

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052534.D
 Acq On : 23 Dec 2022 14:02
 Operator : JC/MD
 Sample : N6169-13 40X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQA4

Quant Time: Dec 24 03:55:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	208408	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	191624	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	97336	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	73893	3.500	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.916	69	72914	4.004	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.568	65	33443	3.681	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.600%
20) 2-Butanone-d5	4.639	46	333790	50.980	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.960%
24) Chloroform-d	5.060	84	150389	4.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	5.697	65	87411	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
32) Benzene-d6	5.723	84	317853	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.687	67	110061	4.867	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.893	98	283180	5.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	8.176	79	38340	4.951	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.632	63	238873	56.380	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.760%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	93219	4.855	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	103465	5.221	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
15) Methyl Acetate	2.964	43	8412	0.791	ug/L #	55
16) Methylene chloride	3.044	84	10269	0.466	ug/L	88
30) Cyclohexane	5.385	56	399524	15.329	ug/L	96
35) Methylcyclohexane	6.761	83	347053	14.263	ug/L	97
37) 1,2-Dichloropropane	6.758	63	4054	0.210	ug/L #	92
42) Toluene	7.970	91	12148	0.184	ug/L	99
45) 1,1,2-Trichloroethane	8.366	97	22634	1.659	ug/L #	19
48) 2-Hexanone	8.632	43	38454	3.625	ug/L #	58
52) Ethylbenzene	9.565	91	429182	6.267	ug/L	100
53) m,p-Xylene	9.690	106	64422	2.551	ug/L	95
60) Isopropylbenzene	10.478	105	121614	1.928	ug/L	99
61) 1,2,3-Trichloropropane	10.899	75	2597	0.186	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.086	105	34038	0.654	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	7608	0.145	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.970	75	1119	0.354	ug/L #	7
71) Naphthalene	14.082	128	47699	1.215	ug/L #	95

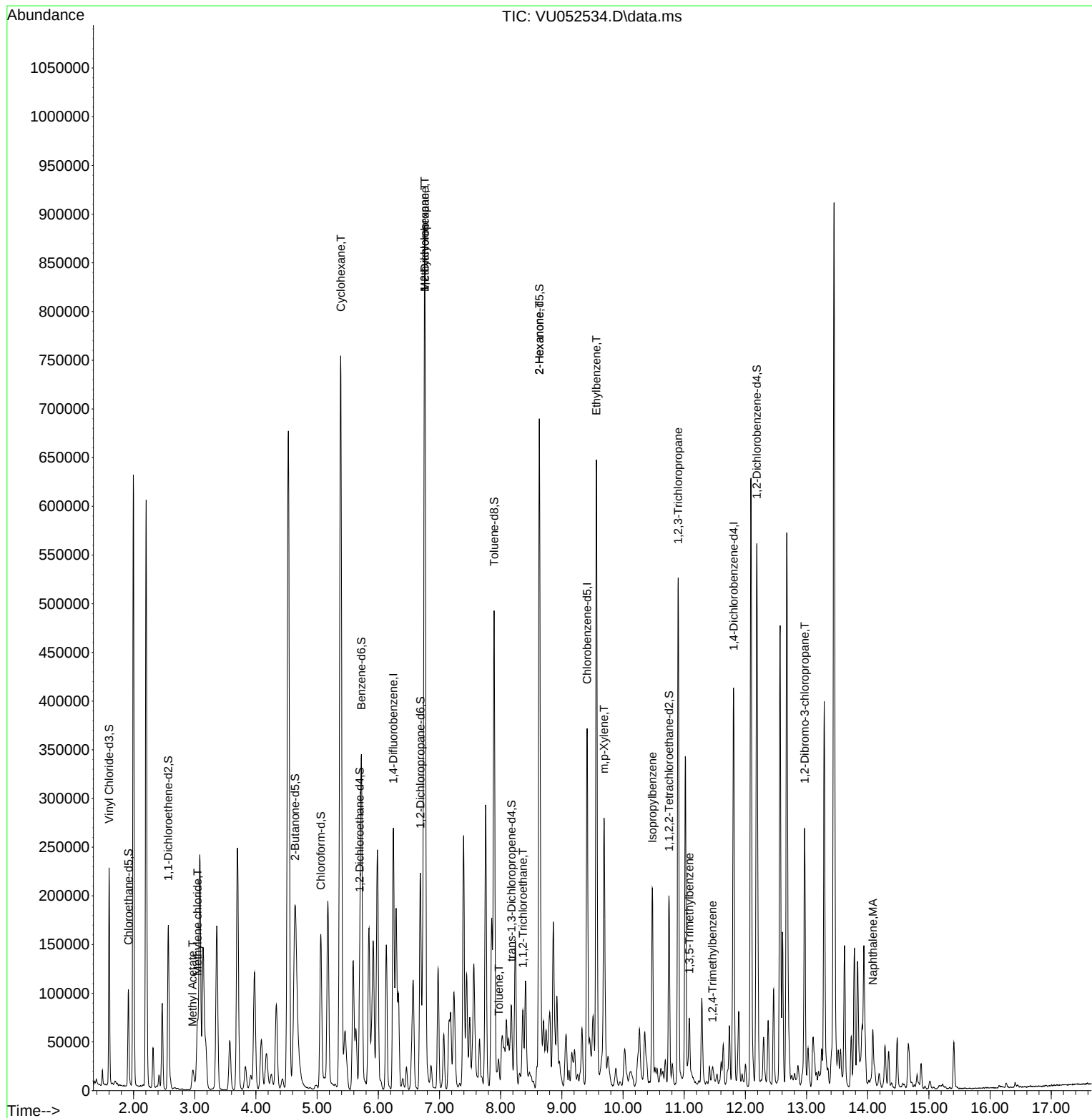
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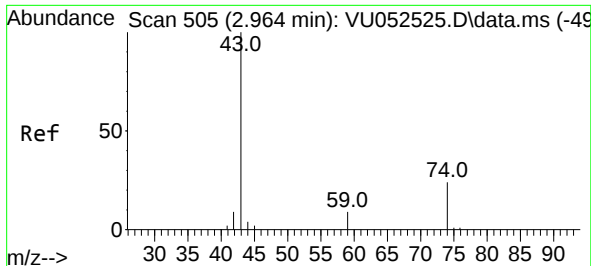
Instrument :
MSVOA_U
ClientSampleId :
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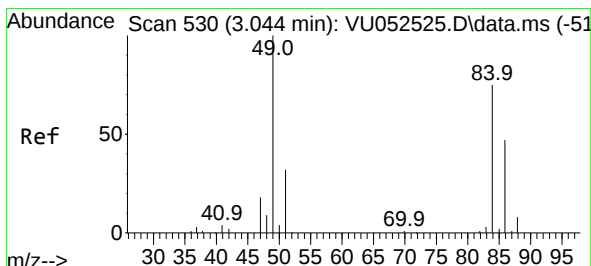
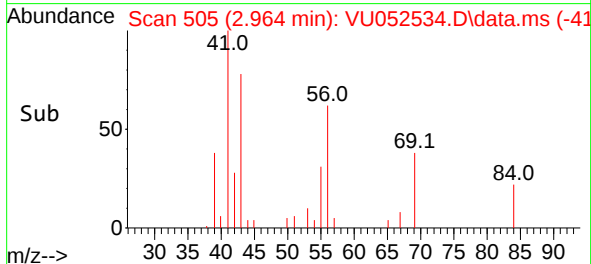
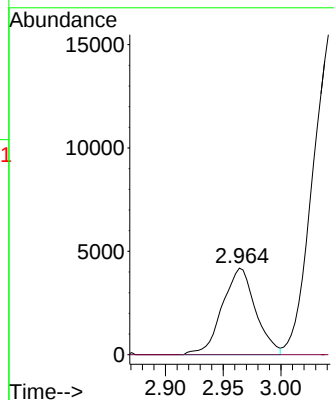
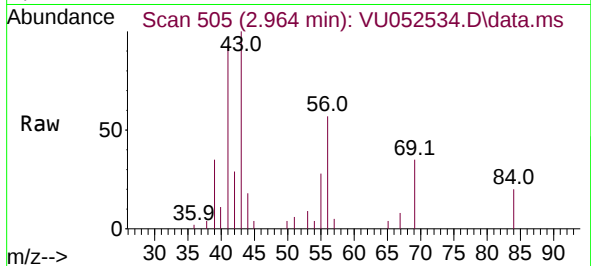




#15
Methyl Acetate
Concen: 0.791 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.000 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

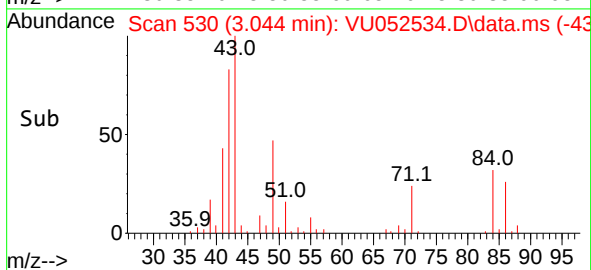
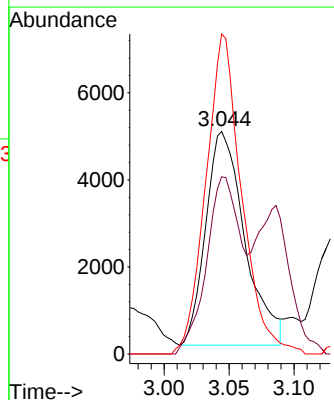
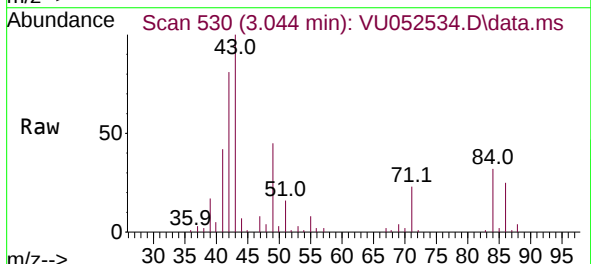
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MSVOA_U
ClientSampleId :
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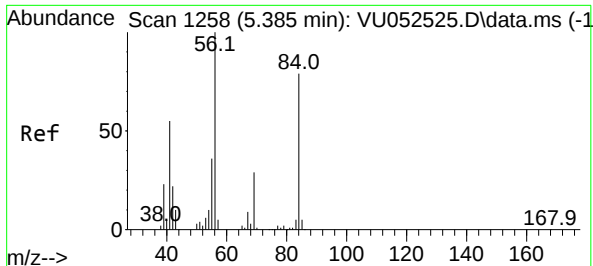
Tgt Ion: 43 Resp: 8412
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#16
Methylene chloride
Concen: 0.466 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

Tgt Ion: 84 Resp: 10269
Ion Ratio Lower Upper
84 100
86 79.6 44.7 83.1
49 143.8 93.3 173.3





#30

Cyclohexane

Concen: 15.329 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052534.D

Acq: 23 Dec 2022 14:02

Instrument :

MSVOA_U

ClientSampleId :

GBQA4

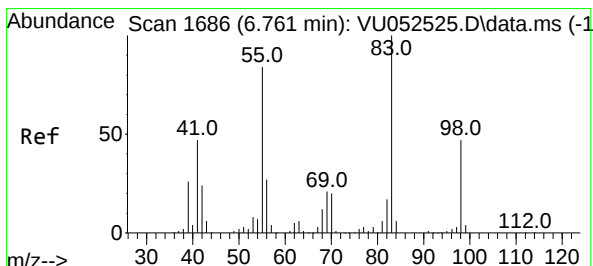
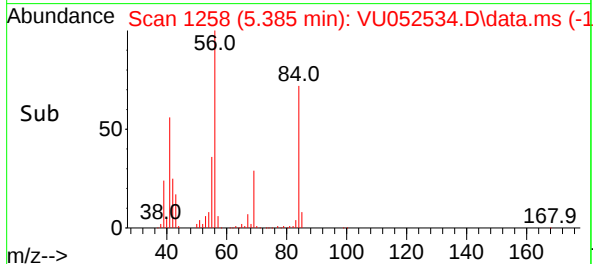
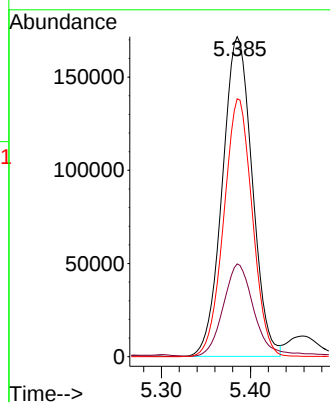
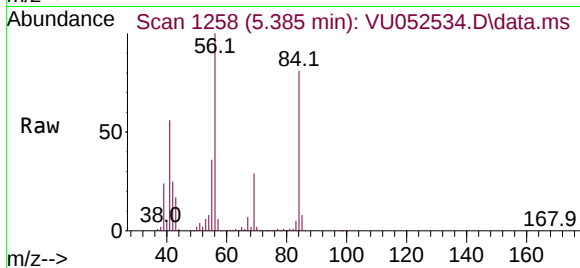
Tgt Ion: 56 Resp: 399524

Ion Ratio Lower Upper

56 100

69 30.8 23.0 34.6

84 77.2 64.4 96.6



#35

Methylcyclohexane

Concen: 14.263 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU052534.D

Acq: 23 Dec 2022 14:02

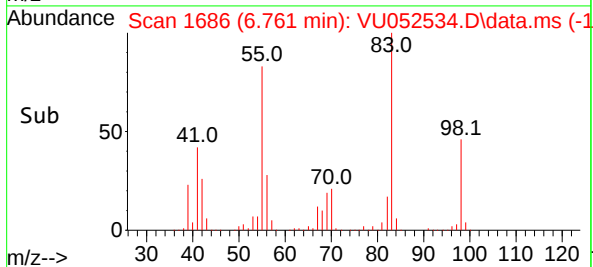
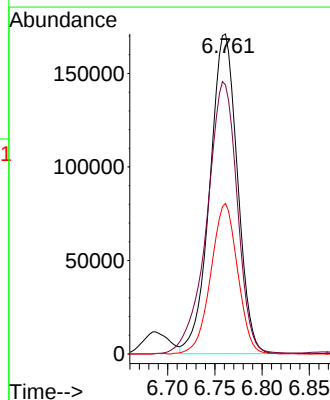
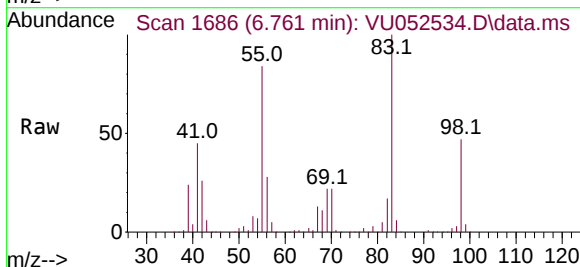
Tgt Ion: 83 Resp: 347053

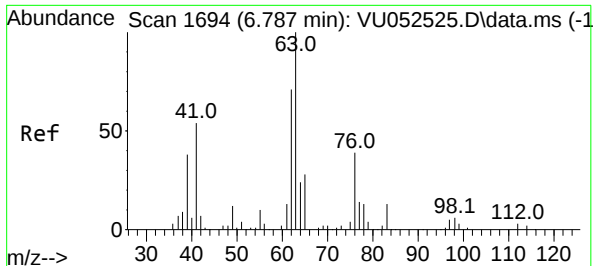
Ion Ratio Lower Upper

83 100

55 93.9 71.4 107.0

98 45.8 36.5 54.7





#37

1,2-Dichloropropane

Concen: 0.210 ug/L

RT: 6.758 min Scan# 1

Delta R.T. -0.029 min

Lab File: VU052534.D

Acq: 23 Dec 2022 14:02

Instrument :

MSVOA_U

ClientSampleId :

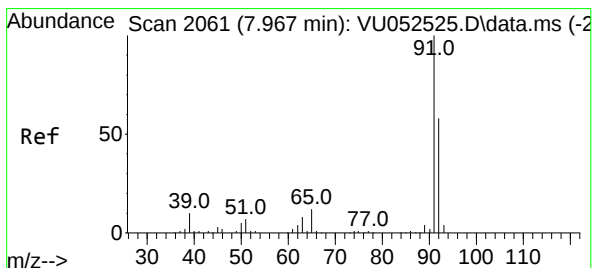
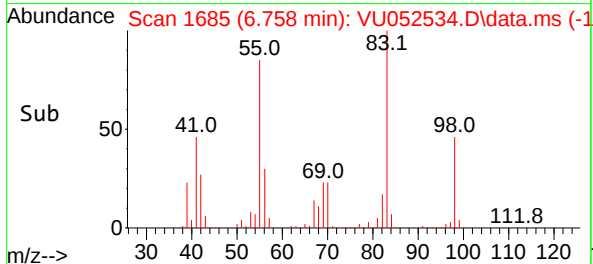
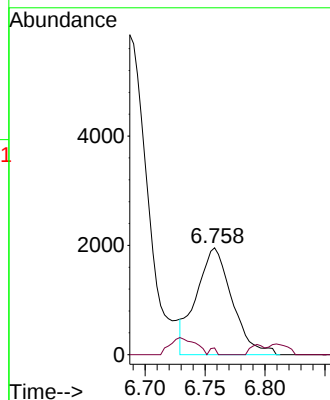
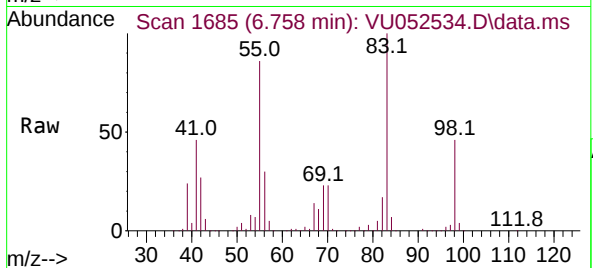
GBQA4

Tgt Ion: 63 Resp: 4054

Ion Ratio Lower Upper

63 100

112 1.1 3.0 4.6#



#42

Toluene

Concen: 0.184 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU052534.D

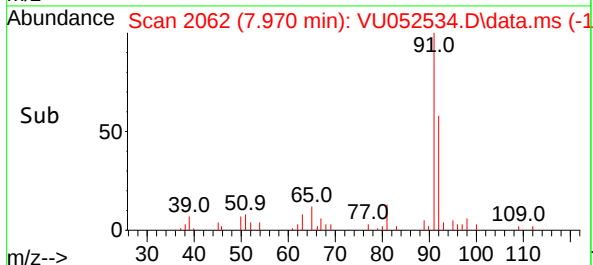
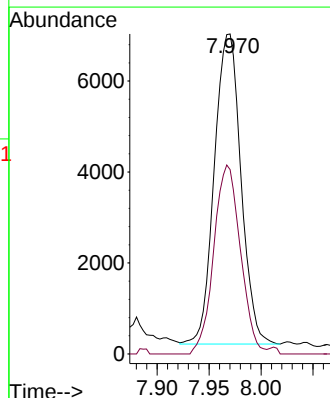
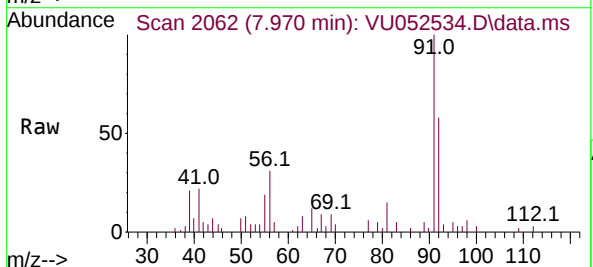
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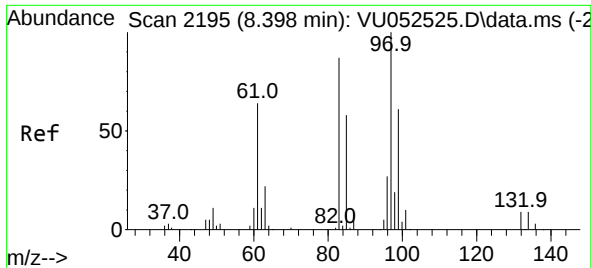
Tgt Ion: 91 Resp: 12148

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4

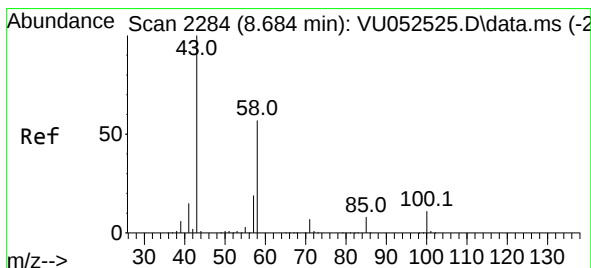
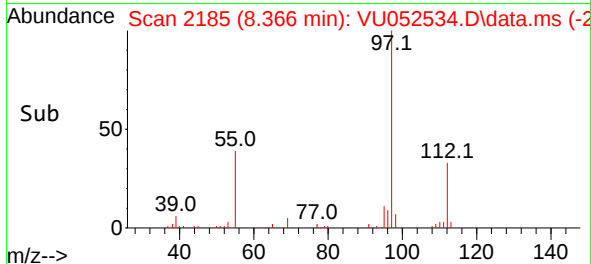
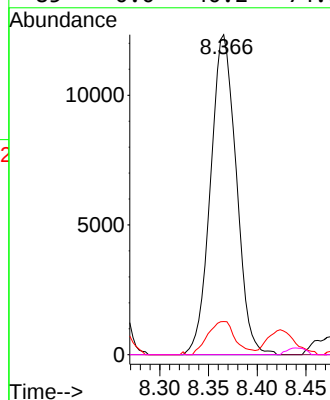
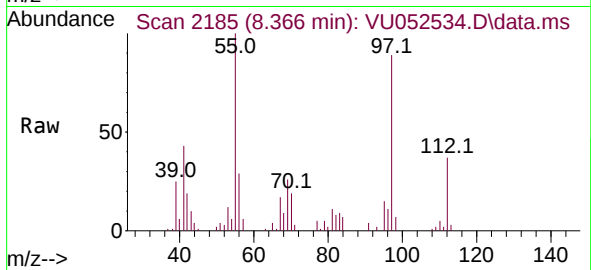




#45
1,1,2-Trichloroethane
Concen: 1.659 ug/L
RT: 8.366 min Scan# 2195
Delta R.T. -0.032 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

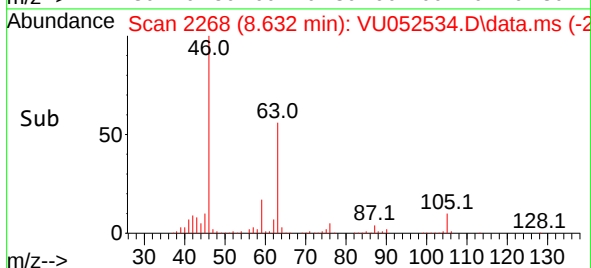
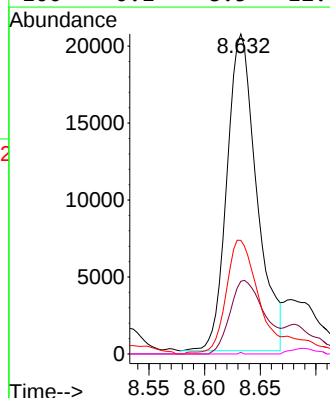
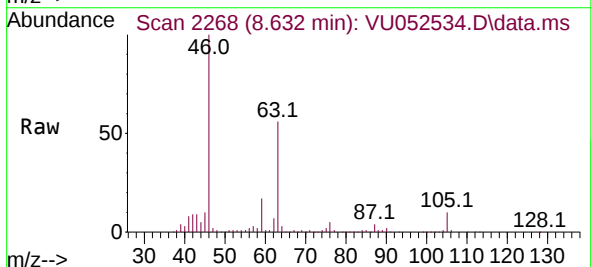
Instrument :
MSVOA_U
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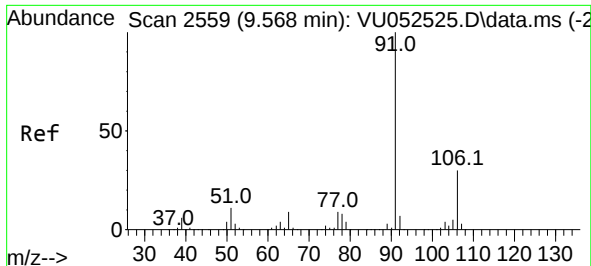
Tgt Ion: 97	Resp: 22634
Ion Ratio	Lower Upper
97 100	
99 0.0	42.0 78.0#
83 10.4	63.2 117.4#
85 0.0	40.2 74.6#



#48
2-Hexanone
Concen: 3.625 ug/L
RT: 8.632 min Scan# 2268
Delta R.T. -0.051 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

Tgt	Ion: 43	Resp:	38454
Ion	Ratio	Lower	Upper
43	100		
58	26.8	44.1	66.1#
57	44.1	14.6	21.8#
100	0.1	8.5	12.7#

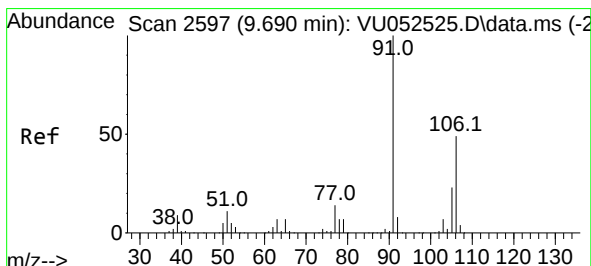
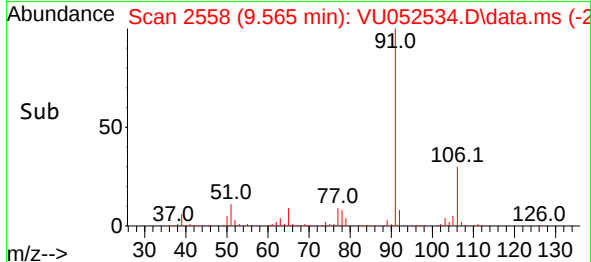
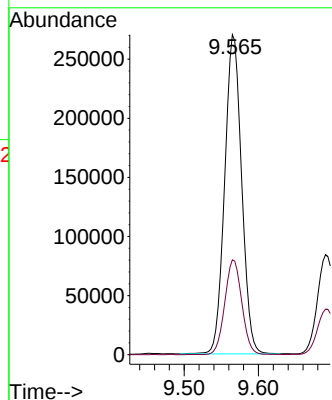
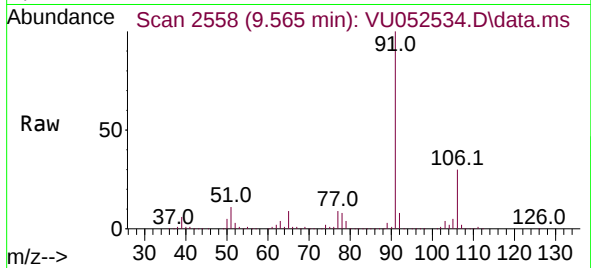




#52
Ethylbenzene
Concen: 6.267 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

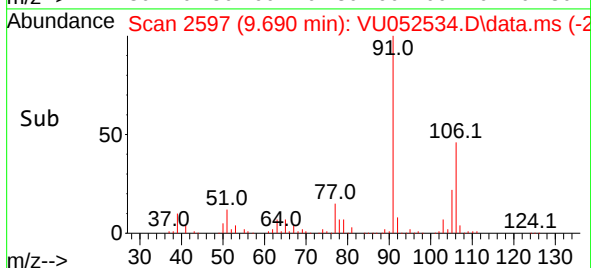
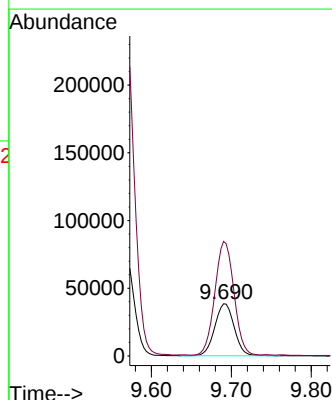
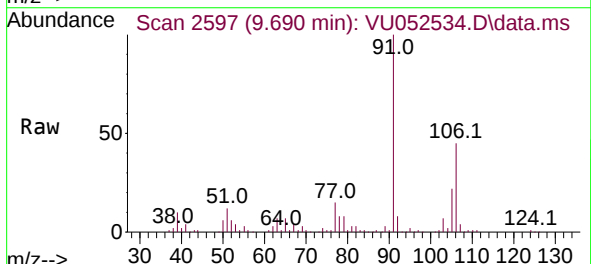
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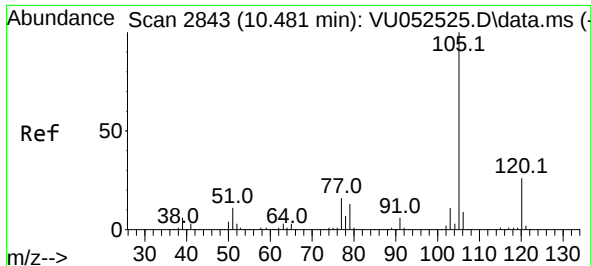
Tgt Ion: 91 Resp: 429182
Ion Ratio Lower Upper
91 100
106 29.7 20.9 38.7



#53
m,p-Xylene
Concen: 2.551 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

Tgt Ion: 106 Resp: 64422
Ion Ratio Lower Upper
106 100
91 219.8 148.2 275.2

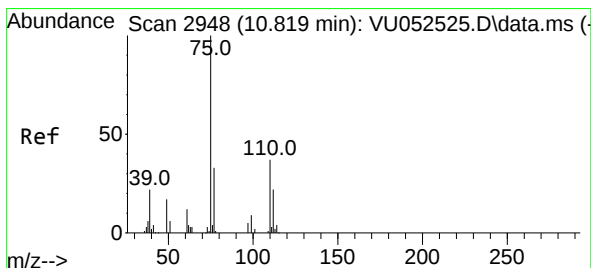
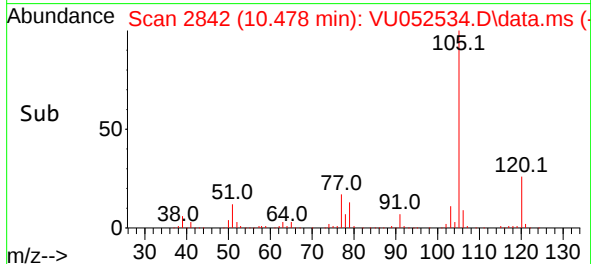
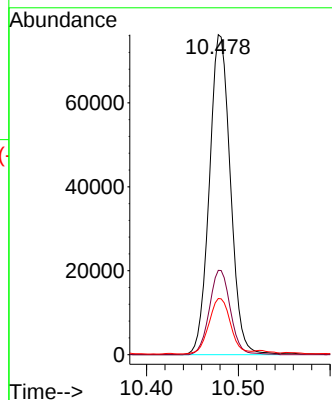
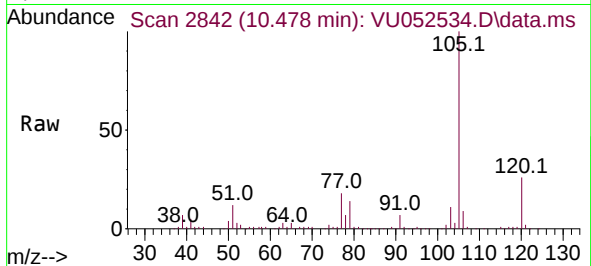




#60
Isopropylbenzene
Concen: 1.928 ug/L
RT: 10.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

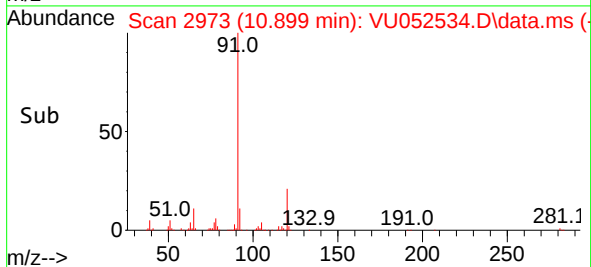
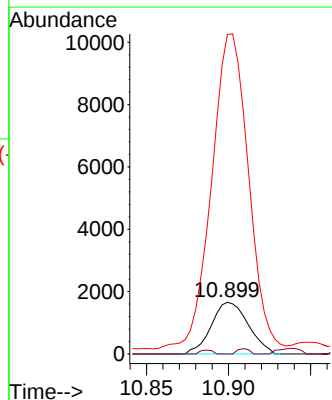
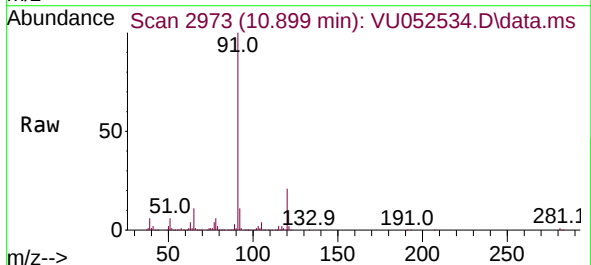
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ClientSampleId :
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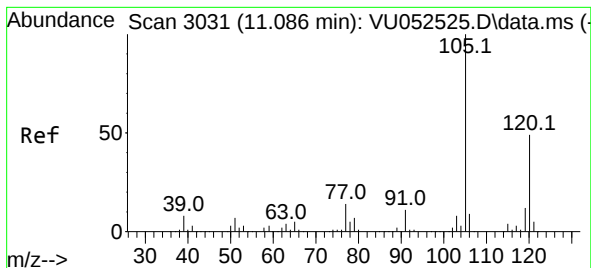
Tgt Ion:105 Resp: 121614
Ion Ratio Lower Upper
105 100
120 26.4 20.6 31.0
77 17.7 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 0.186 ug/L
RT: 10.899 min Scan# 2973
Delta R.T. 0.080 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

Tgt Ion: 75 Resp: 2597
Ion Ratio Lower Upper
75 100
110 0.0 27.9 41.9#
77 604.8 25.9 38.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.654 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052534.D

Acq: 23 Dec 2022 14:02

Instrument :

MSVOA_U

ClientSampleId :

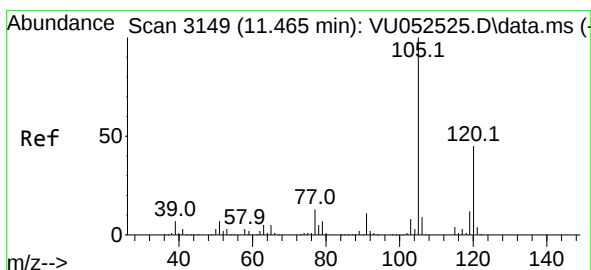
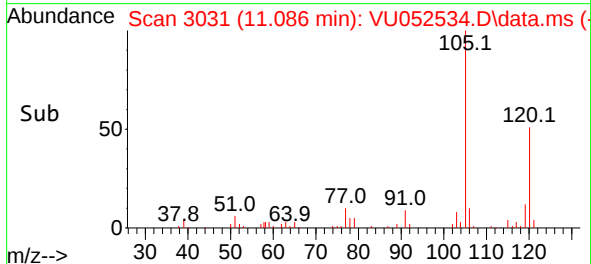
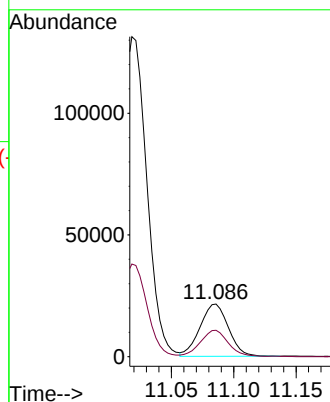
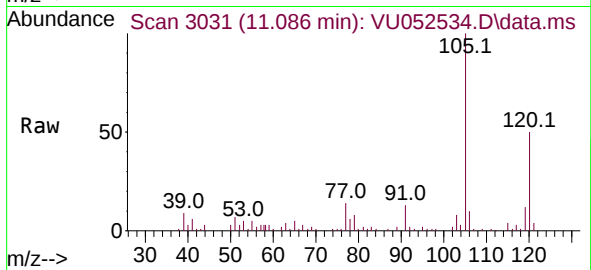
GBQA4

Tgt Ion:105 Resp: 34038

Ion Ratio Lower Upper

105 100

120 48.4 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.145 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052534.D

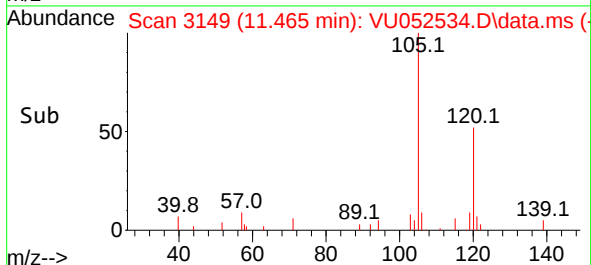
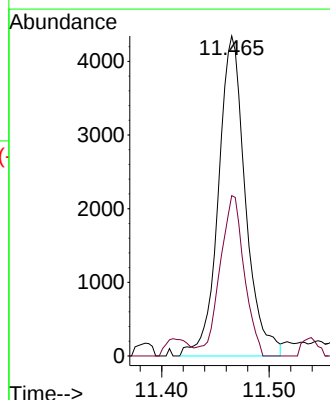
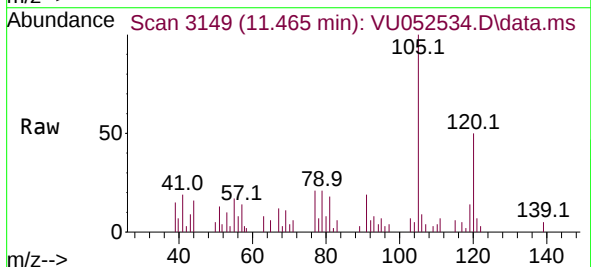
Acq: 23 Dec 2022 14:02

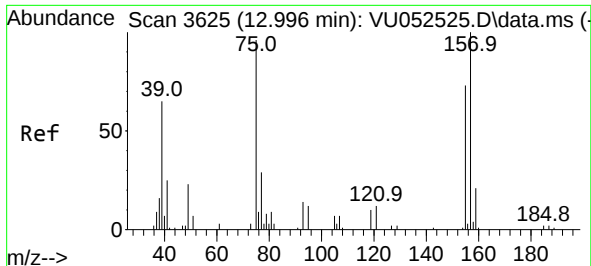
Tgt Ion:105 Resp: 7608

Ion Ratio Lower Upper

105 100

120 45.0 35.6 53.4

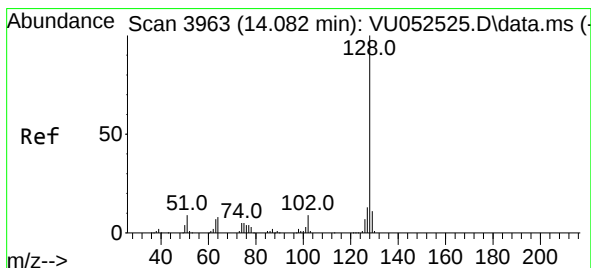
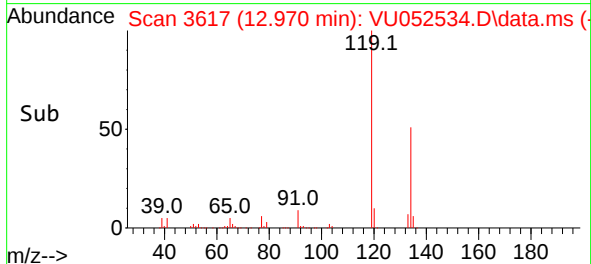
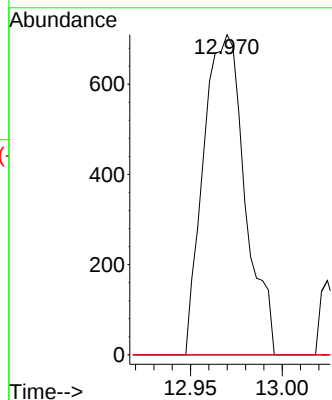
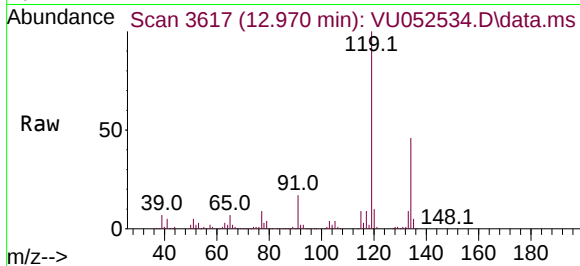




#68
1,2-Dibromo-3-chloropropane
Concen: 0.354 ug/L
RT: 12.970 min Scan# 3617
Delta R.T. -0.026 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

Instrument :
MSVOA_U
ClientSampleId :
GBQA4

Tgt Ion: 75 Resp: 1119
Ion Ratio Lower Upper
75 100
155 0.0 62.2 93.2#
157 0.0 73.0 109.4#



#71
Naphthalene
Concen: 1.215 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052534.D
Acq: 23 Dec 2022 14:02

Tgt Ion: 128 Resp: 47699
Ion Ratio Lower Upper
128 100
129 14.5 8.7 13.1#
127 14.2 10.6 16.0

