

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
 Data File : VU047360.D
 Acq On : 07 Mar 2022 12:22
 Operator : SY/MD
 Sample : N1773-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY18

Quant Time: Mar 07 13:10:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 04 23:20:39 2022
 Response via : Initial Calibration

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

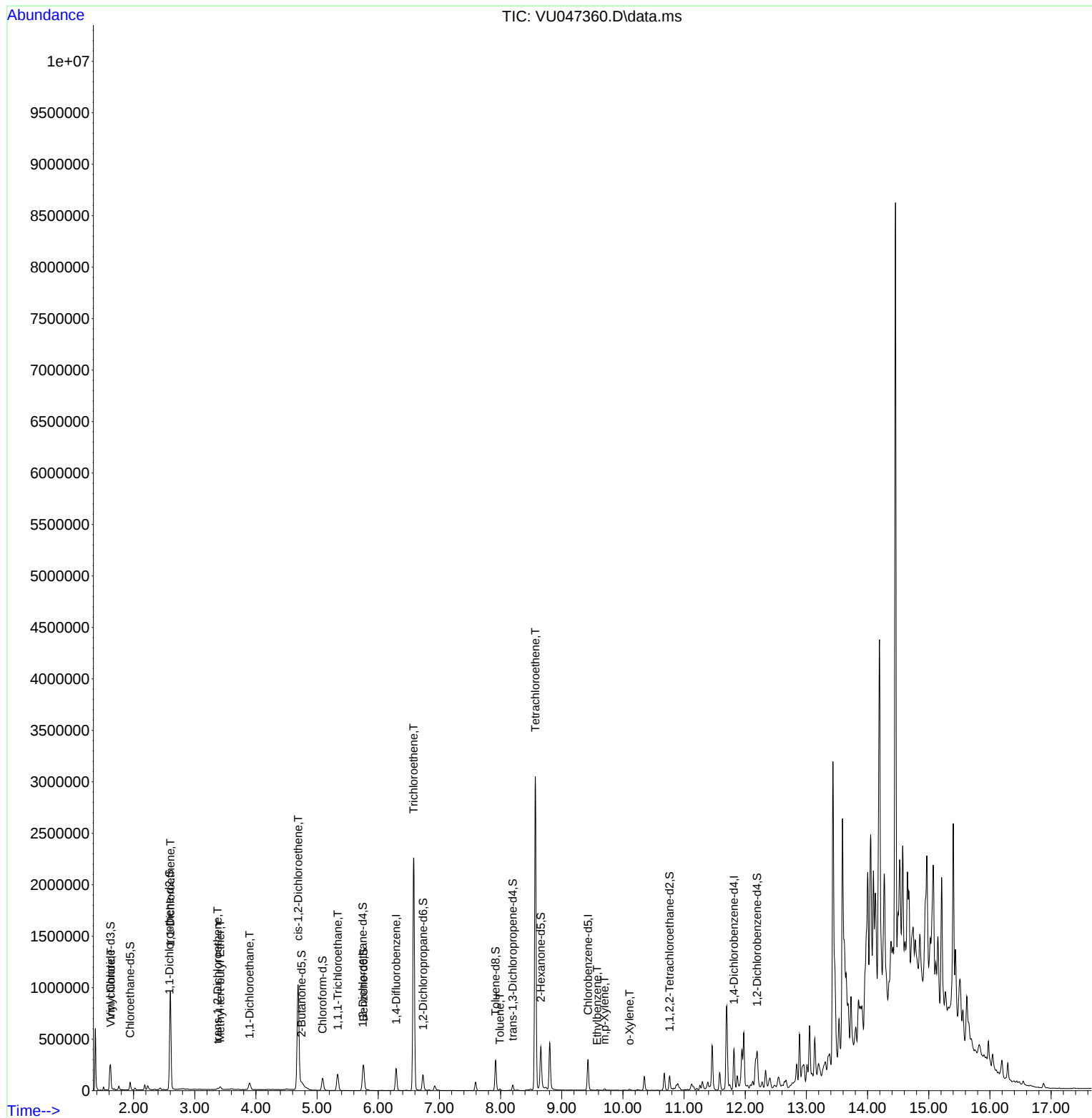
Internal Standards						
1) 1,4-Difluorobenzene	6.292	114	177594	5.000	ug/L	0.04
28) Chlorobenzene-d5	9.430	117	172542	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	96006	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.623	65	55886	4.434	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.944	69	52196	4.964	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.588	65	26317	4.944	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.800%
20) 2-Butanone-d5	4.745	46	206838	49.984	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.960%
24) Chloroform-d	5.089	84	108463	4.657	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.745	65	60745	4.648	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.761	84	214976	4.424	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.732	67	71700	4.737	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.919	98	194754	4.245	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	8.198	79	29534	4.441	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.658	63	170788	45.120	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.240%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	70147	4.549	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	89972	4.782	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.629	62	20533	1.744	ug/L	93
12) 1,1-Dichloroethene	2.600	96	293901	33.763	ug/L #	65
17) Methyl tert-butyl Ether	3.417	73	32520	1.395	ug/L #	92
18) trans-1,2-Dichloroethene	3.375	96	3440	0.364	ug/L	91
19) 1,1-Dichloroethane	3.896	63	71552	4.546	ug/L	100
22) cis-1,2-Dichloroethene	4.690	96	530066	51.506	ug/L	99
29) 1,1,1-Trichloroethane	5.337	97	114315	7.890	ug/L	97
34) Trichloroethene	6.578	95	740571	72.360	ug/L	93
42) Toluene	7.989	91	10235	0.243	ug/L	95
47) Tetrachloroethene	8.568	164	691114	79.268	ug/L	93
52) Ethylbenzene	9.578	91	3698	0.082	ug/L	97
53) m,p-Xylene	9.700	106	4015	0.224	ug/L	96
54) o-Xylene	10.108	106	2285	0.132	ug/L	95

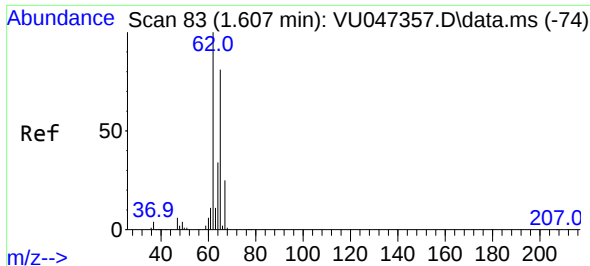
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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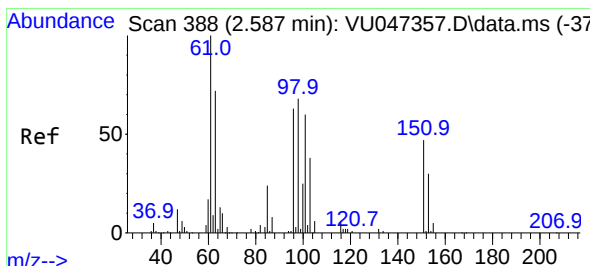
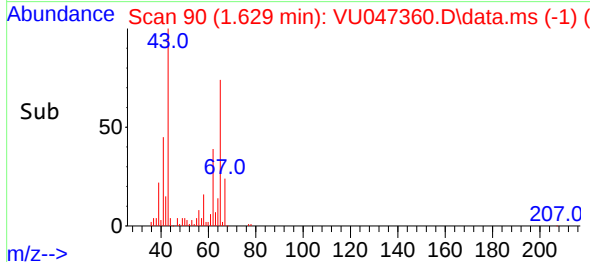
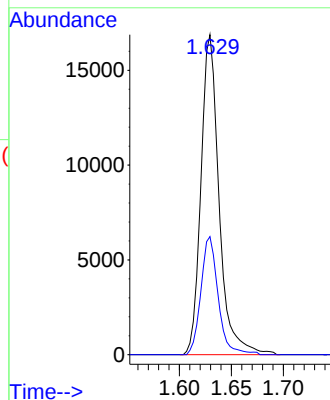
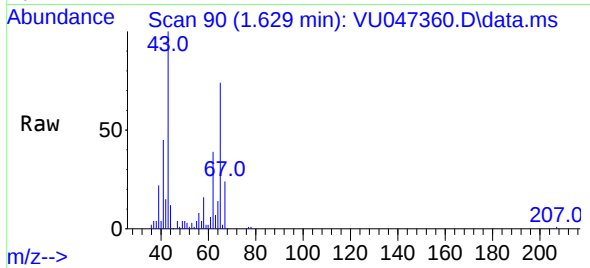




#5
 Vinyl chloride
 Concen: 1.744 ug/L
 RT: 1.629 min Scan# 90
 Delta R.T. 0.022 min
 Lab File: VU047360.D
 Acq: 07 Mar 2022 12:22

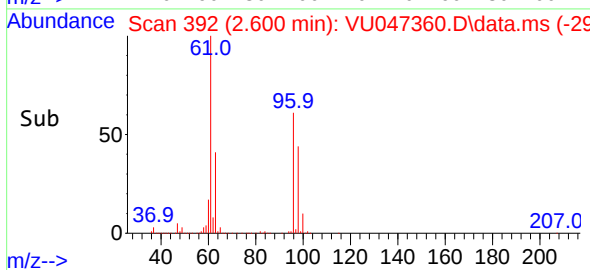
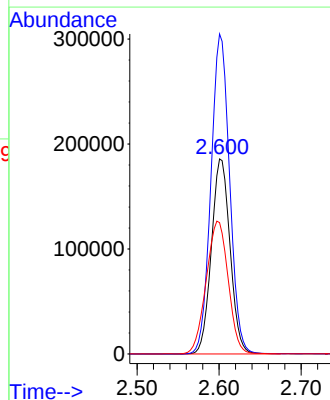
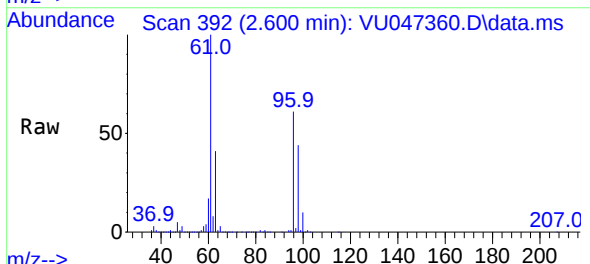
Instrument :
 MSVOA_U
 ClientSampleId :
 BFY18

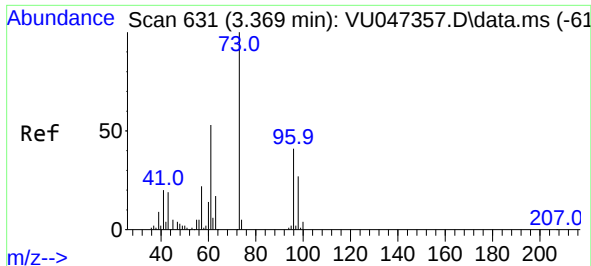
Tgt Ion: 62 Resp: 20533
 Ion Ratio Lower Upper
 62 100
 64 36.9 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 33.763 ug/L
 RT: 2.600 min Scan# 392
 Delta R.T. 0.013 min
 Lab File: VU047360.D
 Acq: 07 Mar 2022 12:22

Tgt Ion: 96 Resp: 293901
 Ion Ratio Lower Upper
 96 100
 61 164.1 124.7 231.5
 63 67.4 105.2 195.4#

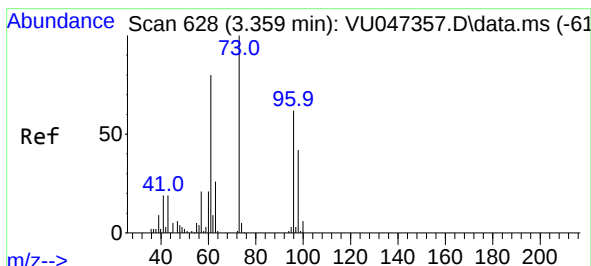
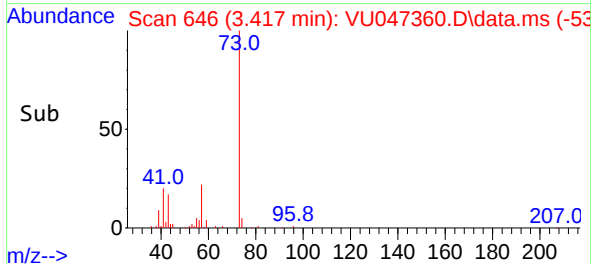
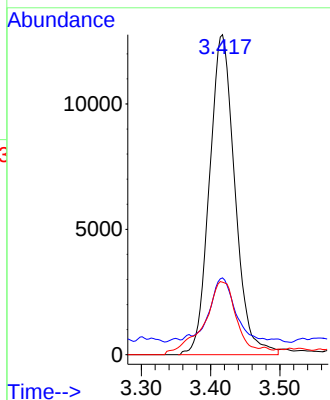
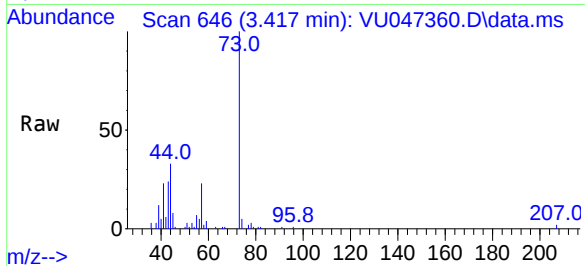




#17
Methyl tert-butyl Ether
Concen: 1.395 ug/L
RT: 3.417 min Scan# 641
Delta R.T. 0.048 min
Lab File: VU047360.D
Acq: 07 Mar 2022 12:22

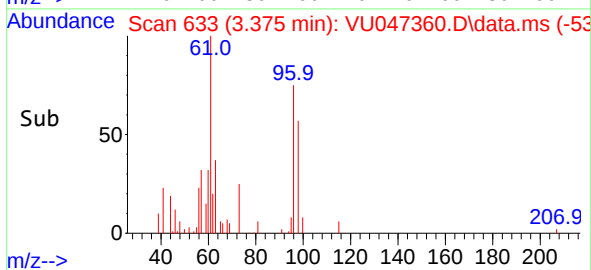
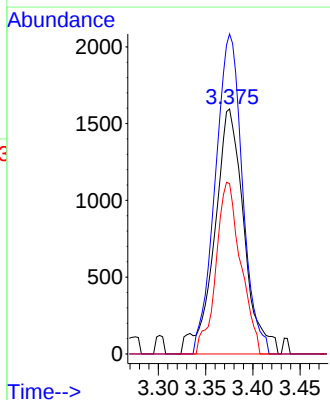
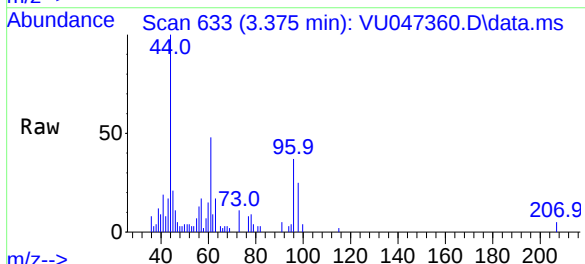
Instrument :
MSVOA_U
ClientSampleId :
BFY18

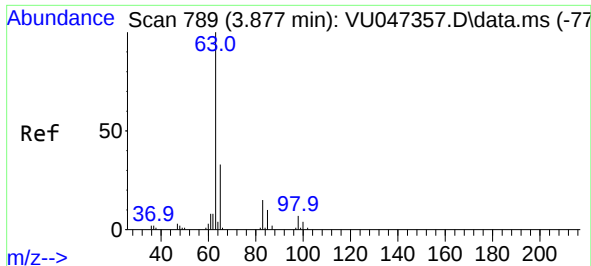
Tgt Ion: 73 Resp: 32520
Ion Ratio Lower Upper
73 100
43 18.3 14.8 22.2
57 28.7 17.4 26.0#



#18
trans-1,2-Dichloroethene
Concen: 0.364 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.016 min
Lab File: VU047360.D
Acq: 07 Mar 2022 12:22

Tgt Ion: 96 Resp: 3440
Ion Ratio Lower Upper
96 100
61 130.7 100.8 187.2
98 69.6 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.546 ug/L

RT: 3.896 min Scan# 71

Delta R.T. 0.019 min

Lab File: VU047360.D

Acq: 07 Mar 2022 12:22

Instrument :

MSVOA_U

ClientSampleId :

BFY18

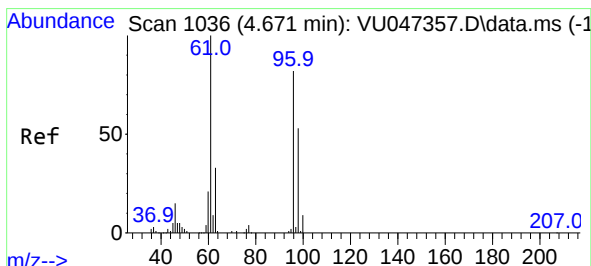
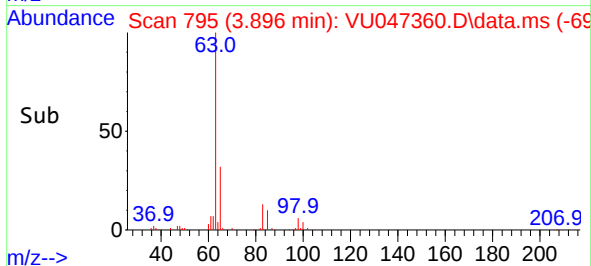
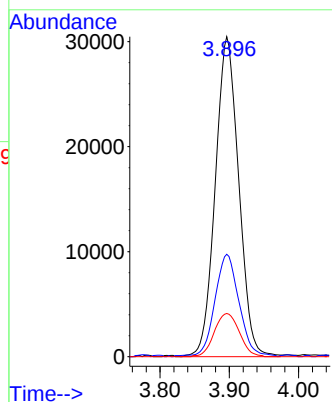
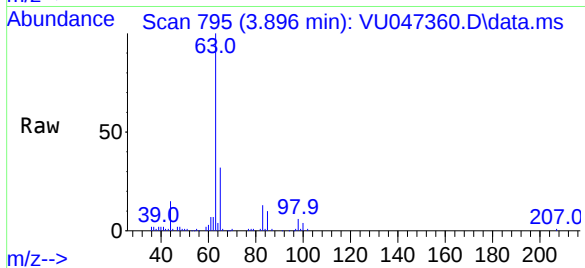
Tgt Ion: 63 Resp: 71552

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

83 13.5 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 51.506 ug/L

RT: 4.690 min Scan# 1042

Delta R.T. 0.019 min

Lab File: VU047360.D

Acq: 07 Mar 2022 12:22

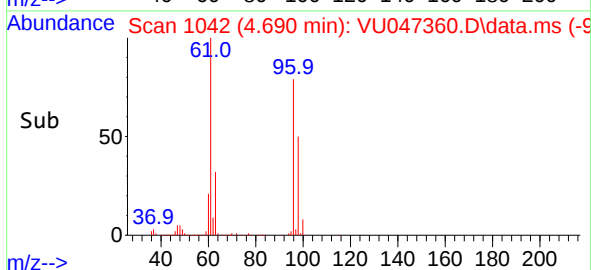
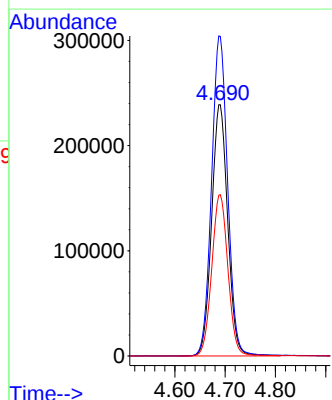
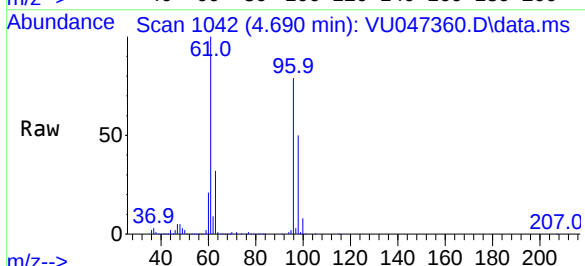
Tgt Ion: 96 Resp: 530066

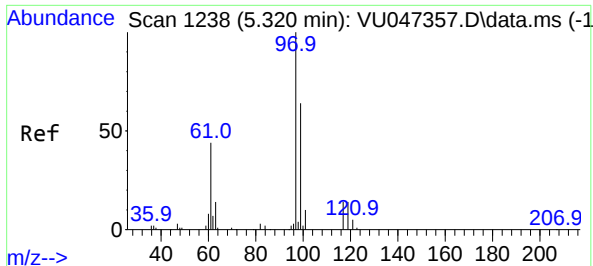
Ion Ratio Lower Upper

96 100

61 127.2 88.5 164.3

98 64.2 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 7.890 ug/L

RT: 5.337 min Scan# 11

Delta R.T. 0.016 min

Lab File: VU047360.D

Acq: 07 Mar 2022 12:22

Instrument :

MSVOA_U

ClientSampleId :

BFY18

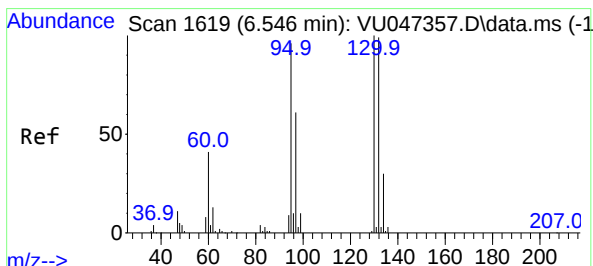
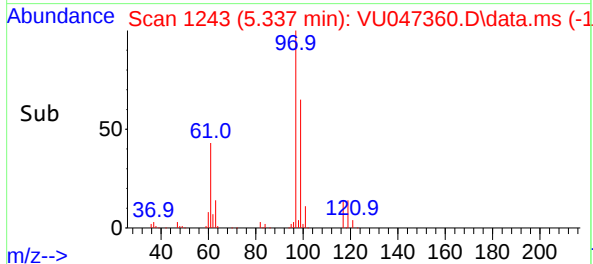
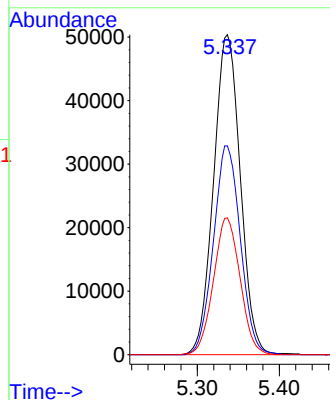
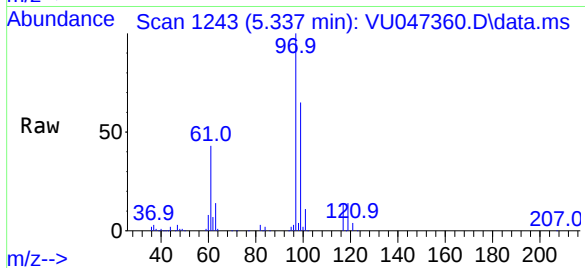
Tgt Ion: 97 Resp: 114315

Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

61 42.7 36.1 54.1



#34

Trichloroethene

Concen: 72.360 ug/L

RT: 6.578 min Scan# 1629

Delta R.T. 0.032 min

Lab File: VU047360.D

Acq: 07 Mar 2022 12:22

Tgt Ion: 95 Resp: 740571

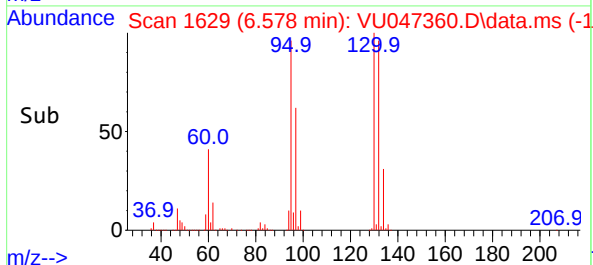
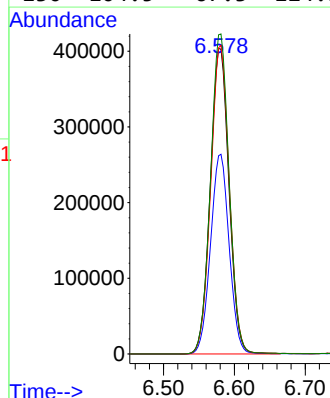
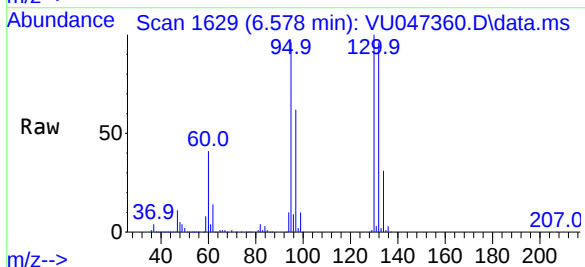
Ion Ratio Lower Upper

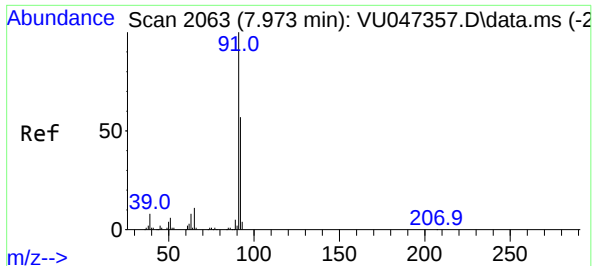
95 100

97 64.9 46.5 86.5

132 100.3 65.1 120.9

130 104.5 67.3 124.9





#42

Toluene

Concen: 0.243 ug/L

RT: 7.989 min Scan# 2063

Delta R.T. 0.019 min

Lab File: VU047360.D

Acq: 07 Mar 2022 12:22

Instrument :

MSVOA_U

ClientSampleId :

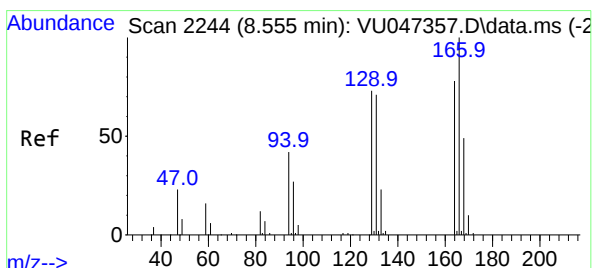
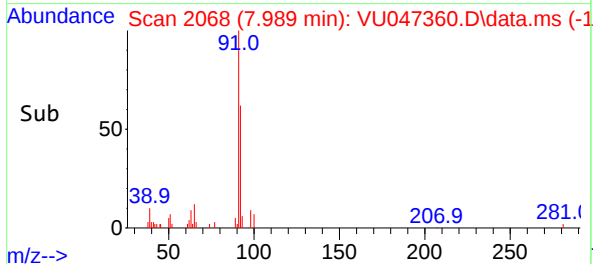
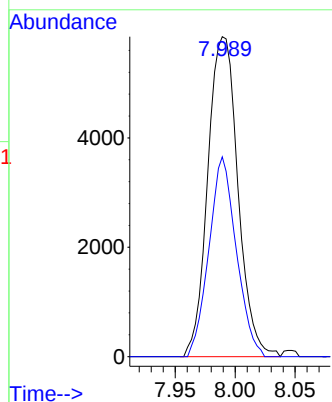
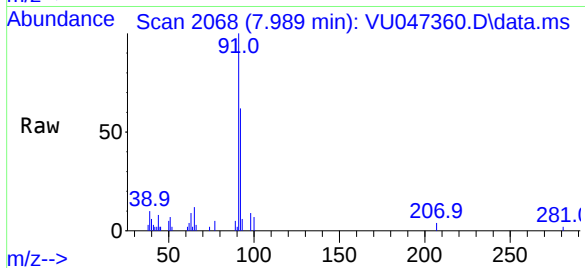
BFY18

Tgt Ion: 91 Resp: 10235

Ion Ratio Lower Upper

91 100

92 62.4 41.3 76.7



#47

Tetrachloroethene

Concen: 79.268 ug/L

RT: 8.568 min Scan# 2248

Delta R.T. 0.013 min

Lab File: VU047360.D

Acq: 07 Mar 2022 12:22

Tgt Ion: 164 Resp: 691114

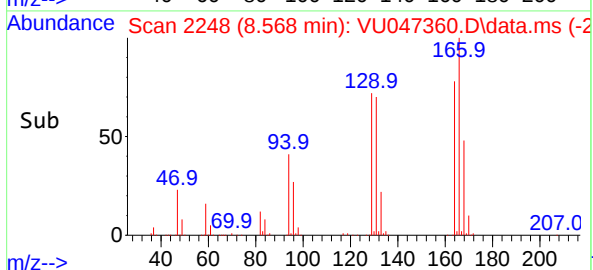
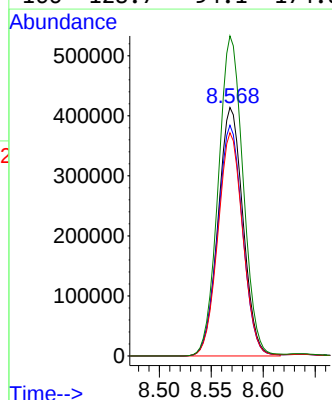
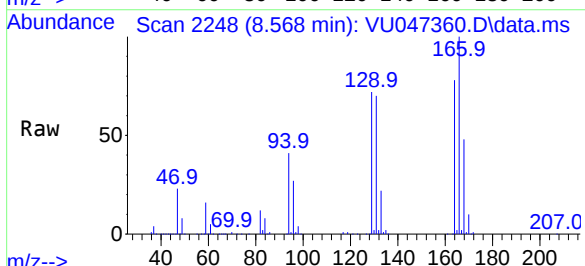
Ion Ratio Lower Upper

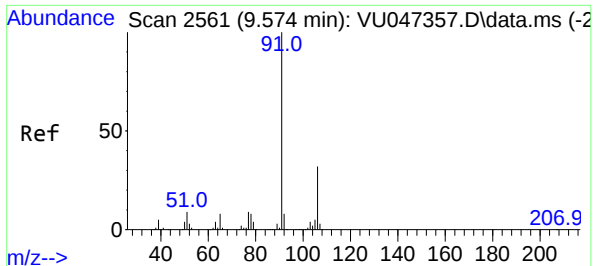
164 100

129 92.8 71.8 133.4

131 89.8 68.5 127.3

166 128.7 94.1 174.8





#52

Ethylbenzene

Concen: 0.082 ug/L

RT: 9.578 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU047360.D

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ClientSampleId :

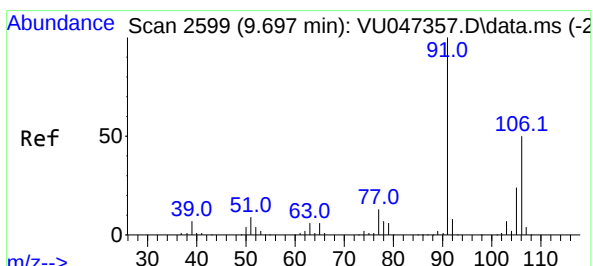
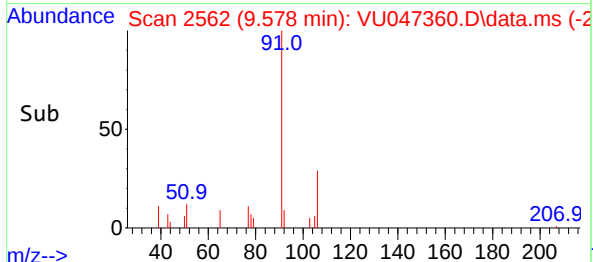
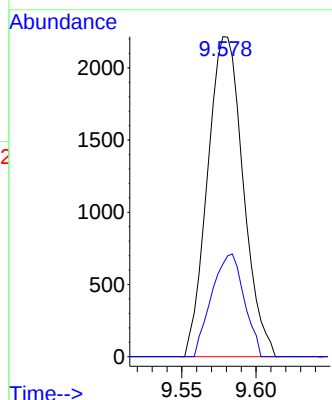
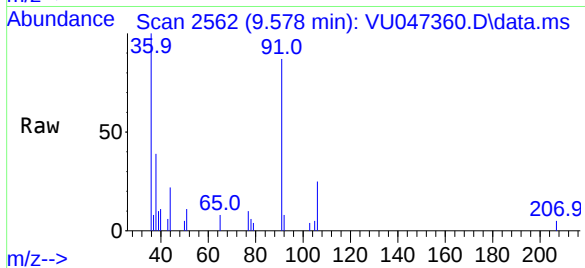
BFY18

Tgt Ion: 91 Resp: 3698

Ion Ratio Lower Upper

91 100

106 29.0 21.5 39.9



#53

m,p-Xylene

Concen: 0.224 ug/L

RT: 9.700 min Scan# 2600

Delta R.T. 0.003 min

Lab File: VU047360.D

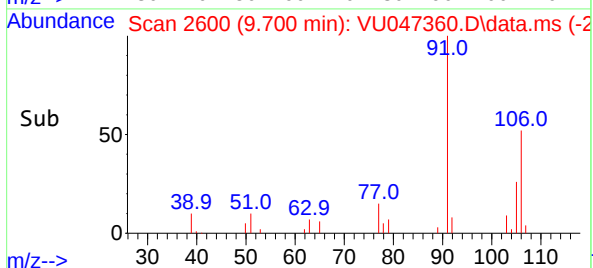
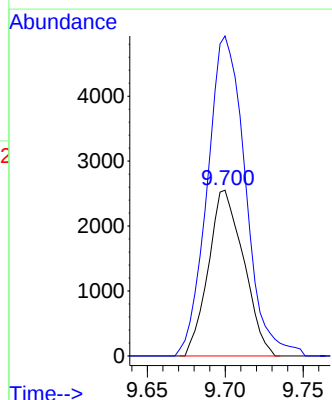
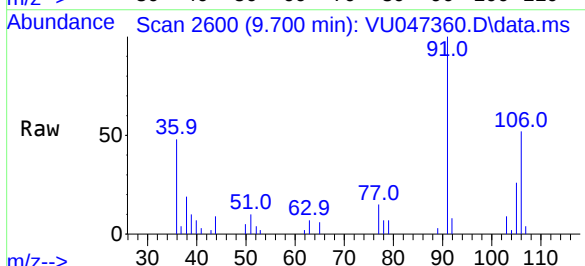
Acq: 07 Mar 2022 12:22

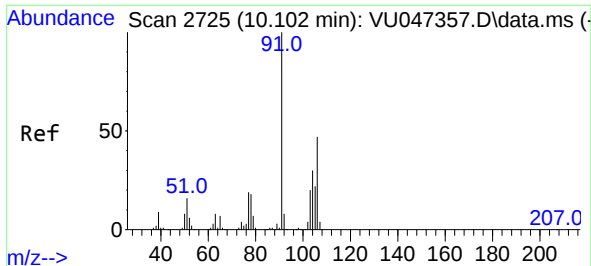
Tgt Ion: 106 Resp: 4015

Ion Ratio Lower Upper

106 100

91 193.1 139.4 259.0





#54

o-Xylene

Concen: 0.132 ug/L

RT: 10.108 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU047360.D

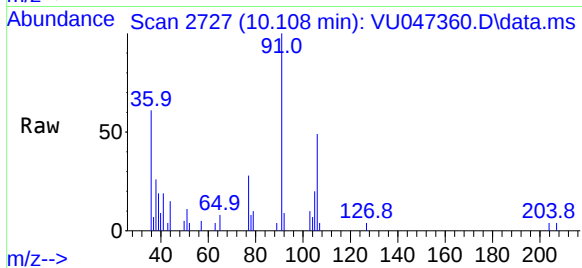
Acq: 07 Mar 2022 12:22

Instrument :

MSVOA_U

ClientSampleId :

BFY18



Tgt Ion:106 Resp: 2285

Ion Ratio Lower Upper

106 100

91 202.3 147.5 273.9

