

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046391.D
 Acq On : 15 Dec 2021 12:52
 Operator : SY/MD
 Sample : M4997-06DL 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R1DL

Quant Time: Dec 16 03:09:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

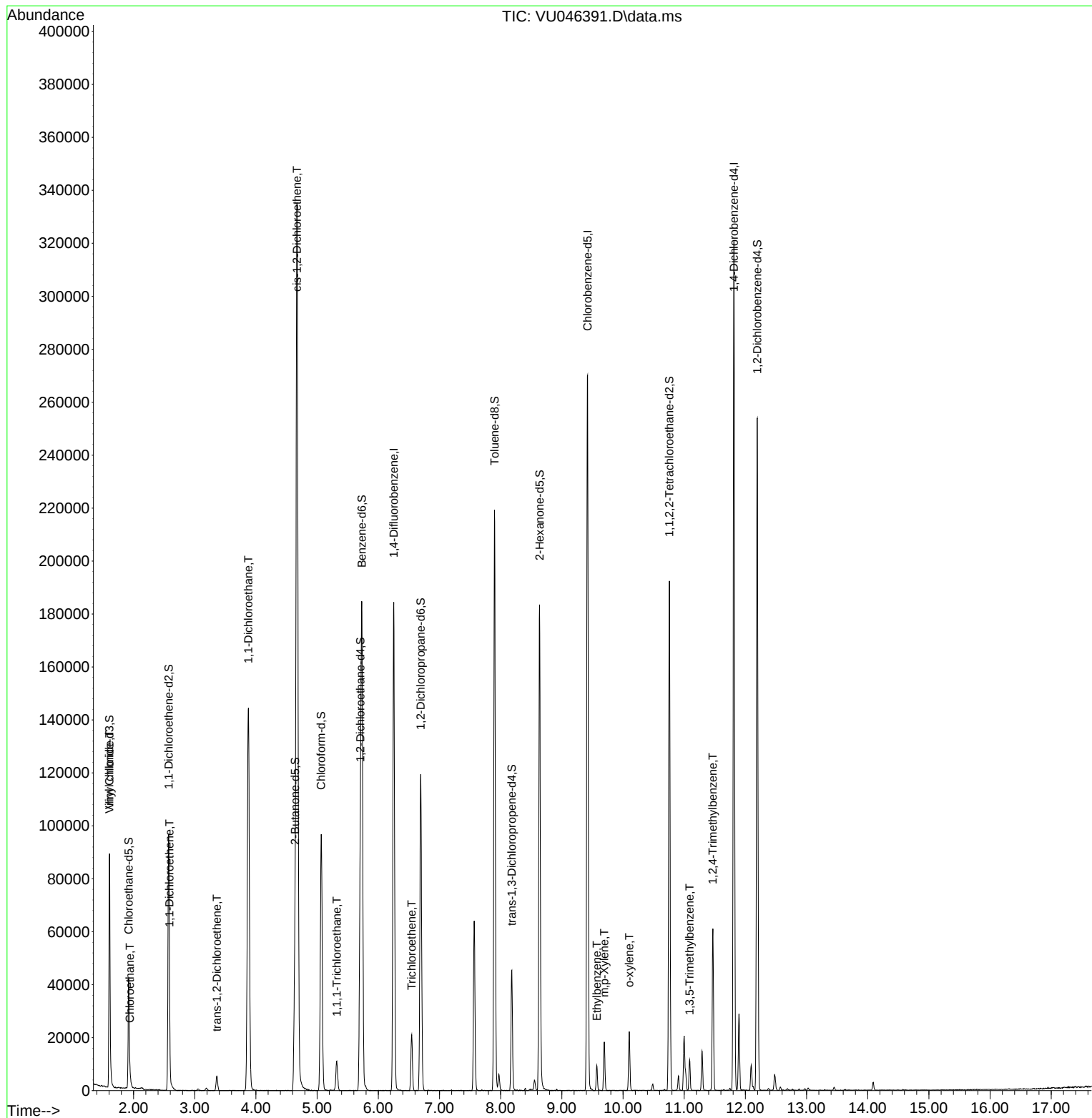
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	147468	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	150349	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	81795	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	40551	33.382	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.760%
7) Chloroethane-d5	1.919	69	33642	36.070	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.140%
11) 1,1-Dichloroethene-d2	2.575	63	58638	26.889	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.780%#
21) 2-Butanone-d5	4.639	46	90923	94.154	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.150%
24) Chloroform-d	5.067	84	91442	45.077	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.160%
26) 1,2-Dichloroethane-d4	5.707	65	61169	44.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.860%
32) Benzene-d6	5.732	84	170542	39.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.160%
36) 1,2-Dichloropropane-d6	6.694	67	56191	42.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.140%
41) Toluene-d8	7.899	98	143733	36.633	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.260%#
43) trans-1,3-Dichloroprop...	8.182	79	26110	40.500	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.000%
47) 2-Hexanone-d5	8.636	63	65652	103.680	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	92891	45.864	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	64008	40.634	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.260%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	32432	22.414	ug/L	99
8) Chloroethane	1.941	64	1915	2.286	ug/L	95
12) 1,1-Dichloroethene	2.588	96	1641	1.609	ug/L #	1
17) trans-1,2-Dichloroethene	3.363	96	2502	2.319	ug/L	93
19) 1,1-Dichloroethane	3.877	63	167638	85.443	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	170758	145.841	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	8166	4.425	ug/L	97
34) Trichloroethene	6.546	95	7285	6.077	ug/L	96
52) Ethylbenzene	9.571	91	6783	1.291	ug/L	85
53) m,p-Xylene	9.693	106	5475	2.672	ug/L	97
54) o-xylene	10.102	106	6300	3.168	ug/L	91
62) 1,3,5-Trimethylbenzene	11.089	105	6744	1.520	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	33193	7.479	ug/L	97

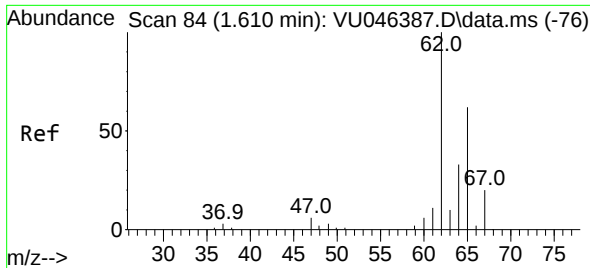
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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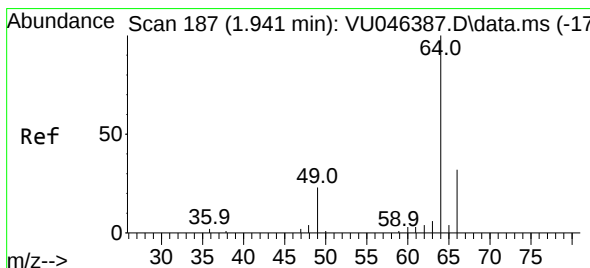
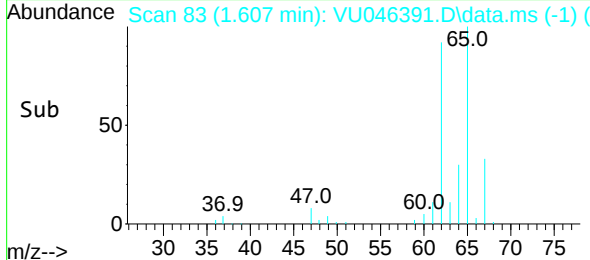
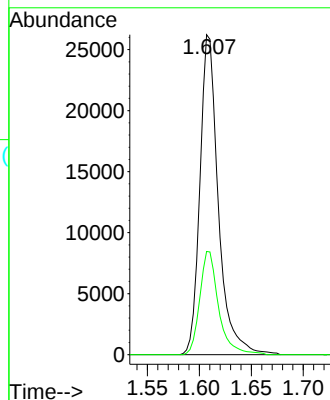
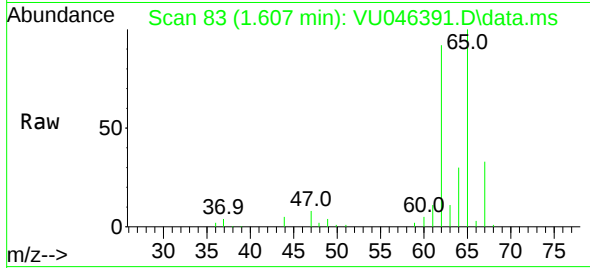




#5
 Vinyl chloride
 Concen: 22.414 ug/L
 RT: 1.607 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VU046391.D
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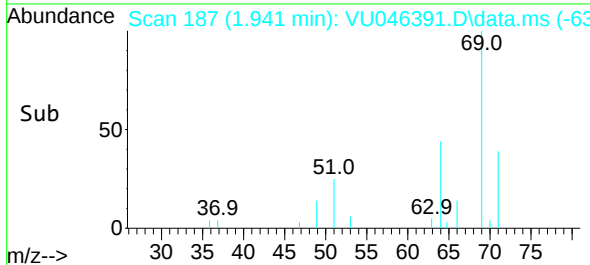
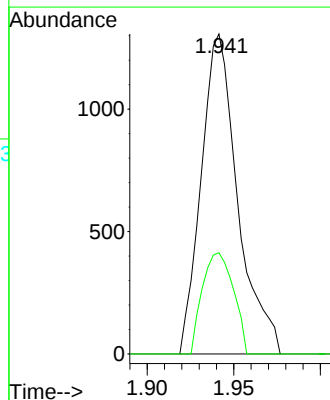
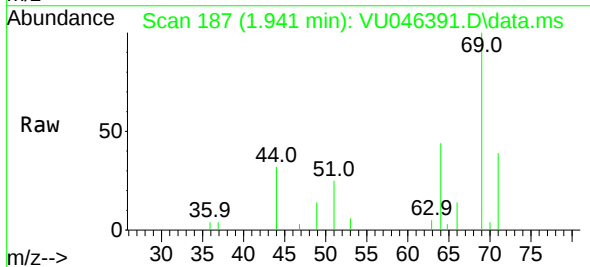
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R1DL

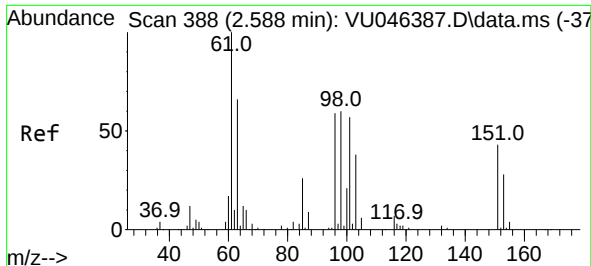
Tgt Ion: 62 Resp: 32432
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.9 42.5



#8
 Chloroethane
 Concen: 2.286 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: VU046391.D
 Acq: 15 Dec 2021 12:52

Tgt Ion: 64 Resp: 1915
 Ion Ratio Lower Upper
 64 100
 66 29.3 22.5 41.9





#12

1,1-Dichloroethene

Concen: 1.609 ug/L

RT: 2.588 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046391.D

Acq: 15 Dec 2021 12:52

Instrument :

MSVOA_U

ClientSampleId :

EW5R1DL

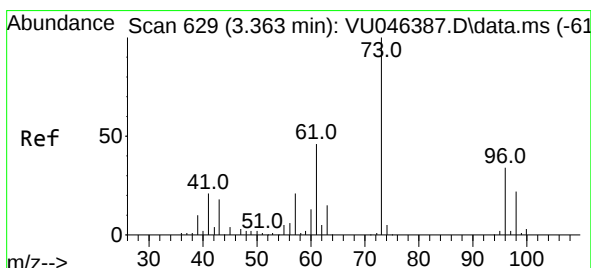
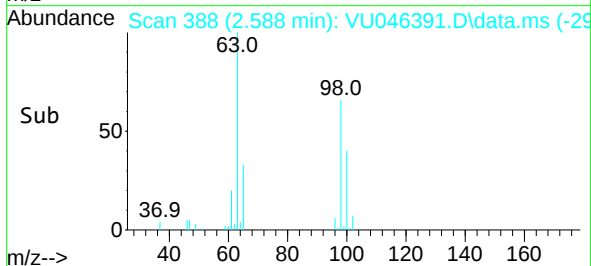
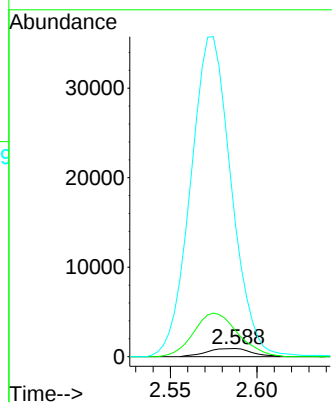
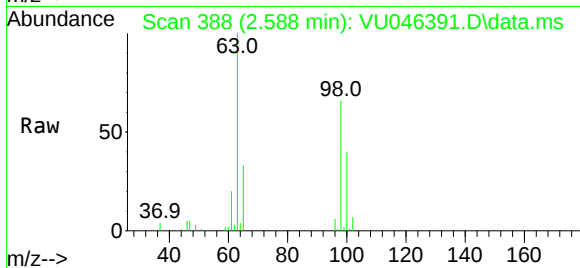
Tgt Ion: 96 Resp: 1641

Ion Ratio Lower Upper

96 100

61 313.7 118.6 220.2#

63 1593.7 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 2.319 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU046391.D

Acq: 15 Dec 2021 12:52

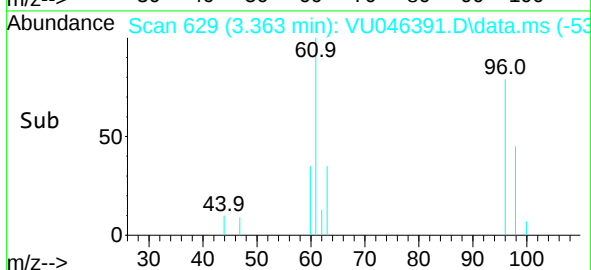
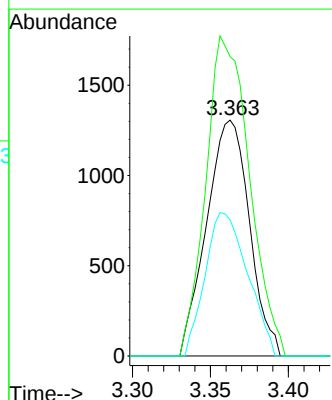
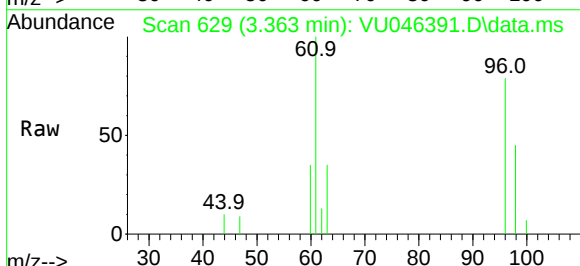
Tgt Ion: 96 Resp: 2502

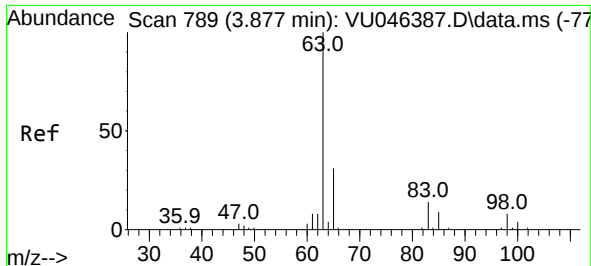
Ion Ratio Lower Upper

96 100

61 126.9 94.6 175.6

98 57.7 44.0 81.8

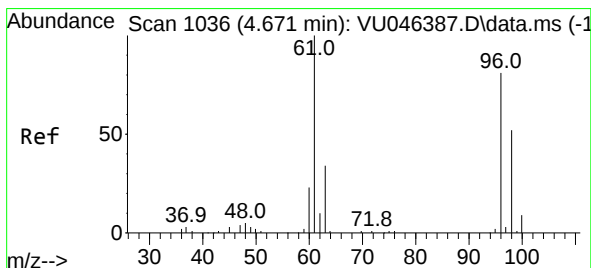
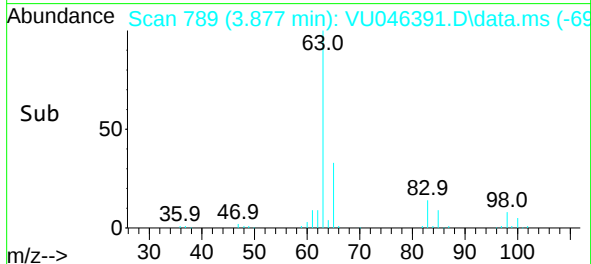
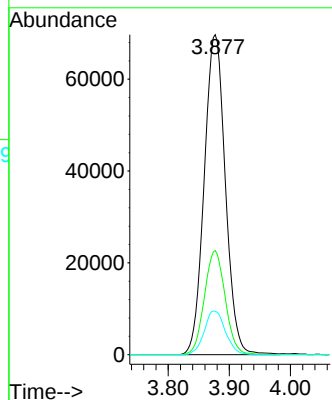
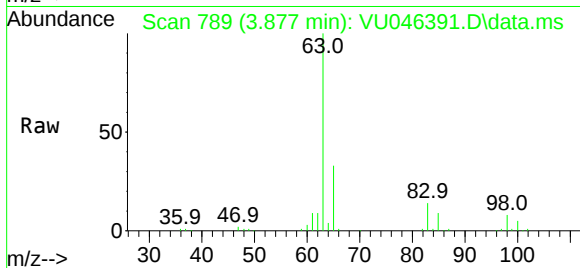




#19
1,1-Dichloroethane
Concen: 85.443 ug/L
RT: 3.877 min Scan# 719
Delta R.T. -0.000 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

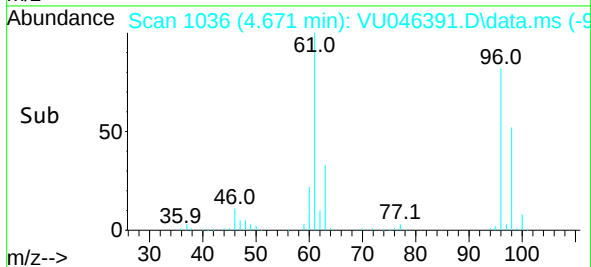
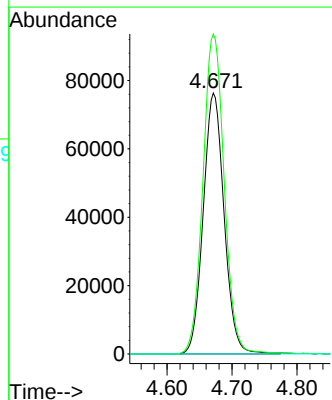
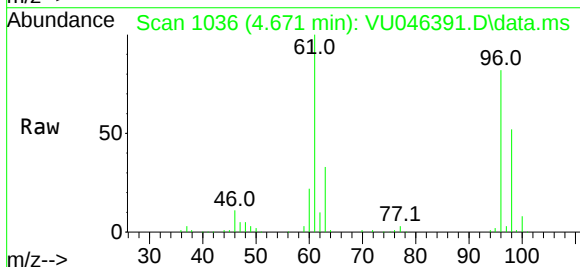
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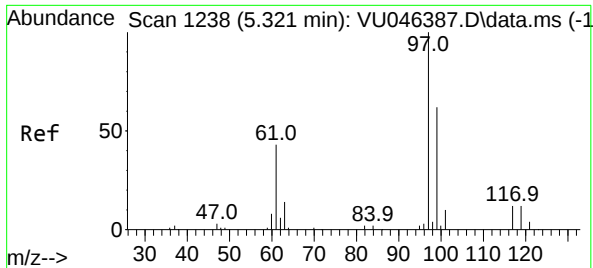
Tgt Ion: 63 Resp: 167638
Ion Ratio Lower Upper
63 100
65 32.5 22.8 42.4
83 13.5 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 145.841 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

Tgt Ion: 96 Resp: 170758
Ion Ratio Lower Upper
96 100
61 122.6 86.8 161.2
68 0.0 0.0 0.0

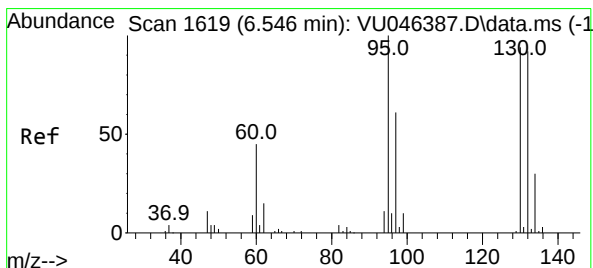
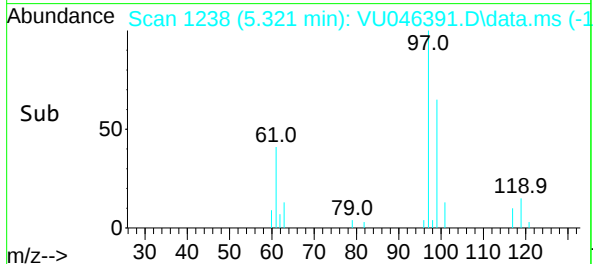
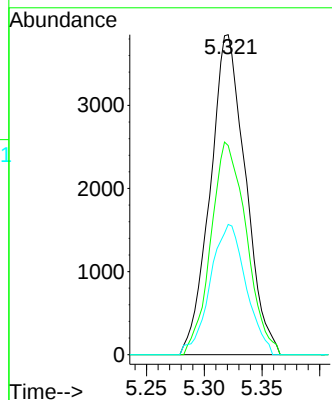
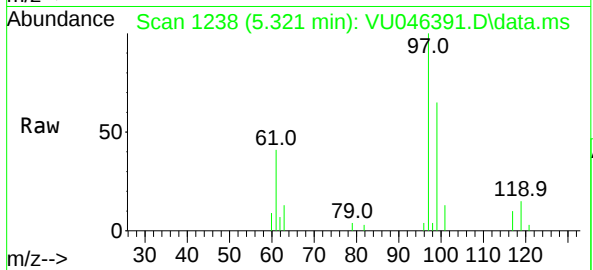




#30
1,1,1-Trichloroethane
Concen: 4.425 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

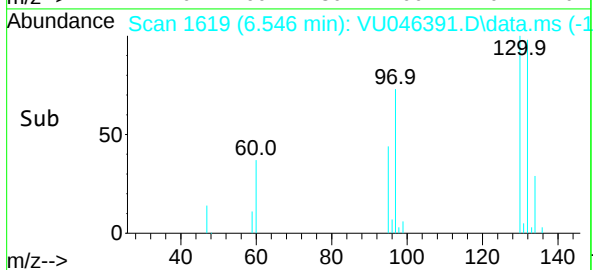
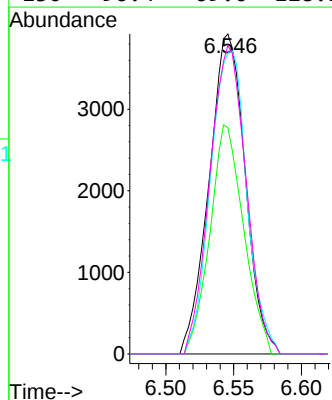
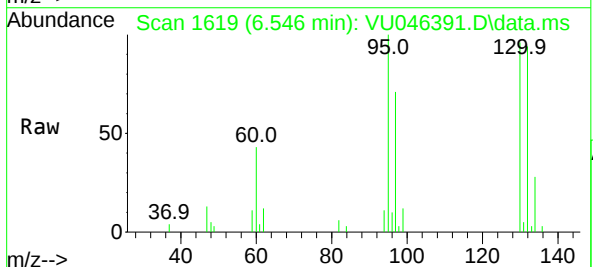
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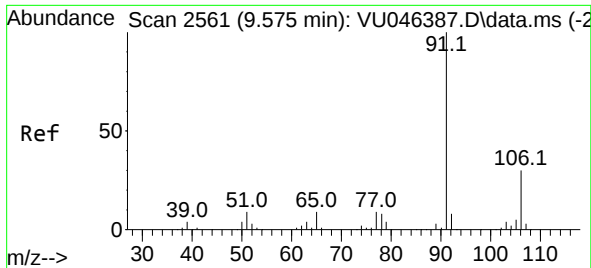
Tgt Ion: 97	Resp:	8166
Ion	Ratio	Lower Upper
97	100	
99	66.9	51.8 77.6
61	40.8	34.4 51.6



#34
Trichloroethene
Concen: 6.077 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

Tgt Ion: 95	Resp:	7285
Ion	Ratio	Lower Upper
95	100	
97	70.7	44.1 81.9
132	94.0	66.8 124.0
130	96.4	69.0 128.1

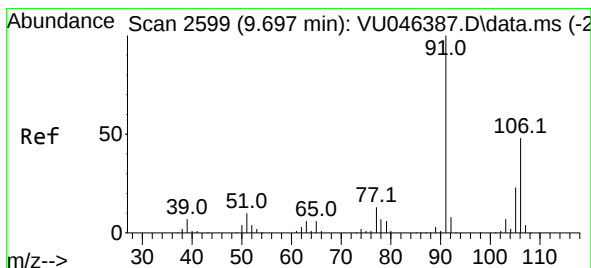
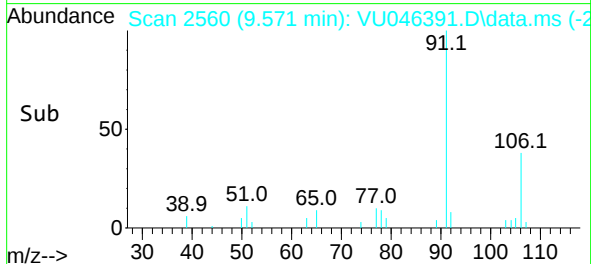
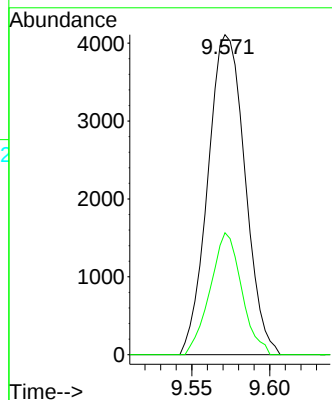
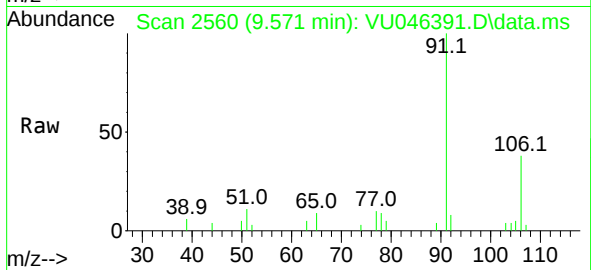




#52
Ethylbenzene
Concen: 1.291 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

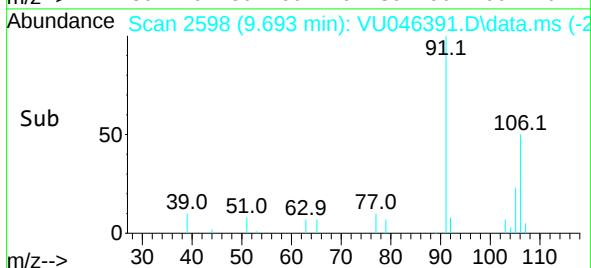
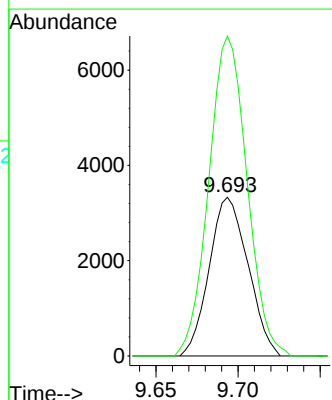
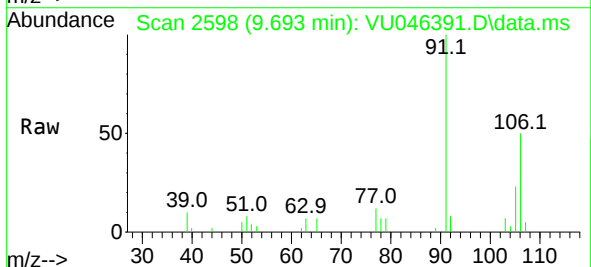
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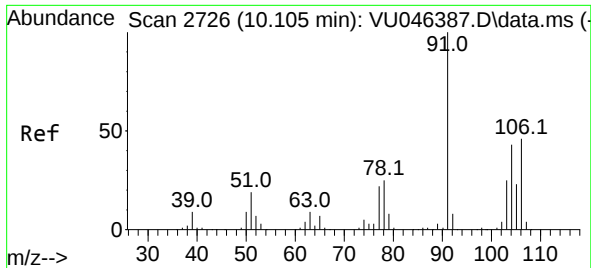
Tgt Ion: 91 Resp: 6783
Ion Ratio Lower Upper
91 100
106 38.1 21.1 39.3



#53
m,p-Xylene
Concen: 2.672 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

Tgt Ion: 106 Resp: 5475
Ion Ratio Lower Upper
106 100
91 201.6 144.3 268.1

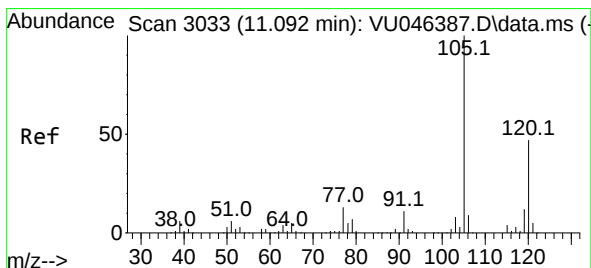
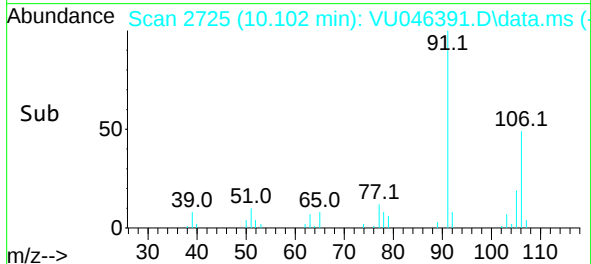
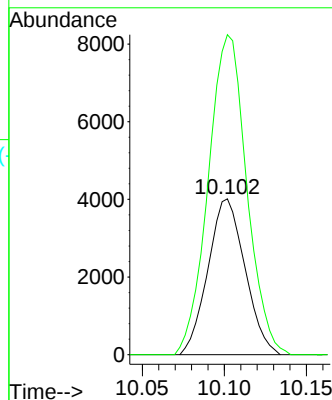
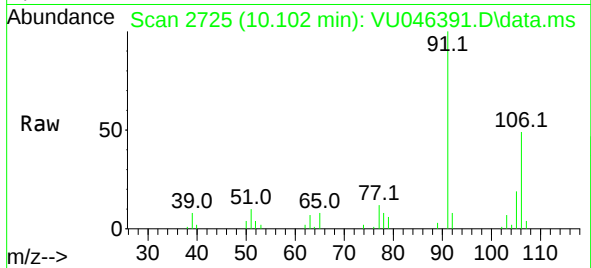




#54
o-xylene
Concen: 3.168 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

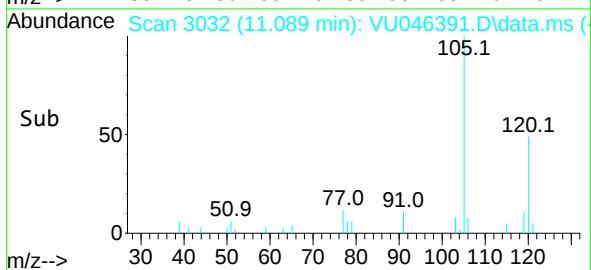
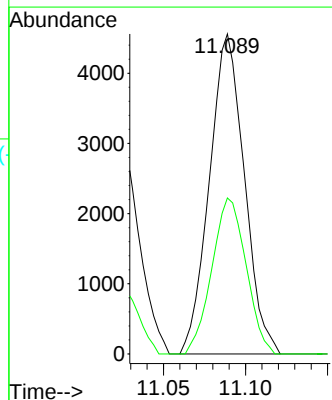
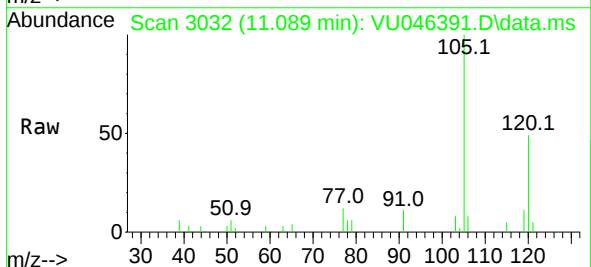
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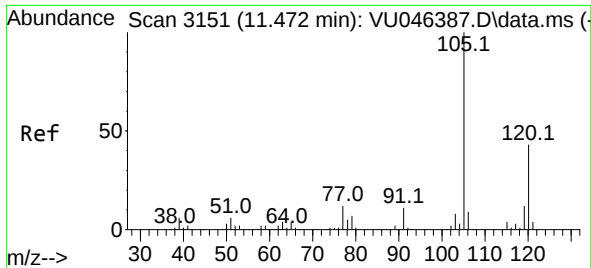
Tgt Ion:106 Resp: 6300
Ion Ratio Lower Upper
106 100
91 205.3 154.2 286.4



#62
1,3,5-Trimethylbenzene
Concen: 1.520 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046391.D
Acq: 15 Dec 2021 12:52

Tgt Ion:105 Resp: 6744
Ion Ratio Lower Upper
105 100
120 47.7 37.8 56.6





#63
 1,2,4-Trimethylbenzene
 Concen: 7.479 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046391.D
 Acq: 15 Dec 2021 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R1DL

Tgt Ion:105 Resp: 33193
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.2 52.8

