

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042623\
 Data File : VU053905.D
 Acq On : 26 Apr 2023 11:45
 Operator : JC/MD
 Sample : 02433-18DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE53DL

Quant Time: Apr 27 05:53:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

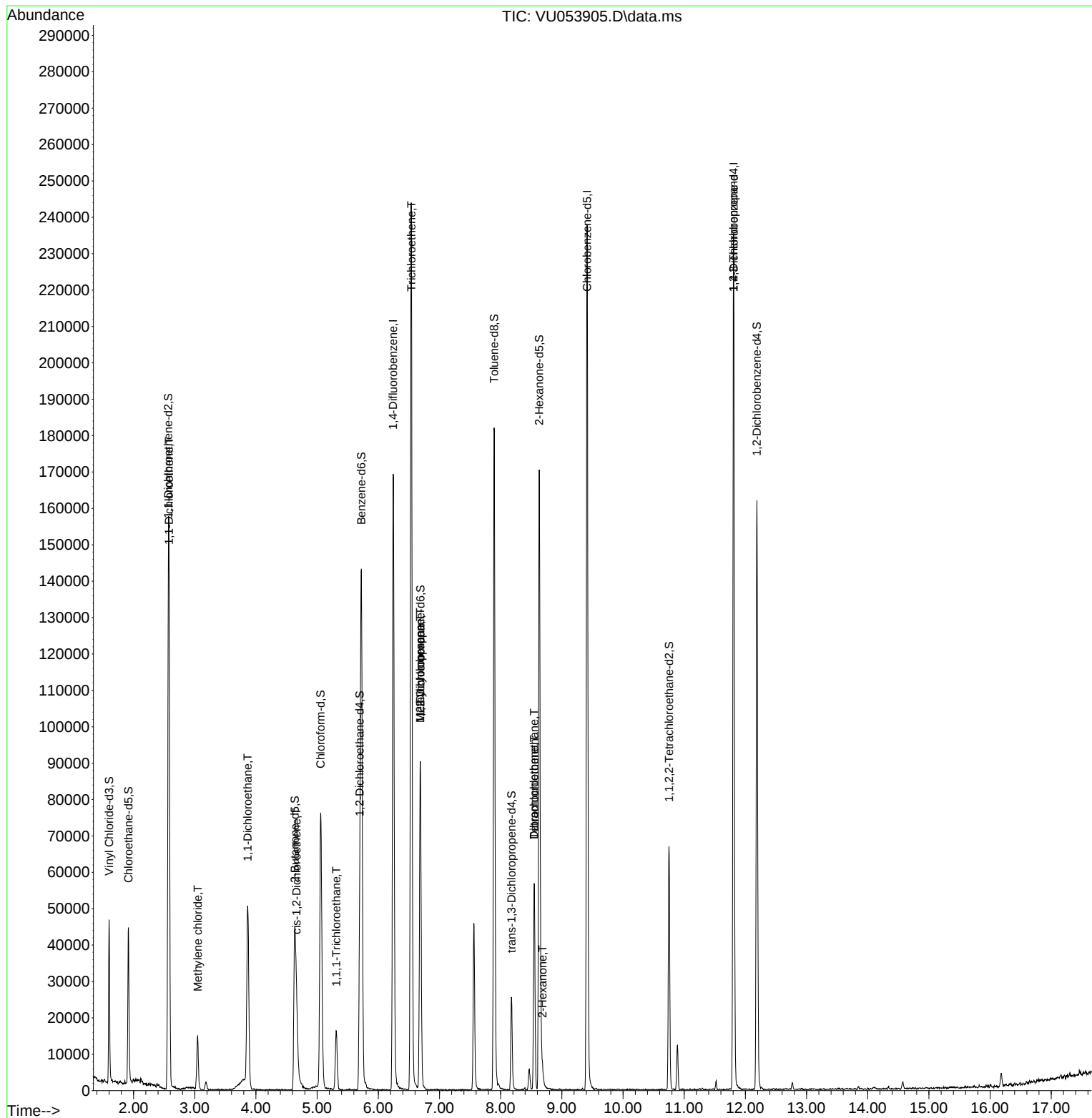
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	146690	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	140430	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	67058	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	33280	3.725	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.916	69	31894	4.253	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.568	65	14847	4.038	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.800%
20) 2-Butanone-d5	4.636	46	78841	48.177	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.360%
24) Chloroform-d	5.057	84	73401	4.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.697	65	35428	4.553	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.722	84	145752	4.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.687	67	45683	4.565	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.893	98	129482	4.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.176	79	15587	3.960	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.200%
46) 2-Hexanone-d5	8.629	63	62789	45.076	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33415	4.131	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	47102	4.379	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.581	96	39325	4.262	ug/L	92
16) Methylene chloride	3.047	84	7727	0.614	ug/L	90
19) 1,1-Dichloroethane	3.864	63	59671	3.536	ug/L	98
22) cis-1,2-Dichloroethene	4.661	96	5665	0.539	ug/L	94
29) 1,1,1-Trichloroethane	5.314	97	12365	0.783	ug/L	94
34) Trichloroethene	6.539	95	84979	7.878	ug/L	98
35) Methylcyclohexane	6.684	83	10137	0.608	ug/L #	21
37) 1,2-Dichloropropane	6.684	63	5089	0.518	ug/L #	87
47) Tetrachloroethene	8.549	164	13711	1.604	ug/L	91
48) 2-Hexanone	8.684	43	2046	0.608	ug/L #	81
49) Dibromochloromethane	8.549	129	12794	1.642	ug/L #	10
61) 1,2,3-Trichloropropane	11.806	75	7740	1.497	ug/L #	65

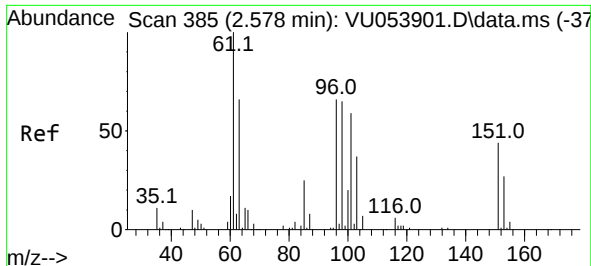
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 27 05:52:18 2023
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#12

1,1-Dichloroethene

Concen: 4.262 ug/L

RT: 2.581 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

Instrument :

MSVOA_U

ClientSampleId :

BHE53DL

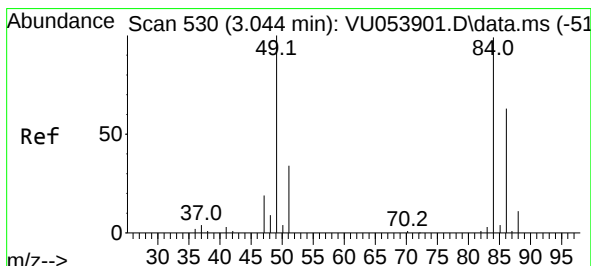
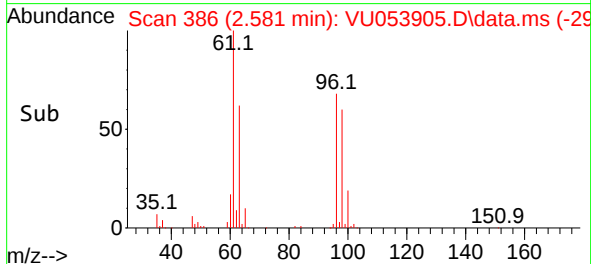
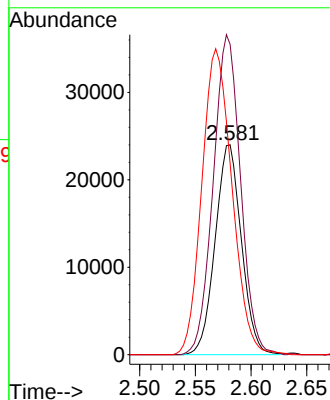
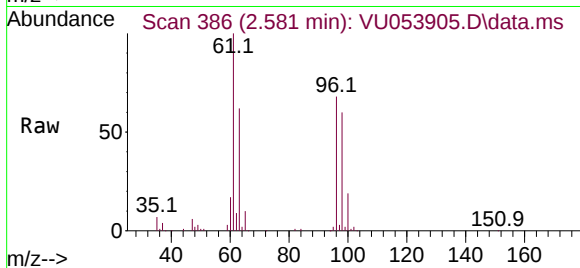
Tgt Ion: 96 Resp: 39325

Ion Ratio Lower Upper

96 100

61 147.8 111.5 207.1

63 91.1 68.7 127.7



#16

Methylene chloride

Concen: 0.614 ug/L

RT: 3.047 min Scan# 531

Delta R.T. 0.003 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

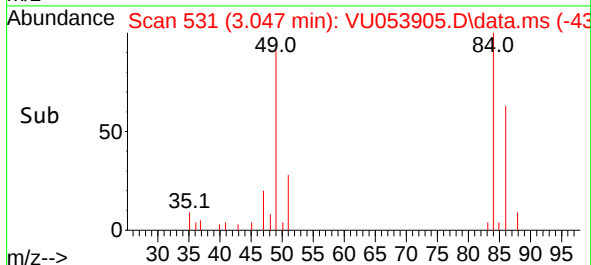
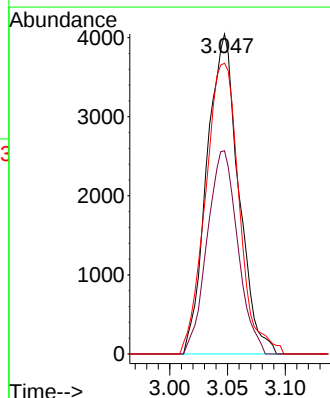
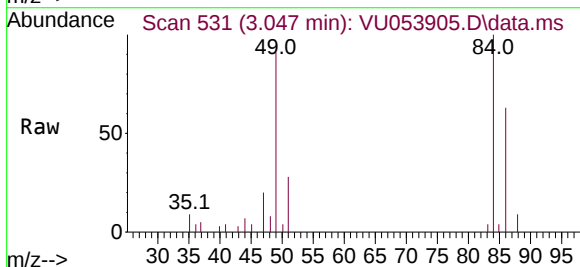
Tgt Ion: 84 Resp: 7727

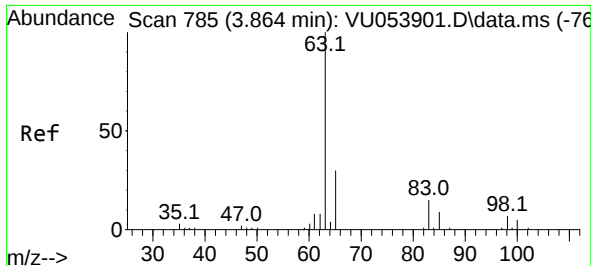
Ion Ratio Lower Upper

84 100

86 63.5 45.0 83.6

49 90.8 74.8 138.8





#19

1,1-Dichloroethane

Concen: 3.536 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

Instrument :

MSVOA_U

ClientSampleId :

BHE53DL

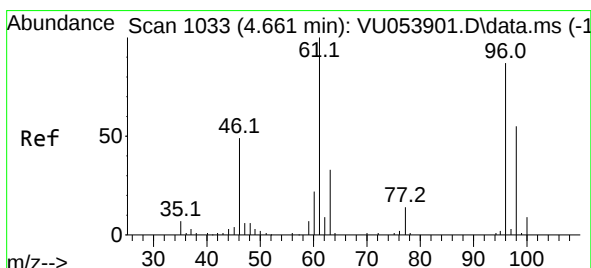
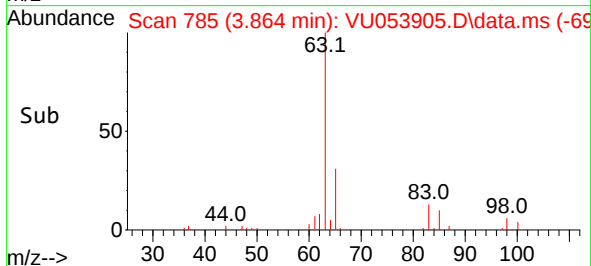
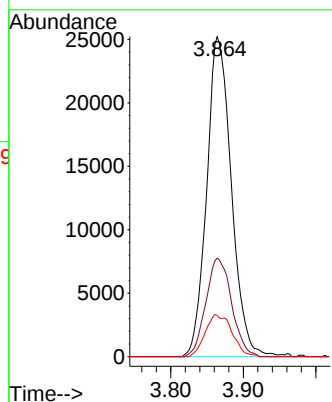
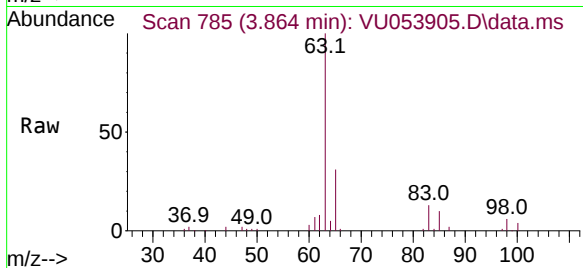
Tgt Ion: 63 Resp: 59671

Ion Ratio Lower Upper

63 100

65 30.8 22.0 40.8

83 12.9 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 0.539 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

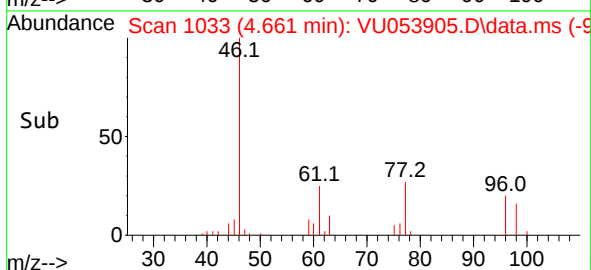
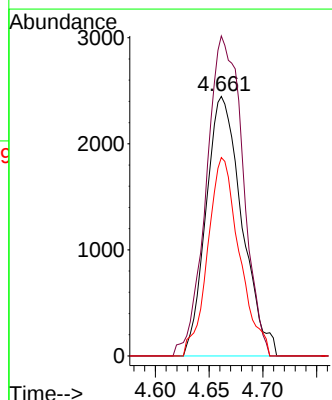
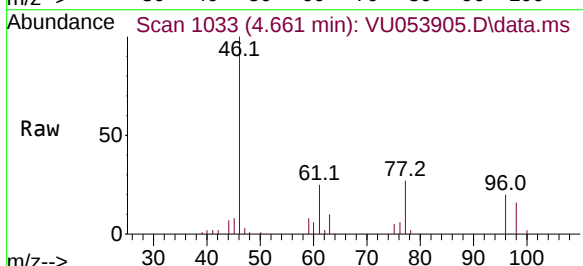
Tgt Ion: 96 Resp: 5665

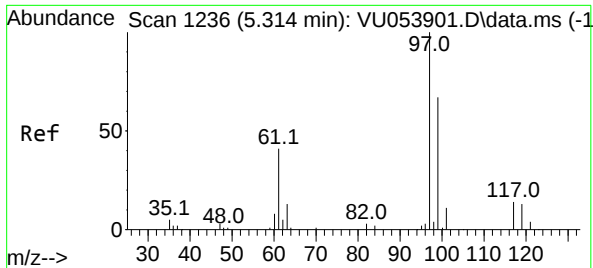
Ion Ratio Lower Upper

96 100

61 123.3 84.3 156.5

98 76.4 46.4 86.2





#29

1,1,1-Trichloroethane

Concen: 0.783 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

Instrument :

MSVOA_U

ClientSampleId :

BHE53DL

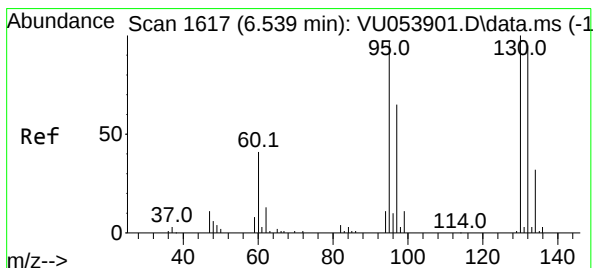
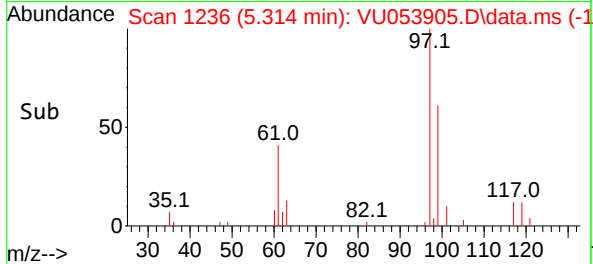
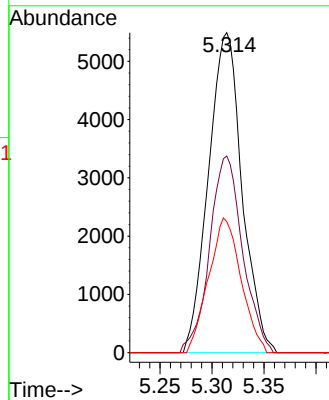
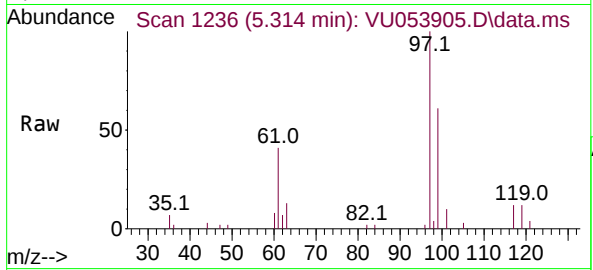
Tgt Ion: 97 Resp: 12365

Ion Ratio Lower Upper

97 100

99 60.3 52.9 79.3

61 40.6 33.8 50.8



#34

Trichloroethene

Concen: 7.878 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

Tgt Ion: 95 Resp: 84979

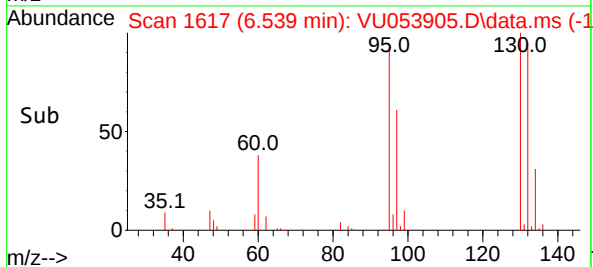
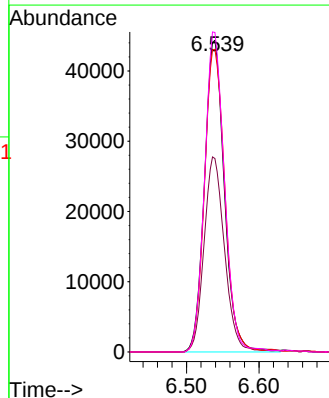
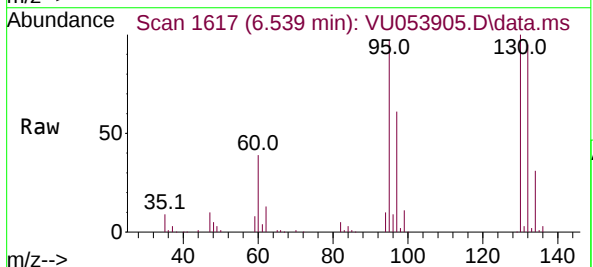
Ion Ratio Lower Upper

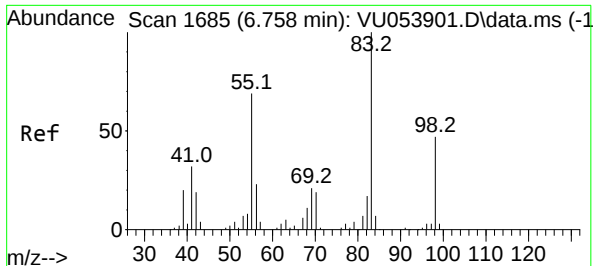
95 100

97 62.1 45.1 83.9

132 97.2 69.9 129.9

130 102.6 71.3 132.3

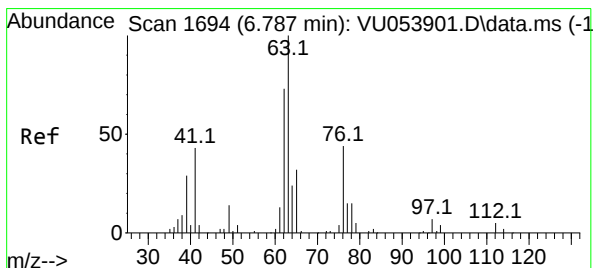
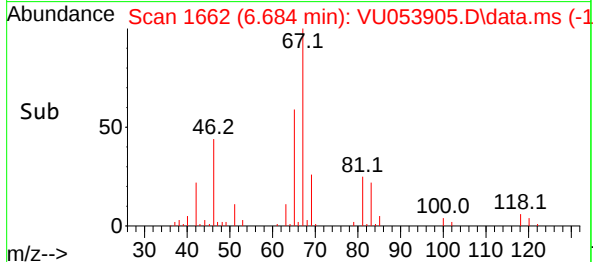
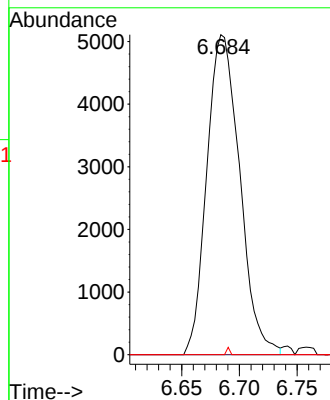
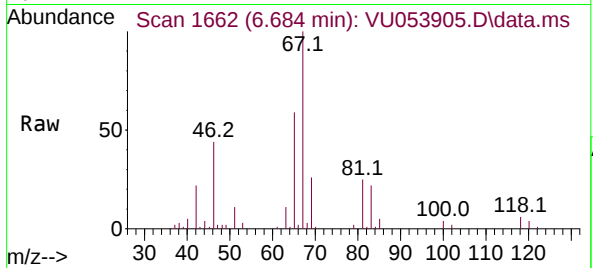




#35
Methylcyclohexane
Concen: 0.608 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.074 min
Lab File: VU053905.D
Acq: 26 Apr 2023 11:45

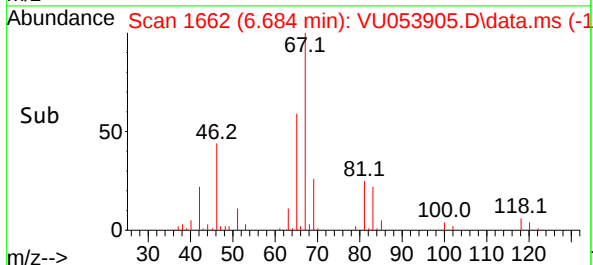
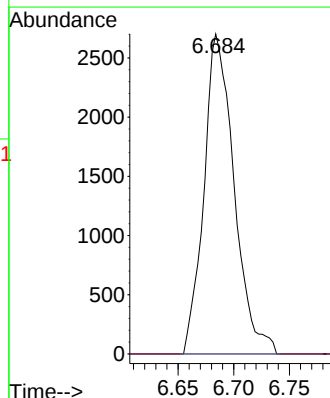
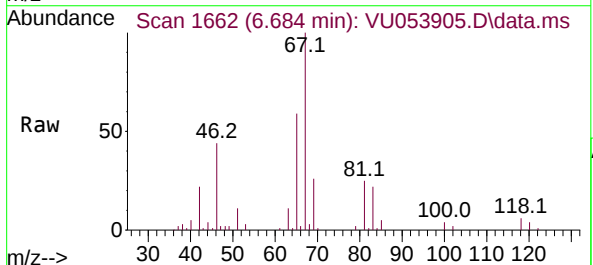
Instrument :
MSVOA_U
ClientSampleId :
BHE53DL

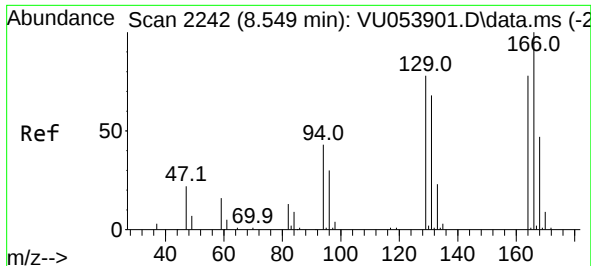
Tgt Ion: 83 Resp: 10137
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.2#
98 0.0 37.3 55.9#



#37
1,2-Dichloropropane
Concen: 0.518 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU053905.D
Acq: 26 Apr 2023 11:45

Tgt Ion: 63 Resp: 5089
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#47

Tetrachloroethene

Concen: 1.604 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

Instrument :

MSVOA_U

ClientSampleId :

BHE53DL

Tgt Ion:164 Resp: 13711

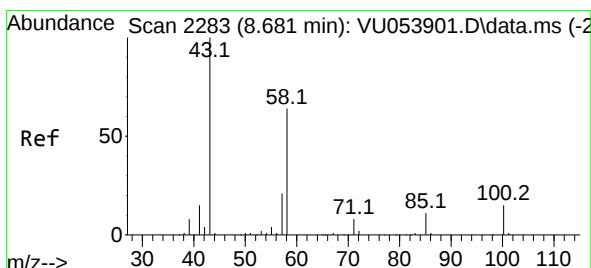
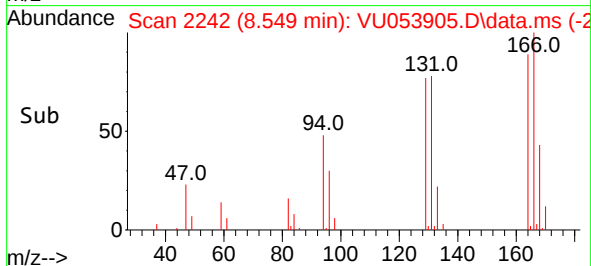
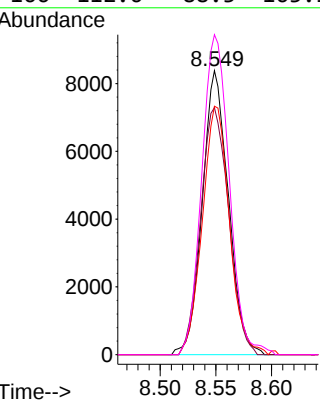
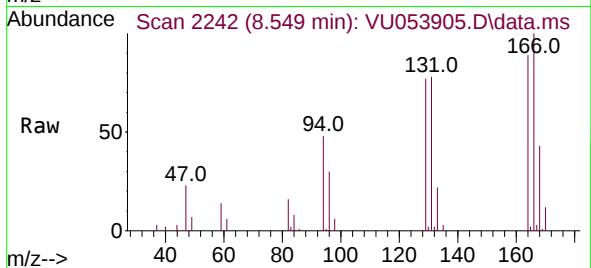
Ion Ratio Lower Upper

164 100

129 87.0 68.3 126.8

131 87.5 64.4 119.6

166 112.6 88.3 163.9



#48

2-Hexanone

Concen: 0.608 ug/L

RT: 8.684 min Scan# 2284

Delta R.T. 0.003 min

Lab File: VU053905.D

Acq: 26 Apr 2023 11:45

Tgt Ion: 43 Resp: 2046

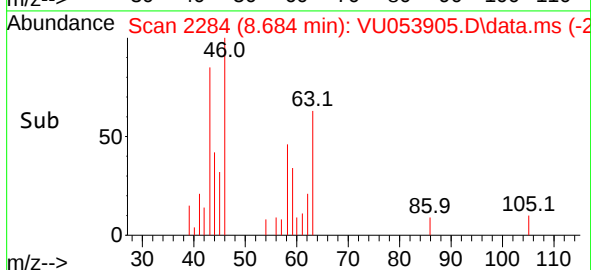
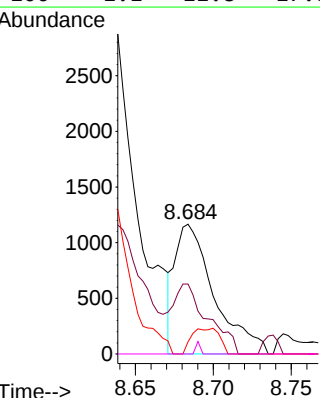
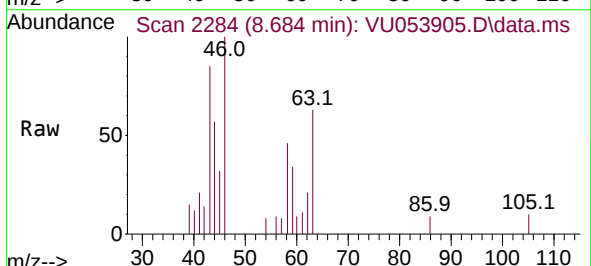
Ion Ratio Lower Upper

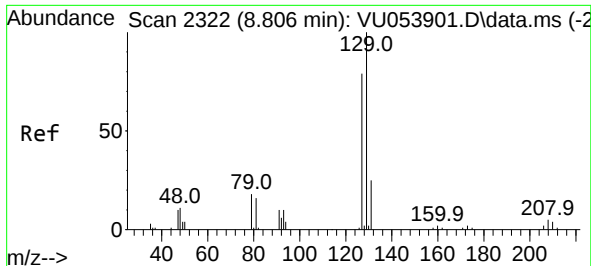
43 100

58 49.7 49.8 74.6#

57 13.9 16.9 25.3#

100 1.1 11.8 17.8#

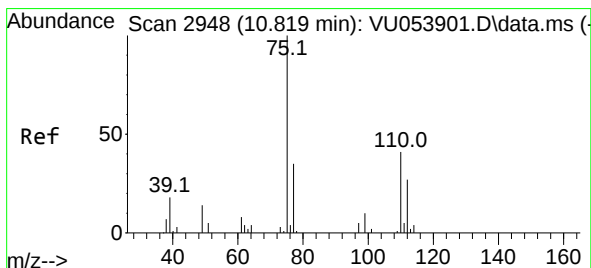
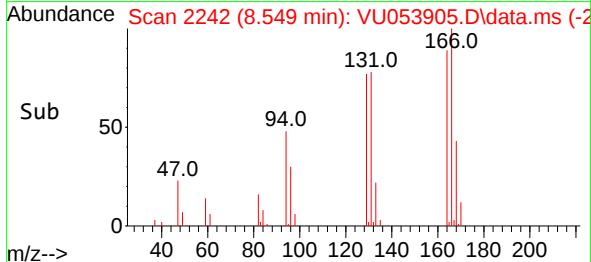
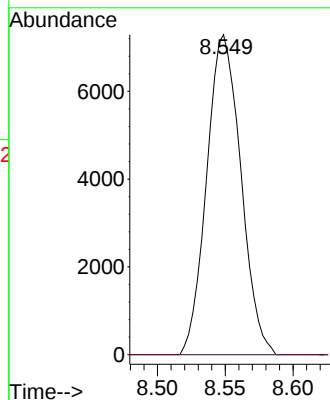
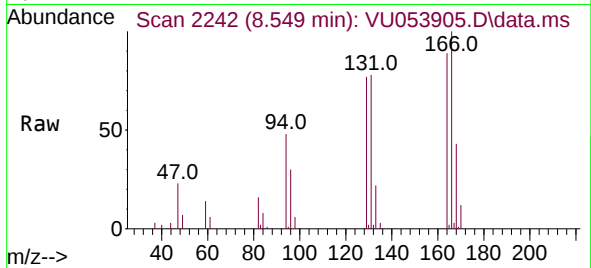




#49
Dibromochloromethane
Concen: 1.642 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
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Acq: 26 Apr 2023 11:45

Instrument :
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ClientSampleId :
BHE53DL

Tgt Ion:129 Resp: 12794
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#



#61
1,2,3-Trichloropropane
Concen: 1.497 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU053905.D
Acq: 26 Apr 2023 11:45

Tgt Ion: 75 Resp: 7740
Ion Ratio Lower Upper
75 100
110 0.0 30.7 46.1#
77 33.5 26.2 39.4

