

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020623\
 Data File : VU052977.D
 Acq On : 06 Feb 2023 13:52
 Operator : JC/MD
 Sample : 01422-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B46

Quant Time: Feb 07 01:05:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 05 21:58:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	147219	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	145926	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	68774	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	37466	2.897	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.000%
7) Chloroethane-d5	1.916	69	42724	4.055	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.000%
11) 1,1-Dichloroethene-d2	2.559	65	20950	3.678	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.600%
20) 2-Butanone-d5	4.649	46	132881	38.425	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.840%
24) Chloroform-d	5.057	84	106728	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.697	65	53586	4.325	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	5.722	84	194393	4.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.687	67	61047	3.873	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.400%
41) Toluene-d8	7.896	98	155282	3.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	8.176	79	21498	3.668	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.642	63	99478	40.857	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.720%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	54393	4.507	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	70188	5.606	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.200%

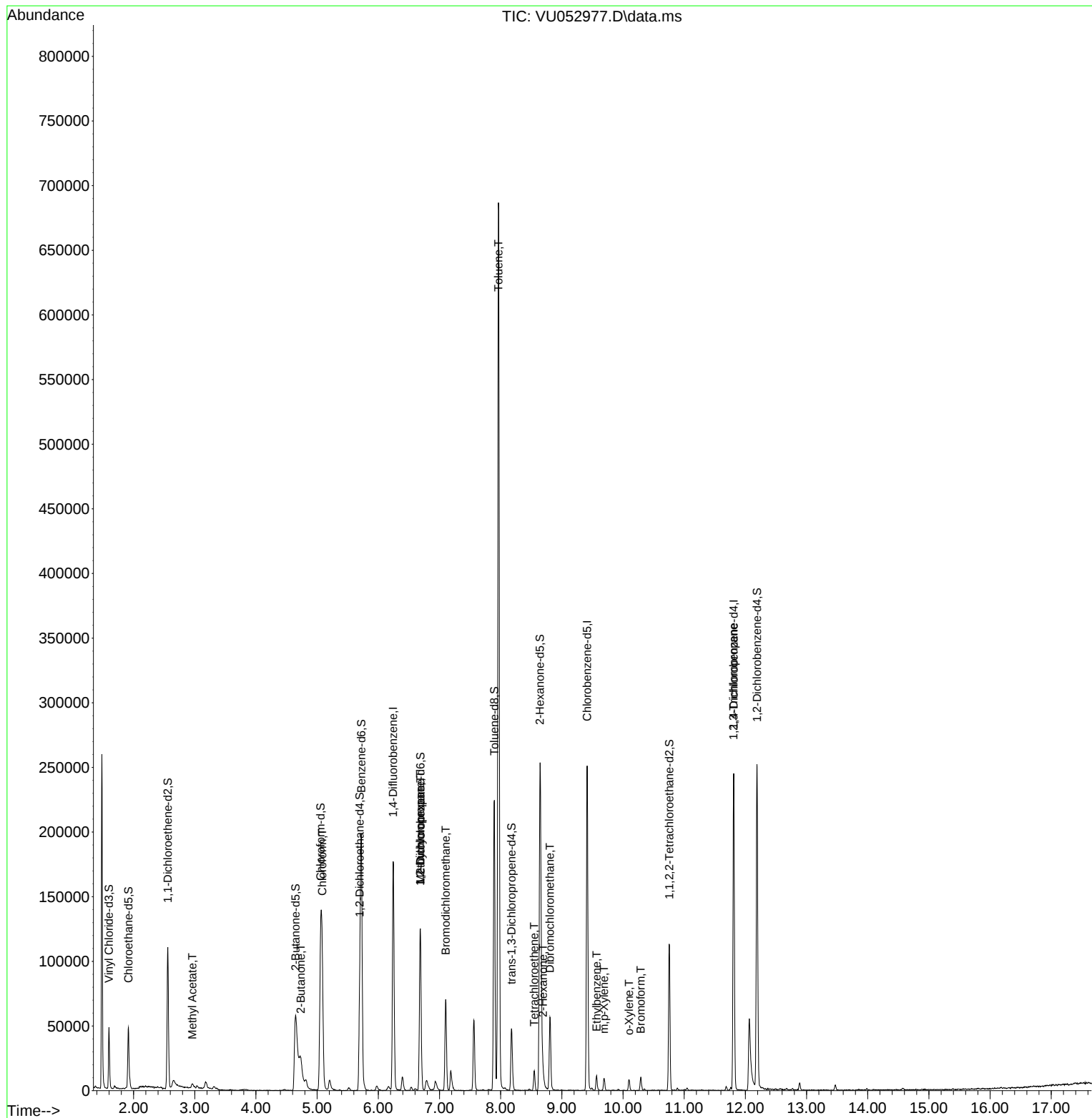
Target Compounds				Qvalue		
15) Methyl Acetate	2.960	43	4221	0.710	ug/L	95
21) 2-Butanone	4.735	43	39804	9.970	ug/L	79
25) Chloroform	5.083	83	80069	3.013	ug/L	99
35) Methylcyclohexane	6.687	83	15337	0.680	ug/L #	16
37) 1,2-Dichloropropane	6.684	63	6403	0.413	ug/L #	90
38) Bromodichloromethane	7.102	83	45944	2.517	ug/L	98
42) Toluene	7.963	91	514607	8.944	ug/L	98
47) Tetrachloroethene	8.549	164	3773	0.375	ug/L	79
48) 2-Hexanone	8.690	43	4834	0.745	ug/L #	46
49) Dibromochloromethane	8.806	129	29858	2.649	ug/L	97
52) Ethylbenzene	9.568	91	8112	0.138	ug/L	95
53) m,p-Xylene	9.690	106	3148	0.142	ug/L	95
54) o-Xylene	10.098	106	2606	0.123	ug/L	88
59) Bromoform	10.288	173	4769	0.892	ug/L	97
61) 1,2,3-Trichloropropane	11.806	75	7235	0.905	ug/L #	65

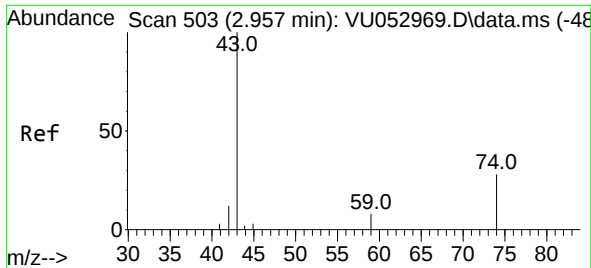
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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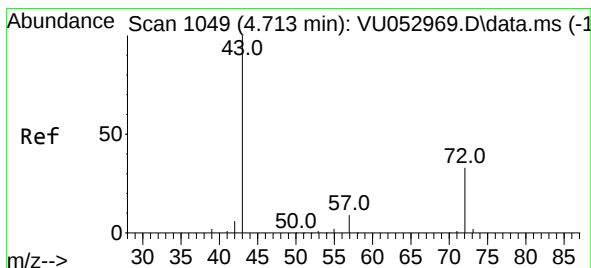
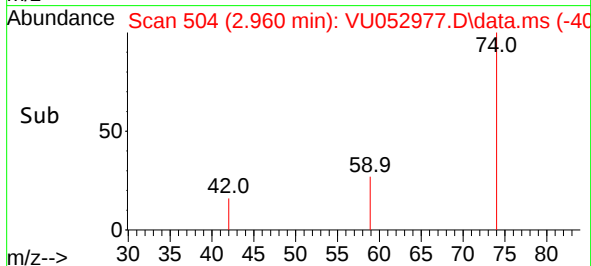
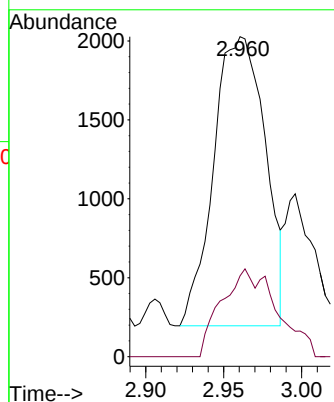
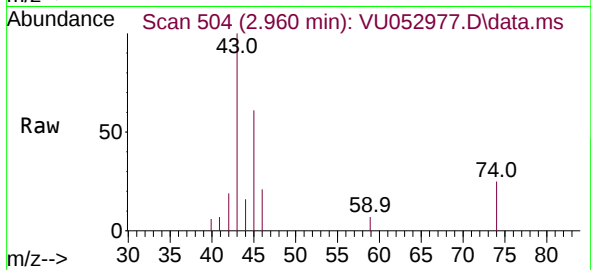




#15
Methyl Acetate
Concen: 0.710 ug/L
RT: 2.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU052977.D
Acq: 06 Feb 2023 13:52

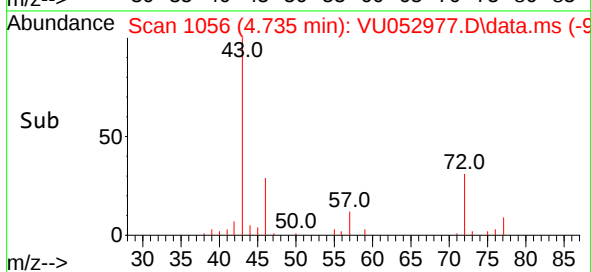
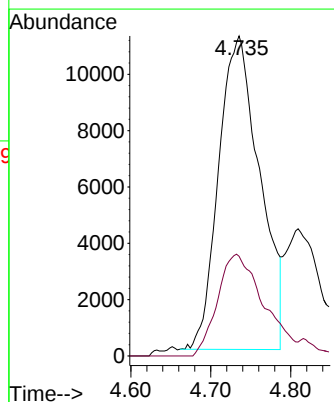
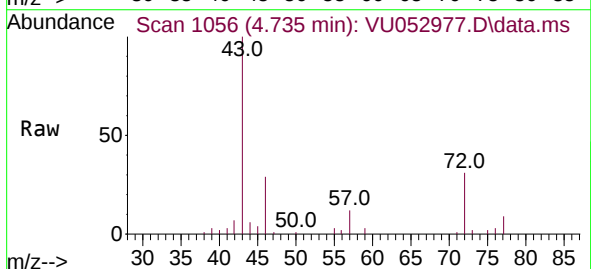
Instrument :
MSVOA_U
ClientSampleId :
C0B46

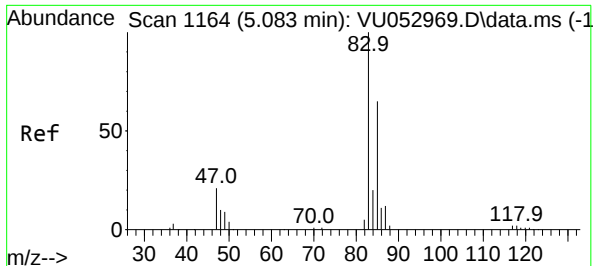
Tgt Ion: 43 Resp: 4221
Ion Ratio Lower Upper
43 100
74 19.4 17.5 26.3



#21
2-Butanone
Concen: 9.970 ug/L
RT: 4.735 min Scan# 1056
Delta R.T. 0.022 min
Lab File: VU052977.D
Acq: 06 Feb 2023 13:52

Tgt Ion: 43 Resp: 39804
Ion Ratio Lower Upper
43 100
72 36.5 12.9 38.6





#25

Chloroform

Concen: 3.013 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

Instrument :

MSVOA_U

ClientSampleId :

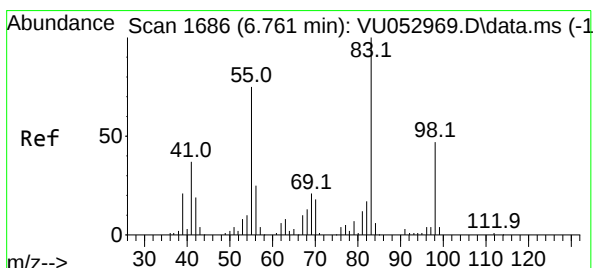
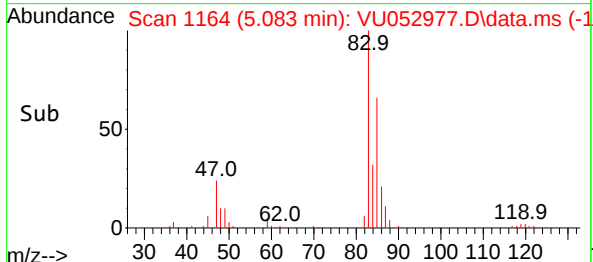
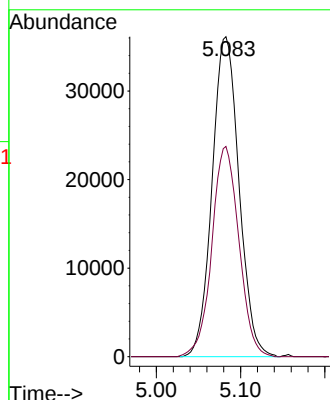
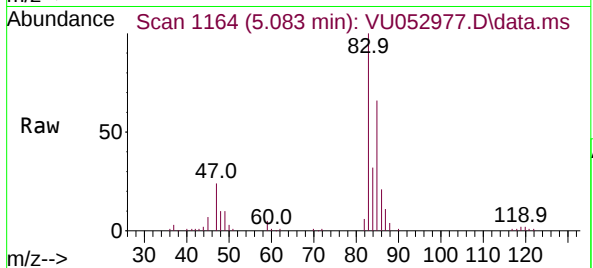
C0B46

Tgt Ion: 83 Resp: 80069

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.6



#35

Methylcyclohexane

Concen: 0.680 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.071 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

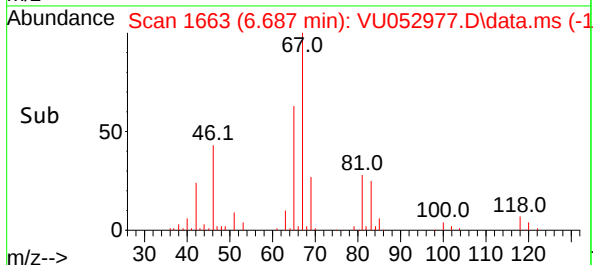
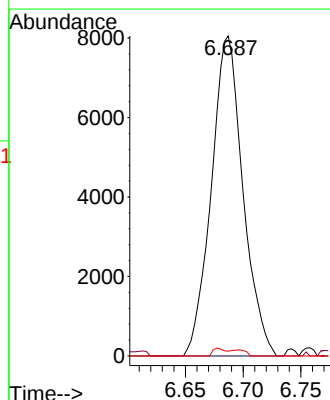
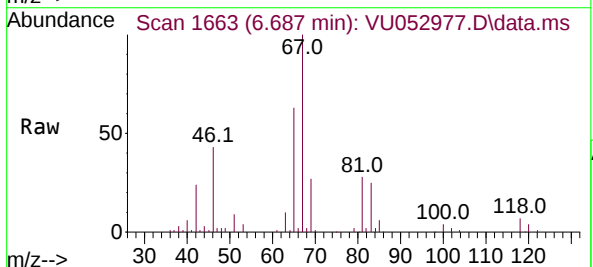
Tgt Ion: 83 Resp: 15337

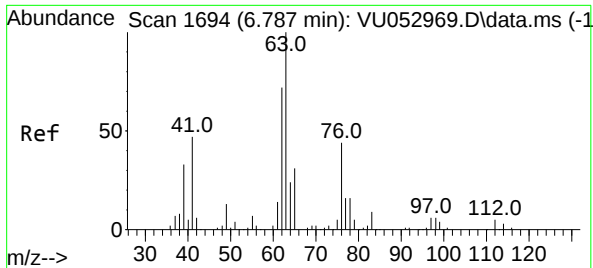
Ion Ratio Lower Upper

83 100

55 0.8 67.6 101.4#

98 0.9 37.1 55.7#





#37

1,2-Dichloropropane

Concen: 0.413 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

Instrument :

MSVOA_U

ClientSampleId :

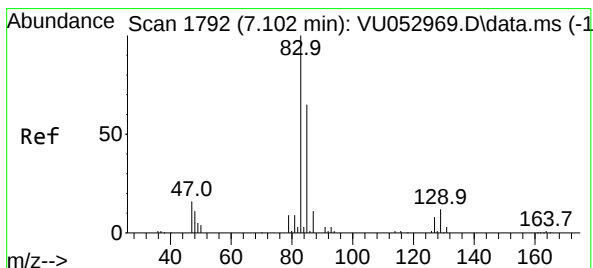
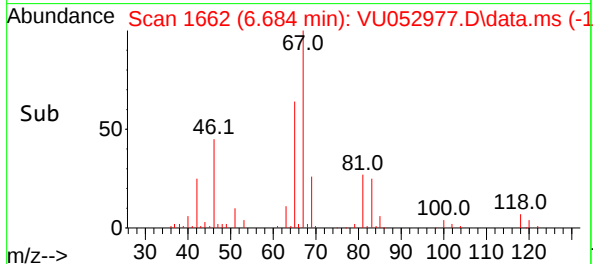
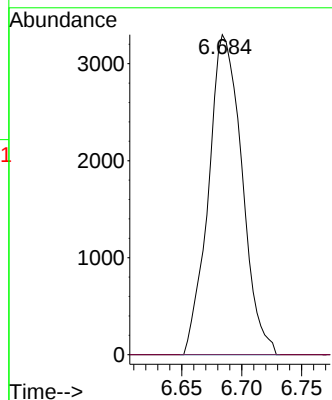
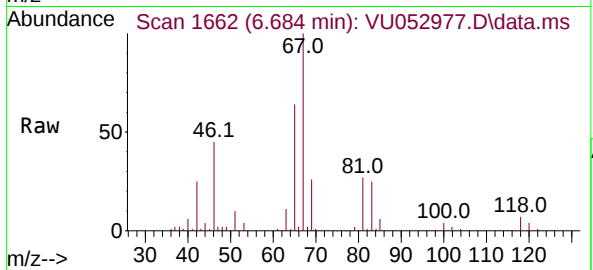
C0B46

Tgt Ion: 63 Resp: 6403

Ion Ratio Lower Upper

63 100

112 0.3 2.9 4.3#



#38

Bromodichloromethane

Concen: 2.517 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

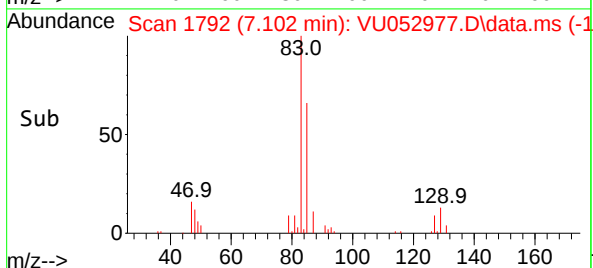
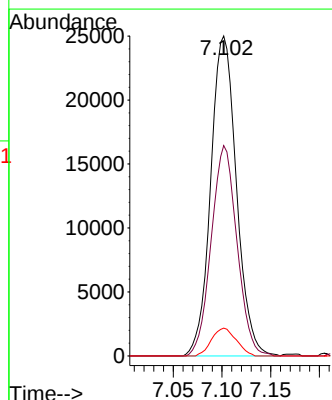
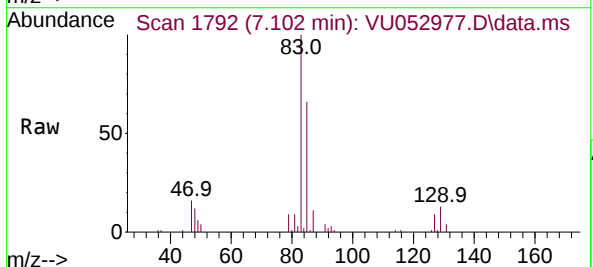
Tgt Ion: 83 Resp: 45944

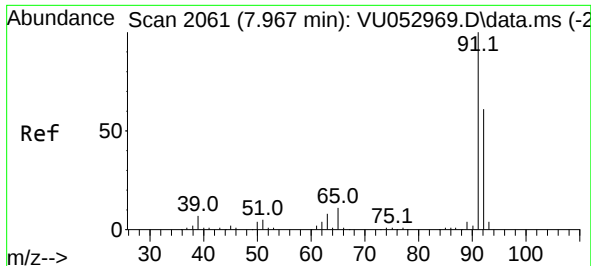
Ion Ratio Lower Upper

83 100

85 65.7 47.0 87.4

127 8.7 6.9 10.3





#42

Toluene

Concen: 8.944 ug/L

RT: 7.963 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

Instrument :

MSVOA_U

ClientSampleId :

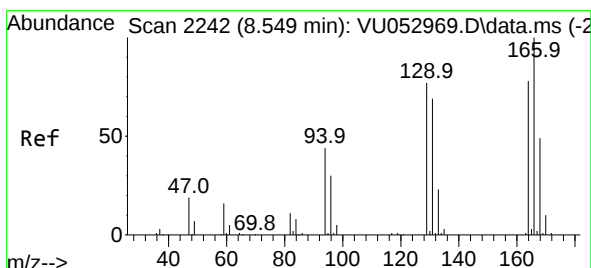
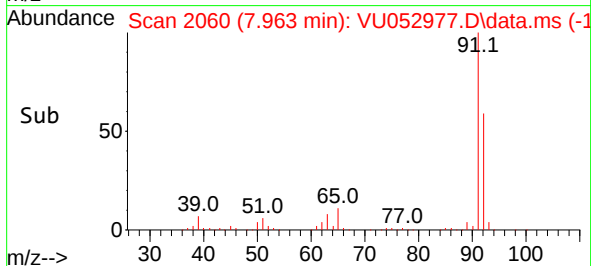
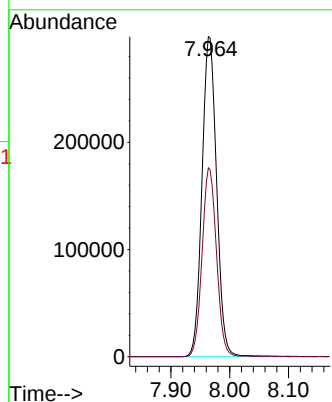
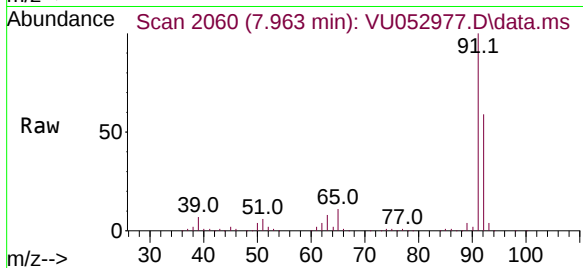
C0B46

Tgt Ion: 91 Resp: 514607

Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.1



#47

Tetrachloroethene

Concen: 0.375 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

Tgt Ion: 164 Resp: 3773

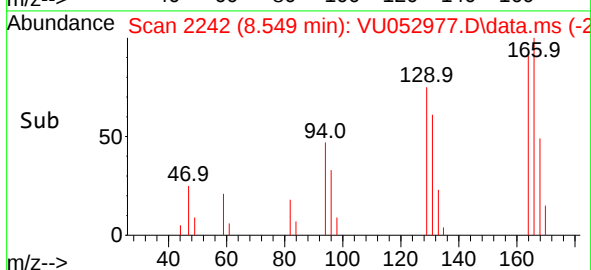
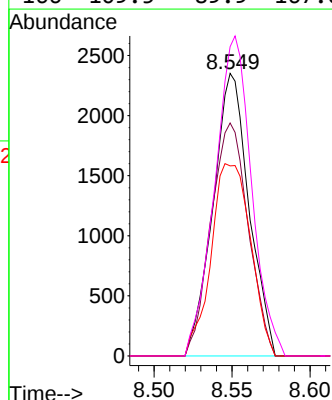
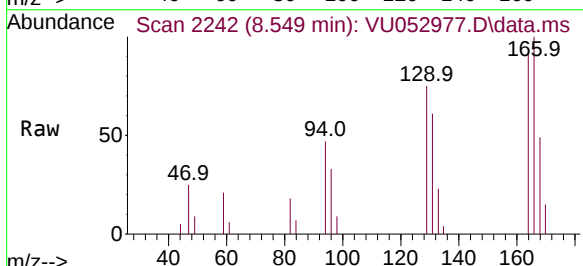
Ion Ratio Lower Upper

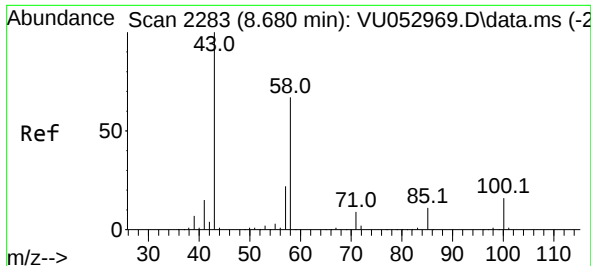
164 100

129 82.5 71.8 133.4

131 67.3 66.6 123.6

166 109.5 89.9 167.0

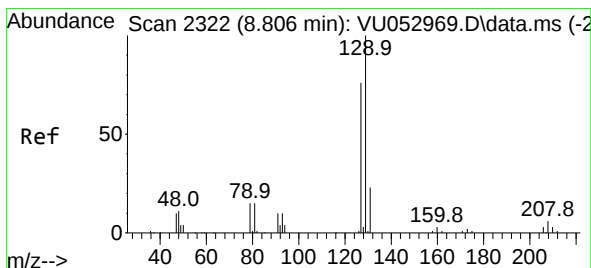
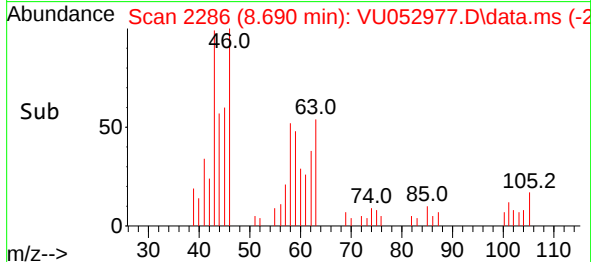
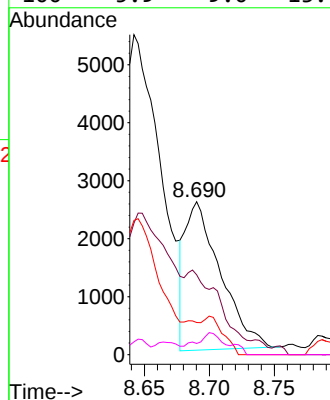
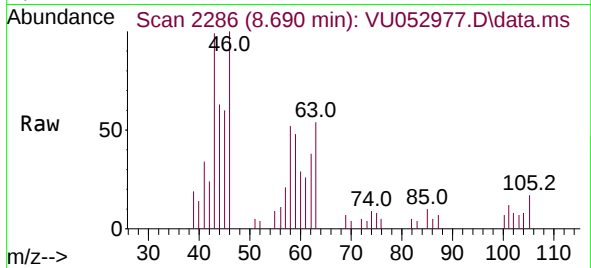




#48
2-Hexanone
Concen: 0.745 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU052977.D
Acq: 06 Feb 2023 13:52

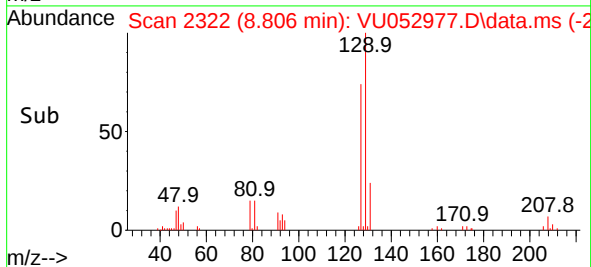
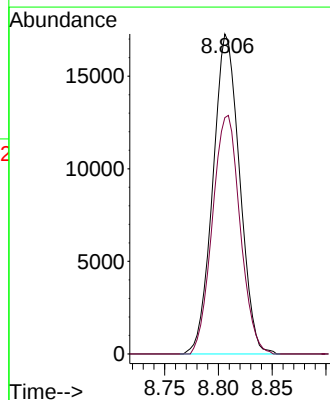
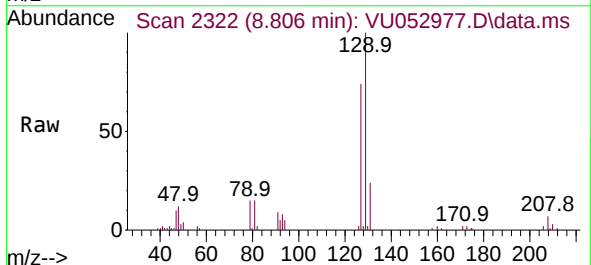
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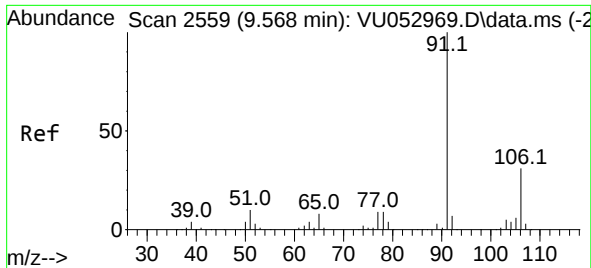
Tgt Ion: 43 Resp: 4834
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 13.9 15.1 22.7#
100 5.9 9.0 13.4#



#49
Dibromochloromethane
Concen: 2.649 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052977.D
Acq: 06 Feb 2023 13:52

Tgt Ion: 129 Resp: 29858
Ion Ratio Lower Upper
129 100
127 73.8 53.5 99.5

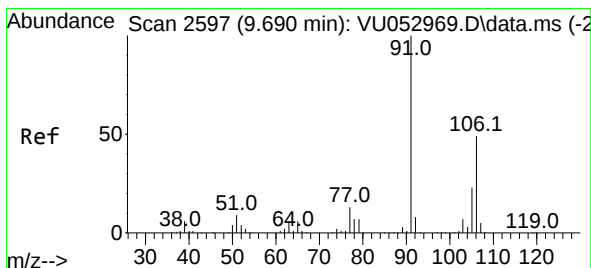
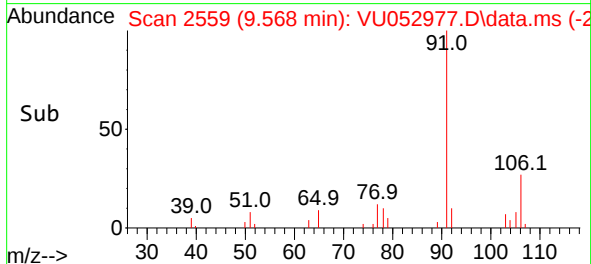
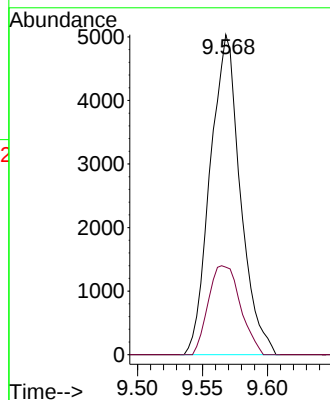
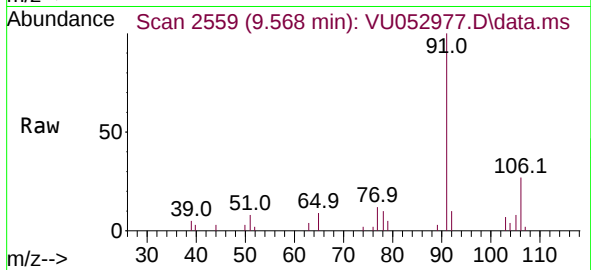




#52
Ethylbenzene
Concen: 0.138 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052977.D
Acq: 06 Feb 2023 13:52

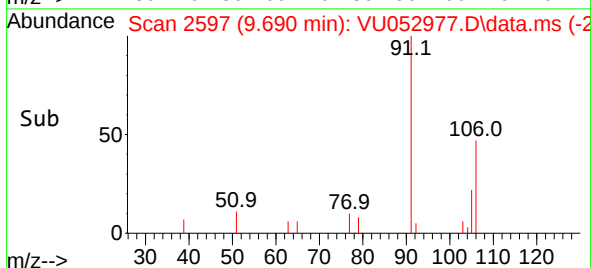
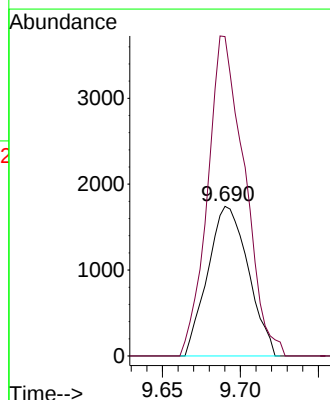
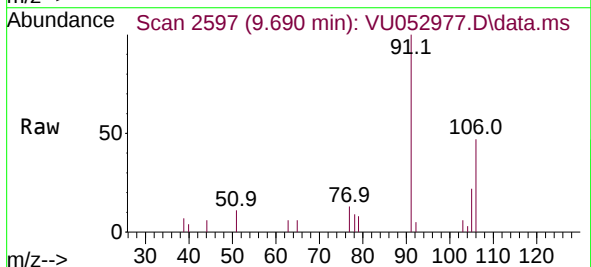
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MSVOA_U
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C0B46

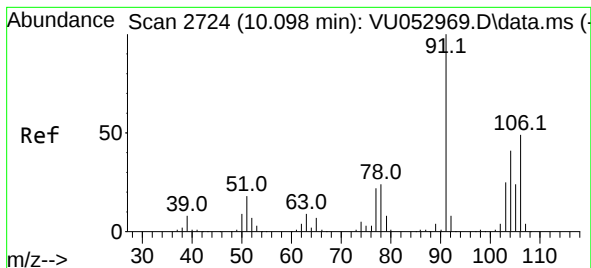
Tgt Ion: 91 Resp: 8112
Ion Ratio Lower Upper
91 100
106 27.3 21.1 39.3



#53
m,p-Xylene
Concen: 0.142 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052977.D
Acq: 06 Feb 2023 13:52

Tgt Ion: 106 Resp: 3148
Ion Ratio Lower Upper
106 100
91 213.5 144.3 267.9





#54

o-Xylene

Concen: 0.123 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

Instrument :

MSVOA_U

ClientSampleId :

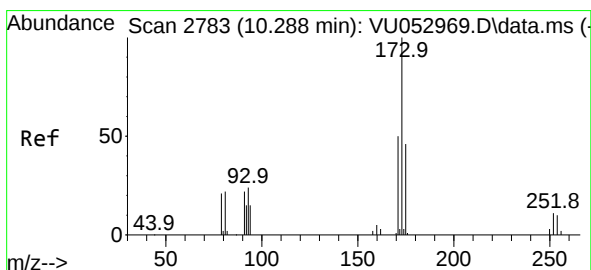
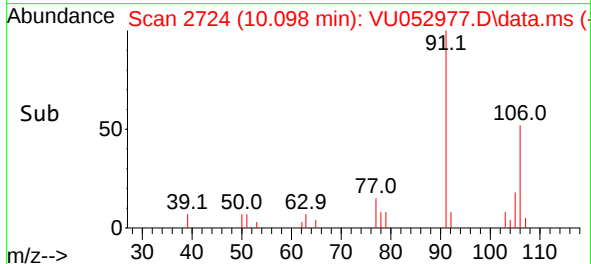
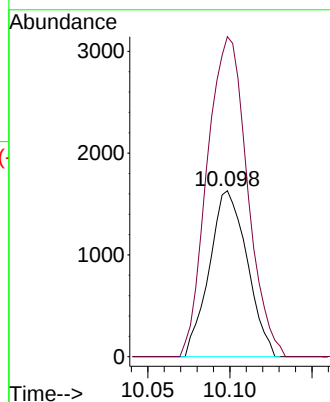
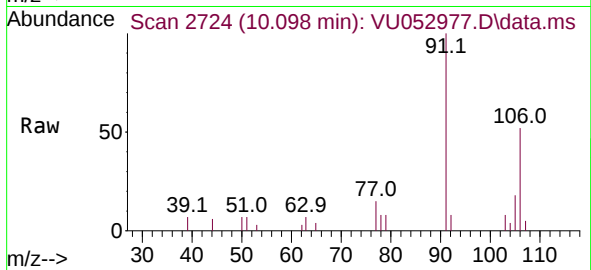
C0B46

Tgt Ion:106 Resp: 2606

Ion Ratio Lower Upper

106 100

91 192.8 148.7 276.1



#59

Bromoform

Concen: 0.892 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU052977.D

Acq: 06 Feb 2023 13:52

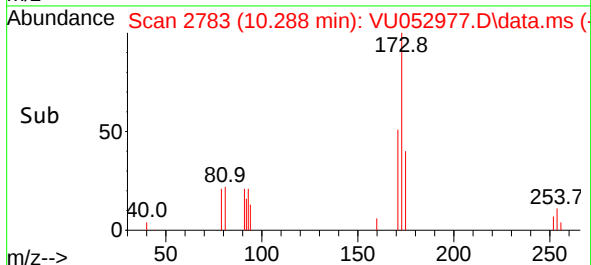
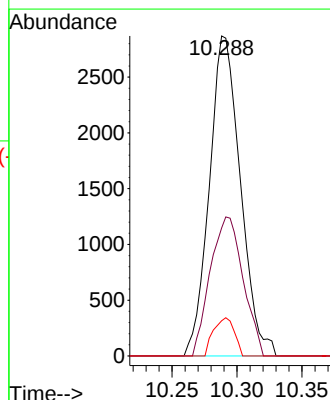
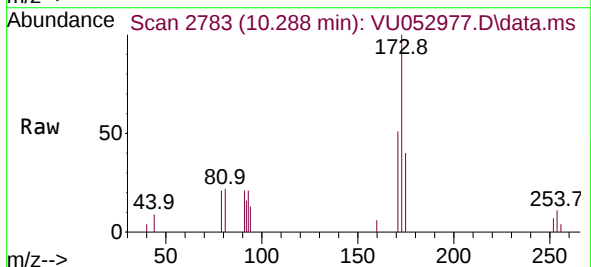
Tgt Ion:173 Resp: 4769

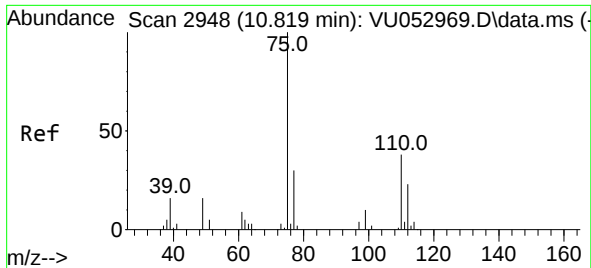
Ion Ratio Lower Upper

173 100

175 45.9 38.2 57.4

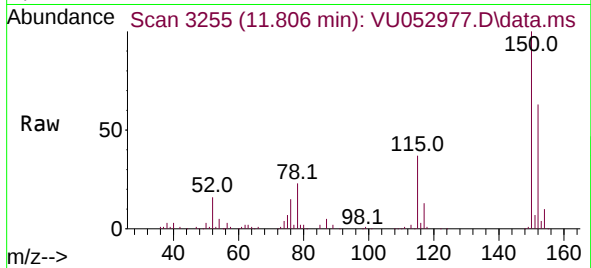
254 8.0 7.3 10.9





#61
 1,2,3-Trichloropropane
 Concen: 0.905 ug/L
 RT: 11.806 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU052977.D
 Acq: 06 Feb 2023 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B46



Tgt Ion: 75 Resp: 7235
 Ion Ratio Lower Upper
 75 100
 110 3.3 27.2 40.8#
 77 37.1 24.0 36.0#

