

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
 Data File : VU043932.D
 Acq On : 25 May 2021 00:48
 Operator : SY/MD
 Sample : M2494-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB431

Manual Integrations
 APPROVED

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 5/26/2021 12:01:19 PM

Quant Time: May 25 04:15:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR052421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 25 04:12:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	172968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	177197	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	77567	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	56800	5.90	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 118.00%			
7) Chloroethane-d5	1.922	69	42600	6.13	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 122.60%			
11) 1,1-Dichloroethene-d2	2.575	65	26459	5.65	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 113.00%			
20) 2-Butanone-d5	4.649	46	124818	40.89	ug/L	-0.03
Spiked Amount 50.000	Range 40 - 130		Recovery = 81.78%			
24) Chloroform-d	5.073	84	120753	5.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 108.60%			
26) 1,2-Dichloroethane-d4	5.713	65	64095	5.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 112.80%			
32) Benzene-d6	5.739	84	252627	5.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 112.20%			
36) 1,2-Dichloropropane-d6	6.700	67	80257	5.60	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 112.00%			
41) Toluene-d8	7.906	98	214730	5.19	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.80%			
43) trans-1,3-Dichloroprop...	8.185	79	29000	5.30	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 106.00%			
46) 2-Hexanone-d5	8.645	63	135113	56.41	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 112.82%			
56) 1,1,2,2-Tetrachloroeth...	10.764	84	72569	5.51	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 110.20%			
66) 1,2-Dichlorobenzene-d4	12.198	152	84977	6.03	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 120.60%#			
Target Compounds						Qvalue
13) Acetone	2.658	43	4378m	2.72	ug/L	
14) Carbon disulfide	2.800	76	3429	0.10	ug/L	96
29) 1,1,1-Trichloroethane	5.327	97	1629	0.09	ug/L #	78
40) 4-Methyl-2-pentanone	7.803	43	6422	0.90	ug/L #	81
42) Toluene	7.976	91	7021	0.14	ug/L	100
47) Tetrachloroethene	8.558	164	4686	0.44	ug/L	96
51) Chlorobenzene	9.452	112	2573	0.08	ug/L	93
52) Ethylbenzene	9.574	91	3277	0.07	ug/L	93
53) m,p-Xylene	9.700	106	1479	0.07	ug/L	94
54) o-Xylene	10.108	106	1096	0.06	ug/L	90
55) Styrene	10.118	104	2133	0.07	ug/L	84
60) Isopropylbenzene	10.491	105	3201	0.08	ug/L #	94
63) 1,2,4-Trimethylbenzene	11.475	105	3183	0.10	ug/L	94
64) 1,3-Dichlorobenzene	11.751	146	2628	0.12	ug/L	94
65) 1,4-Dichlorobenzene	11.841	146	2731	0.13	ug/L	94
67) 1,2-Dichlorobenzene	12.217	146	2864	0.14	ug/L #	82
70) 1,2,4-trichlorobenzene	13.844	180	3543	0.27	ug/L	95
72) 1,2,3-Trichlorobenzene	14.336	180	3920	0.31	ug/L	98

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

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

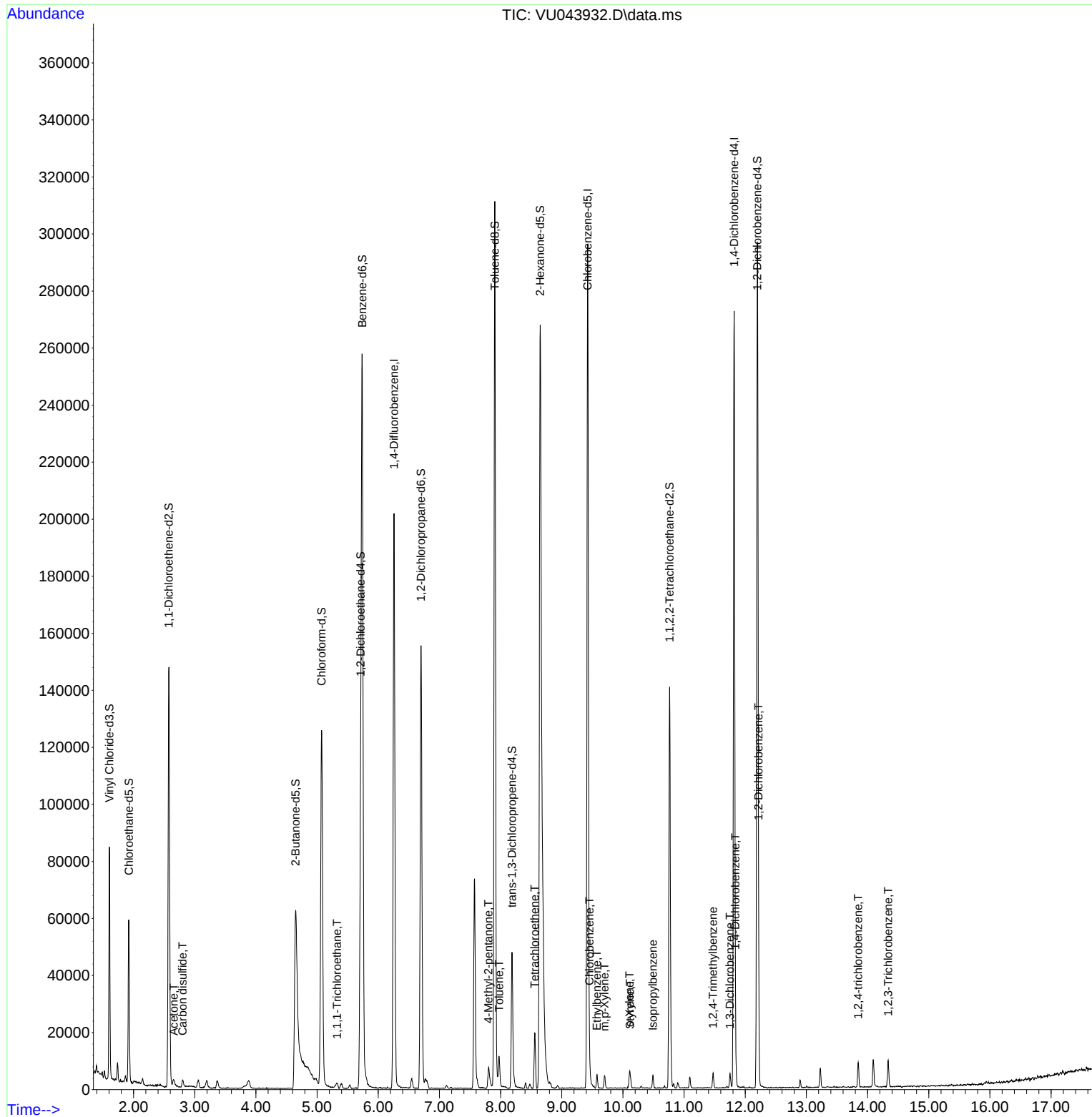
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Data File : VU043932.D
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Operator : SY/MD
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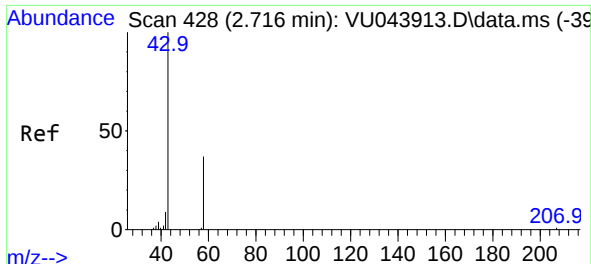
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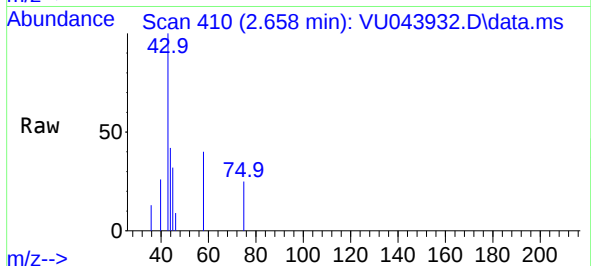
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue May 25 04:12:21 2021
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#13
Acetone
Concen: 2.72 ug/L m
RT: 2.658 min Scan# 410
Delta R.T. -0.058 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

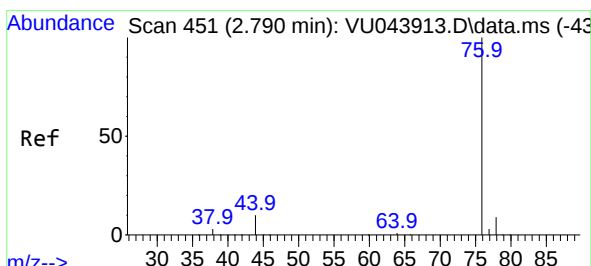
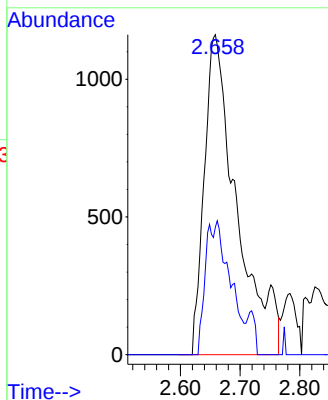
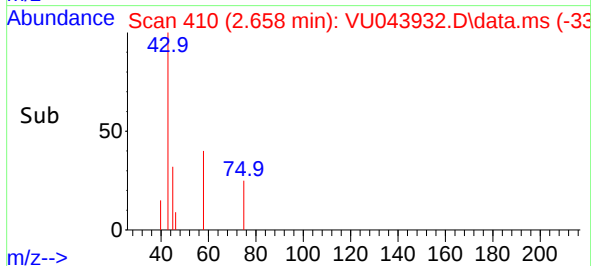
Instrument :
MSVOA_U
ClientSampled :
GB431



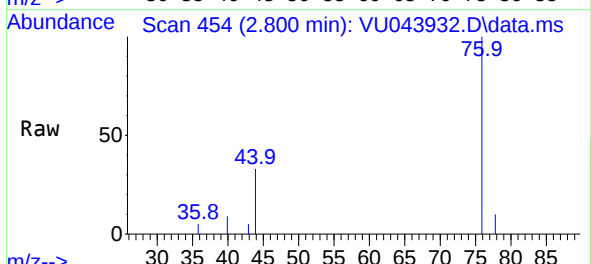
Tgt Ion: 43 Resp: 4378
Ion Ratio Lower Upper
43 100
58 0.4 0.0 46.2

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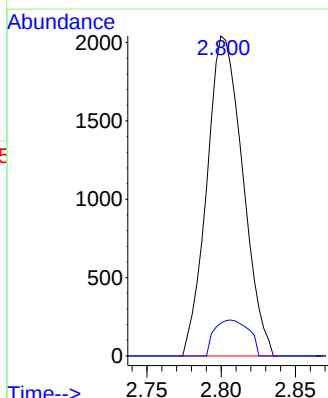
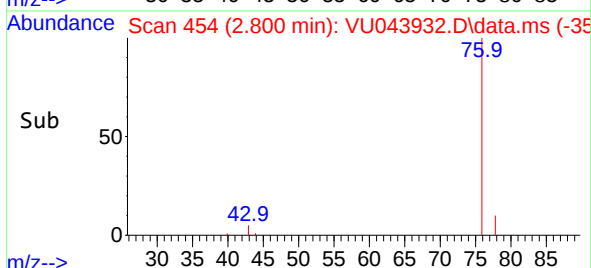
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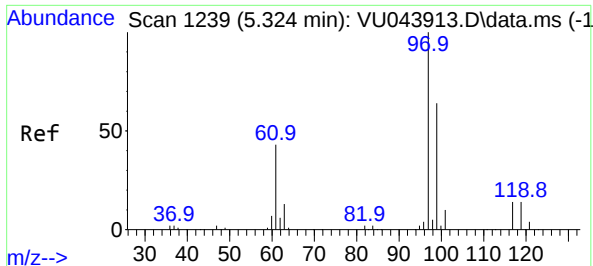


#14
Carbon disulfide
Concen: 0.10 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.010 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48



Tgt Ion: 76 Resp: 3429
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6





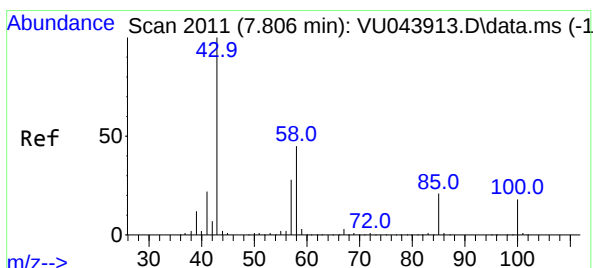
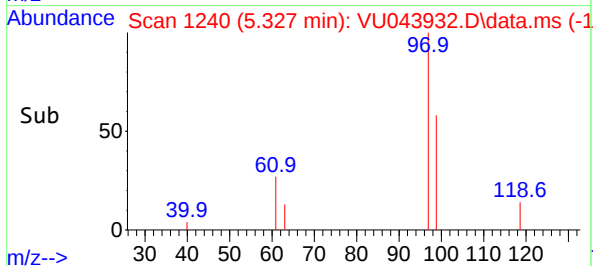
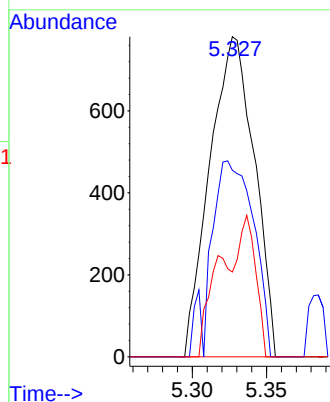
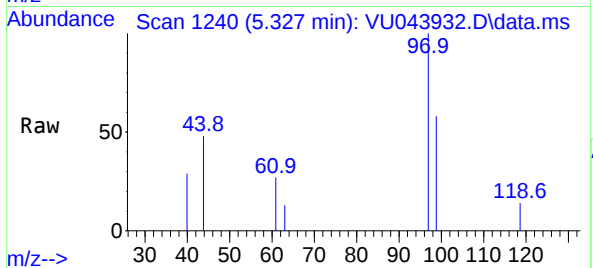
#29
1,1,1-Trichloroethane
Concen: 0.09 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

Tgt Ion: 97 Resp: 1629
Ion Ratio Lower Upper
97 100
99 58.8 51.9 77.9
61 16.3 34.7 52.1#

Instrument :
MSVOA_U
ClientSampled :
GB431

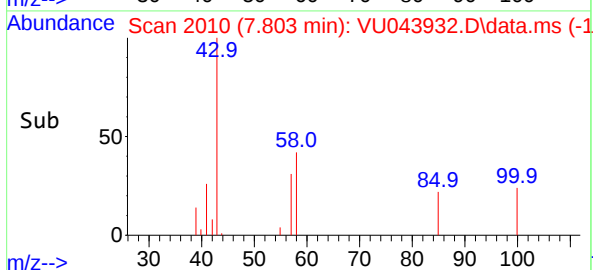
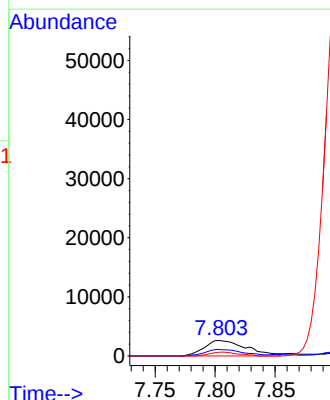
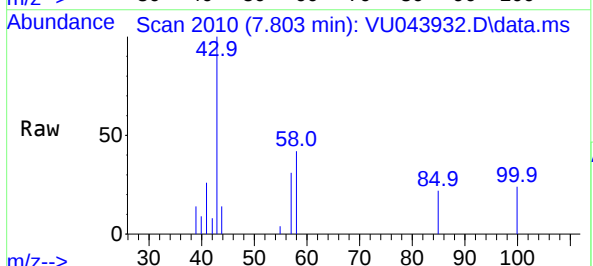
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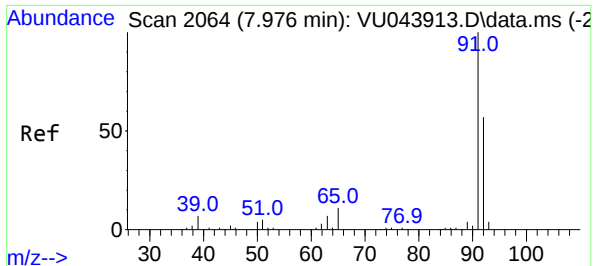
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#40
4-Methyl-2-pentanone
Concen: 0.90 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. -0.003 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

Tgt Ion: 43 Resp: 6422
Ion Ratio Lower Upper
43 100
58 37.4 35.2 52.8
100 0.0 14.2 21.2#





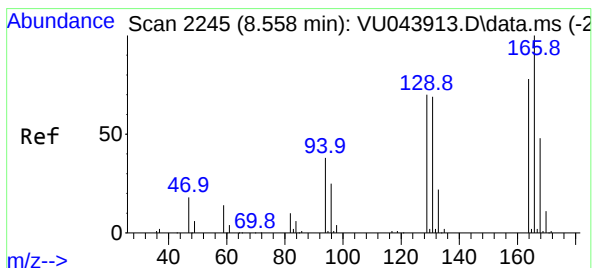
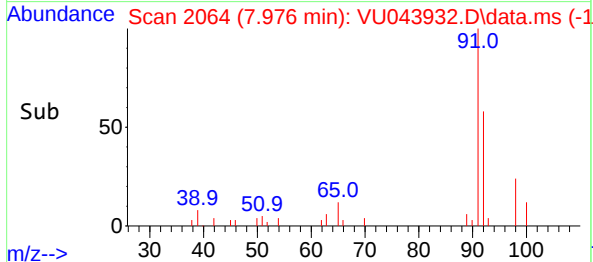
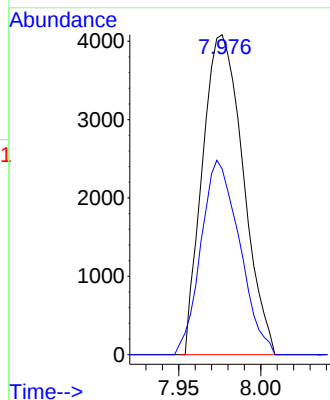
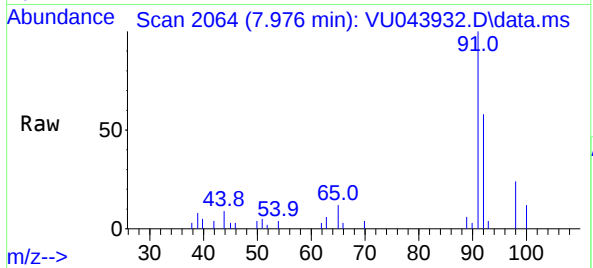
#42
Toluene
Concen: 0.14 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

Tgt Ion: 91 Resp: 7021
Ion Ratio Lower Upper
91 100
92 58.1 40.5 75.1

Instrument :
MSVOA_U
ClientSampled :
GB431

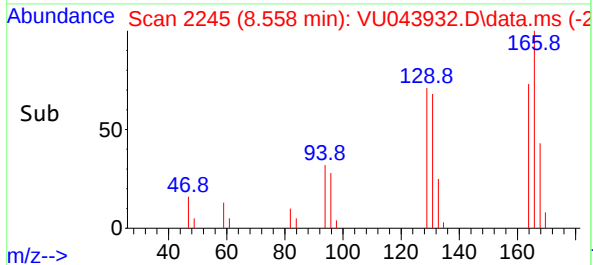
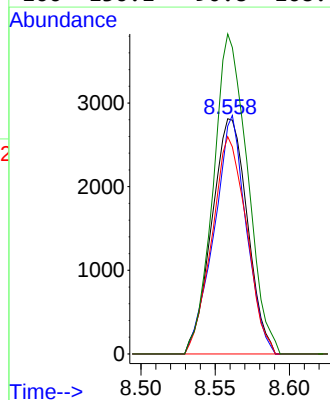
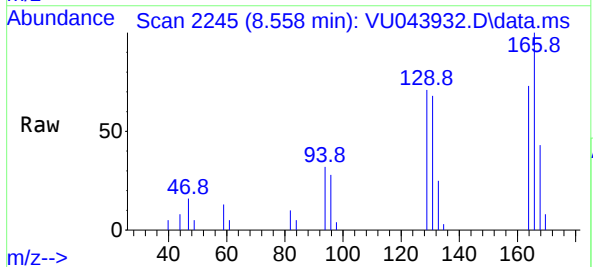
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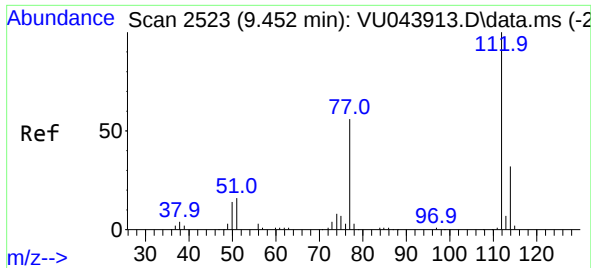
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#47
Tetrachloroethene
Concen: 0.44 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

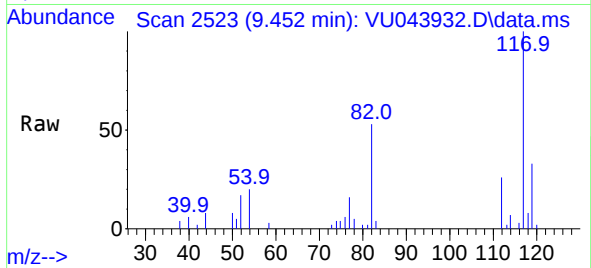
Tgt Ion: 164 Resp: 4686
Ion Ratio Lower Upper
164 100
129 96.9 64.1 119.1
131 92.4 64.5 119.9
166 136.1 90.8 168.6





#51
Chlorobenzene
Concen: 0.08 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

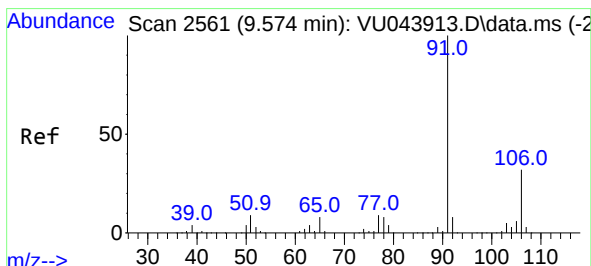
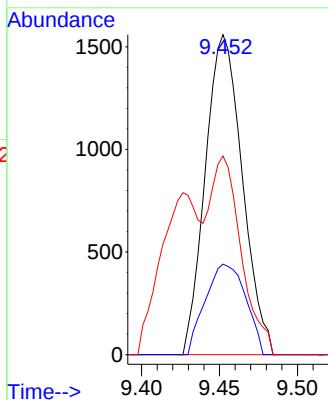
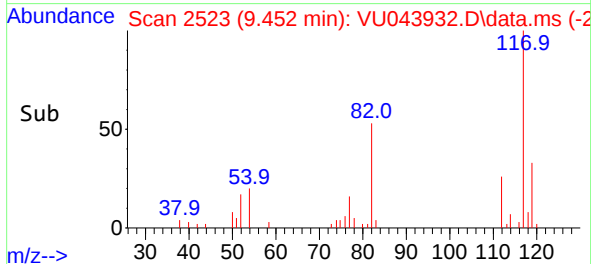
Instrument :
MSVOA_U
ClientSampled :
GB431



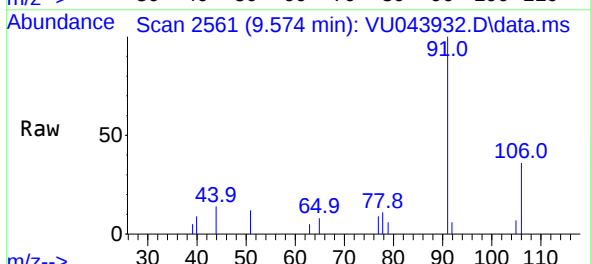
Tgt Ion:112 Resp: 2573
Ion Ratio Lower Upper
112 100
114 28.3 22.7 42.1
77 62.1 45.9 68.9

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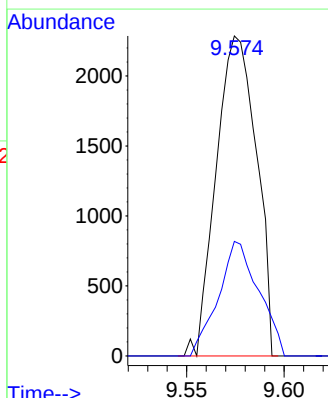
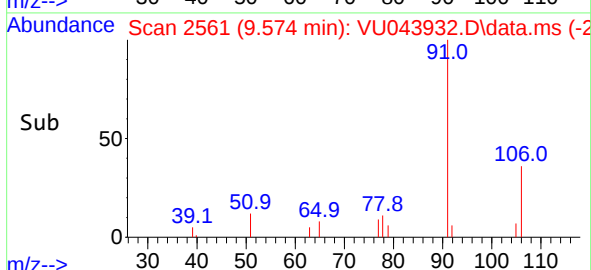
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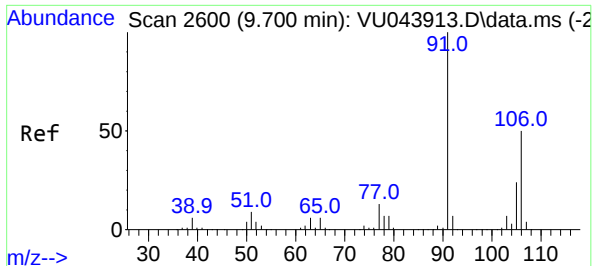


#52
Ethylbenzene
Concen: 0.07 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48



Tgt Ion: 91 Resp: 3277
Ion Ratio Lower Upper
91 100
106 35.8 22.5 41.7





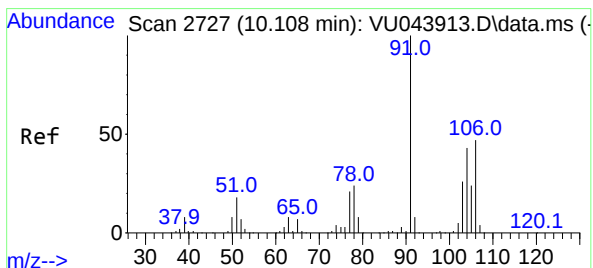
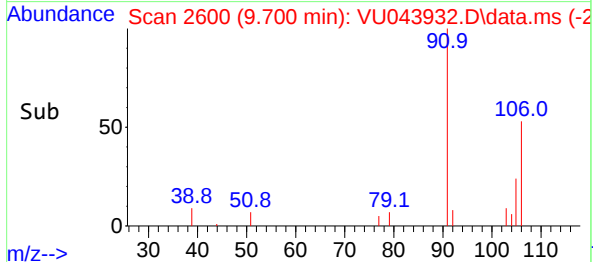
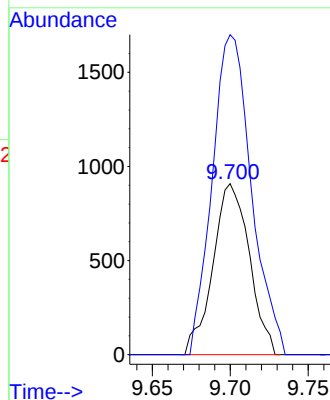
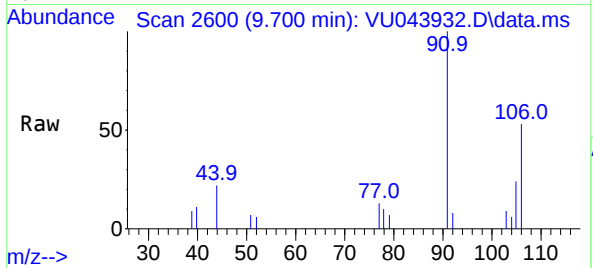
#53
m,p-Xylene
Concen: 0.07 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

Tgt Ion:106 Resp: 1479
Ion Ratio Lower Upper
106 100
91 187.0 137.3 255.1

Instrument :
MSVOA_U
ClientSampled :
GB431

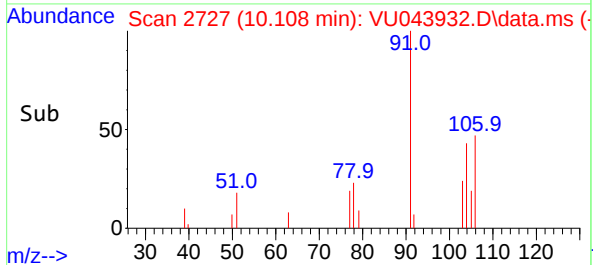
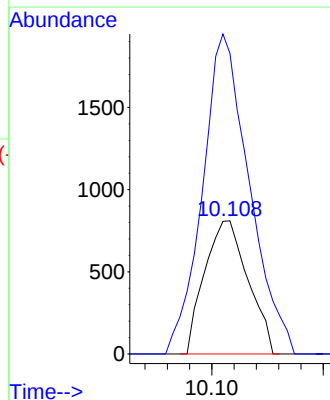
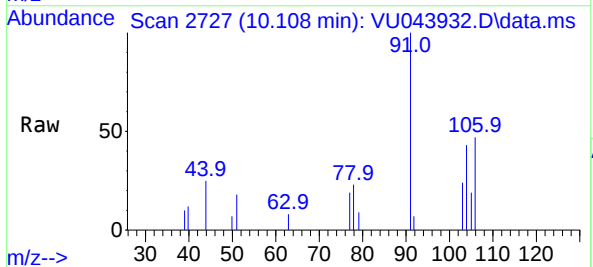
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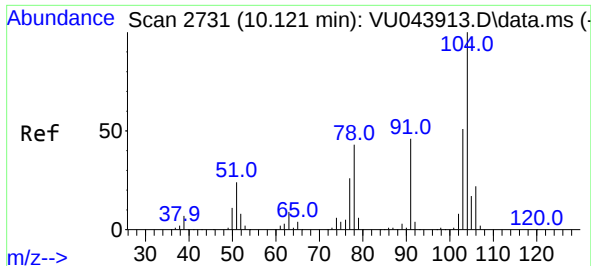
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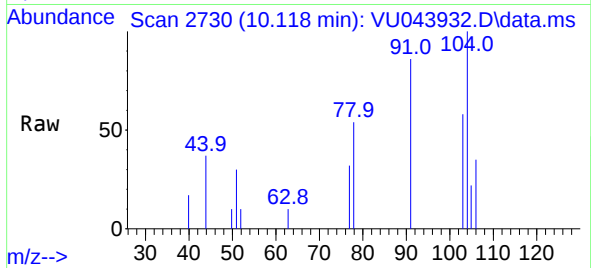
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o-Xylene
Concen: 0.06 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

Tgt Ion:106 Resp: 1096
Ion Ratio Lower Upper
106 100
91 225.7 146.9 272.9

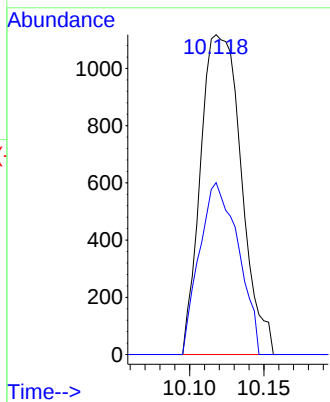
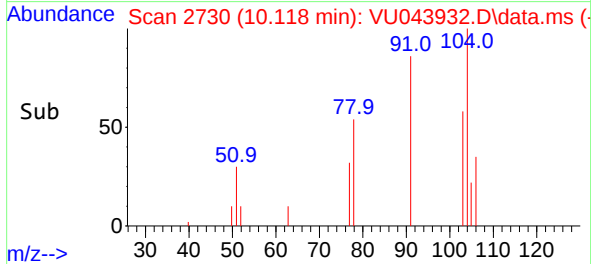




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Styrene
Concen: 0.07 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48



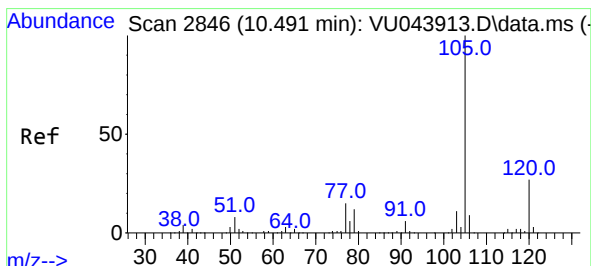
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Ion Ratio Lower Upper
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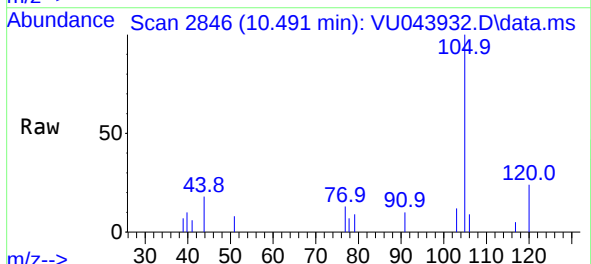
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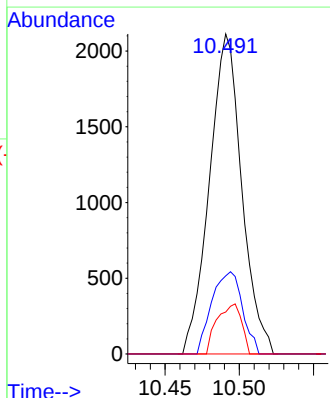
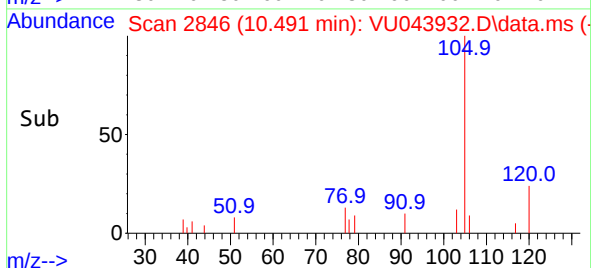
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5/26/2021 12:01:19 PM

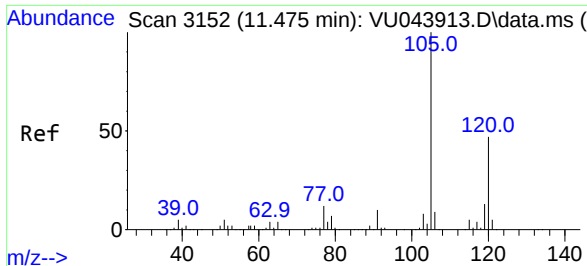


#60
Isopropylbenzene
Concen: 0.08 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48



Tgt Ion:105 Resp: 3201
Ion Ratio Lower Upper
105 100
120 24.3 21.6 32.4
77 11.8 12.2 18.4#





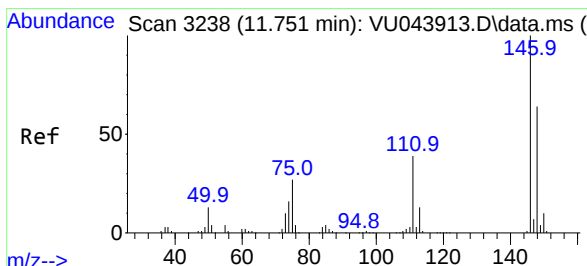
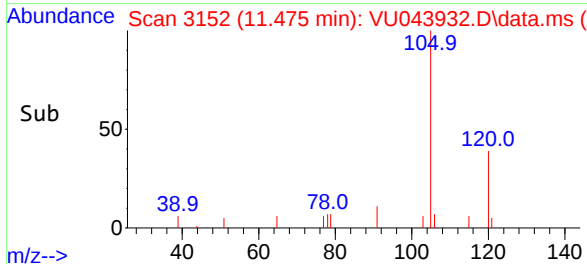
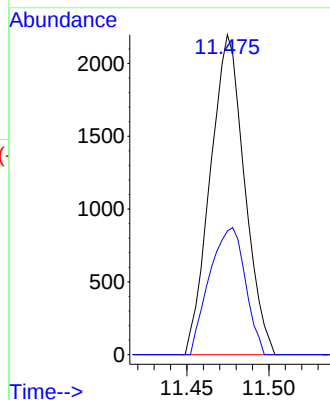
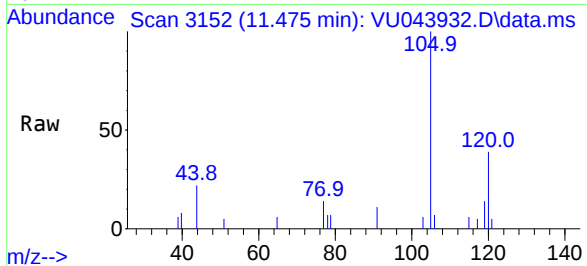
#63
1,2,4-Trimethylbenzene
Concen: 0.10 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

Tgt Ion:105 Resp: 3183
Ion Ratio Lower Upper
105 100
120 41.5 36.3 54.5

Instrument :
MSVOA_U
ClientSampled :
GB431

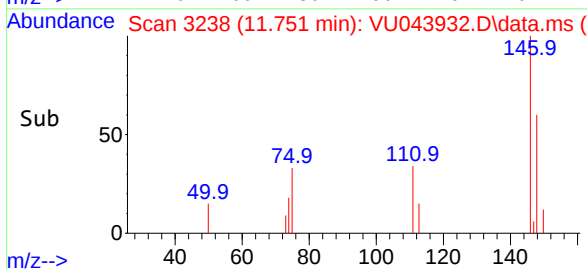
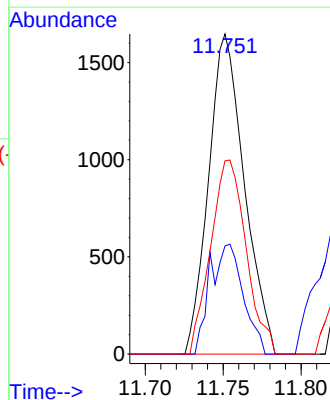
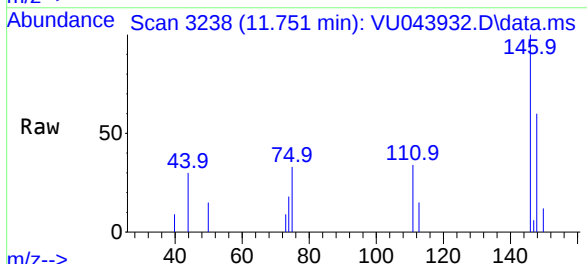
Manual Integrations
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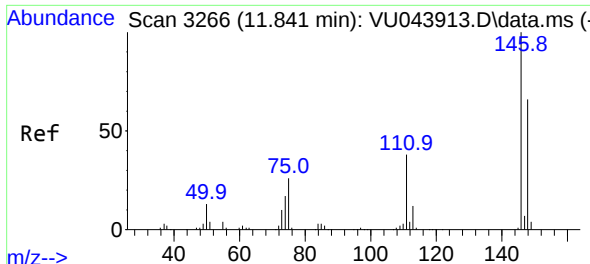
MMDadoda
5/26/2021 12:01:19 PM



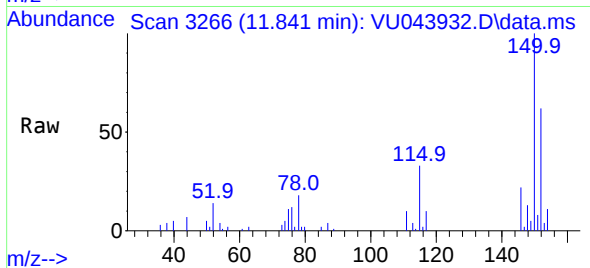
#64
1,3-Dichlorobenzene
Concen: 0.12 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

Tgt Ion:146 Resp: 2628
Ion Ratio Lower Upper
146 100
111 33.8 27.4 51.0
148 60.4 44.1 81.9



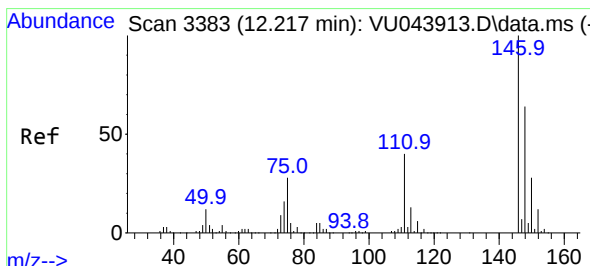
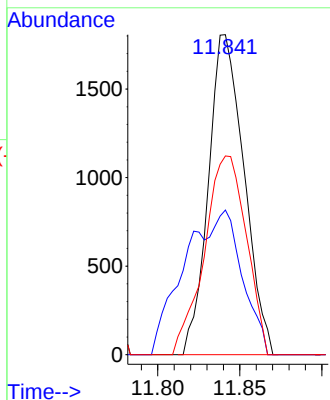
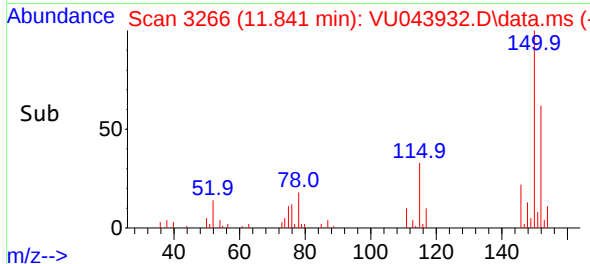


#65
1,4-Dichlorobenzene
Concen: 0.13 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

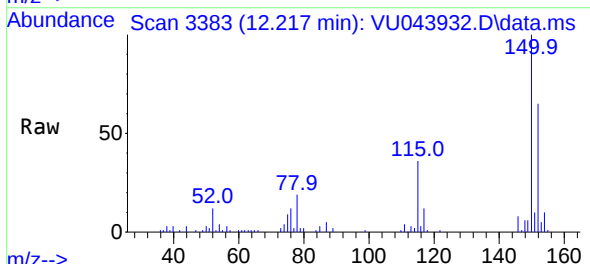


Tgt Ion:146 Resp: 2731

Ion	Ratio	Lower	Upper
146	100		
111	45.2	26.2	48.8
148	62.1	44.2	82.0

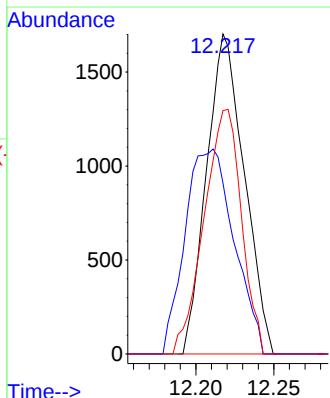
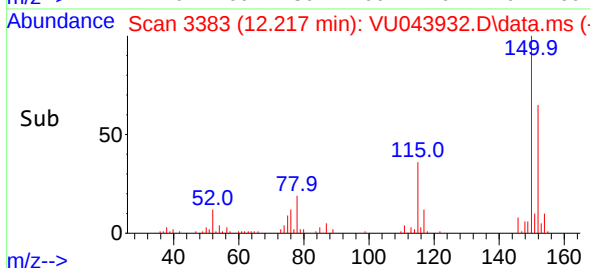


#67
1,2-Dichlorobenzene
Concen: 0.14 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48



Tgt Ion:146 Resp: 2864

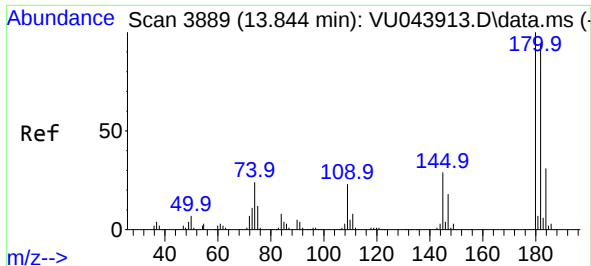
Ion	Ratio	Lower	Upper
146	100		
111	53.4	32.4	48.6#
148	76.0	50.6	76.0#



Instrument :
MSVOA_U
ClientSampled :
GB431

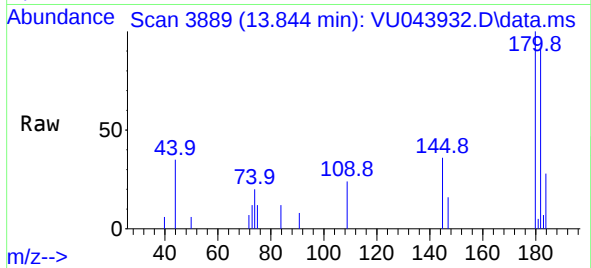
Manual Integrations
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5/26/2021 12:01:19 PM



#70
1,2,4-trichlorobenzene
Concen: 0.27 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48

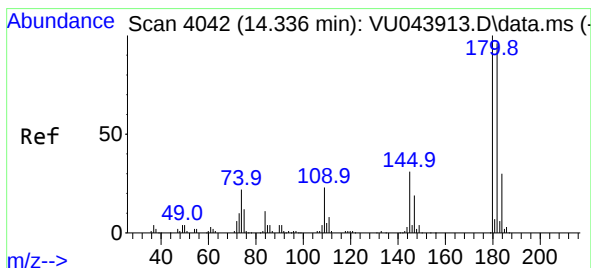
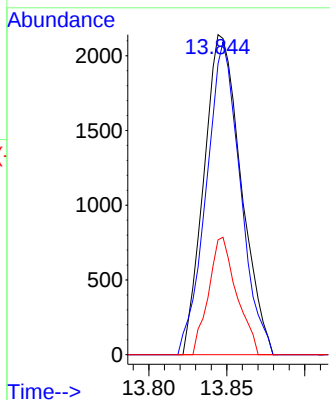
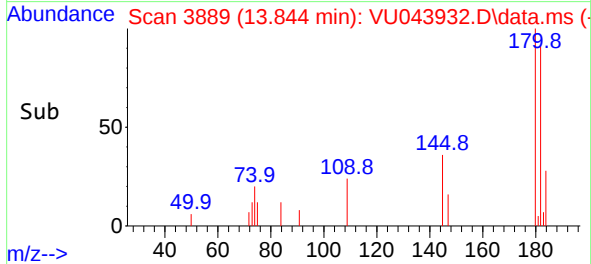
Instrument :
MSVOA_U
ClientSampled :
GB431



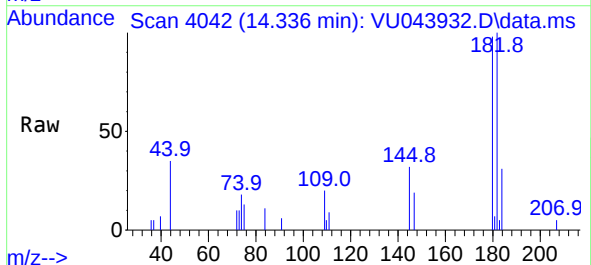
Tgt Ion:180 Resp: 3543
Ion Ratio Lower Upper
180 100
182 89.8 76.4 114.6
145 27.6 23.2 34.8

Manual Integrations
APPROVED

MMDadoda
5/26/2021 12:01:19 PM



#72
1,2,3-Trichlorobenzene
Concen: 0.31 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. -0.000 min
Lab File: VU043932.D
Acq: 25 May 2021 00:48



Tgt Ion:180 Resp: 3920
Ion Ratio Lower Upper
180 100
182 91.3 75.0 112.4
145 29.3 24.1 36.1

