

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021022\
 Data File : VU047088.D
 Acq On : 10 Feb 2022 20:59
 Operator : SY/MD
 Sample : N1462-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4M31

Quant Time: Feb 11 01:16:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 11 01:13:45 2022
 Response via : Initial Calibration

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

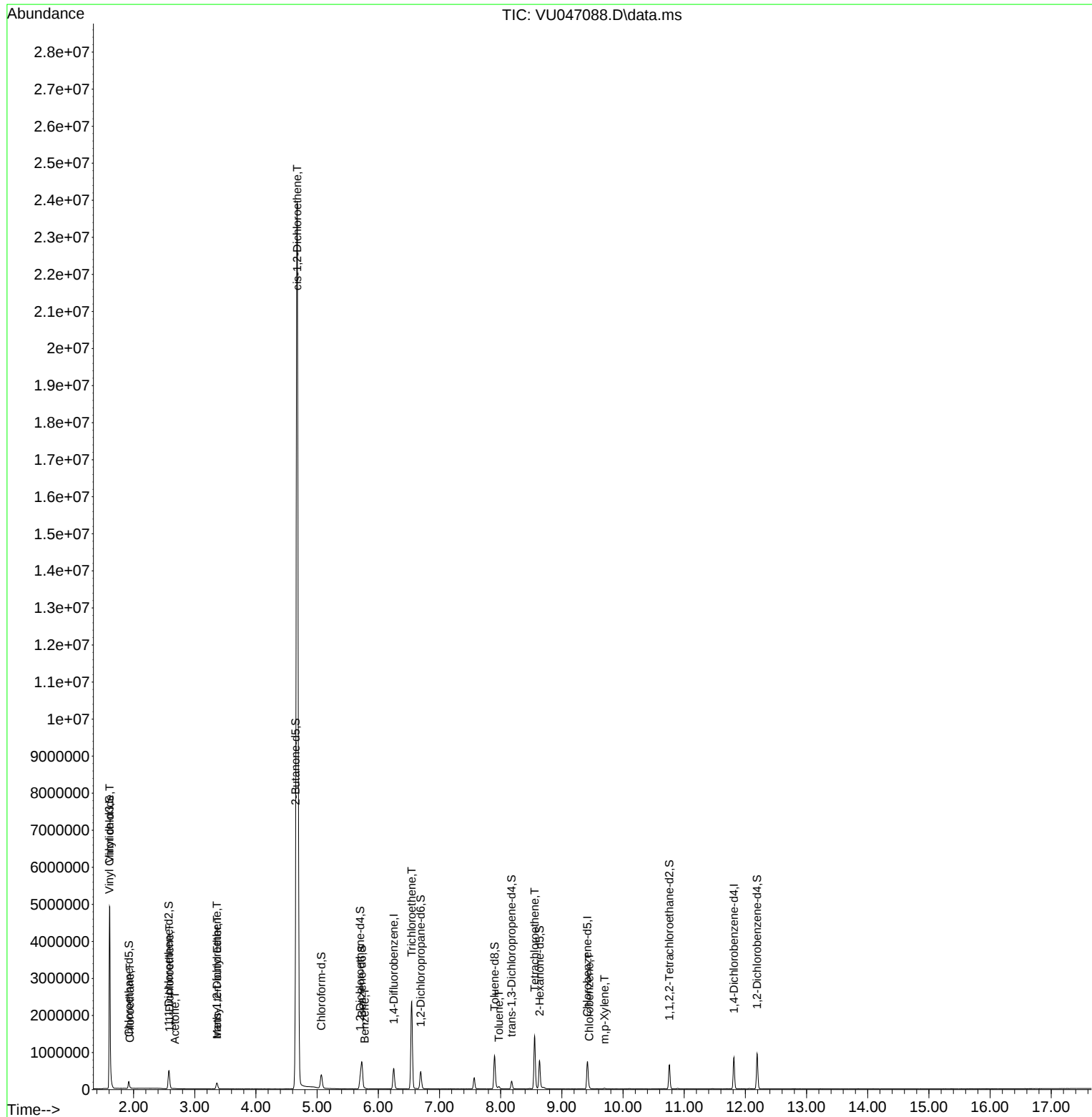
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	471409	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	446868	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	226657	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	219548	51.280	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.560%
7) Chloroethane-d5	1.922	69	147985	46.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.260%
11) 1,1-Dichloroethene-d2	2.575	63	276836	39.019	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.040%
21) 2-Butanone-d5	4.649	46	403905	121.642	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.640%
24) Chloroform-d	5.070	84	312085	44.901	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.703	65	212070	47.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.080%
32) Benzene-d6	5.732	84	687271	46.261	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.520%
36) 1,2-Dichloropropane-d6	6.694	67	226506	47.014	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.020%
41) Toluene-d8	7.899	98	655879	46.368	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.740%
43) trans-1,3-Dichloroprop...	8.179	79	118038	46.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.500%
47) 2-Hexanone-d5	8.636	63	294197	106.588	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.590%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	332515	47.333	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.660%
66) 1,2-Dichlorobenzene-d4	12.192	152	254627	47.368	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.740%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.610	62	3519556	803.525	ug/L	99
8) Chloroethane	1.941	64	9354	3.704	ug/L	94
12) 1,1-Dichloroethene	2.588	96	44368	14.473	ug/L #	5
13) Acetone	2.674	43	6196	2.562	ug/L	91
17) trans-1,2-Dichloroethene	3.362	96	61667	19.147	ug/L	94
18) Methyl tert-butyl Ether	3.366	73	16039	1.473	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	12725145	3572.039	ug/L #	93
33) Benzene	5.777	78	19228	1.380	ug/L	100
34) Trichloroethene	6.546	95	802421	221.633	ug/L	99
42) Toluene	7.970	91	44244	2.890	ug/L	100
46) Tetrachloroethene	8.555	164	338571	116.249	ug/L	96
51) Chlorobenzene	9.446	112	5663	0.577	ug/L #	86
53) m,p-Xylene	9.697	106	5495	0.827	ug/L	93

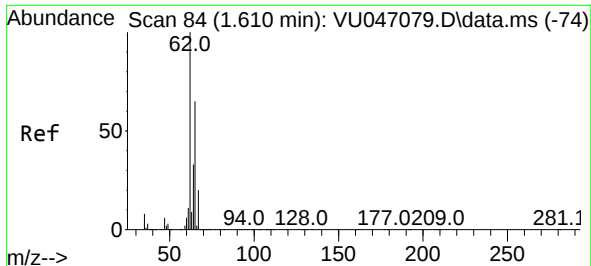
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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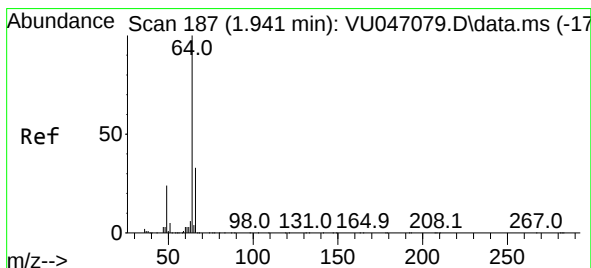
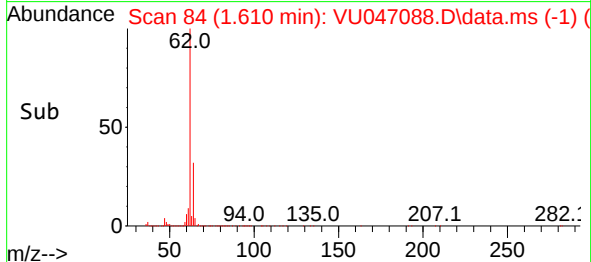
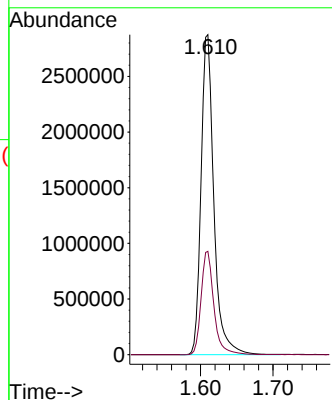
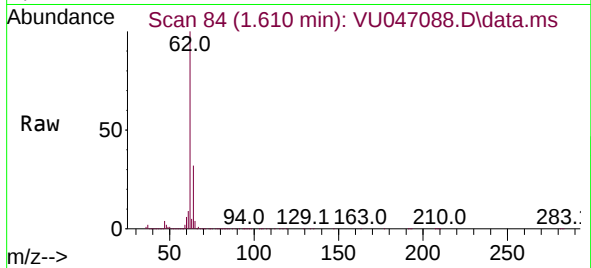




#5
 Vinyl chloride
 Concen: 803.525 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VU047088.D
 Acq: 10 Feb 2022 20:59

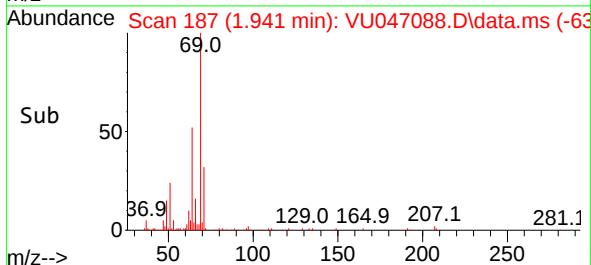
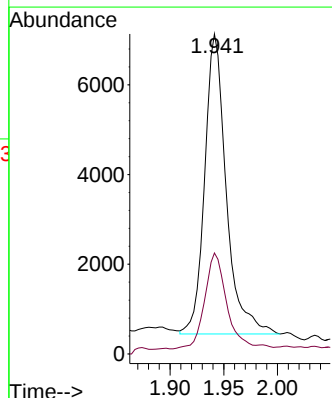
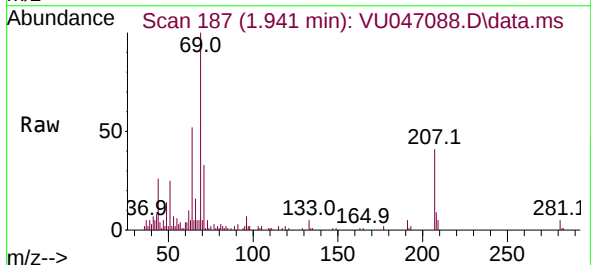
Instrument :
 MSVOA_U
 ClientSampleId :
 F4M31

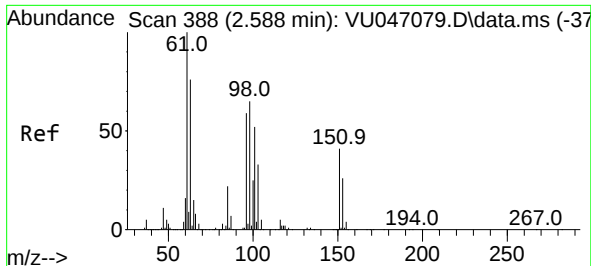
Tgt Ion: 62 Resp: 3519556
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.1 42.9



#8
 Chloroethane
 Concen: 3.704 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VU047088.D
 Acq: 10 Feb 2022 20:59

Tgt Ion: 64 Resp: 9354
 Ion Ratio Lower Upper
 64 100
 66 31.5 24.4 45.2





#12

1,1-Dichloroethene

Concen: 14.473 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU047088.D

Acq: 10 Feb 2022 20:59

Instrument :

MSVOA_U

ClientSampleId :

F4M31

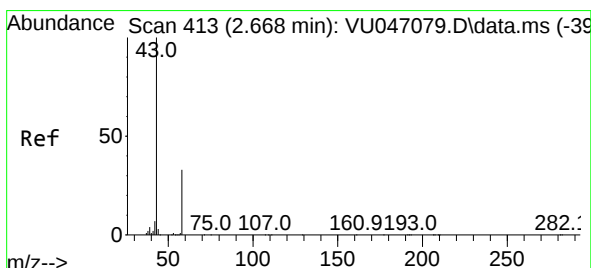
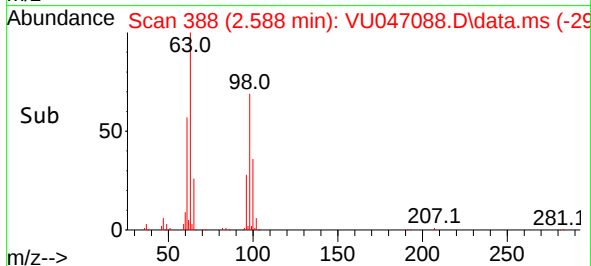
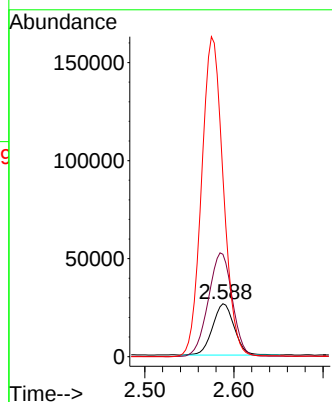
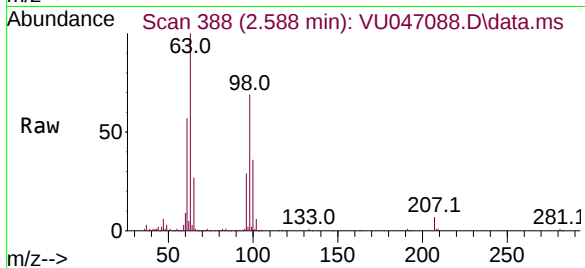
Tgt Ion: 96 Resp: 44368

Ion Ratio Lower Upper

96 100

61 193.6 114.9 213.3

63 340.8 86.0 159.8#



#13

Acetone

Concen: 2.562 ug/L

RT: 2.674 min Scan# 415

Delta R.T. 0.006 min

Lab File: VU047088.D

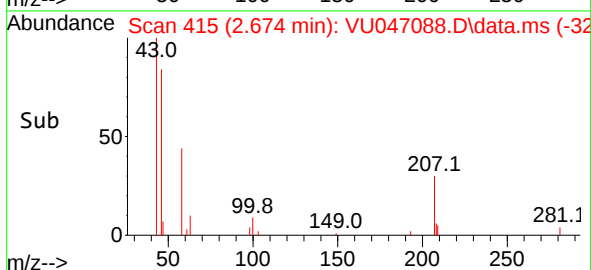
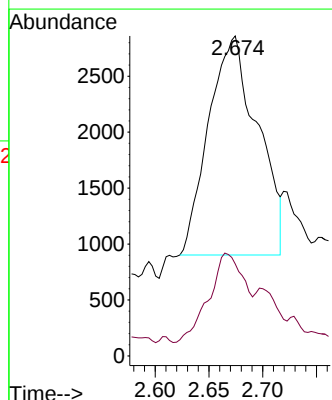
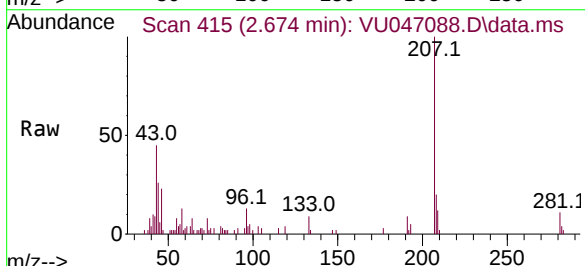
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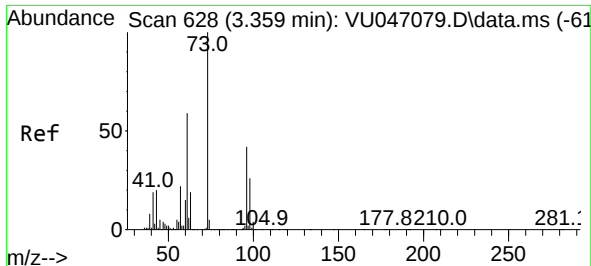
Tgt Ion: 43 Resp: 6196

Ion Ratio Lower Upper

43 100

58 30.0 0.0 71.0

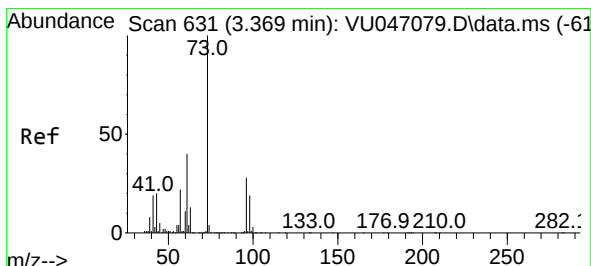
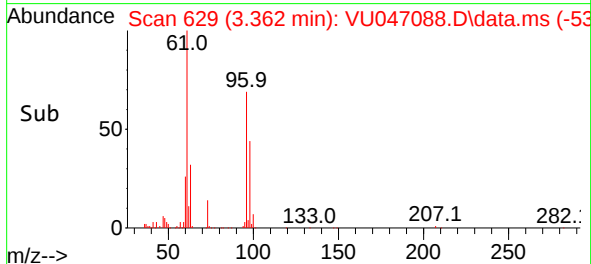
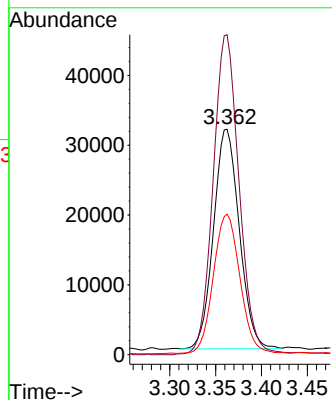
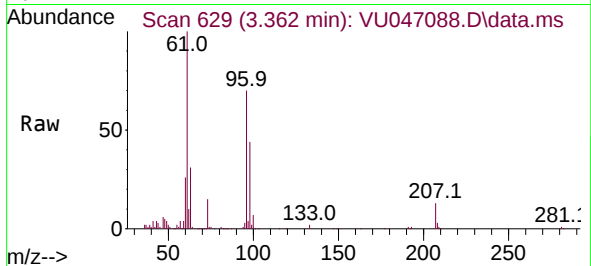




#17
trans-1,2-Dichloroethene
Concen: 19.147 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU047088.D
Acq: 10 Feb 2022 20:59

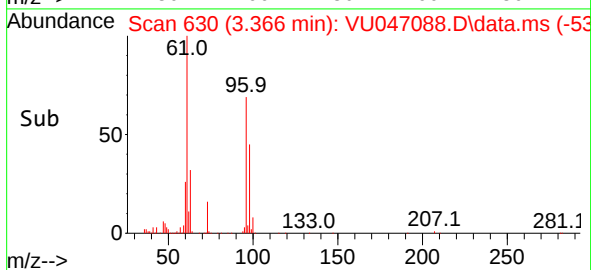
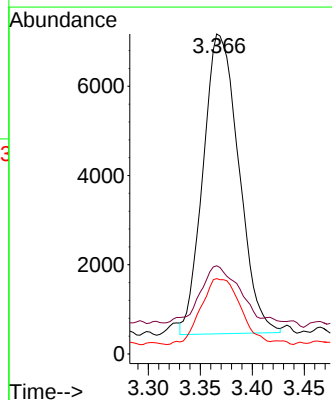
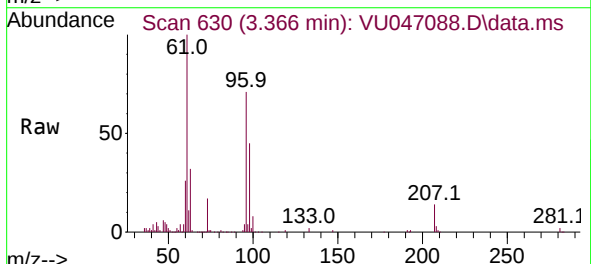
Instrument :
MSVOA_U
ClientSampleId :
F4M31

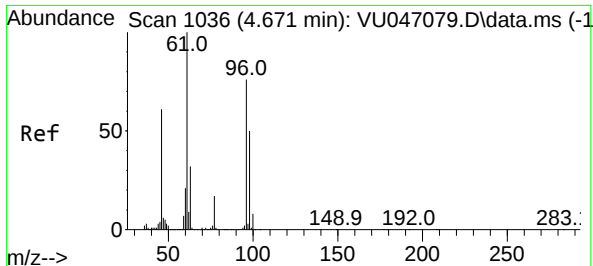
Tgt Ion: 96 Resp: 61667
Ion Ratio Lower Upper
96 100
61 142.0 92.5 171.9
98 62.4 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 1.473 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU047088.D
Acq: 10 Feb 2022 20:59

Tgt Ion: 73 Resp: 16039
Ion Ratio Lower Upper
73 100
43 17.5 14.1 21.1
57 22.3 16.4 24.6





#20

cis-1,2-Dichloroethene

Concen: 3572.039 ug/L

RT: 4.674 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU047088.D

Acq: 10 Feb 2022 20:59

Instrument :

MSVOA_U

ClientSampleId :

F4M31

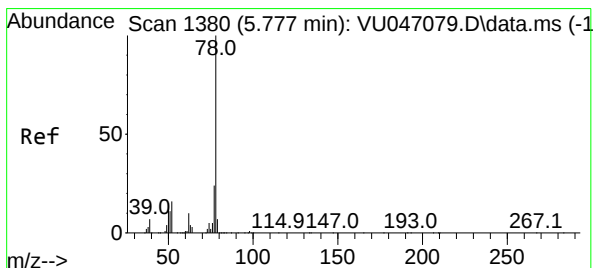
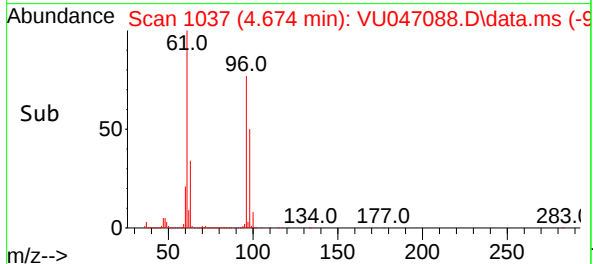
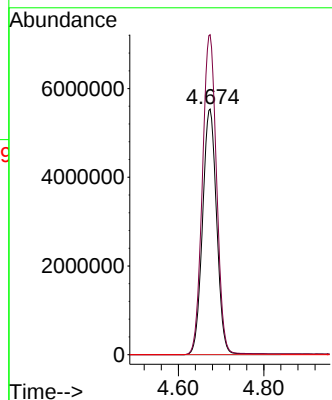
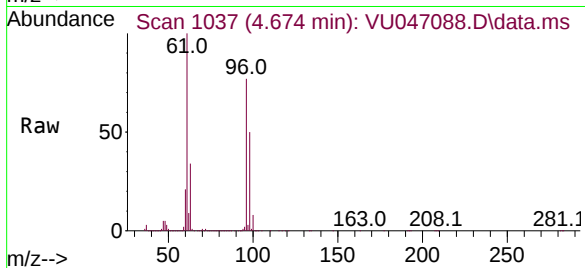
Tgt Ion: 96 Resp:12725145

Ion Ratio Lower Upper

96 100

61 130.3 86.0 159.6

68 0.0 0.0 0.0#



#33

Benzene

Concen: 1.380 ug/L

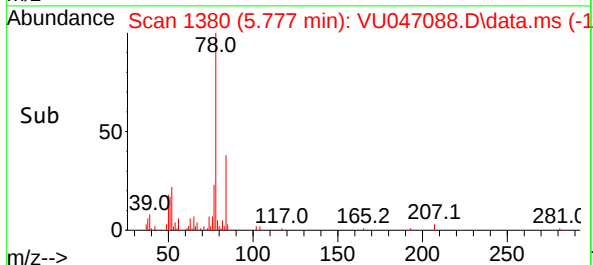
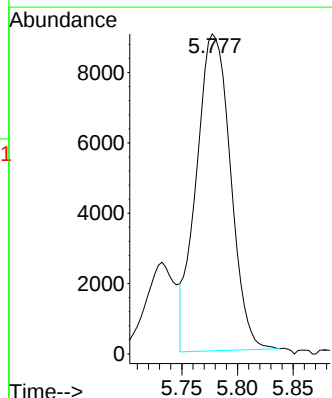
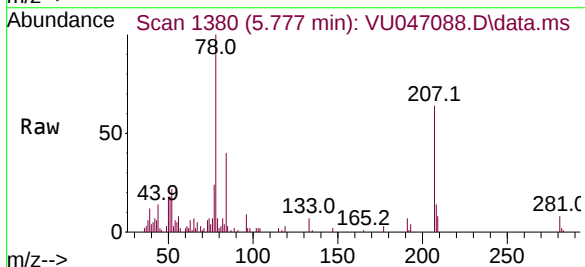
RT: 5.777 min Scan# 1380

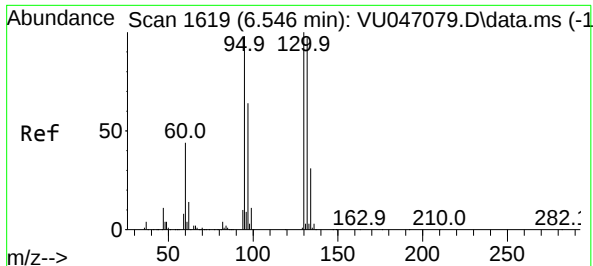
Delta R.T. 0.000 min

Lab File: VU047088.D

Acq: 10 Feb 2022 20:59

Tgt Ion: 78 Resp: 19228

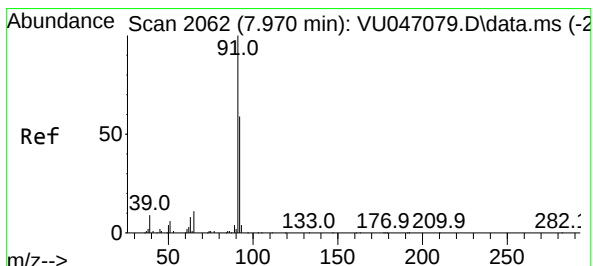
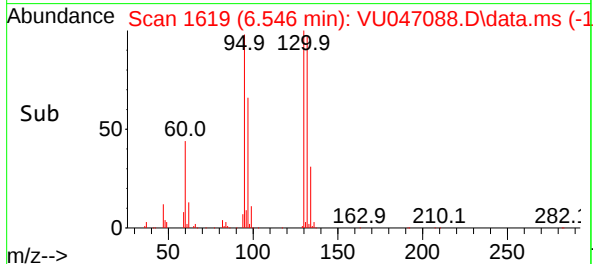
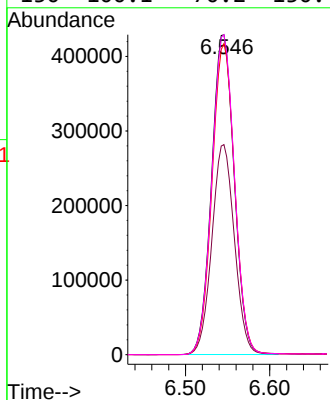
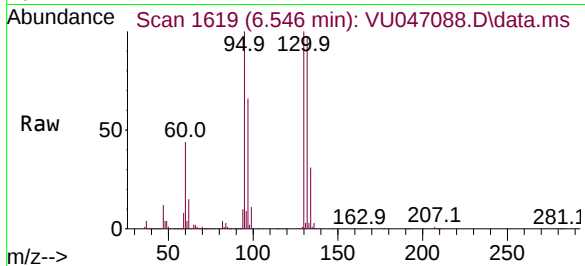




#34
 Trichloroethene
 Concen: 221.633 ug/L
 RT: 6.546 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: VU047088.D
 Acq: 10 Feb 2022 20:59

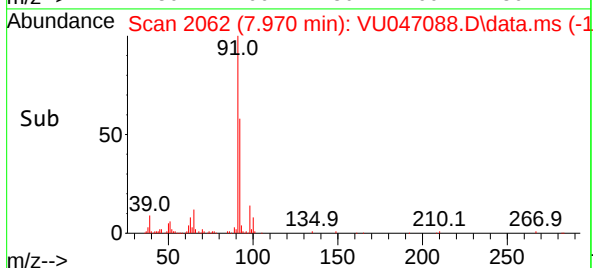
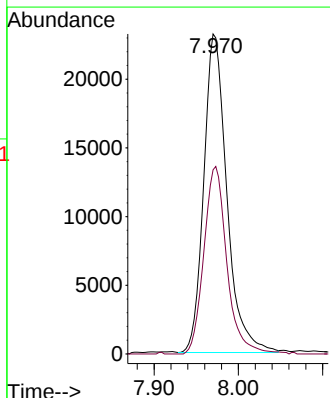
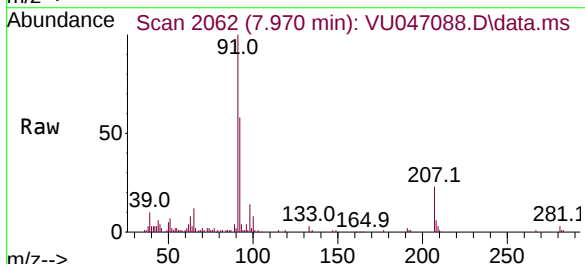
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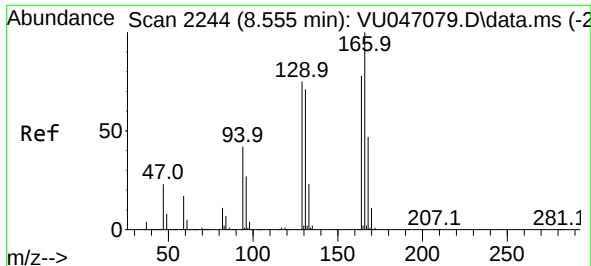
Tgt Ion: 95 Resp: 802421
 Ion Ratio Lower Upper
 95 100
 97 65.7 45.1 83.7
 132 97.3 66.7 123.9
 130 100.1 70.2 130.4



#42
 Toluene
 Concen: 2.890 ug/L
 RT: 7.970 min Scan# 2062
 Delta R.T. 0.000 min
 Lab File: VU047088.D
 Acq: 10 Feb 2022 20:59

Tgt Ion: 91 Resp: 44244
 Ion Ratio Lower Upper
 91 100
 92 57.5 40.4 75.0

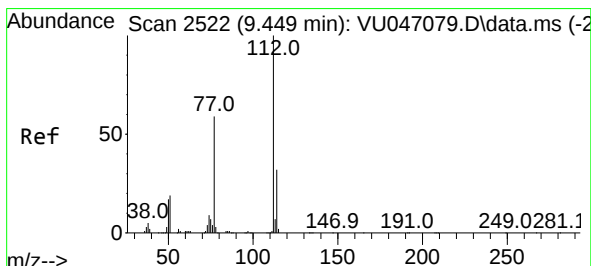
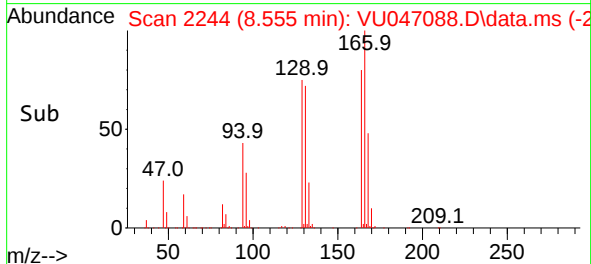
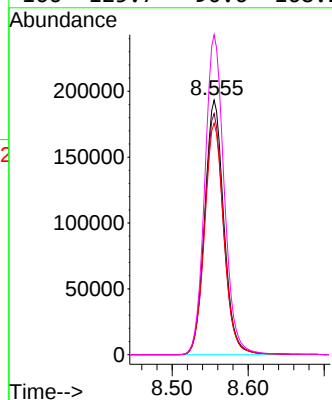
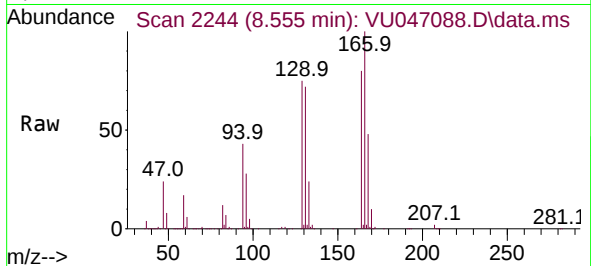




#46
Tetrachloroethene
Concen: 116.249 ug/L
RT: 8.555 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU047088.D
Acq: 10 Feb 2022 20:59

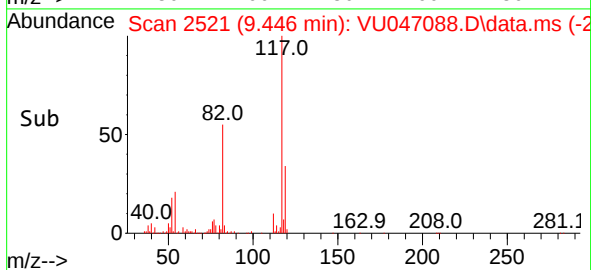
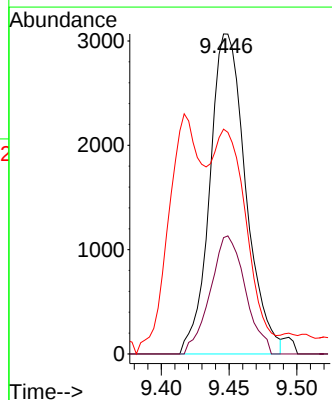
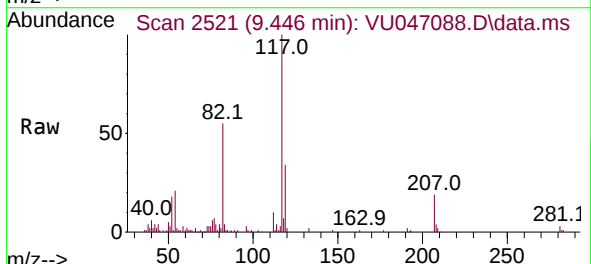
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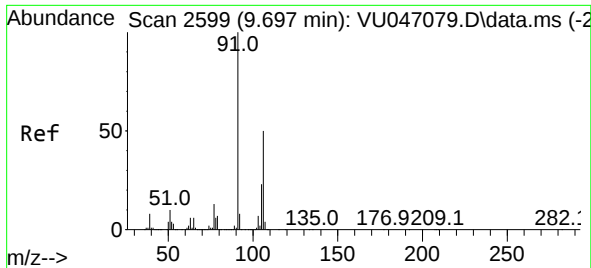
Tgt Ion:164 Resp: 338571
Ion Ratio Lower Upper
164 100
129 94.7 69.5 129.1
131 91.0 67.0 124.4
166 125.7 90.6 168.2



#51
Chlorobenzene
Concen: 0.577 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU047088.D
Acq: 10 Feb 2022 20:59

Tgt Ion:112 Resp: 5663
Ion Ratio Lower Upper
112 100
114 36.4 22.1 41.1
77 70.3 46.5 69.7#





#53
 m,p-Xylene
 Concen: 0.827 ug/L
 RT: 9.697 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU047088.D
 Acq: 10 Feb 2022 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 F4M31

Tgt Ion:106 Resp: 5495
 Ion Ratio Lower Upper
 106 100
 91 196.6 145.5 270.1

