

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053878.D
 Acq On : 25 Apr 2023 12:50
 Operator : JC/MD
 Sample : 02392-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE36

Quant Time: Apr 26 05:10:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 26 05:09:52 2023
 Response via : Initial Calibration

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

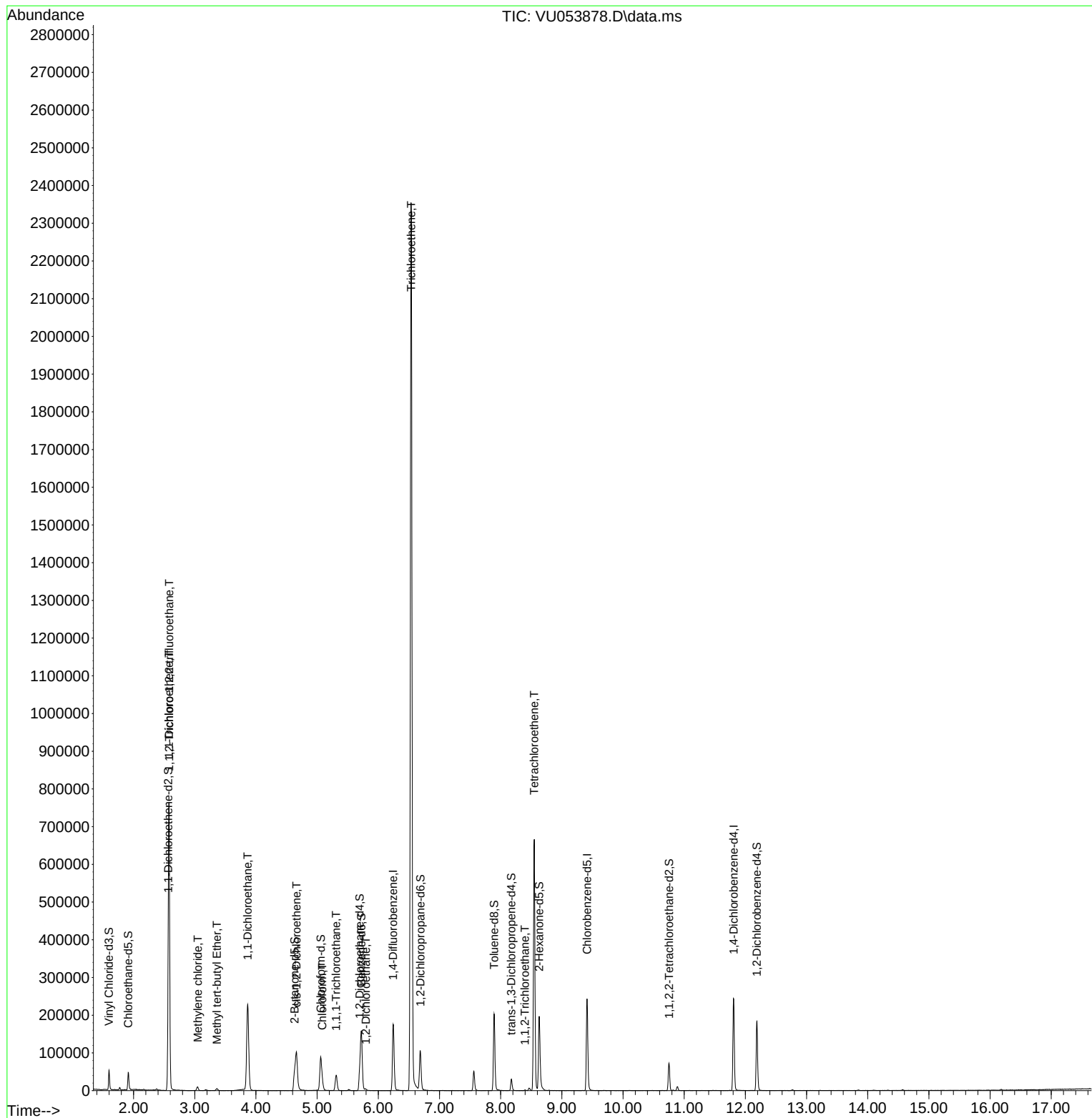
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	155848	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	147316	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	68471	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38101	4.014	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.912	69	34906	4.381	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.565	65	16180	4.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.633	46	83898	48.255	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.500%
24) Chloroform-d	5.060	84	79535	4.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.697	65	39256	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.723	84	158633	4.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.687	67	51063	4.864	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.893	98	144146	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	8.173	79	18297	4.431	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.629	63	72685	49.741	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.480%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	37587	4.430	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	50709	4.617	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	3102	0.279	ug/L #	78
12) 1,1-Dichloroethene	2.578	96	254416	25.954	ug/L #	80
16) Methylene chloride	3.047	84	5029	0.376	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	5586	0.263	ug/L #	86
19) 1,1-Dichloroethane	3.864	63	265419	14.806	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	45973	4.114	ug/L	97
25) Chloroform	5.083	83	16543	0.850	ug/L	98
27) 1,2-Dichloroethane	5.797	62	2856	0.256	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	30463	1.839	ug/L	99
34) Trichloroethene	6.536	95	807228	71.338	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	726	0.094	ug/L #	73
47) Tetrachloroethene	8.549	164	148308	16.536	ug/L	98

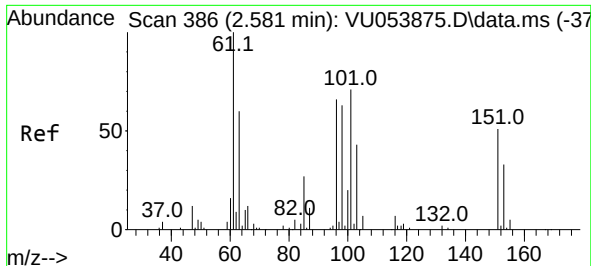
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.279 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.000 min

Lab File: VU053878.D

Acq: 25 Apr 2023 12:50

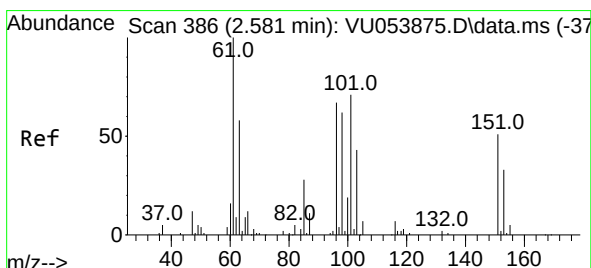
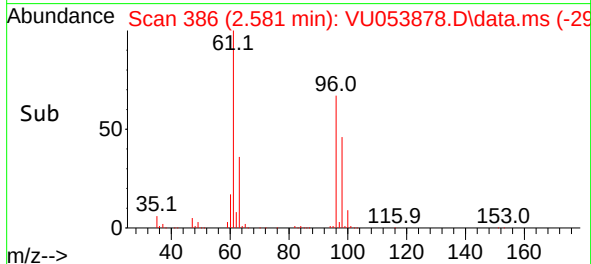
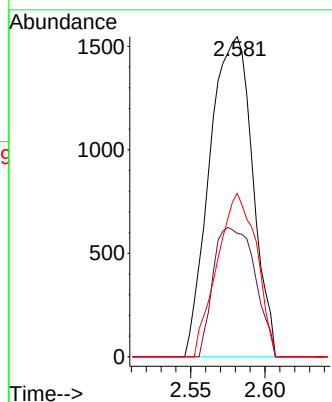
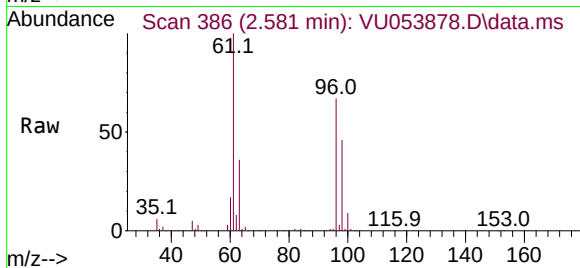
Instrument :

MSVOA_U

ClientSampleId :

BHE36

Tgt Ion:	101	Resp:	3102
Ion	Ratio	Lower	Upper
101	100		
85	39.4	34.7	52.1
151	46.9	59.1	88.7#



#12

1,1-Dichloroethene

Concen: 25.954 ug/L

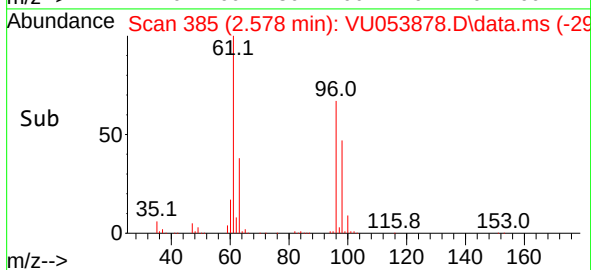
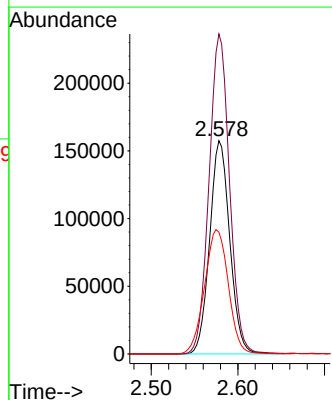
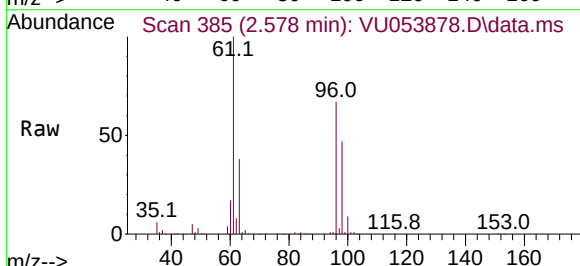
RT: 2.578 min Scan# 385

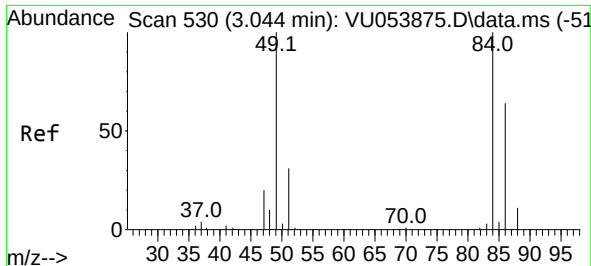
Delta R.T. -0.003 min

Lab File: VU053878.D

Acq: 25 Apr 2023 12:50

Tgt Ion:	96	Resp:	254416
Ion	Ratio	Lower	Upper
96	100		
61	150.1	111.5	207.1
63	57.1	68.7	127.7#

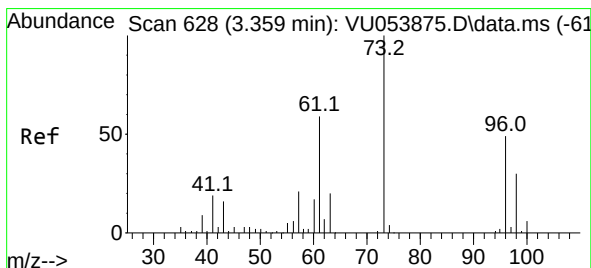
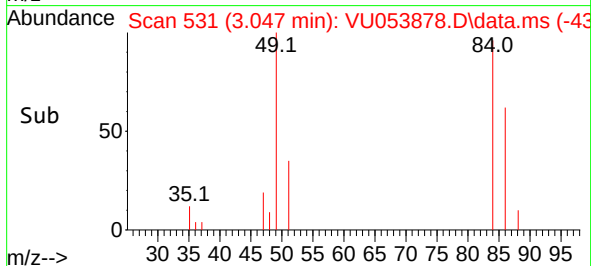
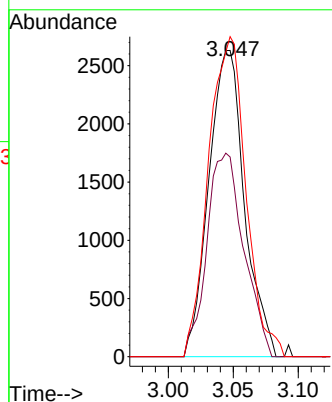
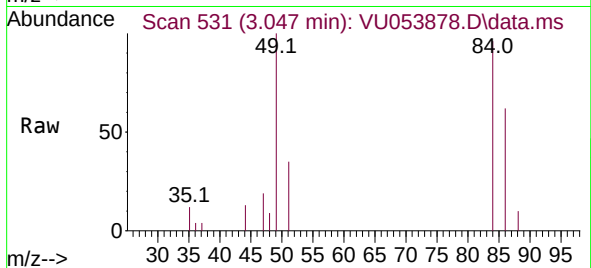




#16
Methylene chloride
Concen: 0.376 ug/L
RT: 3.047 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU053878.D
Acq: 25 Apr 2023 12:50

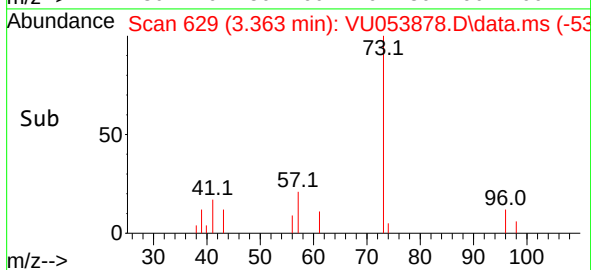
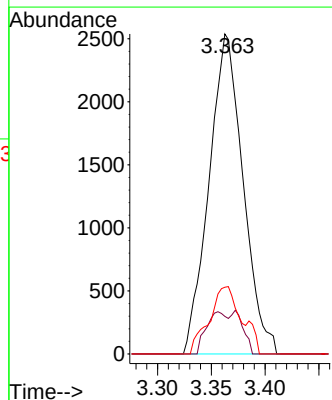
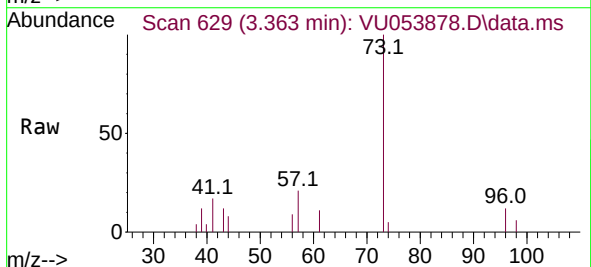
Instrument :
MSVOA_U
ClientSampleId :
BHE36

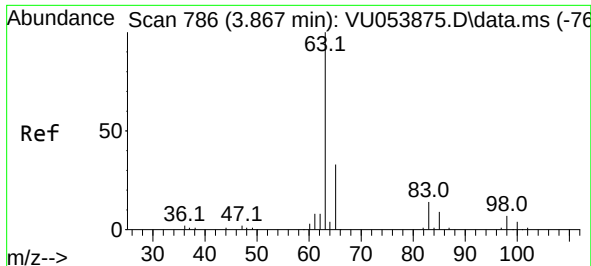
Tgt Ion: 84 Resp: 5029
Ion Ratio Lower Upper
84 100
86 65.2 45.0 83.6
49 104.5 74.8 138.8



#17
Methyl tert-butyl Ether
Concen: 0.263 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU053878.D
Acq: 25 Apr 2023 12:50

Tgt Ion: 73 Resp: 5586
Ion Ratio Lower Upper
73 100
43 5.0 13.4 20.2#
57 20.2 17.2 25.8





#19

1,1-Dichloroethane

Concen: 14.806 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU053878.D

Acq: 25 Apr 2023 12:50

Instrument :

MSVOA_U

ClientSampleId :

BHE36

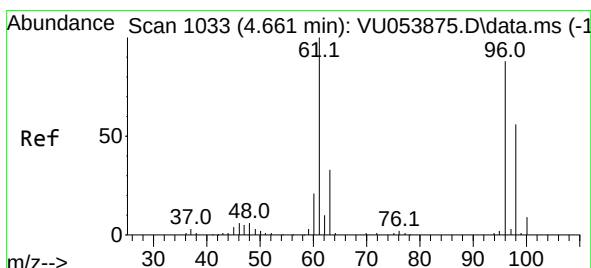
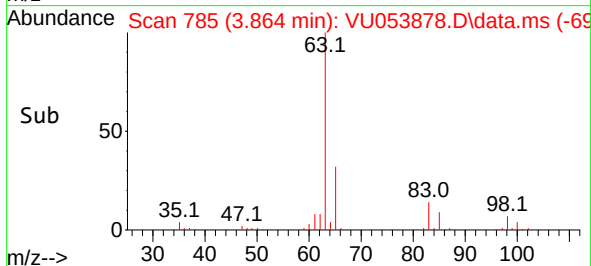
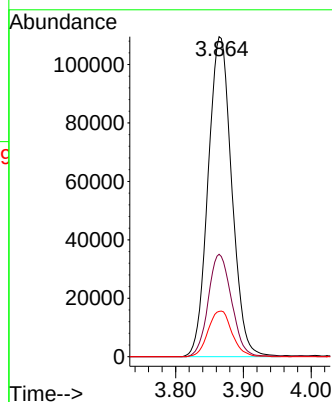
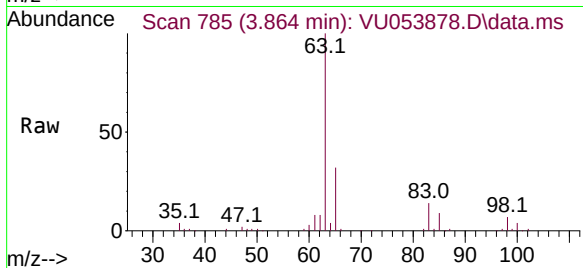
Tgt Ion: 63 Resp: 265419

Ion Ratio Lower Upper

63 100

65 32.0 22.0 40.8

83 14.1 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 4.114 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053878.D

Acq: 25 Apr 2023 12:50

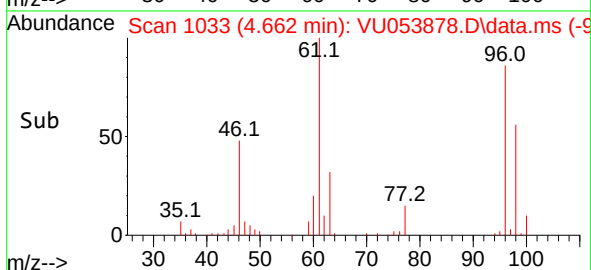
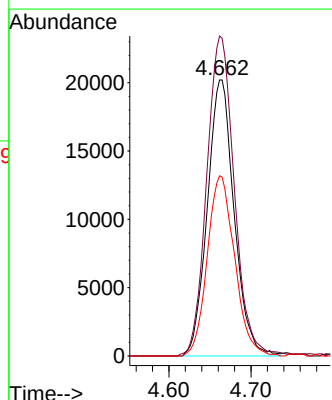
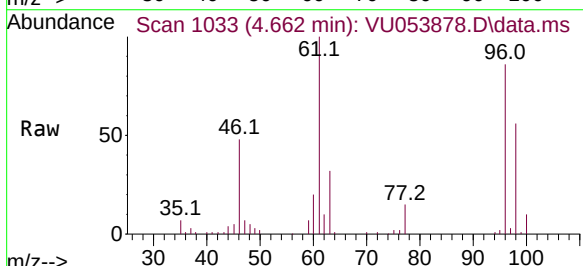
Tgt Ion: 96 Resp: 45973

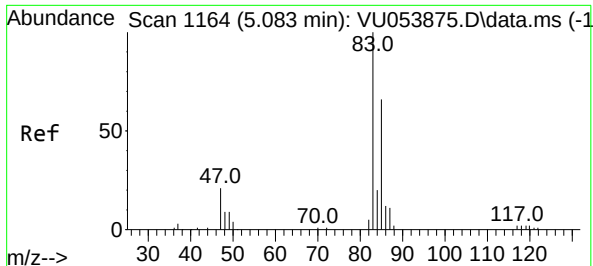
Ion Ratio Lower Upper

96 100

61 115.9 84.3 156.5

98 65.3 46.4 86.2





#25

Chloroform

Concen: 0.850 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053878.D

Acq: 25 Apr 2023 12:50

Instrument :

MSVOA_U

ClientSampleId :

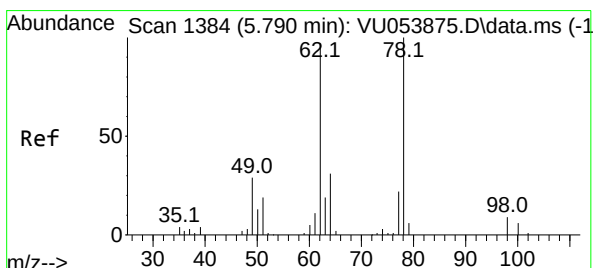
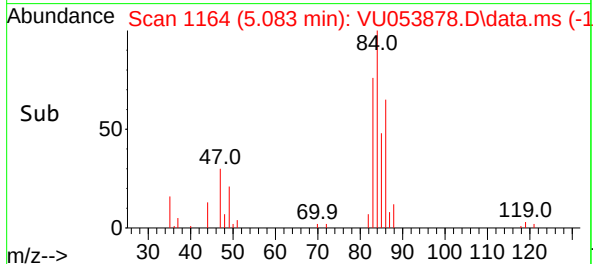
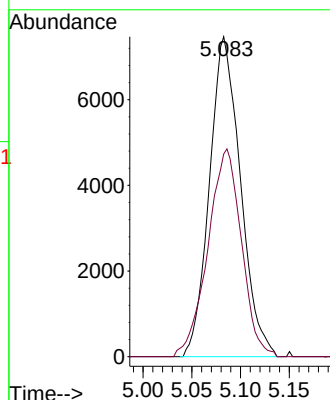
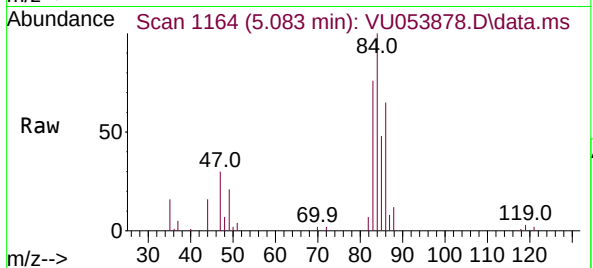
BHE36

Tgt Ion: 83 Resp: 16543

Ion Ratio Lower Upper

83 100

85 63.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.256 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.007 min

Lab File: VU053878.D

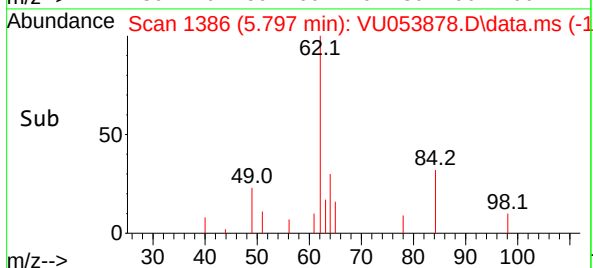
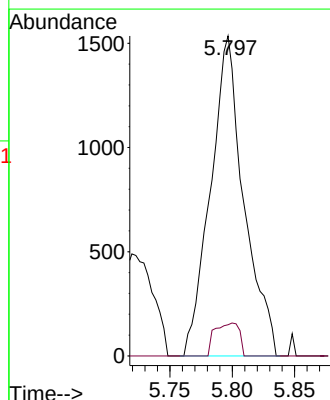
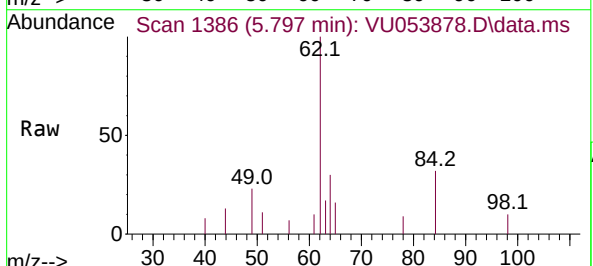
Acq: 25 Apr 2023 12:50

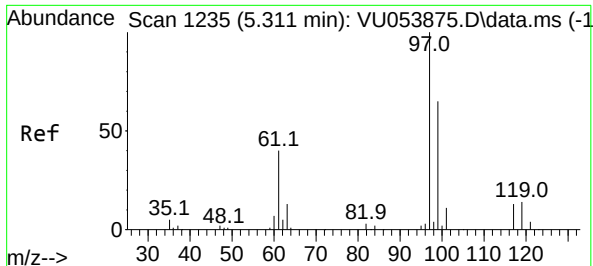
Tgt Ion: 62 Resp: 2856

Ion Ratio Lower Upper

62 100

98 9.8 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 1.839 ug/L

RT: 5.311 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053878.D

Acq: 25 Apr 2023 12:50

Instrument :

MSVOA_U

ClientSampleId :

BHE36

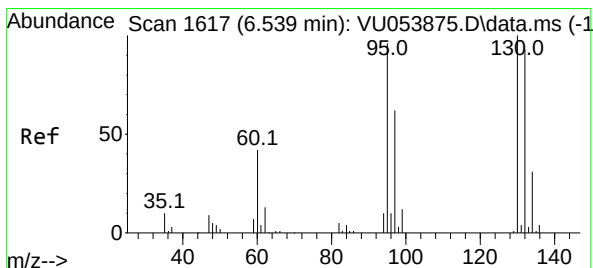
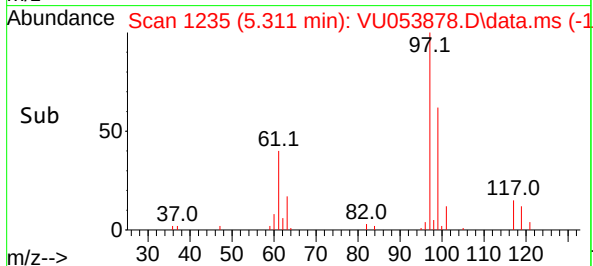
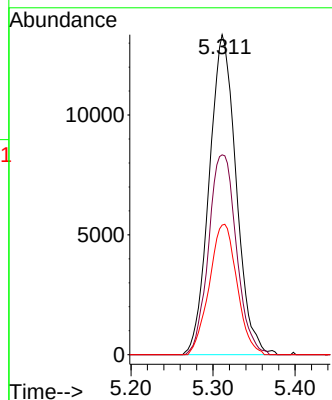
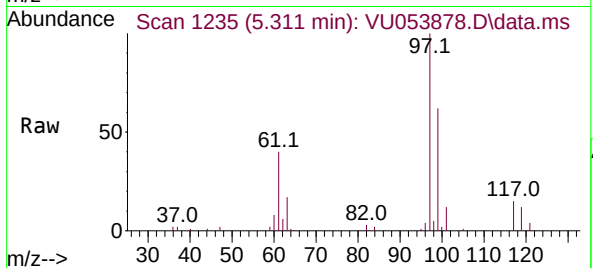
Tgt Ion: 97 Resp: 30463

Ion Ratio Lower Upper

97 100

99 64.5 52.9 79.3

61 41.9 33.8 50.8



#34

Trichloroethene

Concen: 71.338 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053878.D

Acq: 25 Apr 2023 12:50

Tgt Ion: 95 Resp: 807228

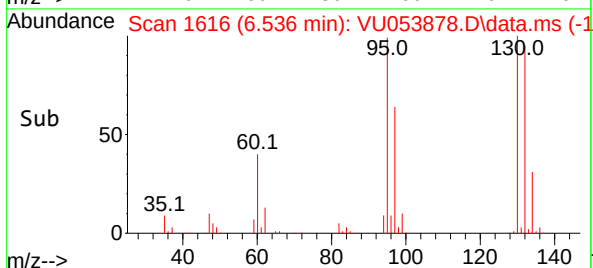
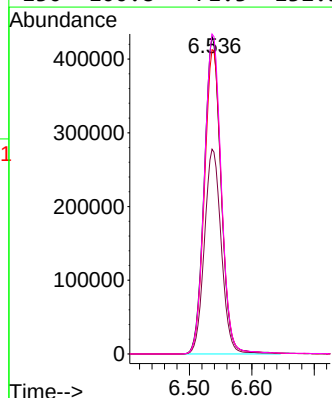
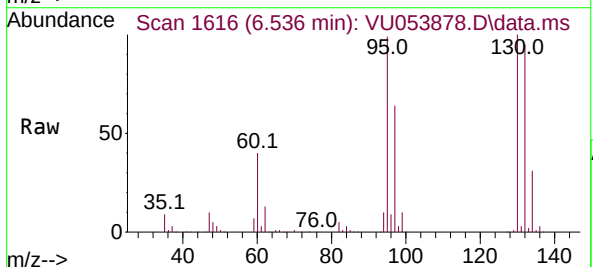
Ion Ratio Lower Upper

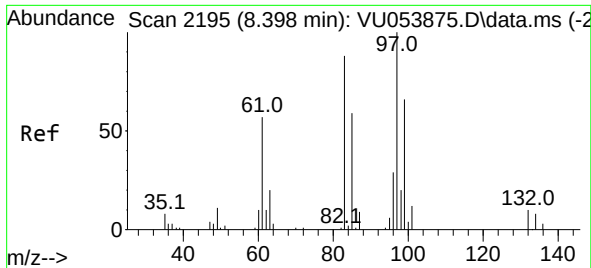
95 100

97 64.5 45.1 83.9

132 95.9 69.9 129.9

130 100.8 71.3 132.3

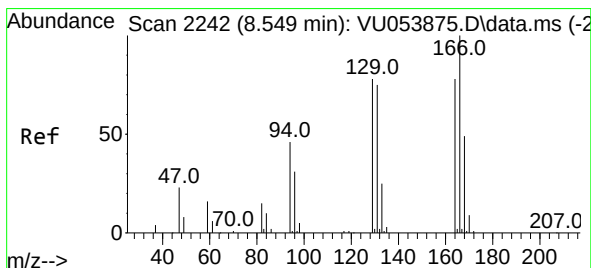
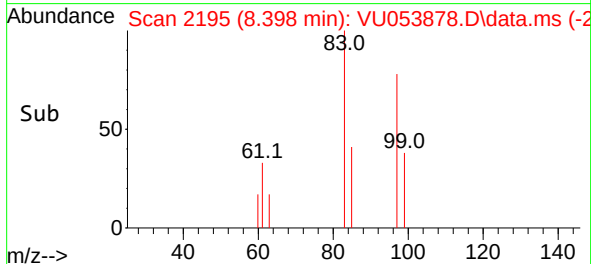
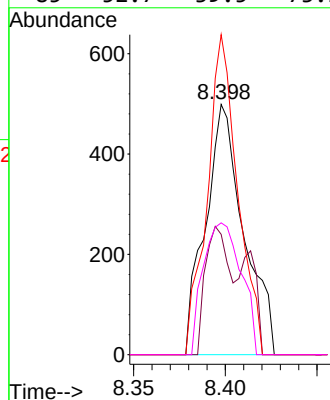
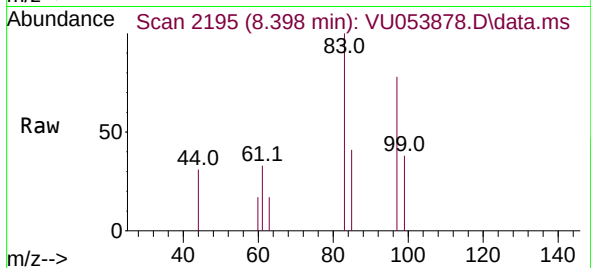




#45
1,1,2-Trichloroethane
Concen: 0.094 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU053878.D
Acq: 25 Apr 2023 12:50

Instrument :
MSVOA_U
ClientSampleId :
BHE36

Tgt Ion:	97	Resp:	726
Ion	Ratio	Lower	Upper
97	100		
99	48.1	44.7	83.1
83	127.9	59.8	111.1#
85	52.7	39.5	73.3



#47
Tetrachloroethene
Concen: 16.536 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053878.D
Acq: 25 Apr 2023 12:50

Tgt Ion:	164	Resp:	148308
Ion	Ratio	Lower	Upper
164	100		
129	97.0	68.3	126.8
131	95.1	64.4	119.6
166	129.7	88.3	163.9

