

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053763.D
 Acq On : 18 Apr 2023 16:38
 Operator : JC/MD
 Sample : 02340-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

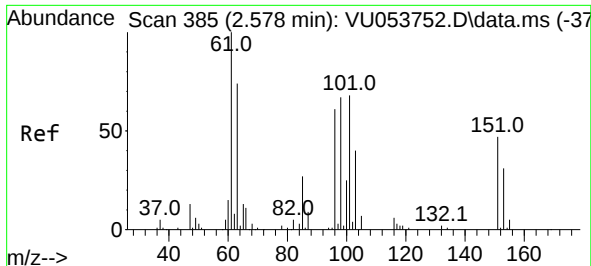
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE15

Quant Time: Apr 19 05:02:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	136985	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129870	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	63415	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41394	4.393	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.909	69	38221	4.469	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.565	65	15888	3.958	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	4.620	46	90839	42.078	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.160%
24) Chloroform-d	5.057	84	80953	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.697	65	40575	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.723	84	158190	4.298	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.687	67	51600	4.601	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.893	98	138220	3.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	8.176	79	17975	4.177	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.629	63	76924	44.005	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.000%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	40321	4.319	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	55907	4.900	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.575	96	2962	0.382	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	5365	0.362	ug/L	95
22) cis-1,2-Dichloroethene	4.662	96	8410	0.775	ug/L	90
25) Chloroform	5.083	83	10189	0.667	ug/L	96
29) 1,1,1-Trichloroethane	5.311	97	3232	0.252	ug/L #	92
34) Trichloroethene	6.536	95	37920	4.092	ug/L	95
37) 1,2-Dichloropropane	6.687	63	5506	0.599	ug/L #	89
47) Tetrachloroethene	8.549	164	10493	1.541	ug/L	95
49) Dibromochloromethane	8.549	129	10705	1.659	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	7250	1.380	ug/L #	67

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



#12

1,1-Dichloroethene

Concen: 0.382 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

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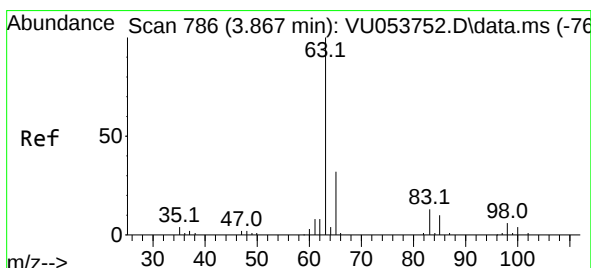
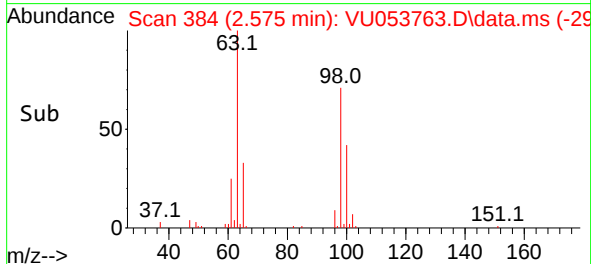
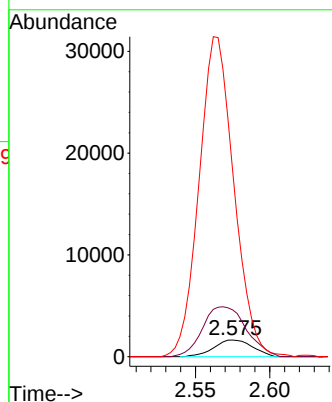
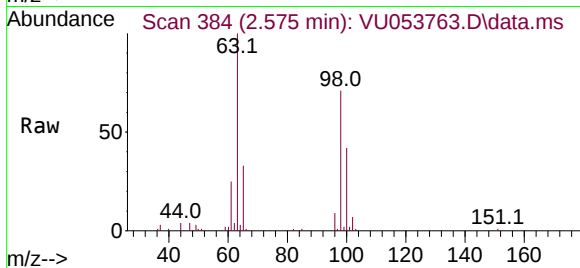
Tgt Ion: 96 Resp: 2962

Ion Ratio Lower Upper

96 100

61 281.9 116.8 216.8#

63 1127.3 88.6 164.6#



#19

1,1-Dichloroethane

Concen: 0.362 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU053763.D

Acq: 18 Apr 2023 16:38

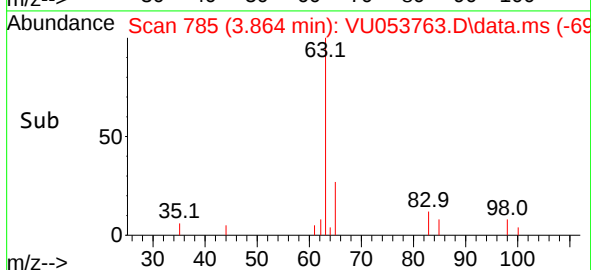
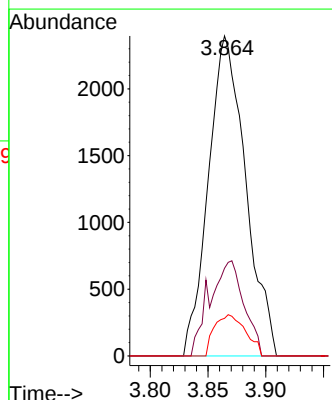
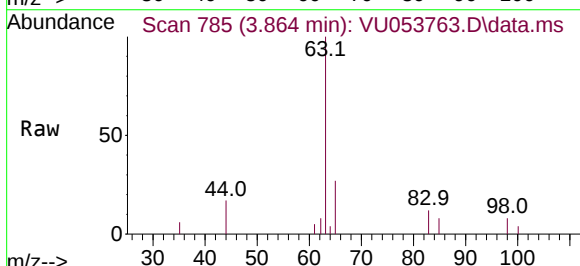
Tgt Ion: 63 Resp: 5365

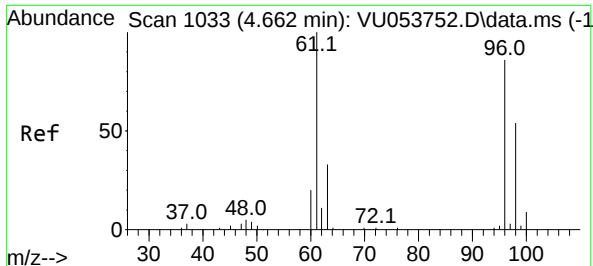
Ion Ratio Lower Upper

63 100

65 27.4 21.7 40.3

83 11.8 8.1 15.1





#22

cis-1,2-Dichloroethene

Concen: 0.775 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053763.D

Acq: 18 Apr 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

BHE15

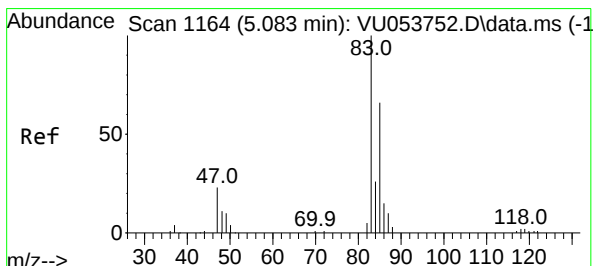
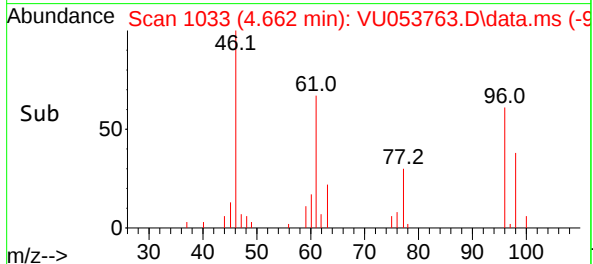
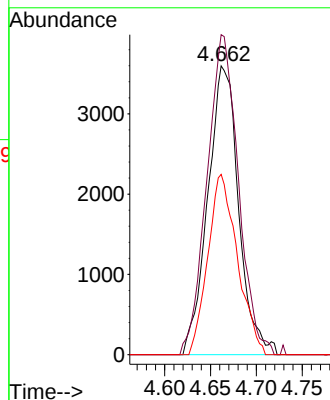
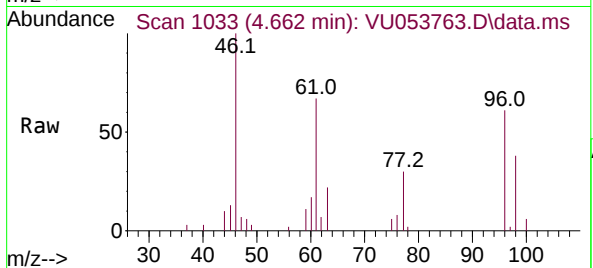
Tgt Ion: 96 Resp: 8410

Ion Ratio Lower Upper

96 100

61 110.8 86.6 160.8

98 62.4 47.7 88.5



#25

Chloroform

Concen: 0.667 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053763.D

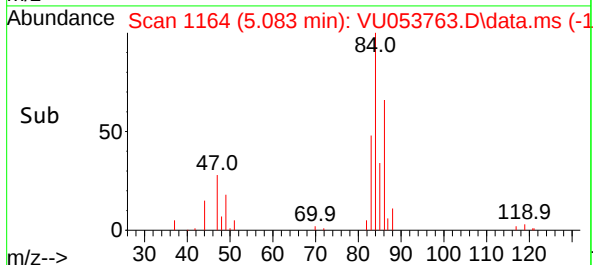
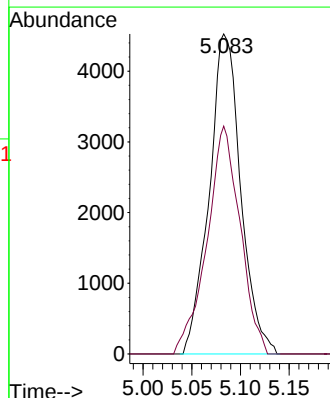
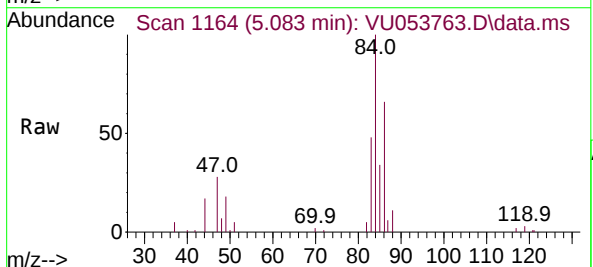
Acq: 18 Apr 2023 16:38

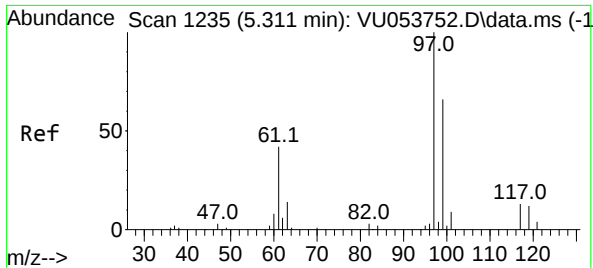
Tgt Ion: 83 Resp: 10189

Ion Ratio Lower Upper

83 100

85 71.2 47.3 87.9

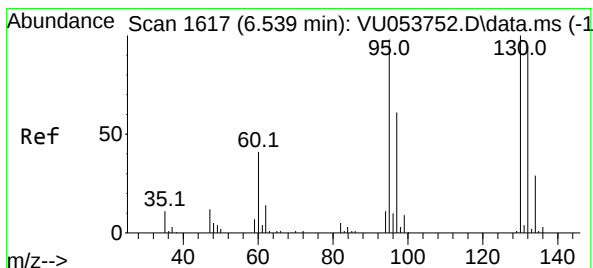
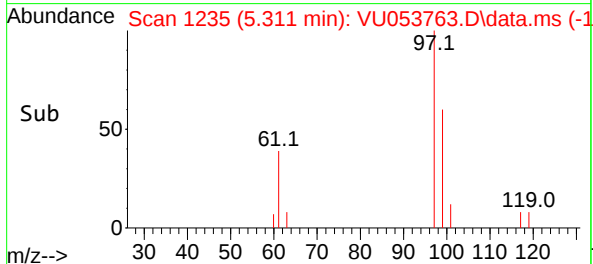
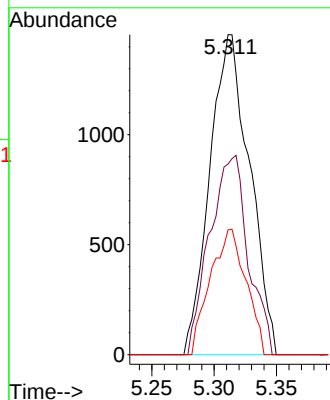
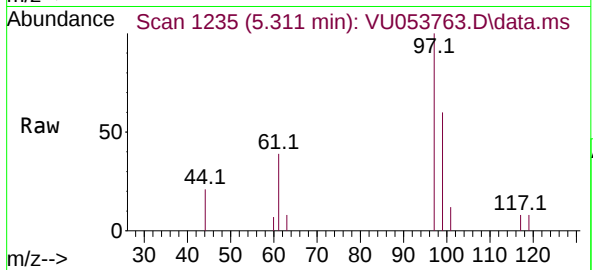




#29
1,1,1-Trichloroethane
Concen: 0.252 ug/L
RT: 5.311 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053763.D
Acq: 18 Apr 2023 16:38

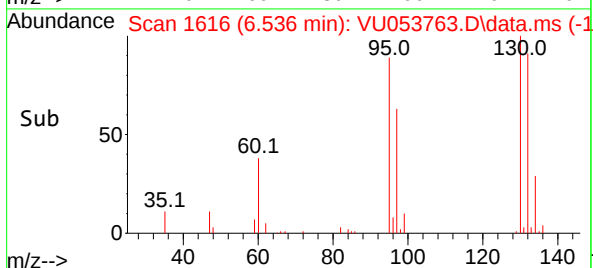
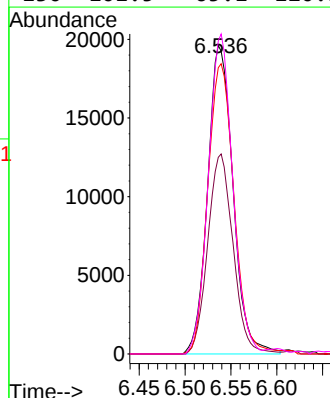
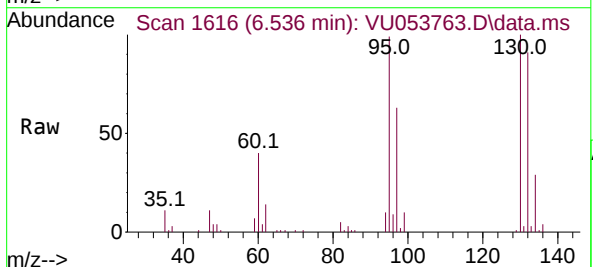
Instrument :
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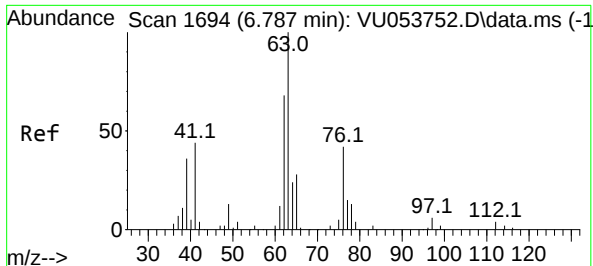
Tgt Ion: 97 Resp: 3232
Ion Ratio Lower Upper
97 100
99 60.3 49.9 74.9
61 35.2 35.7 53.5#



#34
Trichloroethene
Concen: 4.092 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053763.D
Acq: 18 Apr 2023 16:38

Tgt Ion: 95 Resp: 37920
Ion Ratio Lower Upper
95 100
97 63.8 45.3 84.1
132 92.8 62.8 116.6
130 101.5 65.1 120.9





#37

1,2-Dichloropropane

Concen: 0.599 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU053763.D

Acq: 18 Apr 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

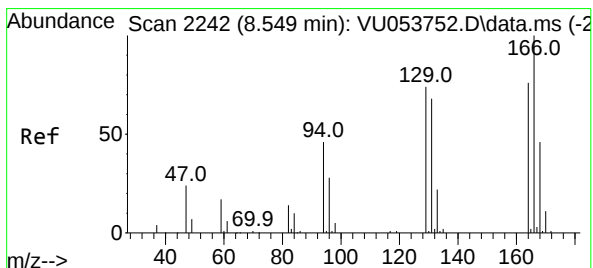
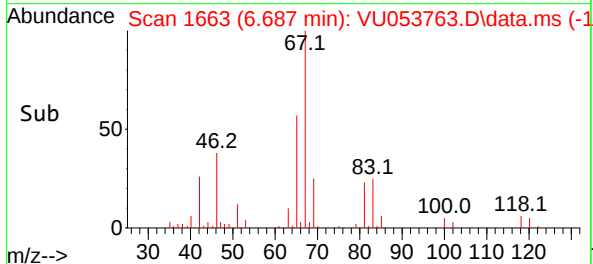
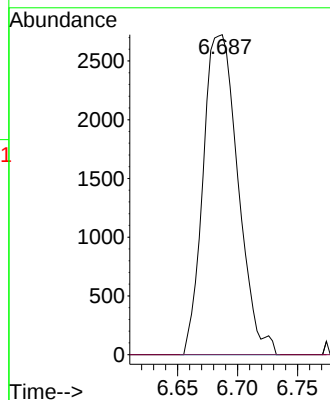
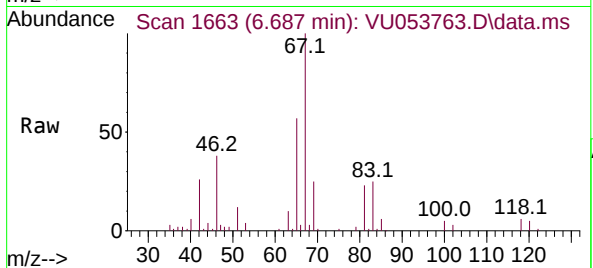
BHE15

Tgt Ion: 63 Resp: 5506

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#47

Tetrachloroethene

Concen: 1.541 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053763.D

Acq: 18 Apr 2023 16:38

Tgt Ion: 164 Resp: 10493

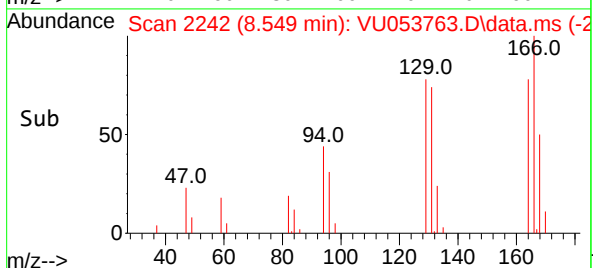
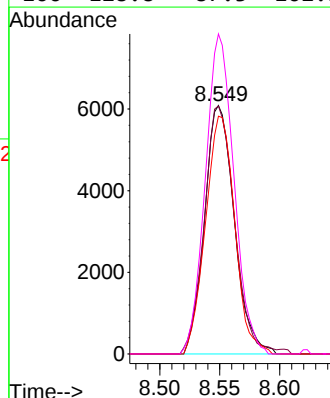
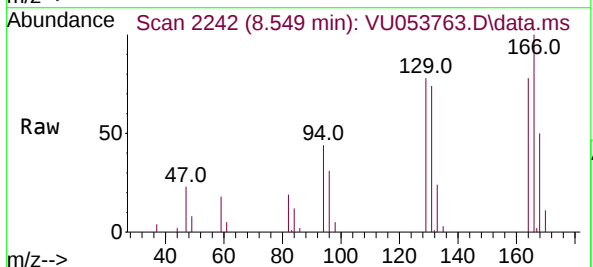
Ion Ratio Lower Upper

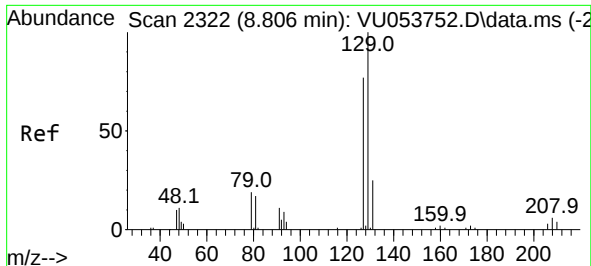
164 100

129 99.9 74.8 138.8

131 95.7 70.1 130.1

166 128.8 87.3 162.1





#49

Dibromochloromethane

Concen: 1.659 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053763.D

Acq: 18 Apr 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

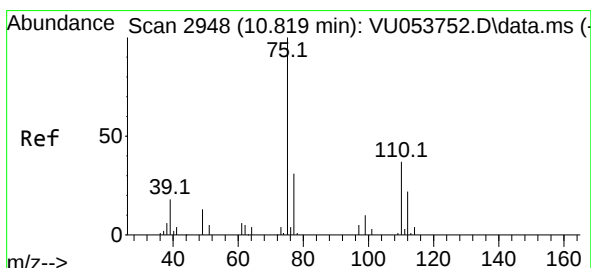
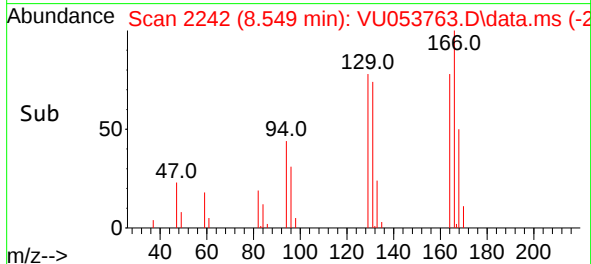
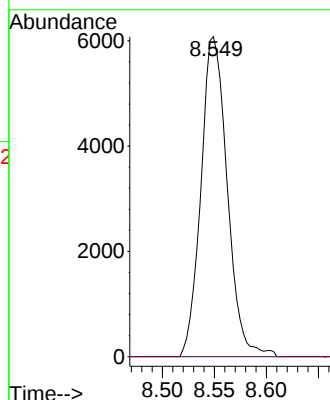
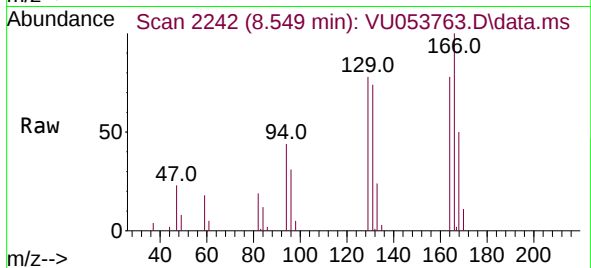
BHE15

Tgt Ion:129 Resp: 10705

Ion Ratio Lower Upper

129 100

127 0.0 52.2 97.0#



#61

1,2,3-Trichloropropane

Concen: 1.380 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU053763.D

Acq: 18 Apr 2023 16:38

Tgt Ion: 75 Resp: 7250

Ion Ratio Lower Upper

75 100

110 2.3 30.6 46.0#

77 32.0 26.1 39.1

