

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043731.D
 Acq On : 14 May 2021 04:15
 Operator : SY/MD
 Sample : M2350-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG6L5

Manual Integrations
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 5/14/2021 11:36:04 AM

Quant Time: May 14 08:02:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:42:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	410769	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	394265	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	198099	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	169529	49.84	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	99.68%		
7) Chloroethane-d5	1.912	69	126428	51.69	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	103.38%		
11) 1,1-Dichloroethene-d2	2.575	63	288241	49.78	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	99.56%		
21) 2-Butanone-d5	4.626	46	288205	108.33	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	108.33%		
24) Chloroform-d	5.073	84	287243	49.77	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	99.54%		
26) 1,2-Dichloroethane-d4	5.710	65	183213	51.21	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	102.42%		
32) Benzene-d6	5.735	84	615079	52.64	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	105.28%		
36) 1,2-Dichloropropane-d6	6.697	67	202902	53.24	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	106.48%		
41) Toluene-d8	7.906	98	547918	52.11	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	104.22%		
43) trans-1,3-Dichloroprop...	8.185	79	84963	50.99	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	101.98%		
47) 2-Hexanone-d5	8.639	63	187732	102.87	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	102.87%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	290845	50.43	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	100.86%		
66) 1,2-Dichlorobenzene-d4	12.198	152	209725	53.64	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	107.28%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	27719	6.82	ug/L	90
8) Chloroethane	1.935	64	22373	9.72	ug/L	97
12) 1,1-Dichloroethene	2.584	96	133391	44.98	ug/L	89
17) trans-1,2-Dichloroethene	3.359	96	3103	1.01	ug/L	86
19) 1,1-Dichloroethane	3.877	63	2672384	445.61	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	40093	11.86	ug/L	97
22) 2-Butanone	4.719	43	9984	3.27	ug/L	96
27) 1,2-Dichloroethane	5.803	62	3977m	0.88	ug/L	
30) 1,1,1-Trichloroethane	5.327	97	7591206	1597.27	ug/L	99
33) Benzene	5.784	78	30732	2.31	ug/L	100
34) Trichloroethene	6.549	95	2443	0.75	ug/L	95
42) Toluene	7.976	91	19064	1.37	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	2452	0.73	ug/L	94
46) Tetrachloroethene	8.562	164	1066	0.42	ug/L	91
51) Chlorobenzene	9.452	112	45229	5.24	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	5135	0.48	ug/L	94
65) 1,4-Dichlorobenzene	11.841	146	3068	0.48	ug/L	93
67) 1,2-Dichlorobenzene	12.217	146	16444	2.51	ug/L	93

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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

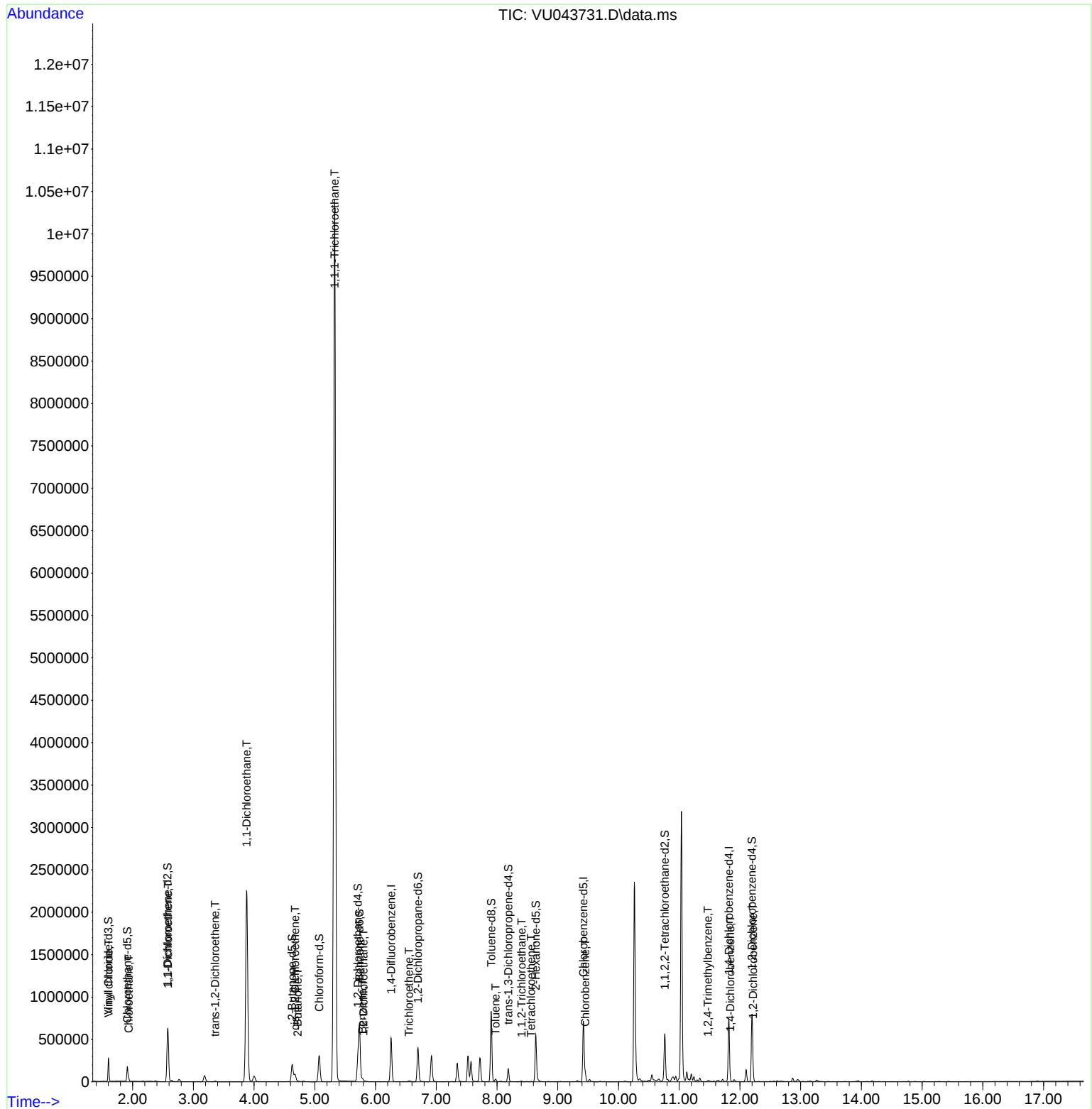
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Data File : VU043731.D
Acq On : 14 May 2021 04:15
Operator : SY/MD
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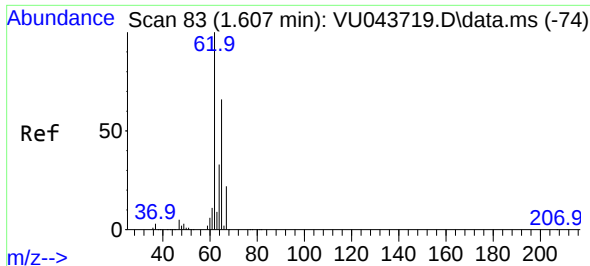
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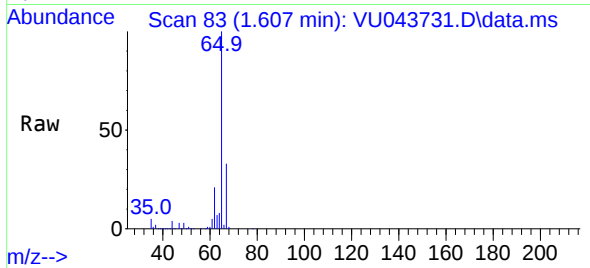
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#5
 Vinyl chloride
 Concen: 6.82 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU043731.D
 Acq: 14 May 2021 04:15

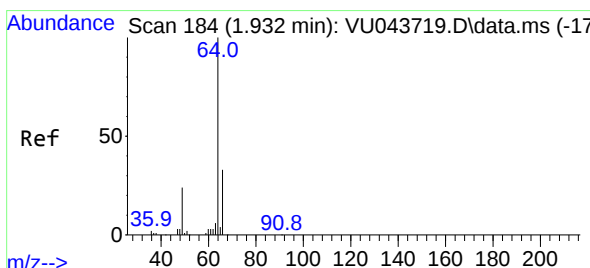
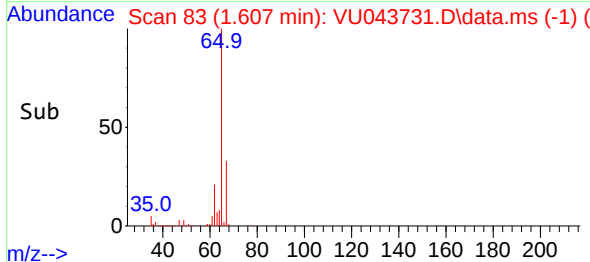
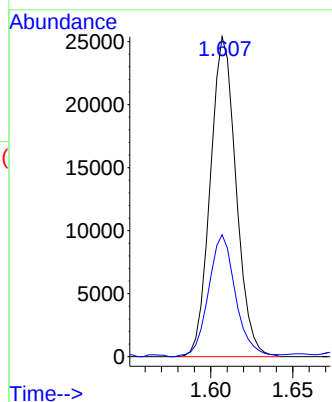
Instrument :
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 ClientSampleId :
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Tgt Ion: 62 Resp: 27719
 Ion Ratio Lower Upper
 62 100
 64 38.1 22.9 42.5

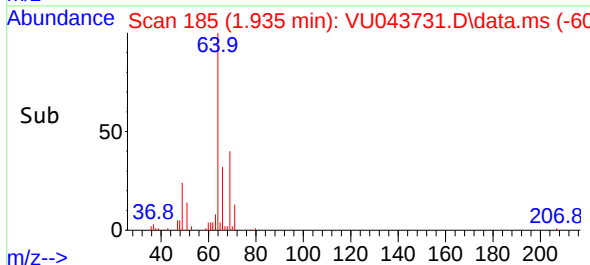
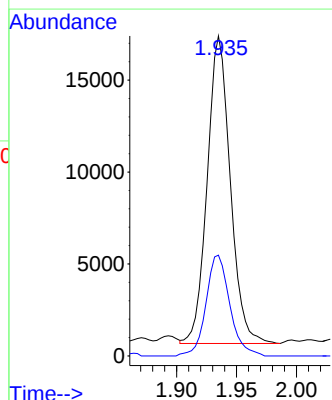
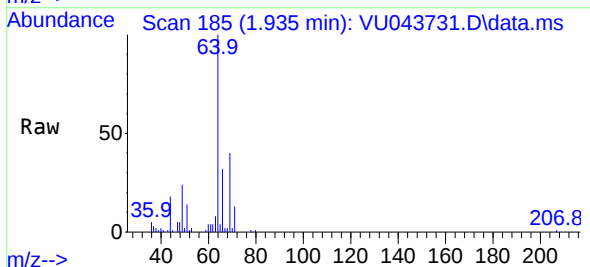
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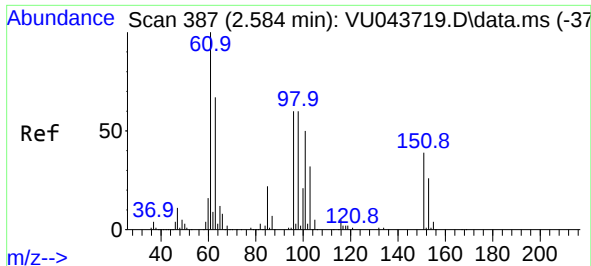
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#8
 Chloroethane
 Concen: 9.72 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. 0.003 min
 Lab File: VU043731.D
 Acq: 14 May 2021 04:15

Tgt Ion: 64 Resp: 22373
 Ion Ratio Lower Upper
 64 100
 66 31.5 23.2 43.2





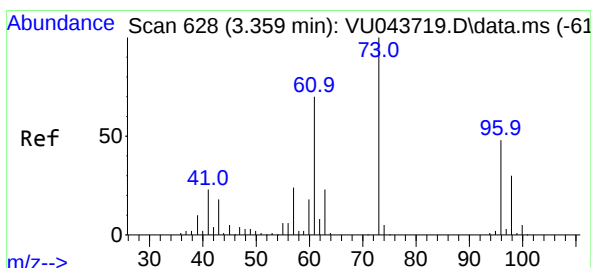
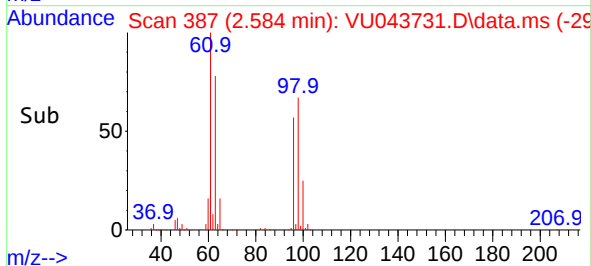
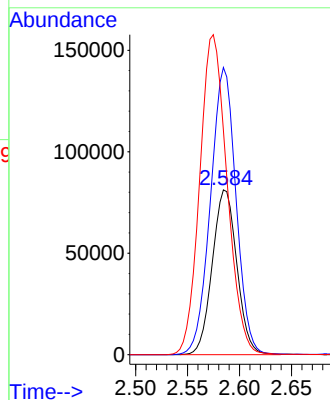
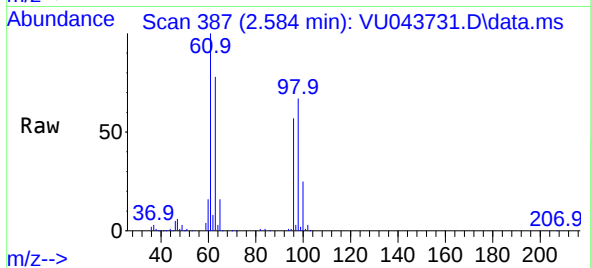
#12
1,1-Dichloroethene
Concen: 44.98 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

Tgt Ion: 96 Resp: 133391
Ion Ratio Lower Upper
96 100
61 174.3 116.3 215.9
63 136.2 80.8 150.2

Instrument :
MSVOA_U
ClientSampleId :
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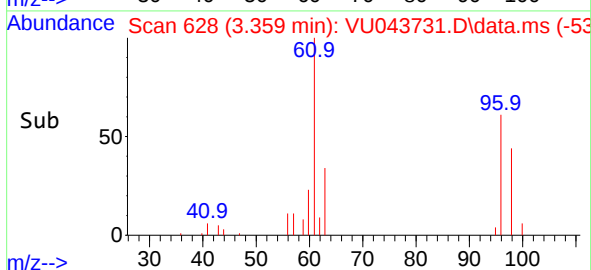
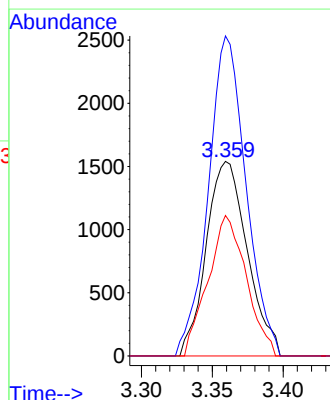
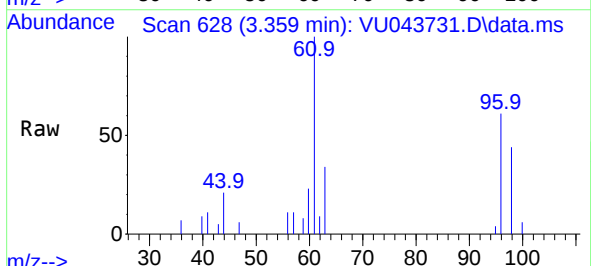
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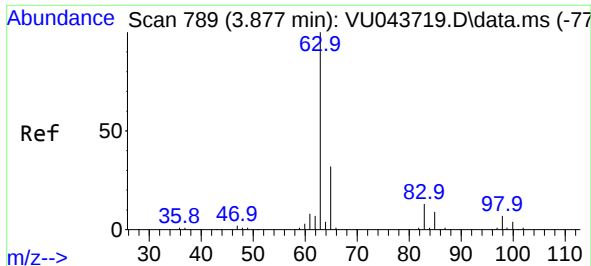
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#17
trans-1,2-Dichloroethene
Concen: 1.01 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

Tgt Ion: 96 Resp: 3103
Ion Ratio Lower Upper
96 100
61 164.5 101.5 188.5
98 72.2 44.9 83.5





#19
1,1-Dichloroethane
Concen: 445.61 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

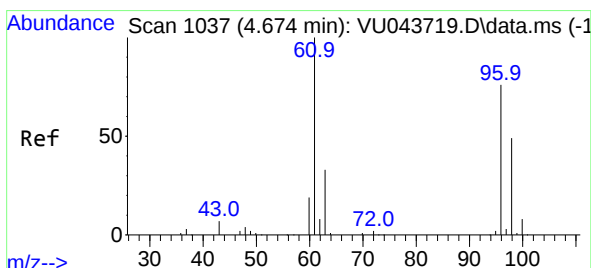
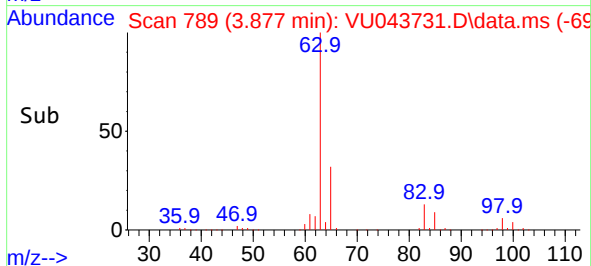
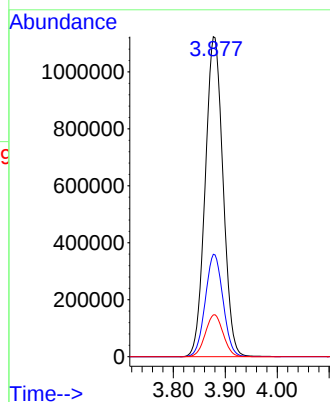
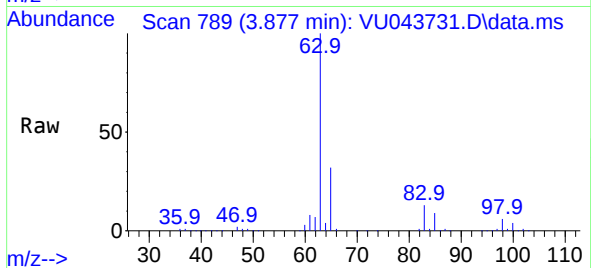
Tgt Ion: 63 Resp: 2672384

Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.0	41.0
83	13.0	8.7	16.1

Instrument :
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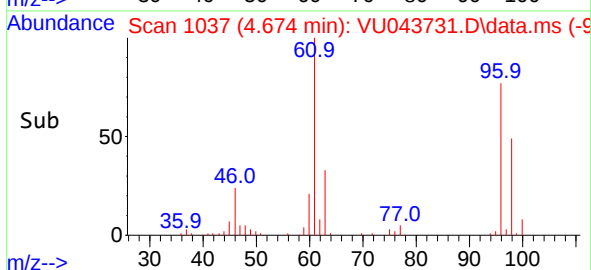
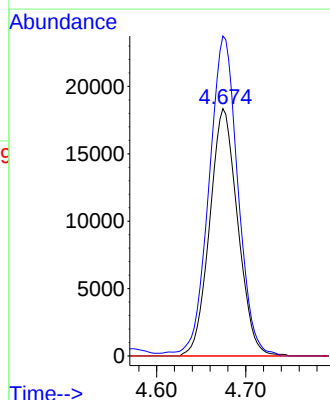
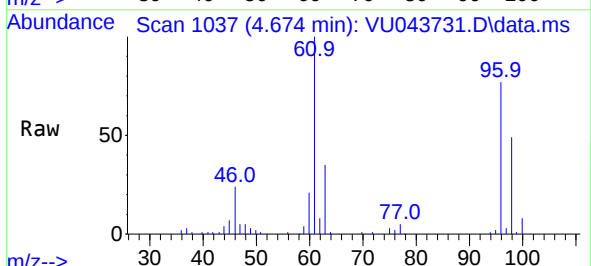
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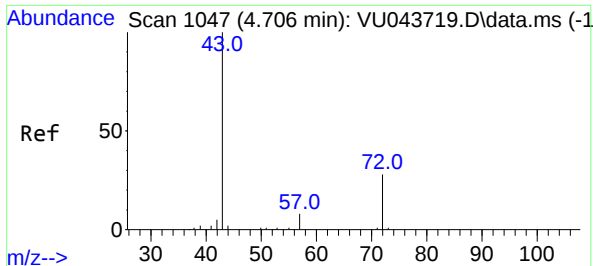


#20
cis-1,2-Dichloroethene
Concen: 11.86 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

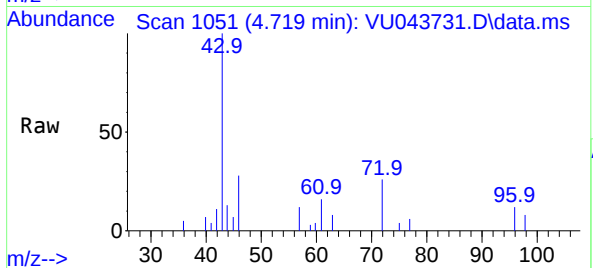
Tgt Ion: 96 Resp: 40093

Ion	Ratio	Lower	Upper
96	100		
61	129.3	93.1	172.9
68	0.0	0.0	0.0

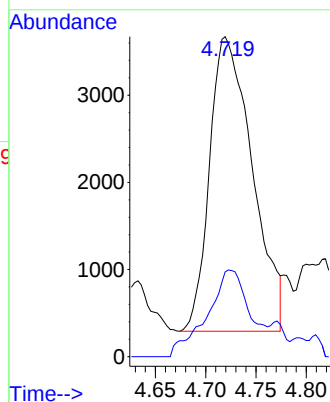
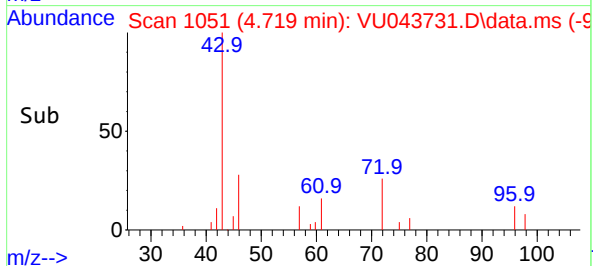




#22
2-Butanone
Concen: 3.27 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.013 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15



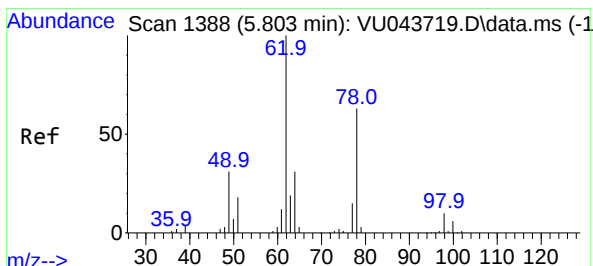
Tgt Ion: 43 Resp: 9984
Ion Ratio Lower Upper
43 100
72 29.6 13.9 41.6



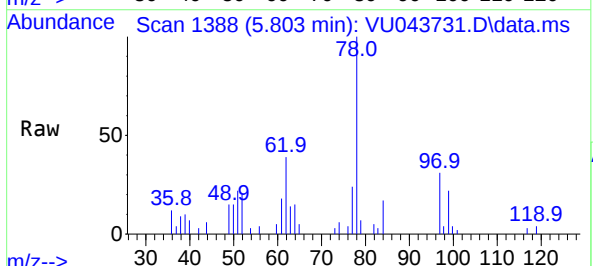
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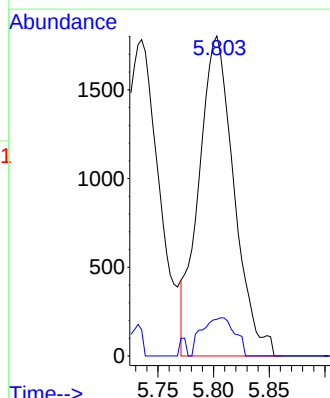
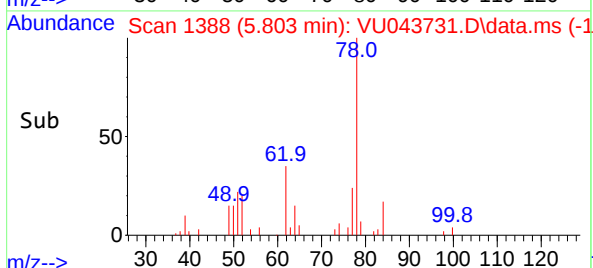
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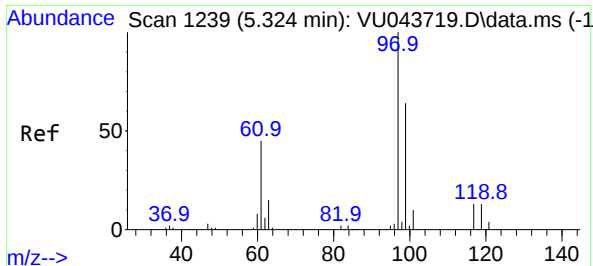


#27
1,2-Dichloroethane
Concen: 0.88 ug/L m
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15



Tgt Ion: 62 Resp: 3977
Ion Ratio Lower Upper
62 100
98 11.5 7.6 11.4#





#30
1,1,1-Trichloroethane
Concen: 1597.27 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

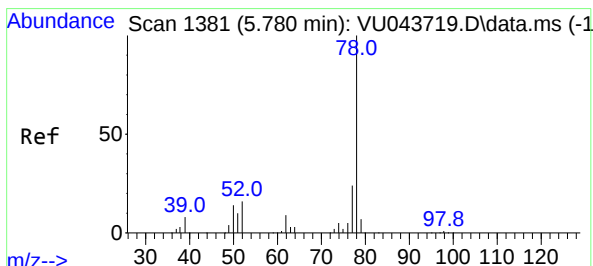
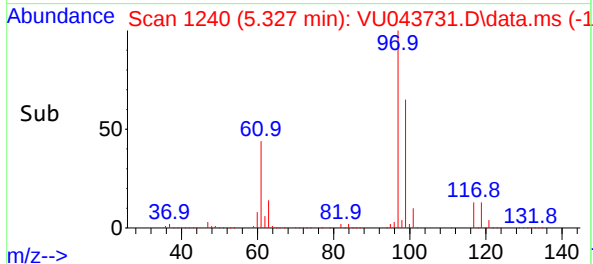
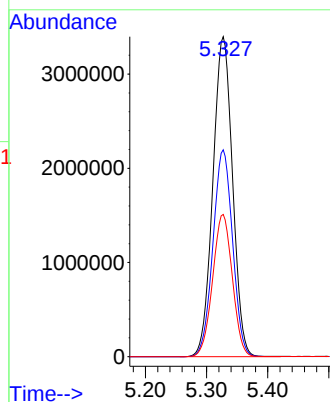
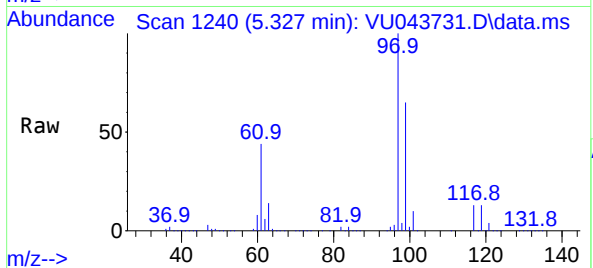
Tgt Ion: 97 Resp: 7591206

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	44.5	36.9	55.3

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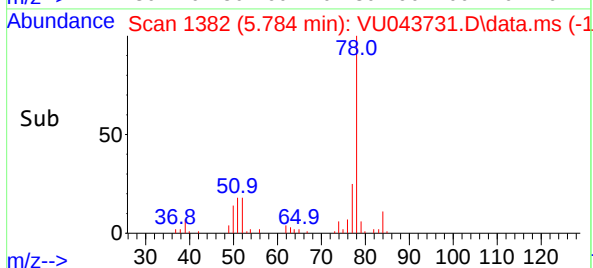
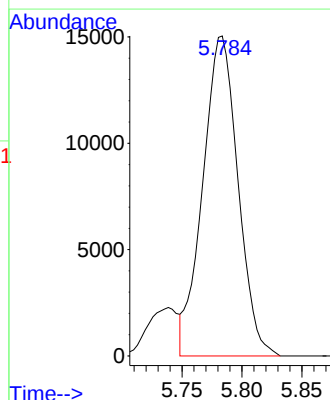
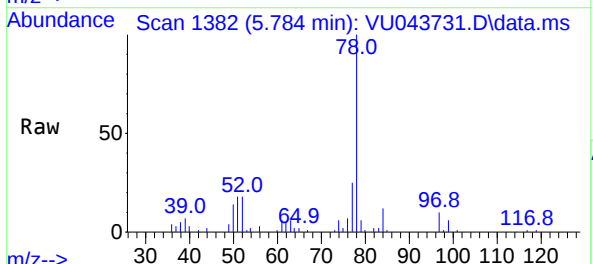
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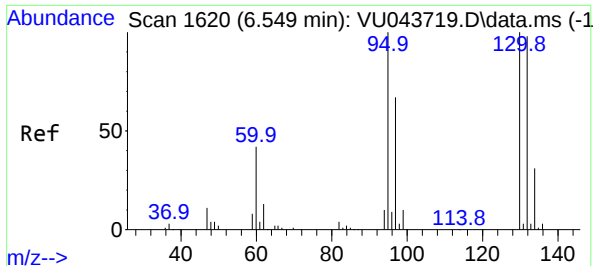
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5/14/2021 11:36:04 AM



#33
Benzene
Concen: 2.31 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

Tgt Ion: 78 Resp: 30732





#34
 Trichloroethene
 Concen: 0.75 ug/L
 RT: 6.549 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VU043731.D
 Acq: 14 May 2021 04:15

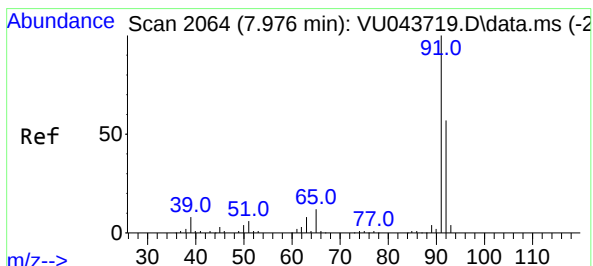
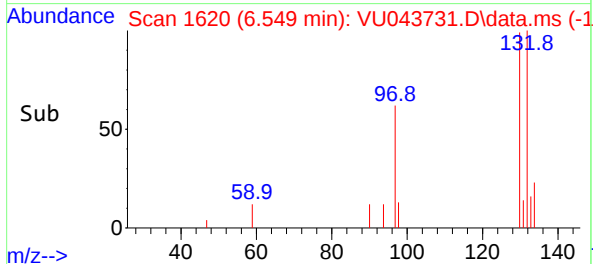
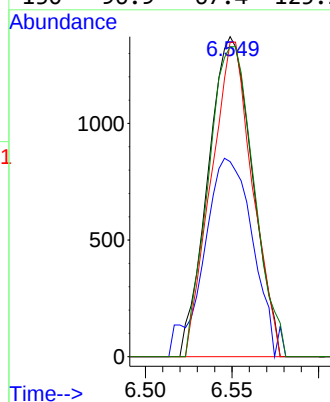
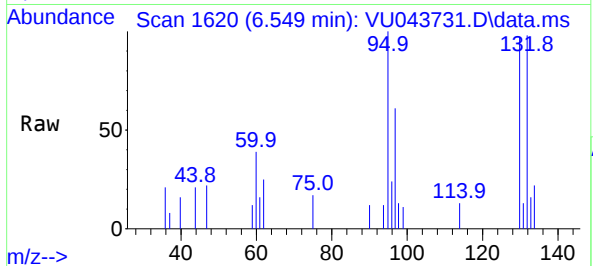
Tgt Ion: 95 Resp: 2443

Ion	Ratio	Lower	Upper
95	100		
97	74.1	44.2	82.2
132	98.3	66.8	124.2
130	96.9	67.4	125.2

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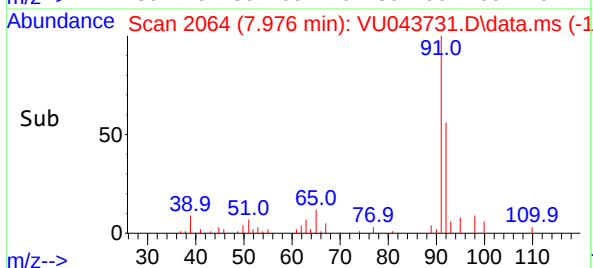
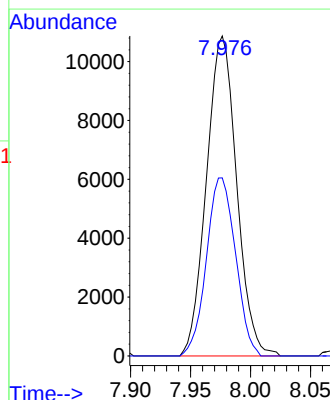
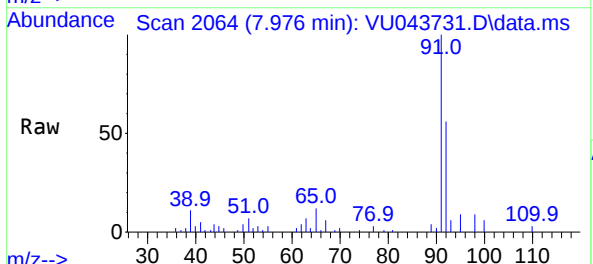
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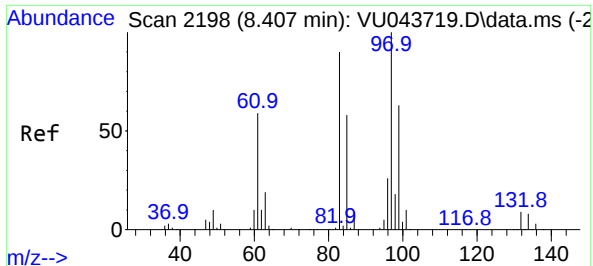


#42
 Toluene
 Concen: 1.37 ug/L
 RT: 7.976 min Scan# 2064
 Delta R.T. 0.000 min
 Lab File: VU043731.D
 Acq: 14 May 2021 04:15

Tgt Ion: 91 Resp: 19064

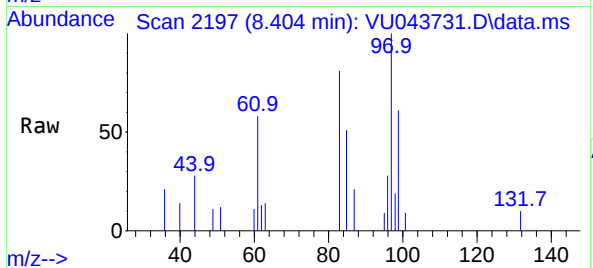
Ion	Ratio	Lower	Upper
91	100		
92	55.7	39.7	73.7





#45
1,1,2-Trichloroethane
Concen: 0.73 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.003 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

Instrument :
MSVOA_U
ClientSampled :
BG6L5

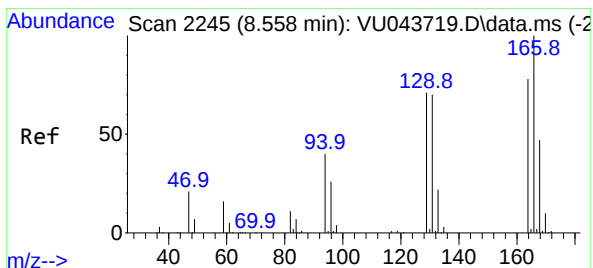
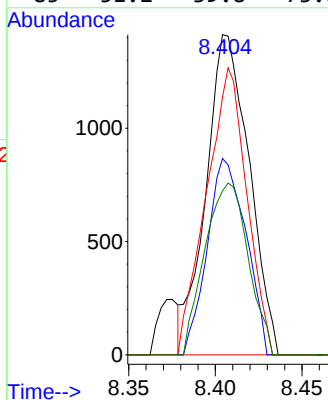
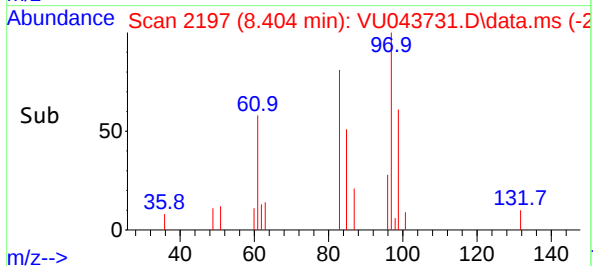


Tgt Ion: 97 Resp: 2452

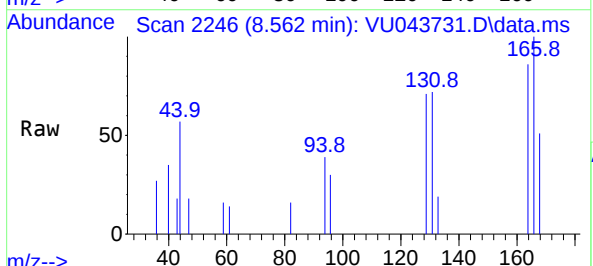
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.2	80.2
83	80.5	61.7	114.5
85	51.2	39.8	73.8

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5/14/2021 11:36:04 AM

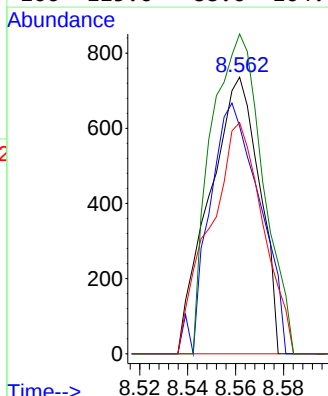
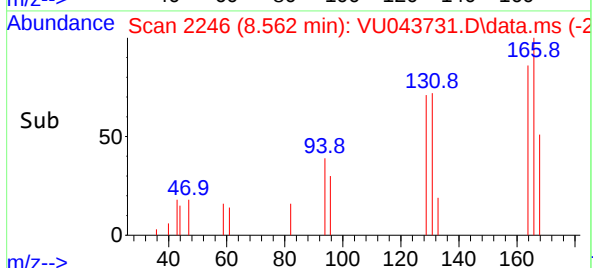


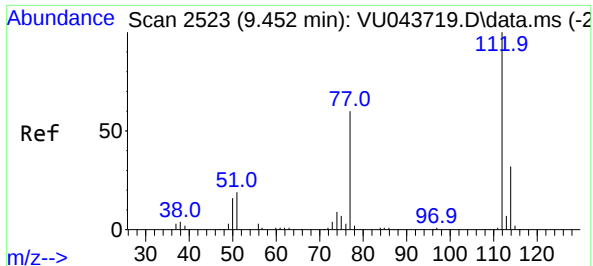
#46
Tetrachloroethene
Concen: 0.42 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15



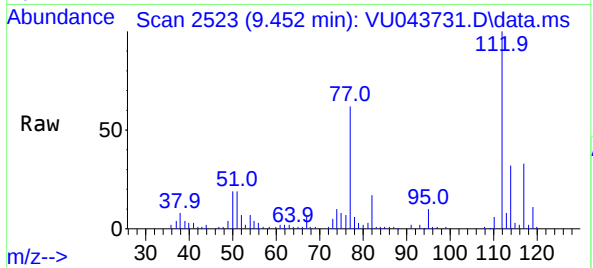
Tgt Ion: 164 Resp: 1066

Ion	Ratio	Lower	Upper
164	100		
129	82.2	65.5	121.6
131	83.6	63.0	117.0
166	115.6	88.6	164.6

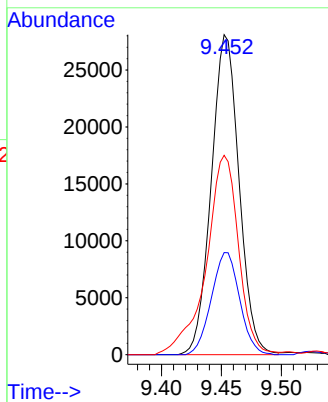
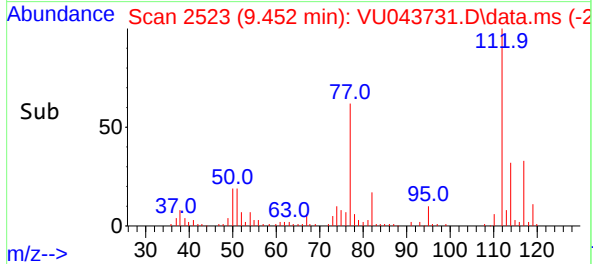




#51
Chlorobenzene
Concen: 5.24 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15



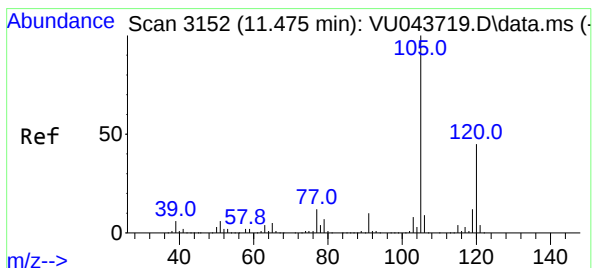
Tgt Ion:112 Resp: 45229
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 62.3 48.5 72.7



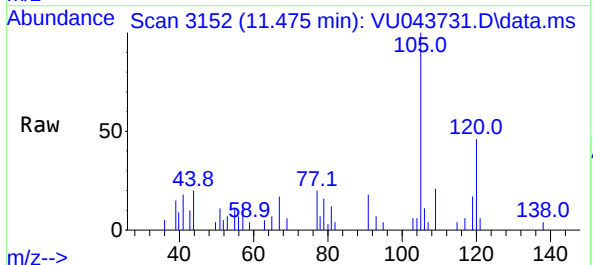
Instrument :
MSVOA_U
ClientSampleId :
BG6L5

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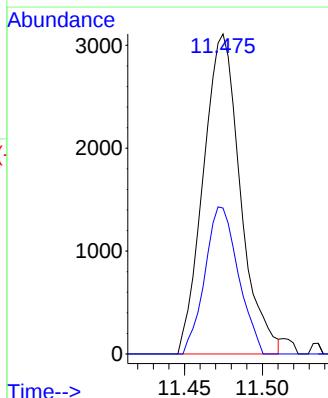
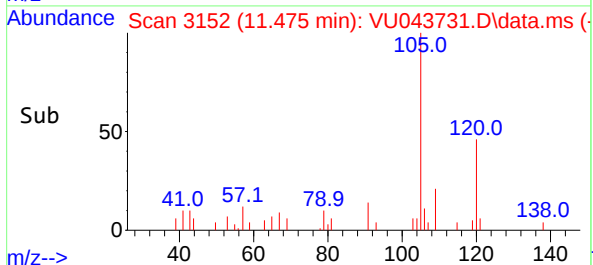
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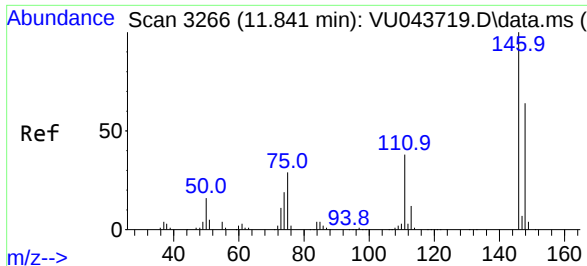


#63
1,2,4-Trimethylbenzene
Concen: 0.48 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15



Tgt Ion:105 Resp: 5135
Ion Ratio Lower Upper
105 100
120 41.4 36.2 54.2





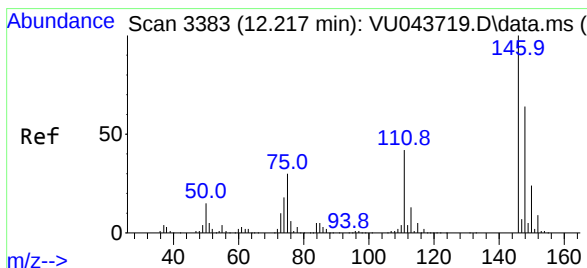
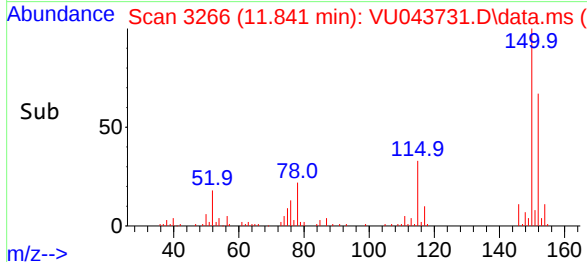
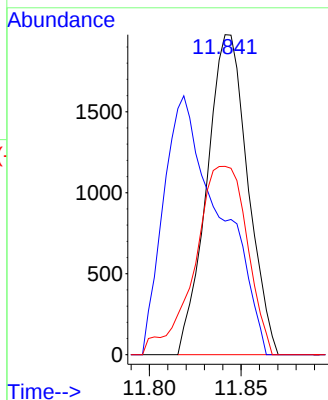
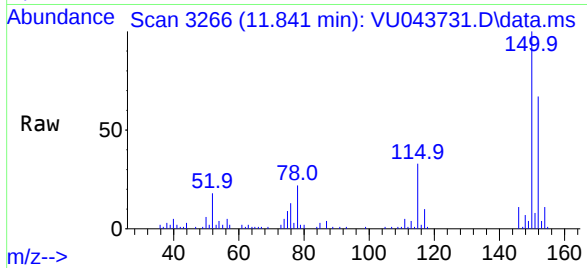
#65
1,4-Dichlorobenzene
Concen: 0.48 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

Tgt Ion:	146	Resp:	3068
Ion Ratio	Lower	Upper	
146	100		
111	41.8	27.1	50.3
148	58.9	45.4	84.4

Instrument :
MSVOA_U
ClientSampleId :
BG6L5

Manual Integrations
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5/14/2021 11:36:04 AM



#67
1,2-Dichlorobenzene
Concen: 2.51 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU043731.D
Acq: 14 May 2021 04:15

Tgt Ion:	146	Resp:	16444
Ion Ratio	Lower	Upper	
146	100		
111	49.1	33.5	50.3
148	61.5	51.7	77.5

