

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053875.D
 Acq On : 25 Apr 2023 10:38
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005160

Quant Time: Apr 26 05:06:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 06:22:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	142325	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	134337	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	72072	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	40649	4.689	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.800%
7) Chloroethane-d5	1.916	69	34674	4.766	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.565	65	17109	4.796	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.000%
20) 2-Butanone-d5	4.632	46	74805	47.113	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.220%
24) Chloroform-d	5.060	84	79850	4.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.700	65	34470	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.726	84	154217	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.687	67	46876	4.896	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.896	98	144802	4.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	8.179	79	17540	4.658	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.632	63	60055	45.069	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.140%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	34088	4.406	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	52050	4.503	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52867	5.007	ug/L	96
3) Chloromethane	1.520	50	53518	5.220	ug/L	99
5) Vinyl chloride	1.604	62	61697	5.215	ug/L	95
6) Bromomethane	1.861	94	38891	5.052	ug/L	90
8) Chloroethane	1.935	64	38419	5.203	ug/L	95
9) Trichlorofluoromethane	2.137	101	88810	5.085	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	53408	5.262	ug/L	98
12) 1,1-Dichloroethene	2.581	96	45791	5.115	ug/L	93
13) Acetone	2.642	43	64190	49.853	ug/L	98
14) Carbon disulfide	2.793	76	117605	4.794	ug/L	100
15) Methyl Acetate	2.954	43	13839	4.980	ug/L	99
16) Methylene chloride	3.044	84	56977	4.664	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	99152	5.113	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	46300	5.118	ug/L	95
19) 1,1-Dichloroethane	3.867	63	86304	5.272	ug/L	97
21) 2-Butanone	4.706	43	90750	50.916	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	53389	5.232	ug/L	95
23) Bromochloromethane	4.973	128	23730	5.225	ug/L	96
25) Chloroform	5.083	83	95068	5.347	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053875.D
 Acq On : 25 Apr 2023 10:38
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

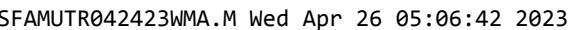
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005160

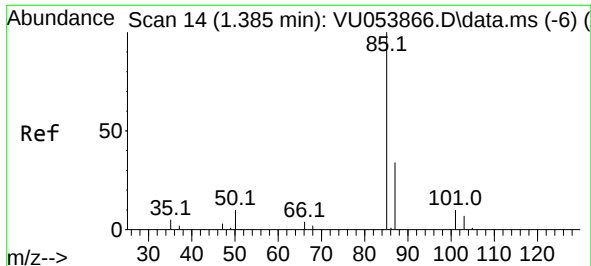
Quant Time: Apr 26 05:06:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 06:22:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	53909	5.289	ug/L	95
29) 1,1,1-Trichloroethane	5.311	97	80863	5.355	ug/L	98
30) Cyclohexane	5.385	56	69022	5.087	ug/L	100
31) Carbon tetrachloride	5.520	117	69852	5.321	ug/L	95
33) Benzene	5.771	78	200321	5.290	ug/L	100
34) Trichloroethene	6.539	95	55863	5.414	ug/L	98
35) Methylcyclohexane	6.761	83	82260	5.161	ug/L	100
37) 1,2-Dichloropropane	6.787	63	52544	5.593	ug/L #	97
38) Bromodichloromethane	7.102	83	60539	5.155	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	73643	5.198	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	214326	50.574	ug/L	99
42) Toluene	7.967	91	212686	5.297	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	59430	5.187	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	36903	5.241	ug/L	97
47) Tetrachloroethene	8.549	164	43283	5.292	ug/L	98
48) 2-Hexanone	8.681	43	159699	49.579	ug/L	99
49) Dibromochloromethane	8.806	129	38982	5.228	ug/L	98
50) 1,2-Dibromoethane	8.922	107	35391	5.433	ug/L #	96
51) Chlorobenzene	9.446	112	139557	5.119	ug/L	99
52) Ethylbenzene	9.568	91	231750	5.256	ug/L	98
53) m,p-Xylene	9.690	106	91466	5.413	ug/L	95
54) o-Xylene	10.098	106	86460	5.303	ug/L	94
55) Styrene	10.111	104	144141	5.404	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	41894	4.990	ug/L	98
59) Bromoform	10.288	173	20203	4.930	ug/L	99
60) Isopropylbenzene	10.481	105	233480	5.387	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	29160	5.247	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	189316	5.374	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	191780	5.380	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	112927	5.214	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	110789	5.063	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	101332	5.066	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	5618	4.905	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	79156	5.104	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	62042	4.395	ug/L	97
71) Naphthalene	14.082	128	96512	3.868	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	53164	4.221	ug/L	98

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

Quant Time: Apr 26 05:06:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 25 06:22:49 2023
Response via : Initial Calibration

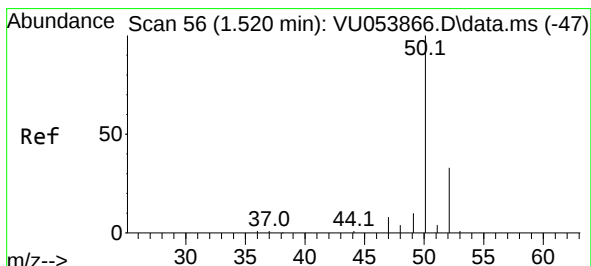
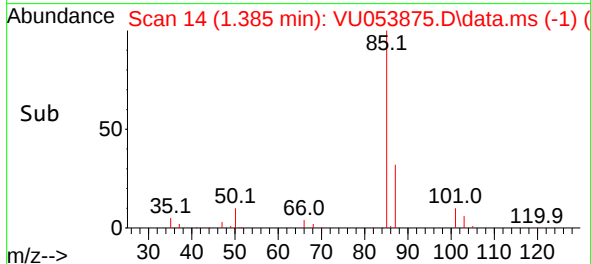
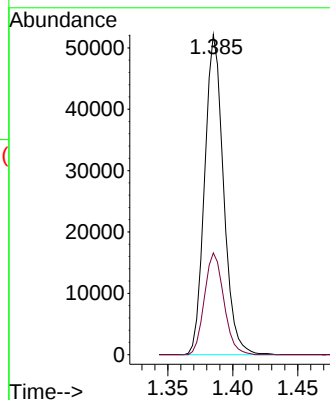
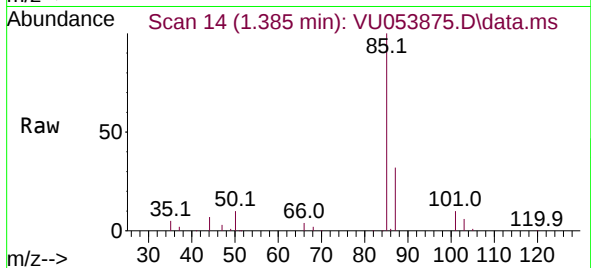




#2
Dichlorodifluoromethane
Concen: 5.007 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

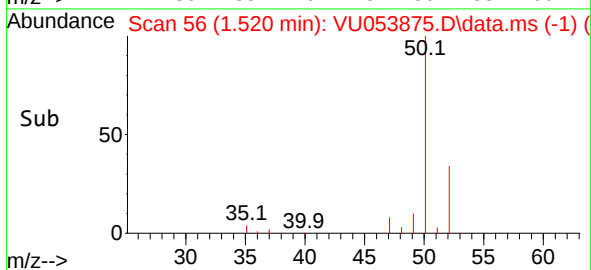
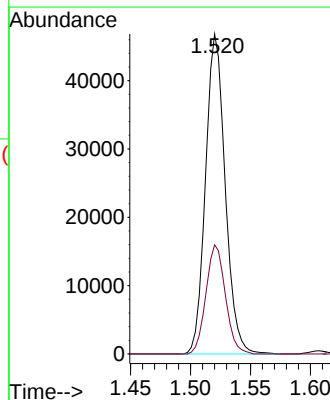
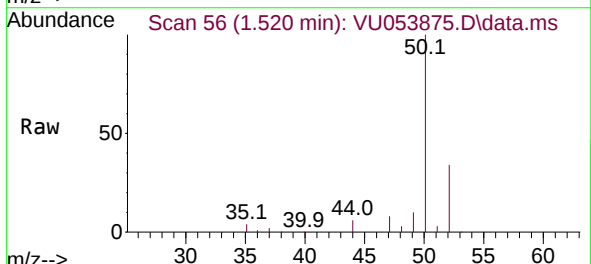
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

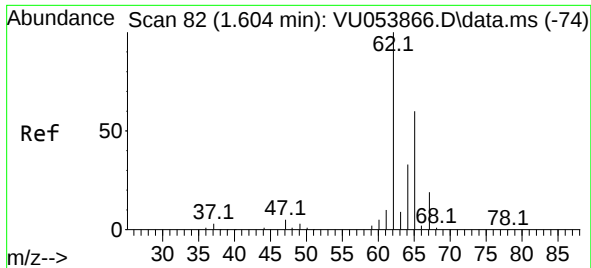
Tgt Ion: 85 Resp: 52867
Ion Ratio Lower Upper
85 100
87 32.6 24.5 36.7



#3
Chloromethane
Concen: 5.220 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 50 Resp: 53518
Ion Ratio Lower Upper
50 100
52 34.1 23.4 43.6

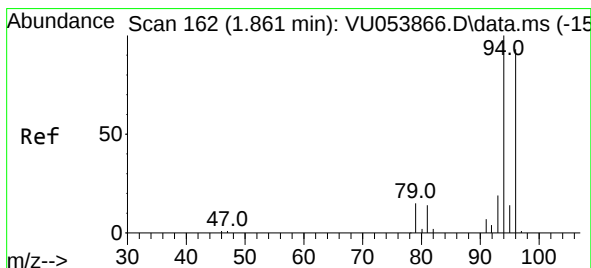
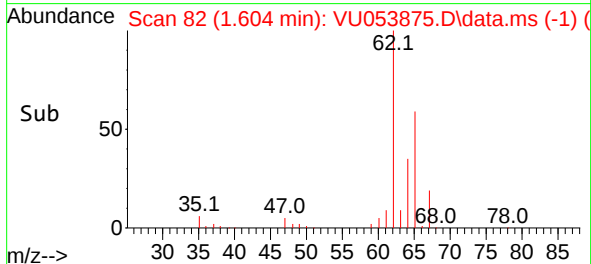
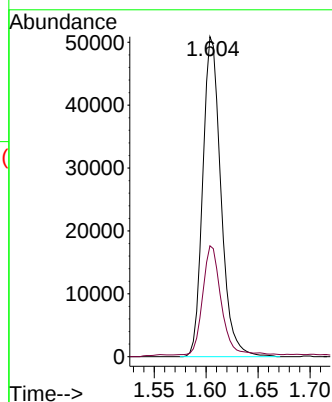
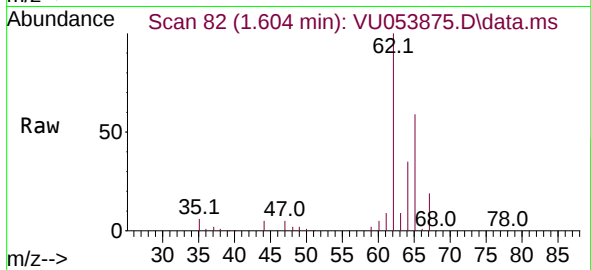




#5
 Vinyl chloride
 Concen: 5.215 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

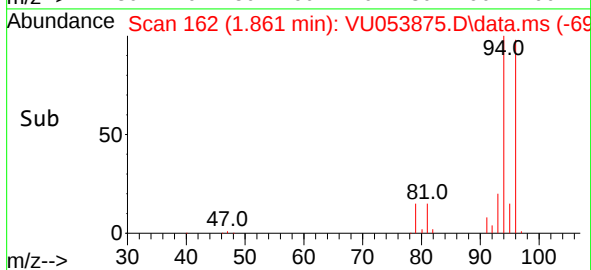
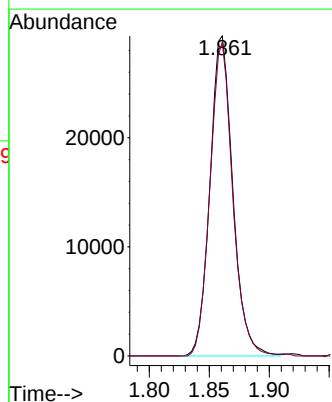
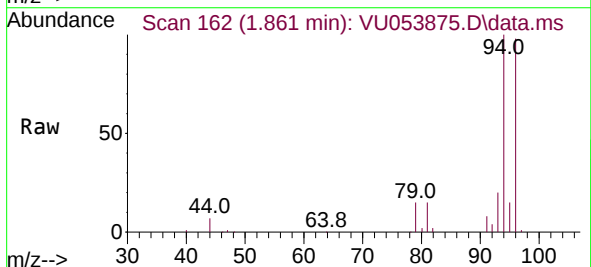
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005160

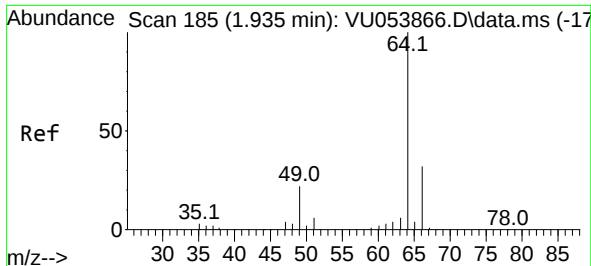
Tgt Ion: 62 Resp: 61697
 Ion Ratio Lower Upper
 62 100
 64 34.7 22.4 41.6



#6
 Bromomethane
 Concen: 5.052 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.000 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

Tgt Ion: 94 Resp: 38891
 Ion Ratio Lower Upper
 94 100
 96 98.0 61.9 114.9

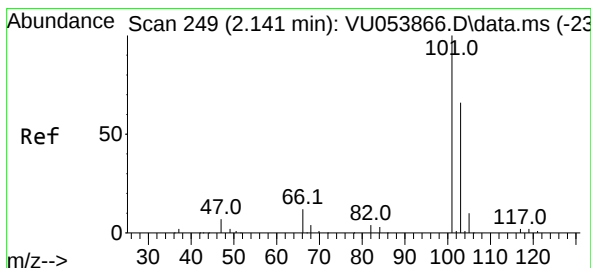
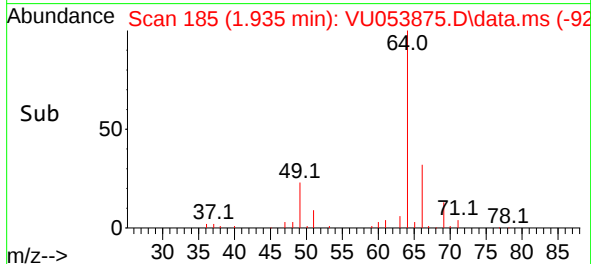
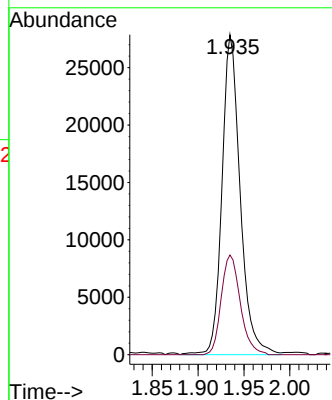
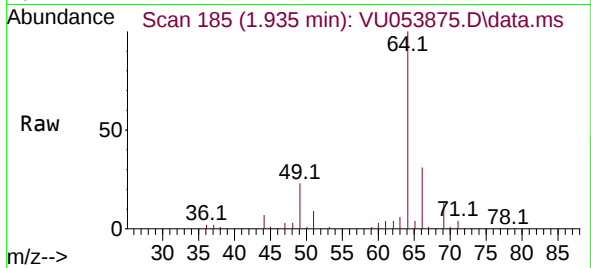




#8
Chloroethane
Concen: 5.203 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

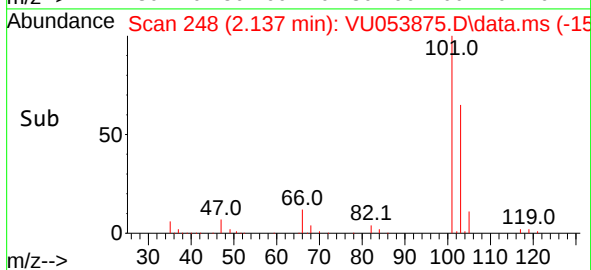
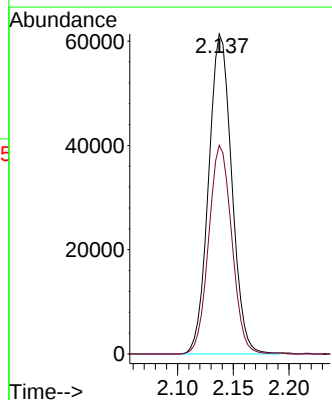
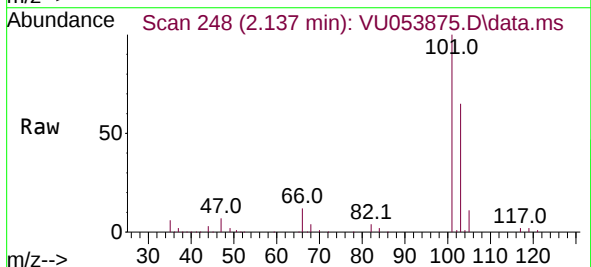
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

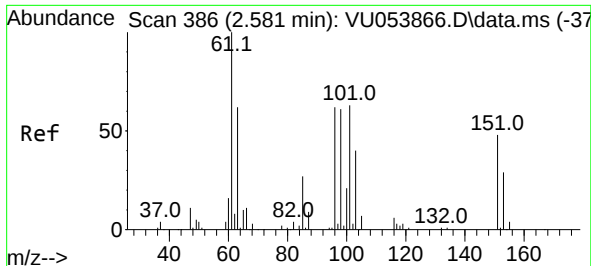
Tgt Ion: 64 Resp: 38419
Ion Ratio Lower Upper
64 100
66 31.2 23.8 44.2



#9
Trichlorofluoromethane
Concen: 5.085 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:101 Resp: 88810
Ion Ratio Lower Upper
101 100
103 65.1 52.6 78.8

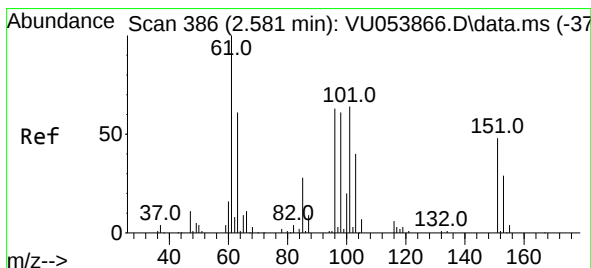
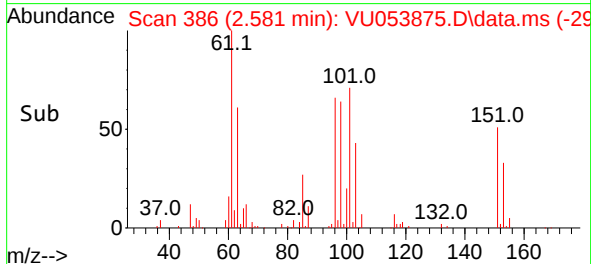
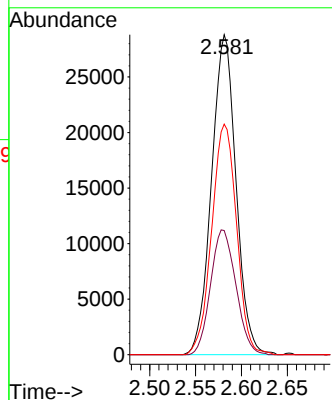
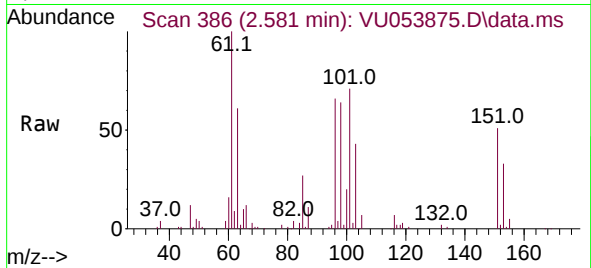




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.262 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

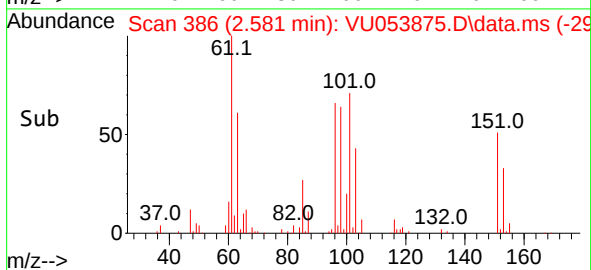
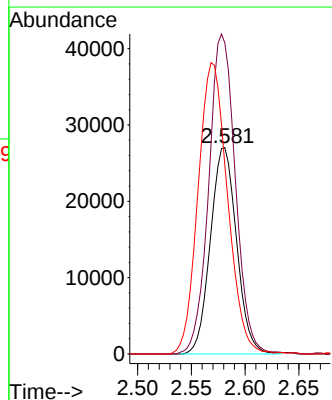
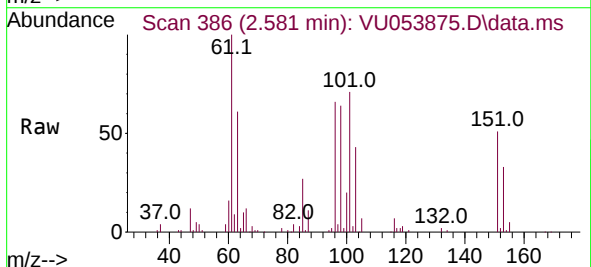
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005160

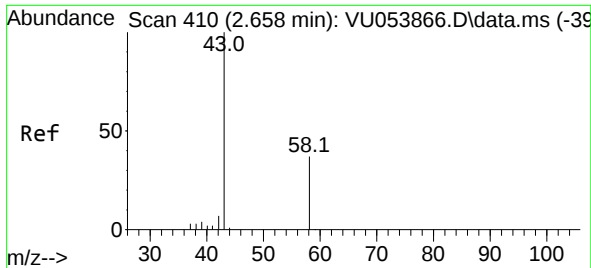
Tgt Ion:101 Resp: 53408
 Ion Ratio Lower Upper
 101 100
 85 40.4 34.7 52.1
 151 73.2 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 5.115 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

Tgt Ion: 96 Resp: 45791
 Ion Ratio Lower Upper
 96 100
 61 150.7 111.5 207.1
 63 91.4 68.7 127.7





#13

Acetone

Concen: 49.853 ug/L

RT: 2.642 min Scan# 410

Delta R.T. -0.016 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

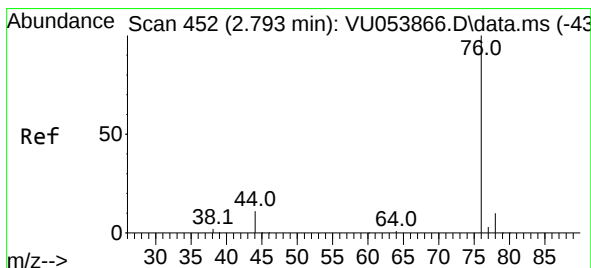
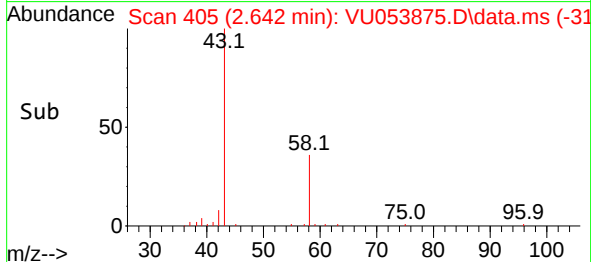
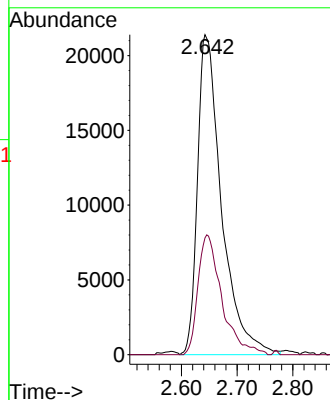
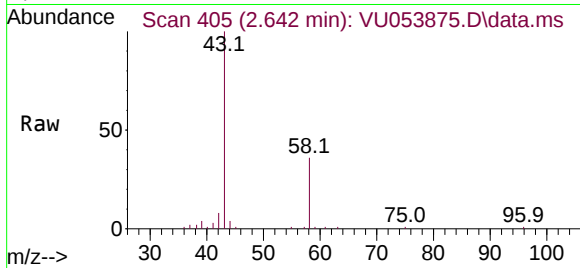
VSTD005160

Tgt Ion: 43 Resp: 64190

Ion Ratio Lower Upper

43 100

58 37.1 0.0 76.2



#14

Carbon disulfide

Concen: 4.794 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU053875.D

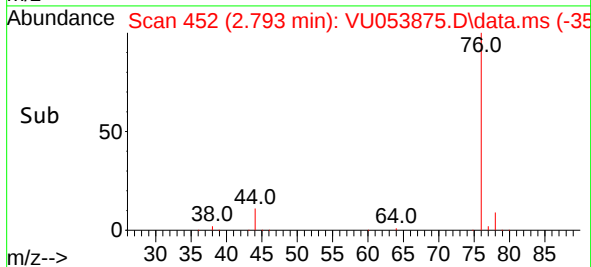
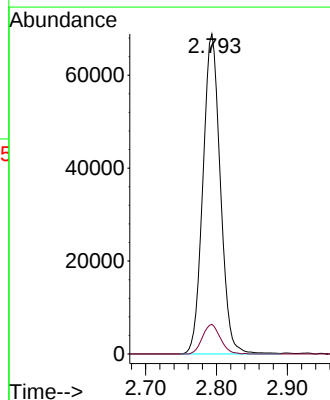
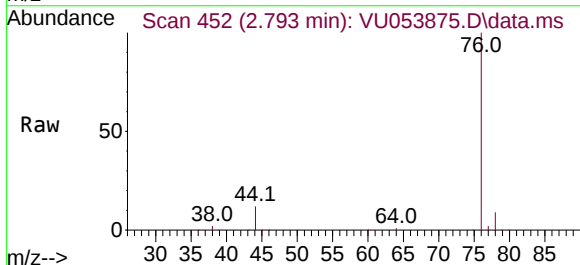
Acq: 25 Apr 2023 10:38

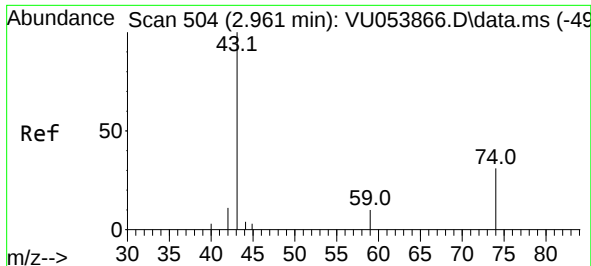
Tgt Ion: 76 Resp: 117605

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

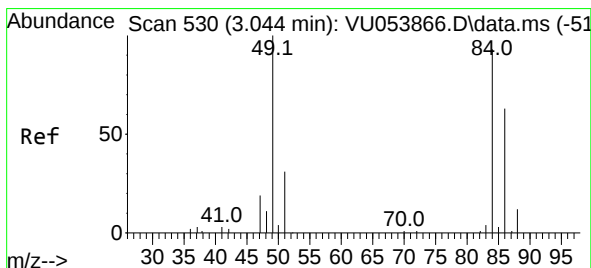
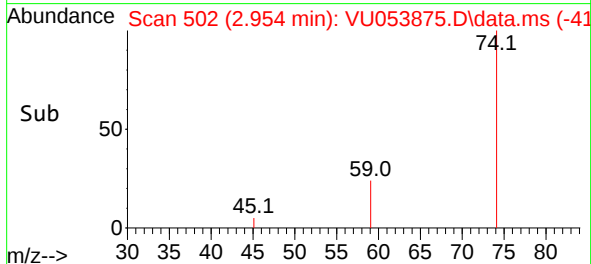
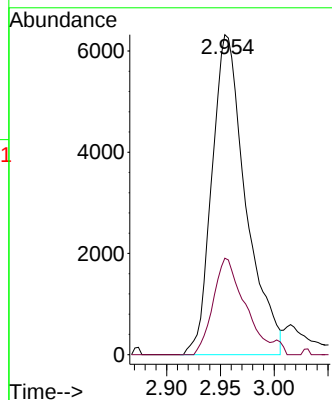
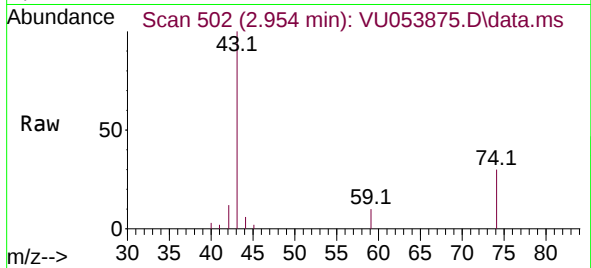




#15
Methyl Acetate
Concen: 4.980 ug/L
RT: 2.954 min Scan# 504
Delta R.T. -0.007 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

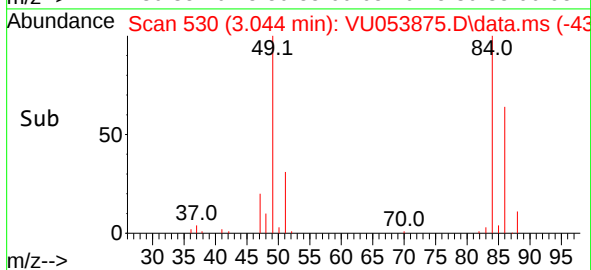
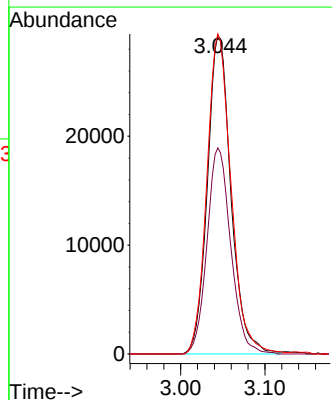
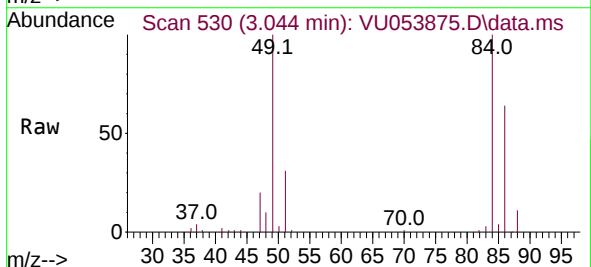
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

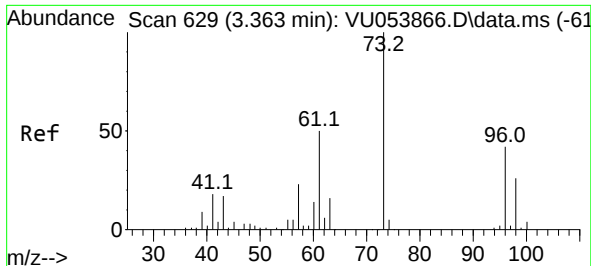
Tgt Ion: 43 Resp: 13839
Ion Ratio Lower Upper
43 100
74 27.9 22.0 33.0



#16
Methylene chloride
Concen: 4.664 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 84 Resp: 56977
Ion Ratio Lower Upper
84 100
86 64.7 45.0 83.6
49 100.4 74.8 138.8

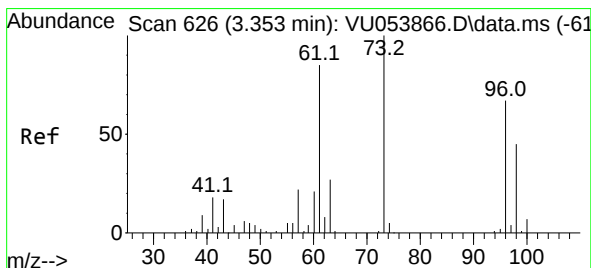
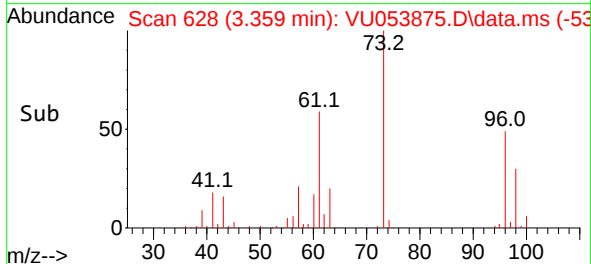
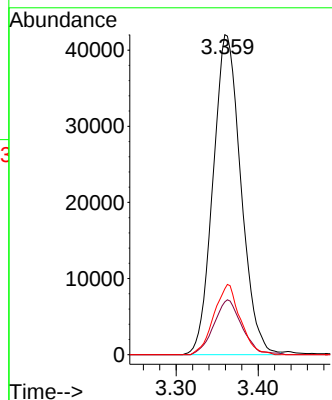
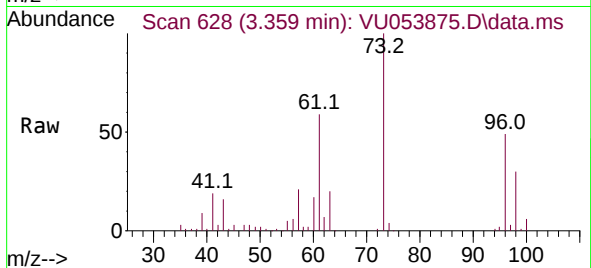




#17
Methyl tert-butyl Ether
Concen: 5.113 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

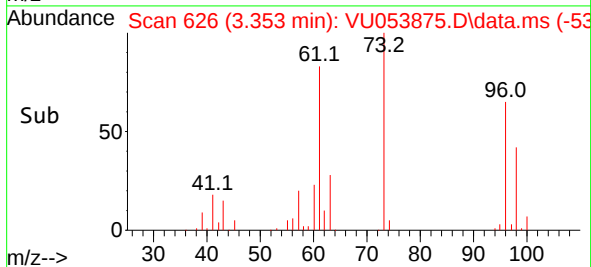
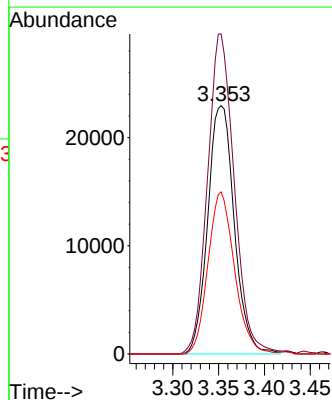
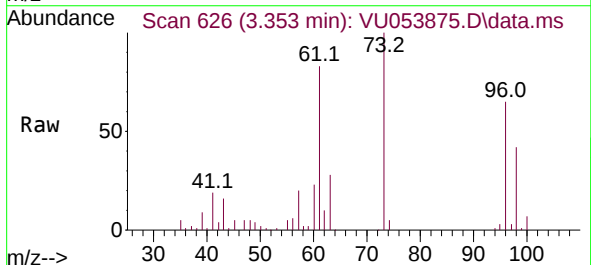
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

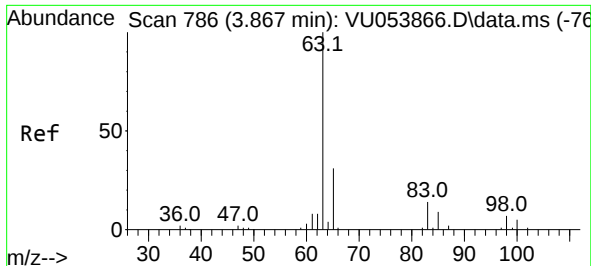
Tgt Ion: 73 Resp: 99152
Ion Ratio Lower Upper
73 100
43 17.3 13.4 20.2
57 20.7 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 5.118 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 96 Resp: 46300
Ion Ratio Lower Upper
96 100
61 128.9 86.2 160.0
98 65.3 42.8 79.4

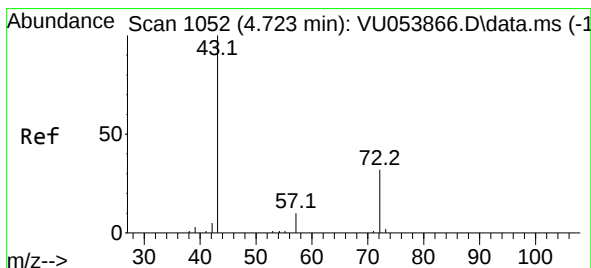
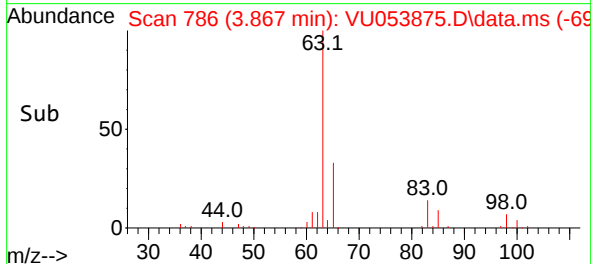
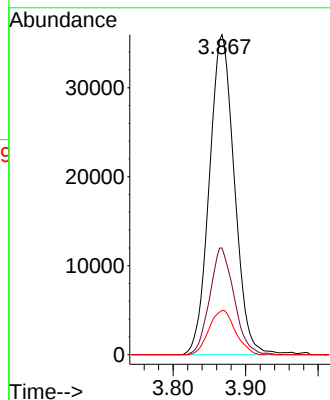
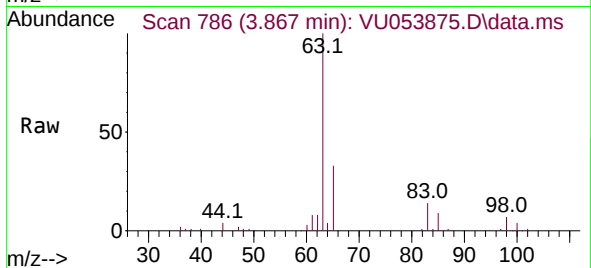




#19
1,1-Dichloroethane
Concen: 5.272 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

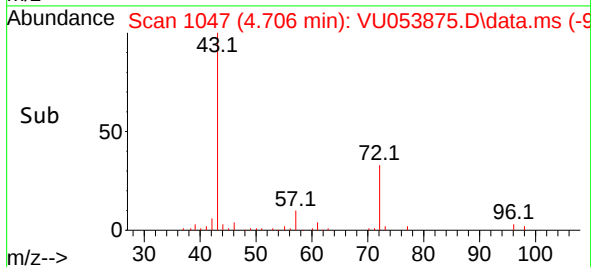
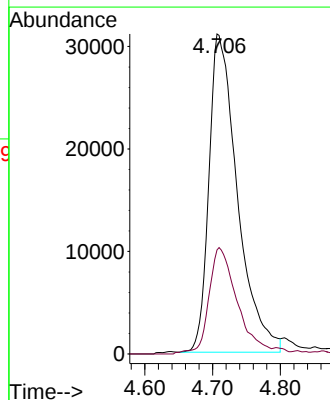
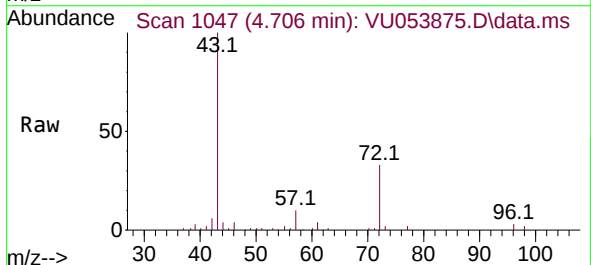
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

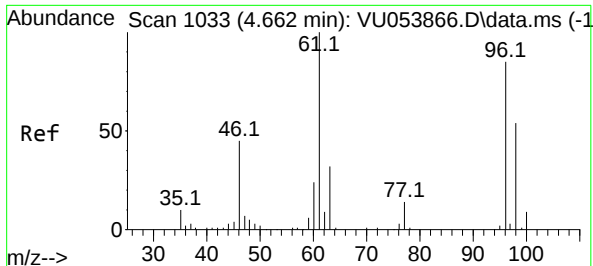
Tgt Ion:	63	Resp:	86304
Ion	Ratio	Lower	Upper
63	100		
65	33.4	22.0	40.8
83	13.8	10.3	19.1



#21
2-Butanone
Concen: 50.916 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. -0.016 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:	43	Resp:	90750
Ion	Ratio	Lower	Upper
43	100		
72	32.9	15.7	47.0

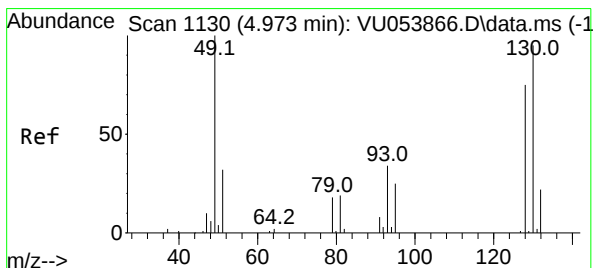
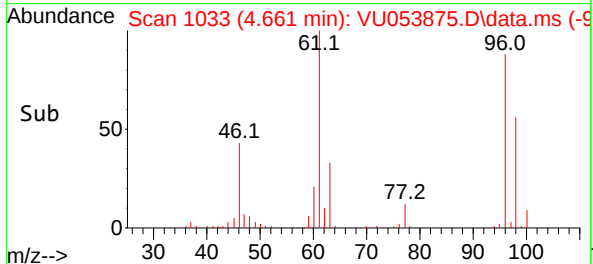
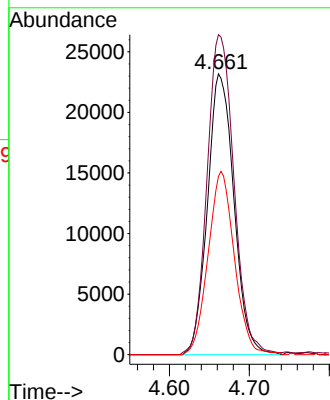
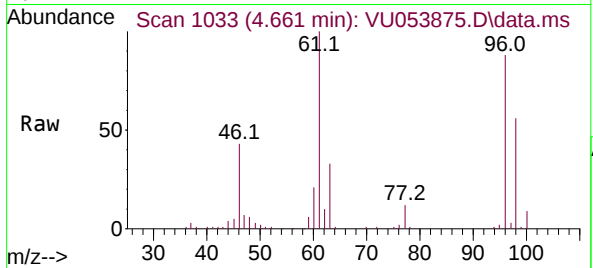




#22
cis-1,2-Dichloroethene
Concen: 5.232 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

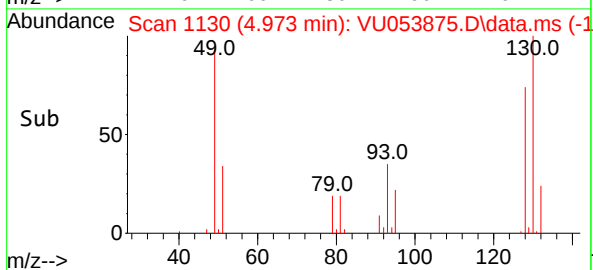
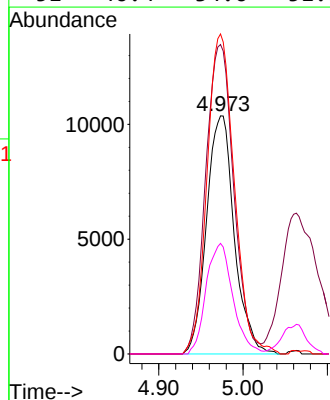
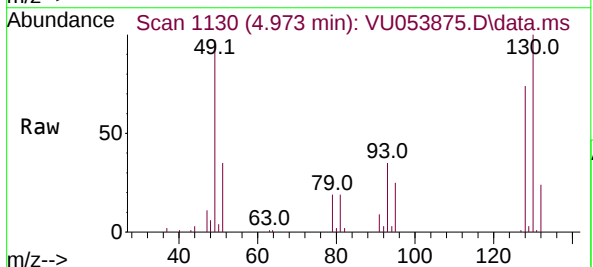
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

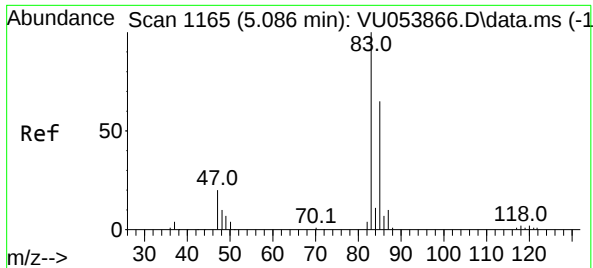
Tgt Ion: 96 Resp: 53389
Ion Ratio Lower Upper
96 100
61 114.0 84.3 156.5
98 63.5 46.4 86.2



#23
Bromochloromethane
Concen: 5.225 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:128 Resp: 23730
Ion Ratio Lower Upper
128 100
49 130.0 91.3 169.5
130 134.4 87.6 162.8
51 46.4 34.6 51.8





#25

Chloroform

Concen: 5.347 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

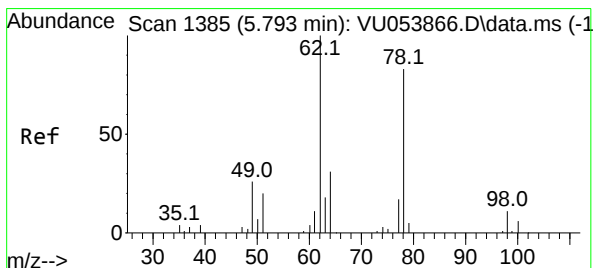
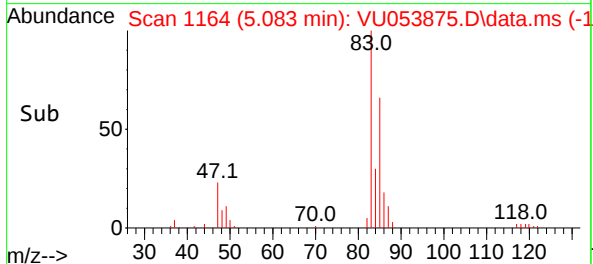
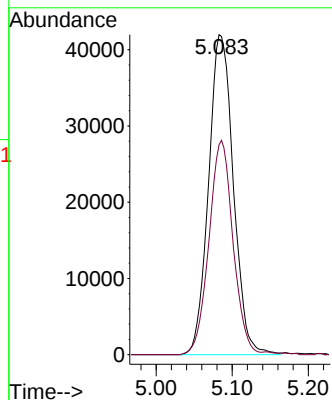
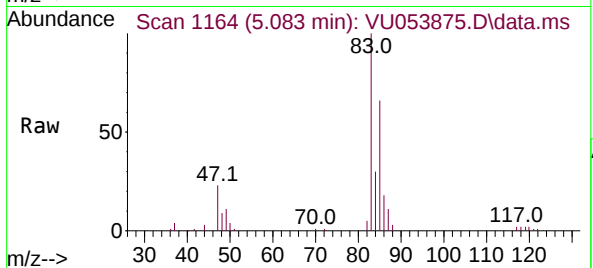
VSTD005160

Tgt Ion: 83 Resp: 95068

Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.289 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU053875.D

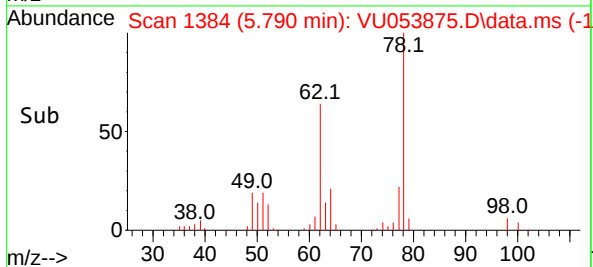
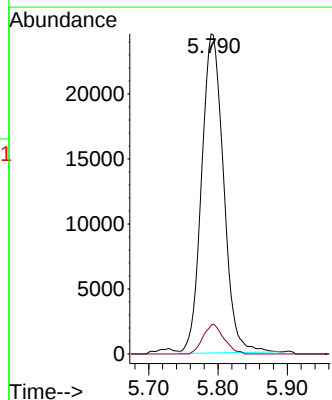
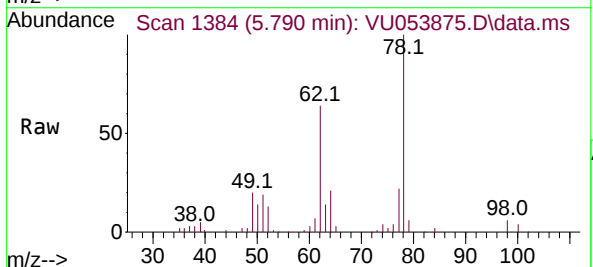
Acq: 25 Apr 2023 10:38

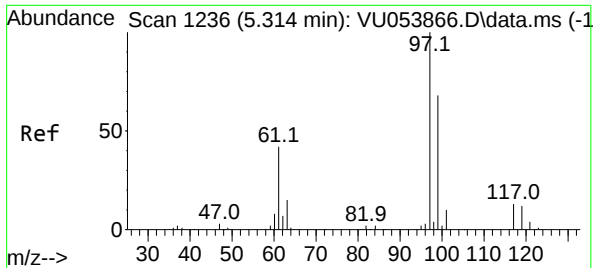
Tgt Ion: 62 Resp: 53909

Ion Ratio Lower Upper

62 100

98 8.9 8.7 13.1

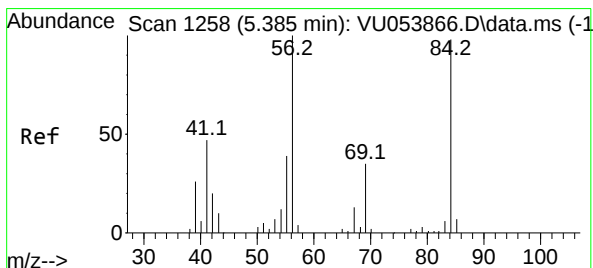
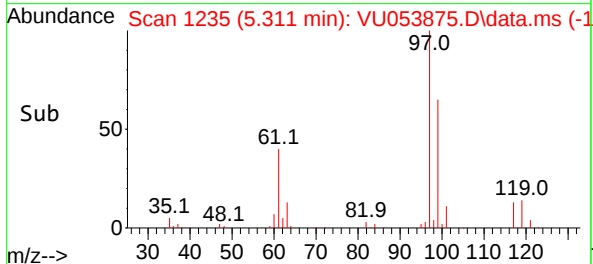
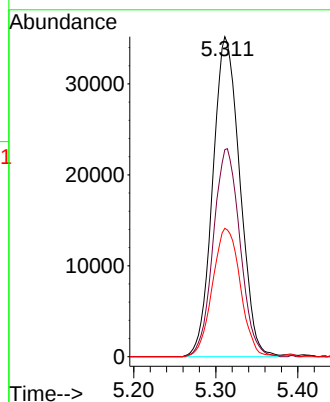
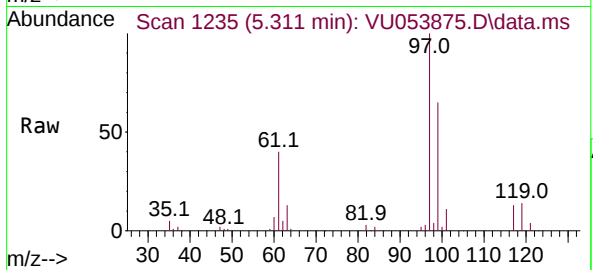




#29
1,1,1-Trichloroethane
Concen: 5.355 ug/L
RT: 5.311 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

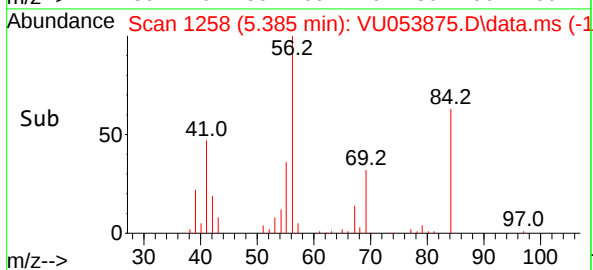
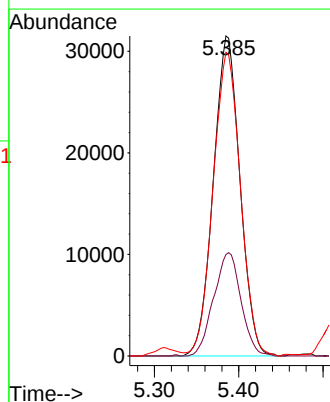
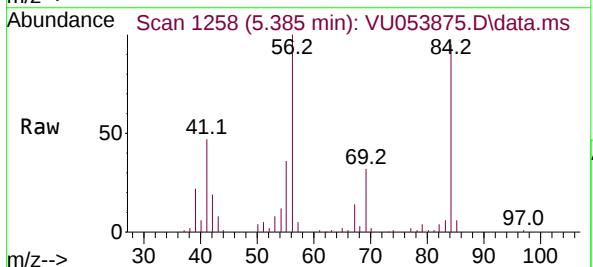
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

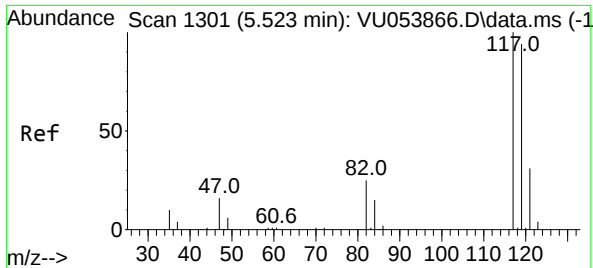
Tgt Ion: 97	Resp: 80863
Ion Ratio	Lower Upper
97 100	
99 64.5	52.9 79.3
61 41.3	33.8 50.8



#30
Cyclohexane
Concen: 5.087 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 56	Resp: 69022
Ion Ratio	Lower Upper
56 100	
69 33.2	27.0 40.4
84 97.6	78.0 117.0

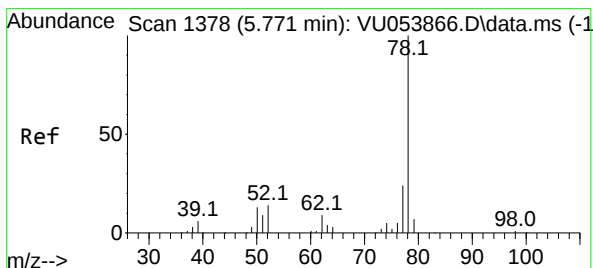
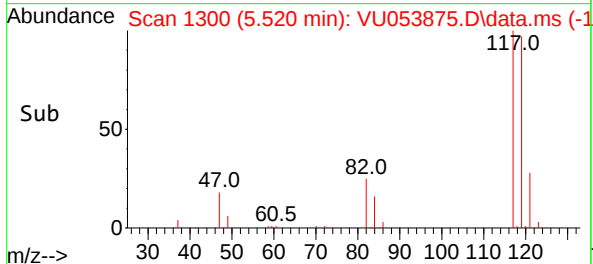
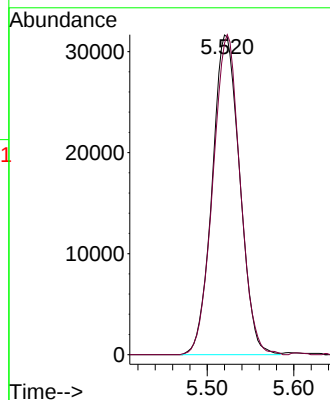
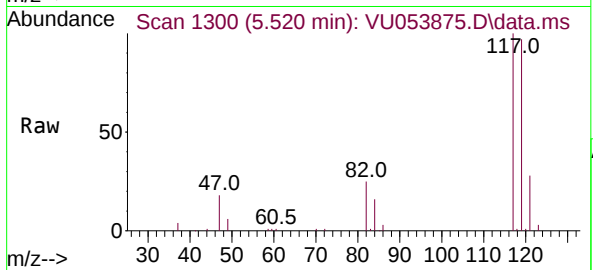




#31
Carbon tetrachloride
Concen: 5.321 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

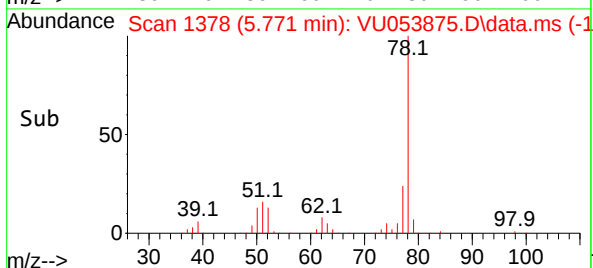
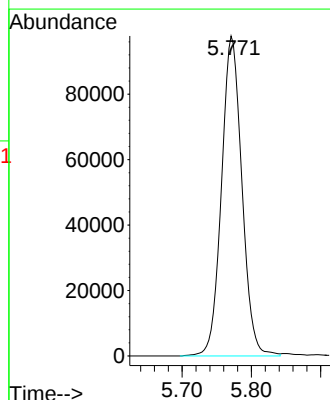
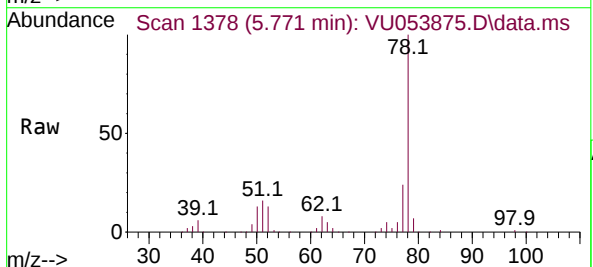
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

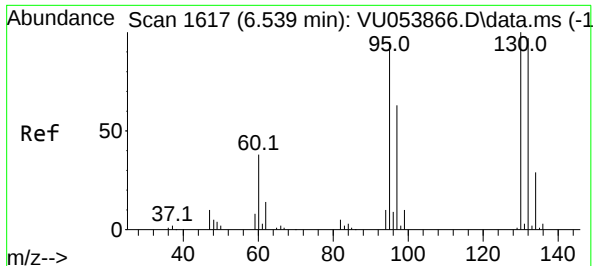
Tgt Ion:117 Resp: 69852
Ion Ratio Lower Upper
117 100
119 98.9 75.0 112.6



#33
Benzene
Concen: 5.290 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 78 Resp: 200321

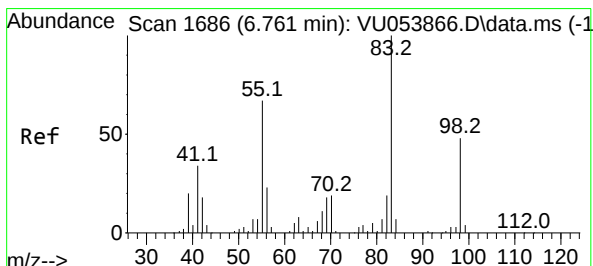
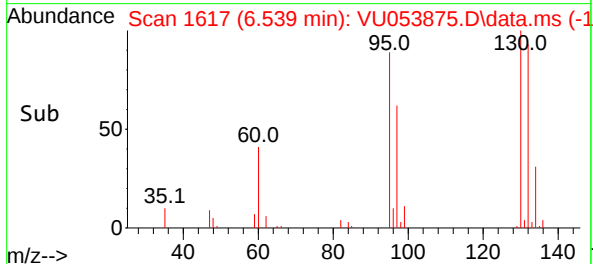
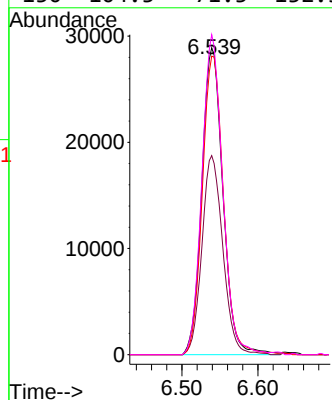
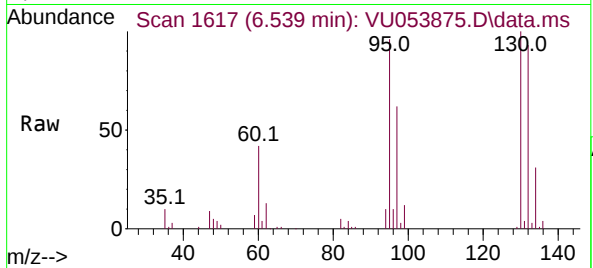




#34
Trichloroethene
Concen: 5.414 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

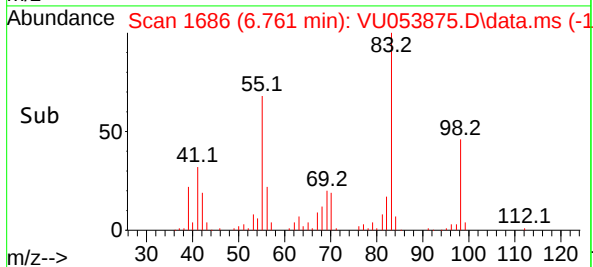
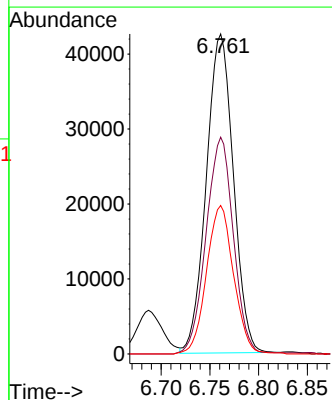
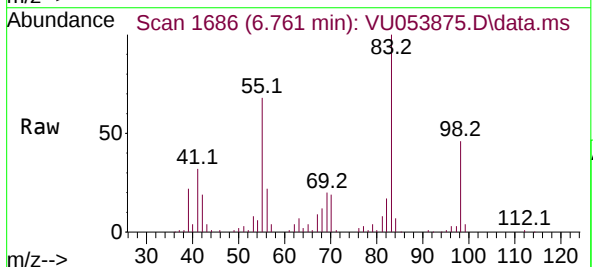
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

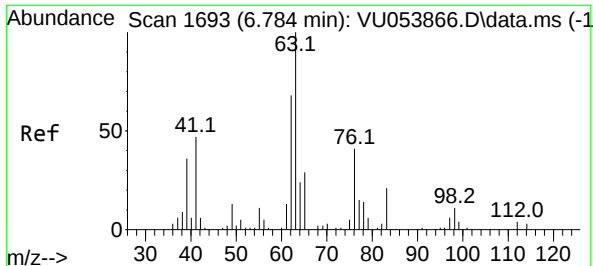
Tgt Ion: 95 Resp: 55863
Ion Ratio Lower Upper
95 100
97 64.9 45.1 83.9
132 97.3 69.9 129.9
130 104.3 71.3 132.3



#35
Methylcyclohexane
Concen: 5.161 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 83 Resp: 82260
Ion Ratio Lower Upper
83 100
55 68.7 55.4 83.2
98 46.6 37.3 55.9

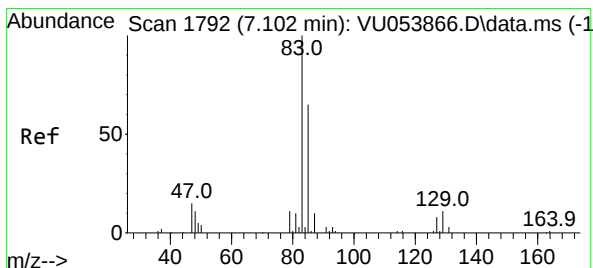
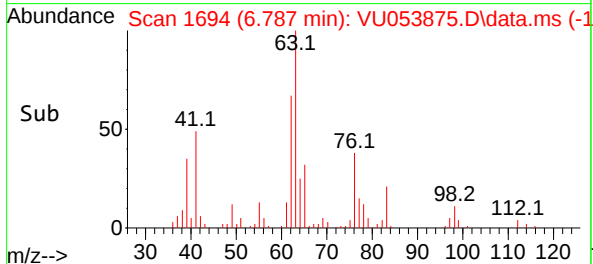
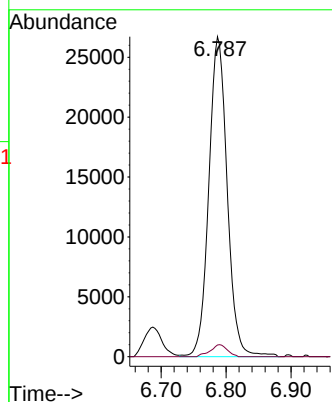
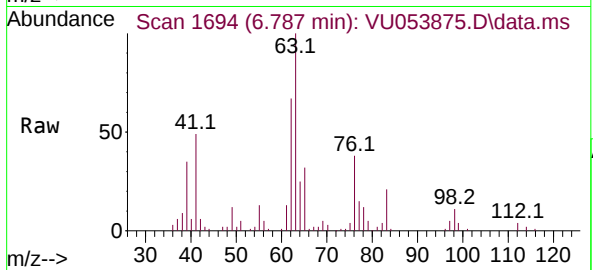




#37
1,2-Dichloropropane
Concen: 5.593 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

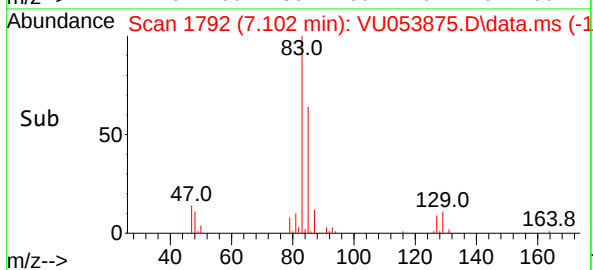
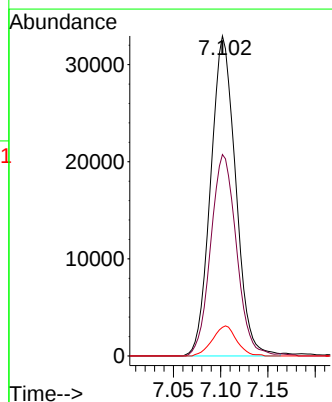
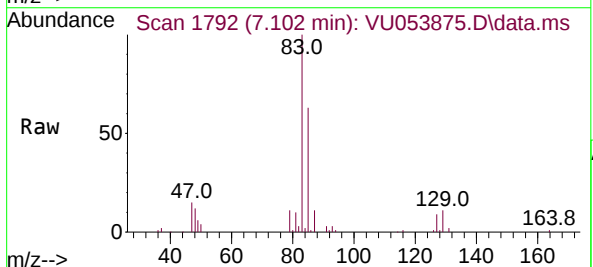
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

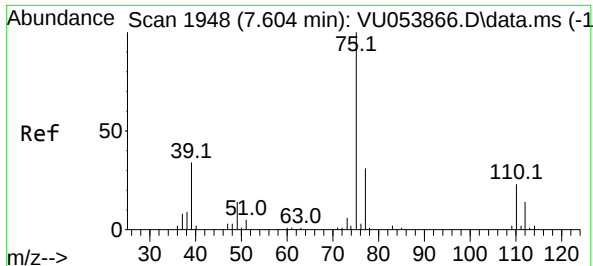
Tgt Ion: 63 Resp: 52544
Ion Ratio Lower Upper
63 100
112 3.5 3.5 5.3#



#38
Bromodichloromethane
Concen: 5.155 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 83 Resp: 60539
Ion Ratio Lower Upper
83 100
85 62.9 45.2 84.0
127 9.0 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.198 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

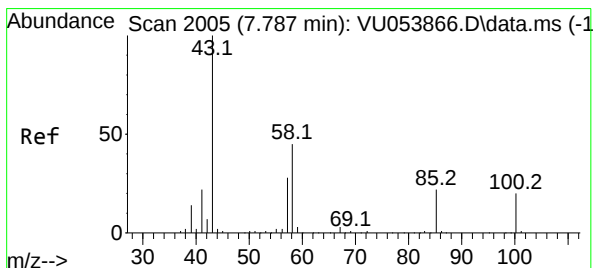
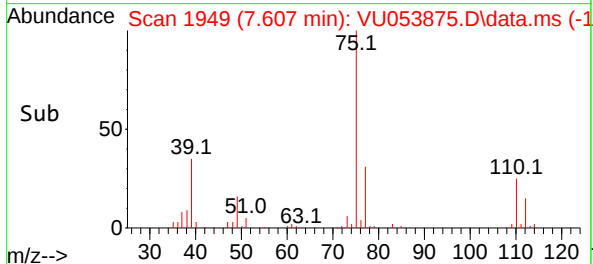
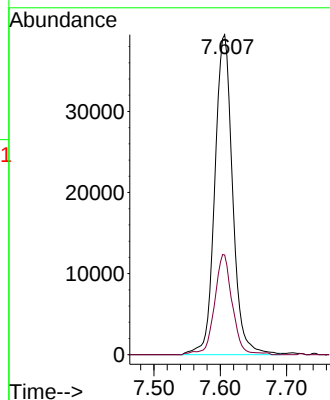
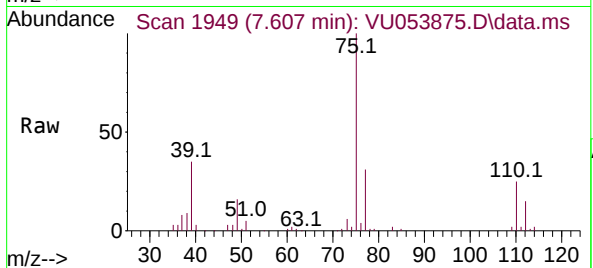
VSTD005160

Tgt Ion: 75 Resp: 73643

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 50.574 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

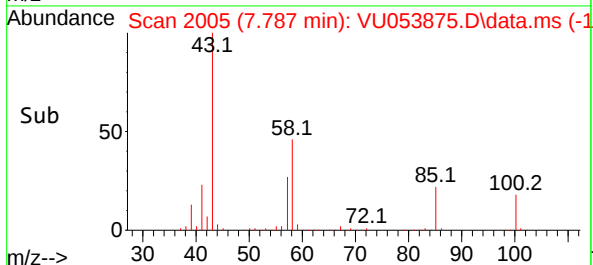
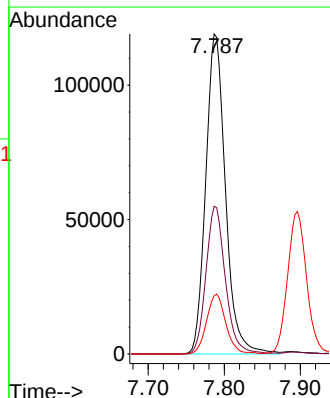
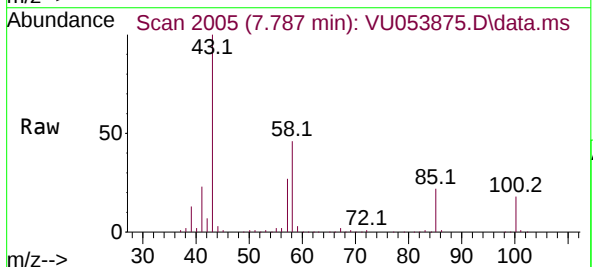
Tgt Ion: 43 Resp: 214326

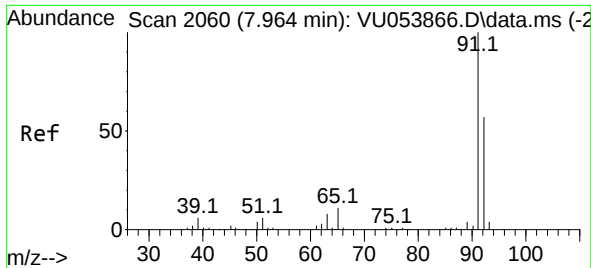
Ion Ratio Lower Upper

43 100

58 45.6 36.0 54.0

100 18.2 15.1 22.7





#42

Toluene

Concen: 5.297 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

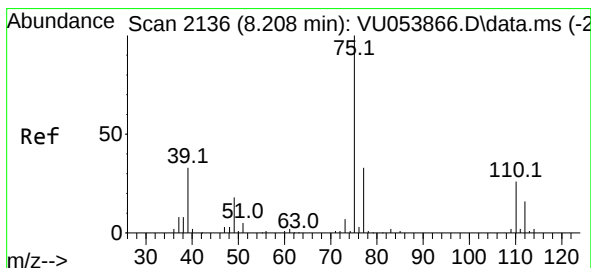
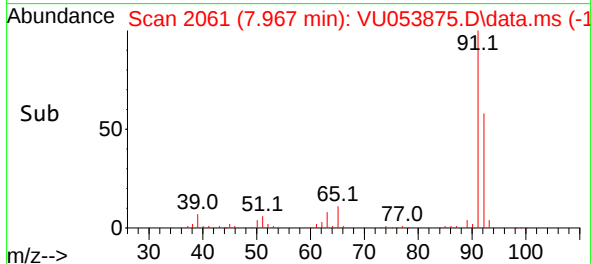
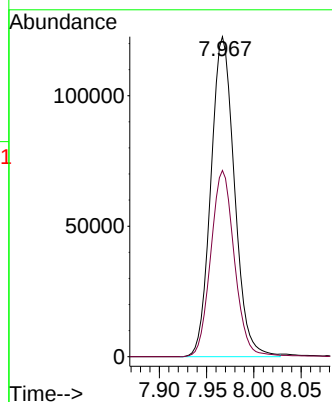
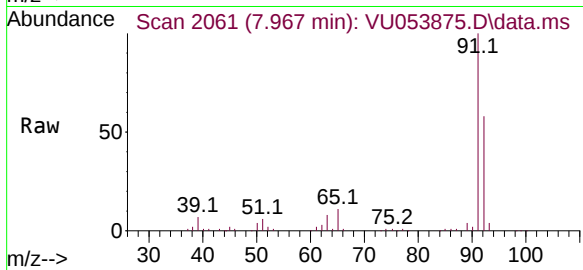
VSTD005160

Tgt Ion: 91 Resp: 212686

Ion Ratio Lower Upper

91 100

92 58.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.187 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU053875.D

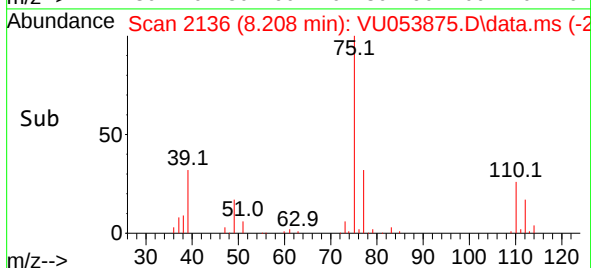
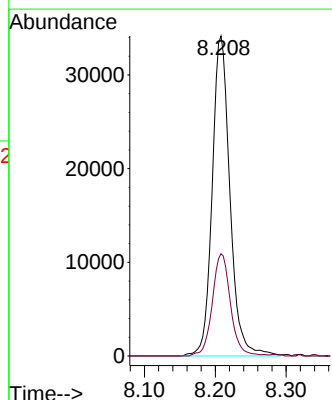
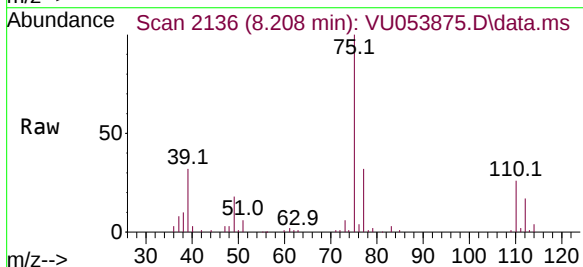
Acq: 25 Apr 2023 10:38

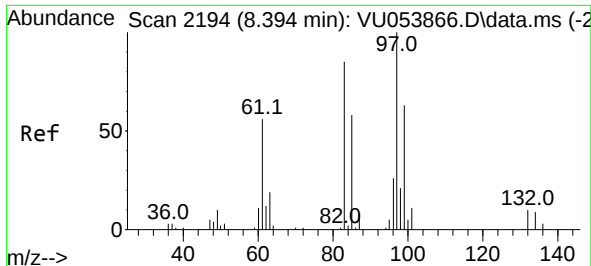
Tgt Ion: 75 Resp: 59430

Ion Ratio Lower Upper

75 100

77 32.0 23.3 43.3

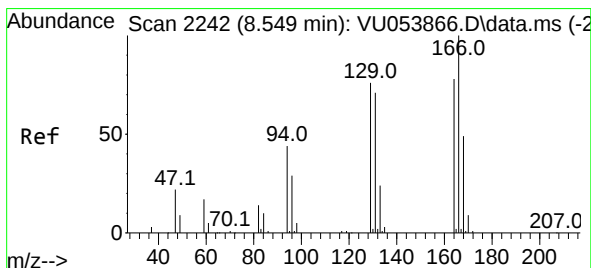
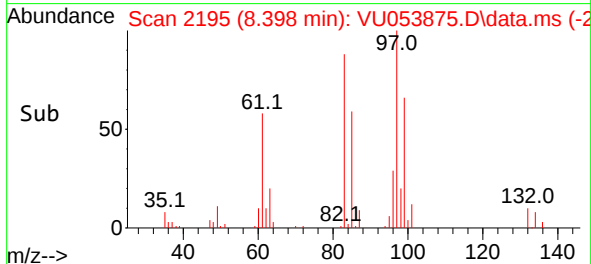
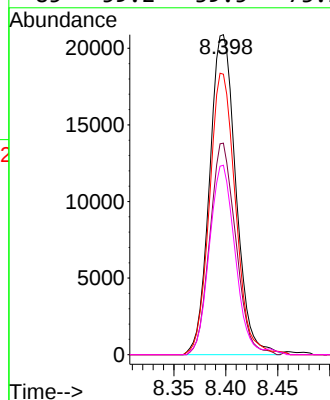
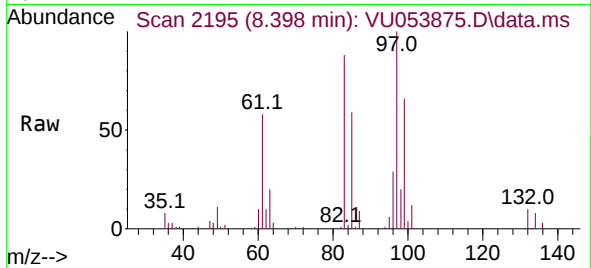




#45
1,1,2-Trichloroethane
Concen: 5.241 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

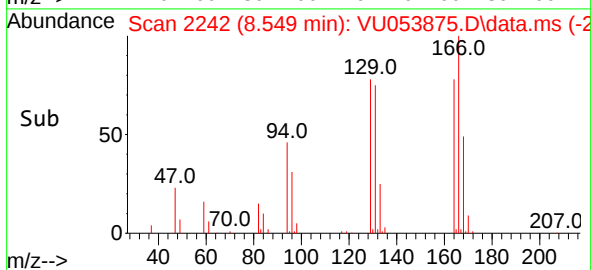
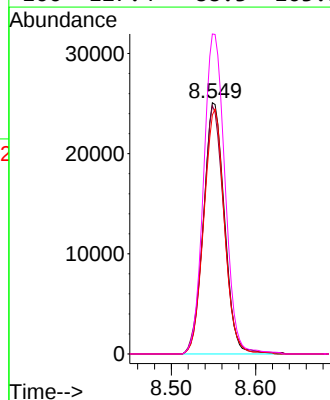
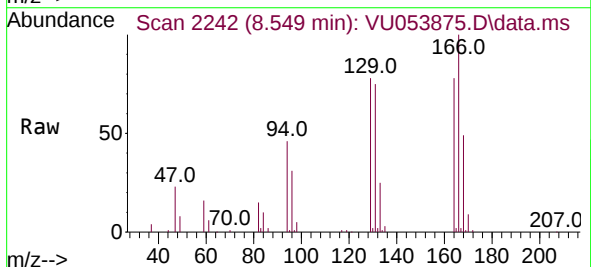
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

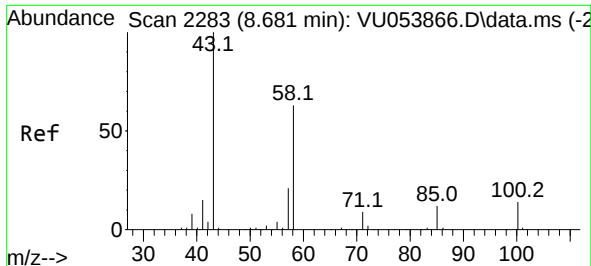
Tgt Ion:	97	Resp:	36903
Ion	Ratio	Lower	Upper
97	100		
99	66.1	44.7	83.1
83	87.7	59.8	111.1
85	59.2	39.5	73.3



#47
Tetrachloroethene
Concen: 5.292 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:	164	Resp:	43283
Ion	Ratio	Lower	Upper
164	100		
129	98.8	68.3	126.8
131	95.1	64.4	119.6
166	127.4	88.3	163.9

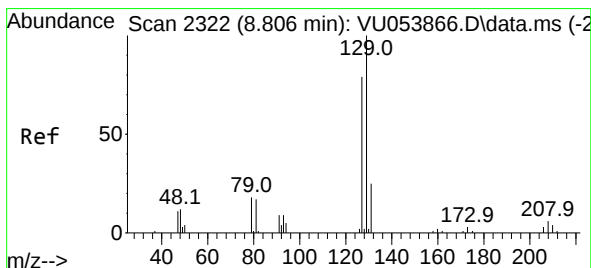
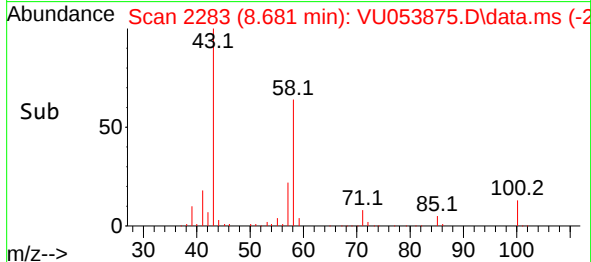
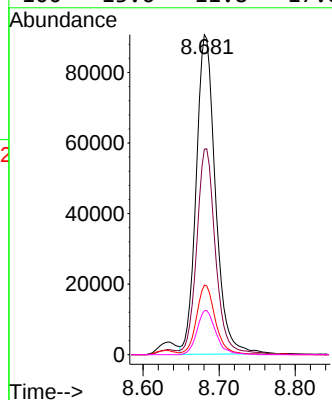
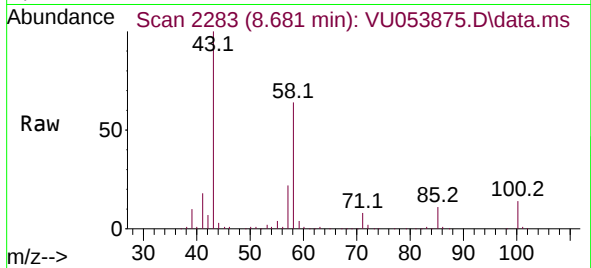




#48
2-Hexanone
Concen: 49.579 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

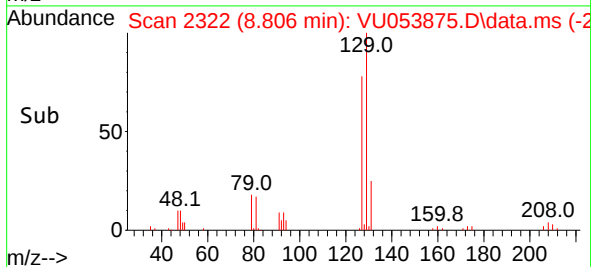
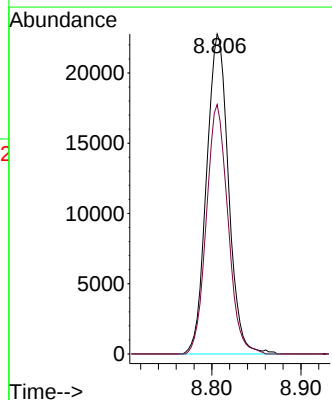
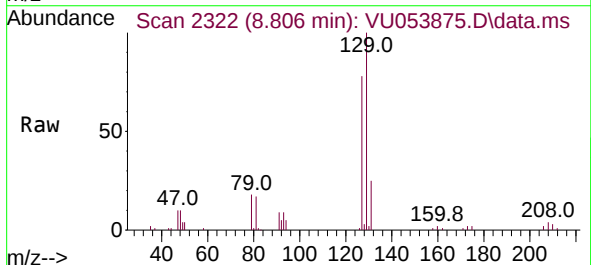
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

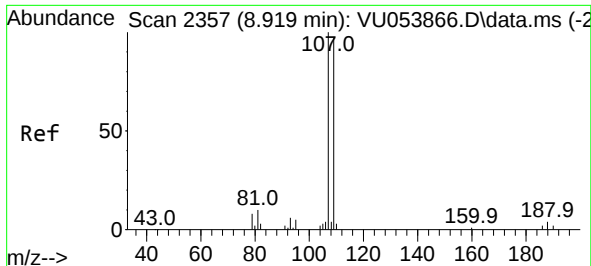
Tgt Ion:	43	Resp:	159699
Ion	Ratio	Lower	Upper
43	100		
58	62.8	49.8	74.6
57	20.9	16.9	25.3
100	13.6	11.8	17.8



#49
Dibromochloromethane
Concen: 5.228 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:	129	Resp:	38982
Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.7	103.5

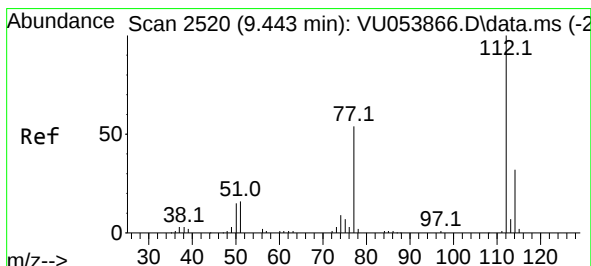
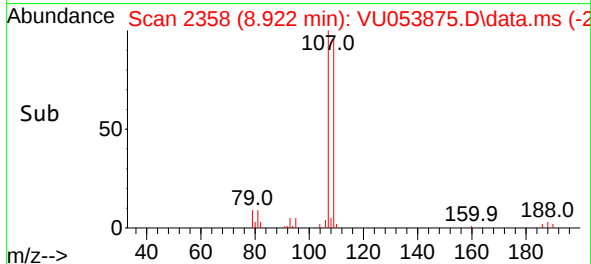
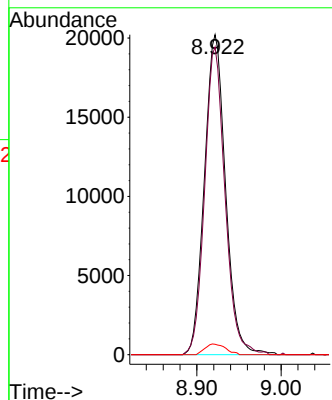
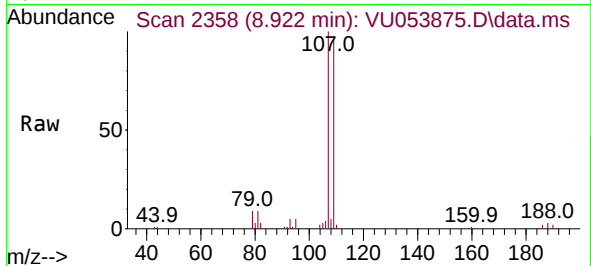




#50
1,2-Dibromoethane
Concen: 5.433 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

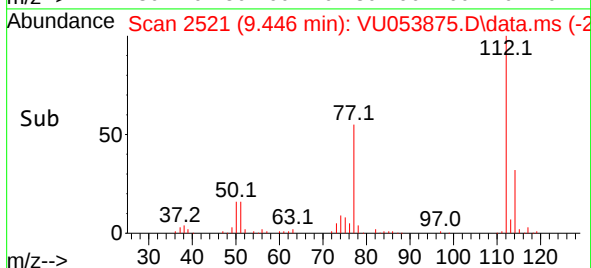
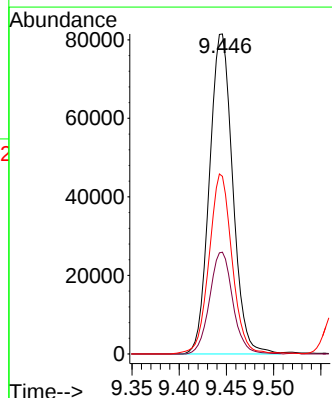
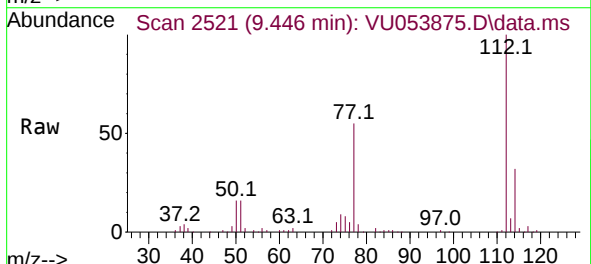
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

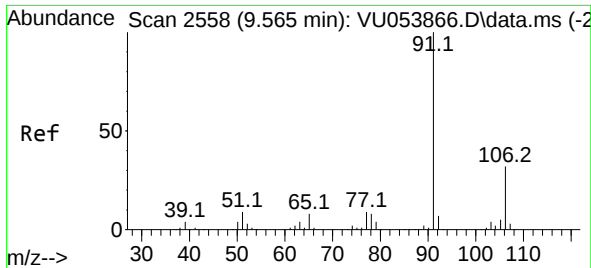
Tgt Ion:107 Resp: 35391
Ion Ratio Lower Upper
107 100
109 96.2 64.3 119.5
188 3.2 2.1 3.1#



#51
Chlorobenzene
Concen: 5.119 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:112 Resp: 139557
Ion Ratio Lower Upper
112 100
114 31.8 23.0 42.6
77 55.5 44.4 66.6

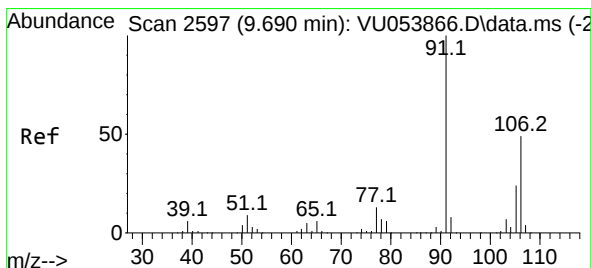
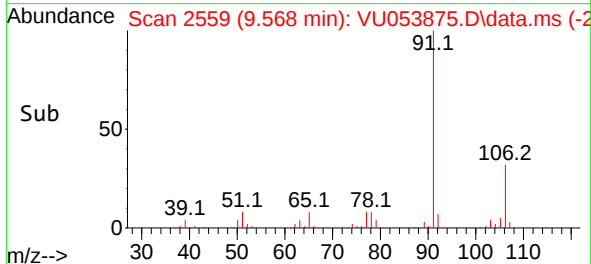
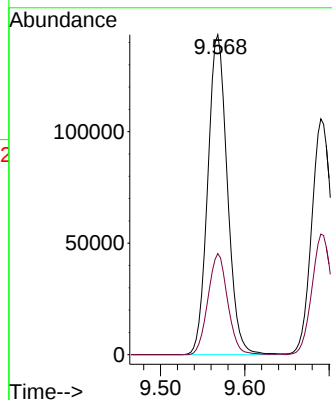
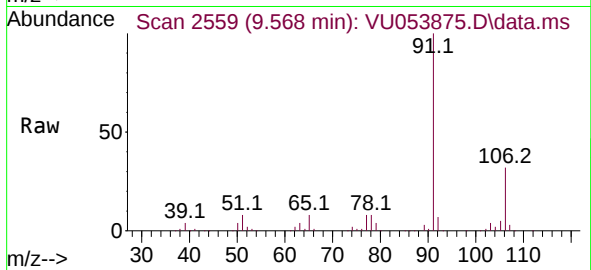




#52
Ethylbenzene
Concen: 5.256 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

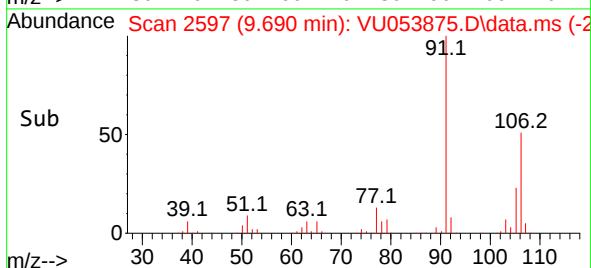
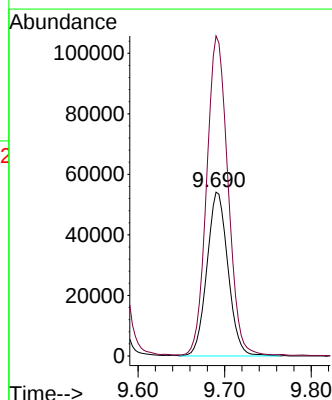
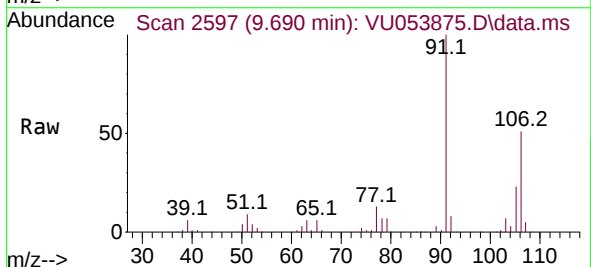
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

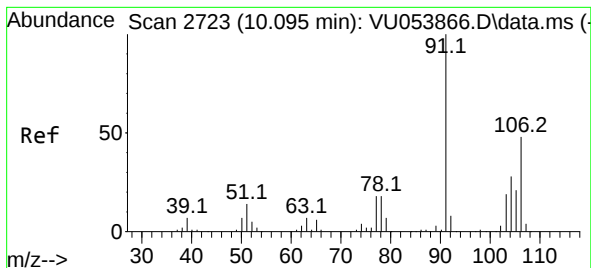
Tgt Ion: 91 Resp: 231750
Ion Ratio Lower Upper
91 100
106 31.6 22.8 42.4



#53
m,p-Xylene
Concen: 5.413 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:106 Resp: 91466
Ion Ratio Lower Upper
106 100
91 195.4 142.2 264.0





#54

o-Xylene

Concen: 5.303 ug/L

RT: 10.098 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

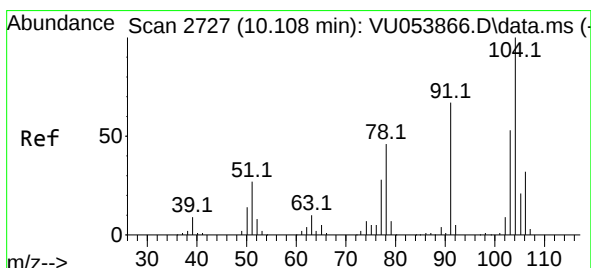
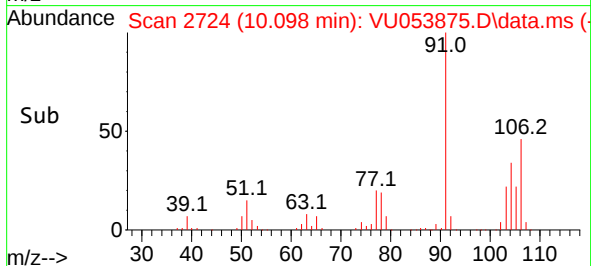
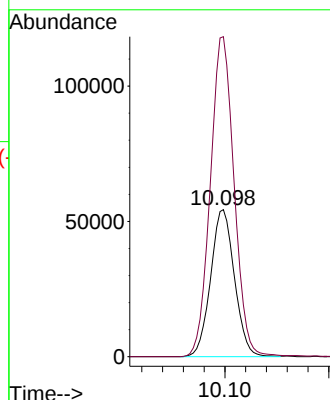
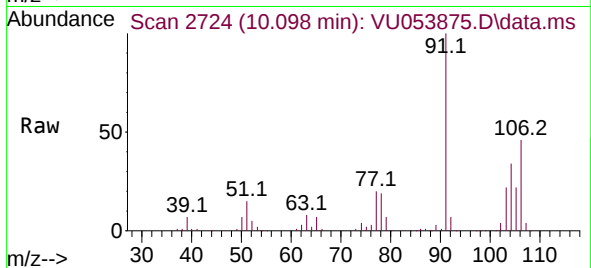
VSTD005160

Tgt Ion:106 Resp: 86460

Ion Ratio Lower Upper

106 100

91 217.6 145.5 270.1



#55

Styrene

Concen: 5.404 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU053875.D

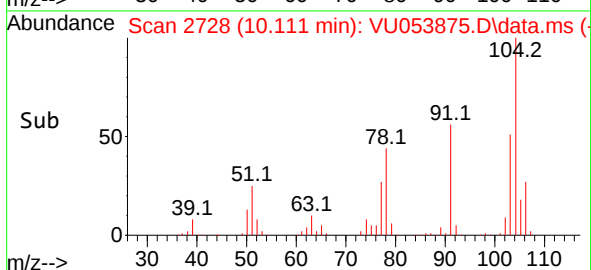
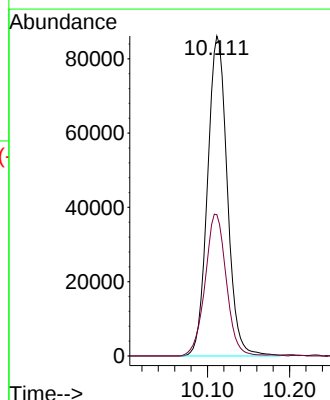
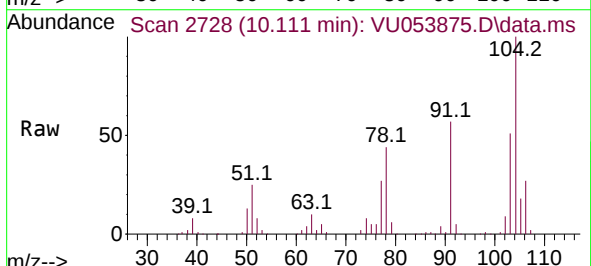
Acq: 25 Apr 2023 10:38

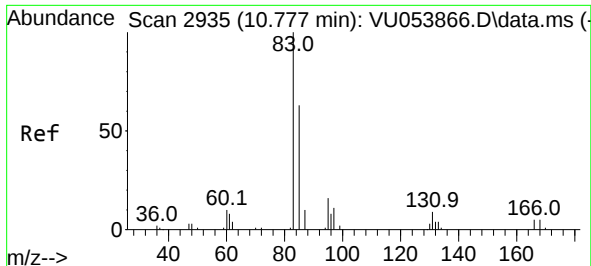
Tgt Ion:104 Resp: 144141

Ion Ratio Lower Upper

104 100

78 44.1 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.990 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD005160

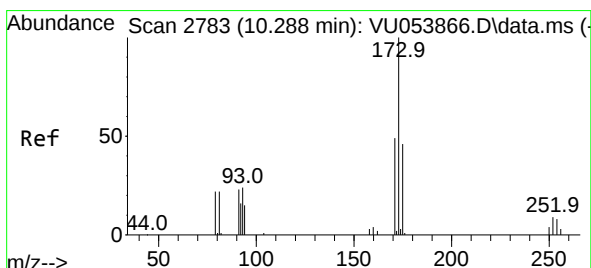
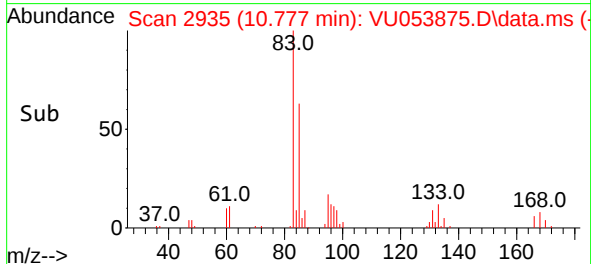
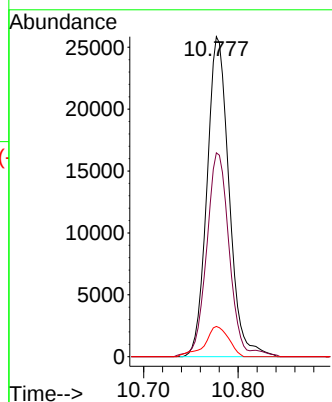
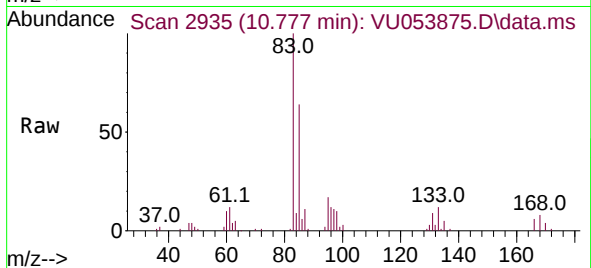
Tgt Ion: 83 Resp: 41894

Ion Ratio Lower Upper

83 100

85 63.7 43.5 80.9

131 9.4 7.8 11.6



#59

Bromoform

Concen: 4.930 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

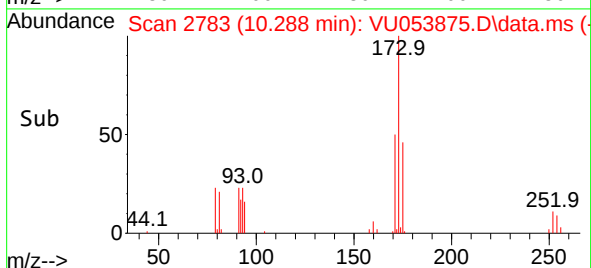
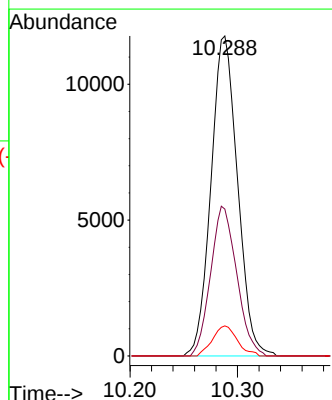
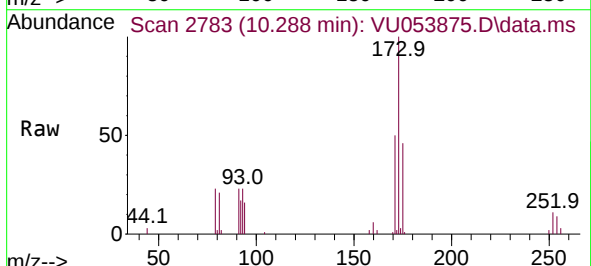
Tgt Ion:173 Resp: 20203

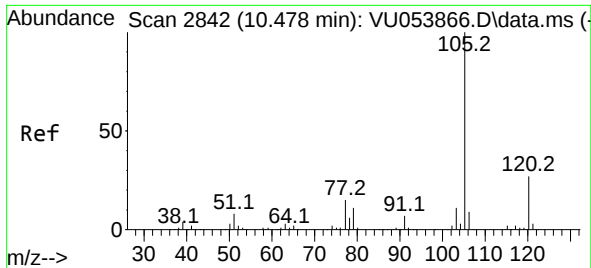
Ion Ratio Lower Upper

173 100

175 46.0 37.4 56.2

254 8.8 7.1 10.7

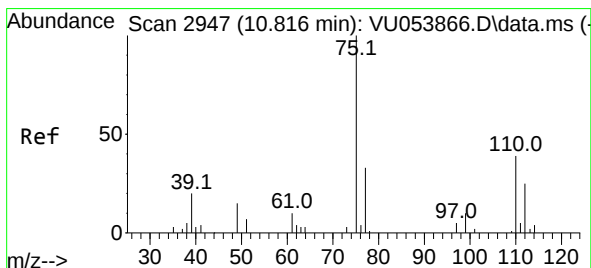
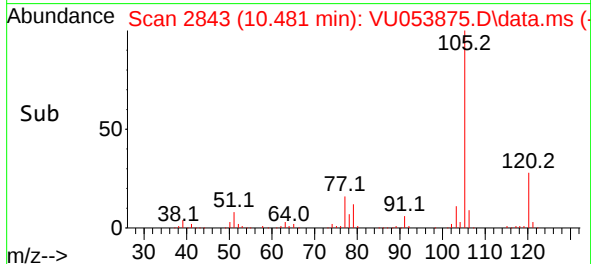
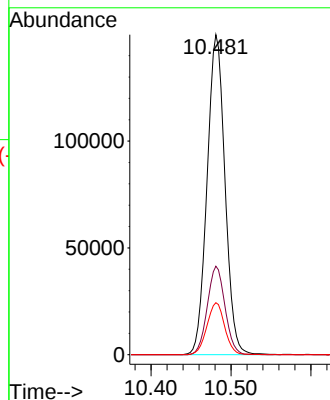
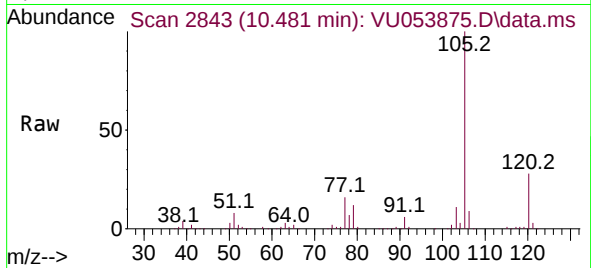




#60
Isopropylbenzene
Concen: 5.387 ug/L
RT: 10.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

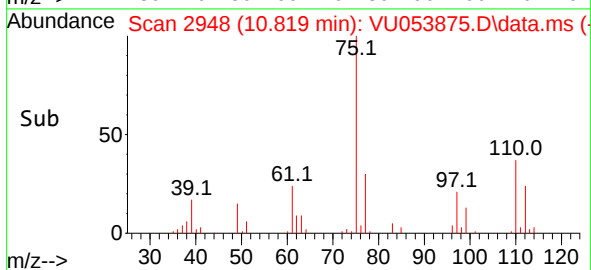
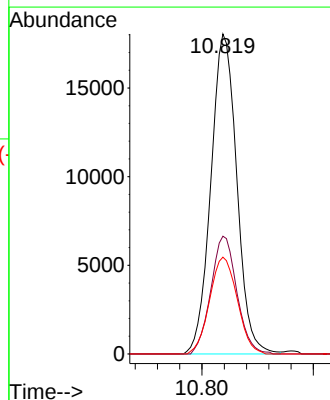
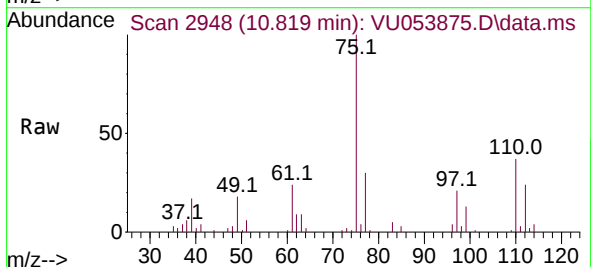
Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

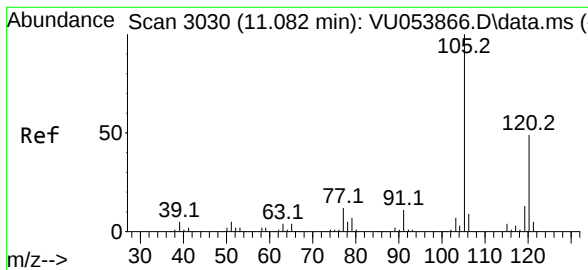
Tgt Ion:105 Resp: 233480
Ion Ratio Lower Upper
105 100
120 27.3 21.4 32.0
77 16.2 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.247 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion: 75 Resp: 29160
Ion Ratio Lower Upper
75 100
110 36.9 30.7 46.1
77 32.2 26.2 39.4

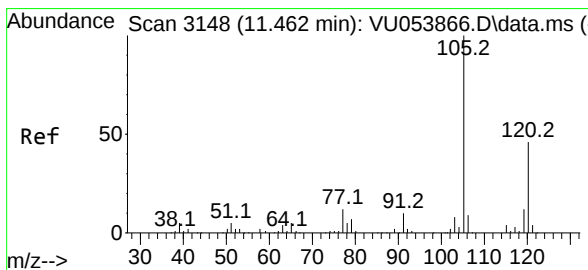
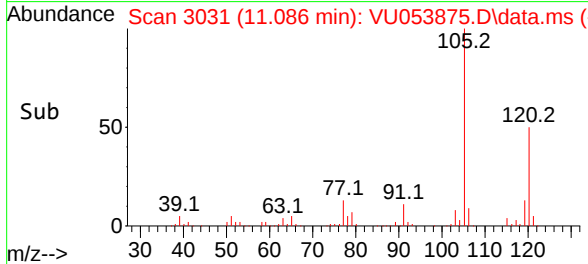
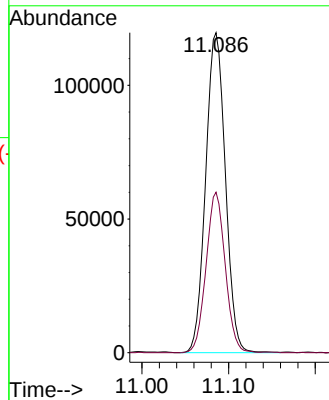
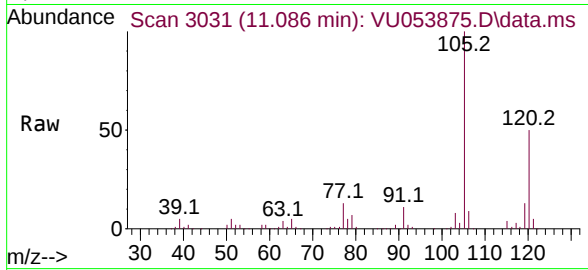




#62
 1,3,5-Trimethylbenzene
 Concen: 5.374 ug/L
 RT: 11.086 min Scan# 3030
 Delta R.T. 0.003 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

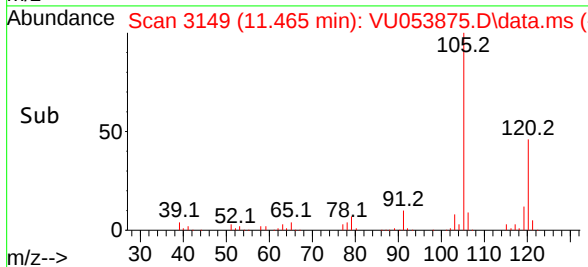
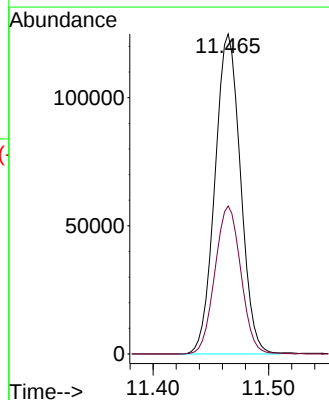
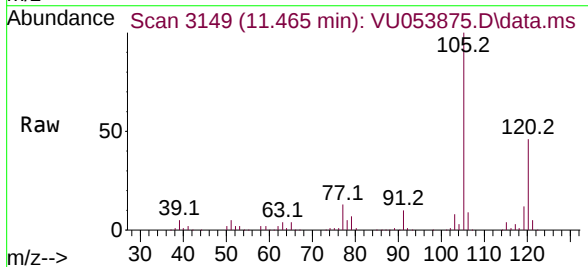
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005160

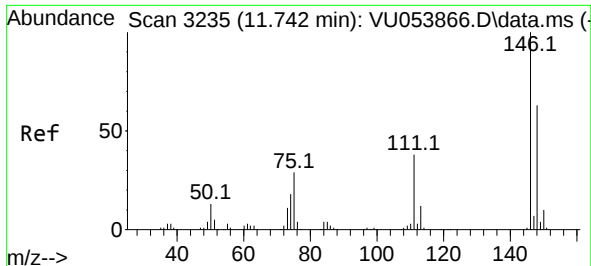
Tgt Ion:105 Resp: 189316
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.380 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.003 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

Tgt Ion:105 Resp: 191780
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 5.214 ug/L

RT: 11.742 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD005160

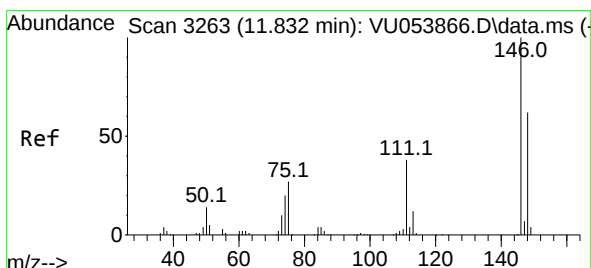
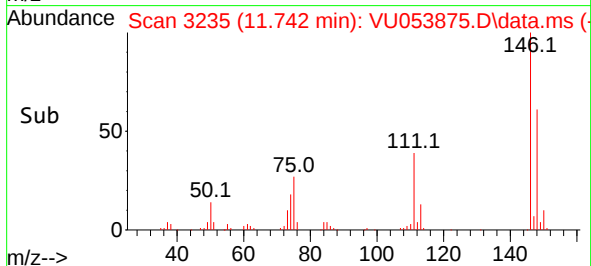
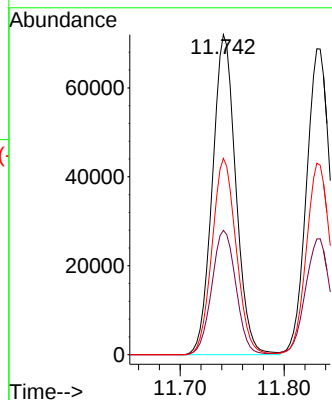
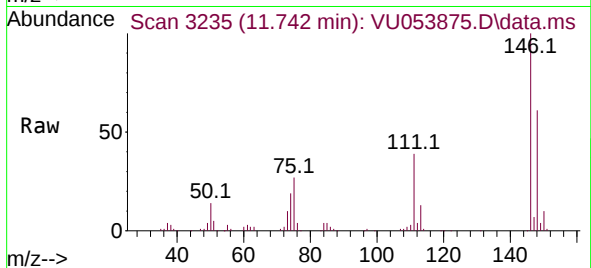
Tgt Ion:146 Resp: 112927

Ion Ratio Lower Upper

146 100

111 38.8 27.9 51.9

148 61.3 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 5.063 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

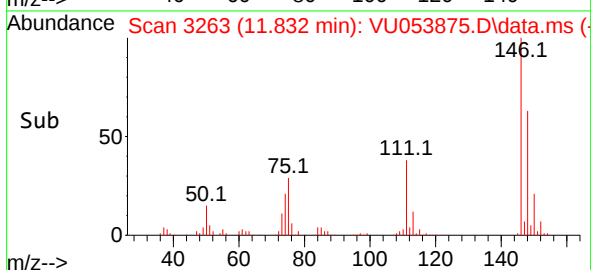
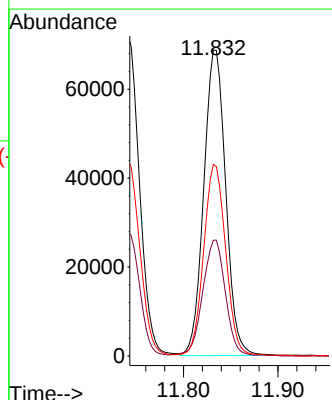
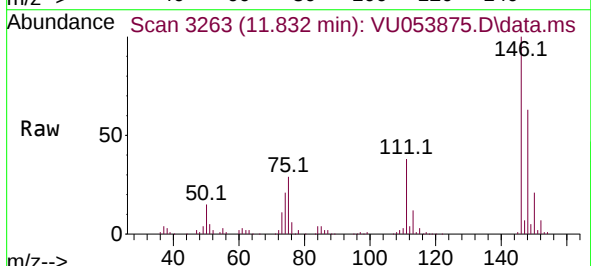
Tgt Ion:146 Resp: 110789

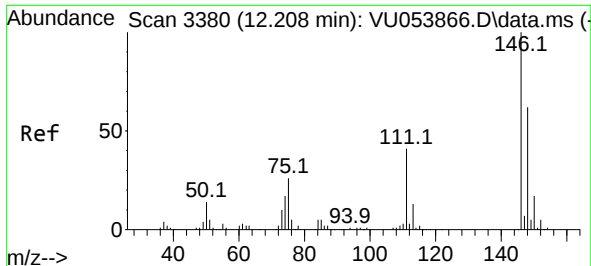
Ion Ratio Lower Upper

146 100

111 37.8 28.3 52.7

148 62.6 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.066 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD005160

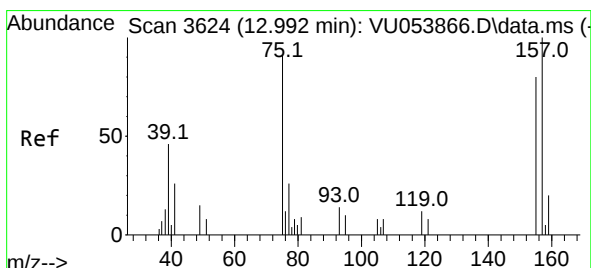
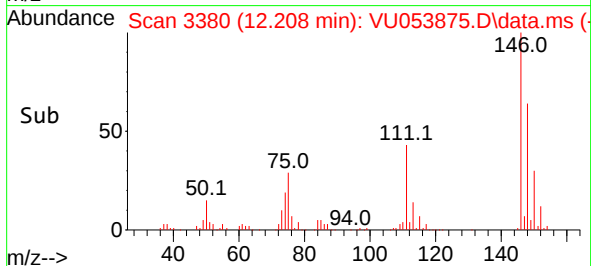
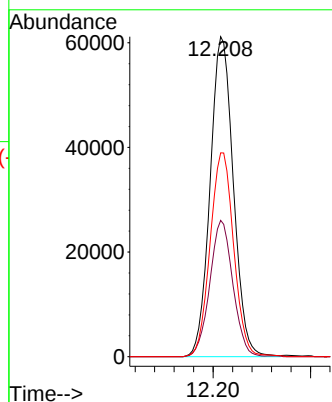
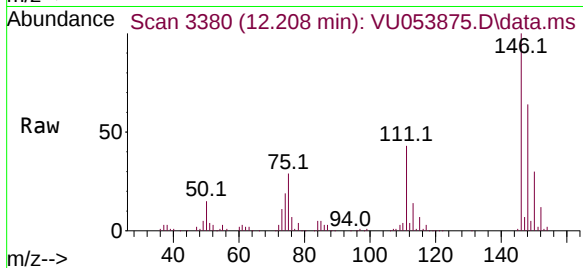
Tgt Ion:146 Resp: 101332

Ion Ratio Lower Upper

146 100

111 42.6 32.6 49.0

148 63.7 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.905 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053875.D

Acq: 25 Apr 2023 10:38

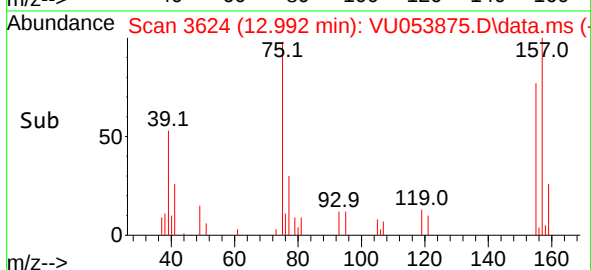
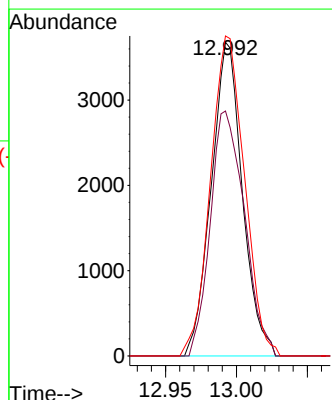
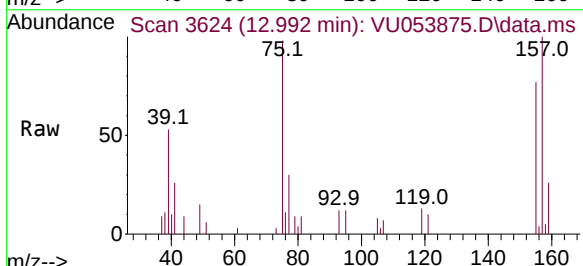
Tgt Ion: 75 Resp: 5618

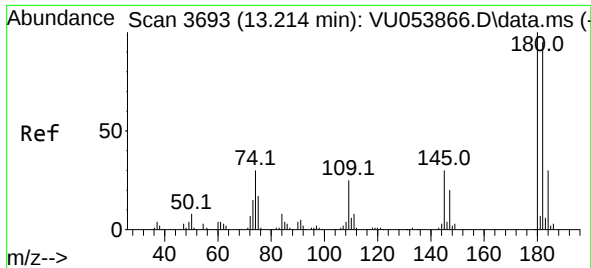
Ion Ratio Lower Upper

75 100

155 78.1 72.8 109.2

157 102.0 89.1 133.7

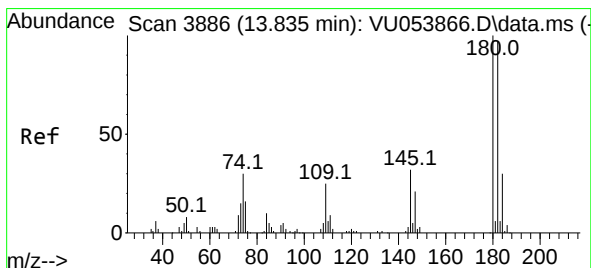
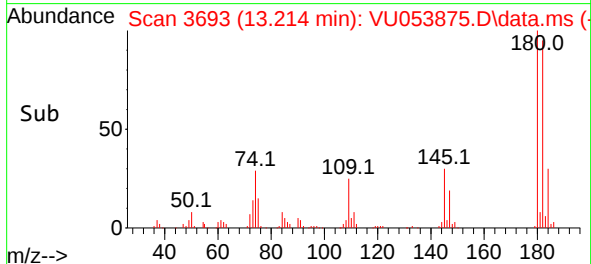
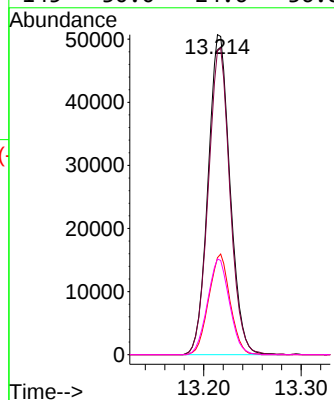
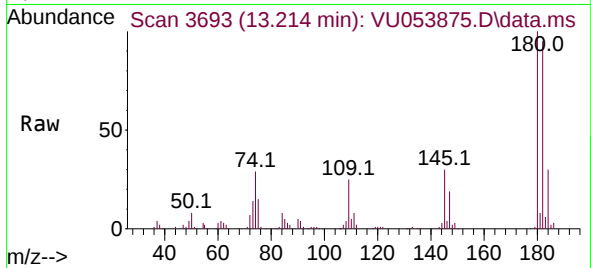




#69
 1,3,5-Trichlorobenzene
 Concen: 5.104 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

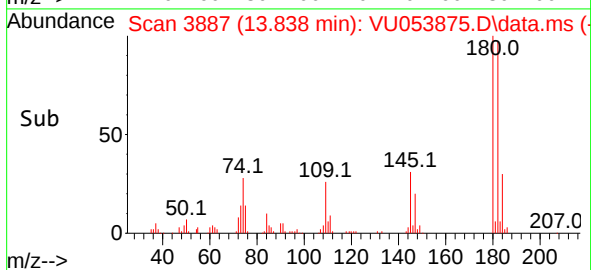
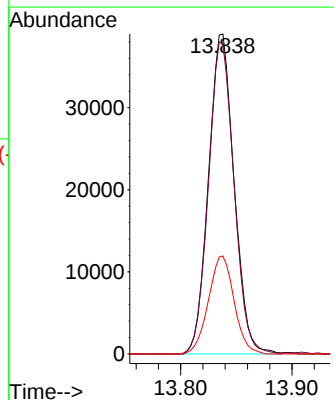
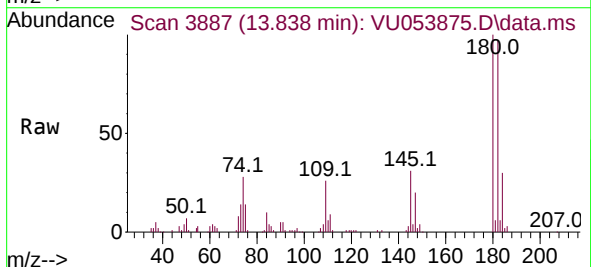
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005160

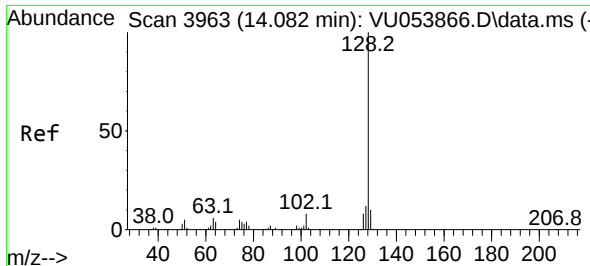
Tgt Ion:180	Resp:	79156
Ion Ratio	Lower	Upper
180	100	
182	94.8	75.1 112.7
184	30.6	24.2 36.2
145	30.0	24.6 36.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.395 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053875.D
 Acq: 25 Apr 2023 10:38

Tgt Ion:180	Resp:	62042
Ion Ratio	Lower	Upper
180	100	
182	97.6	75.5 113.3
145	30.8	25.8 38.6

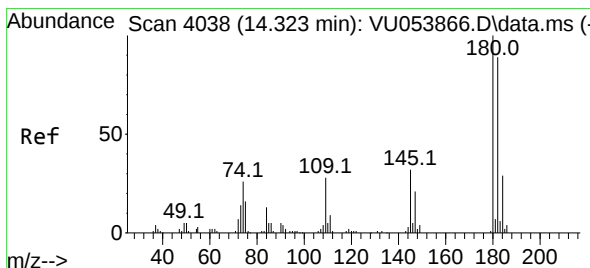
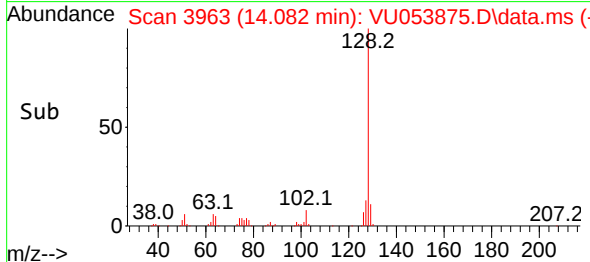
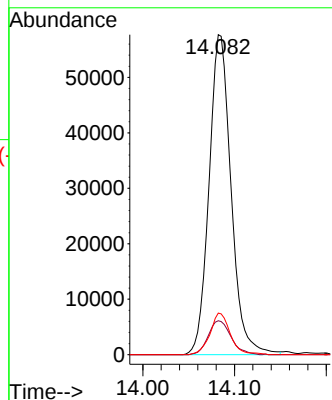
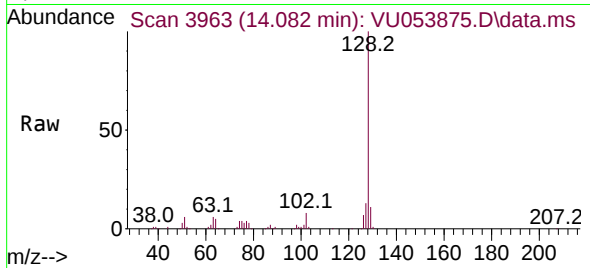




#71
Naphthalene
Concen: 3.868 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD005160

Tgt Ion:128 Resp: 96512
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 12.0 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.221 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053875.D
Acq: 25 Apr 2023 10:38

Tgt Ion:180 Resp: 53164
Ion Ratio Lower Upper
180 100
182 99.0 77.4 116.2
145 32.0 26.8 40.2

