

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
 Data File : VU047361.D
 Acq On : 07 Mar 2022 12:46
 Operator : SY/MD
 Sample : N1773-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY19

Quant Time: Mar 07 13:11:16 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)

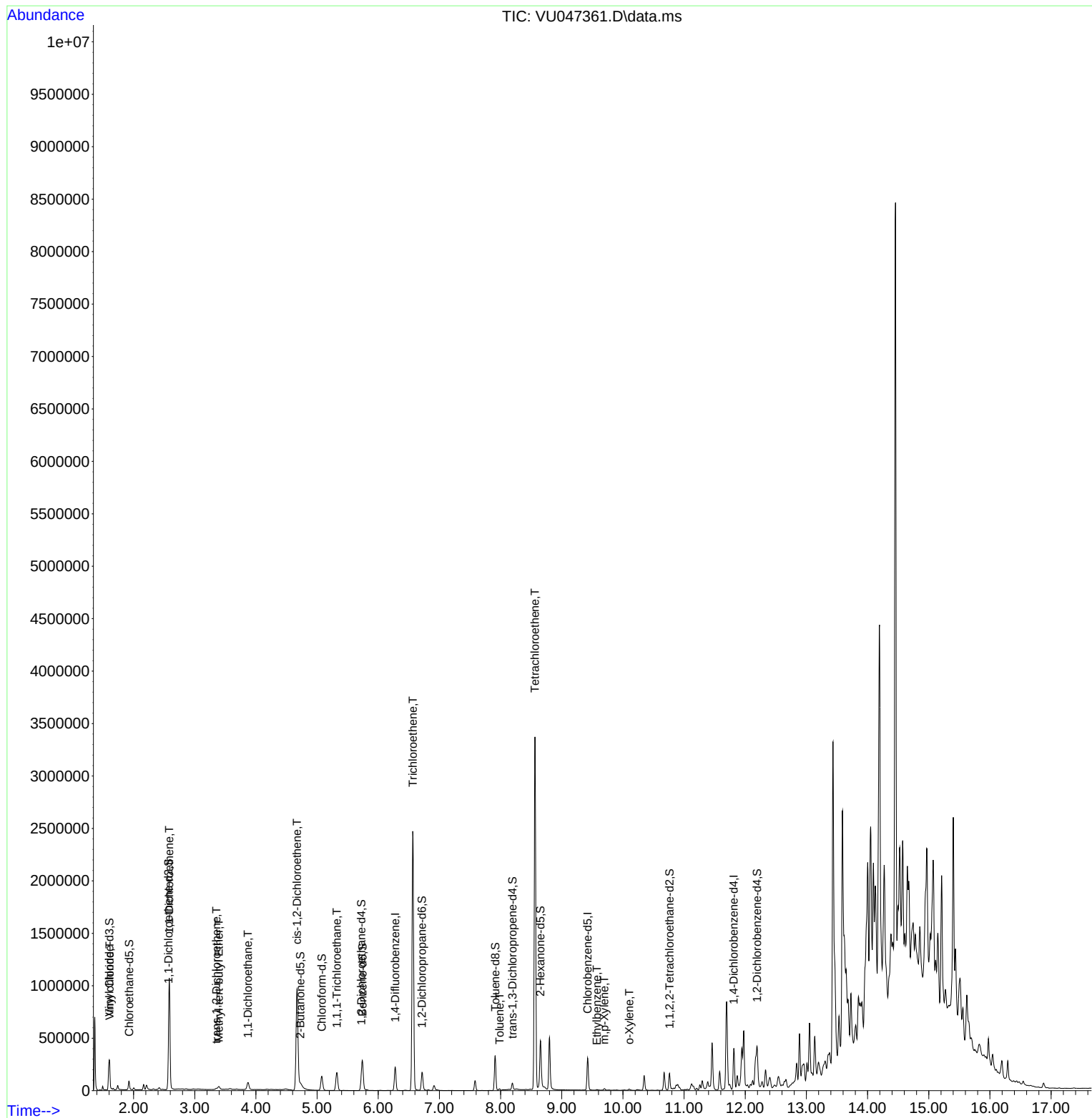
Internal Standards						
1) 1,4-Difluorobenzene	6.279	114	187289	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.423	117	180621	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99559	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.607	65	66245	4.983	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.600%
7) Chloroethane-d5	1.925	69	60284	5.436	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.572	65	29336	5.226	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.600%
20) 2-Butanone-d5	4.726	46	182590	41.840	ug/L	0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.680%
24) Chloroform-d	5.076	84	124337	5.063	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.726	65	69638	5.052	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.742	84	246395	4.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.716	67	81156	5.122	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.400%
41) Toluene-d8	7.912	98	224955	4.683	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.192	79	34697	4.984	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.652	63	188095	47.469	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.940%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	79011	4.895	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	101974	5.227	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.610	62	22592	1.819	ug/L	94
12) 1,1-Dichloroethene	2.584	96	330535	36.006	ug/L #	61
17) Methyl tert-butyl Ether	3.395	73	35253	1.434	ug/L #	92
18) trans-1,2-Dichloroethene	3.353	96	4031	0.404	ug/L	85
19) 1,1-Dichloroethane	3.871	63	76296	4.597	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	527259	48.581	ug/L	94
29) 1,1,1-Trichloroethane	5.324	97	125721	8.289	ug/L	97
34) Trichloroethene	6.565	95	810916	75.689	ug/L	93
42) Toluene	7.983	91	11590	0.262	ug/L	96
47) Tetrachloroethene	8.562	164	775857	85.008	ug/L	92
52) Ethylbenzene	9.575	91	3993	0.084	ug/L	100
53) m,p-Xylene	9.697	106	4621	0.246	ug/L	99
54) o-Xylene	10.102	106	2482	0.137	ug/L	100

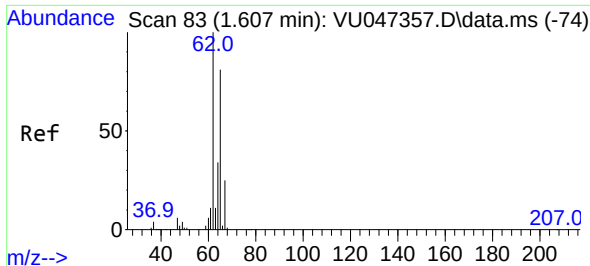
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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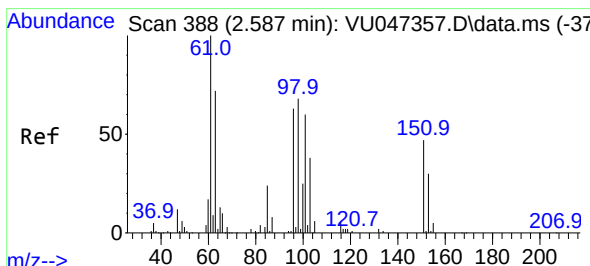
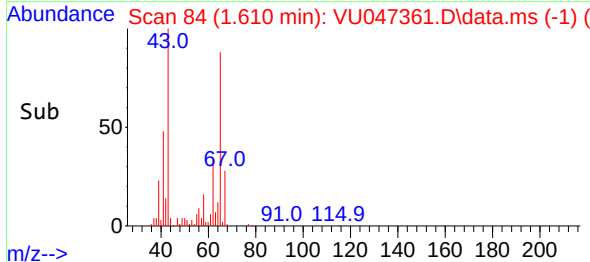
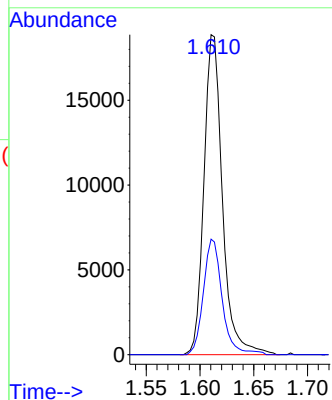
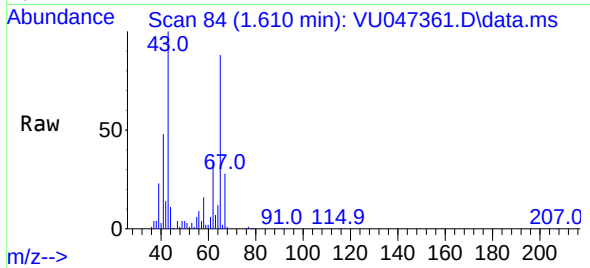




#5
 Vinyl chloride
 Concen: 1.819 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VU047361.D
 Acq: 07 Mar 2022 12:46

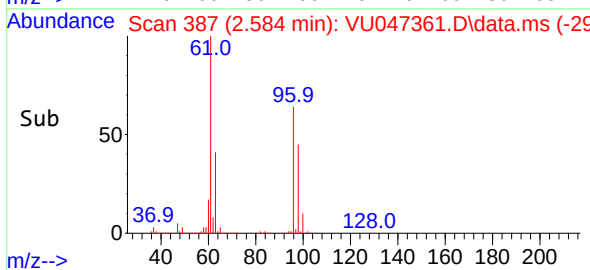
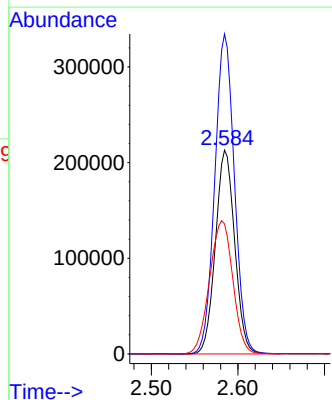
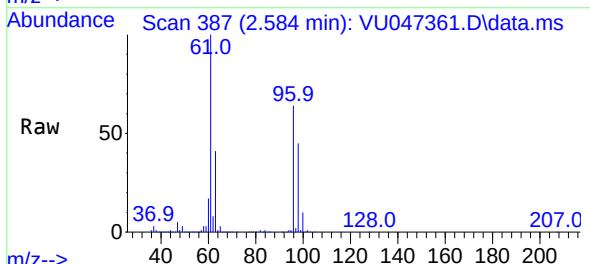
Instrument :
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 ClientSampleId :
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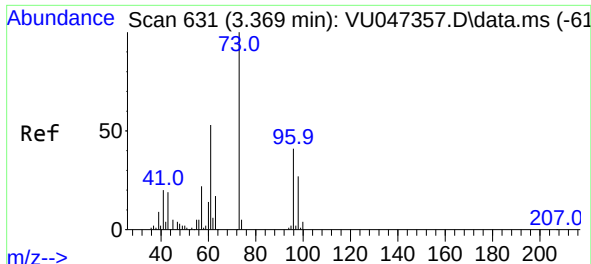
Tgt Ion: 62 Resp: 22592
 Ion Ratio Lower Upper
 62 100
 64 36.1 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 36.006 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047361.D
 Acq: 07 Mar 2022 12:46

Tgt Ion: 96 Resp: 330535
 Ion Ratio Lower Upper
 96 100
 61 156.9 124.7 231.5
 63 63.8 105.2 195.4#

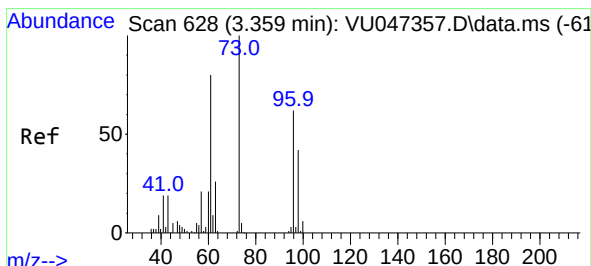
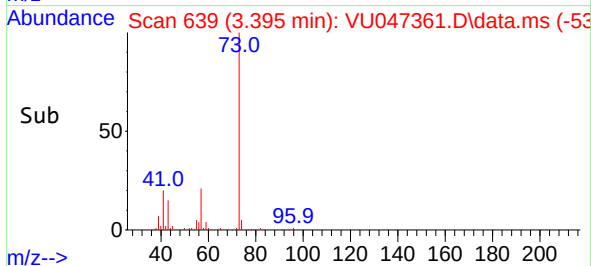
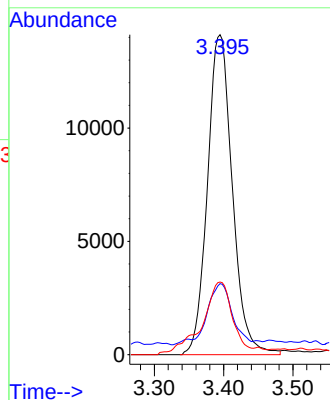
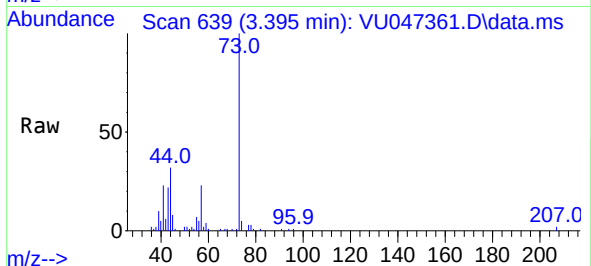




#17
Methyl tert-butyl Ether
Concen: 1.434 ug/L
RT: 3.395 min Scan# 61
Delta R.T. 0.026 min
Lab File: VU047361.D
Acq: 07 Mar 2022 12:46

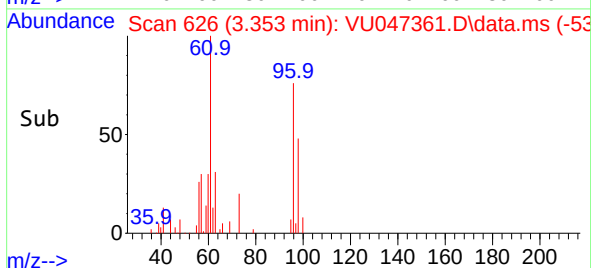
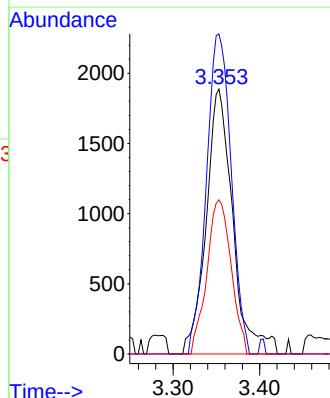
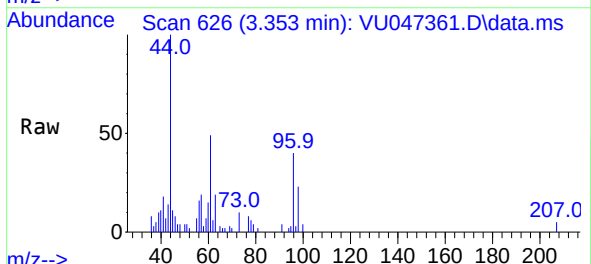
Instrument :
MSVOA_U
ClientSampleId :
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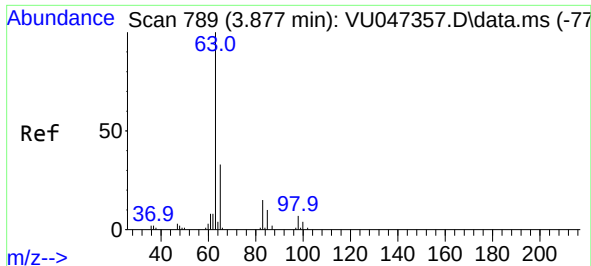
Tgt Ion: 73 Resp: 35253
Ion Ratio Lower Upper
73 100
43 17.7 14.8 22.2
57 27.9 17.4 26.0#



#18
trans-1,2-Dichloroethene
Concen: 0.404 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.006 min
Lab File: VU047361.D
Acq: 07 Mar 2022 12:46

Tgt Ion: 96 Resp: 4031
Ion Ratio Lower Upper
96 100
61 120.8 100.8 187.2
98 58.2 45.1 83.7

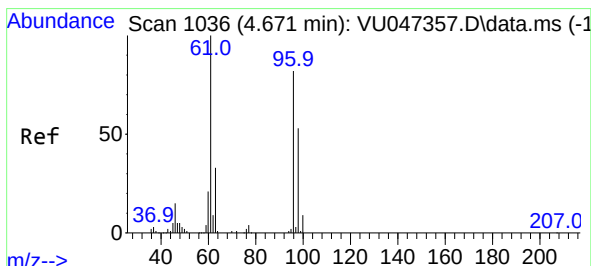
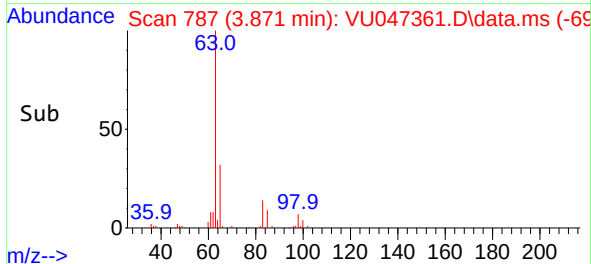
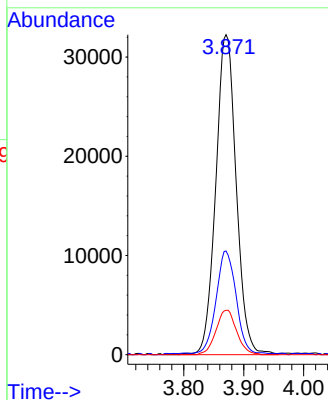
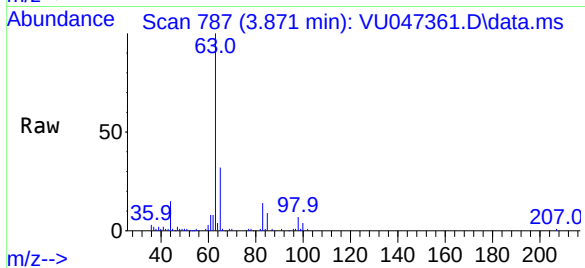




#19
1,1-Dichloroethane
Concen: 4.597 ug/L
RT: 3.871 min Scan# 71
Delta R.T. -0.006 min
Lab File: VU047361.D
Acq: 07 Mar 2022 12:46

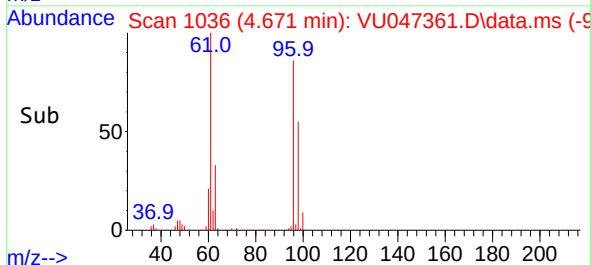
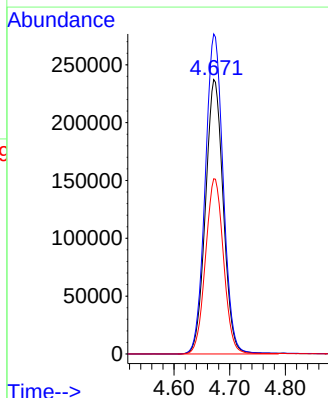
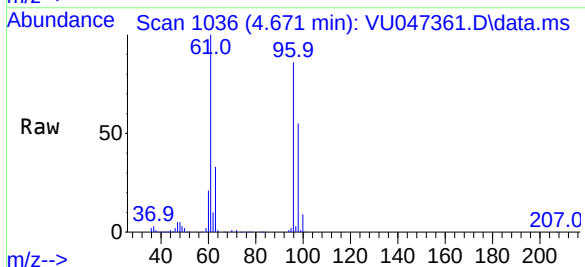
Instrument :
MSVOA_U
ClientSampleId :
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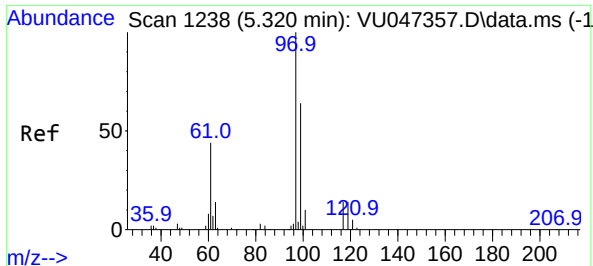
Tgt Ion: 63 Resp: 76296
Ion Ratio Lower Upper
63 100
65 32.4 22.3 41.5
83 13.9 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 48.581 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047361.D
Acq: 07 Mar 2022 12:46

Tgt Ion: 96 Resp: 527259
Ion Ratio Lower Upper
96 100
61 116.6 88.5 164.3
98 63.8 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 8.289 ug/L

RT: 5.324 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU047361.D

Acq: 07 Mar 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

BFY19

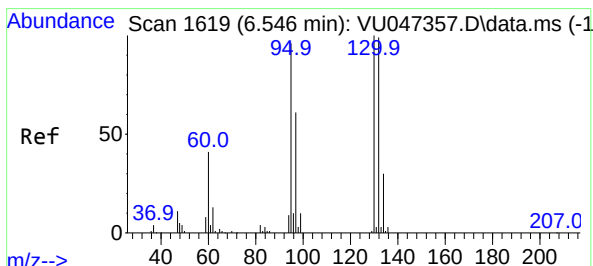
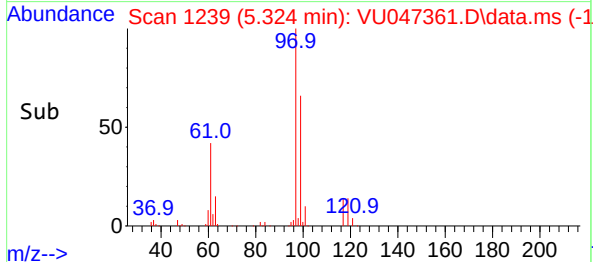
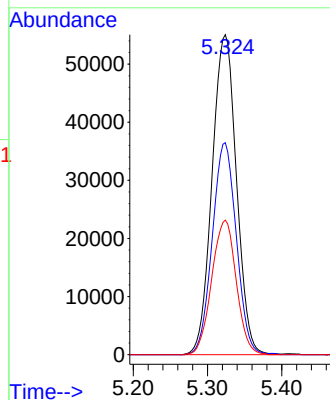
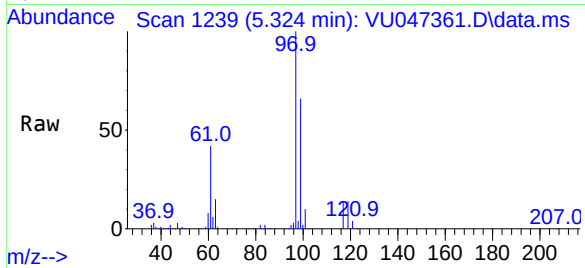
Tgt Ion: 97 Resp: 125721

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

61 42.3 36.1 54.1



#34

Trichloroethene

Concen: 75.689 ug/L

RT: 6.565 min Scan# 1625

Delta R.T. 0.019 min

Lab File: VU047361.D

Acq: 07 Mar 2022 12:46

Tgt Ion: 95 Resp: 810916

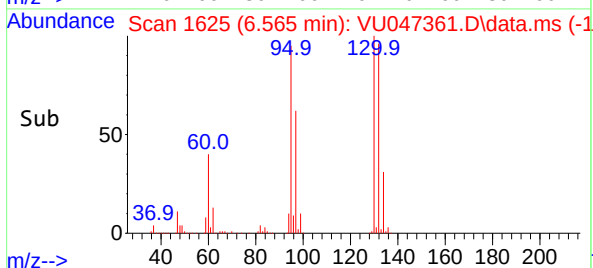
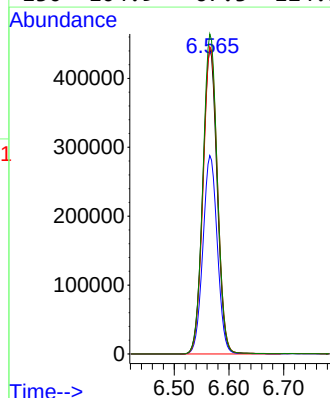
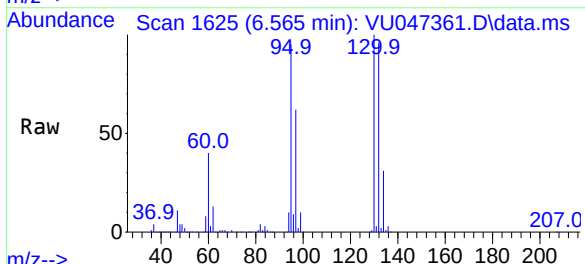
Ion Ratio Lower Upper

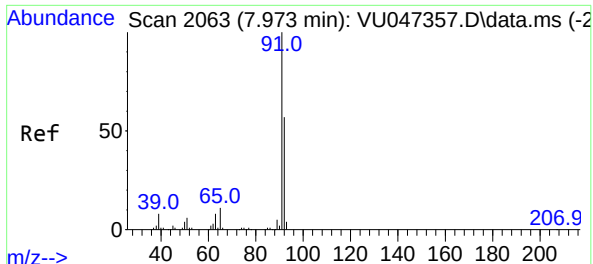
95 100

97 65.0 46.5 86.5

132 100.7 65.1 120.9

130 104.9 67.3 124.9

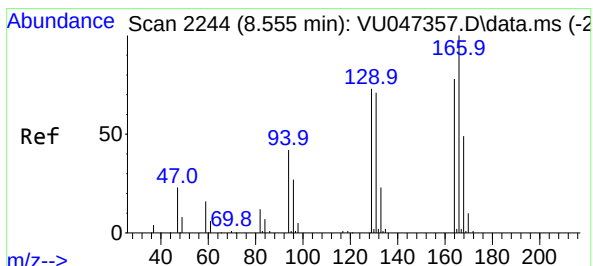
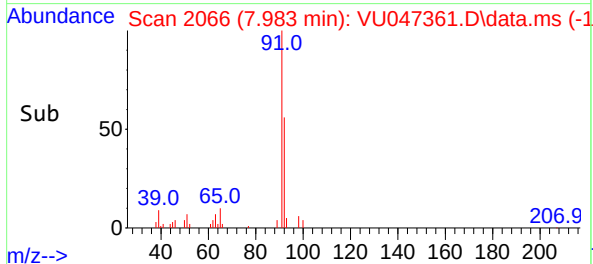
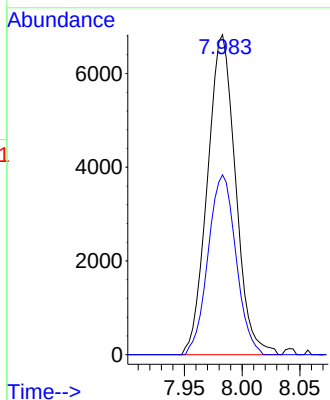
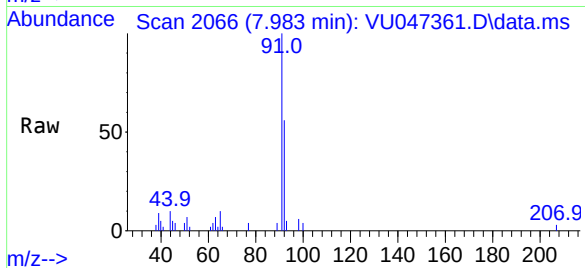




#42
Toluene
Concen: 0.262 ug/L
RT: 7.983 min Scan# 2063
Delta R.T. 0.013 min
Lab File: VU047361.D
Acq: 07 Mar 2022 12:46

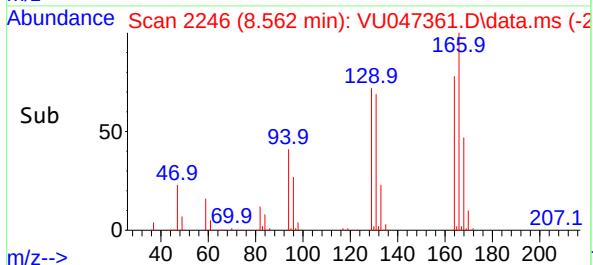
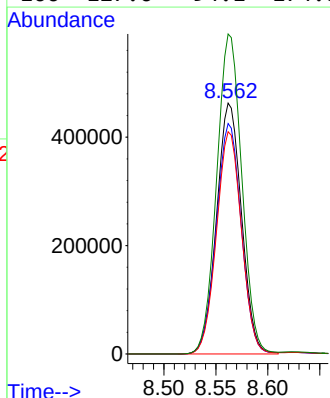
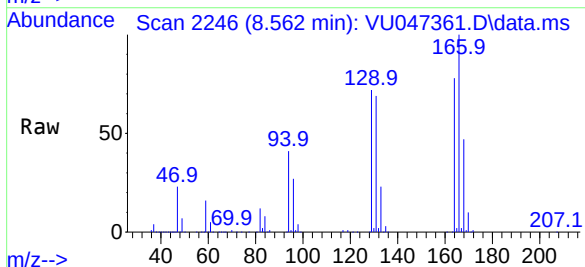
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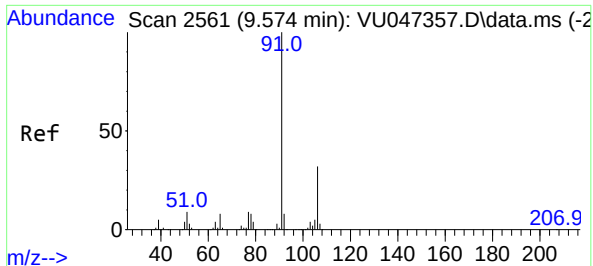
Tgt Ion: 91 Resp: 11590
Ion Ratio Lower Upper
91 100
92 56.2 41.3 76.7



#47
Tetrachloroethene
Concen: 85.008 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.006 min
Lab File: VU047361.D
Acq: 07 Mar 2022 12:46

Tgt Ion: 164 Resp: 775857
Ion Ratio Lower Upper
164 100
129 91.8 71.8 133.4
131 88.6 68.5 127.3
166 127.6 94.1 174.8





#52

Ethylbenzene

Concen: 0.084 ug/L

RT: 9.575 min Scan# 2561

Delta R.T. 0.003 min

Lab File: VU047361.D

Acq: 07 Mar 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

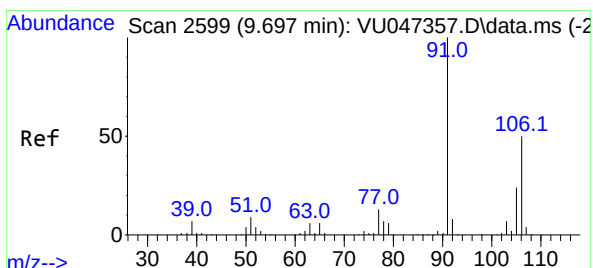
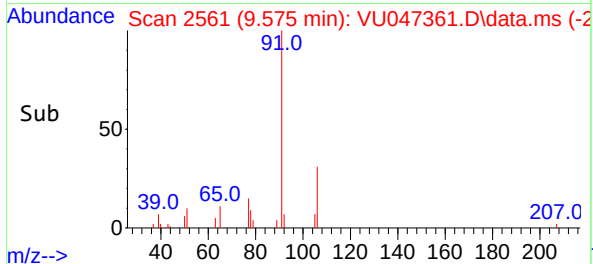
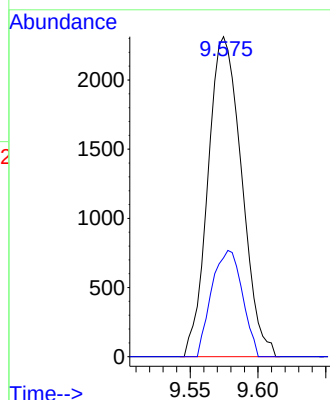
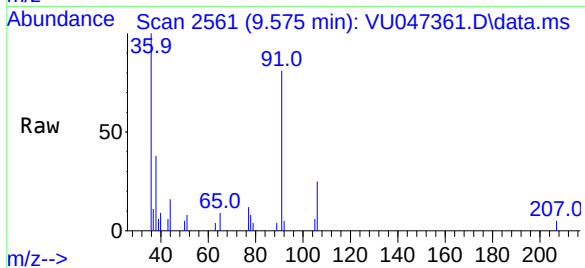
BFY19

Tgt Ion: 91 Resp: 3993

Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



#53

m,p-Xylene

Concen: 0.246 ug/L

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU047361.D

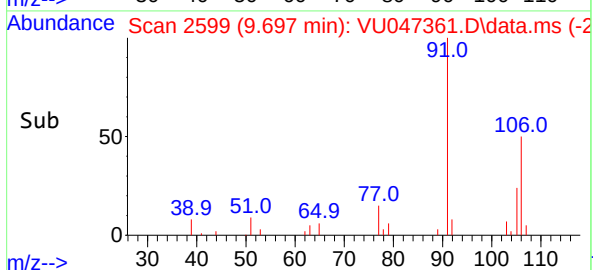
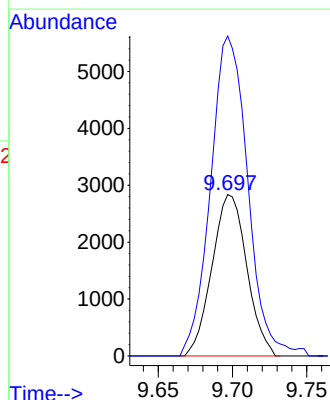
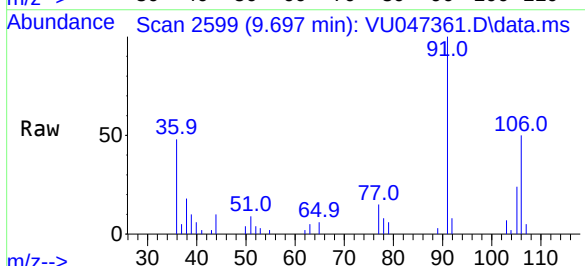
Acq: 07 Mar 2022 12:46

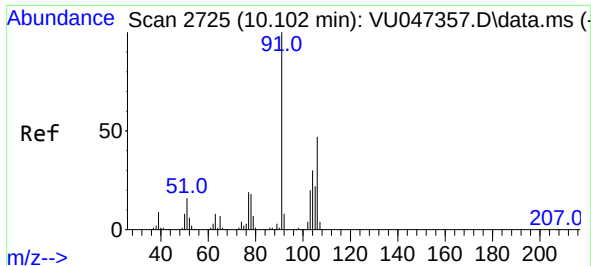
Tgt Ion: 106 Resp: 4621

Ion Ratio Lower Upper

106 100

91 198.2 139.4 259.0





#54

o-Xylene

Concen: 0.137 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047361.D

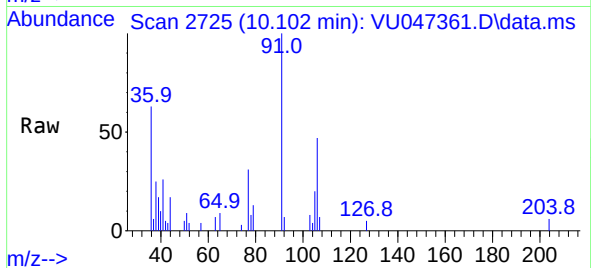
Acq: 07 Mar 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

BFY19



Tgt Ion:106 Resp: 2482

Ion Ratio Lower Upper

106 100

91 210.8 147.5 273.9

