

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
 Data File : VU047161.D
 Acq On : 16 Feb 2022 15:15
 Operator : SY/MD
 Sample : N1545-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXZ9

Quant Time: Feb 17 04:05:37 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	191023	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	193698	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	109595	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	74915	4.643	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.919	69	59641	4.665	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.575	65	30853	4.624	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.655	46	138258	35.854	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.700%
24) Chloroform-d	5.070	84	124941	4.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.706	65	66225	4.444	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.732	84	263128	4.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.694	67	83493	4.848	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.899	98	253862	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.182	79	34366	4.402	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.636	63	171030	41.608	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.220%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	65955	4.214	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	95970	4.881	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.584	96	10617	0.845	ug/L #	1
13) Acetone	2.684	43	8908	4.614	ug/L #	39
17) Methyl tert-butyl Ether	3.369	73	31808	0.926	ug/L #	90
18) trans-1,2-Dichloroethene	3.363	96	1783	0.131	ug/L	77
19) 1,1-Dichloroethane	3.877	63	15144	0.638	ug/L	98
21) 2-Butanone	4.735	43	6377	1.759	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	201417	13.623	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	5479	0.261	ug/L	98
33) Benzene	5.780	78	5908	0.107	ug/L	100
34) Trichloroethene	6.546	95	1838565	125.239	ug/L	96
42) Toluene	7.970	91	18301	0.299	ug/L	98
47) Tetrachloroethene	8.555	164	729437	61.228	ug/L	93
52) Ethylbenzene	9.575	91	6284	0.094	ug/L	95
53) m,p-Xylene	9.697	106	5623	0.213	ug/L	87
54) o-Xylene	10.105	106	2731	0.106	ug/L	86
63) 1,2,4-Trimethylbenzene	11.468	105	8904	0.161	ug/L	93

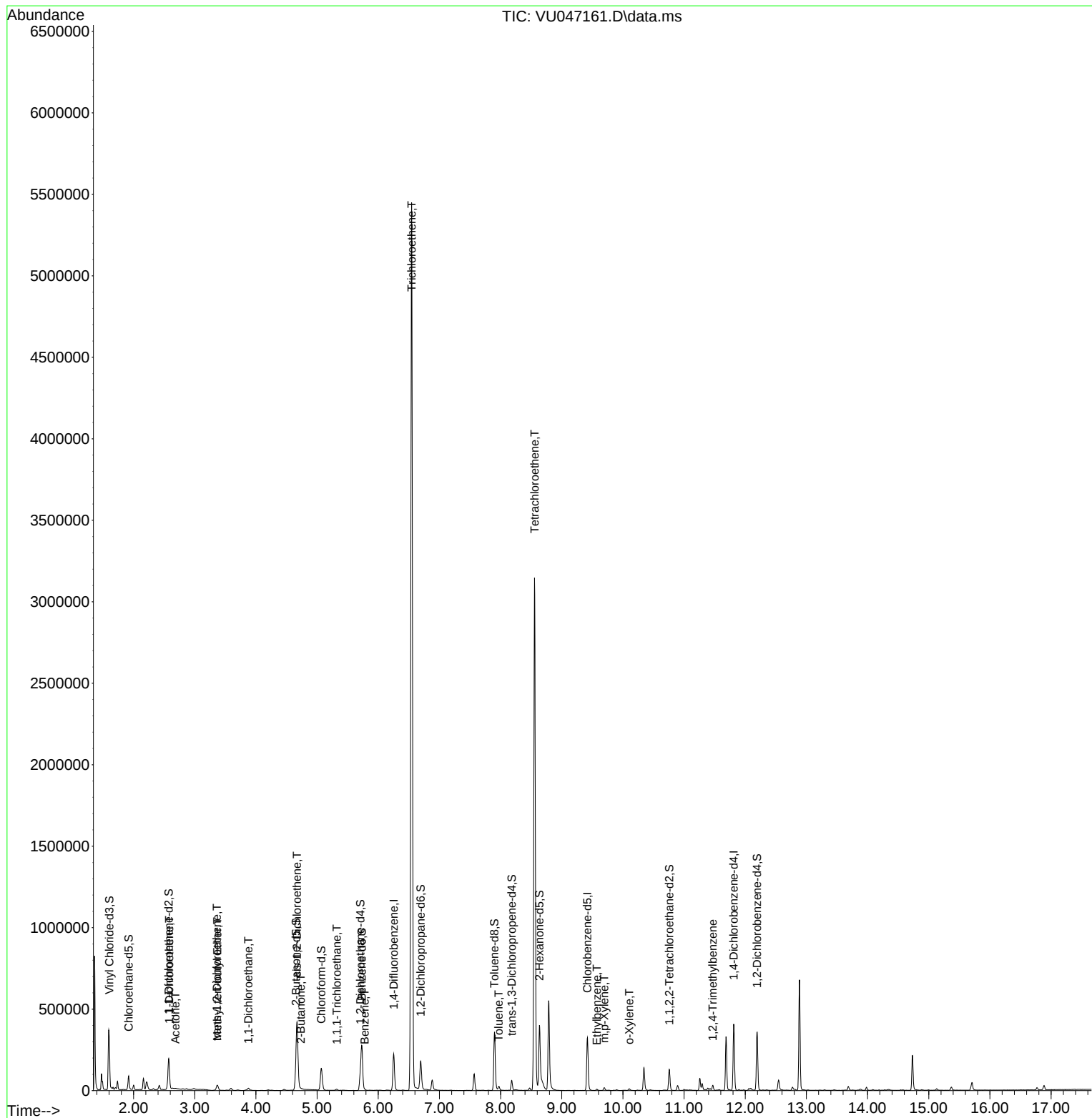
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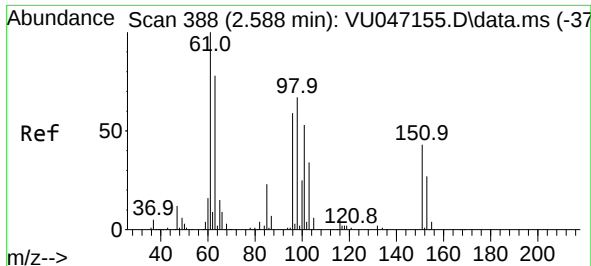
Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 16 13:52:04 2022
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.845 ug/L

RT: 2.584 min Scan# 388

Delta R.T. -0.003 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

BFXZ9

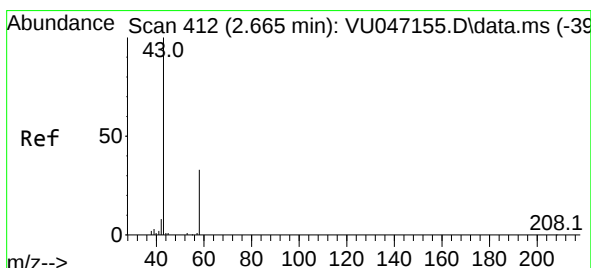
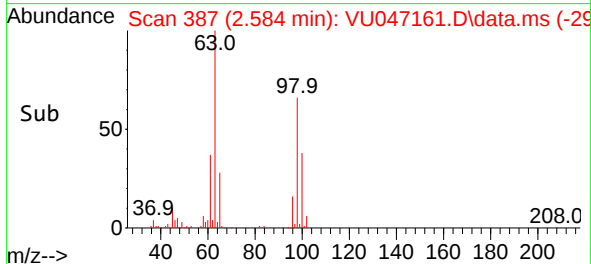
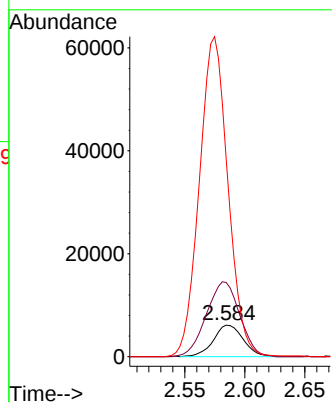
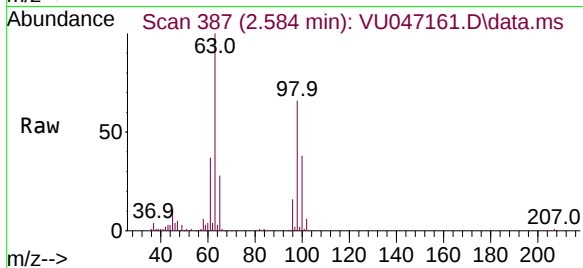
Tgt Ion: 96 Resp: 10617

Ion Ratio Lower Upper

96 100

61 234.9 124.7 231.5#

63 628.3 105.2 195.4#



#13

Acetone

Concen: 4.614 ug/L

RT: 2.684 min Scan# 418

Delta R.T. 0.019 min

Lab File: VU047161.D

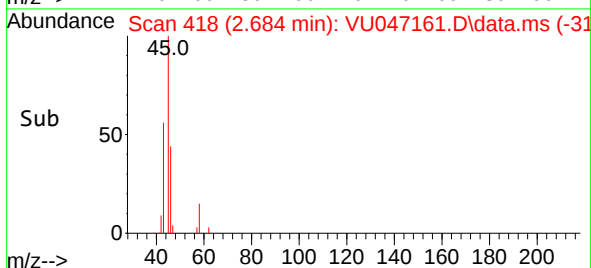
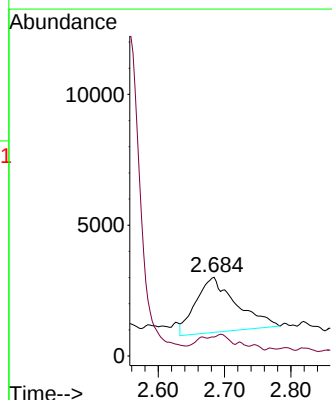
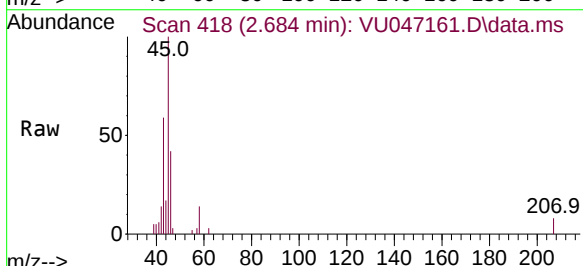
Acq: 16 Feb 2022 15:15

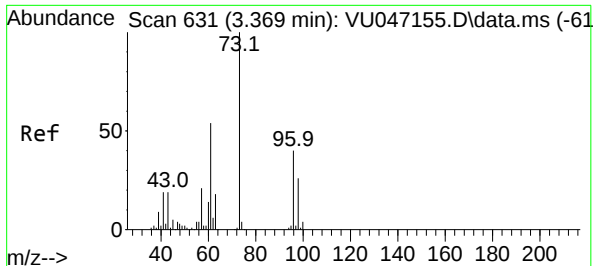
Tgt Ion: 43 Resp: 8908

Ion Ratio Lower Upper

43 100

58 0.0 0.0 71.6





#17

Methyl tert-butyl Ether

Concen: 0.926 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

BFXZ9

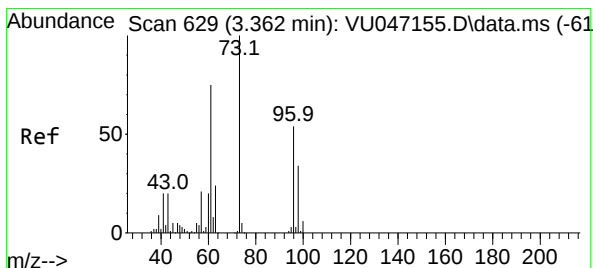
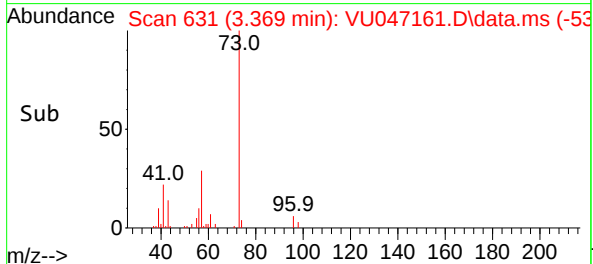
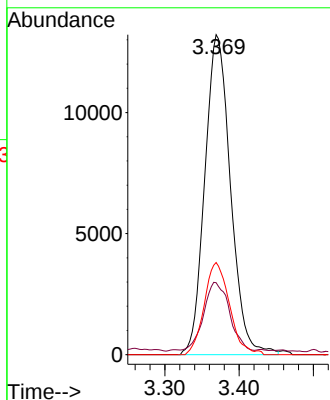
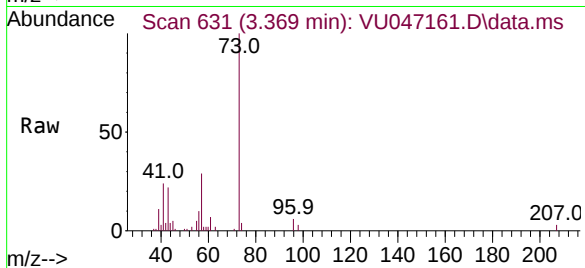
Tgt Ion: 73 Resp: 31808

Ion Ratio Lower Upper

73 100

43 21.1 14.8 22.2

57 28.0 17.4 26.0#



#18

trans-1,2-Dichloroethene

Concen: 0.131 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

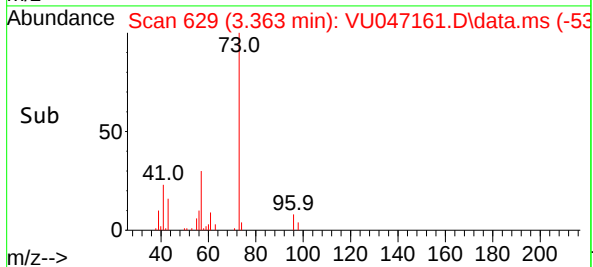
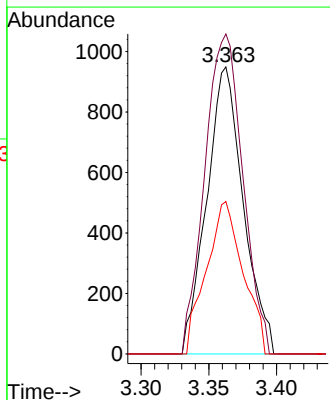
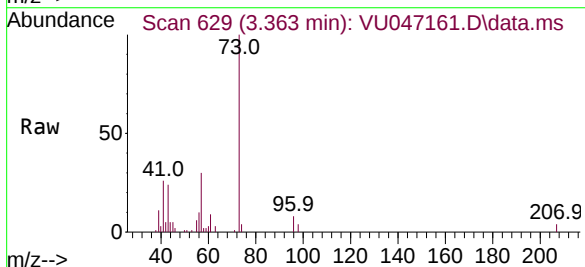
Tgt Ion: 96 Resp: 1783

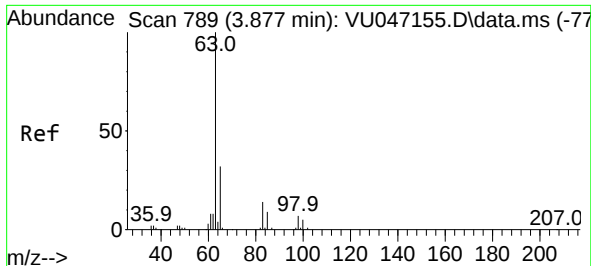
Ion Ratio Lower Upper

96 100

61 111.5 100.8 187.2

98 53.1 45.1 83.7





#19

1,1-Dichloroethane

Concen: 0.638 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

BFXZ9

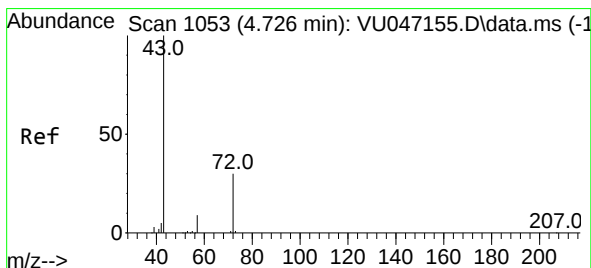
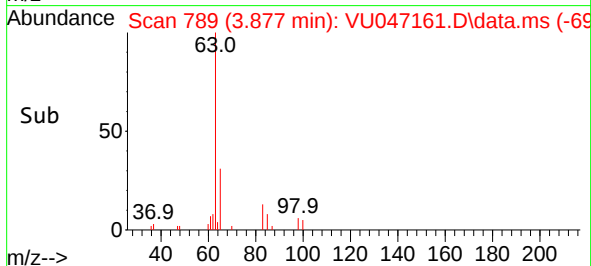
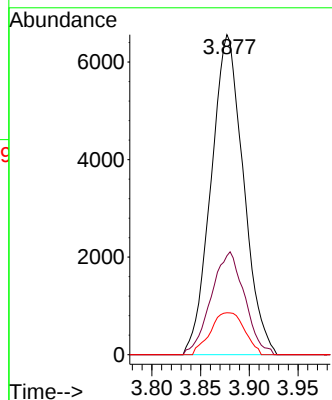
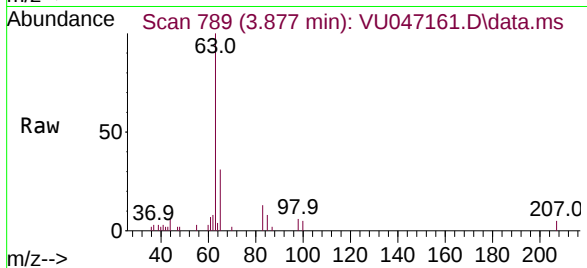
Tgt Ion: 63 Resp: 15144

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 13.1 9.6 17.8



#21

2-Butanone

Concen: 1.759 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.010 min

Lab File: VU047161.D

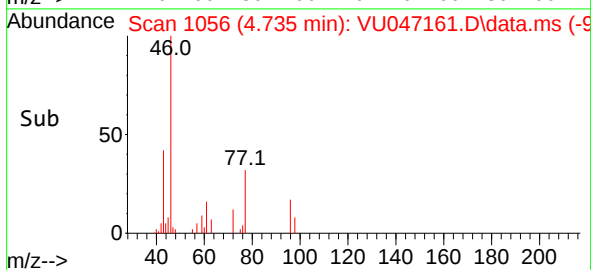
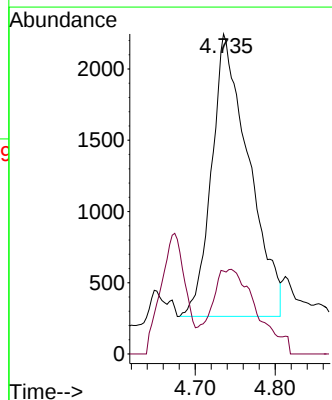
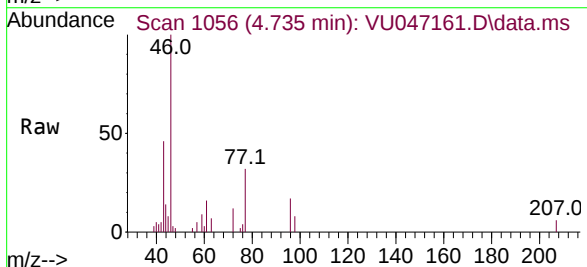
Acq: 16 Feb 2022 15:15

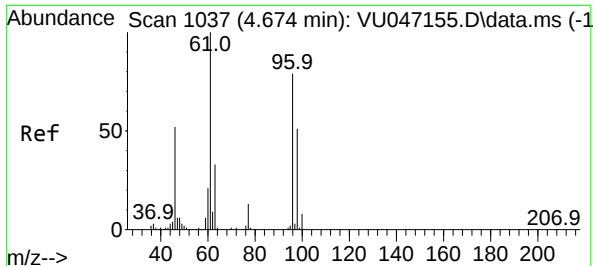
Tgt Ion: 43 Resp: 6377

Ion Ratio Lower Upper

43 100

72 27.4 14.1 42.3

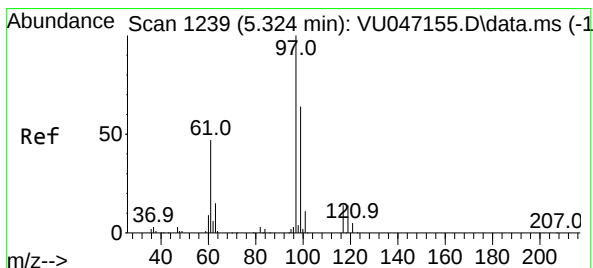
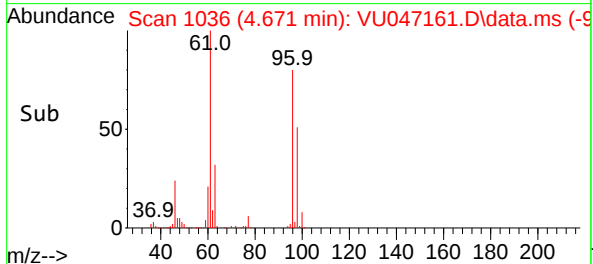
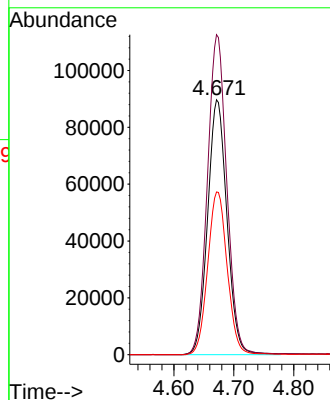
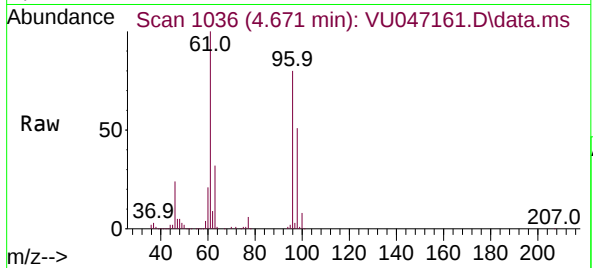




#22
 cis-1,2-Dichloroethene
 Concen: 13.623 ug/L
 RT: 4.671 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU047161.D
 Acq: 16 Feb 2022 15:15

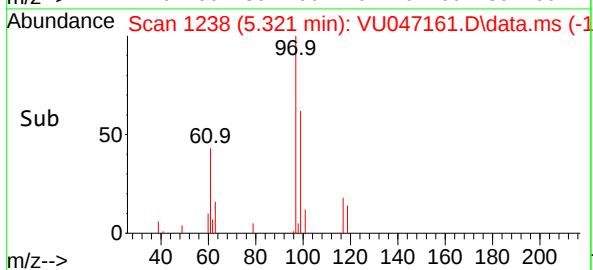
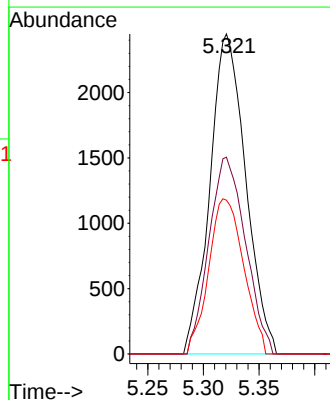
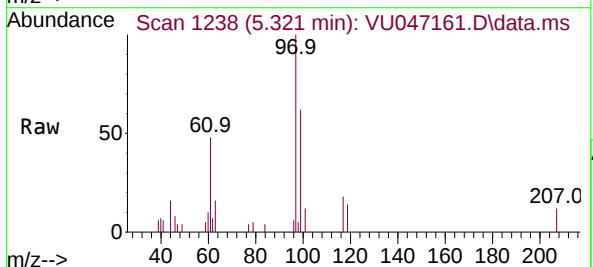
Instrument :
 MSVOA_U
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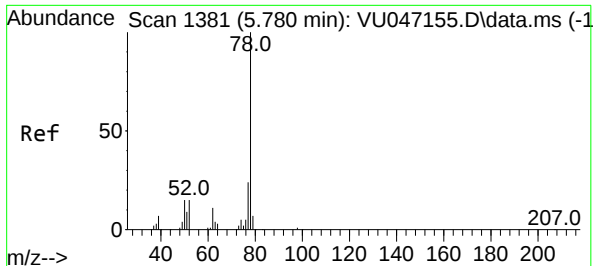
Tgt Ion: 96 Resp: 201417
 Ion Ratio Lower Upper
 96 100
 61 125.6 88.5 164.3
 98 63.9 44.4 82.5



#29
 1,1,1-Trichloroethane
 Concen: 0.261 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.003 min
 Lab File: VU047161.D
 Acq: 16 Feb 2022 15:15

Tgt Ion: 97 Resp: 5479
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.3 76.9
 61 47.4 36.1 54.1

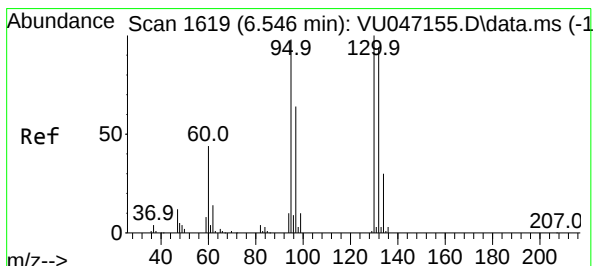
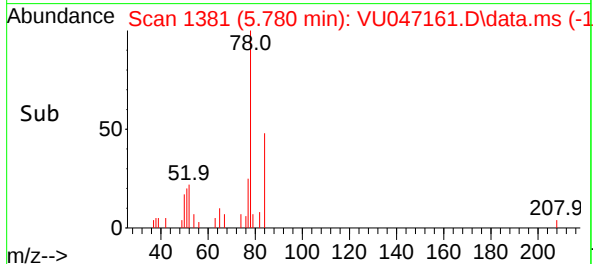
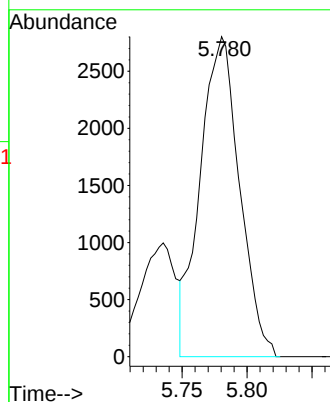
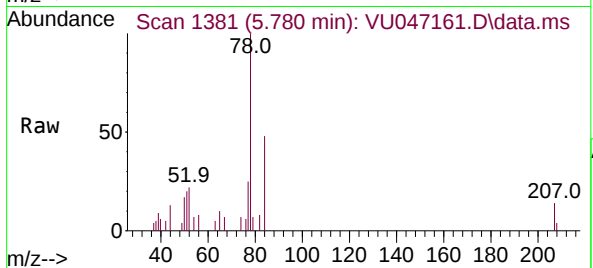




#33
Benzene
Concen: 0.107 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VU047161.D
Acq: 16 Feb 2022 15:15

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

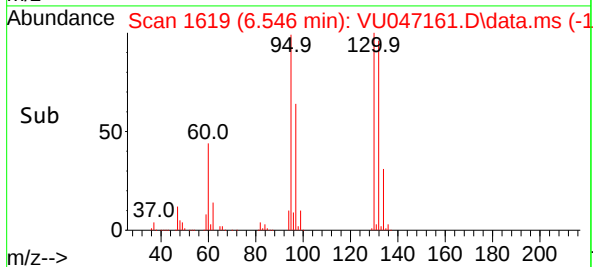
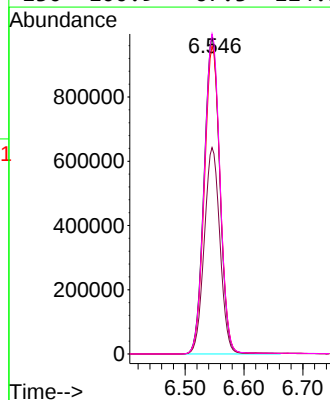
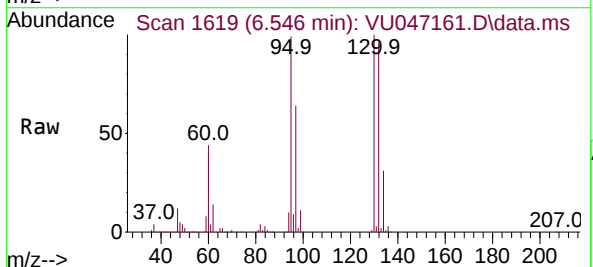
Tgt Ion: 78 Resp: 5908

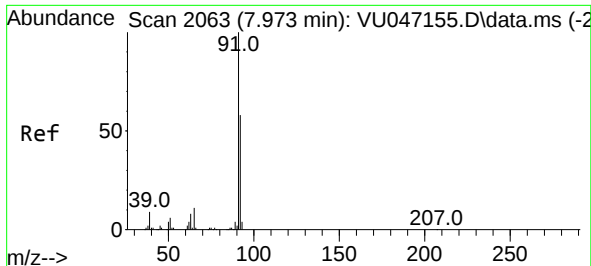


#34
Trichloroethene
Concen: 125.239 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047161.D
Acq: 16 Feb 2022 15:15

Tgt Ion: 95 Resp: 1838565

Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.5	86.5
132	97.1	65.1	120.9
130	100.9	67.3	124.9





#42

Toluene

Concen: 0.299 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

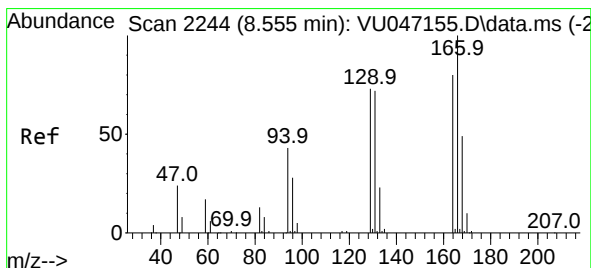
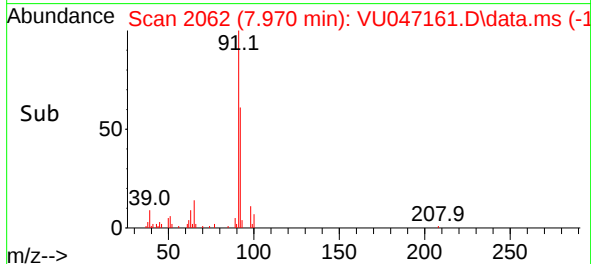
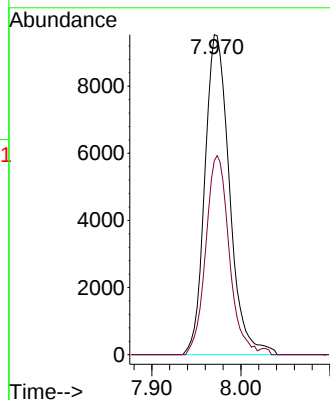
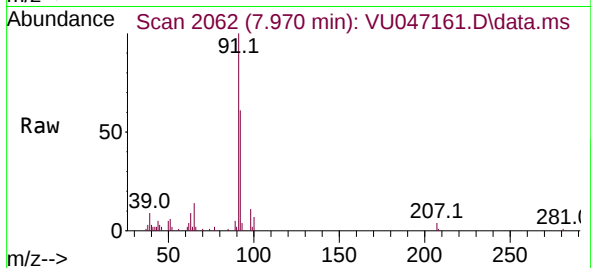
BFXZ9

Tgt Ion: 91 Resp: 18301

Ion Ratio Lower Upper

91 100

92 60.6 41.3 76.7



#47

Tetrachloroethene

Concen: 61.228 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

Tgt Ion: 164 Resp: 729437

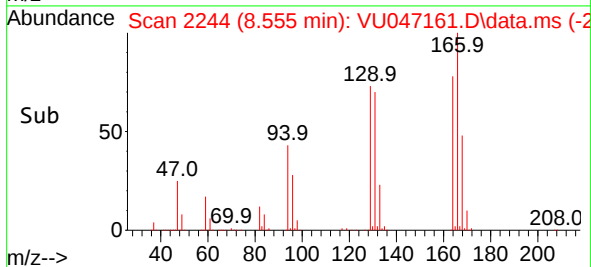
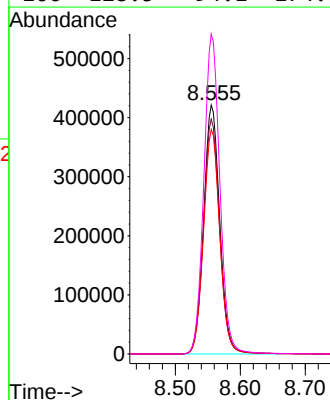
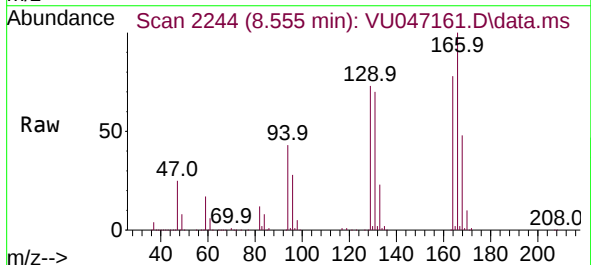
Ion Ratio Lower Upper

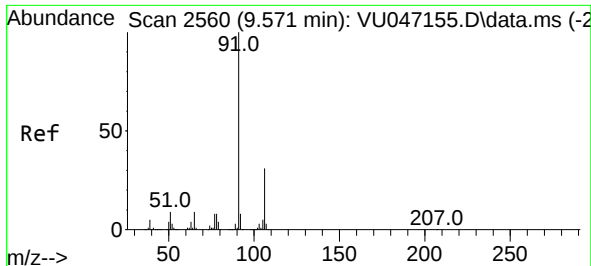
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131 90.1 68.5 127.3

166 128.5 94.1 174.8

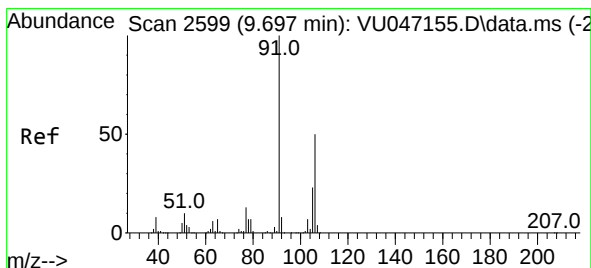
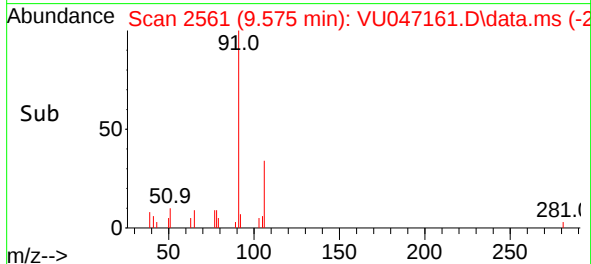
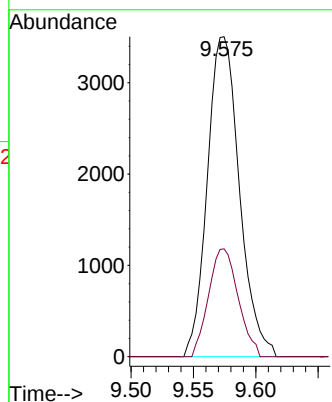
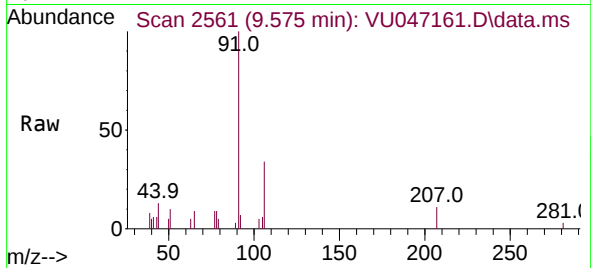




#52
Ethylbenzene
Concen: 0.094 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU047161.D
Acq: 16 Feb 2022 15:15

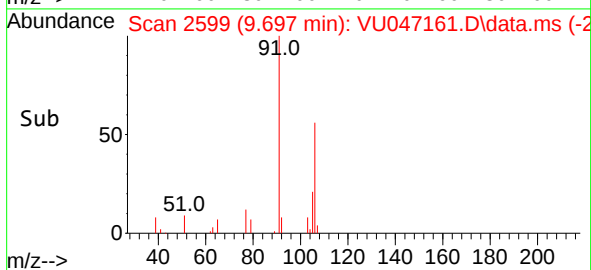
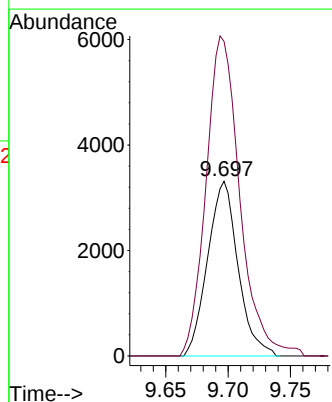
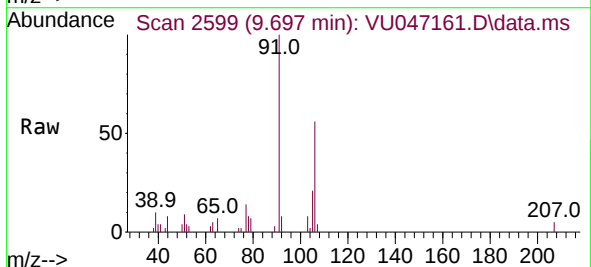
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MSVOA_U
ClientSampleId :
BFXZ9

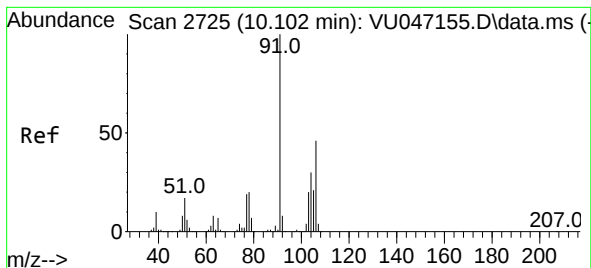
Tgt Ion: 91 Resp: 6284
Ion Ratio Lower Upper
91 100
106 33.7 21.5 39.9



#53
m,p-Xylene
Concen: 0.213 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU047161.D
Acq: 16 Feb 2022 15:15

Tgt Ion: 106 Resp: 5623
Ion Ratio Lower Upper
106 100
91 180.0 139.4 259.0





#54

o-Xylene

Concen: 0.106 ug/L

RT: 10.105 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

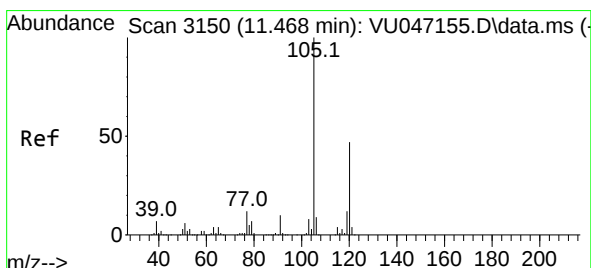
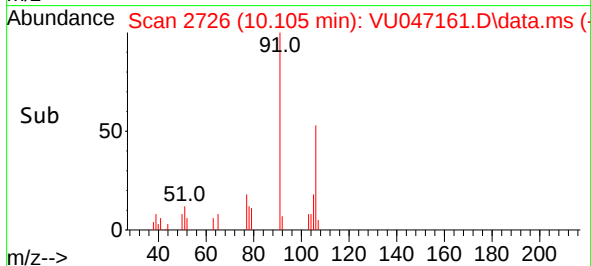
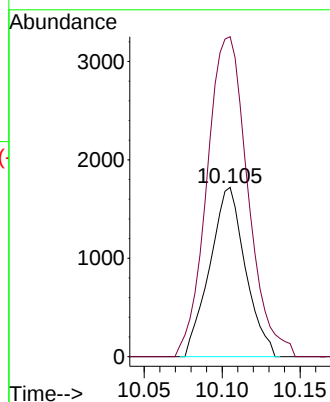
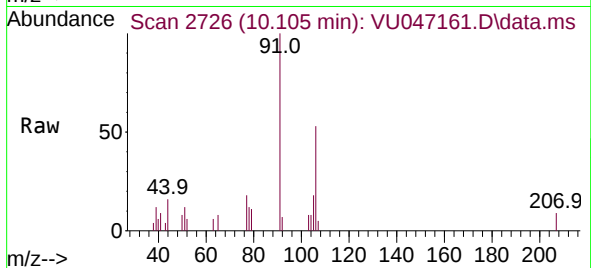
BFXZ9

Tgt Ion:106 Resp: 2731

Ion Ratio Lower Upper

106 100

91 189.1 147.5 273.9



#63

1,2,4-Trimethylbenzene

Concen: 0.161 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047161.D

Acq: 16 Feb 2022 15:15

Tgt Ion:105 Resp: 8904

Ion Ratio Lower Upper

105 100

120 40.5 35.8 53.8

