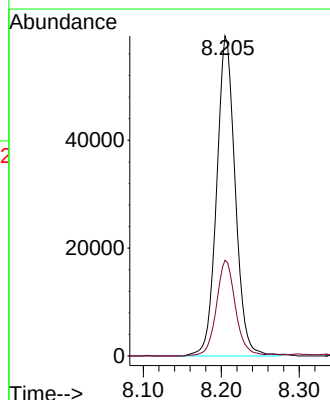
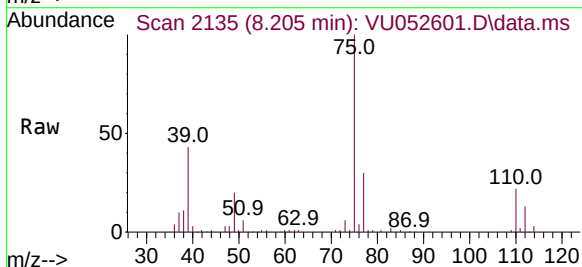
Acq: 28 Dec 2022 20:37

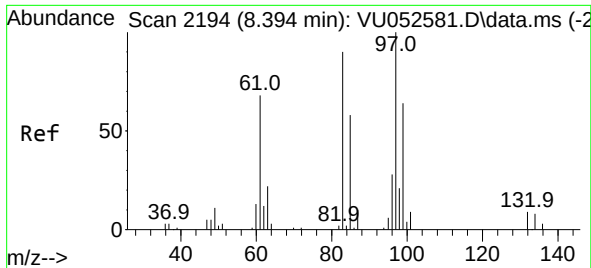
Tgt Ion: 75 Resp: 98299

Ion Ratio Lower Upper

75 100

77 29.9 22.8 42.4

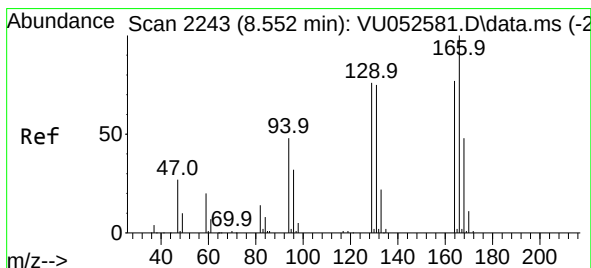
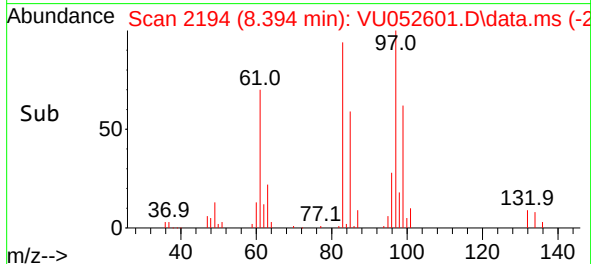
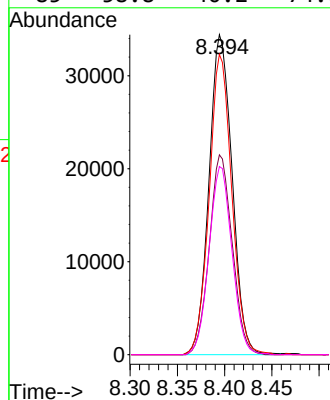
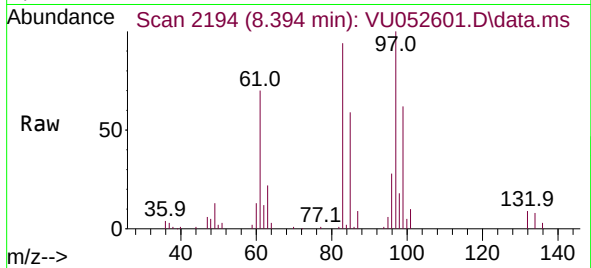




#45
1,1,2-Trichloroethane
Concen: 4.876 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

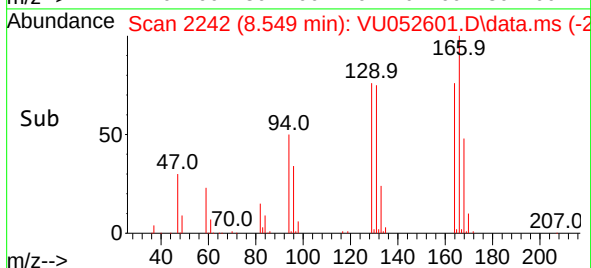
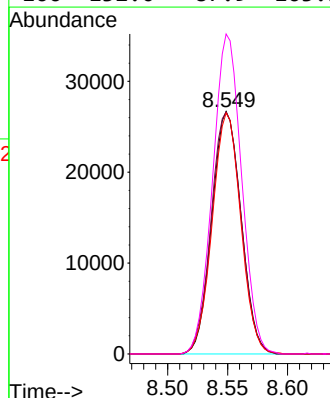
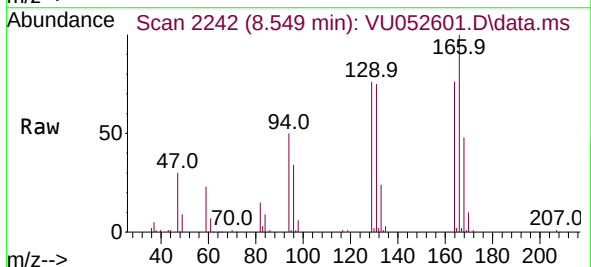
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

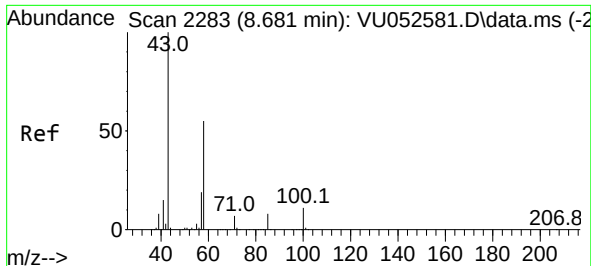
Tgt Ion:	97	Resp:	58530
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.0	78.0
83	93.9	63.2	117.4
85	58.8	40.2	74.6



#47
Tetrachloroethene
Concen: 4.563 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion:	164	Resp:	45223
Ion	Ratio	Lower	Upper
164	100		
129	99.8	68.1	126.5
131	99.3	66.5	123.5
166	132.0	87.9	163.3

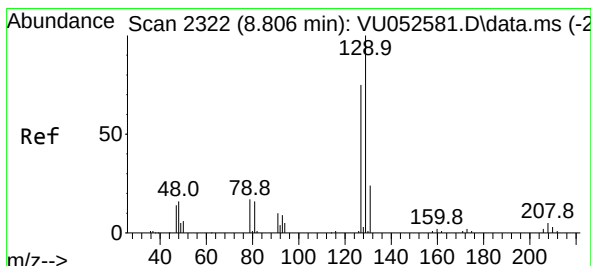
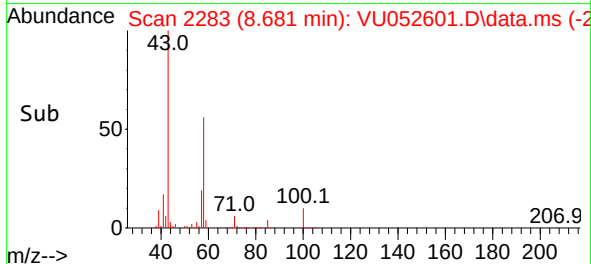
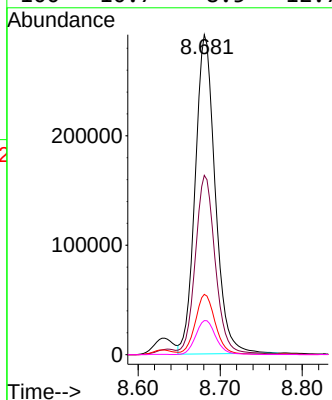
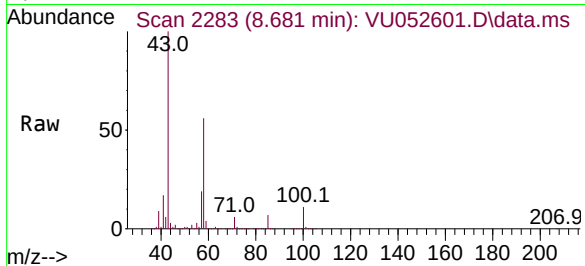




#48
2-Hexanone
Concen: 52.948 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

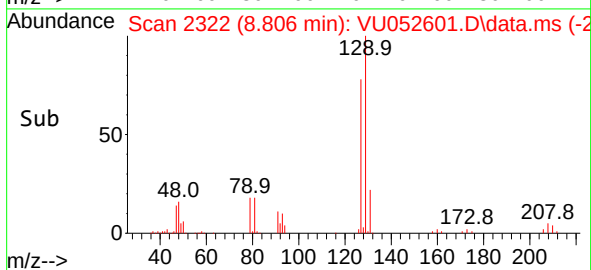
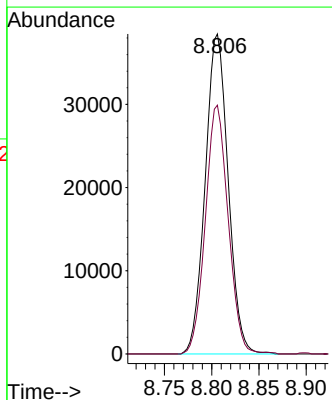
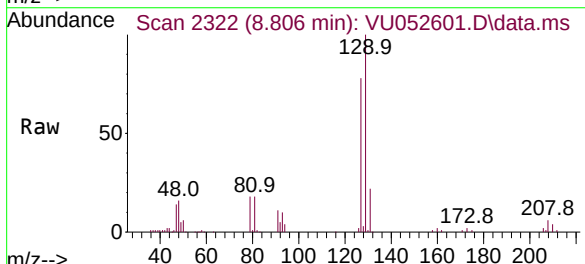
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

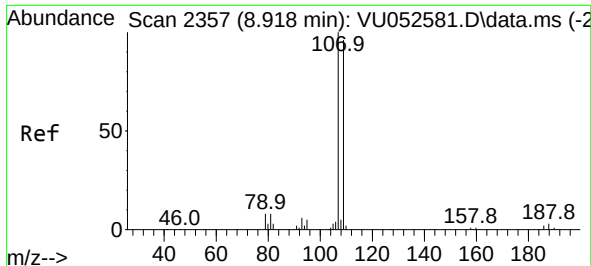
Tgt Ion: 43 Resp: 494314
Ion Ratio Lower Upper
43 100
58 56.4 44.1 66.1
57 19.0 14.6 21.8
100 10.7 8.5 12.7



#49
Dibromochloromethane
Concen: 5.119 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 129 Resp: 65064
Ion Ratio Lower Upper
129 100
127 77.8 54.2 100.6





#50

1,2-Dibromoethane

Concen: 4.932 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005121

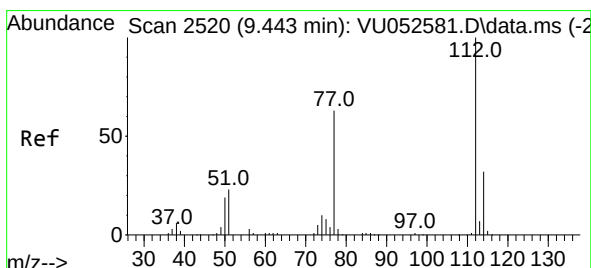
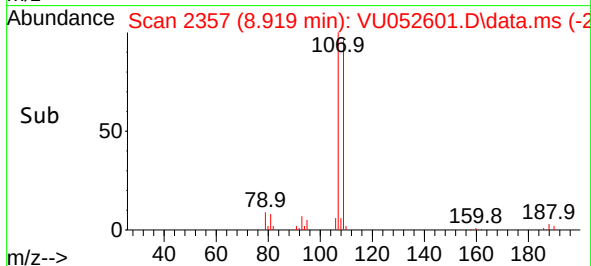
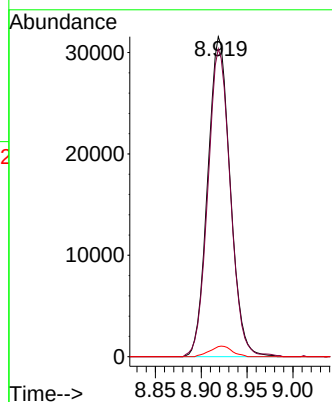
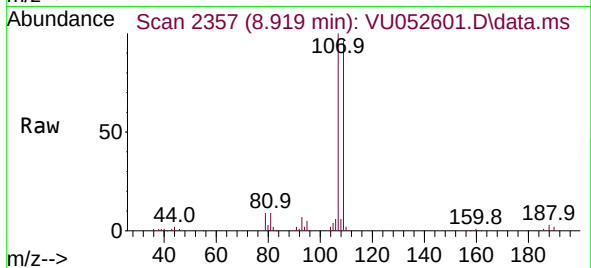
Tgt Ion:107 Resp: 53814

Ion Ratio Lower Upper

107 100

109 96.2 65.8 122.2

188 3.1 2.3 3.5



#51

Chlorobenzene

Concen: 4.949 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

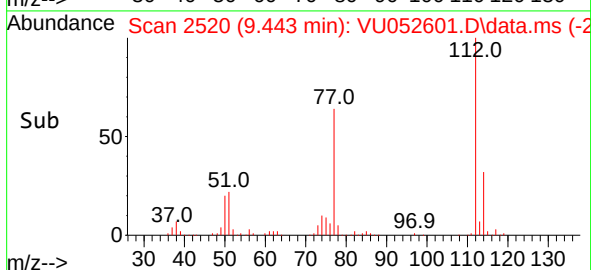
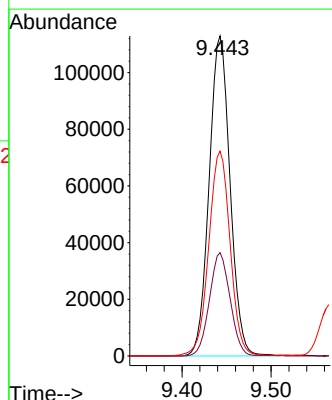
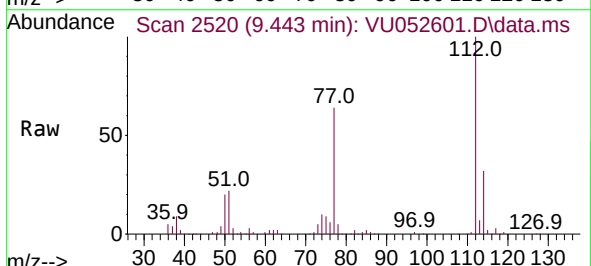
Tgt Ion:112 Resp: 184058

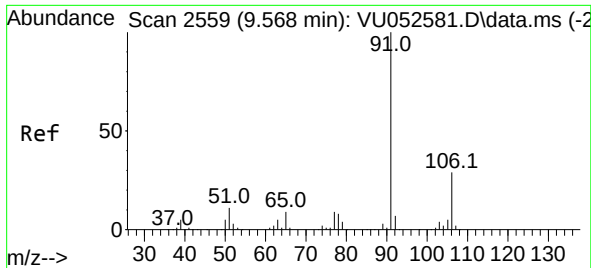
Ion Ratio Lower Upper

112 100

114 32.3 21.3 39.5

77 64.0 51.0 76.6

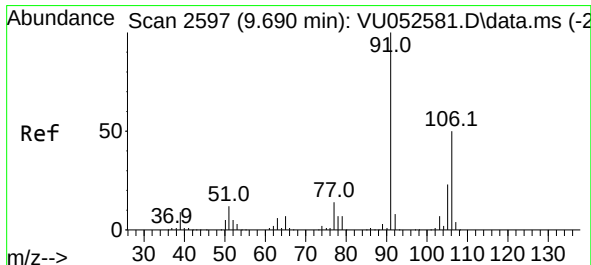
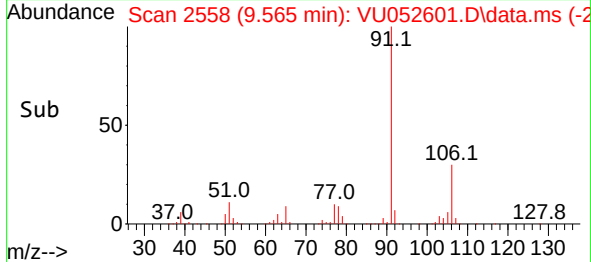
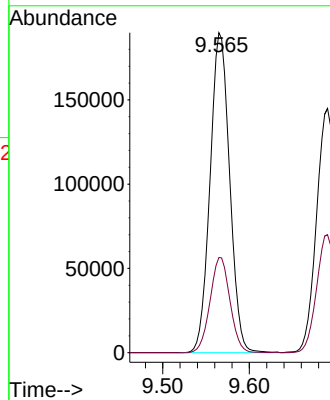
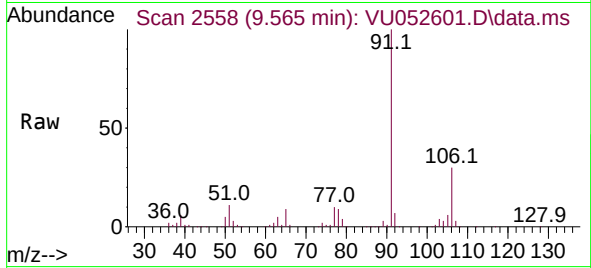




#52
Ethylbenzene
Concen: 4.946 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

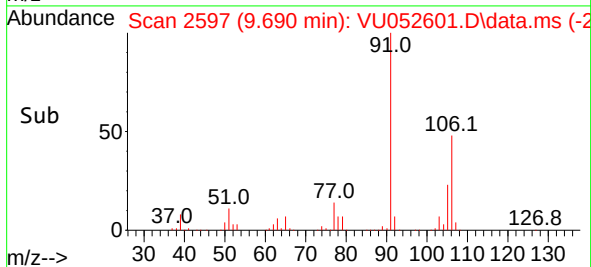
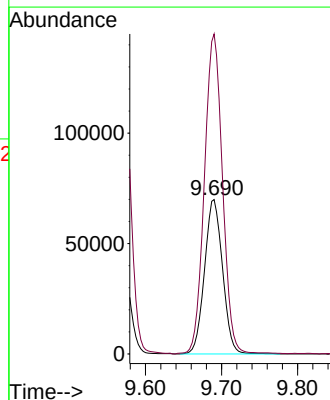
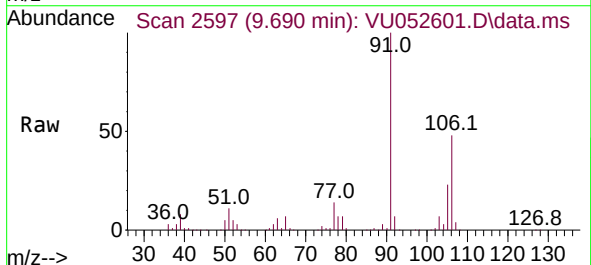
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

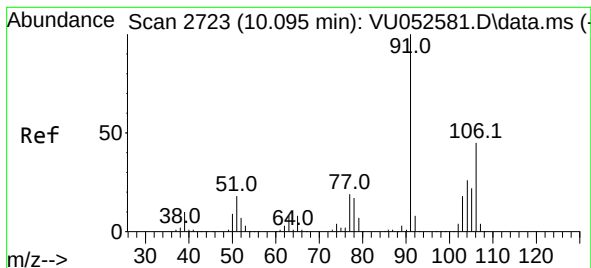
Tgt Ion: 91 Resp: 298084
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.7



#53
m,p-Xylene
Concen: 5.182 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion:106 Resp: 115156
Ion Ratio Lower Upper
106 100
91 207.2 148.2 275.2





#54

o-Xylene

Concen: 5.172 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

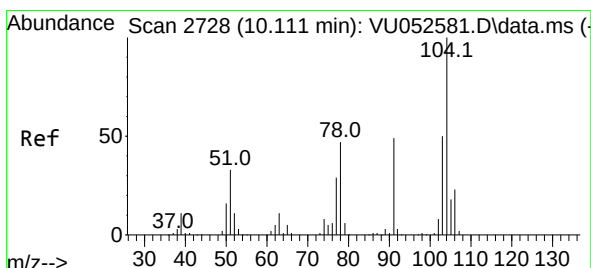
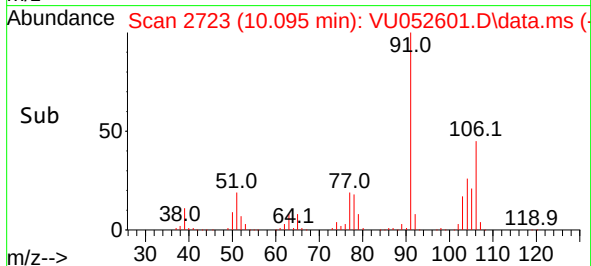
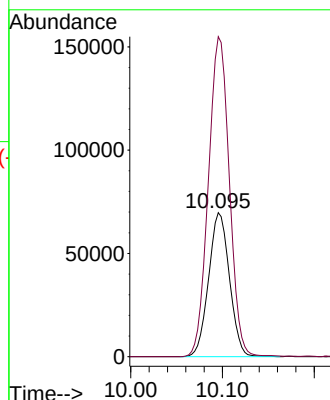
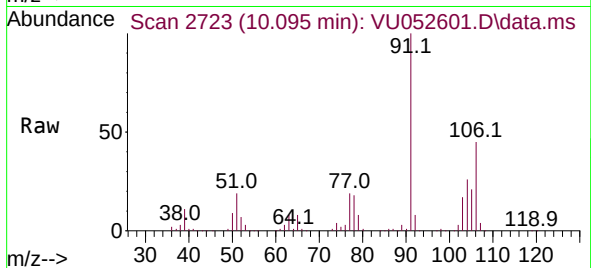
VSTD005121

Tgt Ion:106 Resp: 110179

Ion Ratio Lower Upper

106 100

91 222.2 153.2 284.4



#55

Styrene

Concen: 4.649 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU052601.D

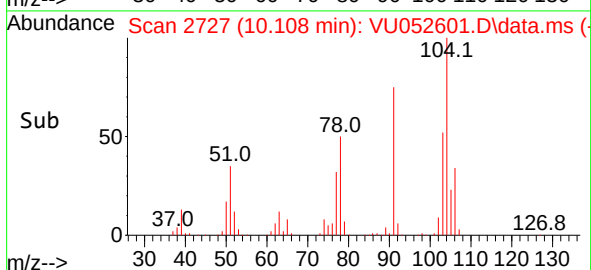
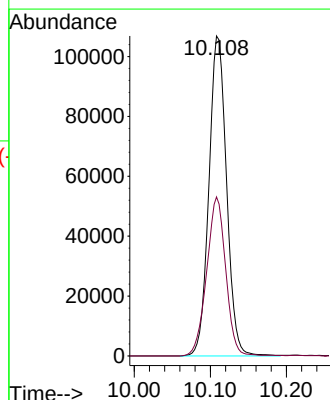
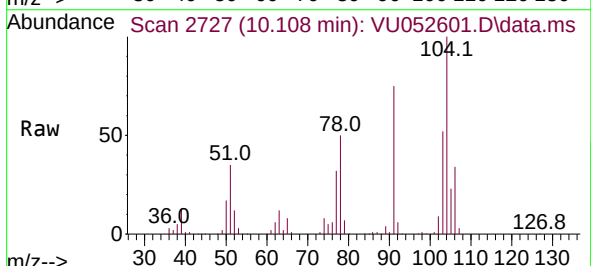
Acq: 28 Dec 2022 20:37

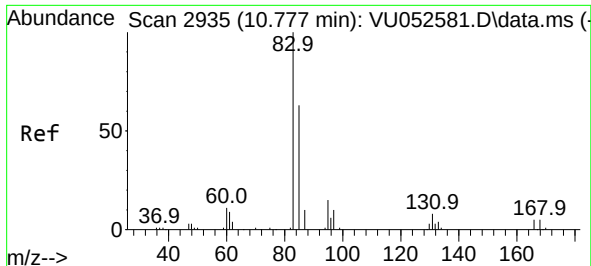
Tgt Ion:104 Resp: 172315

Ion Ratio Lower Upper

104 100

78 49.7 33.4 62.0

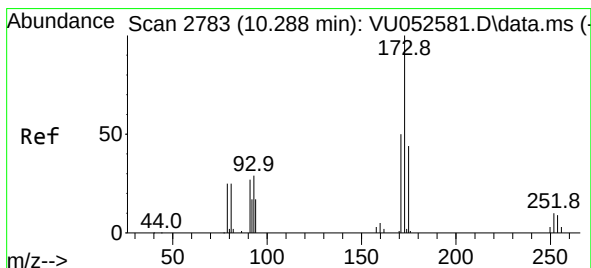
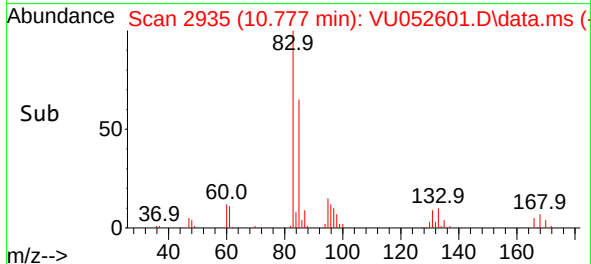
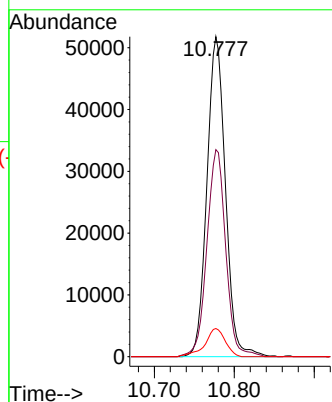
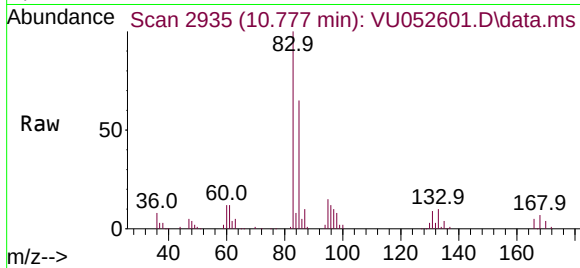




#57
1,1,2,2-Tetrachloroethane
Concen: 5.022 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

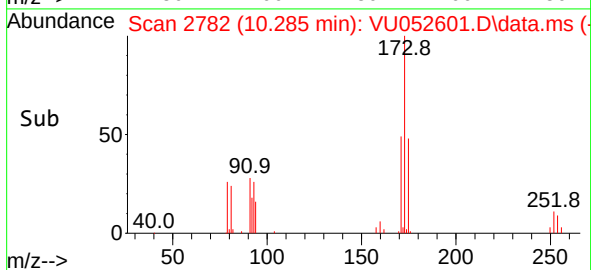
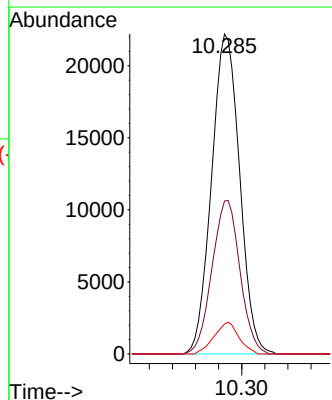
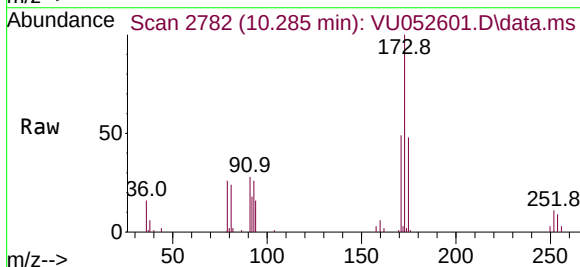
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

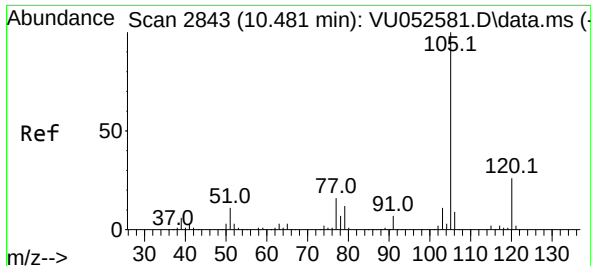
Tgt Ion: 83 Resp: 83328
Ion Ratio Lower Upper
83 100
85 64.7 44.7 83.1
131 8.8 6.0 9.0



#59
Bromoform
Concen: 4.707 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 173 Resp: 37452
Ion Ratio Lower Upper
173 100
175 47.7 38.9 58.3
254 8.7 7.0 10.6

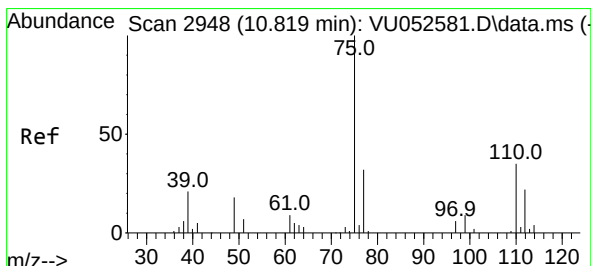
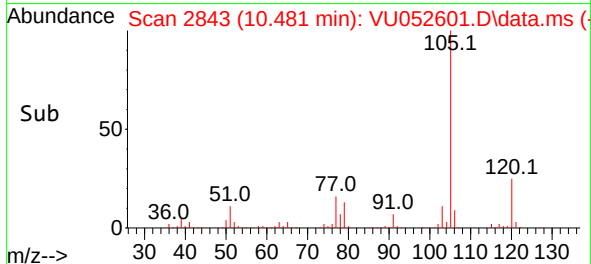
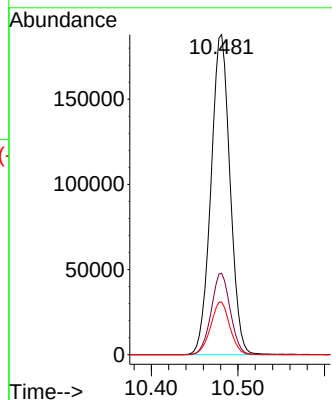
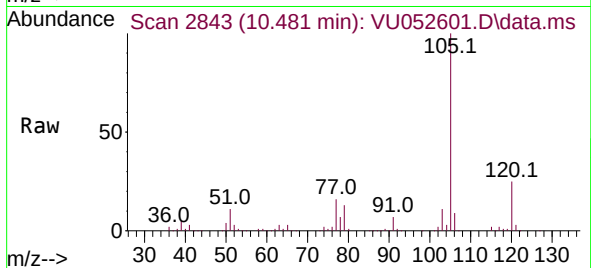




#60
Isopropylbenzene
Concen: 4.904 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

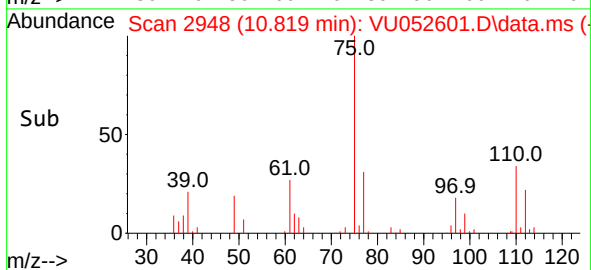
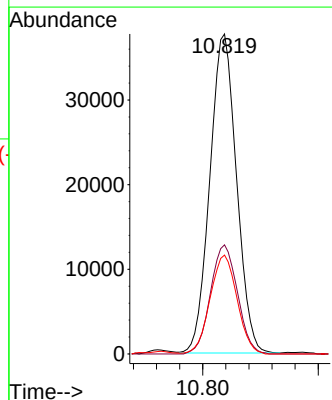
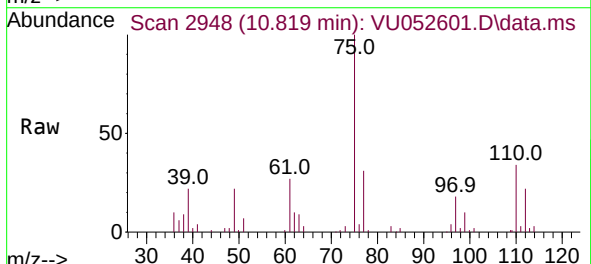
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

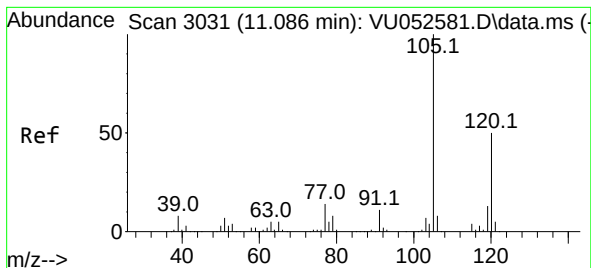
Tgt Ion:105 Resp: 287848
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0
77 16.7 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.647 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion: 75 Resp: 60353
Ion Ratio Lower Upper
75 100
110 34.5 27.9 41.9
77 31.4 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 4.780 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

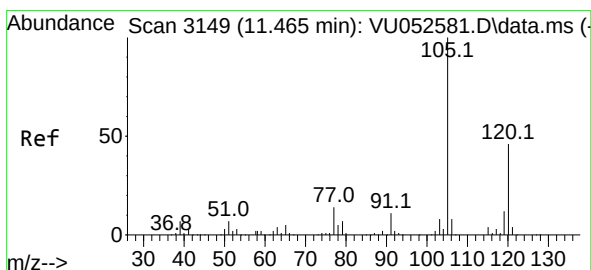
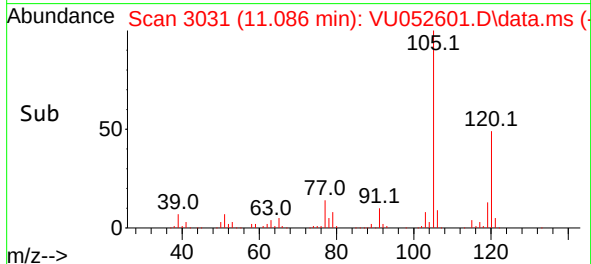
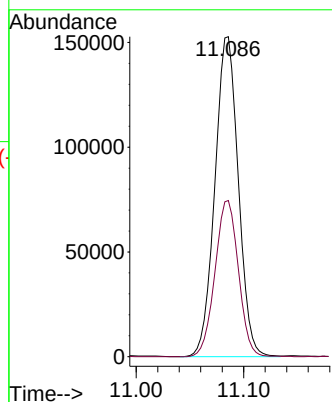
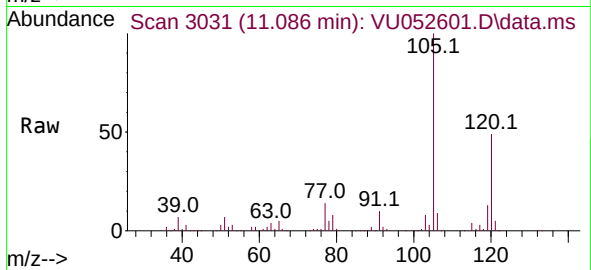
VSTD005121

Tgt Ion:105 Resp: 231373

Ion Ratio Lower Upper

105 100

120 48.7 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 4.845 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU052601.D

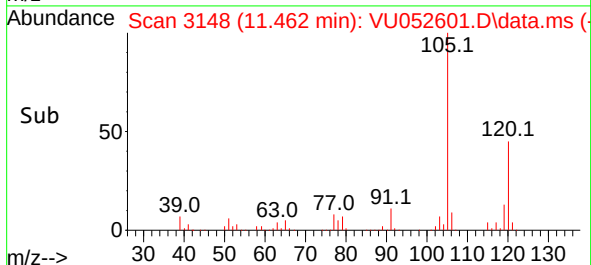
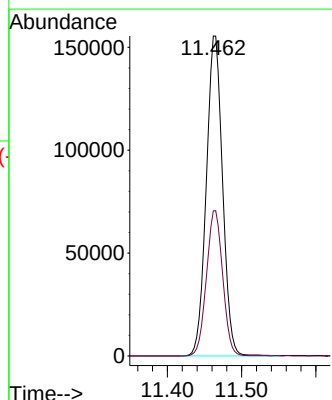
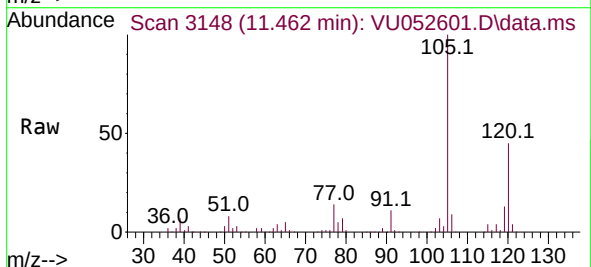
Acq: 28 Dec 2022 20:37

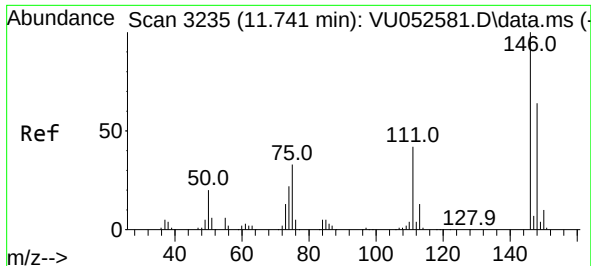
Tgt Ion:105 Resp: 236090

Ion Ratio Lower Upper

105 100

120 45.4 35.6 53.4

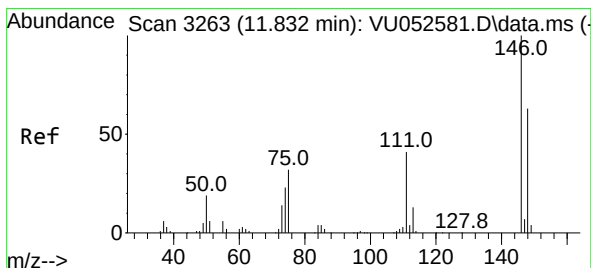
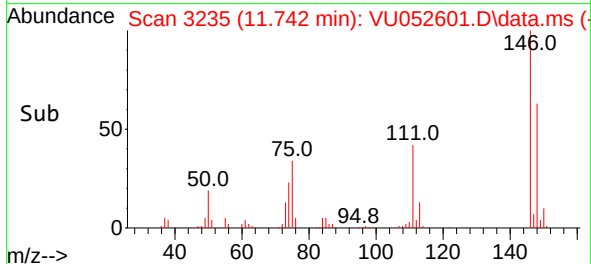
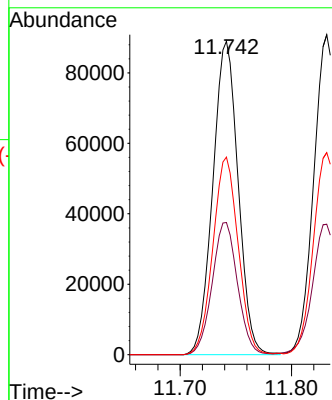
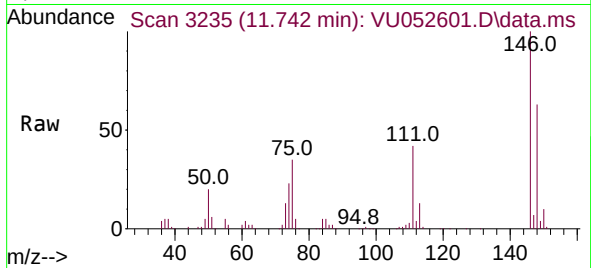




#64
1,3-Dichlorobenzene
Concen: 4.826 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

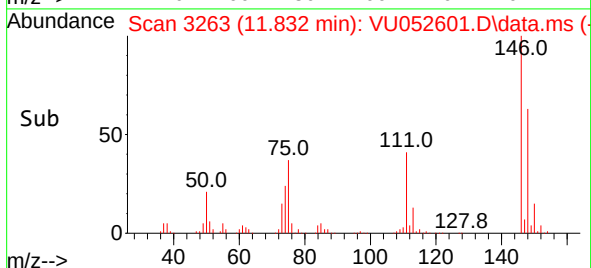
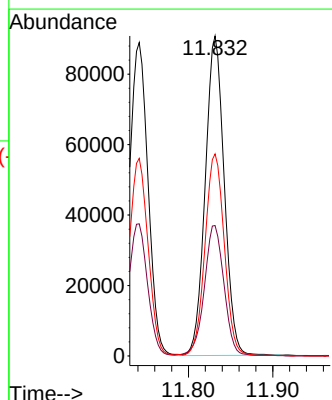
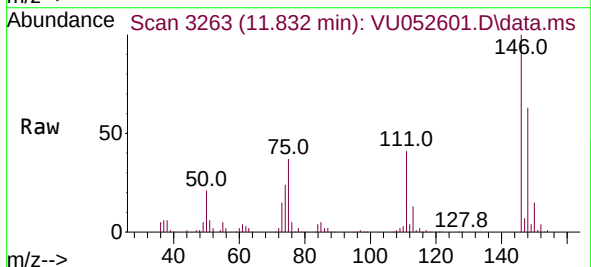
Instrument :
MSVOA_U
ClientSampleId :
VSTD005121

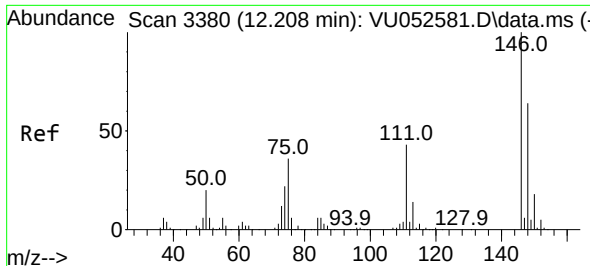
Tgt Ion:146 Resp: 140523
Ion Ratio Lower Upper
146 100
111 42.2 29.9 55.5
148 63.1 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.728 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052601.D
Acq: 28 Dec 2022 20:37

Tgt Ion:146 Resp: 142382
Ion Ratio Lower Upper
146 100
111 40.8 27.5 51.1
148 63.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.753 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005121

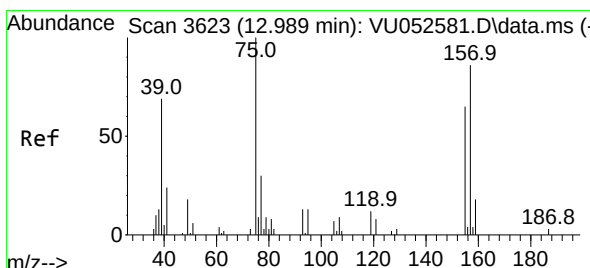
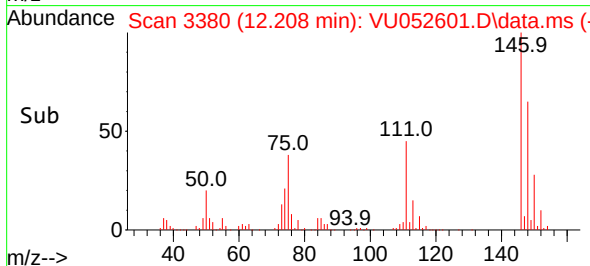
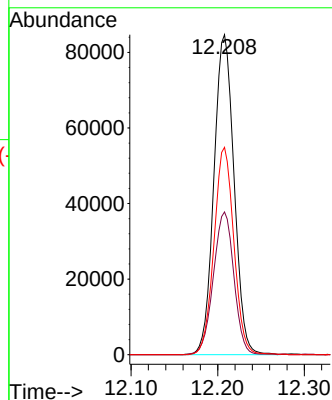
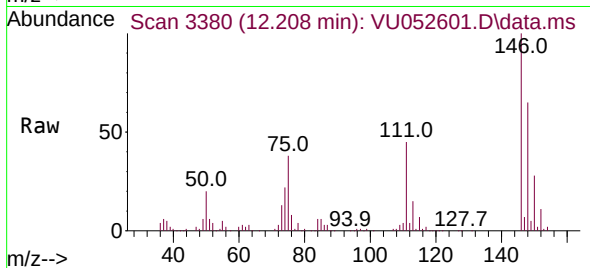
Tgt Ion:146 Resp: 136760

Ion Ratio Lower Upper

146 100

111 44.6 36.6 55.0

148 64.8 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.667 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

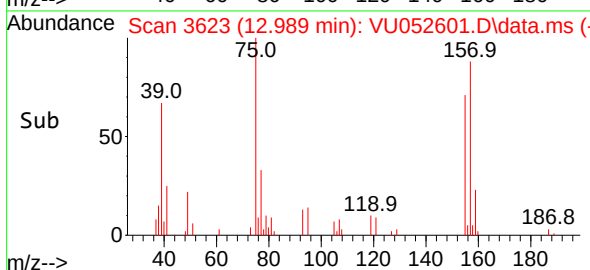
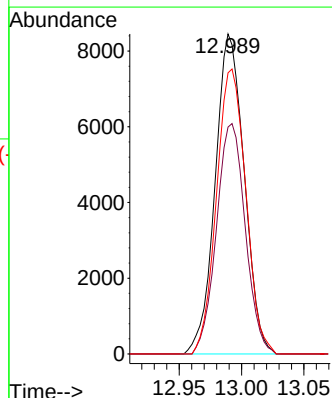
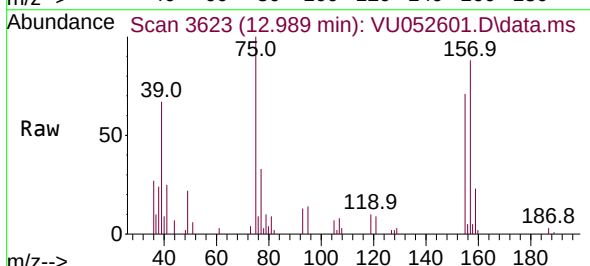
Tgt Ion: 75 Resp: 13720

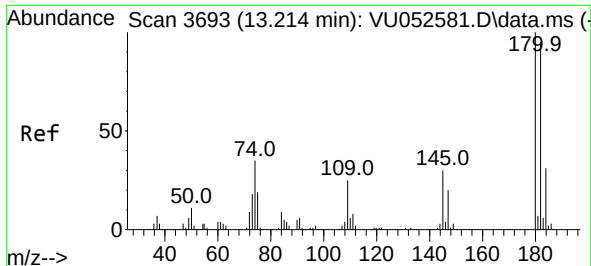
Ion Ratio Lower Upper

75 100

155 70.9 62.2 93.2

157 87.8 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 4.622 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005121

Tgt Ion:180 Resp: 99112

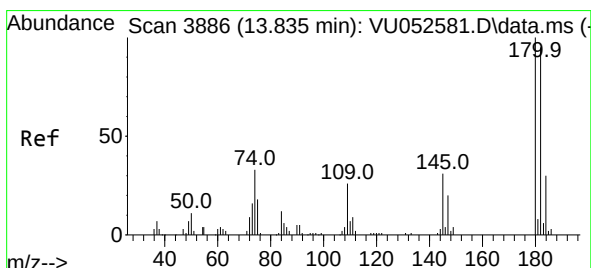
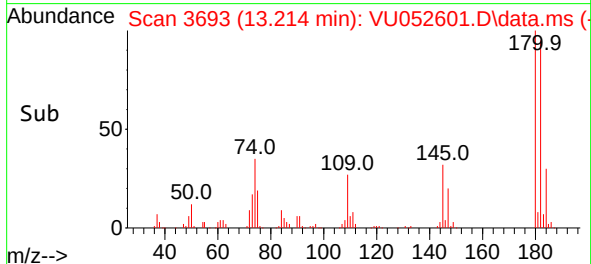
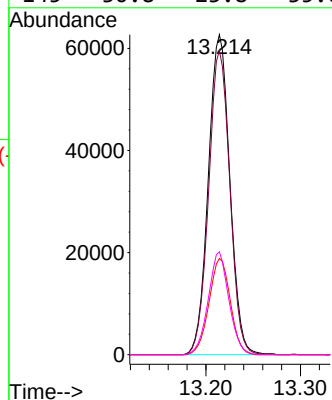
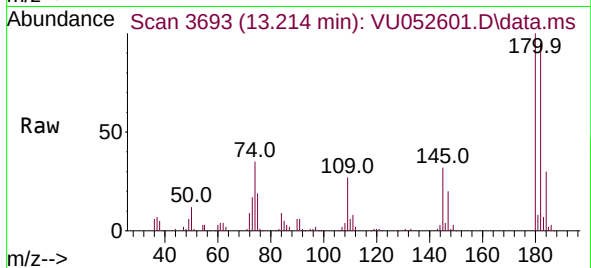
Ion Ratio Lower Upper

180 100

182 93.4 75.8 113.8

184 29.8 23.4 35.0

145 30.8 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.689 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

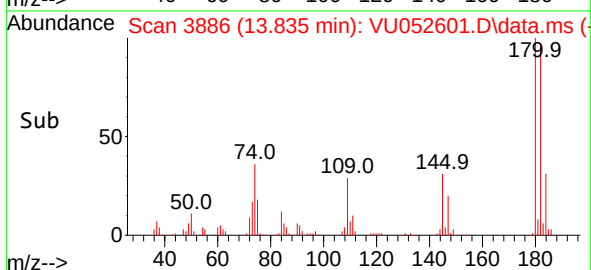
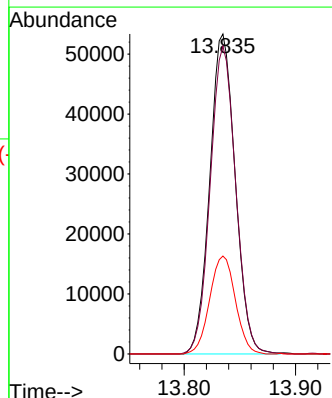
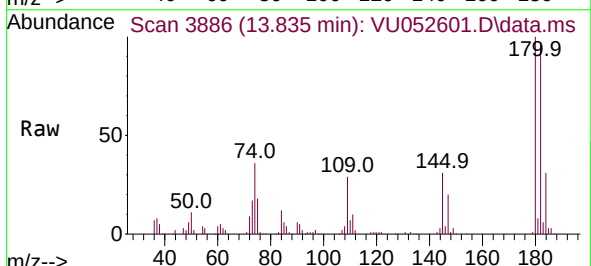
Tgt Ion:180 Resp: 84609

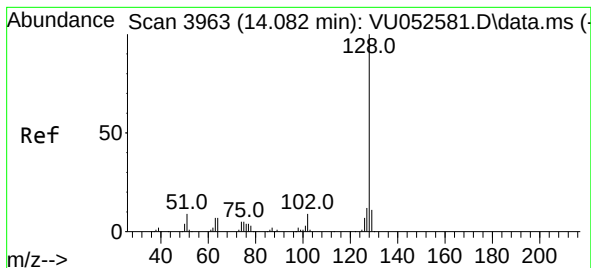
Ion Ratio Lower Upper

180 100

182 96.3 77.7 116.5

145 30.9 24.0 36.0





#71

Naphthalene

Concen: 4.679 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005121

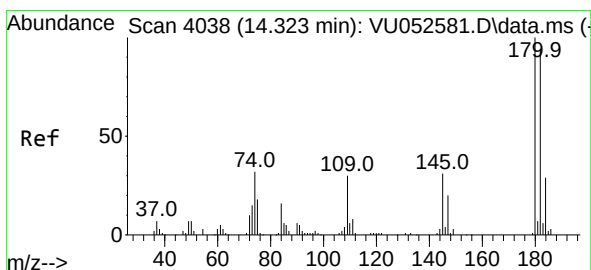
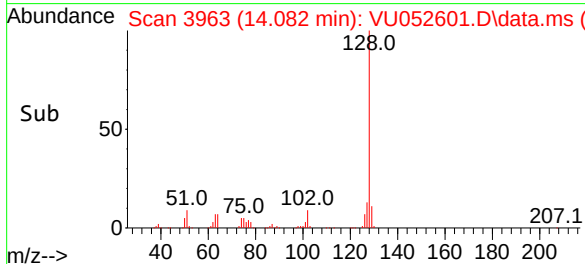
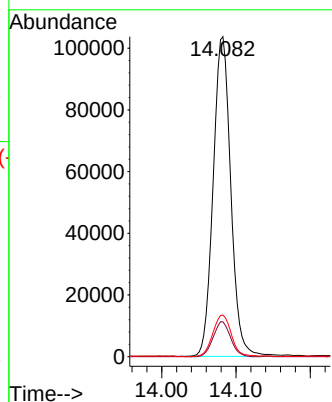
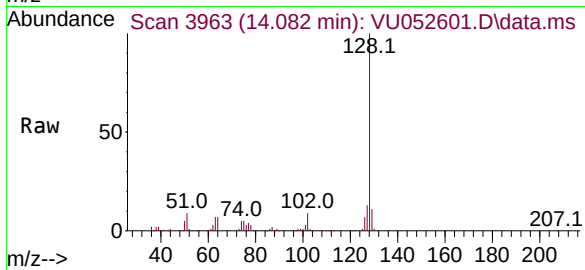
Tgt Ion:128 Resp: 170843

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.8 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.750 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU052601.D

Acq: 28 Dec 2022 20:37

Tgt Ion:180 Resp: 85915

Ion Ratio Lower Upper

180 100

182 95.7 76.3 114.5

145 32.6 25.8 38.8

