

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
 Data File : VU047167.D
 Acq On : 16 Feb 2022 17:39
 Operator : SY/MD
 Sample : N1558-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 17 04:07:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 16 13:52:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	175204	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	178953	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	100928	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	69317	4.684	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.919	69	55741	4.753	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.575	65	27519	4.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	4.642	46	191613	54.177	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.360%
24) Chloroform-d	5.070	84	117887	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.707	65	64853	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.732	84	247693	4.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.694	67	78834	4.955	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.899	98	234100	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	8.182	79	32459	4.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.636	63	168370	44.336	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	64044	4.429	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	91131	5.032	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%

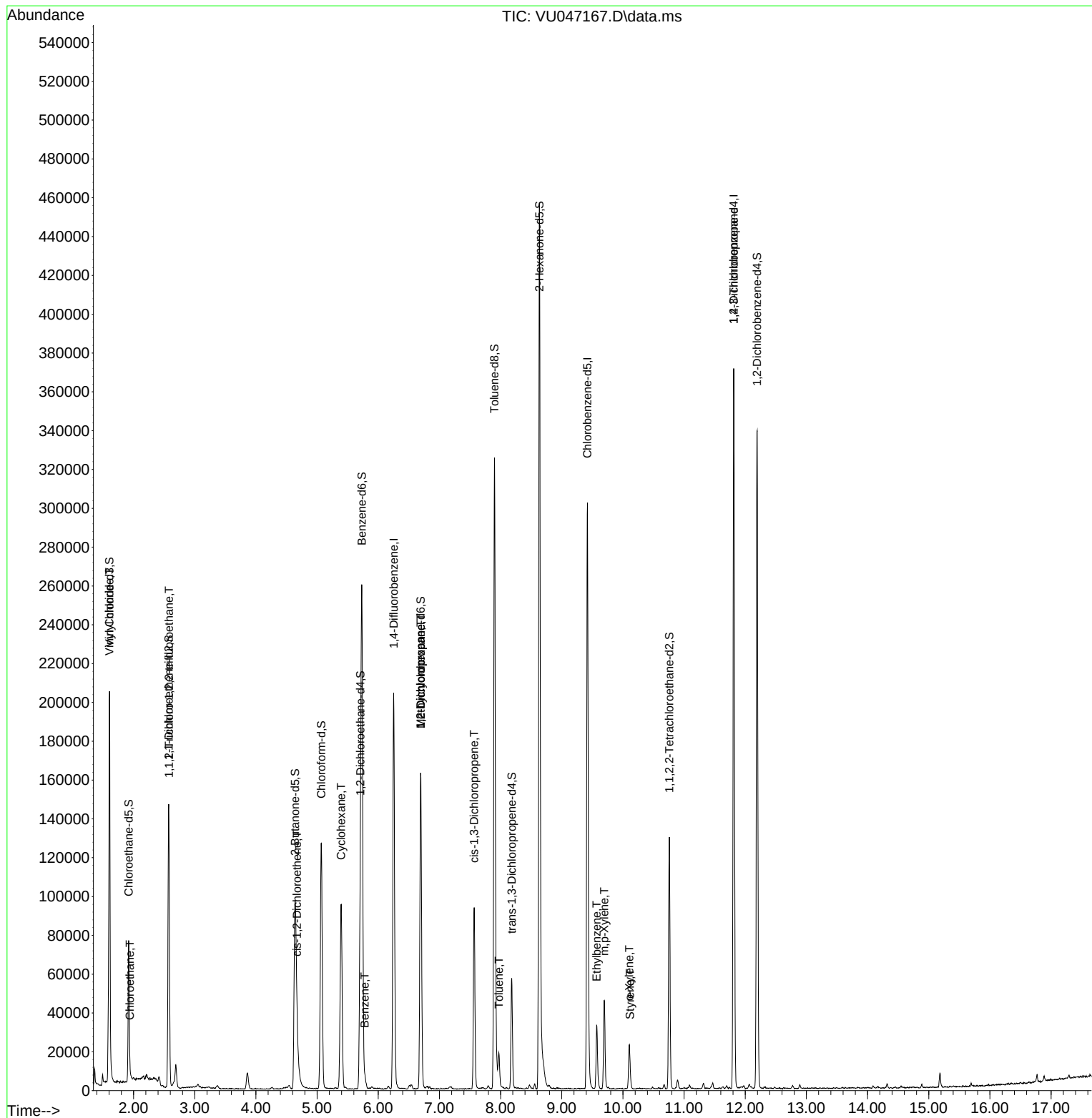
Target Compounds				Qvalue		
5) Vinyl chloride	1.607	62	80835	4.980	ug/L	99
8) Chloroethane	1.941	64	1196	0.128	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	767	0.064	ug/L #	21
22) cis-1,2-Dichloroethene	4.671	96	683	0.050	ug/L	92
30) Cyclohexane	5.395	56	49433	2.337	ug/L	99
33) Benzene	5.777	78	4486	0.088	ug/L	100
35) Methylcyclohexane	6.694	83	18199	0.795	ug/L #	19
37) 1,2-Dichloropropane	6.694	63	8339	0.634	ug/L #	90
39) cis-1,3-Dichloropropene	7.568	75	2072	0.101	ug/L #	54
42) Toluene	7.973	91	13175	0.233	ug/L	99
52) Ethylbenzene	9.571	91	25454	0.410	ug/L	96
53) m,p-Xylene	9.697	106	14028	0.576	ug/L	96
54) o-Xylene	10.102	106	5872	0.248	ug/L	99
55) Styrene	10.118	104	3430	0.086	ug/L	91
61) 1,2,3-Trichloropropane	11.812	75	11269	1.169	ug/L #	67

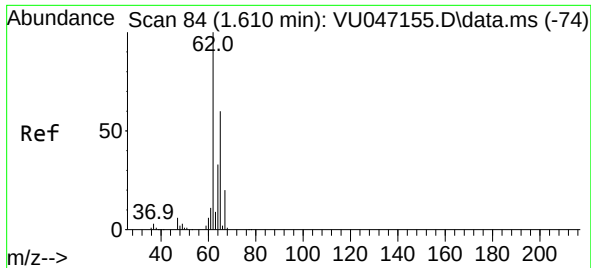
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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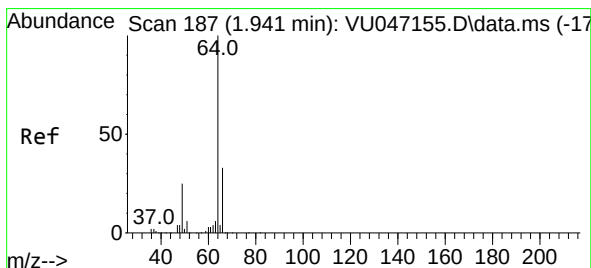
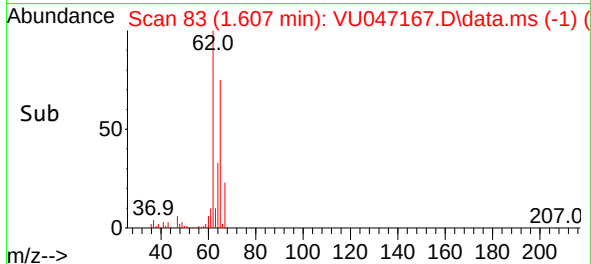
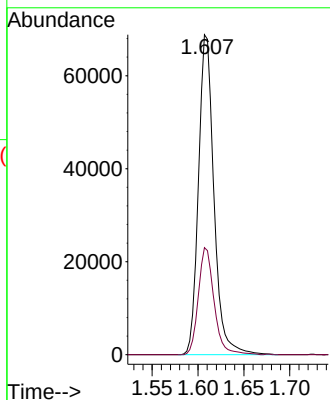
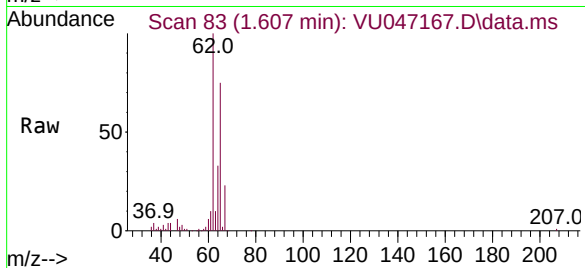




#5
 Vinyl chloride
 Concen: 4.980 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047167.D
 Acq: 16 Feb 2022 17:39

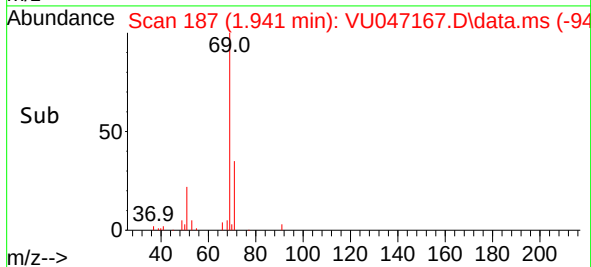
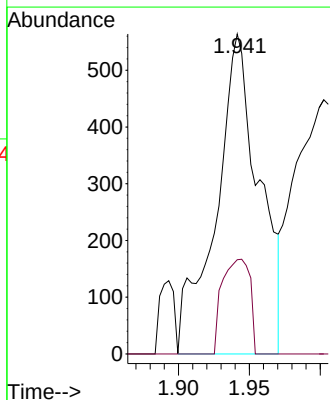
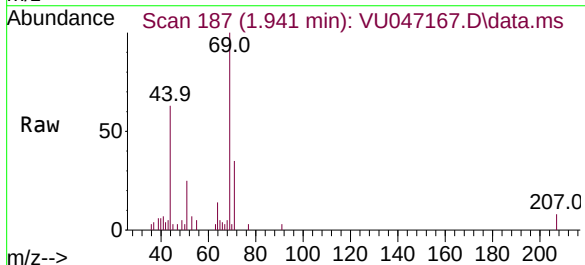
Instrument :
 MSVOA_U
 ClientSampleId :

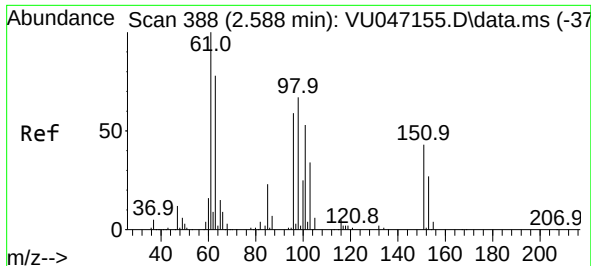
Tgt Ion: 62 Resp: 80835
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.9 42.5



#8
 Chloroethane
 Concen: 0.128 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VU047167.D
 Acq: 16 Feb 2022 17:39

Tgt Ion: 64 Resp: 1196
 Ion Ratio Lower Upper
 64 100
 66 29.4 22.1 41.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.064 ug/L

RT: 2.578 min Scan# 388

Delta R.T. -0.010 min

Lab File: VU047167.D

Acq: 16 Feb 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

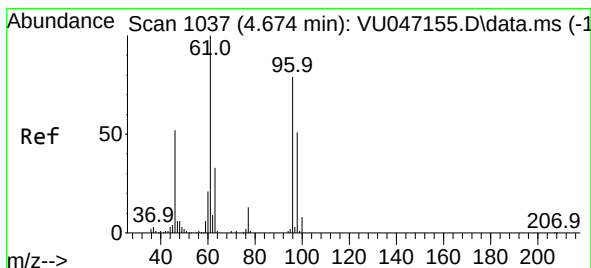
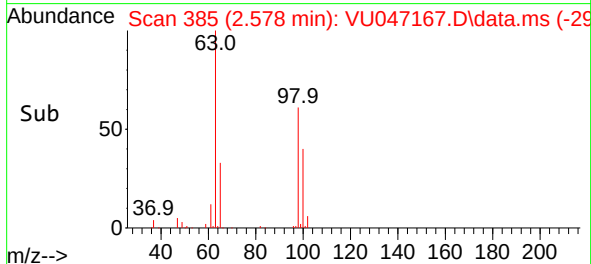
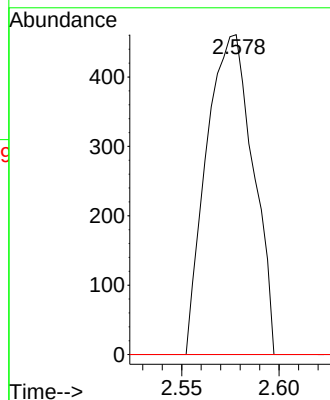
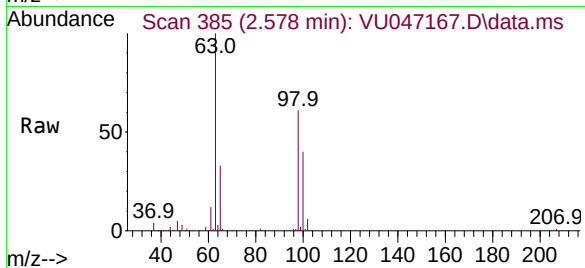
Tgt Ion:101 Resp: 767

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 56.1 84.1#



#22

cis-1,2-Dichloroethene

Concen: 0.050 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU047167.D

Acq: 16 Feb 2022 17:39

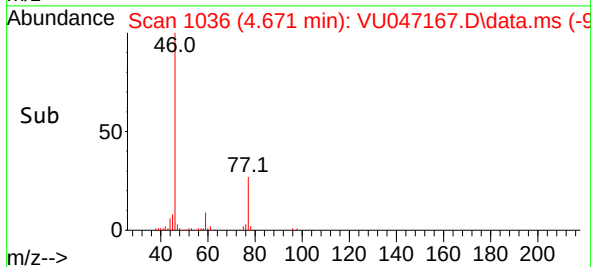
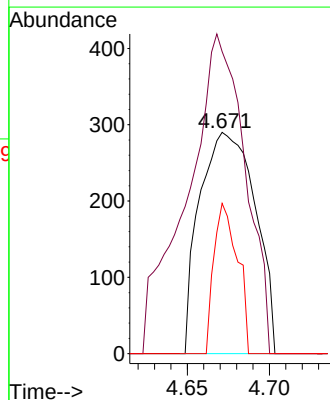
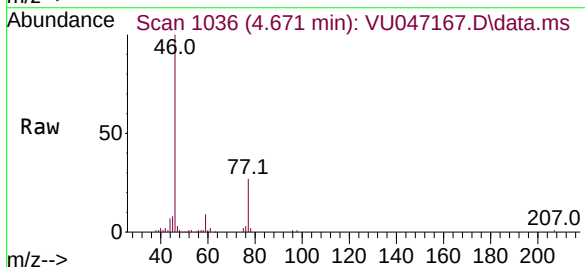
Tgt Ion: 96 Resp: 683

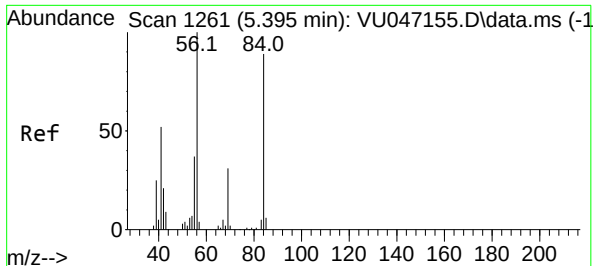
Ion Ratio Lower Upper

96 100

61 136.6 88.5 164.3

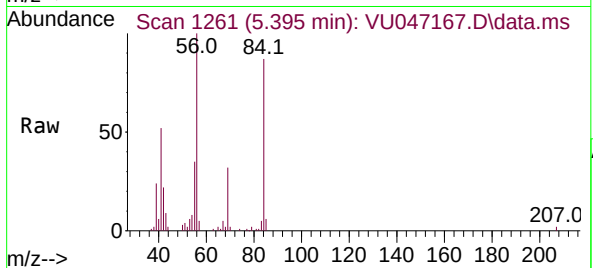
98 67.9 44.4 82.5



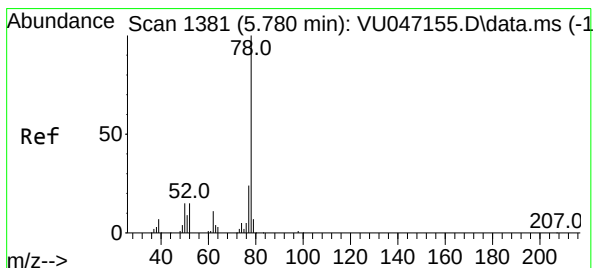
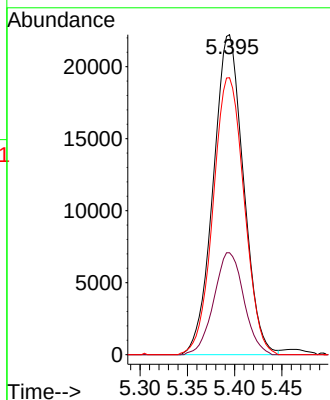
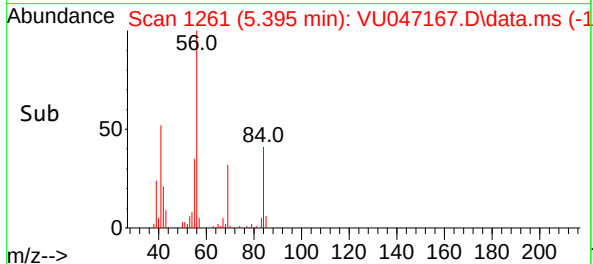


#30
Cyclohexane
Concen: 2.337 ug/L
RT: 5.395 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047167.D
Acq: 16 Feb 2022 17:39

Instrument :
MSVOA_U
ClientSampleId :

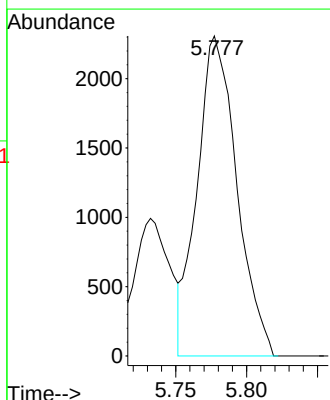
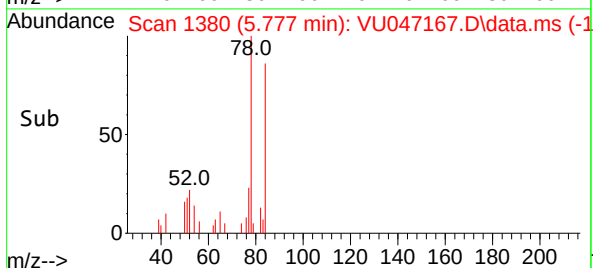
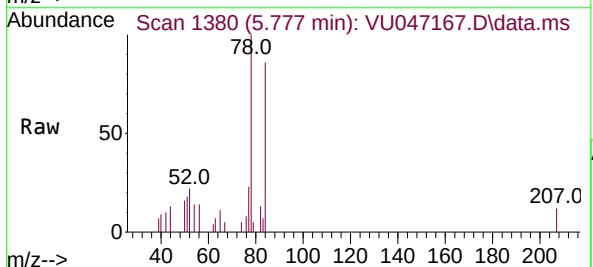


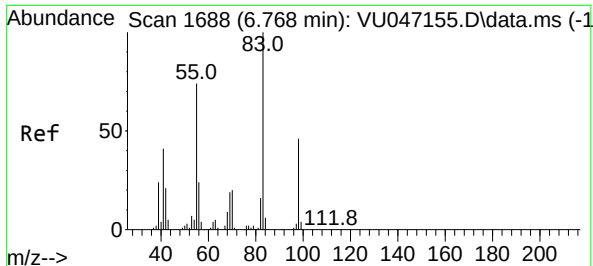
Tgt Ion: 56 Resp: 49433
Ion Ratio Lower Upper
56 100
69 31.5 24.7 37.1
84 88.8 71.8 107.6



#33
Benzene
Concen: 0.088 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU047167.D
Acq: 16 Feb 2022 17:39

Tgt Ion: 78 Resp: 4486

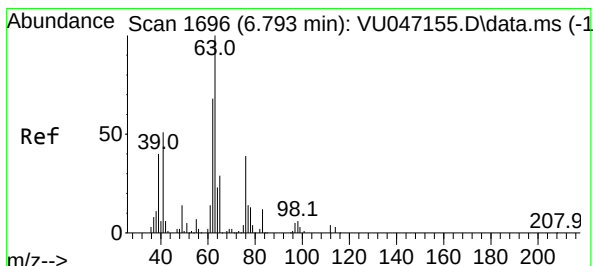
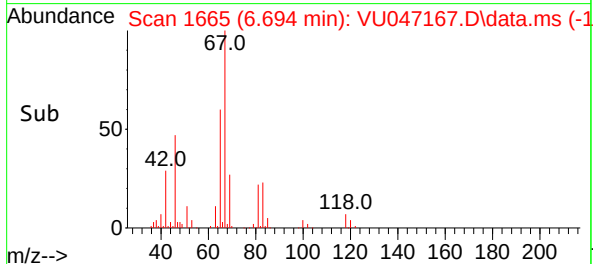
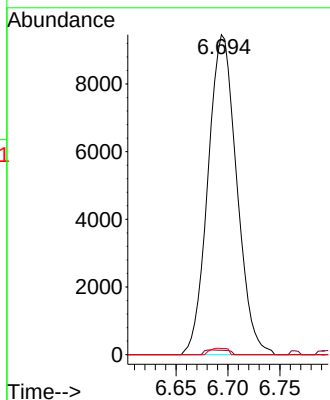
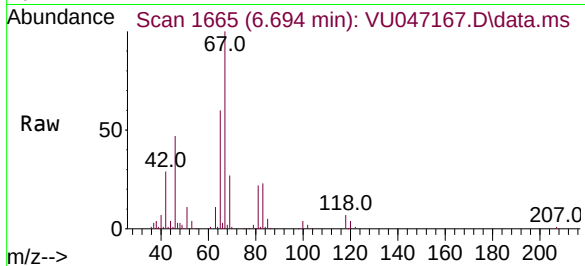




#35
Methylcyclohexane
Concen: 0.795 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047167.D
Acq: 16 Feb 2022 17:39

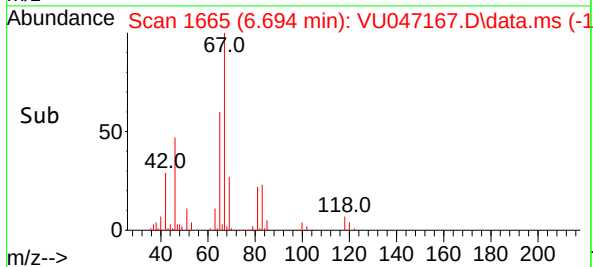
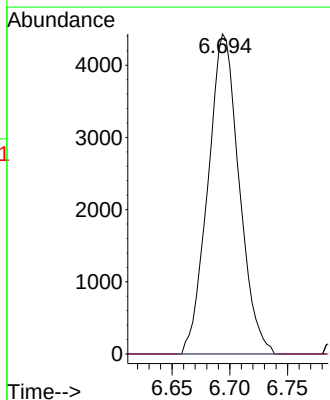
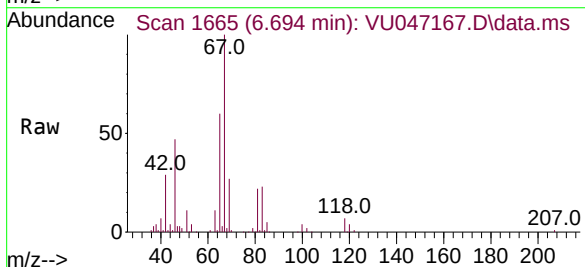
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MSVOA_U
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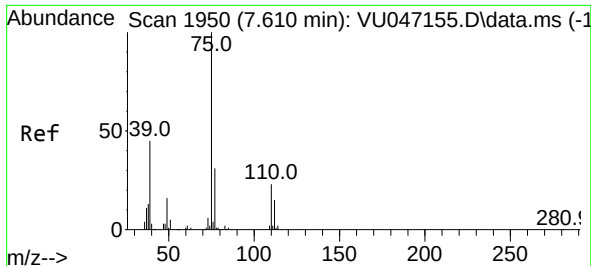
Tgt Ion: 83 Resp: 18199
Ion Ratio Lower Upper
83 100
55 1.2 61.9 92.9#
98 1.2 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.634 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047167.D
Acq: 16 Feb 2022 17:39

Tgt Ion: 63 Resp: 8339
Ion Ratio Lower Upper
63 100
112 0.8 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047167.D

Acq: 16 Feb 2022 17:39

Instrument :

MSVOA_U

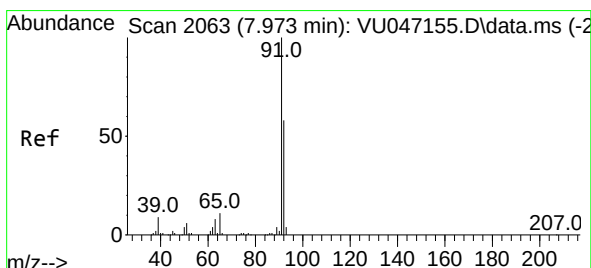
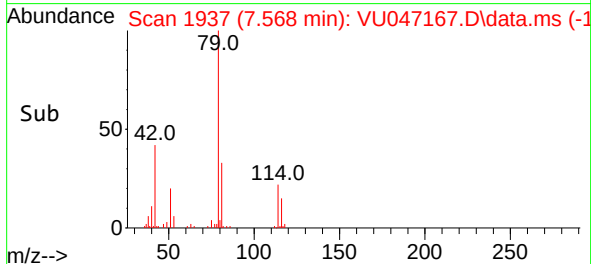
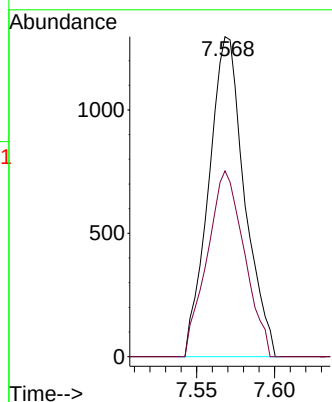
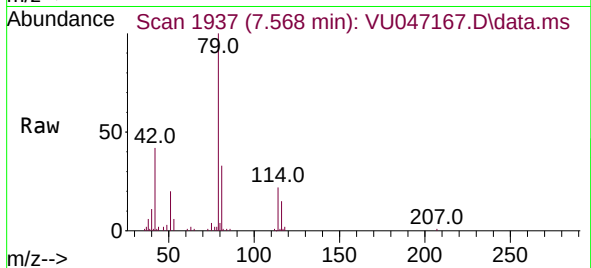
ClientSampleId :

Tgt Ion: 75 Resp: 2072

Ion Ratio Lower Upper

75 100

77 58.1 22.5 41.9#



#42

Toluene

Concen: 0.233 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU047167.D

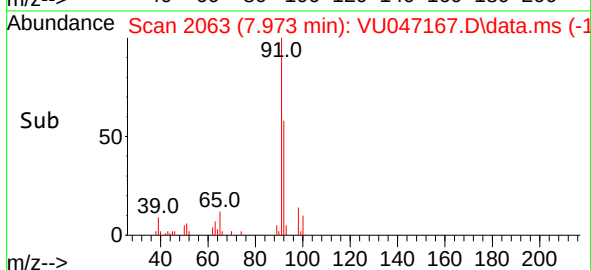
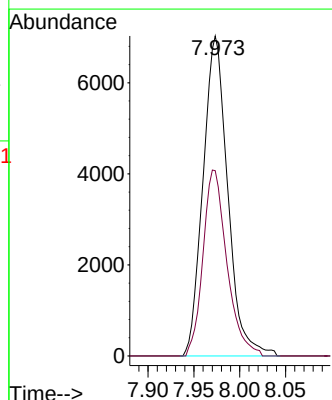
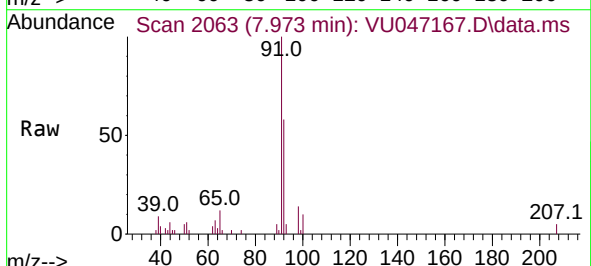
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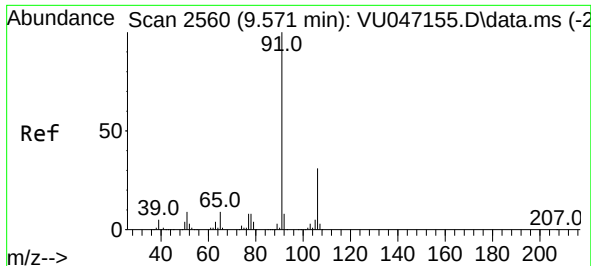
Tgt Ion: 91 Resp: 13175

Ion Ratio Lower Upper

91 100

92 57.9 41.3 76.7

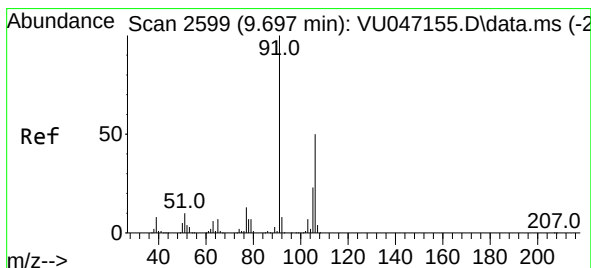
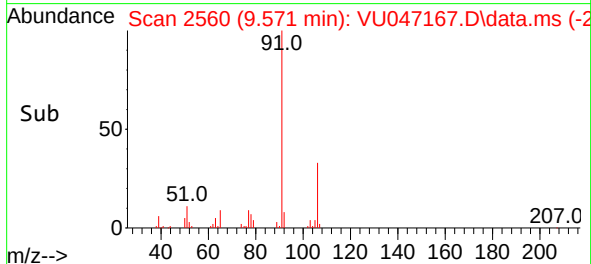
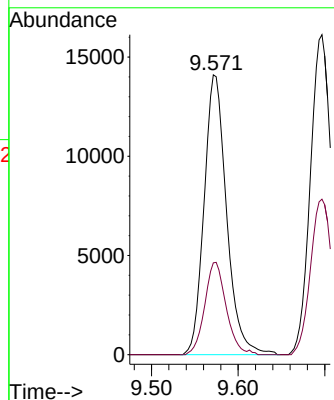
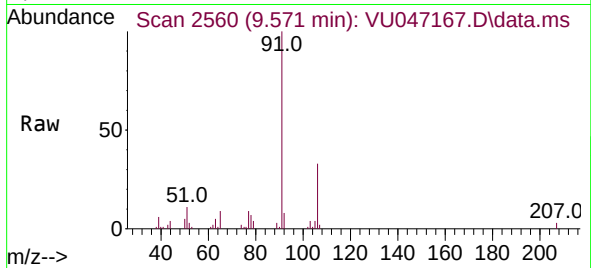




#52
Ethylbenzene
Concen: 0.410 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
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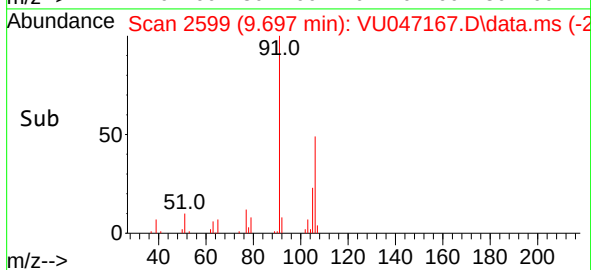
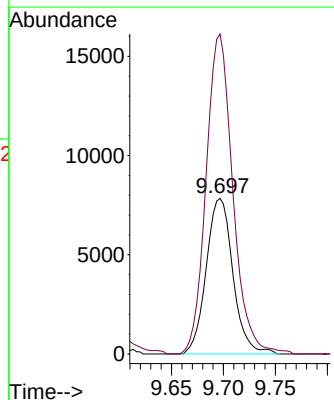
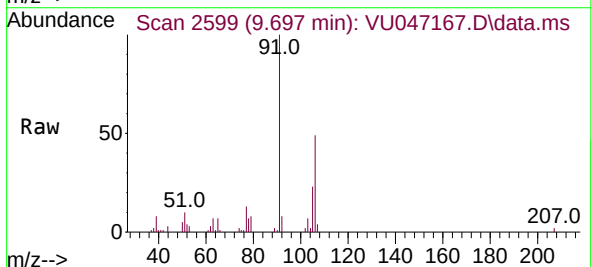
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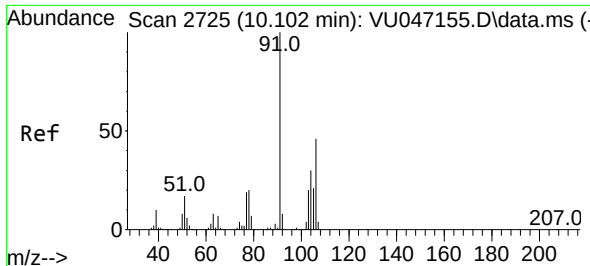
Tgt Ion: 91 Resp: 25454
Ion Ratio Lower Upper
91 100
106 32.8 21.5 39.9



#53
m,p-Xylene
Concen: 0.576 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU047167.D
Acq: 16 Feb 2022 17:39

Tgt Ion: 106 Resp: 14028
Ion Ratio Lower Upper
106 100
91 205.7 139.4 259.0

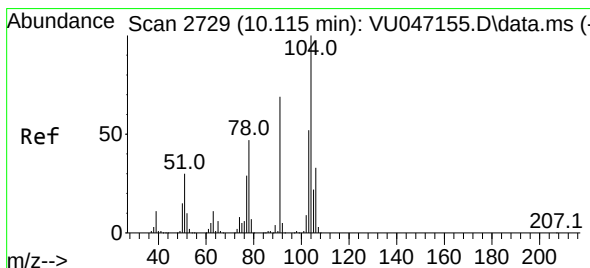
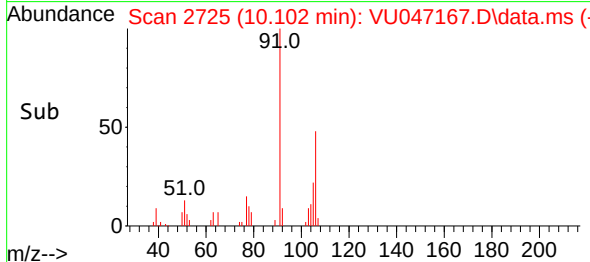
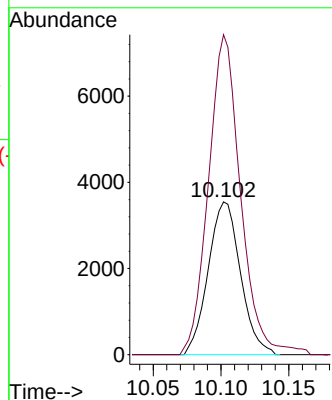
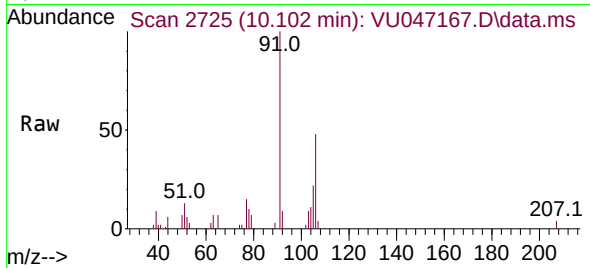




#54
o-Xylene
Concen: 0.248 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047167.D
Acq: 16 Feb 2022 17:39

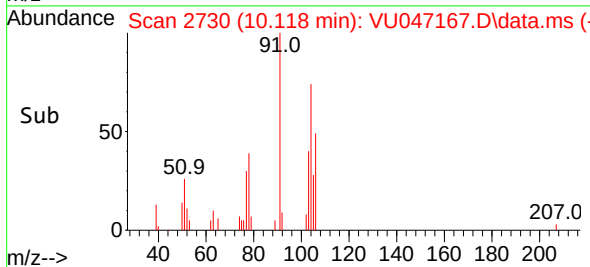
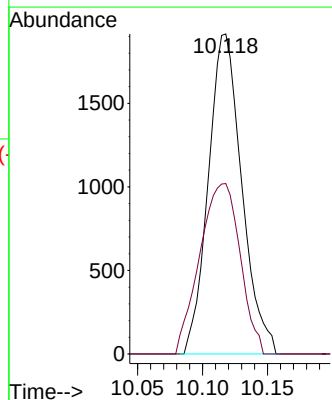
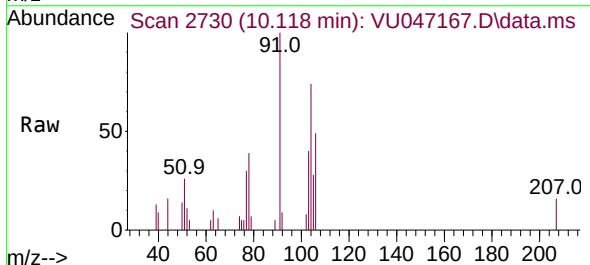
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ClientSampleId :

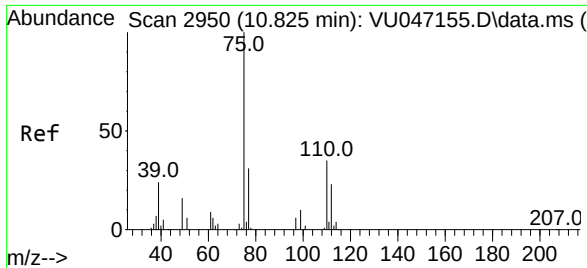
Tgt Ion:106 Resp: 5872
Ion Ratio Lower Upper
106 100
91 209.5 147.5 273.9



#55
Styrene
Concen: 0.086 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU047167.D
Acq: 16 Feb 2022 17:39

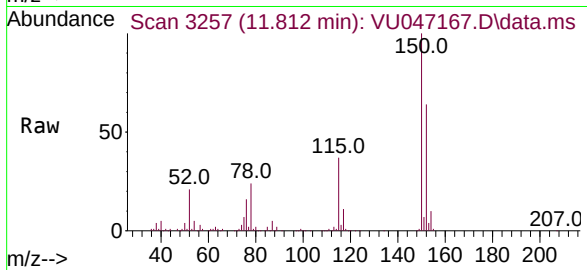
Tgt Ion:104 Resp: 3430
Ion Ratio Lower Upper
104 100
78 53.3 33.0 61.4





#61
 1,2,3-Trichloropropane
 Concen: 1.169 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU047167.D
 Acq: 16 Feb 2022 17:39

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	11269
Ion	Ratio	Lower	Upper
75	100		
110	1.7	29.9	44.9#
77	32.6	25.5	38.3

