

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
 Data File : VU044299.D
 Acq On : 02 Jul 2021 13:20
 Operator : SY/MD
 Sample : M2914-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 04:59:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 03 04:56:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	128881	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	122277	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	68001	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	25498	3.654	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.000%
7) Chloroethane-d5	1.919	69	31303	4.556	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.569	65	14617	4.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	4.662	46	117132	45.584	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.160%
24) Chloroform-d	5.073	84	73151	4.657	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.710	65	43036	4.583	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	5.736	84	144841	4.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.700	67	48770	4.955	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.906	98	135829	4.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.186	79	18771	4.112	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.645	63	108861	50.066	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.140%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	41316	4.722	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.198	152	57249	5.110	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	5158	0.566	ug/L	83
8) Chloroethane	1.880	64	1560	0.252	ug/L #	54
12) 1,1-Dichloroethene	2.581	96	3663	0.492	ug/L #	1
13) Acetone	2.665	43	1482	1.290	ug/L	75
15) Methyl Acetate	2.961	43	476	0.147	ug/L #	53
18) trans-1,2-Dichloroethene	3.359	96	16317	2.060	ug/L	98
22) cis-1,2-Dichloroethene	4.675	96	385555	44.486	ug/L	95
30) Cyclohexane	5.395	56	1383	0.097	ug/L #	84
33) Benzene	5.781	78	49445	1.541	ug/L	100
34) Trichloroethene	6.549	95	33503	3.857	ug/L	93
35) Methylcyclohexane	6.771	83	1327	0.093	ug/L #	89
37) 1,2-Dichloropropane	6.697	63	5277	0.623	ug/L #	87
42) Toluene	7.973	91	3418	0.097	ug/L	98
48) 2-Hexanone	8.645	43	14881	3.102	ug/L #	63
51) Chlorobenzene	9.452	112	118799	5.251	ug/L	98
61) 1,2,3-Trichloropropane	11.751	75	1324	0.216	ug/L #	44
64) 1,3-Dichlorobenzene	11.751	146	3953	0.212	ug/L	98
65) 1,4-Dichlorobenzene	11.841	146	25725	1.367	ug/L	99
67) 1,2-Dichlorobenzene	12.218	146	37125	2.115	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 03 04:56:00 2021
Response via : Initial Calibration

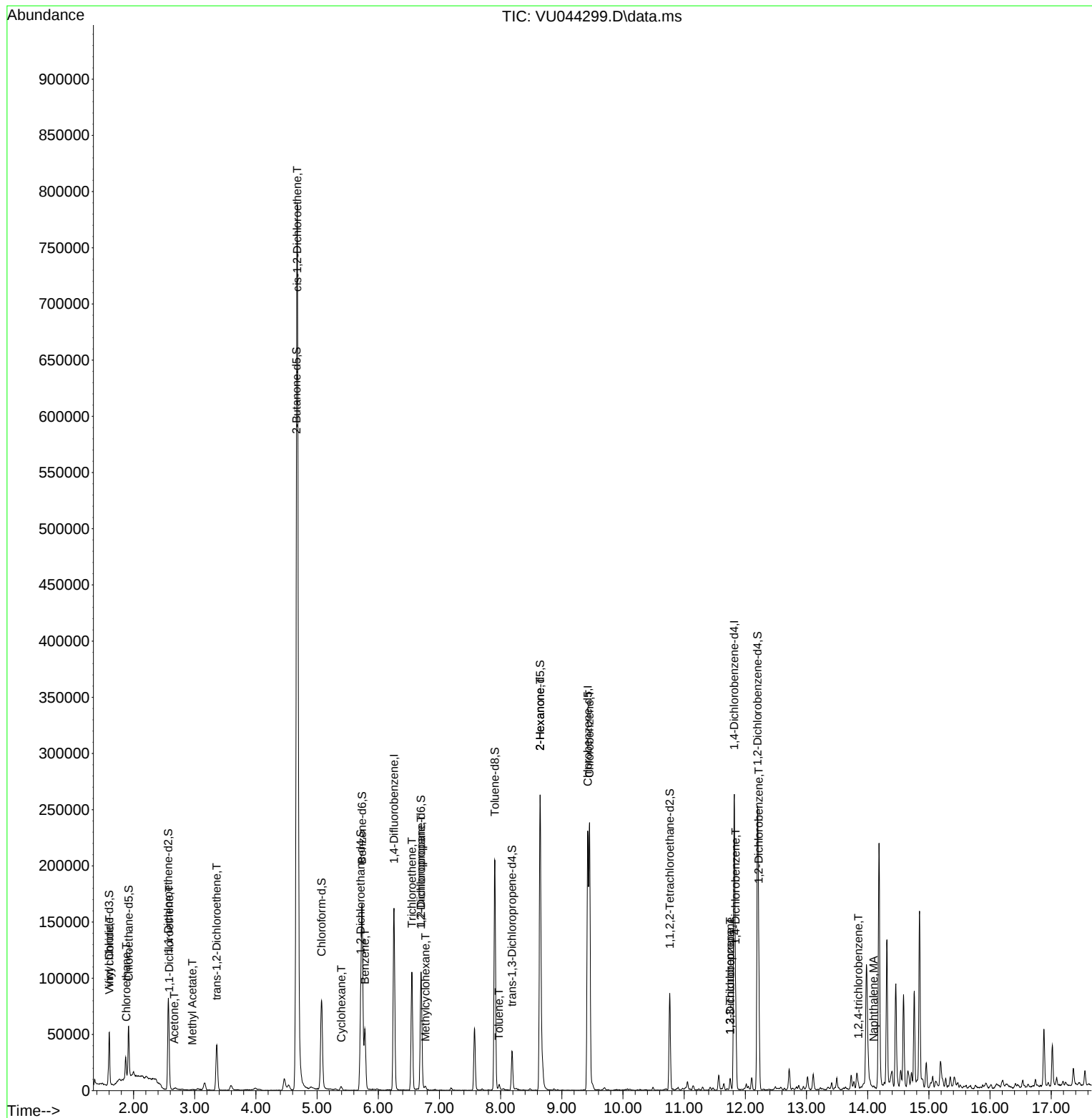
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.848	180	1380	0.115	ug/L #	71
71) Naphthalene	14.095	128	1430	0.066	ug/L #	82

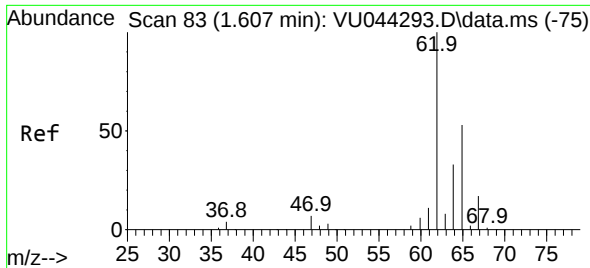
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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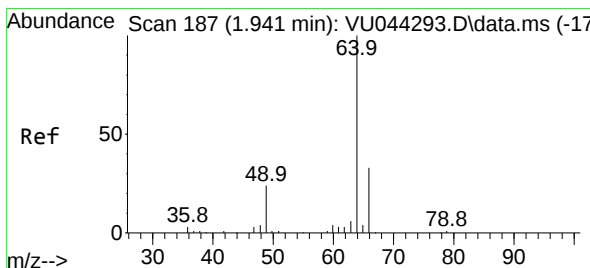
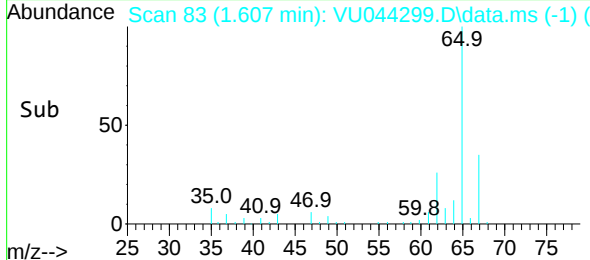
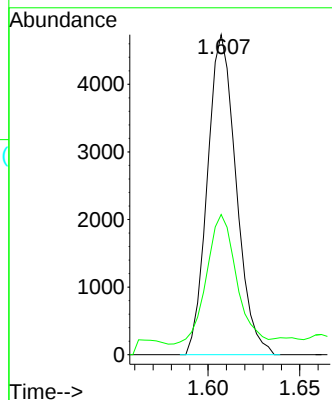
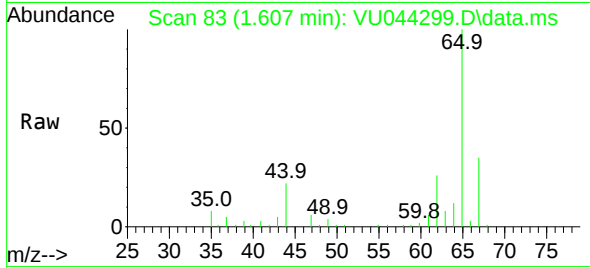




#5
 Vinyl chloride
 Concen: 0.566 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044299.D
 Acq: 02 Jul 2021 13:20

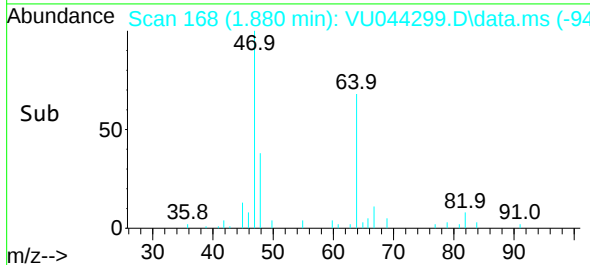
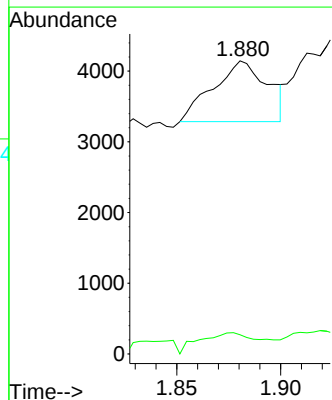
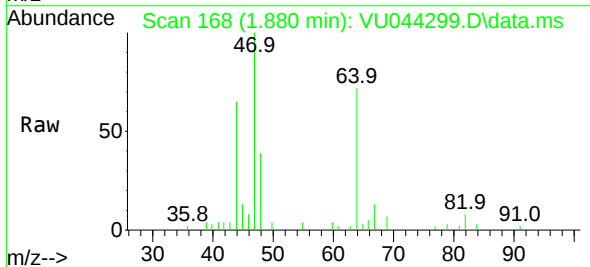
Instrument :
 MSVOA_U
 ClientSampled :

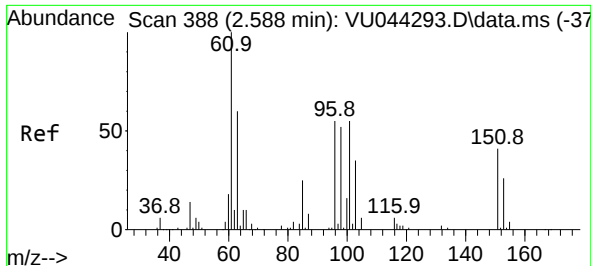
Tgt Ion: 62 Resp: 5158
 Ion Ratio Lower Upper
 62 100
 64 43.8 23.7 44.1



#8
 Chloroethane
 Concen: 0.252 ug/L
 RT: 1.880 min Scan# 168
 Delta R.T. -0.061 min
 Lab File: VU044299.D
 Acq: 02 Jul 2021 13:20

Tgt Ion: 64 Resp: 1560
 Ion Ratio Lower Upper
 64 100
 66 6.5 22.7 42.3#





#12

1,1-Dichloroethene

Concen: 0.492 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.006 min

Lab File: VU044299.D

Acq: 02 Jul 2021 13:20

Tgt Ion: 96 Resp: 3663

Ion Ratio Lower Upper

96 100

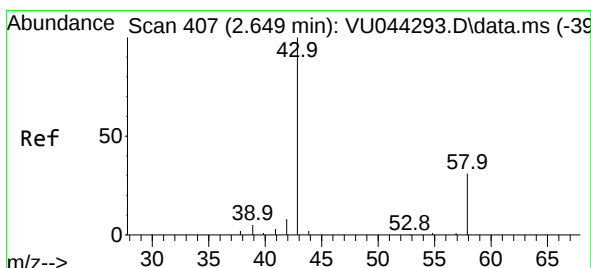
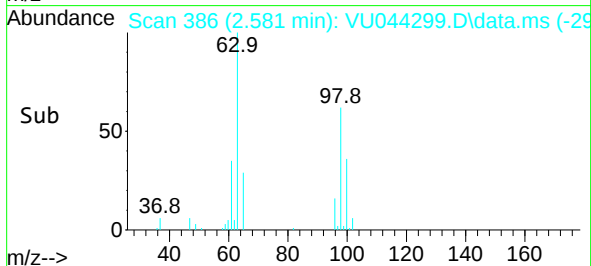
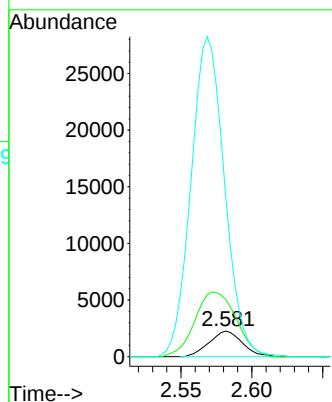
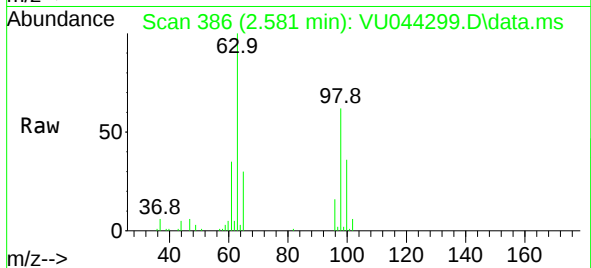
61 223.4 128.6 238.8

63 636.0 84.3 156.5#

Instrument :

MSVOA_U

ClientSampled :



#13

Acetone

Concen: 1.290 ug/L

RT: 2.665 min Scan# 412

Delta R.T. 0.016 min

Lab File: VU044299.D

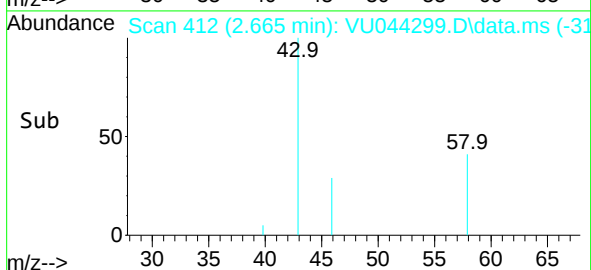
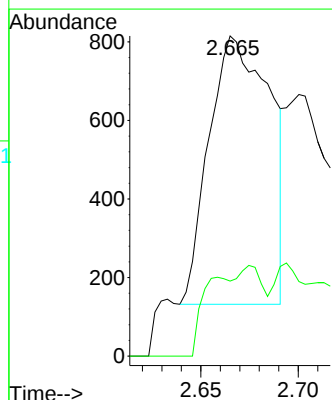
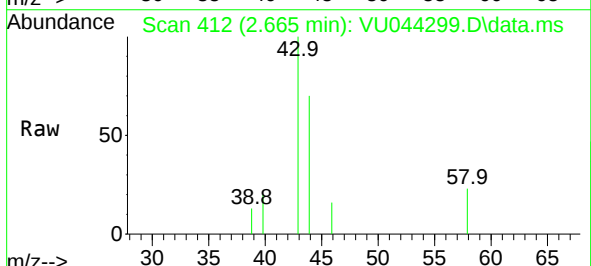
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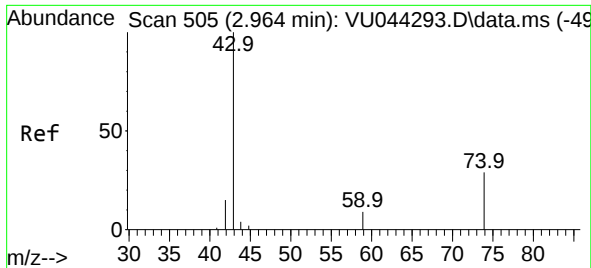
Tgt Ion: 43 Resp: 1482

Ion Ratio Lower Upper

43 100

58 14.0 0.0 53.8

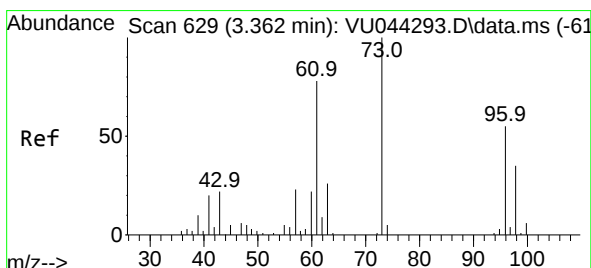
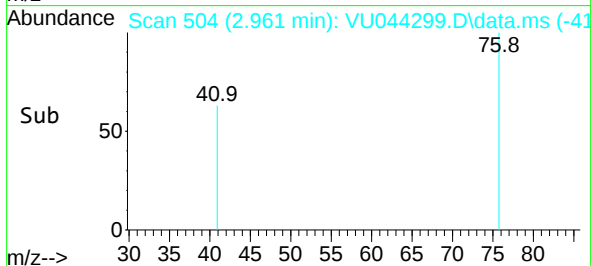
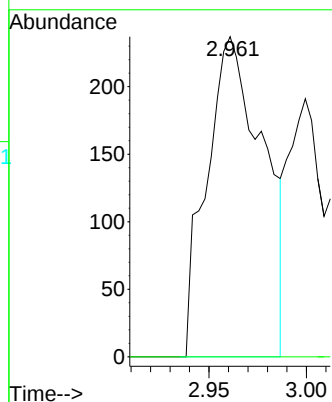
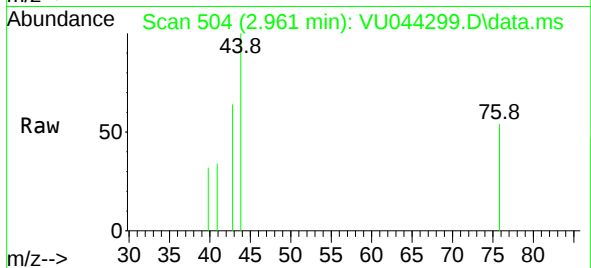




#15
Methyl Acetate
Concen: 0.147 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

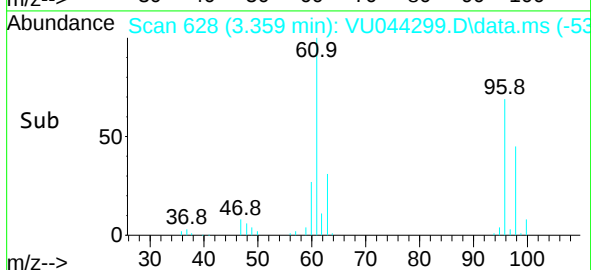
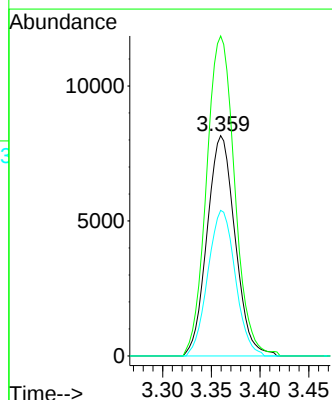
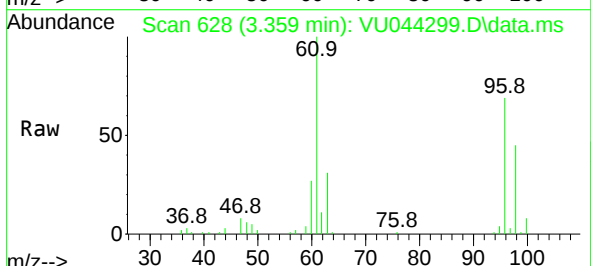
Instrument :
MSVOA_U
ClientSampled :

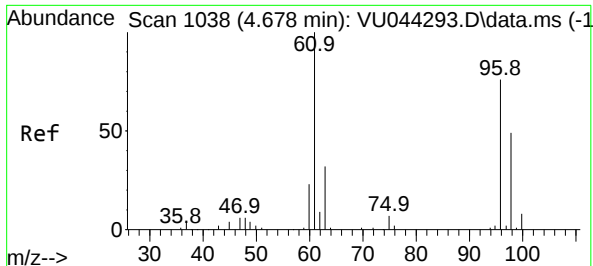
Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#18
trans-1,2-Dichloroethene
Concen: 2.060 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

Tgt Ion: 96 Resp: 16317
Ion Ratio Lower Upper
96 100
61 145.3 100.2 186.2
98 66.1 44.9 83.5

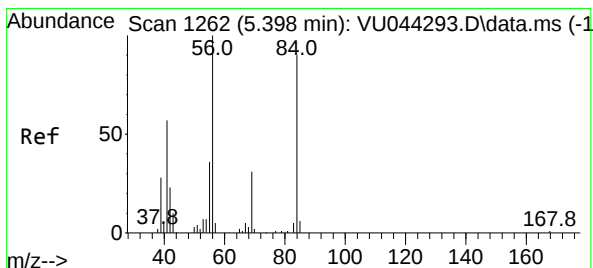
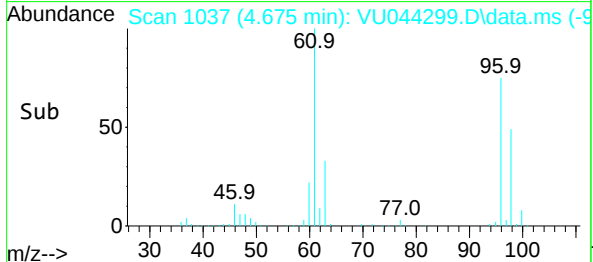
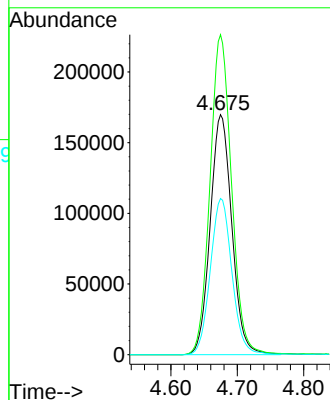
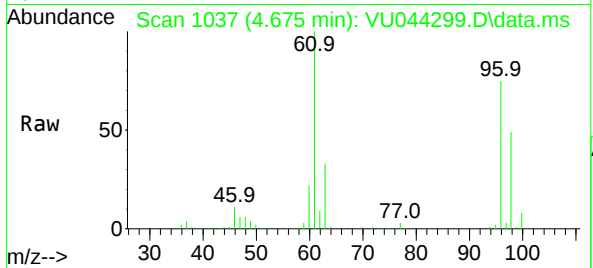




#22
 cis-1,2-Dichloroethene
 Concen: 44.486 ug/L
 RT: 4.675 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU044299.D
 Acq: 02 Jul 2021 13:20

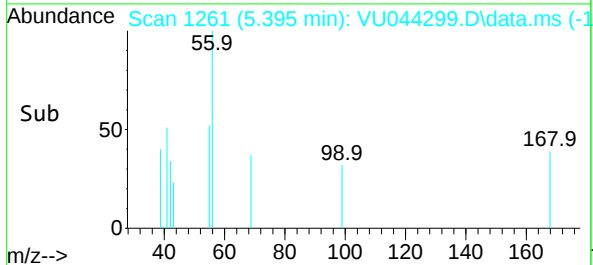
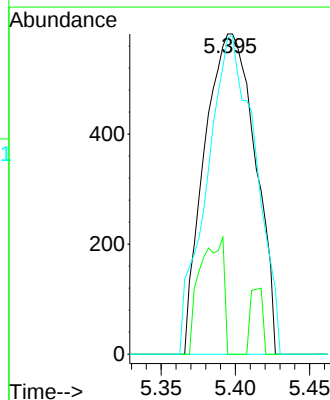
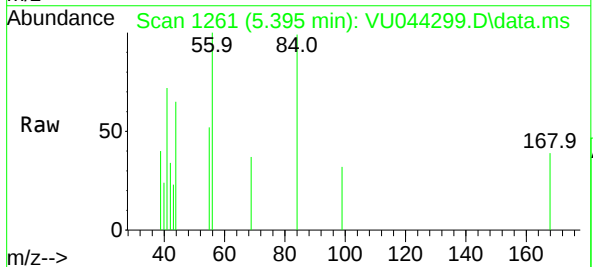
Instrument :
 MSVOA_U
 ClientSampleId :

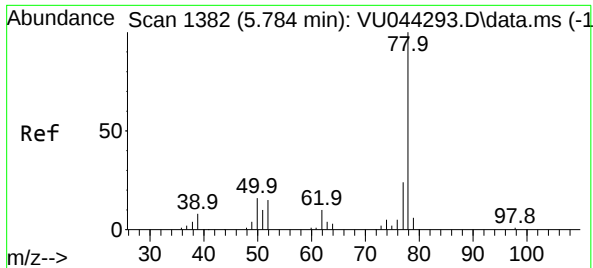
Tgt Ion: 96 Resp: 385555
 Ion Ratio Lower Upper
 96 100
 61 133.3 98.8 183.6
 98 65.0 44.8 83.2



#30
 Cyclohexane
 Concen: 0.097 ug/L
 RT: 5.395 min Scan# 1261
 Delta R.T. -0.003 min
 Lab File: VU044299.D
 Acq: 02 Jul 2021 13:20

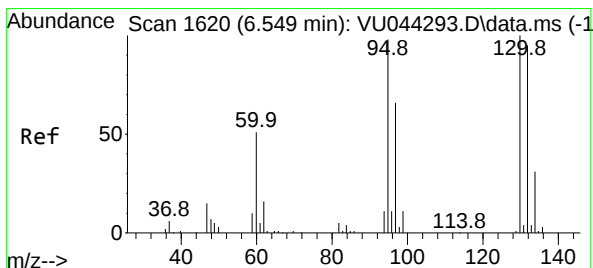
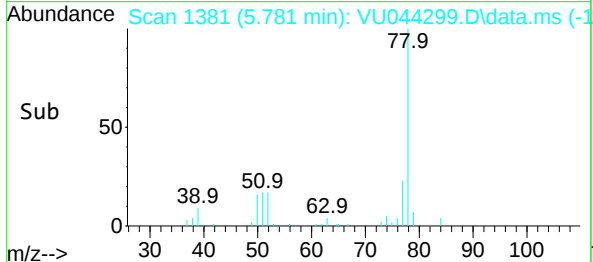
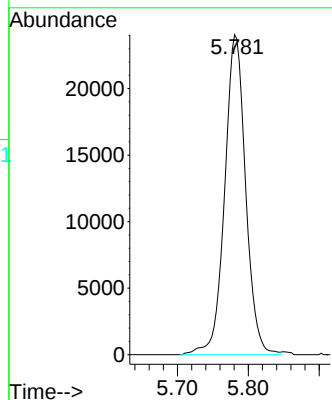
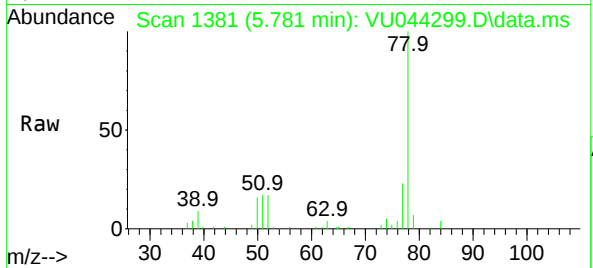
Tgt Ion: 56 Resp: 1383
 Ion Ratio Lower Upper
 56 100
 69 17.1 24.8 37.2#
 84 96.0 67.8 101.8



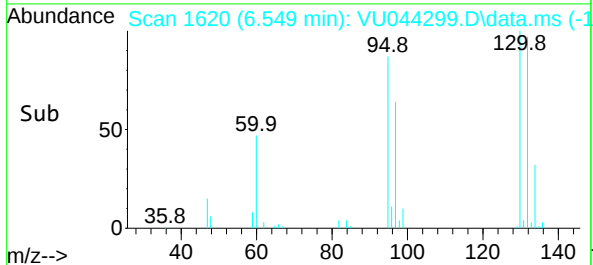
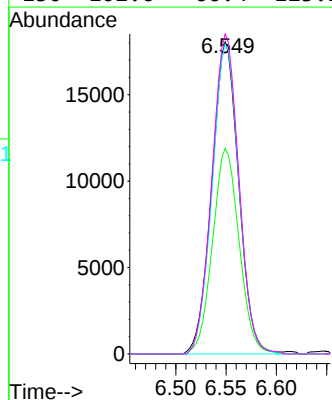
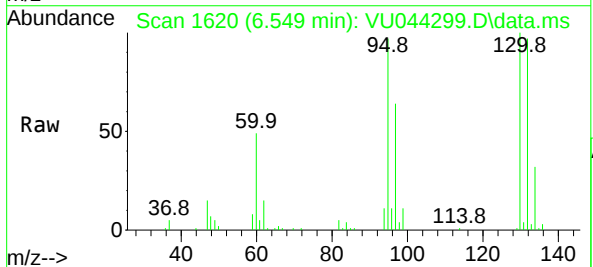


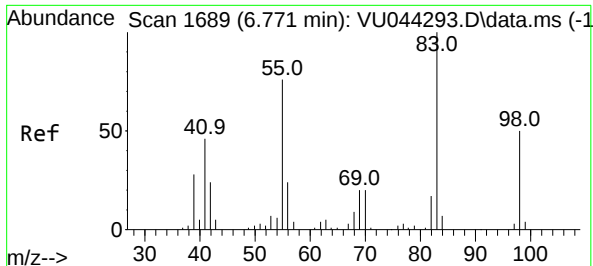
#33
Benzene
Concen: 1.541 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20
Tgt Ion: 78 Resp: 49445

Instrument :
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#34
Trichloroethene
Concen: 3.857 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20
Tgt Ion: 95 Resp: 33503
Ion Ratio Lower Upper
95 100
97 65.9 44.3 82.3
132 99.3 64.3 119.5
130 102.6 66.4 123.2

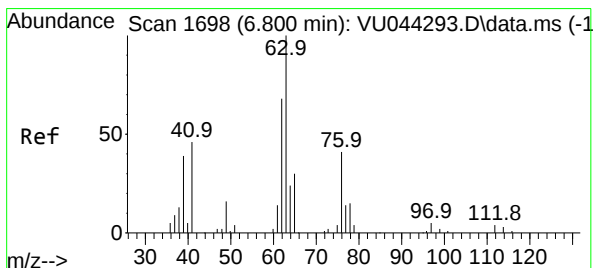
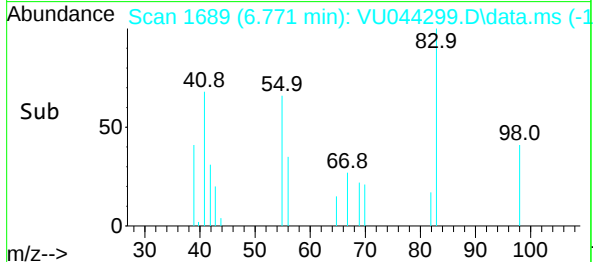
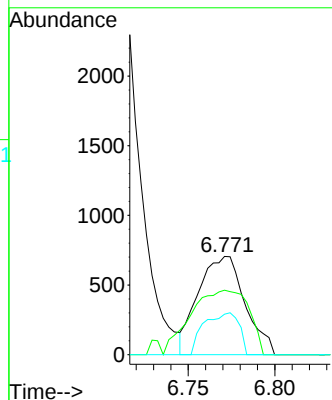
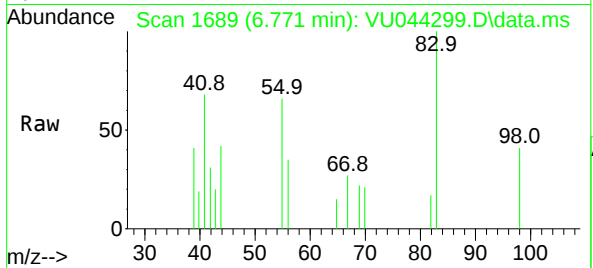




#35
Methylcyclohexane
Concen: 0.093 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

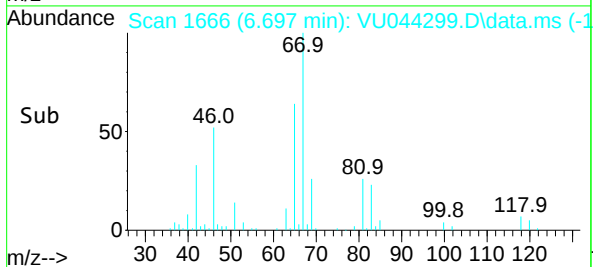
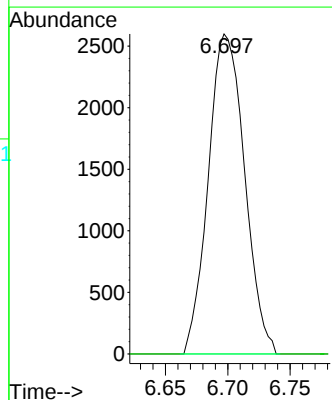
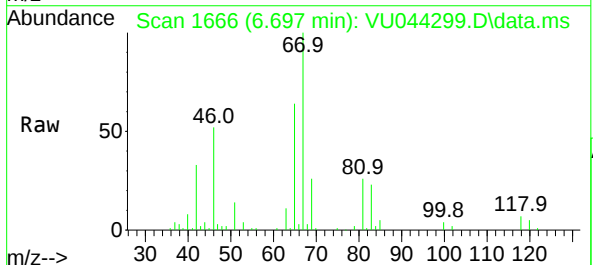
Instrument :
MSVOA_U
ClientSampleId :

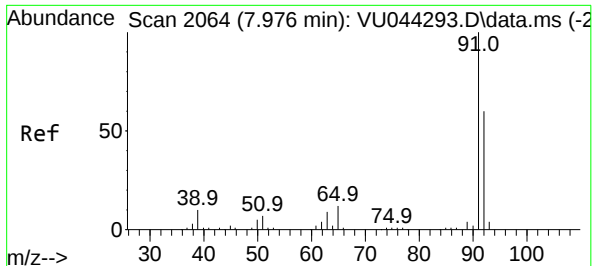
Tgt Ion: 83 Resp: 1327
Ion Ratio Lower Upper
83 100
55 81.5 63.4 95.0
98 31.8 39.4 59.0#



#37
1,2-Dichloropropane
Concen: 0.623 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

Tgt Ion: 63 Resp: 5277
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

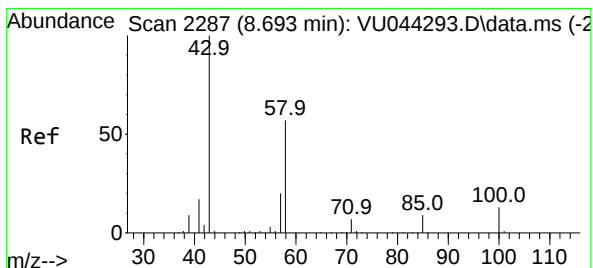
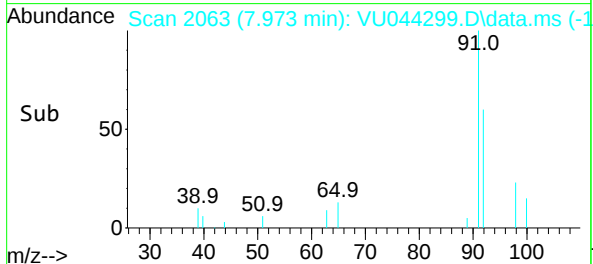
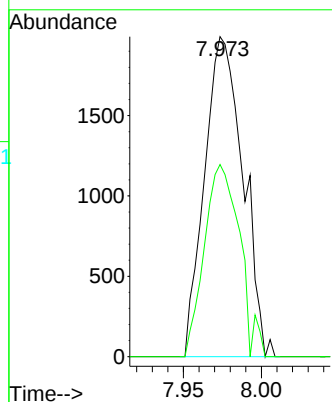
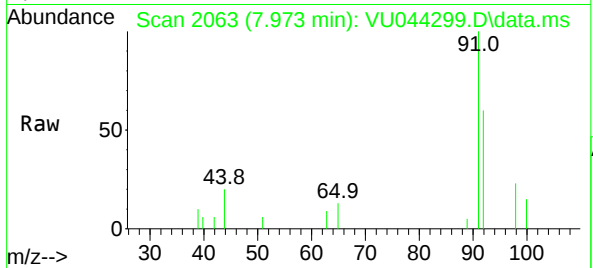




#42
Toluene
Concen: 0.097 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

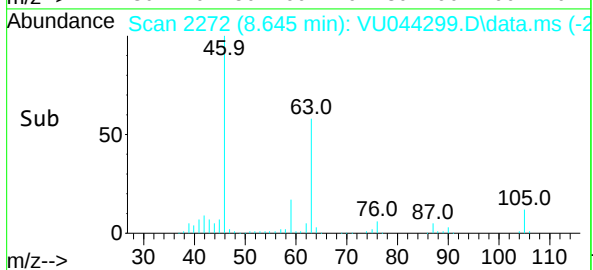
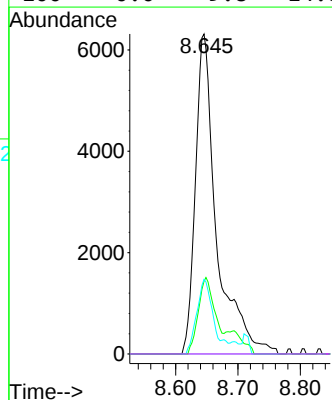
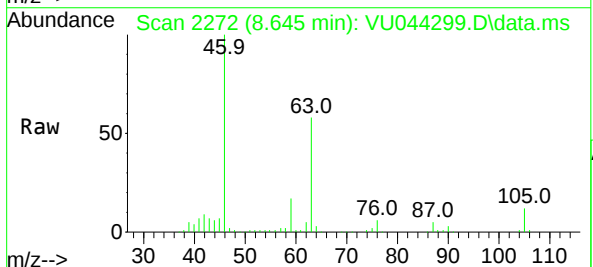
Instrument :
MSVOA_U
ClientSampled :

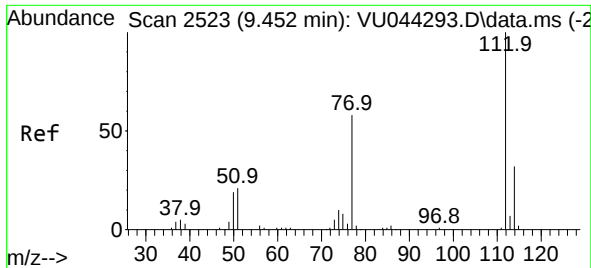
Tgt Ion: 91 Resp: 3418
Ion Ratio Lower Upper
91 100
92 60.1 41.2 76.6



#48
2-Hexanone
Concen: 3.102 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.048 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

Tgt Ion: 43 Resp: 14881
Ion Ratio Lower Upper
43 100
58 19.0 44.7 67.1#
57 18.4 15.7 23.5
100 0.0 9.8 14.8#

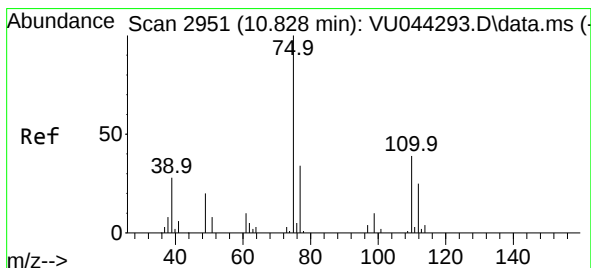
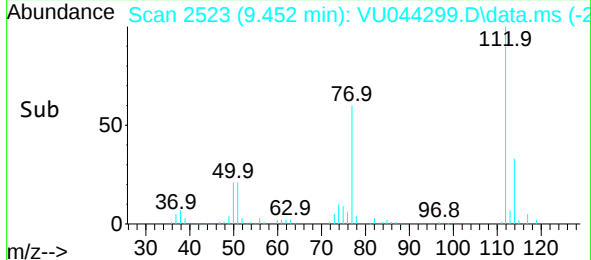
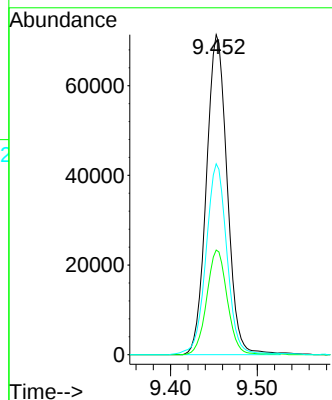
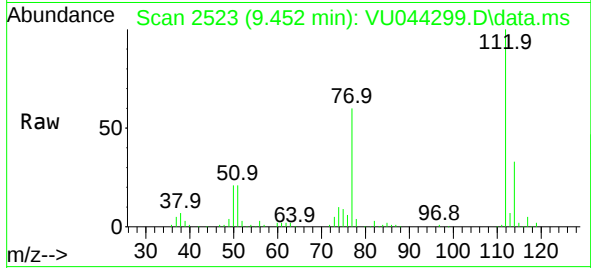




#51
Chlorobenzene
Concen: 5.251 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

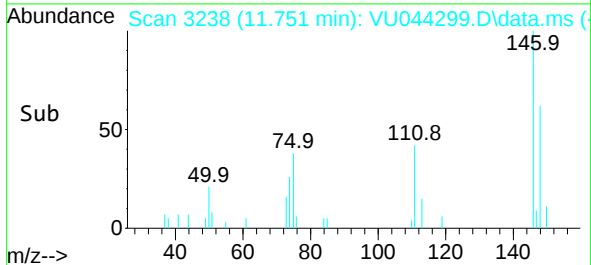
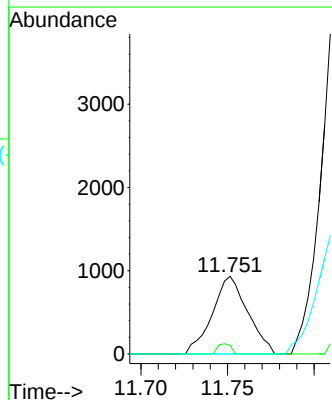
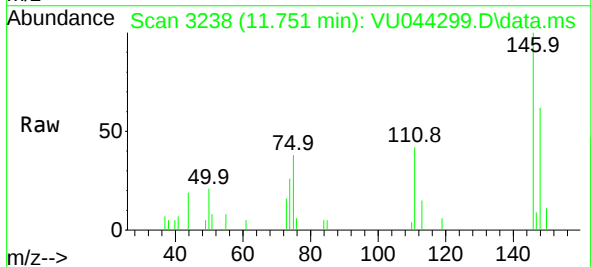
Instrument :
MSVOA_U
ClientSampled :

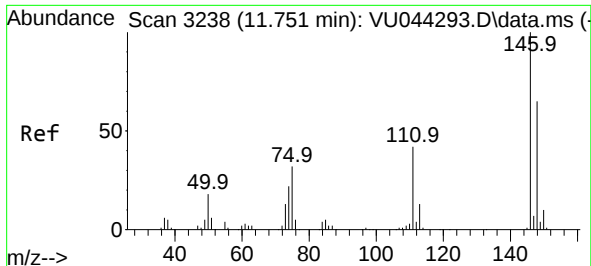
Tgt Ion:112 Resp: 118799
Ion Ratio Lower Upper
112 100
114 32.7 22.0 41.0
77 59.7 48.9 73.3



#61
1,2,3-Trichloropropane
Concen: 0.216 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.923 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

Tgt Ion: 75 Resp: 1324
Ion Ratio Lower Upper
75 100
110 4.9 30.5 45.7#
77 0.0 26.1 39.1#

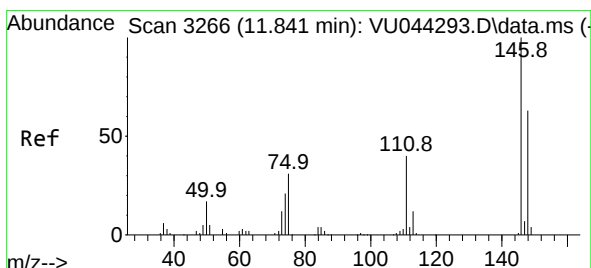
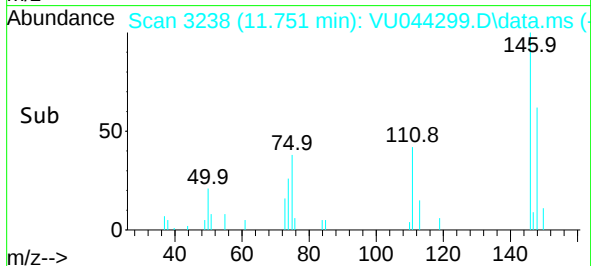
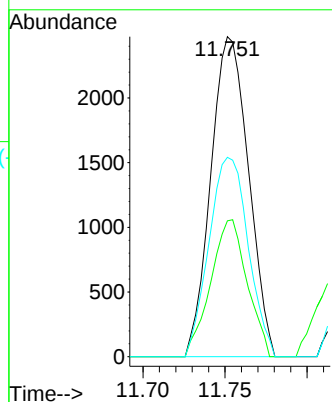
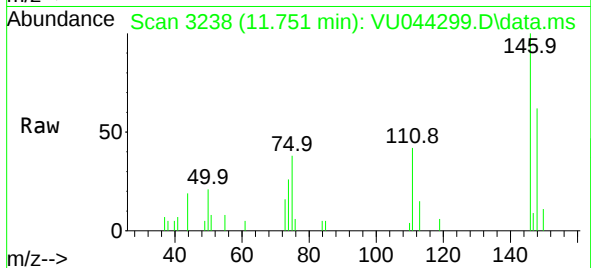




#64
1,3-Dichlorobenzene
Concen: 0.212 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

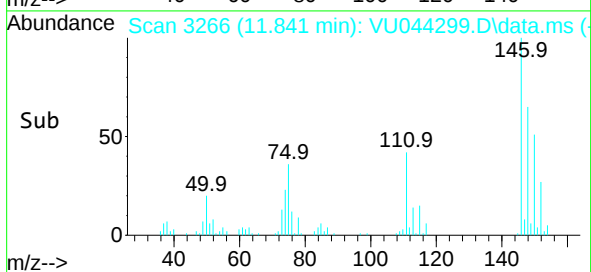
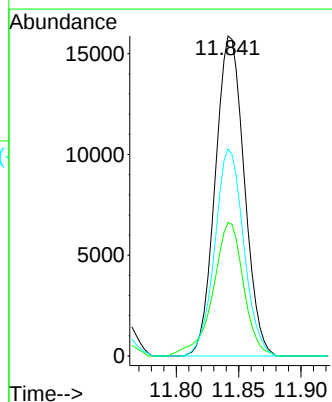
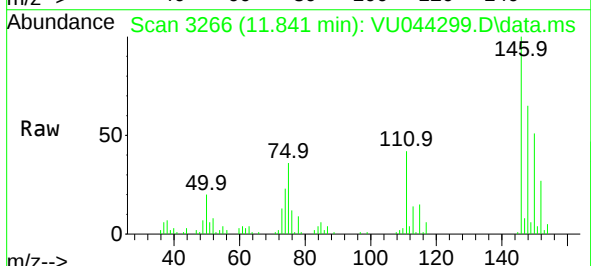
Instrument :
MSVOA_U
ClientSampleId :

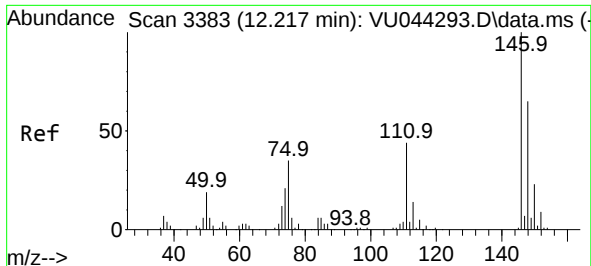
Tgt Ion:146 Resp: 3953
Ion Ratio Lower Upper
146 100
111 42.4 29.8 55.3
148 62.3 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 1.367 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

Tgt Ion:146 Resp: 25725
Ion Ratio Lower Upper
146 100
111 41.8 28.2 52.4
148 64.7 45.1 83.9

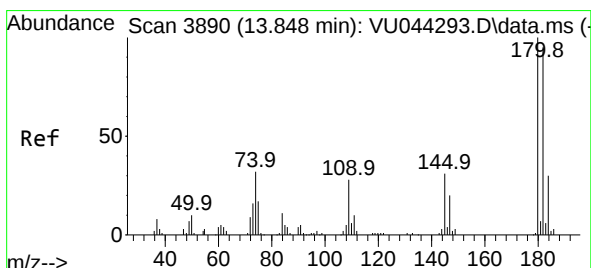
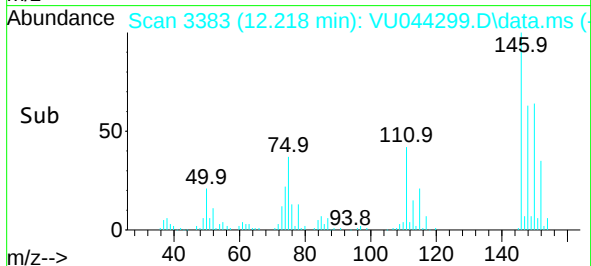
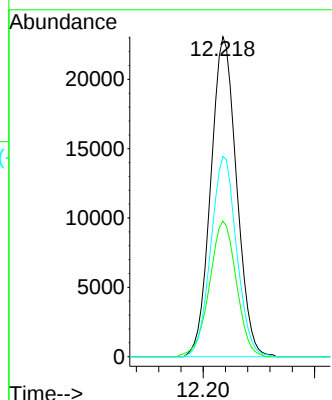
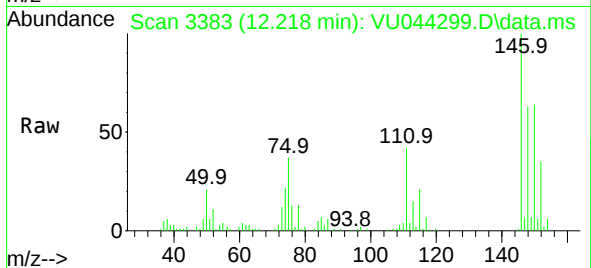




#67
1,2-Dichlorobenzene
Concen: 2.115 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

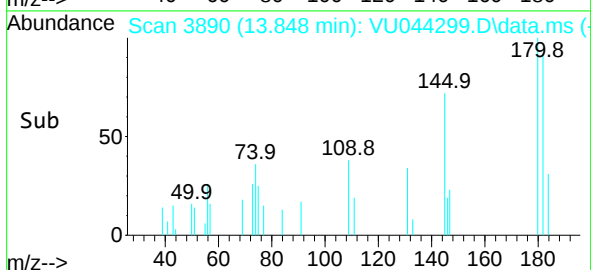
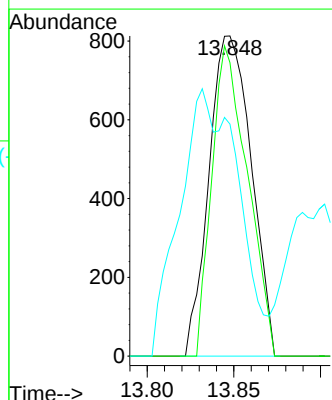
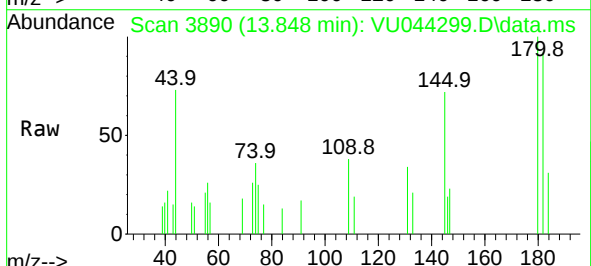
Instrument :
MSVOA_U
ClientSampled :

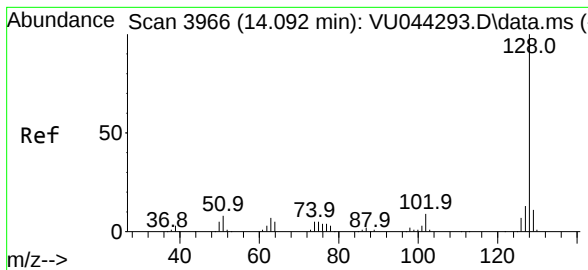
Tgt Ion:146 Resp: 37125
Ion Ratio Lower Upper
146 100
111 42.4 35.0 52.6
148 62.6 51.2 76.8



#70
1,2,4-trichlorobenzene
Concen: 0.115 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

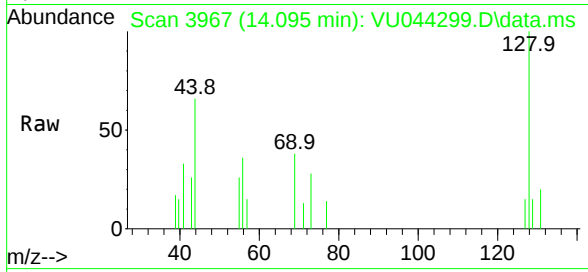
Tgt Ion:180 Resp: 1380
Ion Ratio Lower Upper
180 100
182 82.0 75.7 113.5
145 74.9 25.6 38.4#





#71
Naphthalene
Concen: 0.066 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044299.D
Acq: 02 Jul 2021 13:20

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1430
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 0.0 10.3 15.5#

