

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040916.D
 Acq On : 22 Oct 2020 20:59
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Oct 23 06:59:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 06:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	65375	1.00	ug/l	0.00

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System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	24713	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	26115	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	552013	27.340	ug/l 99
3) Chloromethane	1.53	50	568472	26.526	ug/l 97
4) Vinyl Chloride	1.61	62	553618	26.385	ug/l 99
5) Bromomethane	1.87	94	286815	19.314	ug/l 99
6) Chloroethane	1.94	64	310161	22.833	ug/l 99
7) Trichlorofluoromethane	2.15	101	683642	22.628	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	378385	21.850	ug/l 100
9) 1,1-Dichloroethene	2.59	96	342687	23.185	ug/l 100
10) Iodomethane	2.74	142	449908	36.891	ug/l 99
11) Allyl Chloride	2.94	41	699466	23.751	ug/l 99
12) Acrylonitrile	3.34	53	238743	46.252	ug/l 100
13) Acetone	2.65	43	484493	105.498	ug/l 100
14) Carbon Disulfide	2.81	76	1262298	28.753	ug/l 100
15) Methylene Chloride	3.06	84	392585	17.690	ug/l 99
16) trans-1,2-Dichloroethene	3.37	96	375565	23.345	ug/l 99
17) 1,1-Dichloroethane	3.89	63	757022	21.711	ug/l 100
18) 2-Butanone	4.74	43	822003	114.419	ug/l 100
19) Cyclohexane	5.40	56	735031m	24.632	ug/l
20) Methylcyclohexane	6.77	83	681828	25.541	ug/l 98
21) 2,2-Dichloropropane	4.68	77	611871	18.905	ug/l 100
22) cis-1,2-Dichloroethene	4.68	96	391142	21.305	ug/l 97
23) Diethyl Ether	2.39	59	339646	24.000	ug/l 99
24) tert-Butyl Alcohol	3.25	59	325056	174.367	ug/l # 84
25) Methyl tert-Butyl Ether	3.38	73	1066346	21.974	ug/l 98
26) Bromochloromethane	4.99	128	174386	21.711	ug/l 95
27) Chloroform	5.11	83	724808	20.741	ug/l 98
28) 1,1,1-Trichloroethane	5.33	97	622813	20.604	ug/l 98
29) 1,1-Dichloropropene	5.54	75	576318	22.198	ug/l 99
30) Carbon Tetrachloride	5.54	117	575208	21.038	ug/l 99
31) Isopropyl Ether	4.02	45	1219381	20.778	ug/l 97
32) Ethyl-t-butyl ether	4.53	59	1077739	20.395	ug/l 99
33) Tert-Amyl methyl ether	5.96	73	934782	20.475	ug/l 99
34) Propionitrile	4.82	54	226387	123.670	ug/l # 94
35) Benzene	5.79	78	1613010	22.450	ug/l 100
36) 1,2-Dichloroethane	5.81	62	573577	20.805	ug/l 100
37) Trichloroethene	6.55	130	384380	21.346	ug/l 93
38) 1,2-Dichloropropane	6.81	63	452106	21.785	ug/l 95
39) Methacrylonitrile	5.00	41	208683	21.494	ug/l 98
40) Methyl acrylate	4.87	55	297691	23.727	ug/l 99
41) Tetrahydrofuran	5.09	42	208226	44.215	ug/l 99
42) 1-Chlorobutane	5.47	56	870379	22.617	ug/l 100

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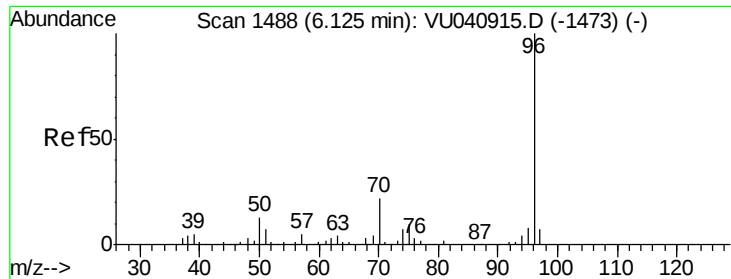
Manual Integrations
 APPROVED

Quant Time: Oct 23 06:59:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
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 QLast Update : Fri Oct 23 06:42:58 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	242837	20.399	ug/l	99
44) Bromodichloromethane	7.12	83	589802	20.685	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	1957707	119.765	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	310656m	50.251	ug/l	99
47) Methyl methacrylate	6.98	69	507839	49.291	ug/l	99
48) Ethyl methacrylate	8.34	69	456170	24.784	ug/l	99
49) Toluene	7.98	92	992297	22.880	ug/l	99
50) t-1,3-Dichloropropene	8.22	75	575603	22.550	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	626927	22.111	ug/l	100
52) 1,1,2-Trichloroethane	8.41	97	321999	21.091	ug/l	98
53) 1,3-Dichloropropane	8.58	76	593206	21.631	ug/l	99
54) 2-Hexanone	8.70	43	1407879	119.694	ug/l	99
55) Dibromochloromethane	8.82	129	385086	21.673	ug/l	99
56) 1,2-Dibromoethane	8.93	107	314758	22.047	ug/l	96
58) Tetrachloroethene	8.56	164	337816	19.494	ug/l	99
59) Chlorobenzene	9.45	112	1025147	21.726	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	371886	21.430	ug/l	99
61) Pentachloroethane	11.43	117	293283	23.922	ug/l	98
62) Hexachloroethane	12.47	117	324450	21.597	ug/l	98
63) Ethyl Benzene	9.57	91	1901375	23.575	ug/l	100
64) m/p-Xylenes	9.69	106	1439805	47.462	ug/l	100
65) o-Xylene	10.10	106	665149	22.897	ug/l	98
66) Styrene	10.11	104	1192962	23.354	ug/l	99
67) Bromoform	10.29	173	219001	23.688	ug/l	99
69) Isopropylbenzene	10.48	105	1808593	22.787	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	446294	21.797	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	374723m	23.812	ug/l	99
72) Bromobenzene	10.78	156	410564	21.828	ug/l	99
73) n-propylbenzene	10.91	120	505621	22.928	ug/l	99
74) 2-Chlorotoluene	10.99	126	416372	21.635	ug/l	97
75) 1,3,5-Trimethylbenzene	11.09	105	1590243	22.843	ug/l	99
76) 4-Chlorotoluene	11.10	126	447056	21.582	ug/l	99
77) tert-Butylbenzene	11.42	119	1499633	23.126	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	1649684	22.539	ug/l	99
79) sec-Butylbenzene	11.64	105	2054036	21.993	ug/l	100
80) Nitrobenzene	13.20	77	120233	141.712	ug/l	95
81) p-Isopropyltoluene	11.79	119	1749894	23.348	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	850664	20.672	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	867887	21.269	ug/l	99
84) n-Butylbenzene	12.20	91	1790836	23.434	ug/l	100
85) 1,2-Dichlorobenzene	12.21	146	845667	21.399	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	87010	23.172	ug/l	99
87) 1,2,4-Trichlorobenzene	13.83	180	560611	24.556	ug/l	99
88) Hexachlorobutadiene	14.01	225	273727	22.939	ug/l	98
89) Naphthalene	14.08	128	1289612	28.958	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	541540	25.018	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

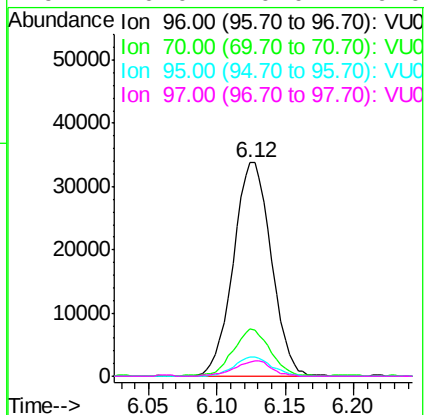
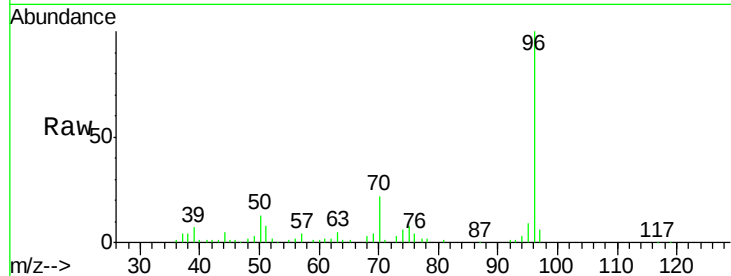
MSVOA_U

ClientSampleId :

VSTDIC020

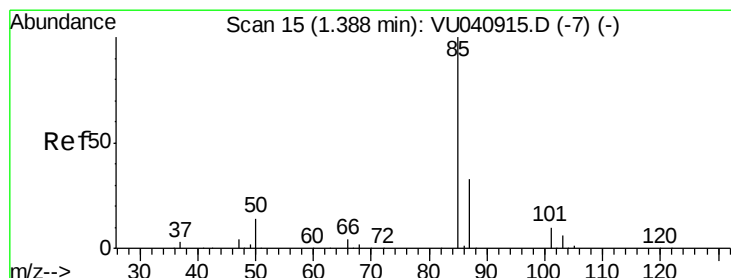
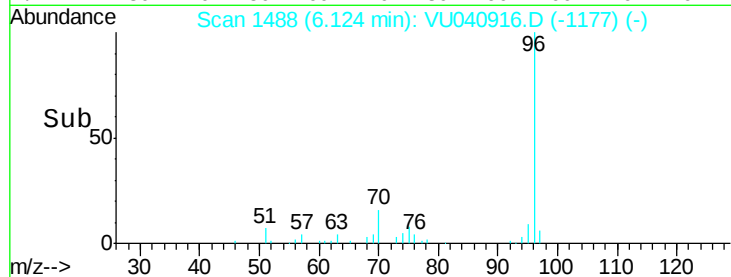
Tot Ion:	96	Resp:	65375
Ion	Ratio	Lower	Upper
96	100		
70	21.8	16.3	24.5
95	0.0	7.3	10.9
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 27.340 ug/l

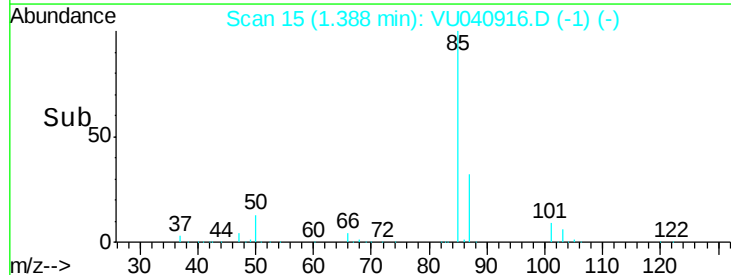
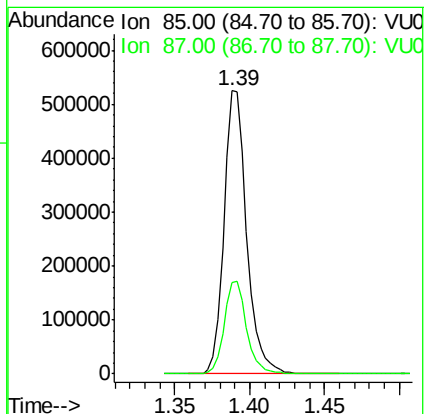
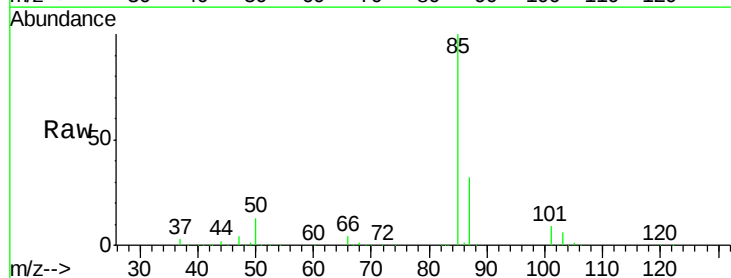
RT: 1.39 min Scan# 15

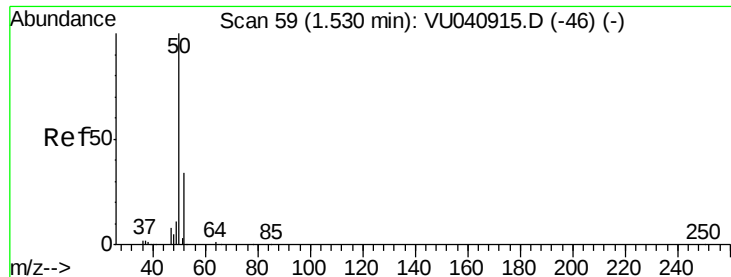
Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Tgt Ion:	85	Resp:	552013
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.5	49.5





#3

Chloromethane

Concen: 26.526 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

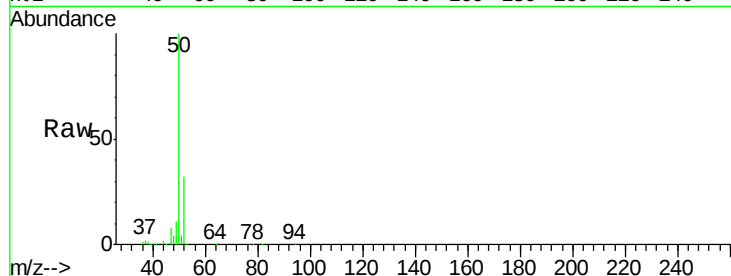
Tot Ion: 50 Resp: 568472

Ion Ratio Lower Upper

50 100

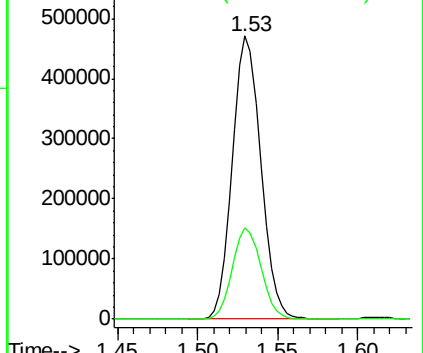
52 32.1 26.9 40.3

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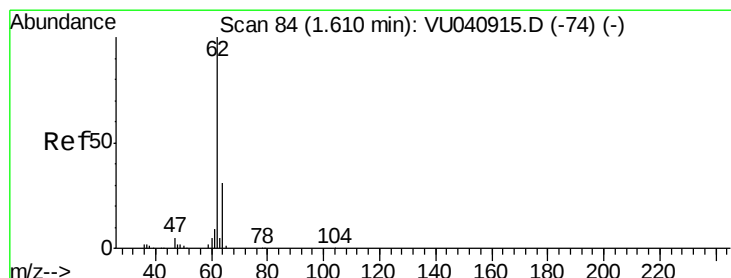
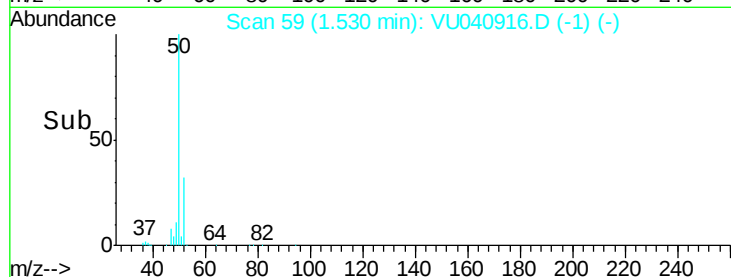
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#4

Vinyl Chloride

Concen: 26.385 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040916.D

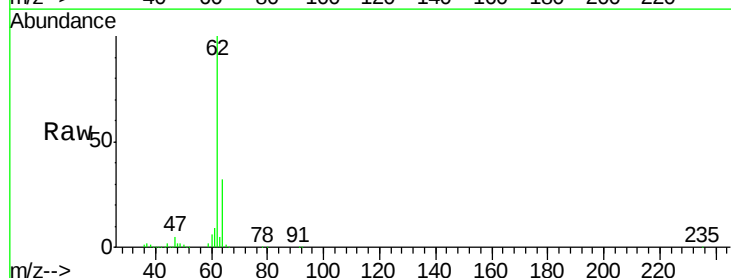
Acq: 22 Oct 2020 20:59

Tgt Ion: 62 Resp: 553618

Ion Ratio Lower Upper

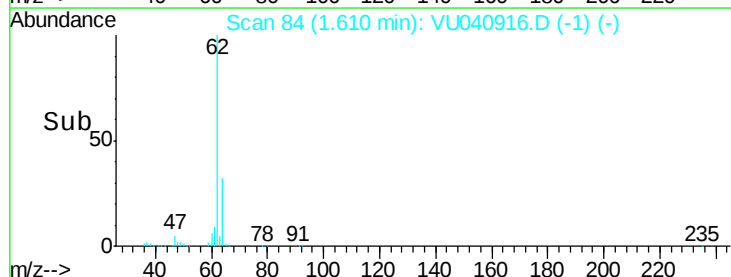
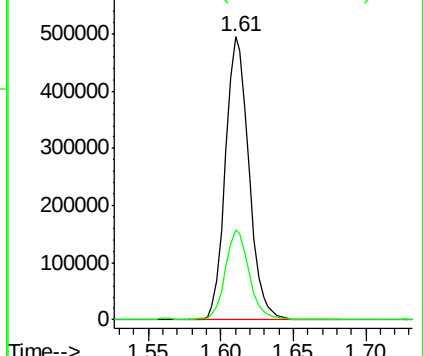
62 100

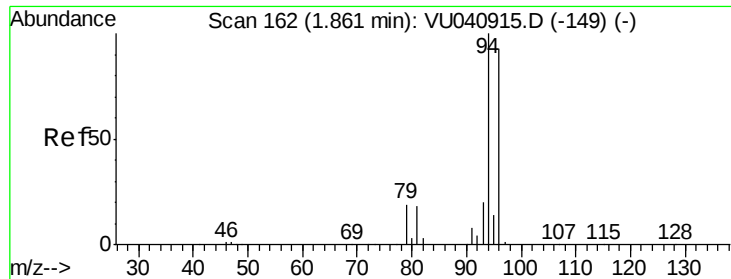
64 31.5 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 19.314 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

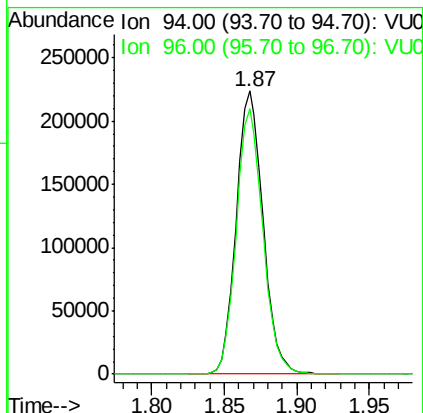
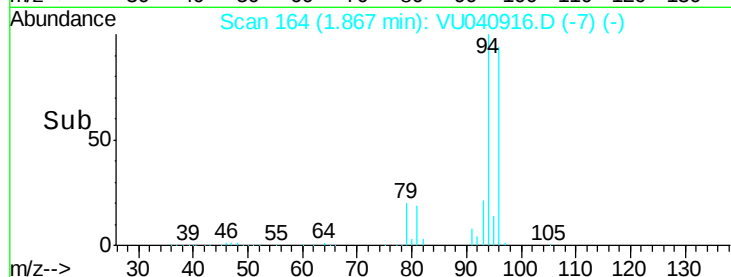
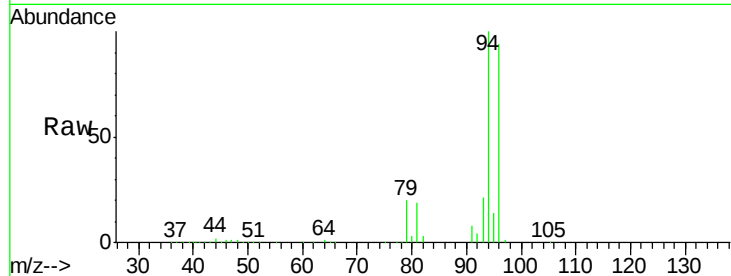
Tot Ion: 94 Resp: 286815

Ion Ratio Lower Upper

94 100

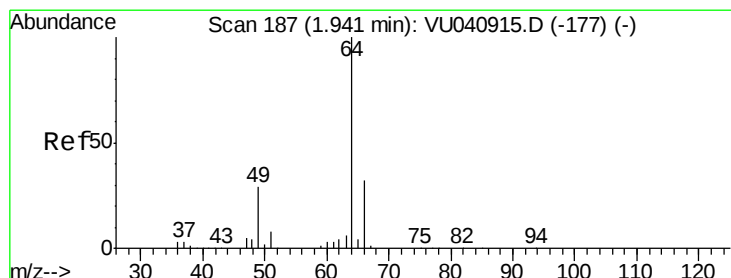
96 93.6 74.4 111.6

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#6

Chloroethane

Concen: 22.833 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040916.D

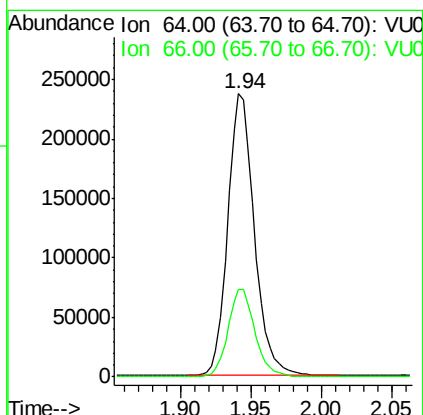
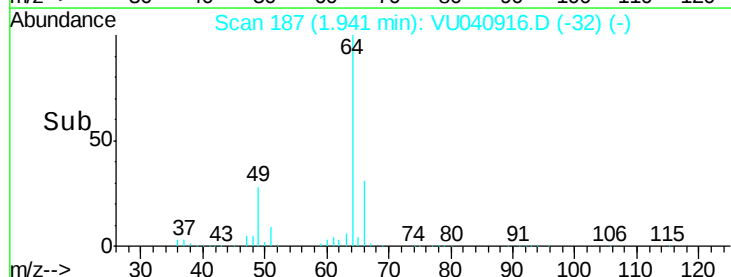
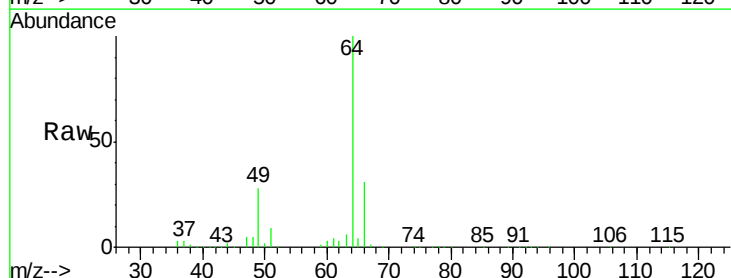
Acq: 22 Oct 2020 20:59

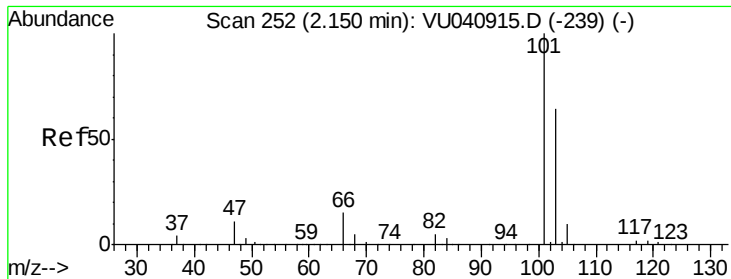
Tgt Ion: 64 Resp: 310161

Ion Ratio Lower Upper

64 100

66 31.3 25.4 38.2





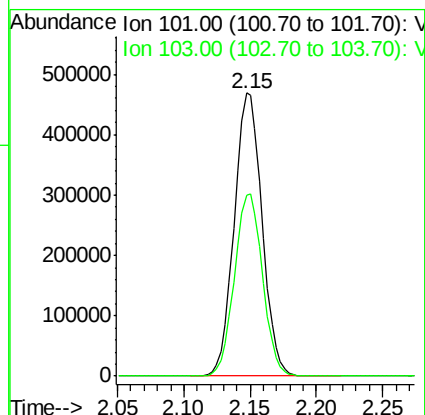
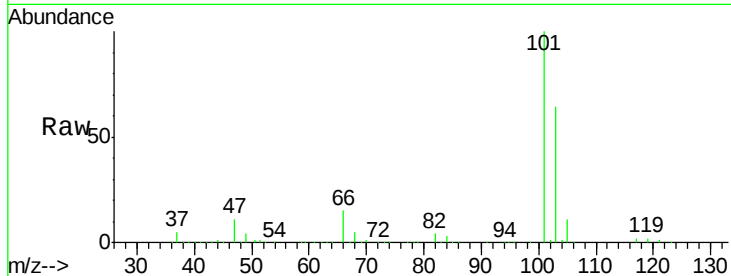
#7

Trichlorofluoromethane
Concen: 22.628 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

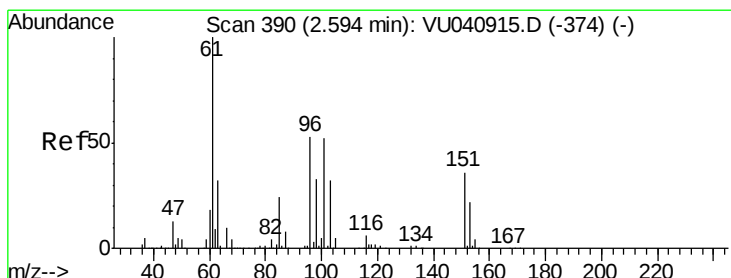
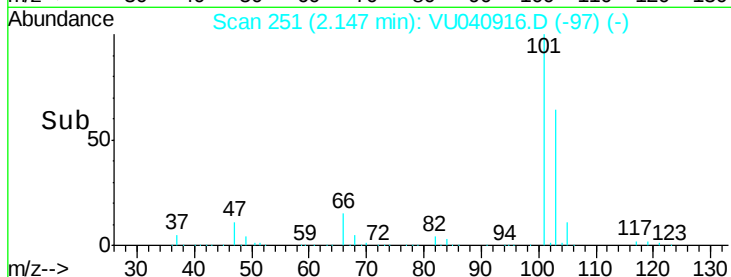
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		683642		
103	64.2	51.5	77.3		

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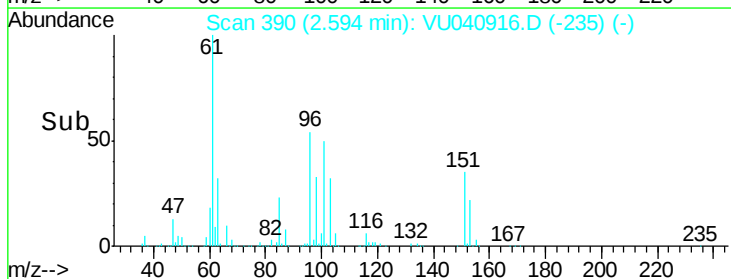
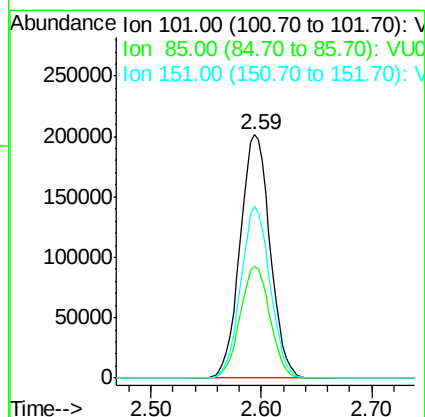
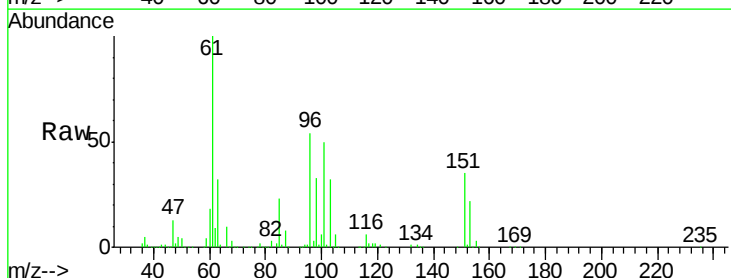
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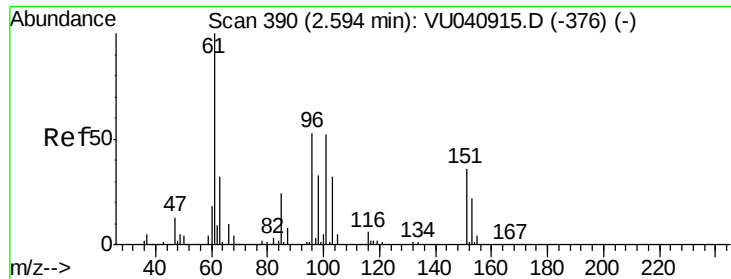


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.850 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		378385		
85	45.6	36.2	54.2		
151	69.1	55.1	82.7		





#9

1,1-Dichloroethene

Concen: 23.185 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

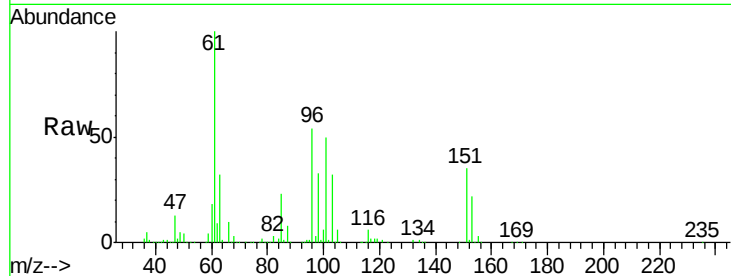
MSVOA_U

ClientSampled :

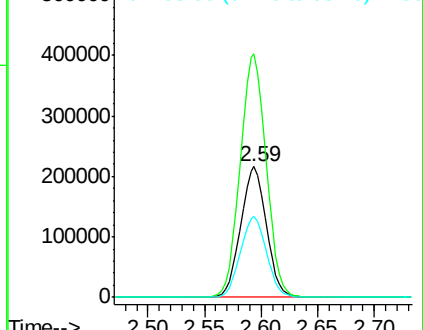
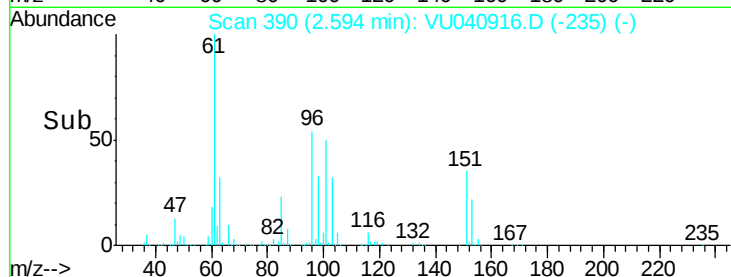
VSTDIC020

Tot Ion:	96	Resp:	342687
Ion Ratio	Lower	Upper	
96	100		
61	186.7	0.0	561.9
98	62.3	0.0	125.0

Manual Integrations
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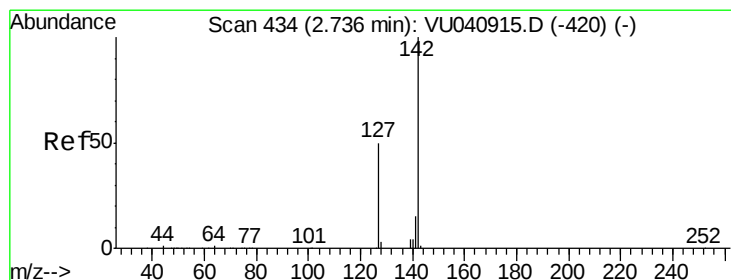


Abundance Ion 96.00 (95.70 to 96.70): VU040916.D (-235) (-)



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#10

Iodomethane

Concen: 36.891 ug/l

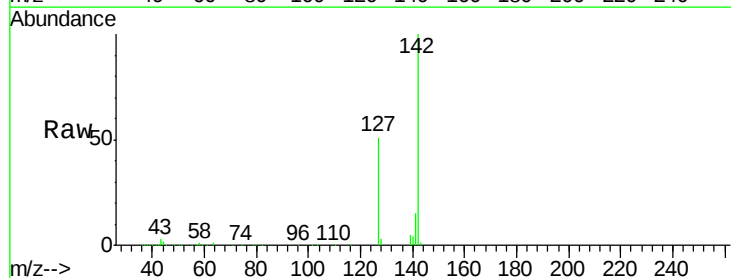
RT: 2.74 min Scan# 434

Delta R.T. -0.00 min

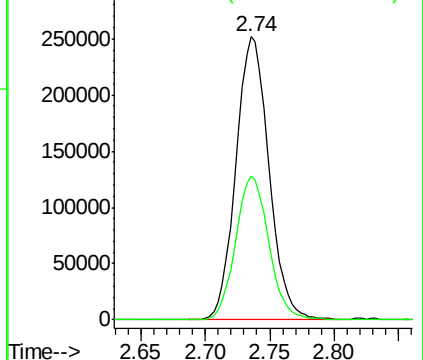
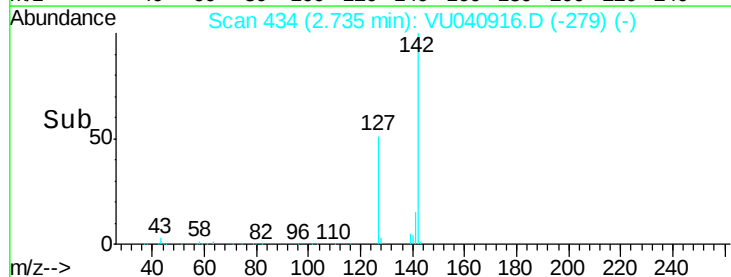
Lab File: VU040916.D

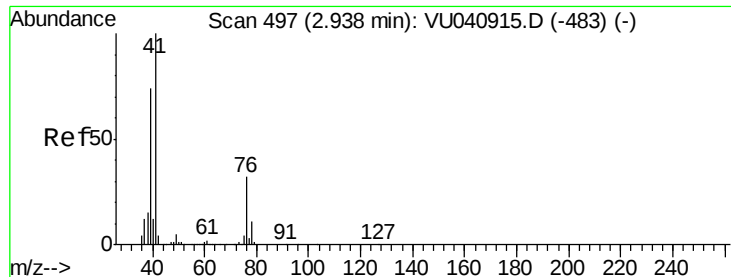
Acq: 22 Oct 2020 20:59

Tgt Ion:	142	Resp:	449908
Ion Ratio	Lower	Upper	
142	100		
127	51.1	40.6	60.8



Abundance Ion 142.00 (141.70 to 142.70): VU040916.D (-279) (-)



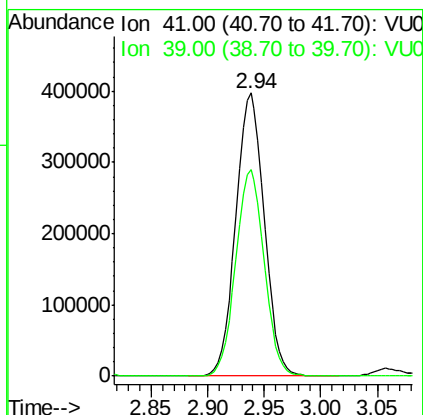
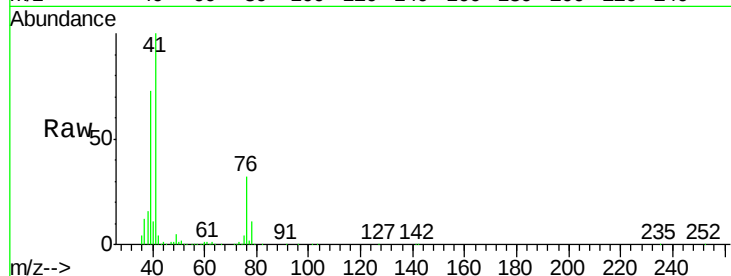


#11
Allvl Chloride
Concen: 23.751 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

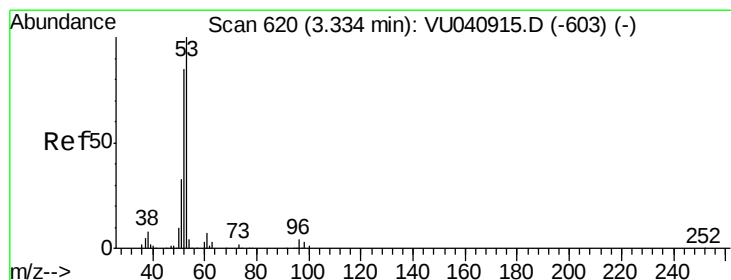
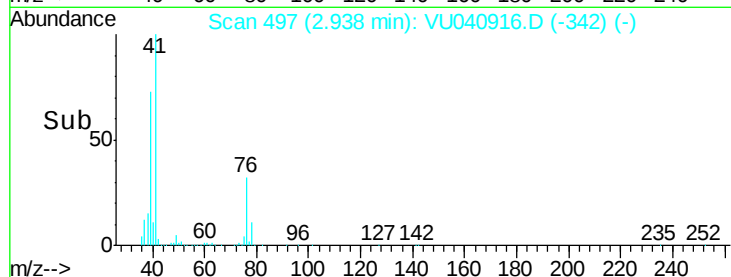
Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	59.0	88.4

Manual Integrations
APPROVED



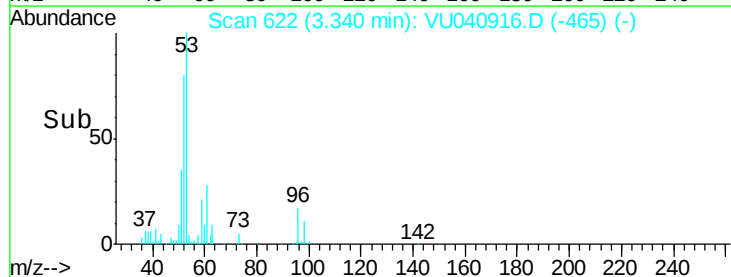
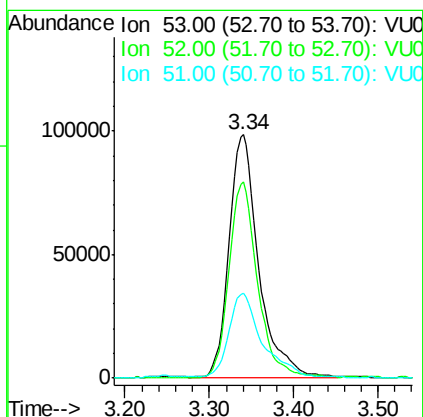
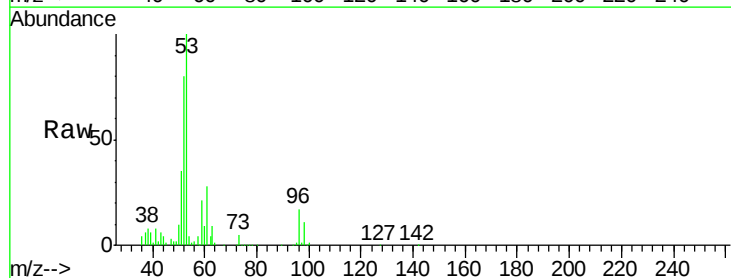
MMDadoda

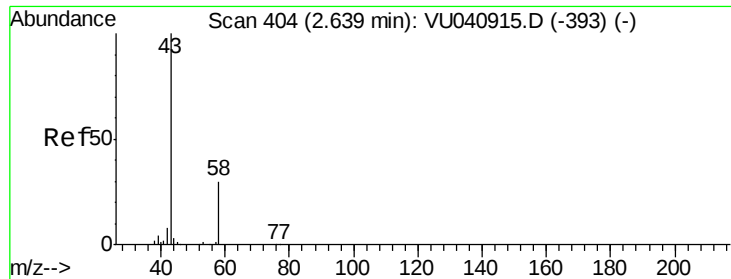
10/26/2020 4:15:05 PM



#12
Acrylonitrile
Concen: 46.252 ug/l
RT: 3.34 min Scan# 622
Delta R.T. 0.01 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
53	100		
52	78.5	63.1	94.7
51	38.1	30.6	46.0



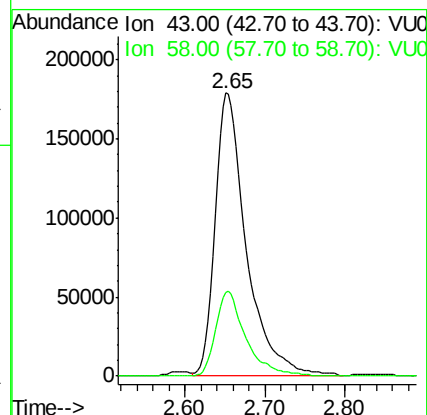
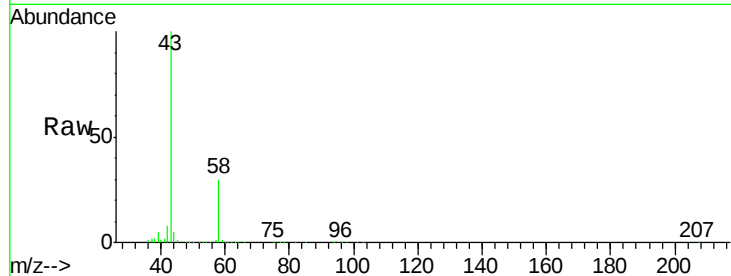


#13
Acetone
Concen: 105.498 ug/l
RT: 2.65 min Scan# 408
Delta R.T. 0.01 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

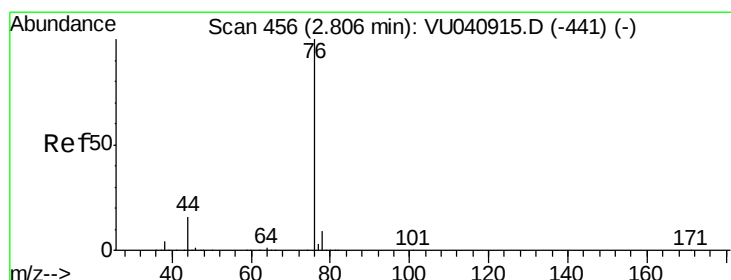
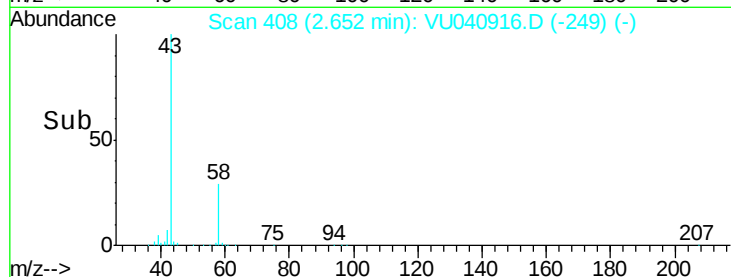
Tot Ion: 43 Resp: 484493
Ion Ratio Lower Upper
43 100
58 29.4 23.6 35.4

Manual Integrations
APPROVED



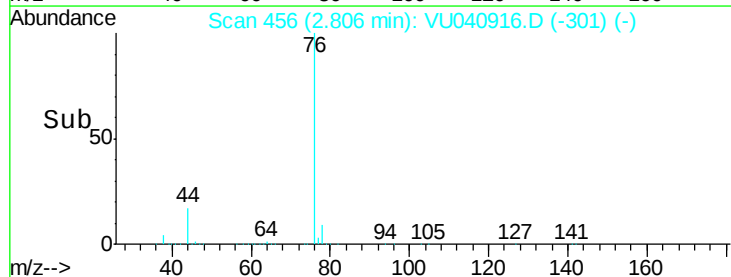
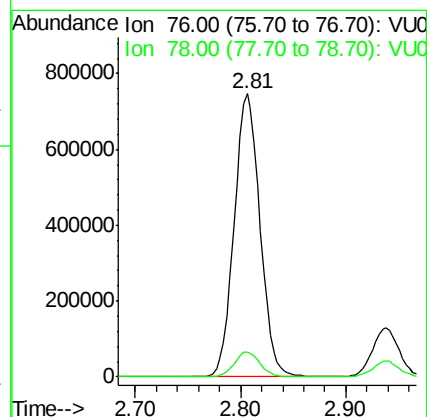
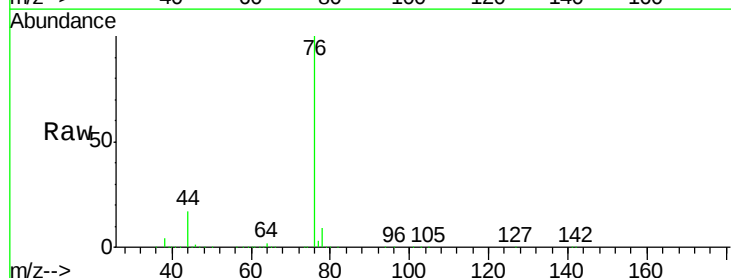
MMDadoda

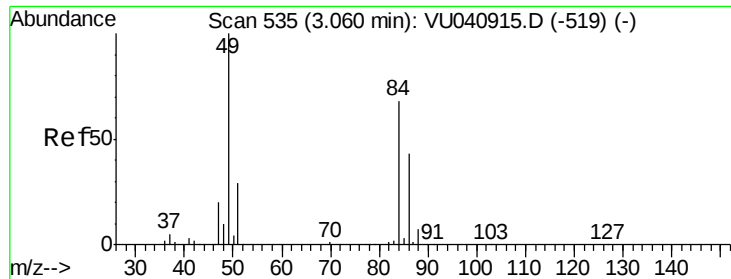
10/26/2020 4:15:05 PM



#14
Carbon Disulfide
Concen: 28.753 ug/l
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 76 Resp: 1262298
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



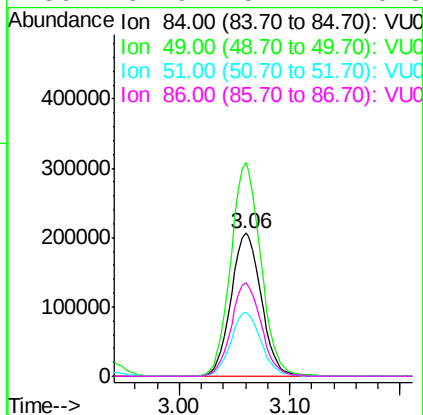
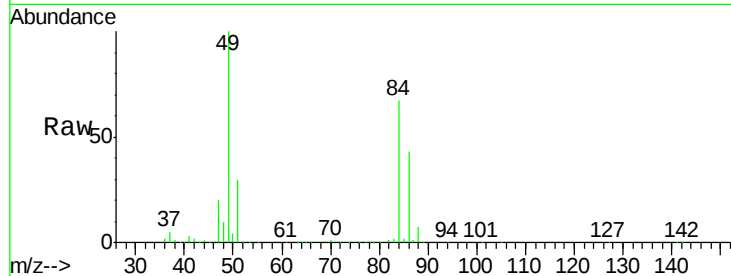


#15
Methvlene Chloride
Concen: 17.690 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

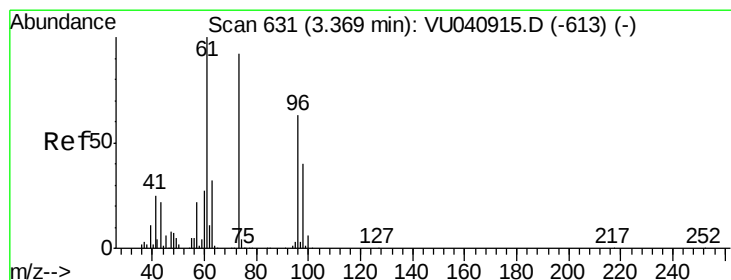
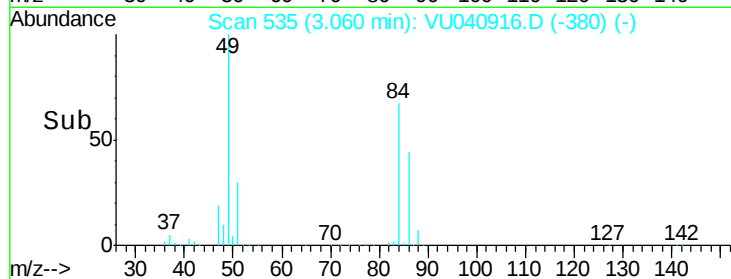
Tot Ion:	84	Resp:	392585
Ion	Ratio	Lower	Upper
84	100		
49	149.1	118.2	177.4
51	45.1	0.0	86.8
86	64.9	51.2	76.8

Manual Integrations
APPROVED



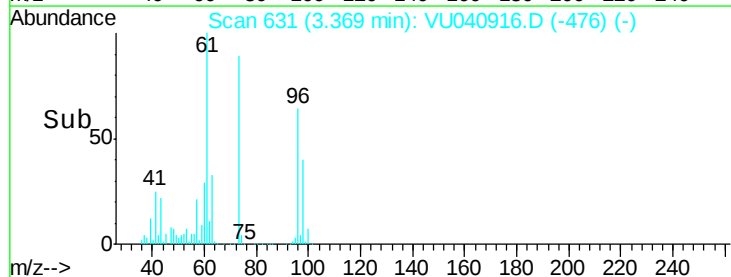
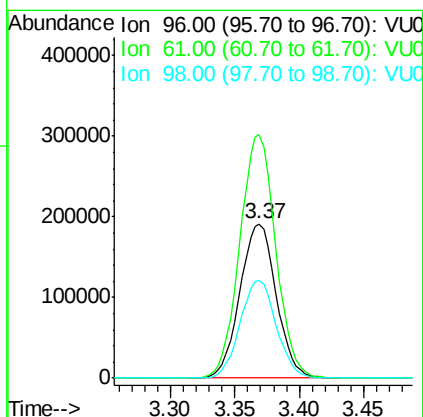
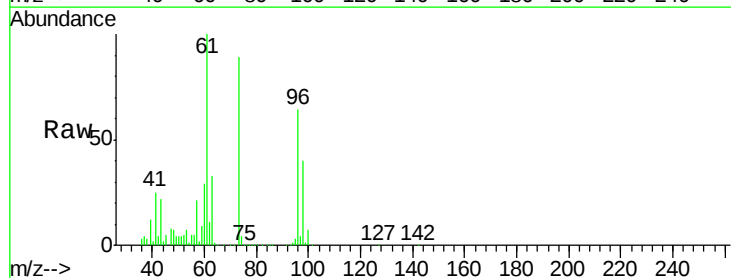
MMDadoda

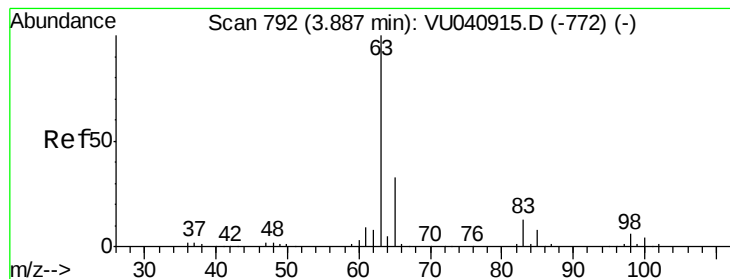
10/26/2020 4:15:05 PM



#16
trans-1,2-Dichloroethene
Concen: 23.345 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion:	96	Resp:	375565
Ion	Ratio	Lower	Upper
96	100		
61	157.3	127.0	190.4
98	63.4	51.2	76.8





#17

1,1-Dichloroethane

Concen: 21.711 ug/l

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

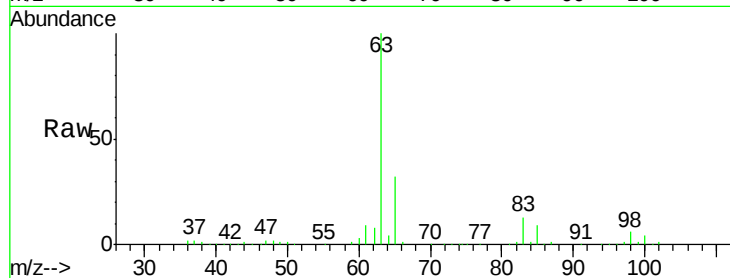
MSVOA_U

ClientSampleId :

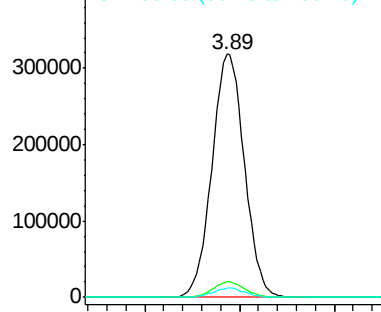
VSTDIC020

Tot Ion:	63	Resp:	757022
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.0	9.2
100	3.7	1.8	5.5

Manual Integrations
APPROVED

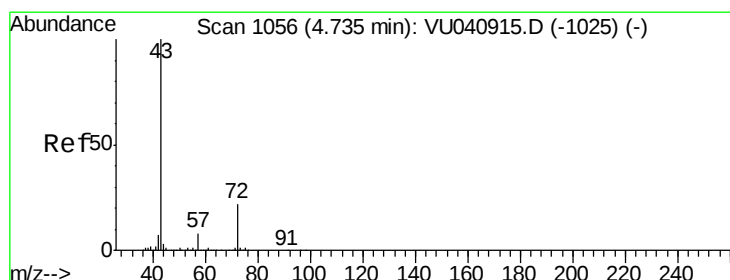
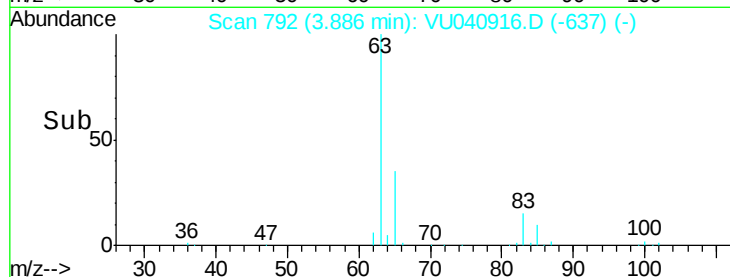


Abundance Ion 63.00 (62.70 to 63.70): VU040916.D (-637) (-)



MMDadoda

10/26/2020 4:15:05 PM



#18

2-Butanone

Concen: 114.419 ug/l

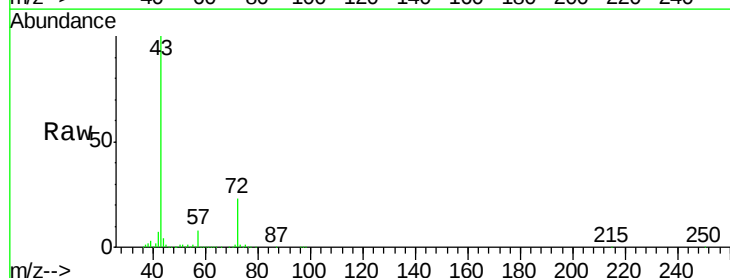
RT: 4.74 min Scan# 1059

Delta R.T. 0.01 min

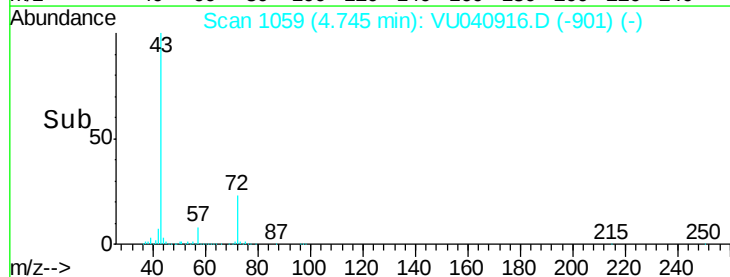
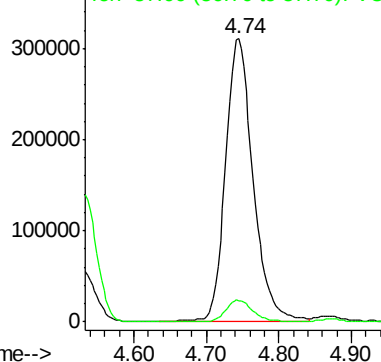
Lab File: VU040916.D

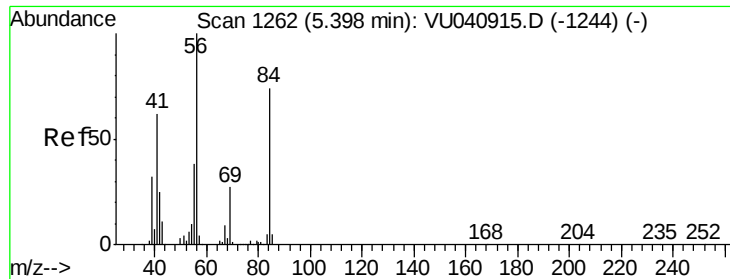
Acq: 22 Oct 2020 20:59

Tgt Ion:	43	Resp:	822003
Ion Ratio	Lower	Upper	
43	100		
57	7.5	0.0	15.2



Abundance Ion 43.00 (42.70 to 43.70): VU040916.D (-901) (-)



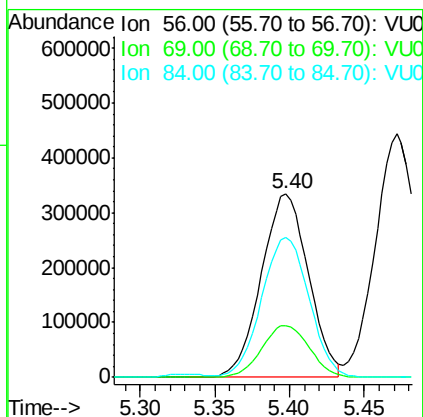
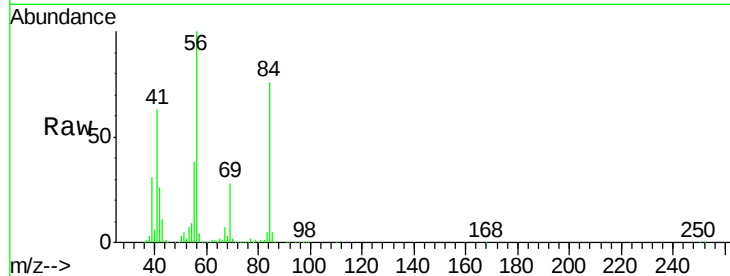


#19
Cyclohexane
Concen: 24.632 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

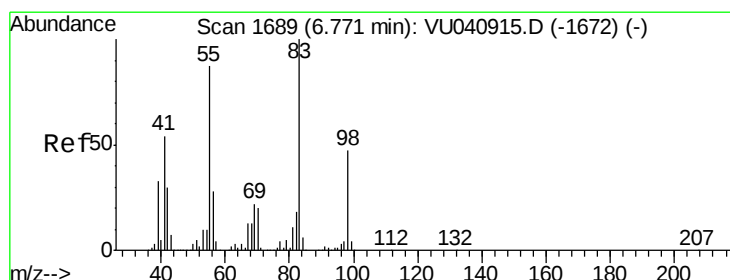
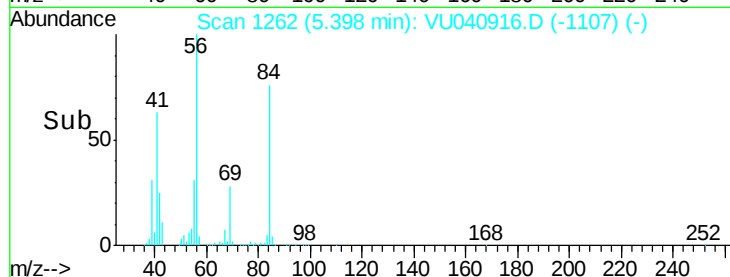
Tot Ion:	56	Resp:	735031
Ion Ratio	Lower	Upper	
56	100		
69	28.5	22.2	33.2
84	75.2	60.1	90.1

Manual Integrations
APPROVED



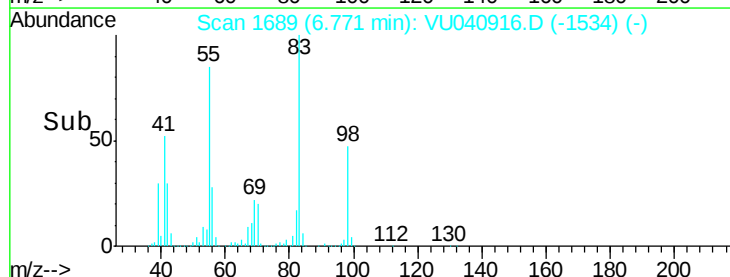
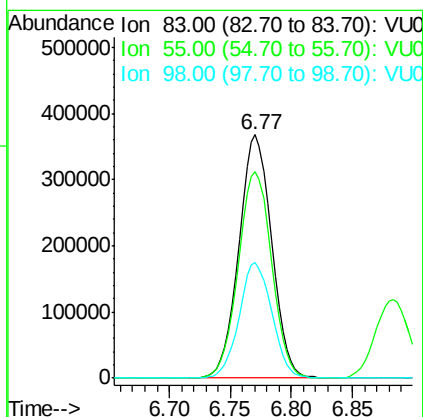
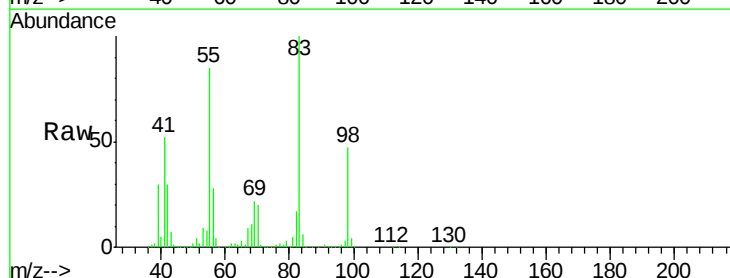
MMDadoda

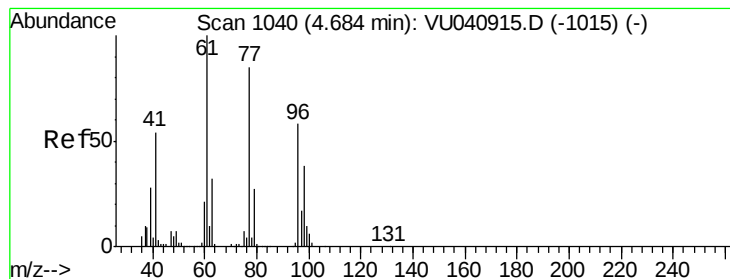
10/26/2020 4:15:05 PM



#20
Methylcyclohexane
Concen: 25.541 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion:	83	Resp:	681828
Ion Ratio	Lower	Upper	
83	100		
55	86.5	71.0	106.4
98	47.3	38.1	57.1





#21

2,2-Dichloropropane

Concen: 18.905 ug/l

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

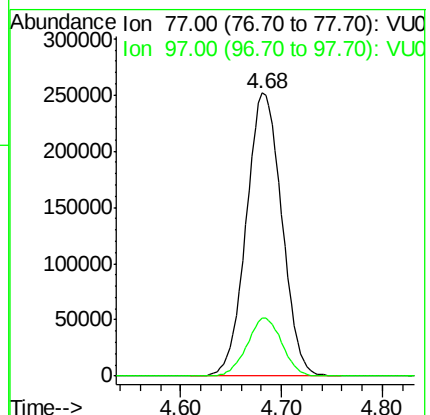
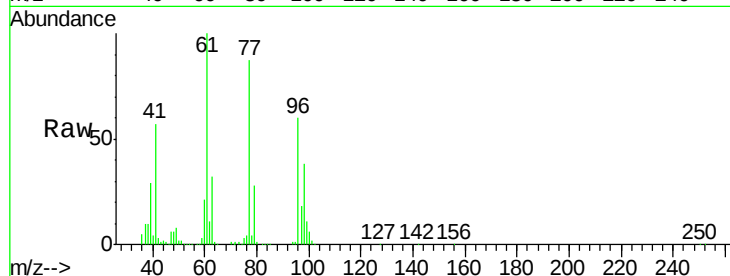
Tot Ion: 77 Resp: 611871

Ion Ratio Lower Upper

77 100

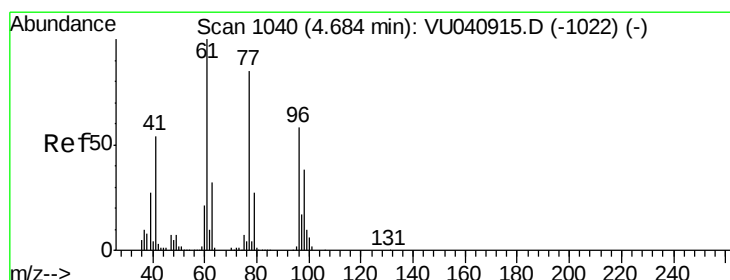
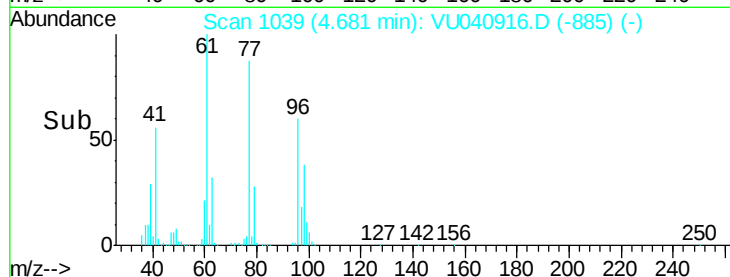
97 20.2 16.0 24.0

Manual Integrations
APPROVED



MMDadoda

10/26/2020 4:15:05 PM



#22

cis-1,2-Dichloroethene

Concen: 21.305 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

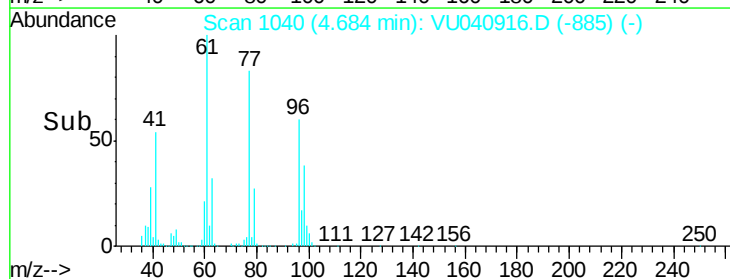
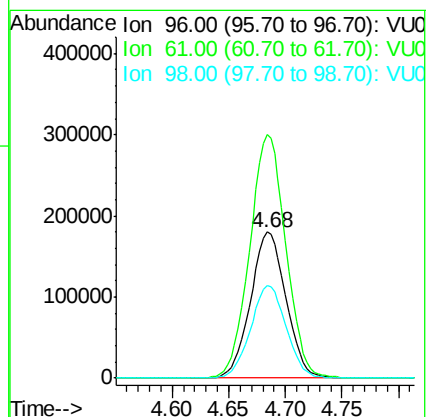
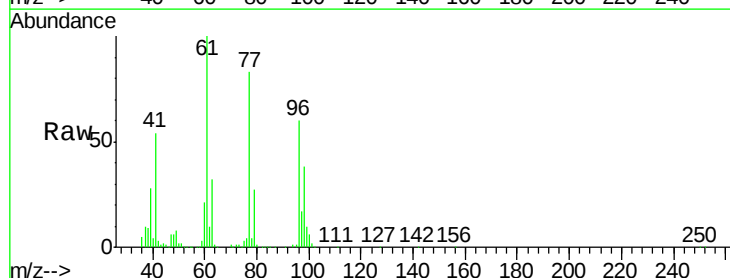
Tgt Ion: 96 Resp: 391142

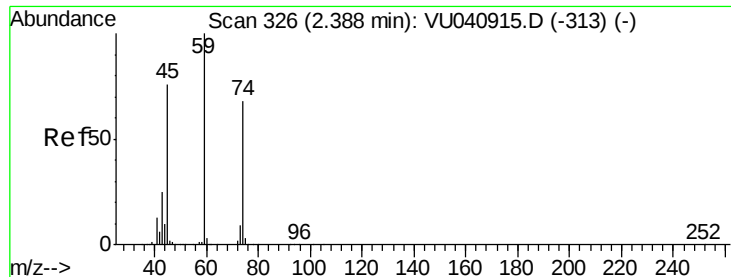
Ion Ratio Lower Upper

96 100

61 169.6 0.0 434.5

98 64.0 32.6 97.8



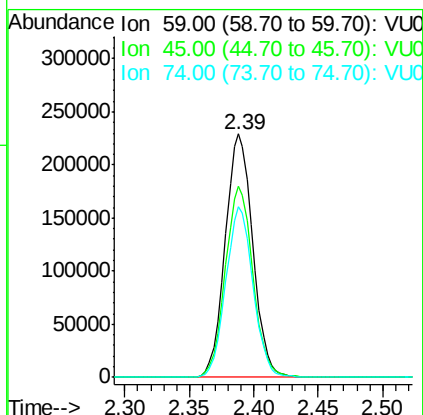
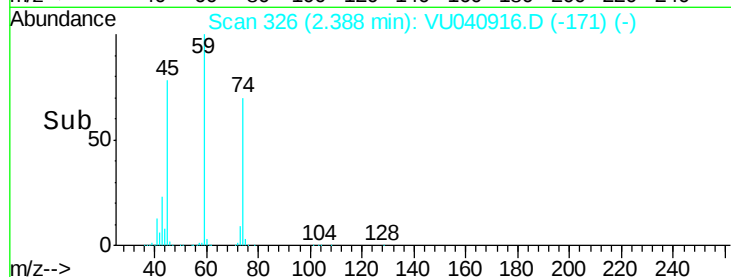
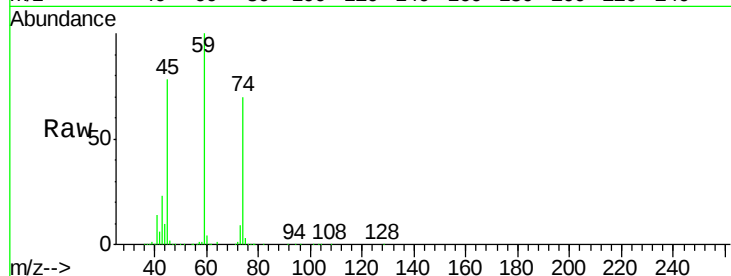


#23
Diethyl Ether
Concen: 24.000 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

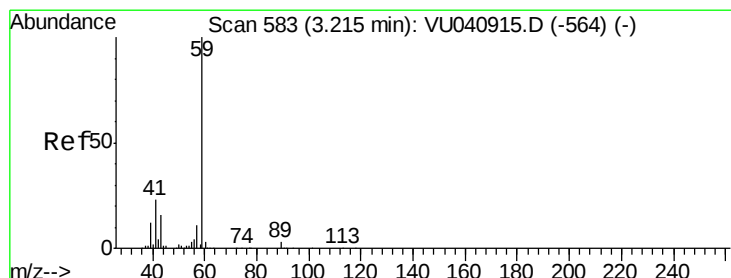
Tot Ion	Ion	Ratio	Lower	Upper
59	100			
45	78.2	61.4	92.2	
74	69.3	55.0	82.4	

Manual Integrations
APPROVED



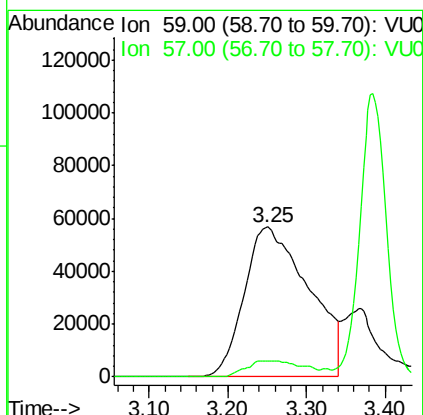
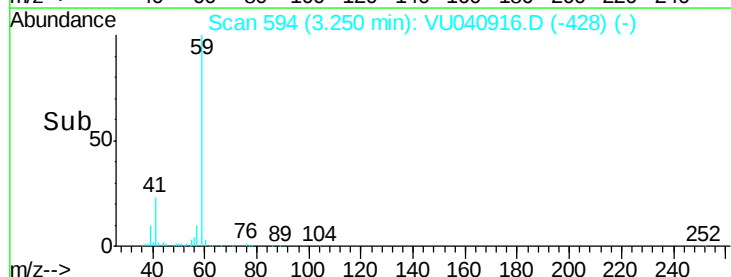
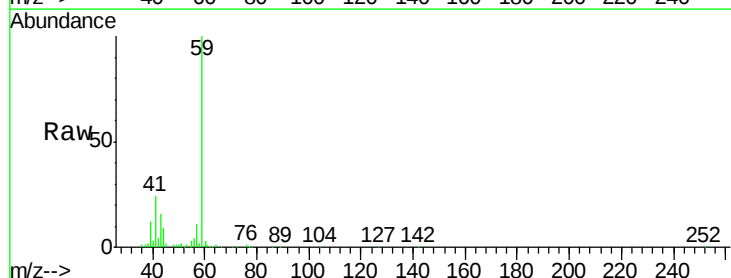
MMDadoda

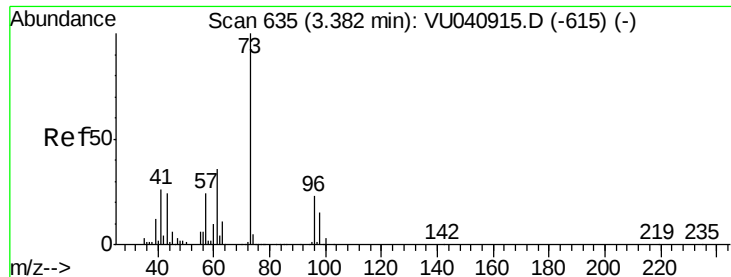
10/26/2020 4:15:05 PM



#24
tert-Butyl Alcohol
Concen: 174.367 ug/l
RT: 3.25 min Scan# 594
Delta R.T. 0.04 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
59	100			
57	4.5	8.4	12.6	#





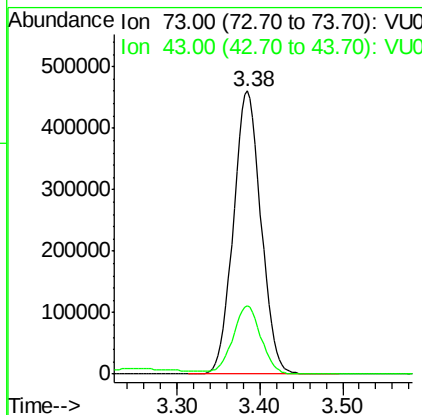
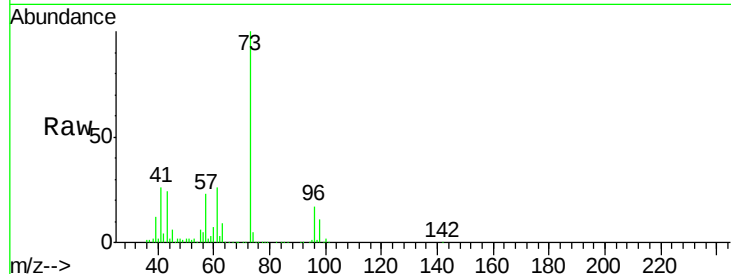
#25

Methyl tert-Butyl Ether
 Concen: 21.974 ug/l
 RT: 3.38 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

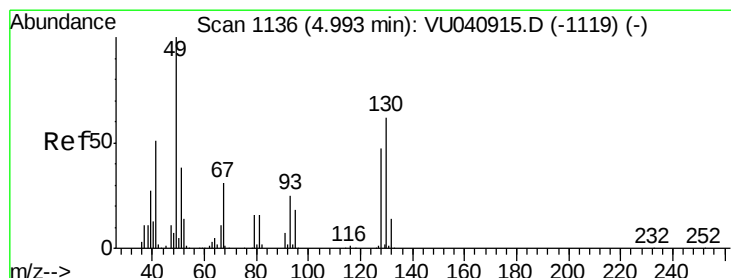
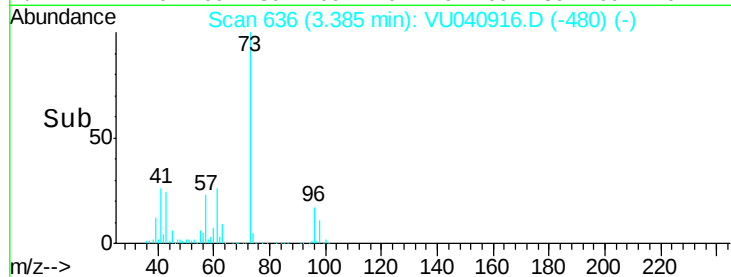
Tot Ion: 73 Resp: 1066346
 Ion Ratio Lower Upper
 73 100
 43 24.7 19.0 28.6

Manual Integrations
 APPROVED



MMDadoda

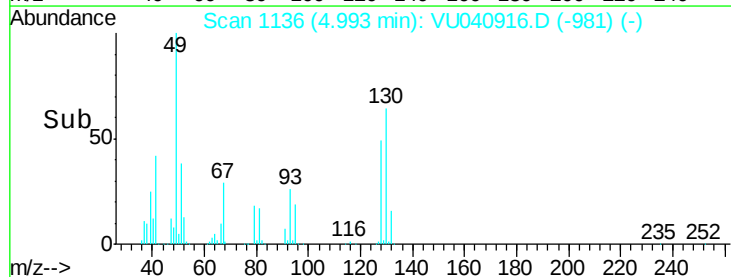
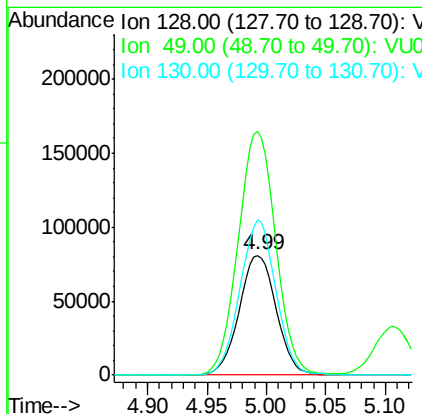
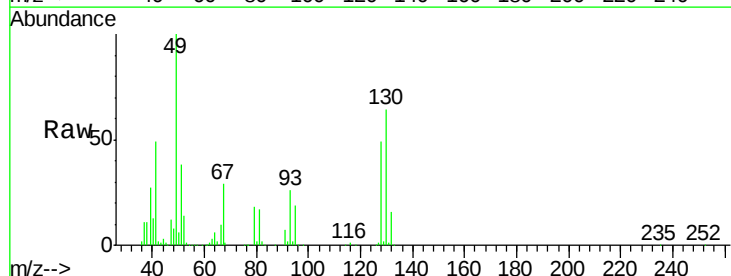
10/26/2020 4:15:05 PM

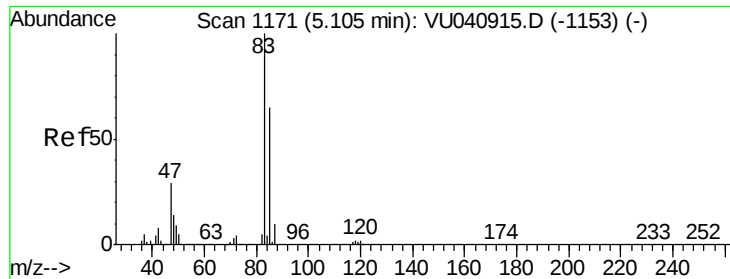


#26

Bromochloromethane
 Concen: 21.711 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 128 Resp: 174386
 Ion Ratio Lower Upper
 128 100
 49 206.4 0.0 426.4
 130 126.1 106.2 159.4



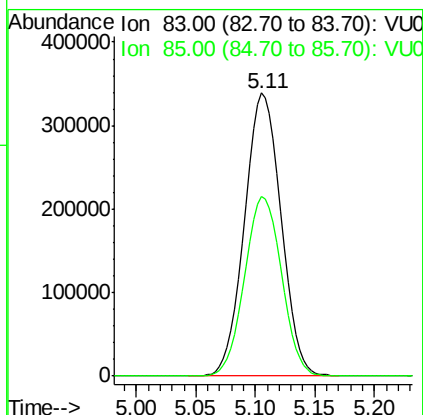
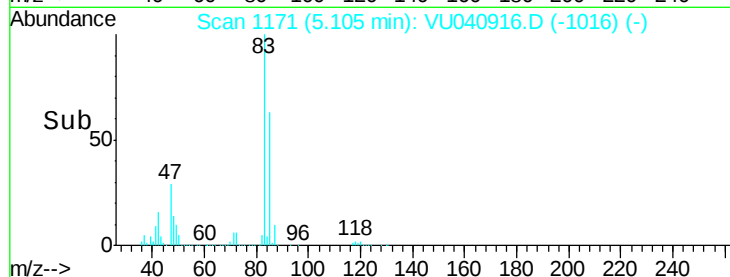
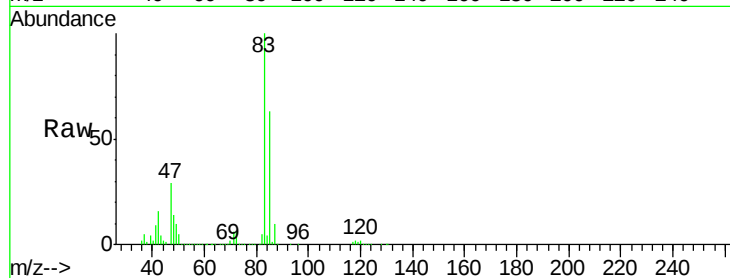


#27
Chloroform
Concen: 20.741 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

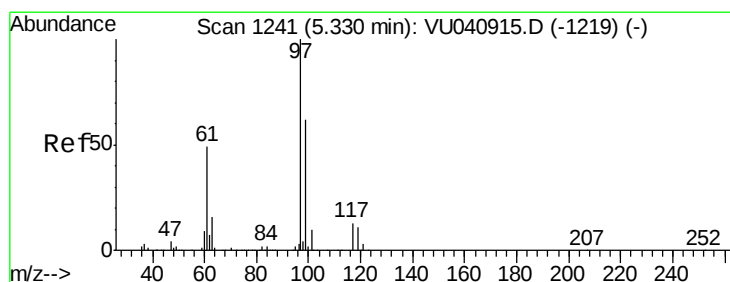
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	0.0	129.0

Manual Integrations
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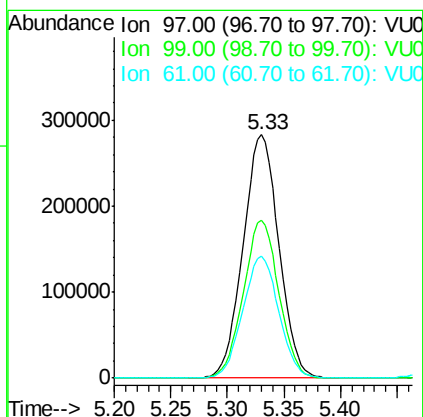
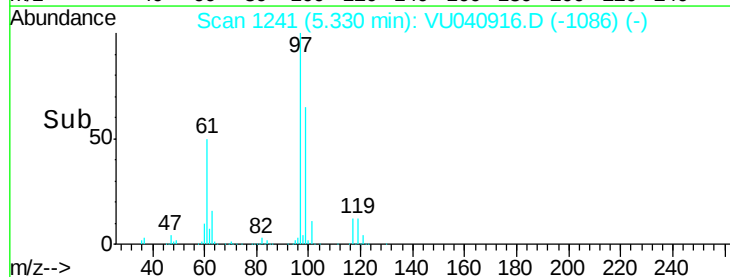
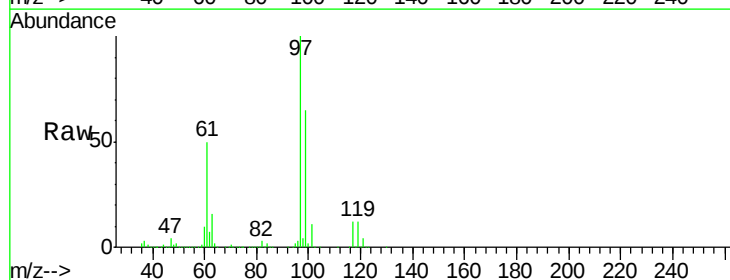
MMDadoda

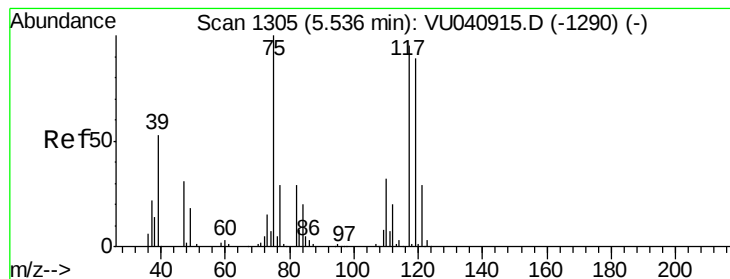
10/26/2020 4:15:05 PM



#28
1,1,1-Trichloroethane
Concen: 20.604 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	31.4	94.3
61	50.1	24.7	74.1





#29

1,1-Dichloropropene

Concen: 22.198 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

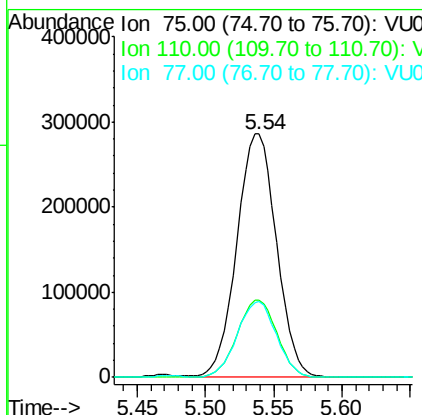
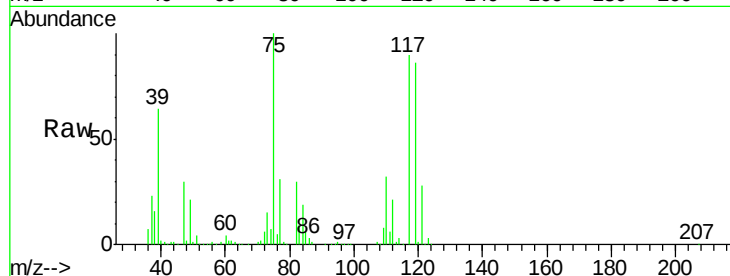
MSVOA_U

ClientSampleId :

VSTDIC020

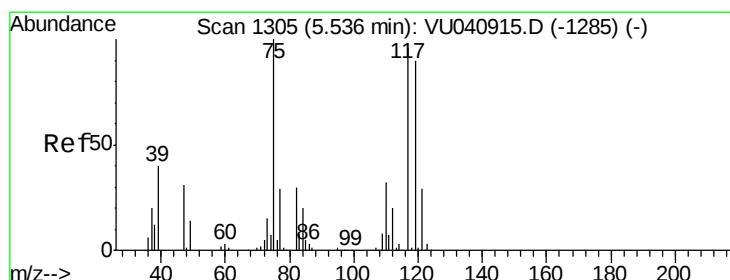
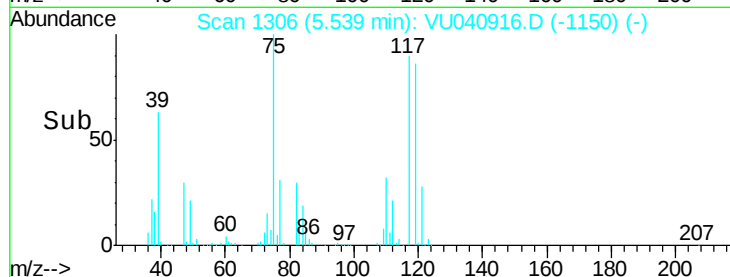
Tot Ion:	75	Resp:	576318
Ion Ratio	Lower	Upper	
75	100		
110	32.1	15.9	47.6
77	30.9	24.2	36.2

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 21.038 ug/l

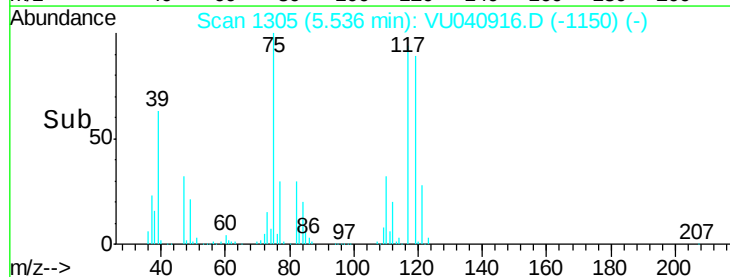
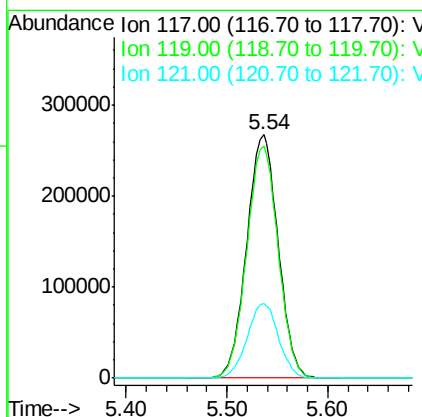
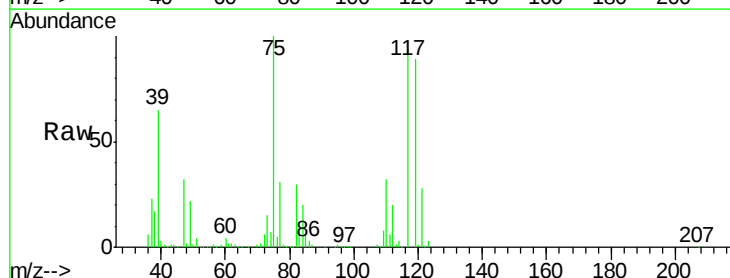
RT: 5.54 min Scan# 1305

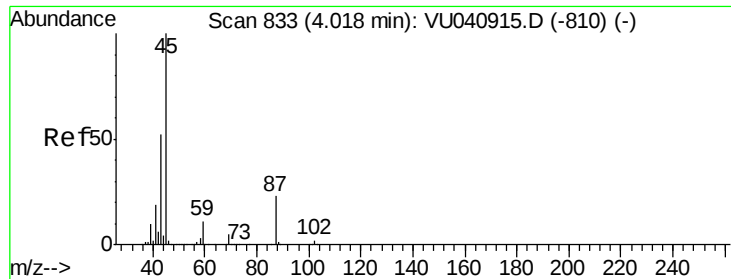
Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Tgt Ion:	117	Resp:	575208
Ion Ratio	Lower	Upper	
117	100		
119	95.2	74.9	112.3
121	30.4	24.1	36.1





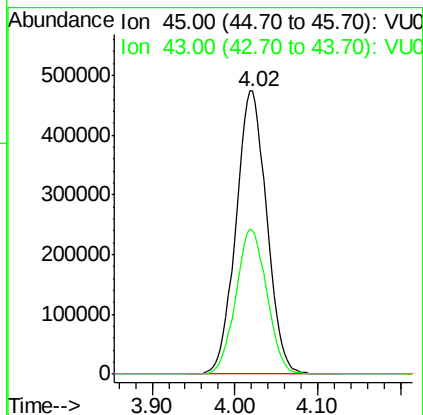
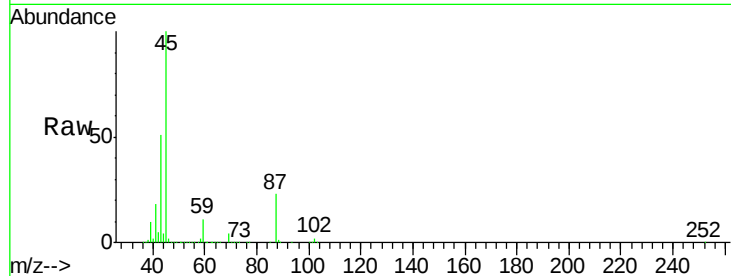
#31

Isopropyl Ether
 Concen: 20.778 ug/l
 RT: 4.02 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

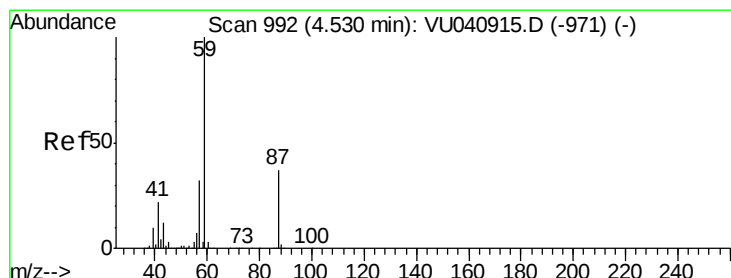
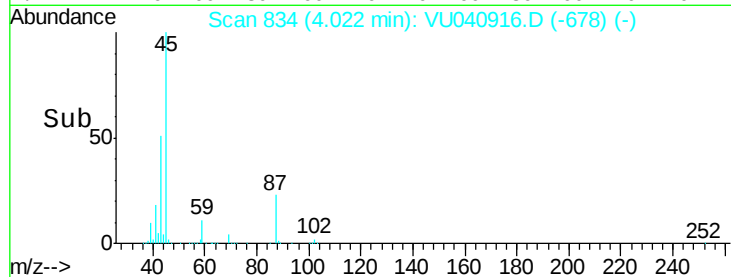
Tot Ion: 45 Resp: 1219381
 Ion Ratio Lower Upper
 45 100
 43 51.7 26.8 80.3

Manual Integrations
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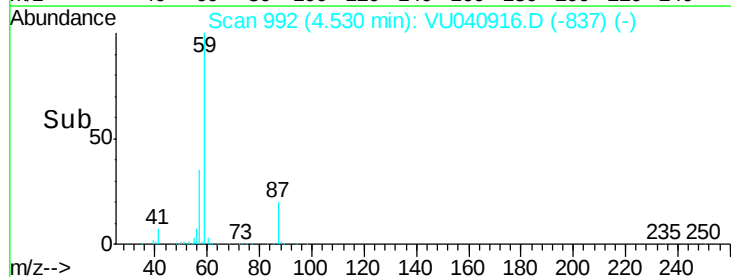
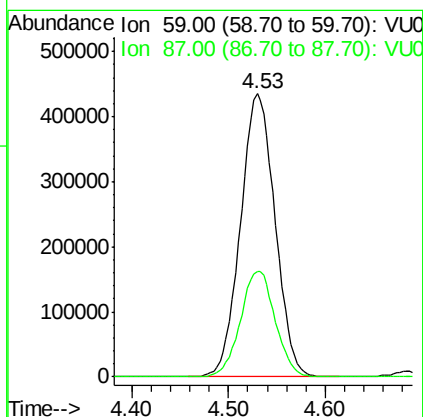
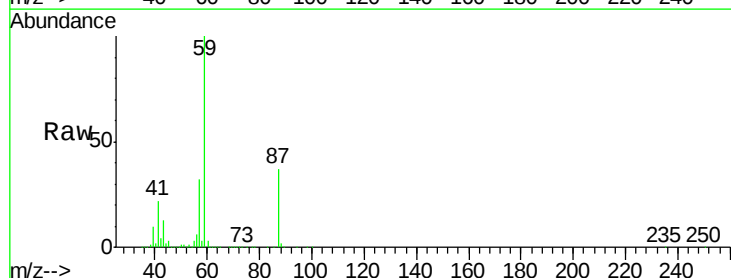
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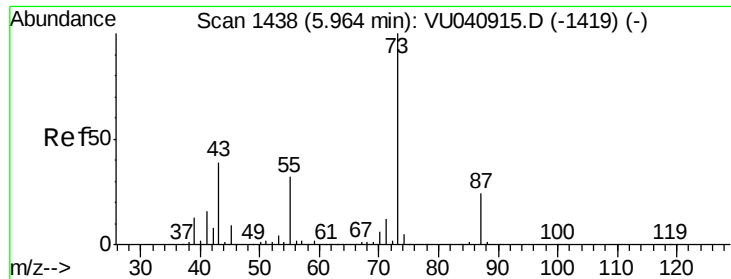


#32

Ethyl-t-butyl ether
 Concen: 20.395 ug/l
 RT: 4.53 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 59 Resp: 1077739
 Ion Ratio Lower Upper
 59 100
 87 37.6 30.6 46.0



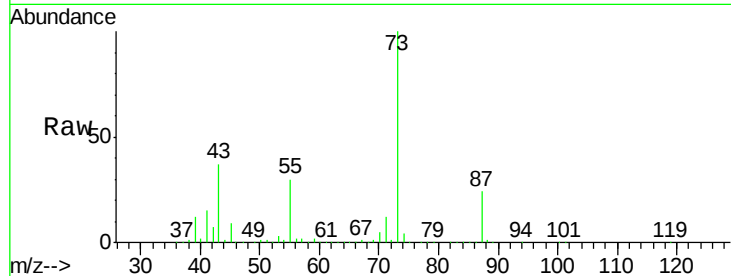


#33
Tert-Butyl methyl ether
Concen: 20.475 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

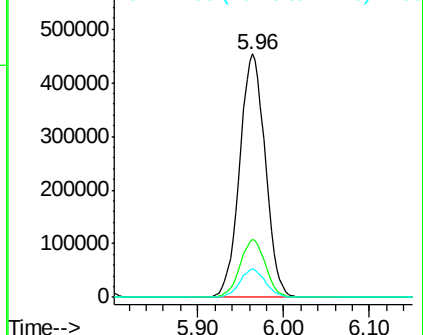
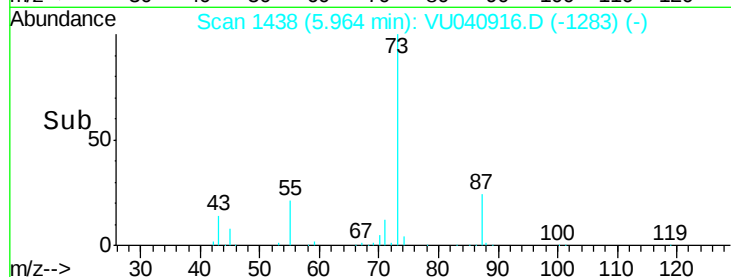
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.7	19.0	28.4
71	11.5	9.7	14.5

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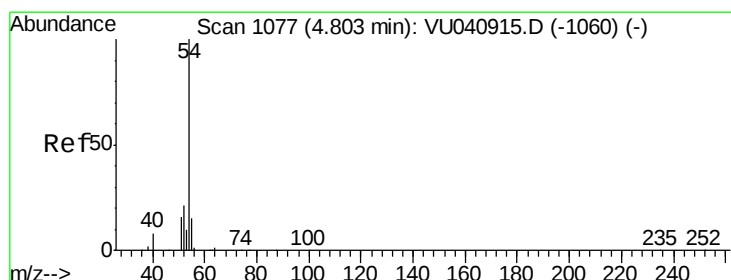
Abundance

Ion 73.00 (72.70 to 73.70): VU040916.D (-1283) (-)



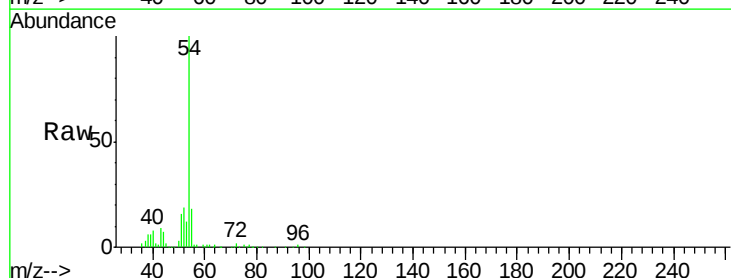
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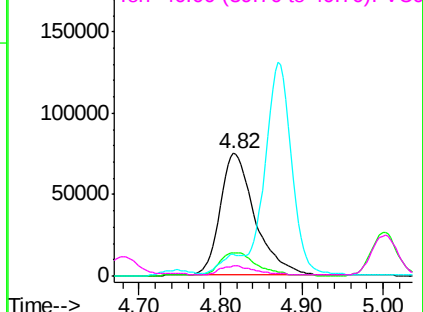
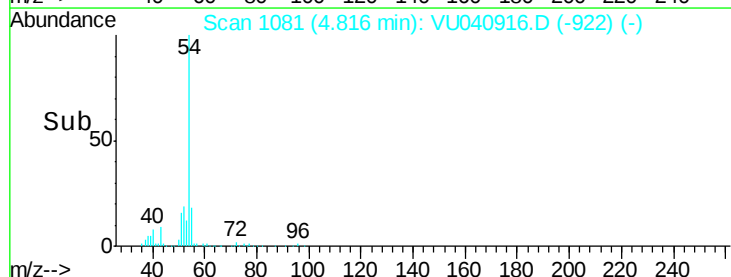
#34
Propionitrile
Concen: 123.670 ug/l
RT: 4.82 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

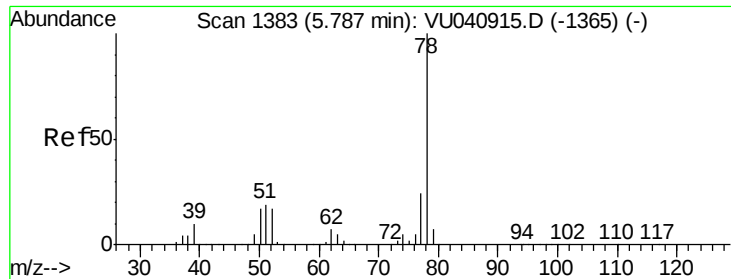
Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.6	15.5	23.3
55	9.4	12.5	18.7#
40	8.4	6.0	9.0



Abundance

Ion 54.00 (53.70 to 54.70): VU040916.D (-922) (-)





#35

Benzene

Concen: 22.450 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

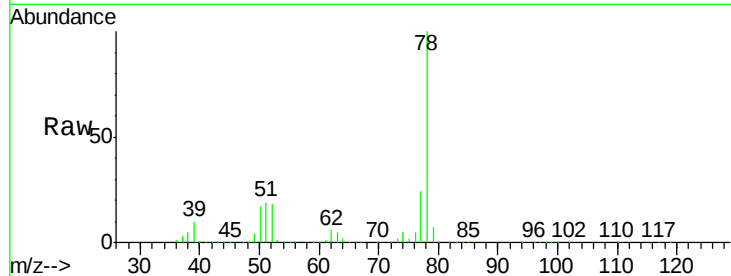
Tot Ion: 78 Resp: 1613010

Ion Ratio Lower Upper

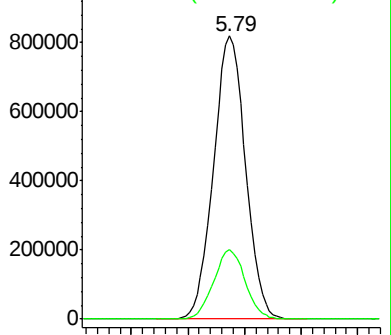
78 100

77 24.4 19.4 29.2

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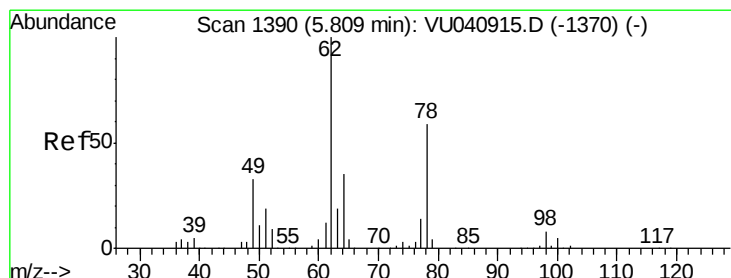
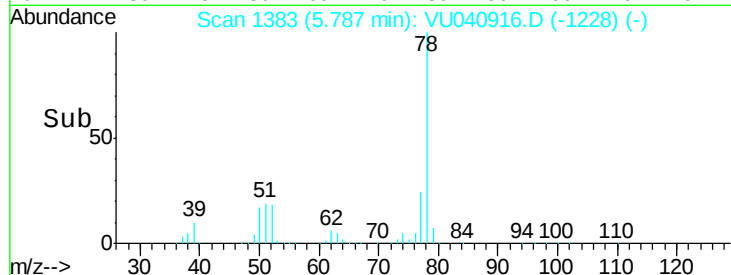


Abundance Ion 78.10 (77.80 to 78.80): VU040916.D (-1228) (-)



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#36

1,2-Dichloroethane

Concen: 20.805 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040916.D

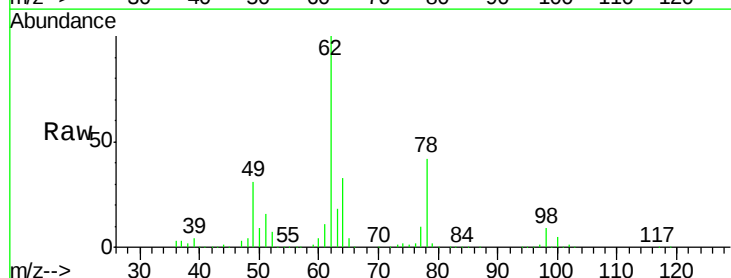
Acq: 22 Oct 2020 20:59

Tgt Ion: 62 Resp: 573577

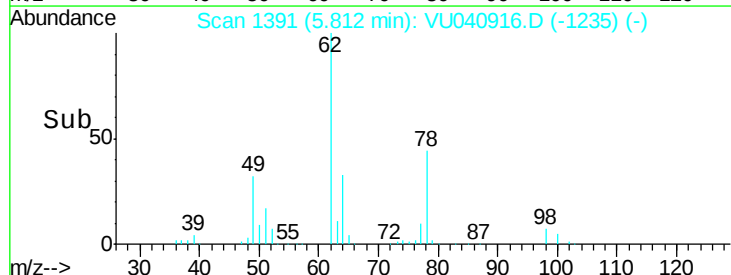
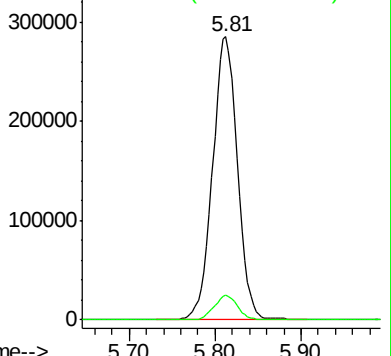
Ion Ratio Lower Upper

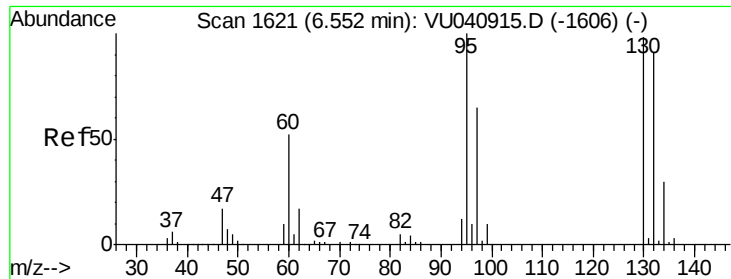
62 100

98 8.2 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU040916.D (-1235) (-)



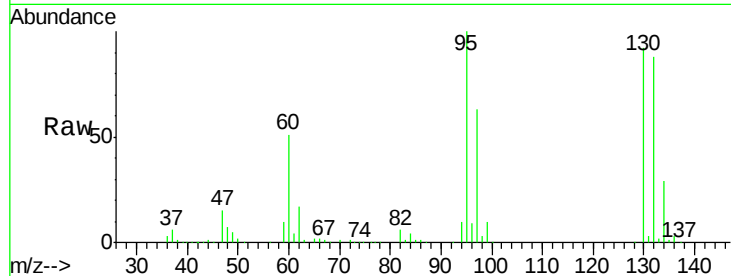


#37
 Trichloroethene
 Concen: 21.346 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

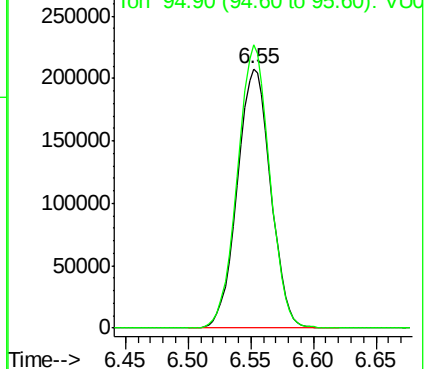
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:130 Resp: 384380
 Ion Ratio Lower Upper
 130 100
 95 109.2 81.9 122.9

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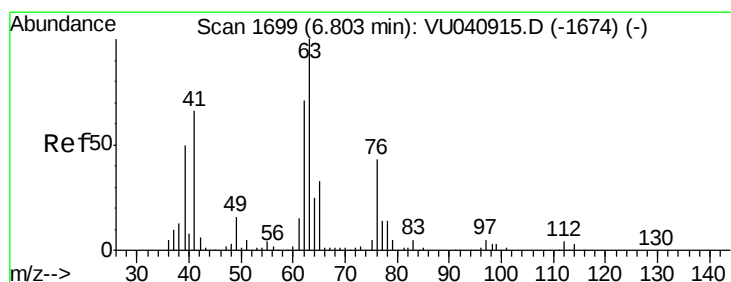
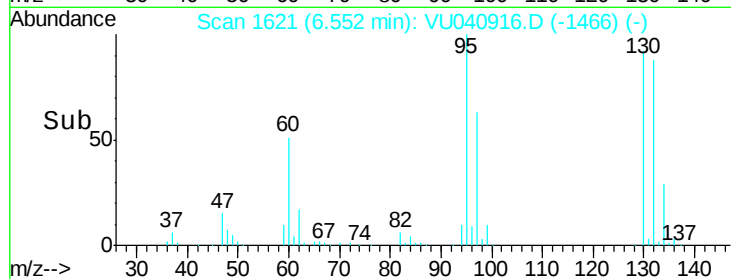


Abundance Ion 129.90 (129.60 to 130.60): VU040915.D (-1606) (-)
 Ion 94.90 (94.60 to 95.60): VU040915.D (-1606) (-)



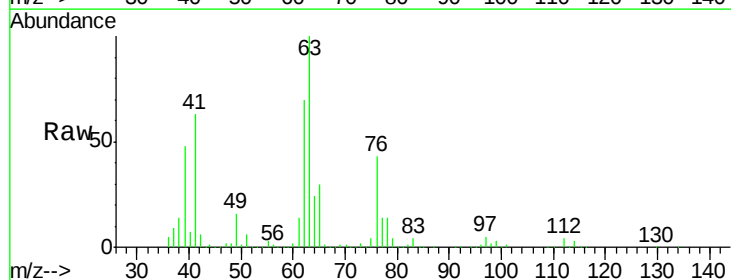
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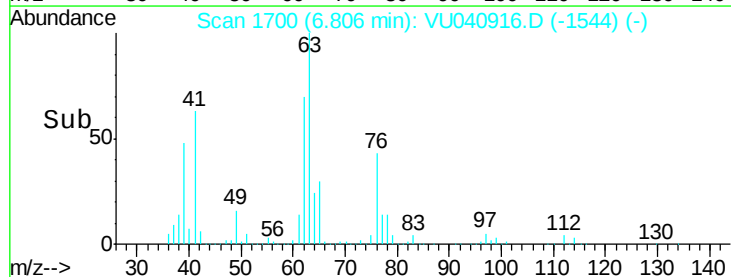
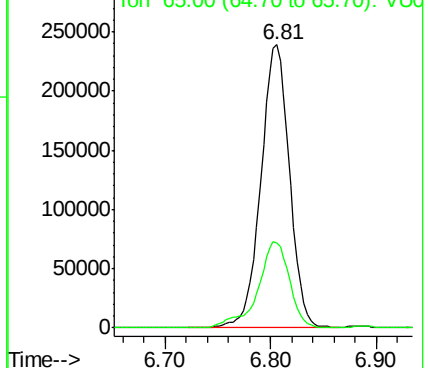


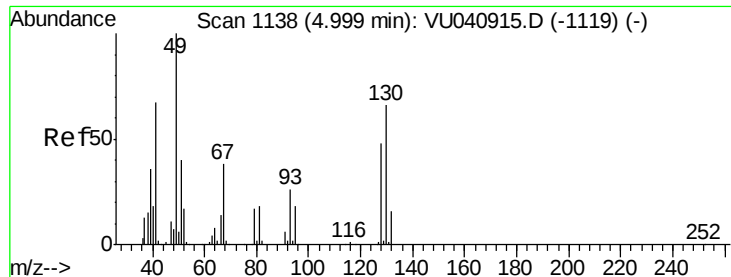
#38
 1,2-Dichloropropane
 Concen: 21.785 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 63 Resp: 452106
 Ion Ratio Lower Upper
 63 100
 65 30.2 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040915.D (-1674) (-)
 Ion 65.00 (64.70 to 65.70): VU040915.D (-1674) (-)



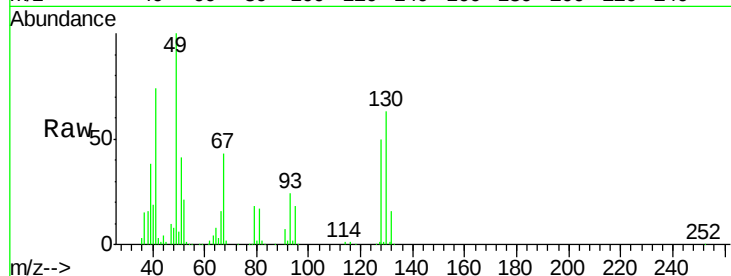


#39
Methacrylonitrile
Concen: 21.494 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

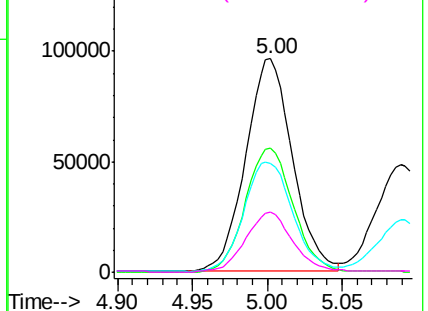
Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
67	59.9	48.7	73.1
39	54.0	44.6	67.0
52	28.6	23.3	34.9

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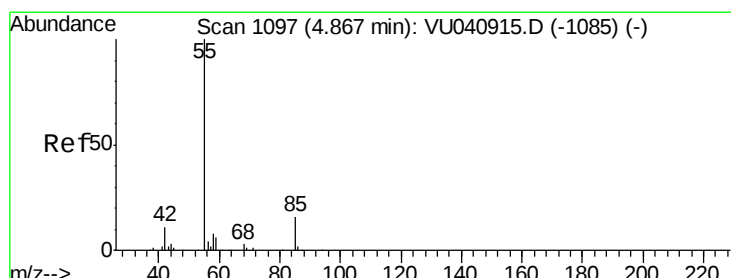
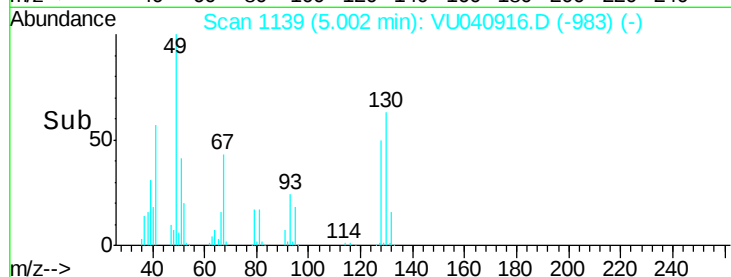


Abundance Ion 41.00 (40.70 to 41.70): VU040916.D (-1119) (-)
Ion 67.00 (66.70 to 67.70): VU040916.D (-1119) (-)
Ion 39.00 (38.70 to 39.70): VU040916.D (-1119) (-)
Ion 52.00 (51.70 to 52.70): VU040916.D (-1119) (-)



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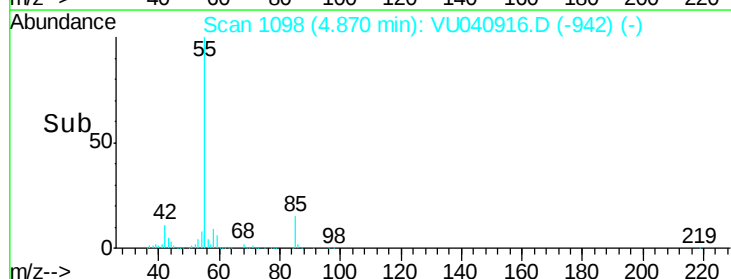
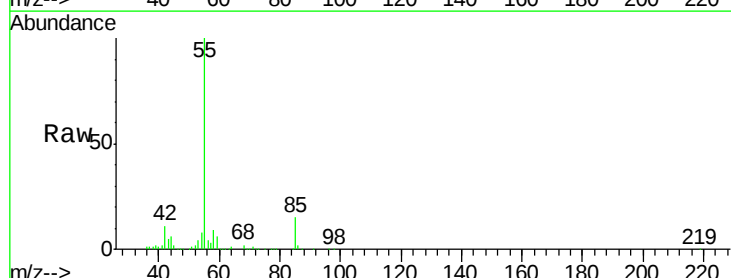
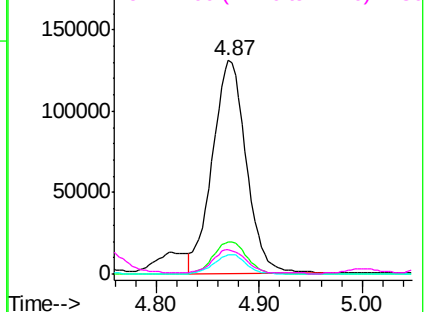
10/26/2020 4:15:05 PM

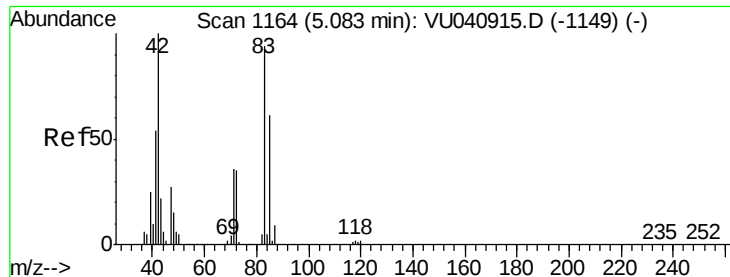


#40
Methyl acrylate
Concen: 23.727 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.0	12.2	18.2
58	8.6	6.8	10.2
42	11.5	9.4	14.2

Abundance Ion 55.00 (54.70 to 55.70): VU040916.D (-1085) (-)
Ion 85.00 (84.70 to 85.70): VU040916.D (-1085) (-)
Ion 58.00 (57.70 to 58.70): VU040916.D (-1085) (-)
Ion 42.00 (41.70 to 42.70): VU040916.D (-1085) (-)





#41

Tetrahydrofuran

Concen: 44.215 ug/l

RT: 5.09 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

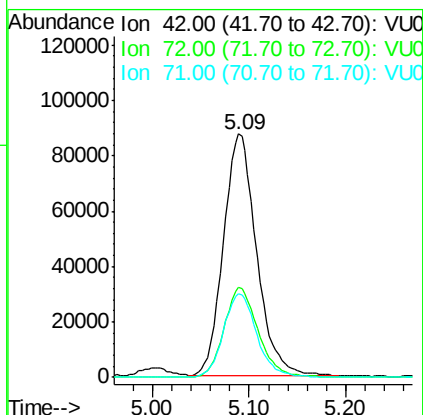
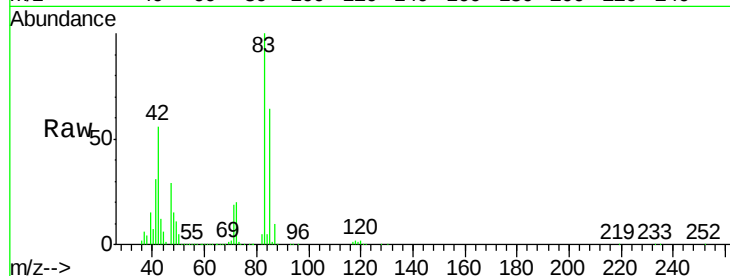
MSVOA_U

ClientSampleId :

VSTDIC020

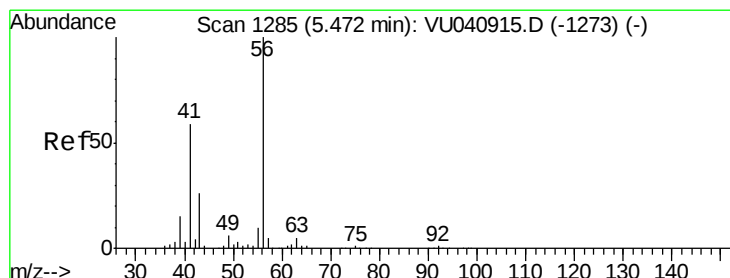
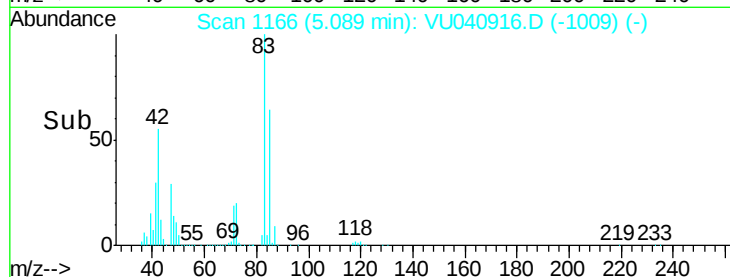
Tot Ion:	42	Resp:	208226
Ion Ratio		Lower	Upper
42	100		
72	38.2	30.1	45.1
71	34.9	27.9	41.9

Manual Integrations
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#42

1-Chlorobutane

Concen: 22.617 ug/l

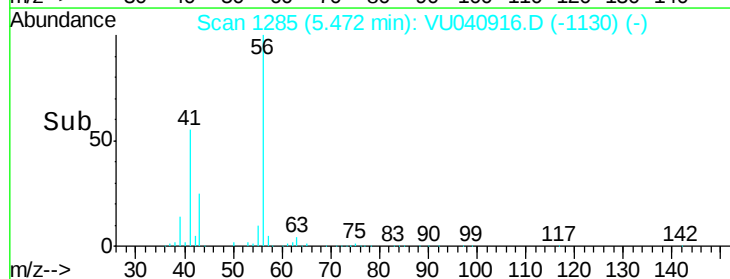
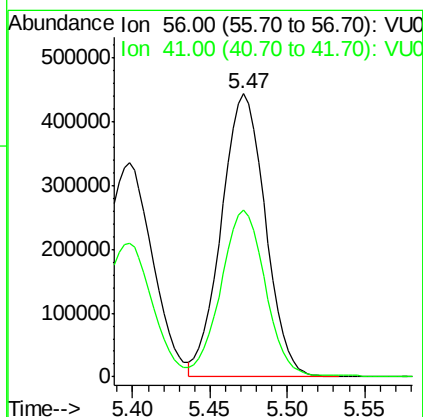
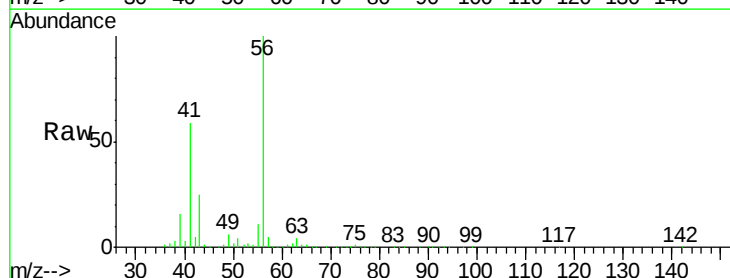
RT: 5.47 min Scan# 1285

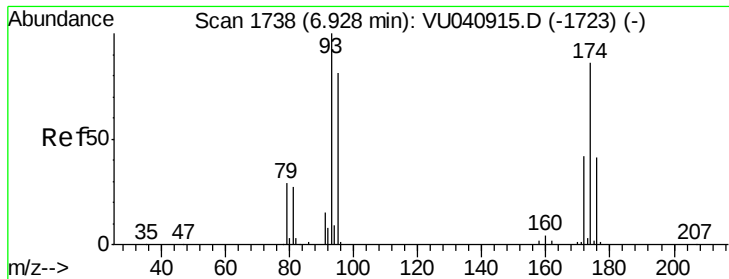
Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Tgt Ion:	56	Resp:	870379
Ion Ratio		Lower	Upper
56	100		
41	59.6	29.6	88.8



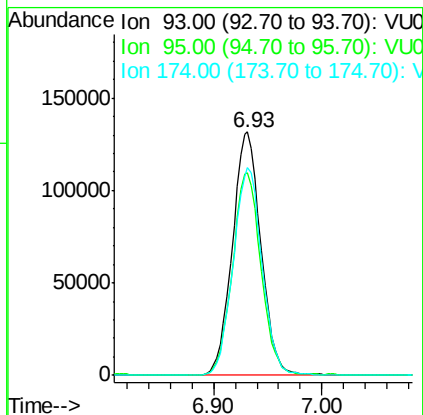
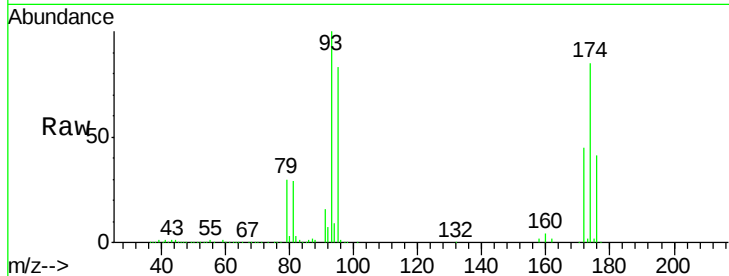


#43
Dibromomethane
Concen: 20.399 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

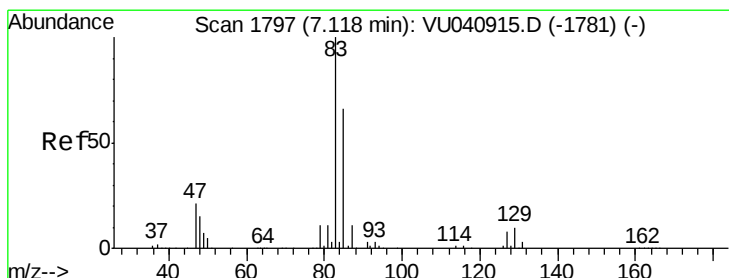
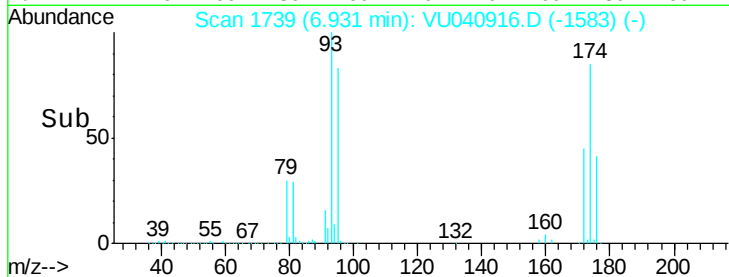
Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	93	100	242837		
95	95	83.3		66.3	99.5
174	174	86.1		70.4	105.6

Manual Integrations
APPROVED



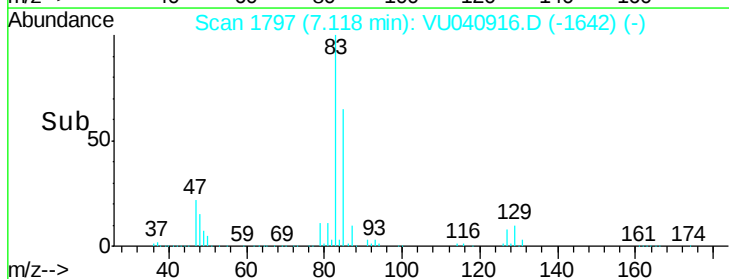
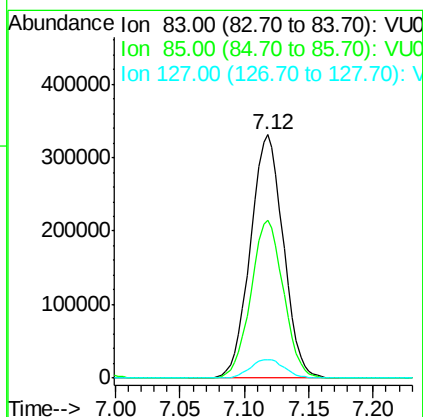
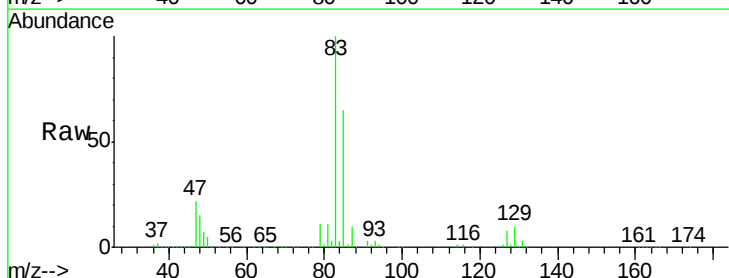
MMDadoda

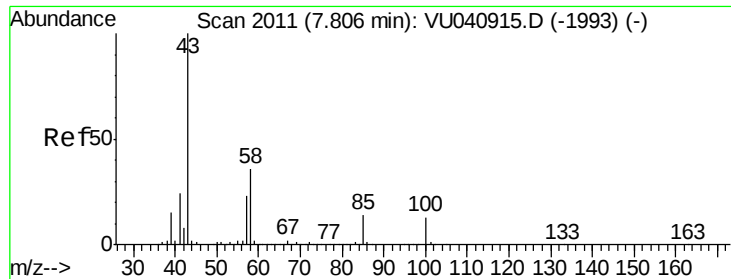
10/26/2020 4:15:05 PM



#44
Bromodichloromethane
Concen: 20.685 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	589802		
85	85	65.1		52.6	78.8
127	127	7.8		6.4	9.6



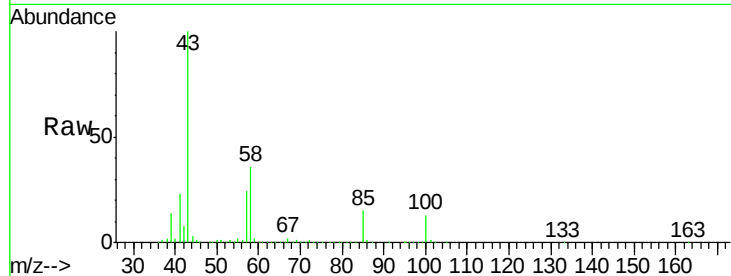


#45
4-Methyl-2-Pentanone
Concen: 119.765 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

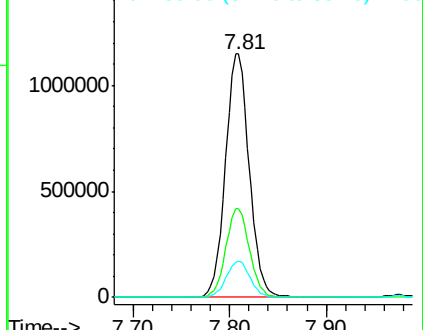
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	17.8	53.5
85	14.9	11.4	17.2

Manual Integrations
APPROVED



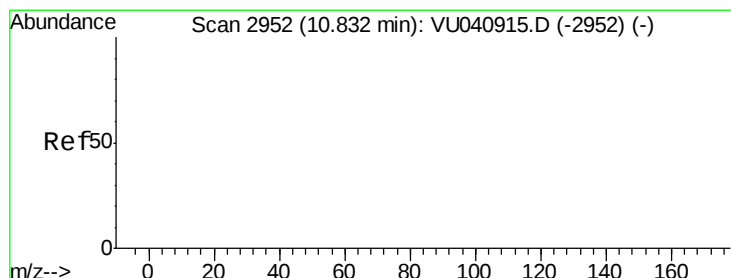
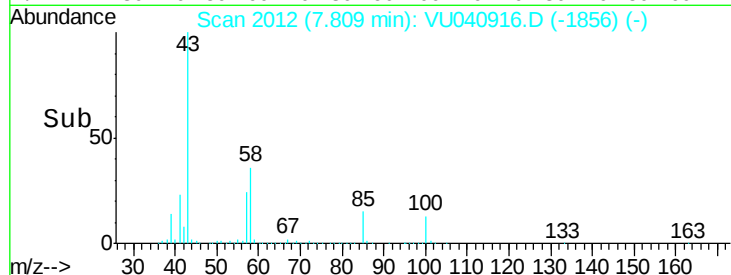
Abundance

Ion 43.00 (42.70 to 43.70): VU040916.D (-1856) (-)



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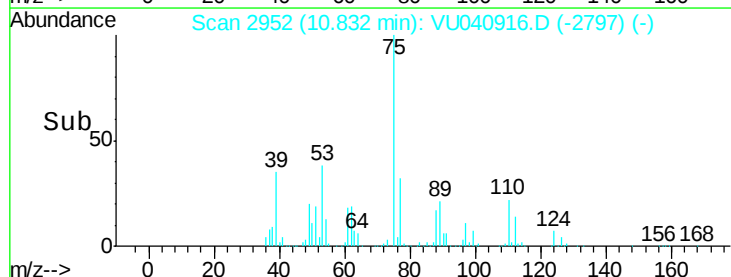
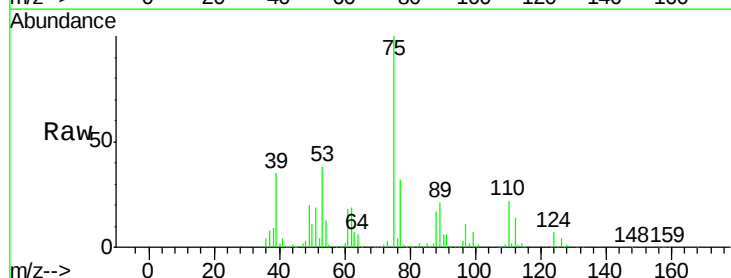
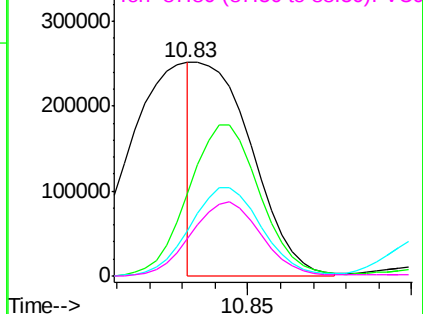


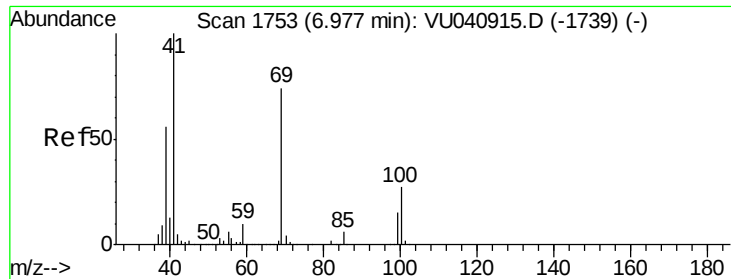
#46
t-1,4-Dichloro-2-butene
Concen: 50.251 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.3	73.0	109.4
89	51.4	41.7	62.5
88	42.3	34.4	51.6

Abundance

Ion 74.90 (74.60 to 75.60): VU040916.D (-2797) (-)



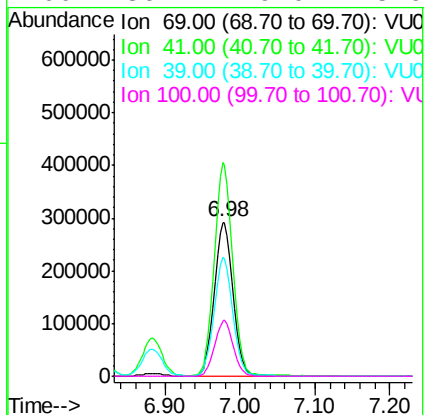
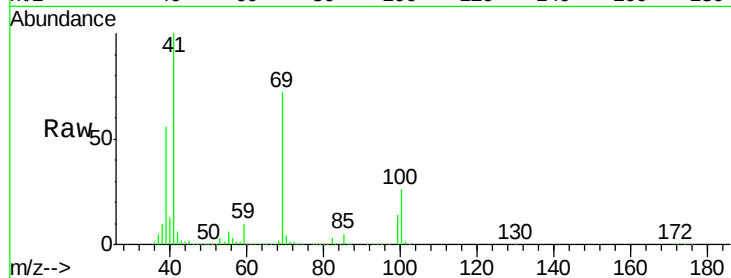


#47
Methyl methacrylate
Concen: 49.291 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

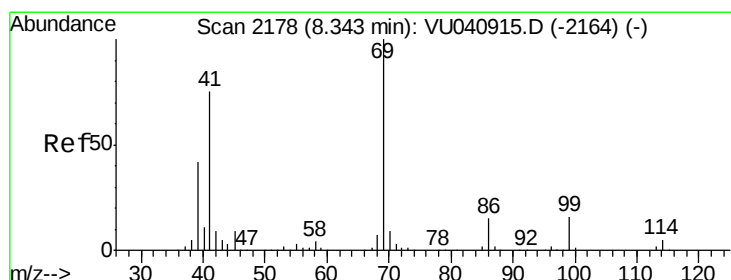
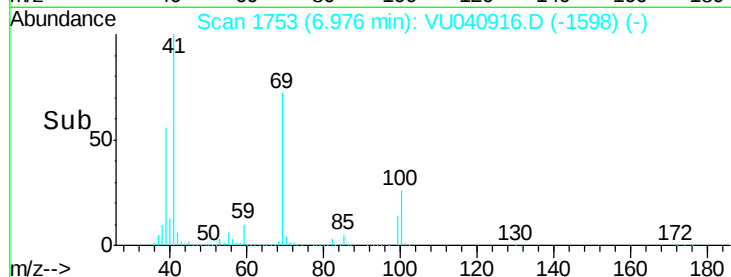
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	136.1	0.0	270.2		
39	76.6	61.6	92.4		
100	36.1	29.0	43.6		

Manual Integrations
APPROVED



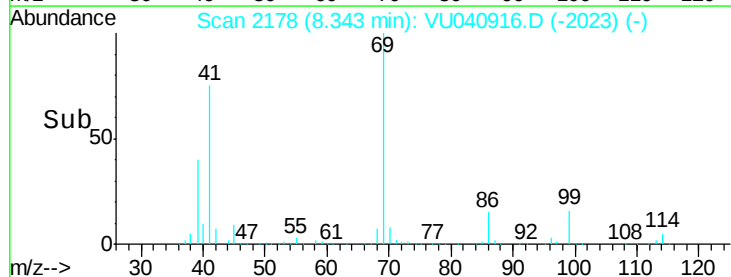
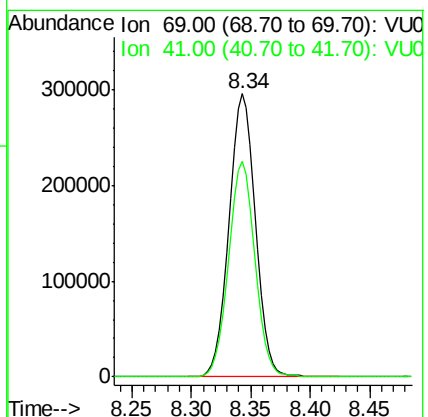
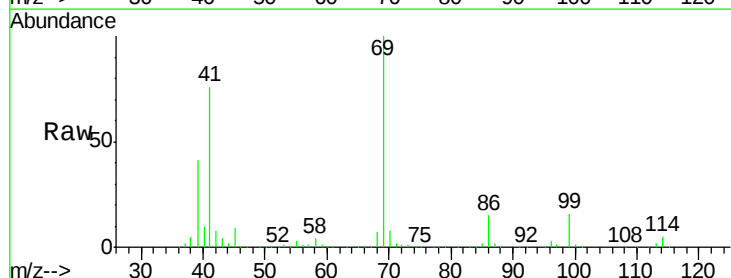
MMDadoda

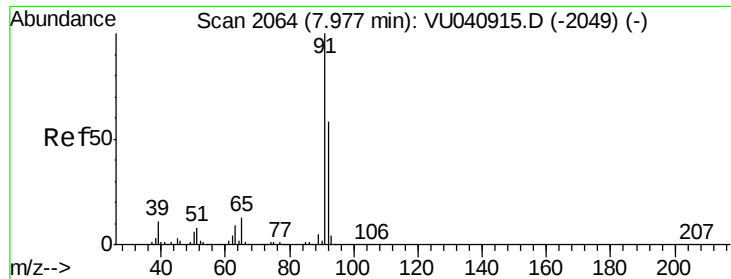
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#48
Ethyl methacrylate
Concen: 24.784 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	75.8	37.6	112.9		





#49

Toluene

Concen: 22.880 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

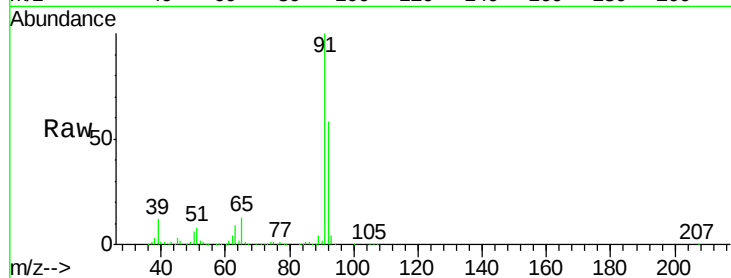
Tot Ion: 92 Resp: 992297

Ion Ratio Lower Upper

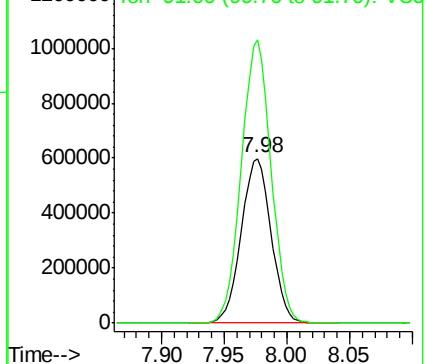
92 100

91 171.9 136.8 205.2

Manual Integrations
APPROVED

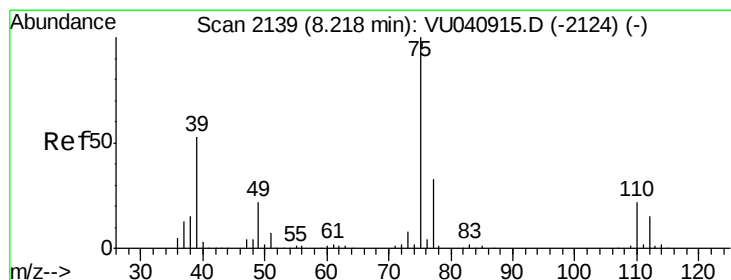
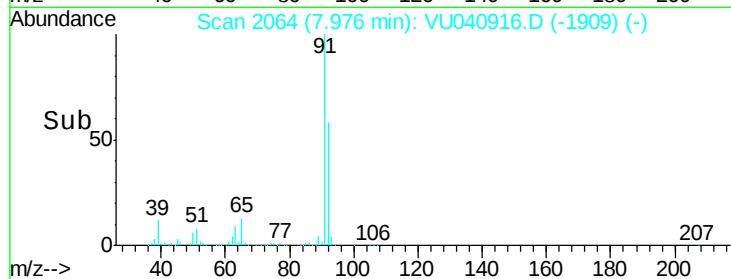


Abundance Ion 92.00 (91.70 to 92.70): VU040916.D (-1909) (-)



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#50

t-1,3-Dichloropropene

Concen: 22.550 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040916.D

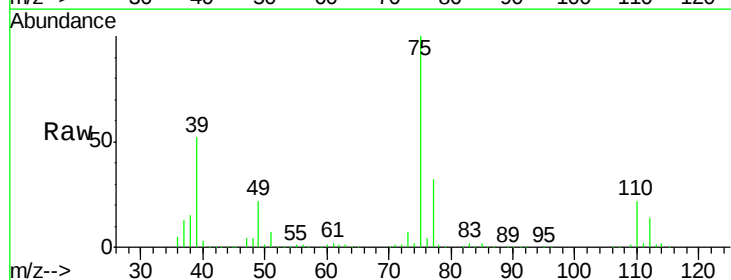
Acq: 22 Oct 2020 20:59

Tgt Ion: 75 Resp: 575603

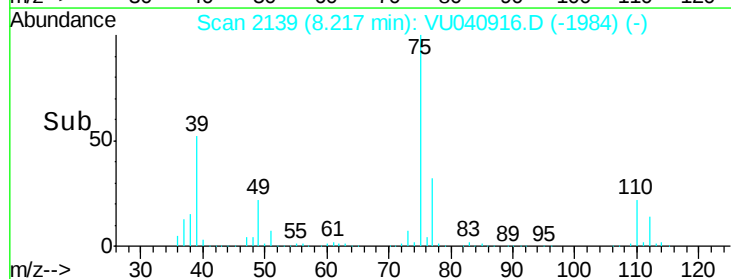
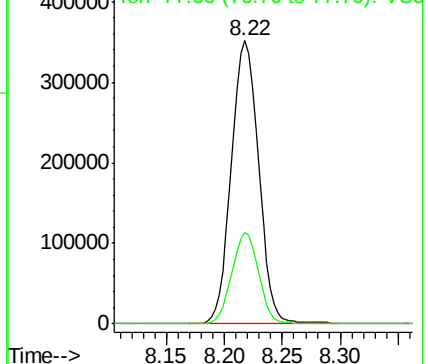
Ion Ratio Lower Upper

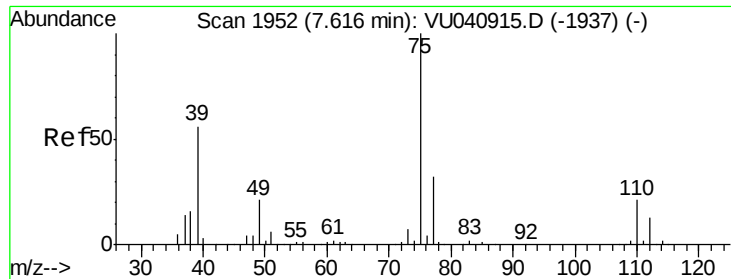
75 100

77 32.2 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU040916.D (-1984) (-)





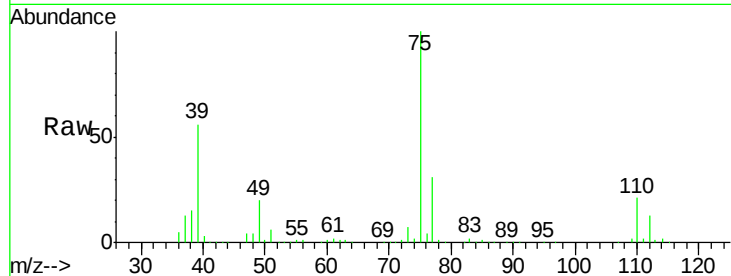
#51

cis-1,3-Dichloropropene
Concen: 22.111 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	626927		
77	31.4		25.4	38.0
39	55.6		44.7	67.1

Manual Integrations
APPROVED

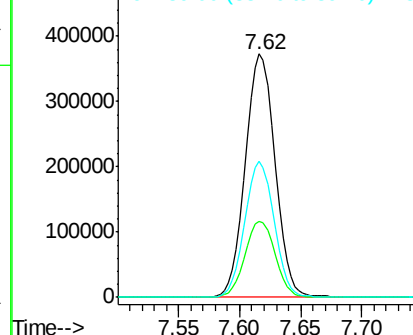
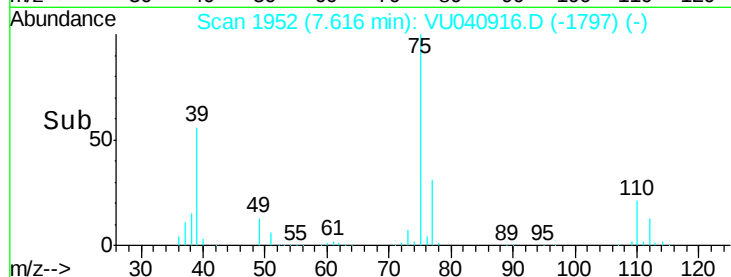


Abundance

Ion 75.00 (74.70 to 75.70): VU040916.D (-1797) (-)

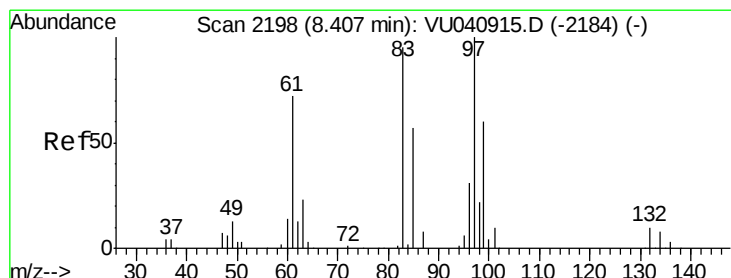
Ion 77.00 (76.70 to 77.70): VU040916.D (-1797) (-)

Ion 39.00 (38.70 to 39.70): VU040916.D (-1797) (-)



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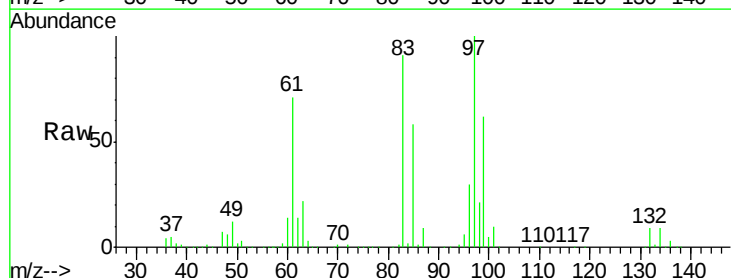
10/26/2020 4:15:05 PM



#52

1,1,2-Trichloroethane
Concen: 21.091 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	321999		
83	90.8		75.9	113.9
85	58.2		46.1	69.1
99	62.2		50.0	75.0



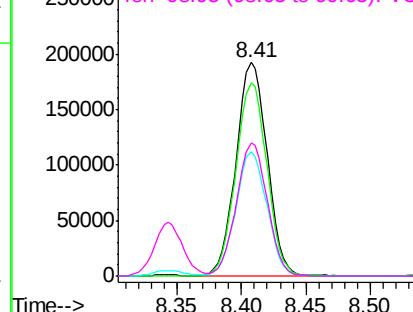
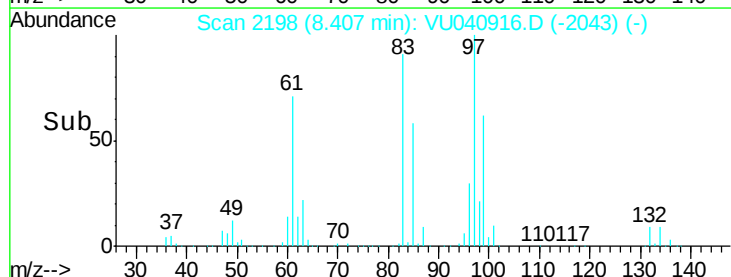
Abundance

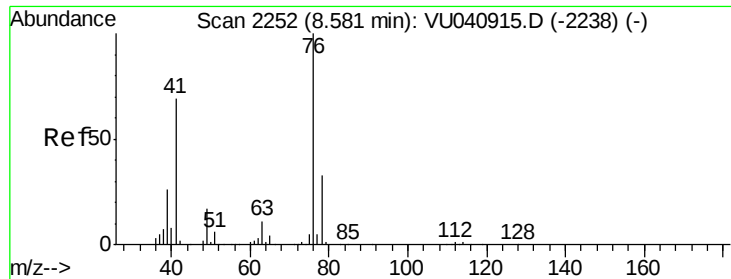
Ion 97.00 (96.70 to 97.70): VU040916.D (-2043) (-)

Ion 82.95 (82.65 to 83.65): VU040916.D (-2043) (-)

Ion 84.95 (84.65 to 85.65): VU040916.D (-2043) (-)

Ion 98.95 (98.65 to 99.65): VU040916.D (-2043) (-)





#53

1,3-Dichloropropane

Concen: 21.631 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 593206

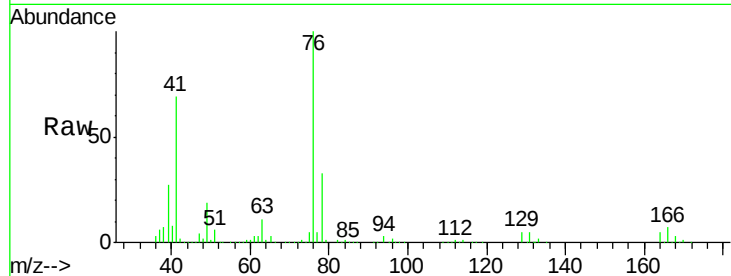
Ion Ratio Lower Upper

76 100

78 32.7 26.6 39.8

Manual Integrations

APPROVED



Abundance Ion 76.00 (75.70 to 76.70): VU040916.D (-2097) (-)

Ion 78.00 (77.70 to 78.70): VU040916.D (-2097) (-)

8.58

400000

300000

200000

100000

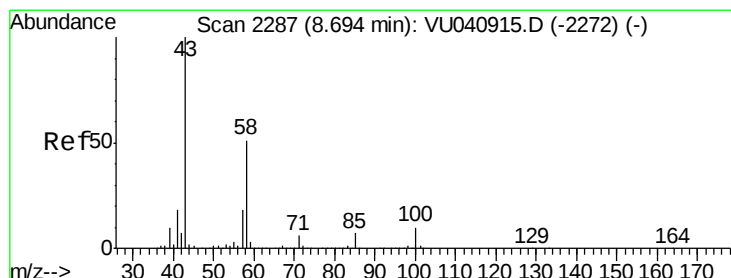
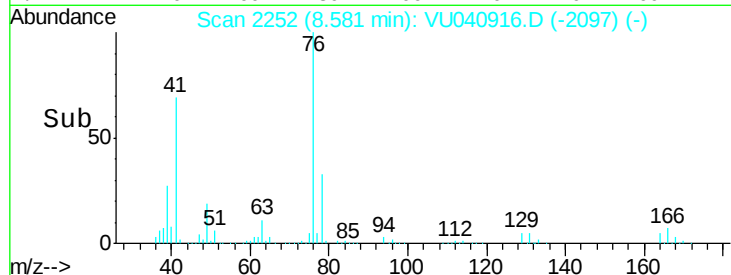
0

8.50 8.55 8.60 8.65

Time-->

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#54

2-Hexanone

Concen: 119.694 ug/l

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

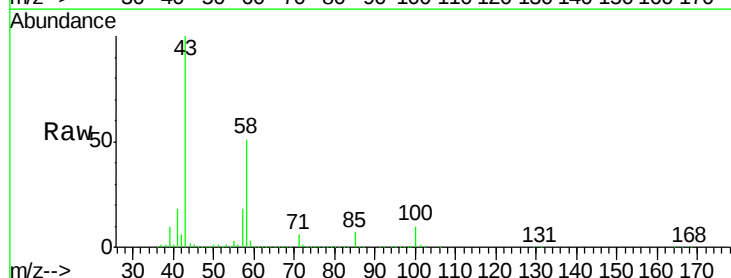
Tgt Ion: 43 Resp: 1407879

Ion Ratio Lower Upper

43 100

58 51.2 30.2 70.2

57 17.5 0.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VU040916.D (-2132) (-)

Ion 58.00 (57.70 to 58.70): VU040916.D (-2132) (-)

Ion 57.00 (56.70 to 57.70): VU040916.D (-2132) (-)

8.70

1200000

1000000

800000

600000

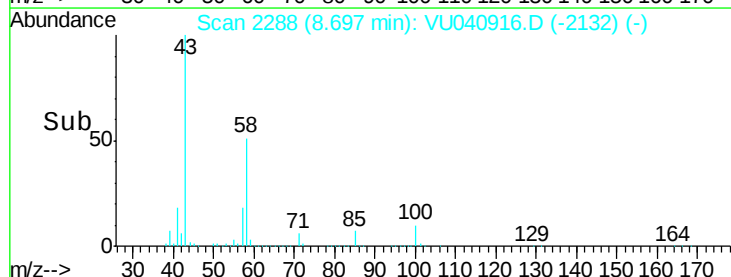
400000

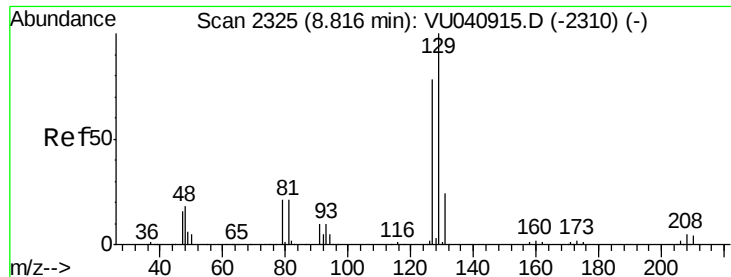
200000

0

8.60 8.70 8.80

Time-->





#55

Dibromochloromethane

Concen: 21.673 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion:129 Resp: 385086

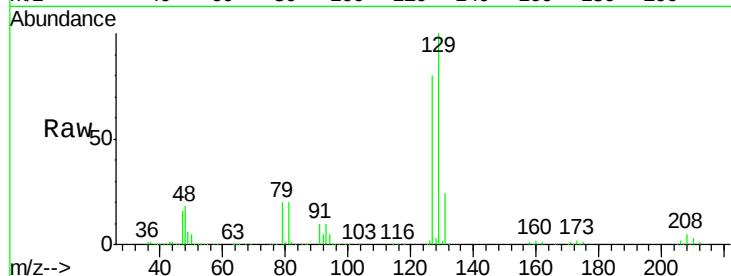
Ion Ratio Lower Upper

129 100

127 77.7 63.1 94.7

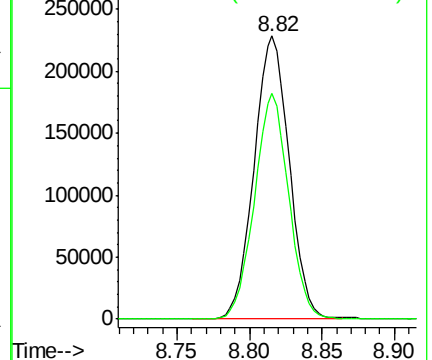
Manual Integrations

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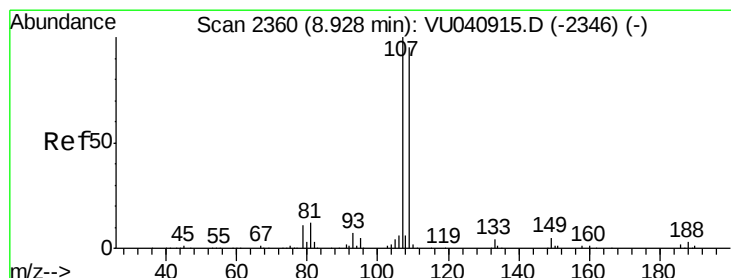
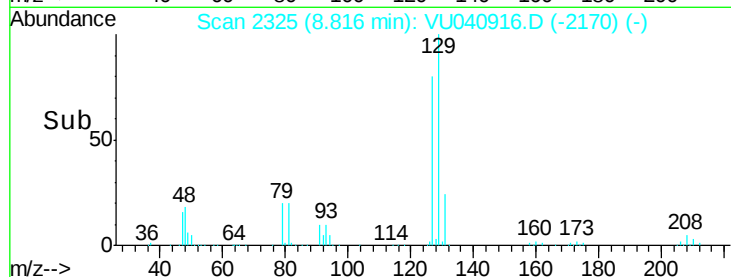
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 22.047 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040916.D

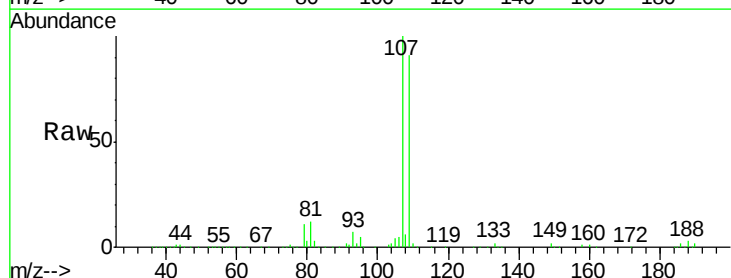
Acq: 22 Oct 2020 20:59

Tgt Ion:107 Resp: 314758

Ion Ratio Lower Upper

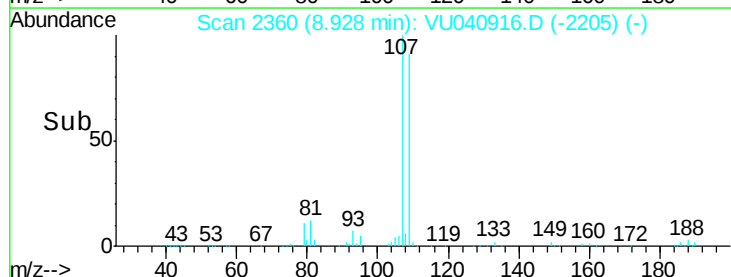
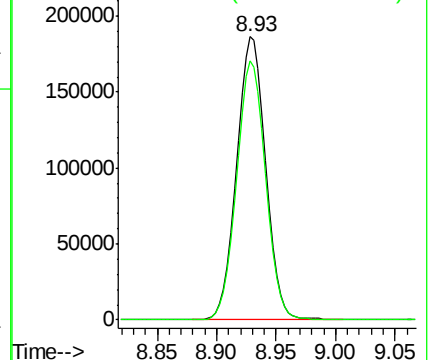
107 100

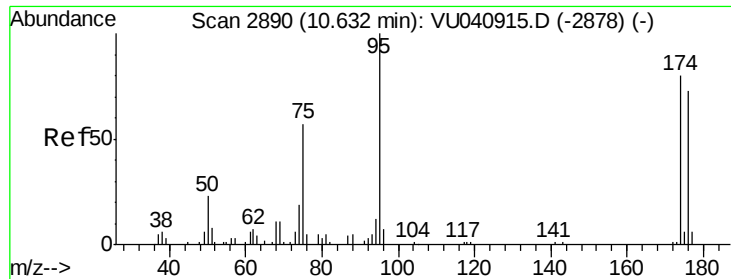
109 91.6 0.0 190.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



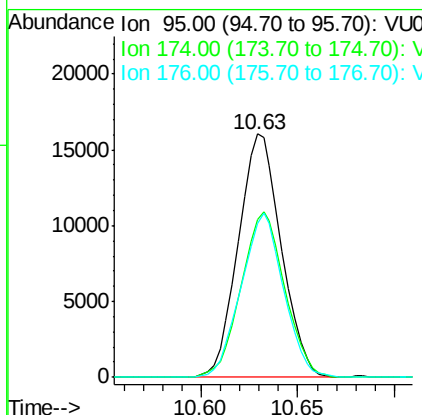
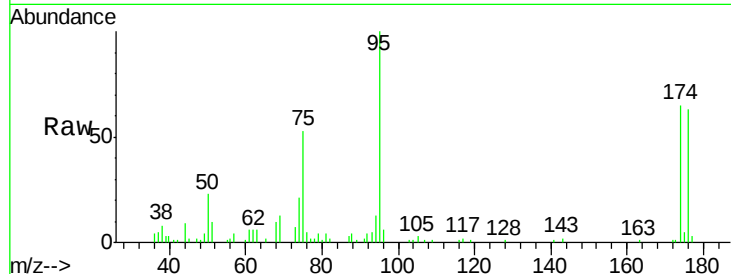


#57
4-Bromofluorobenzene
Concen: 0.944 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

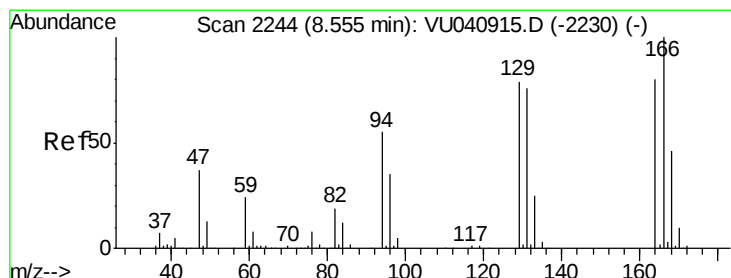
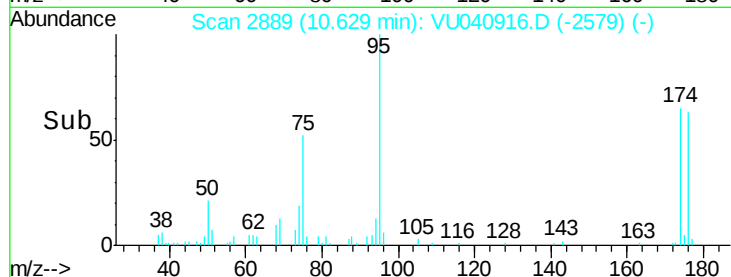
Tot Ion	Ratio	Lower	Upper
95	100		
174	69.2	60.3	90.5
176	66.8	55.6	83.4

Manual Integrations
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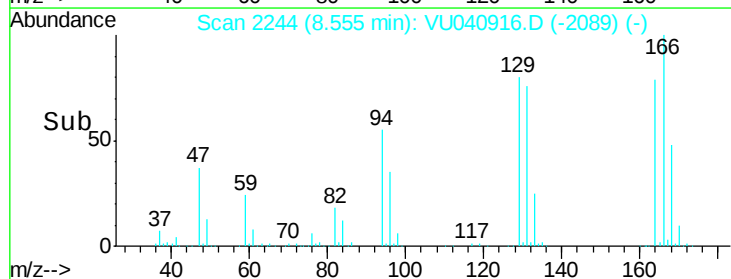
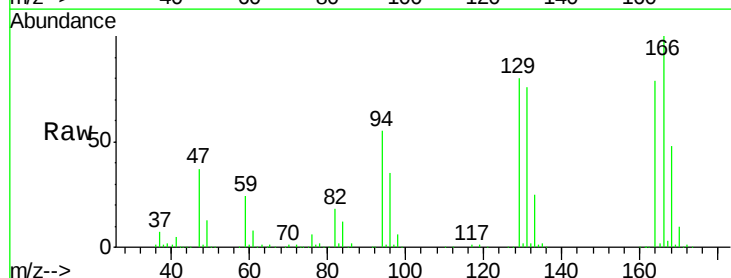
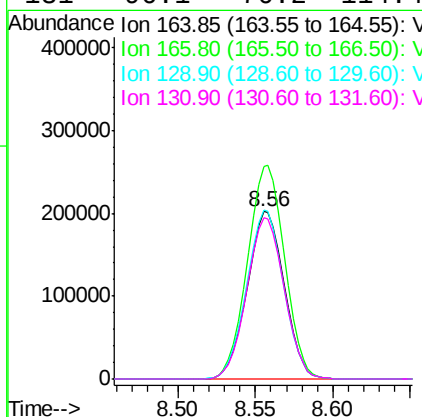
MMDadoda

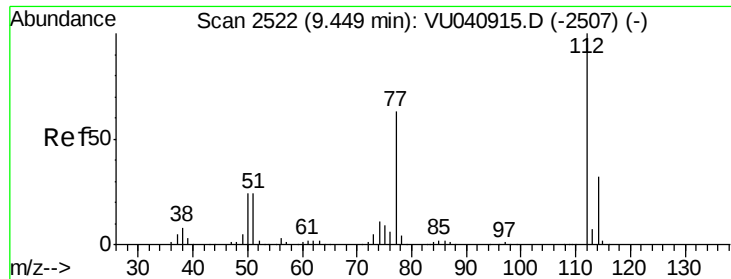
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#58
Tetrachloroethene
Concen: 19.494 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.3	150.5
129	101.0	79.4	119.0
131	96.1	76.2	114.4





#59

Chlorobenzene

Concen: 21.726 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 1025147

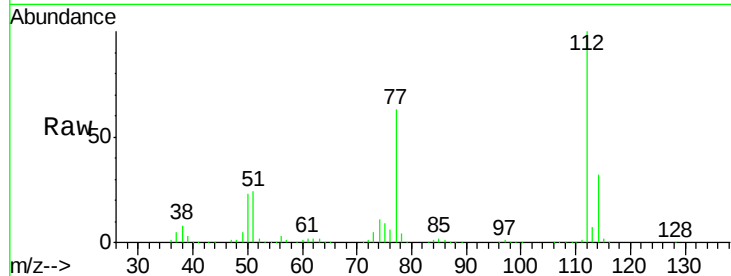
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8

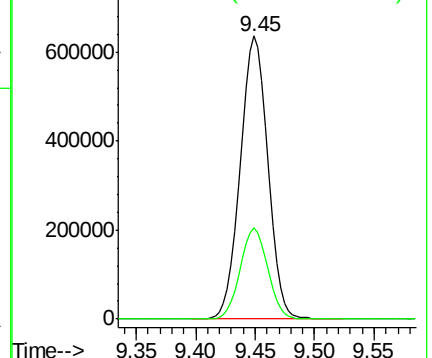
Manual Integrations

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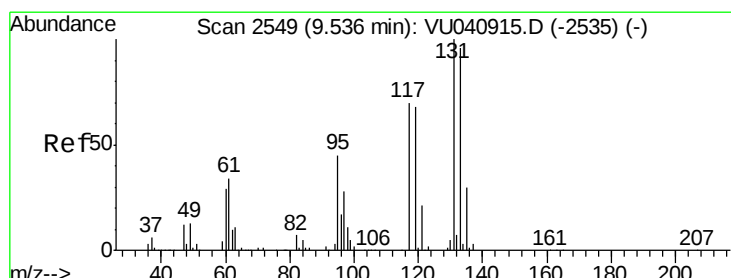
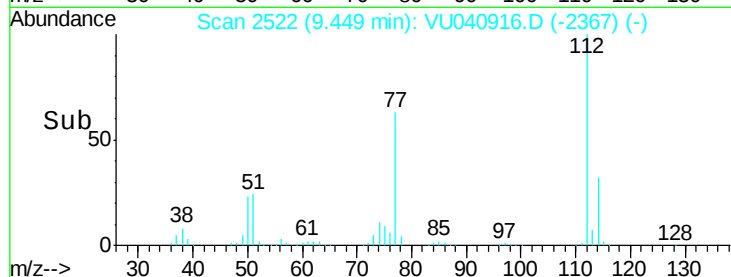
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



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#60

1,1,1,2-Tetrachloroethane

Concen: 21.430 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

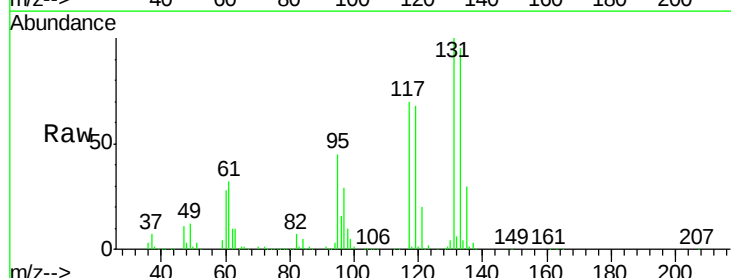
Tgt Ion:131 Resp: 371886

Ion Ratio Lower Upper

131 100

133 95.0 77.4 116.0

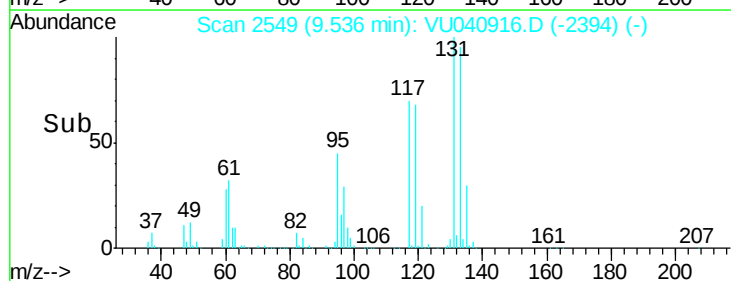
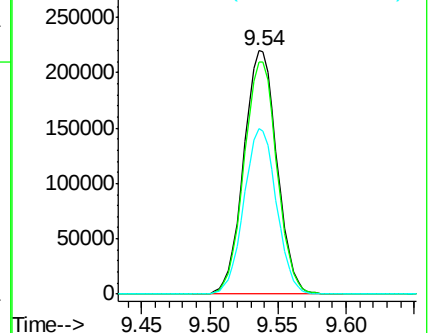
119 66.8 53.5 80.3

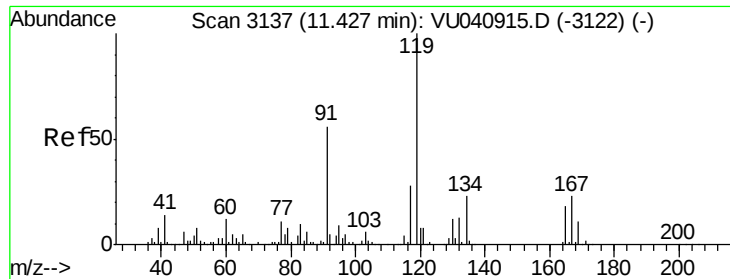


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



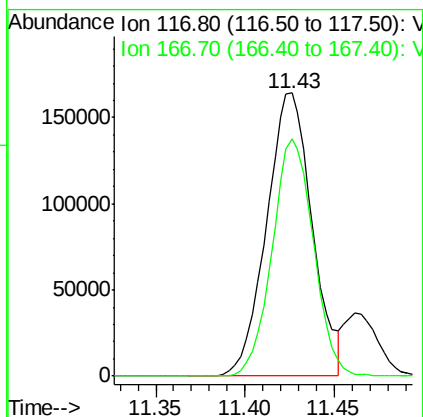
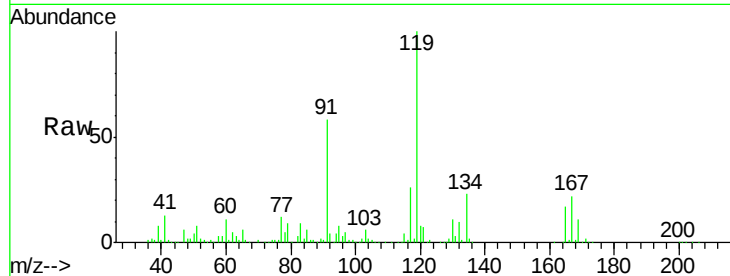


#61
 Pentachloroethane
 Concen: 23.922 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

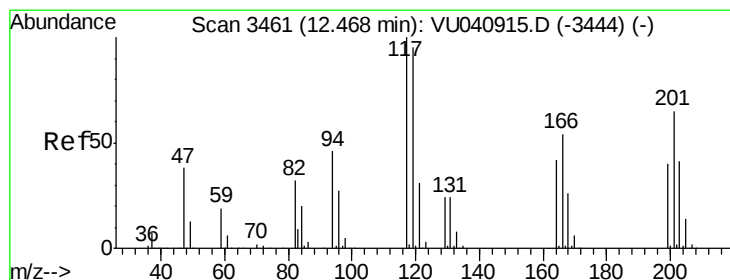
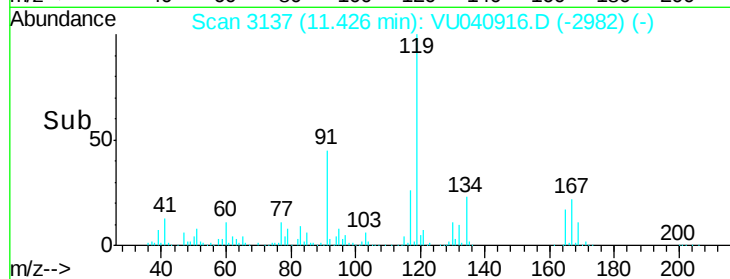
Tot Ion:117 Resp: 293283
 Ion Ratio Lower Upper
 117 100
 167 76.1 59.4 89.2

Manual Integrations
 APPROVED



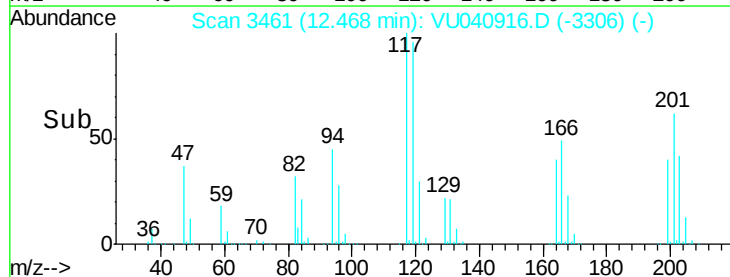
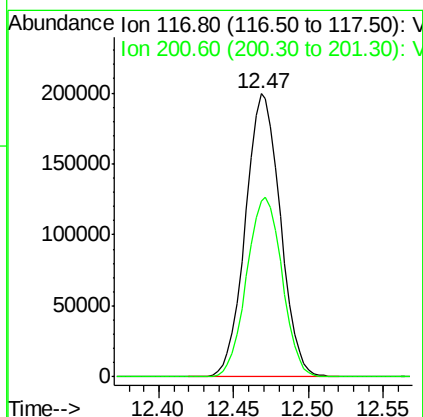
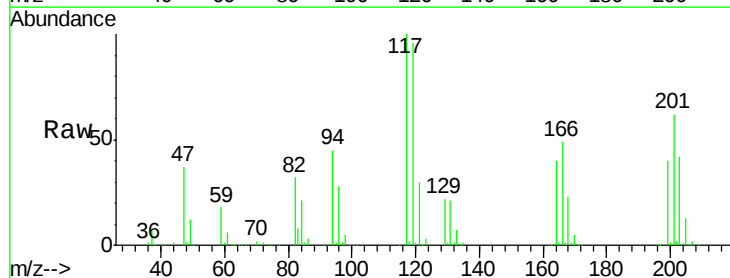
MMDadoda

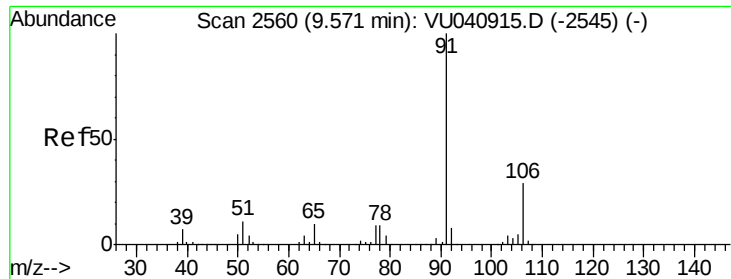
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#62
 Hexachloroethane
 Concen: 21.597 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion:117 Resp: 324450
 Ion Ratio Lower Upper
 117 100
 201 64.5 52.6 78.8



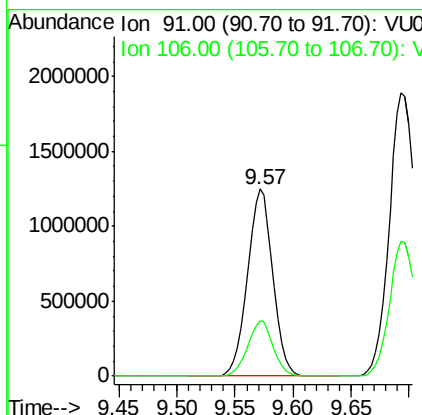
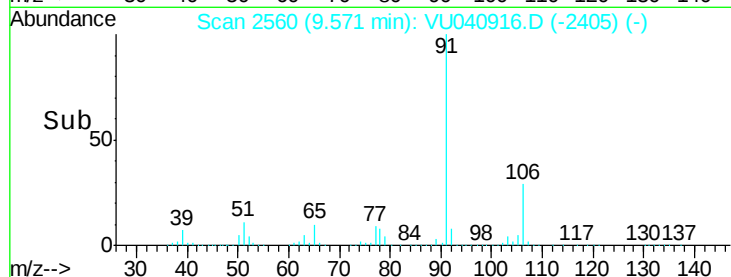
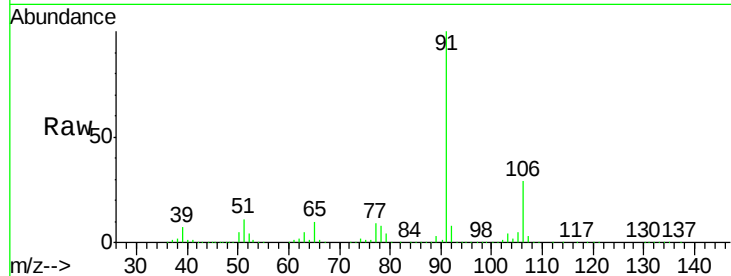


#63
Ethyl Benzene
Concen: 23.575 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

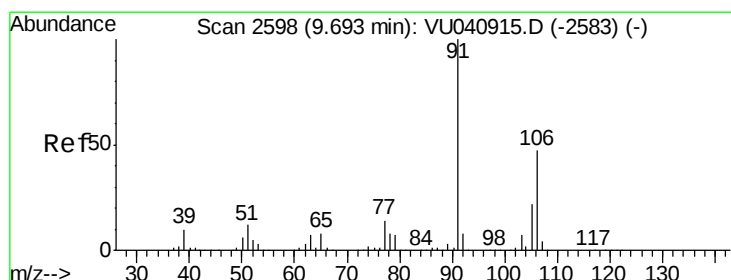
Tot Ion: 91 Resp: 1901375
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3

Manual Integrations
APPROVED



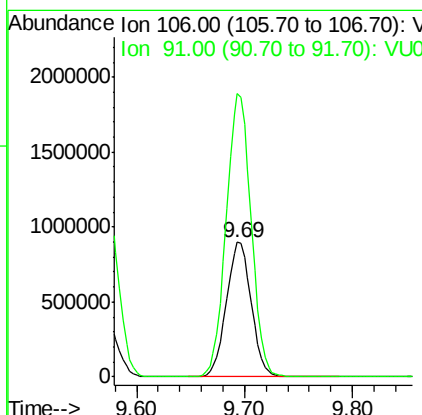
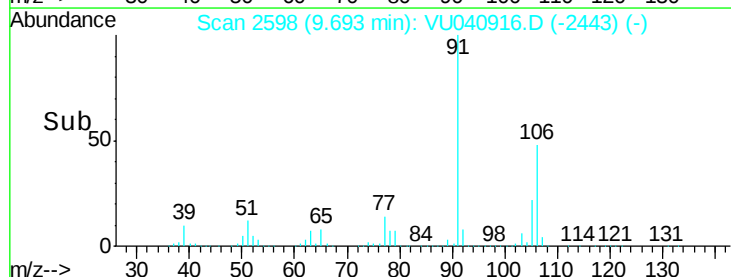
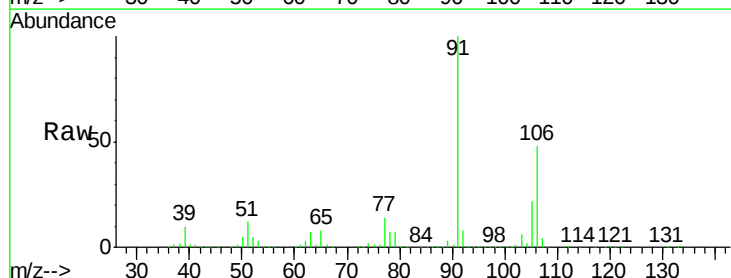
MMDadoda

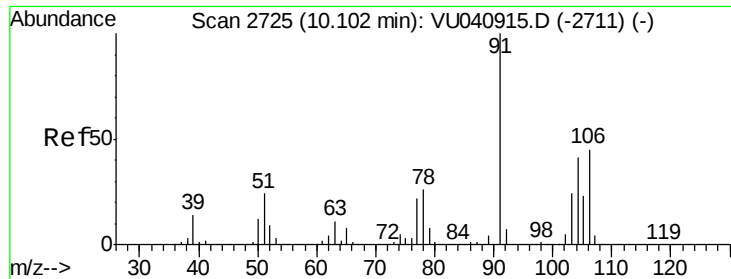
10/26/2020 4:15:05 PM



#64
m/p-Xylenes
Concen: 47.462 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 106 Resp: 1439805
Ion Ratio Lower Upper
106 100
91 210.8 168.3 252.5



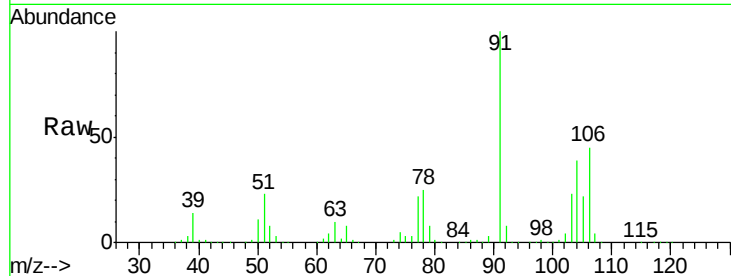


#65
o-Xylene
Concen: 22.897 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

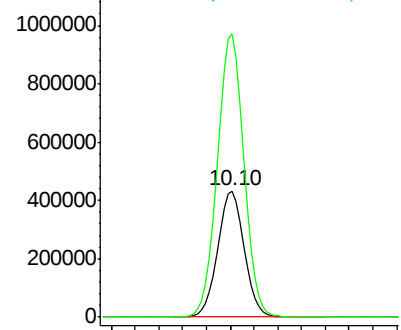
Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	225.9	111.3	333.9	

Manual Integrations
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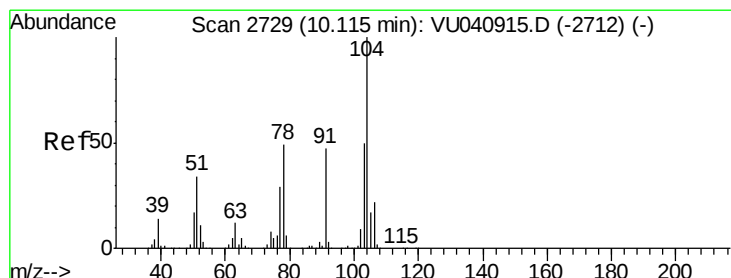
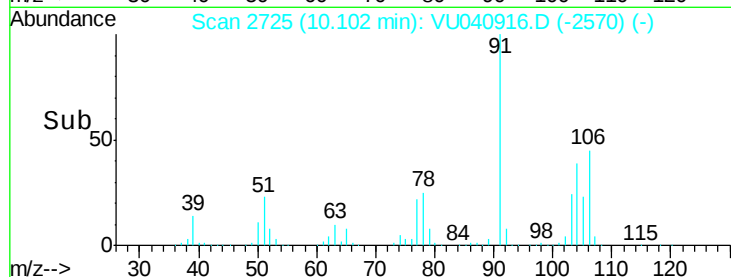


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



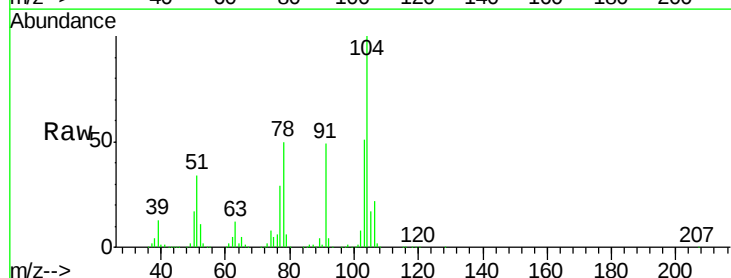
MMDadoda

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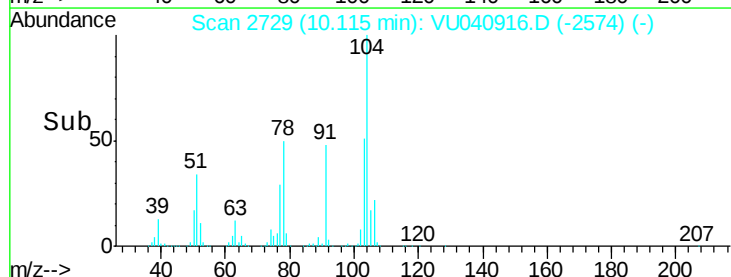
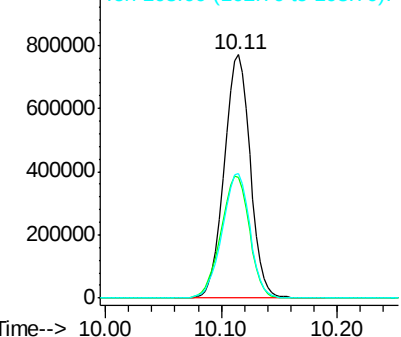


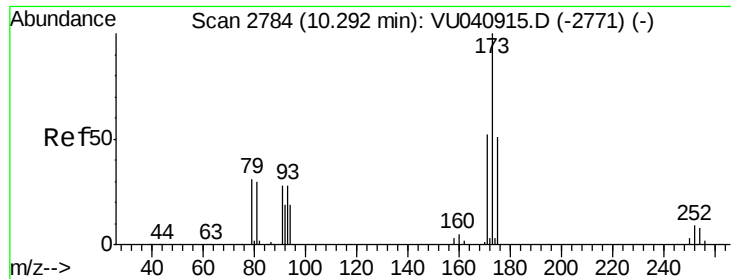
#66
Styrene
Concen: 23.354 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	55.1	43.4	65.0	
103	54.8	43.1	64.7	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 23.688 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

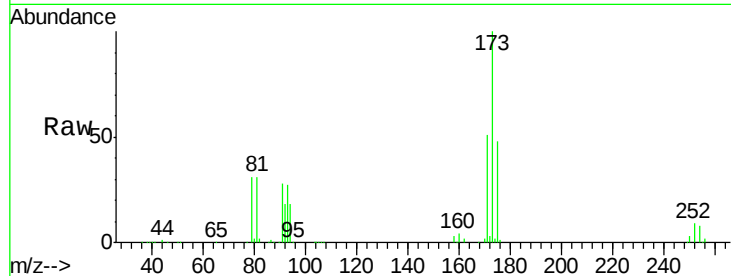
MSVOA_U

ClientSampleId :

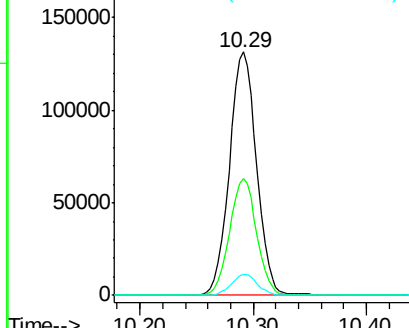
VSTDIC020

Tot Ion:	173	Resp:	219001
Ion Ratio	Lower	Upper	
173	100		
175	47.7	39.0	58.4
254	8.3	6.6	9.8

Manual Integrations
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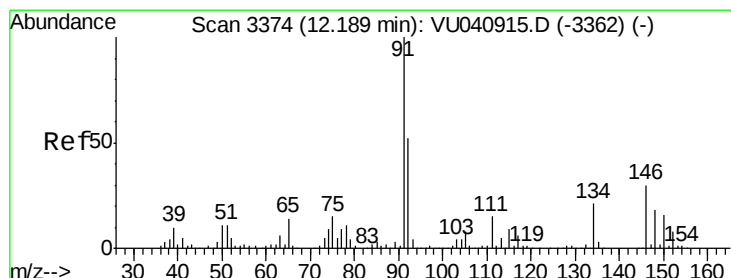
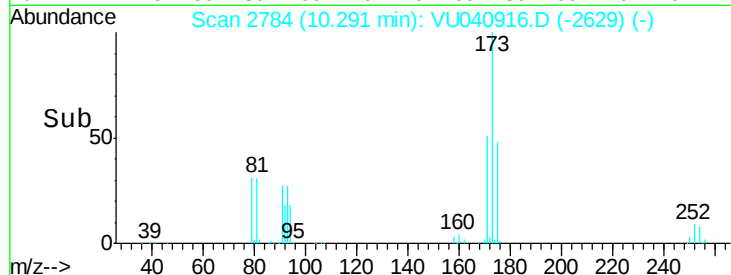


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.068 ug/l

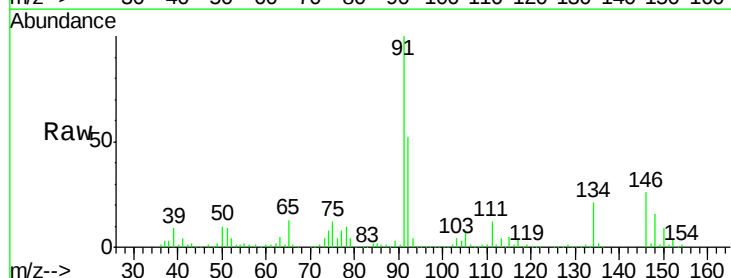
RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

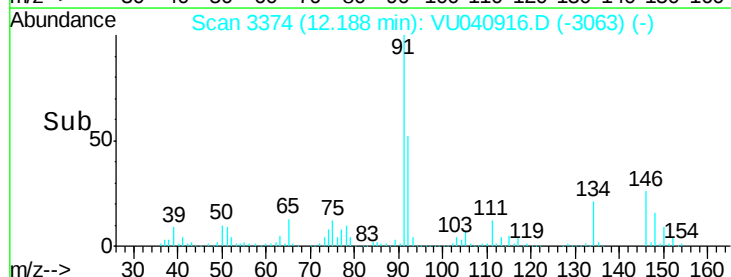
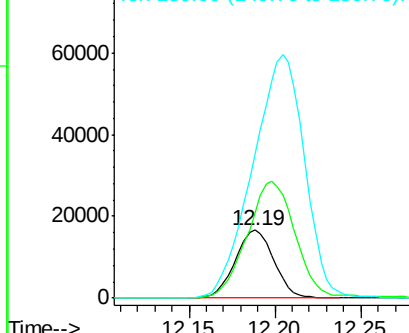
Lab File: VU040916.D

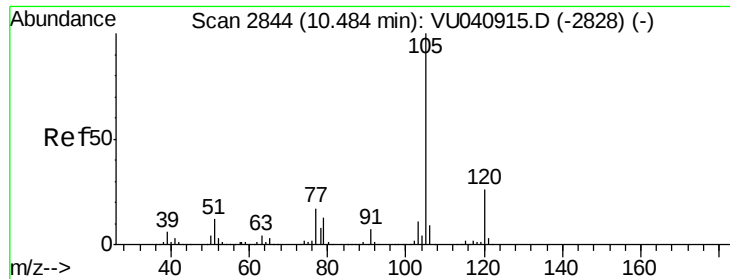
Acq: 22 Oct 2020 20:59

Tgt Ion:	152	Resp:	26115
Ion Ratio	Lower	Upper	
152	100		
115	210.9	0.0	323.4
150	476.7	0.0	653.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 22.787 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1808593

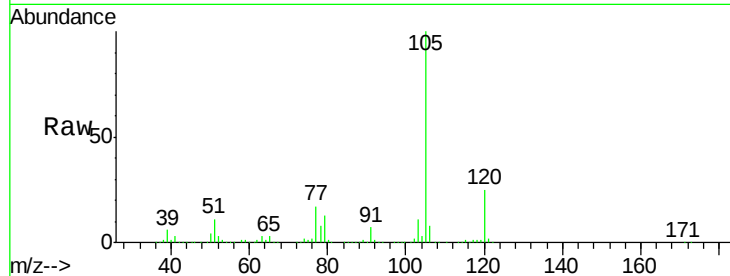
Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.6

Manual Integrations

APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

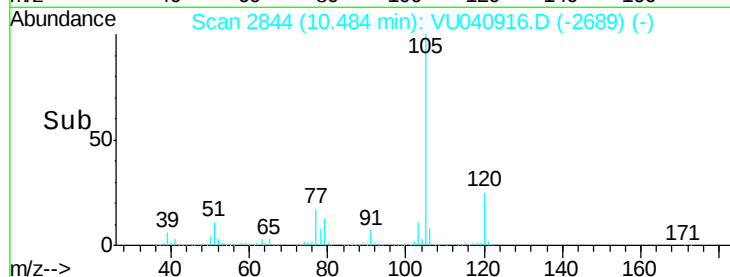
10.48

1000000

500000

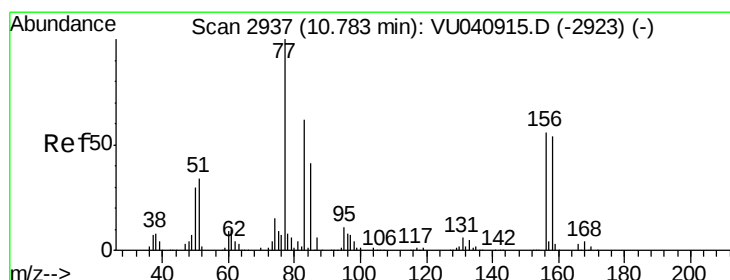
0

Time-->



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#70

1,1,2,2-Tetrachloroethane

Concen: 21.797 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

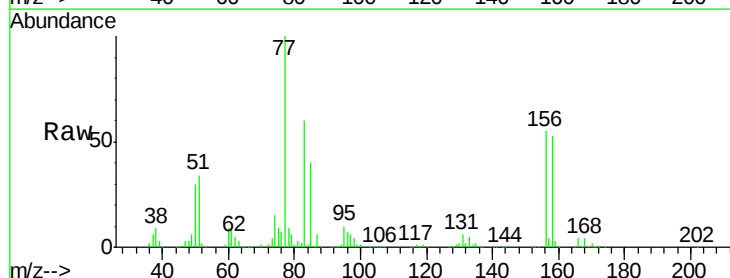
Tgt Ion: 83 Resp: 446294

Ion Ratio Lower Upper

83 100

131 9.4 7.1 10.7

85 65.7 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.78

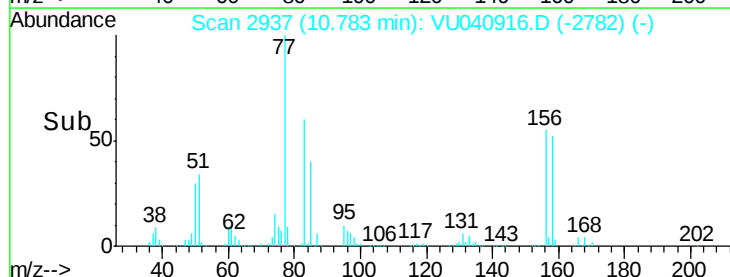
300000

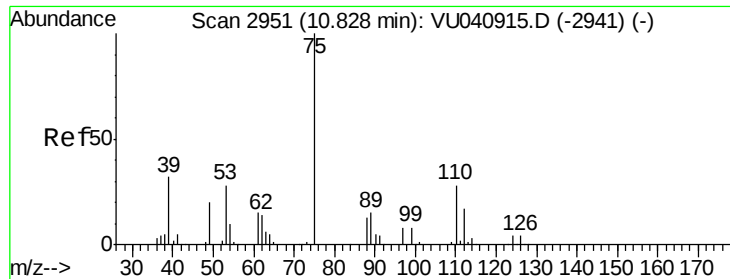
200000

100000

0

Time-->



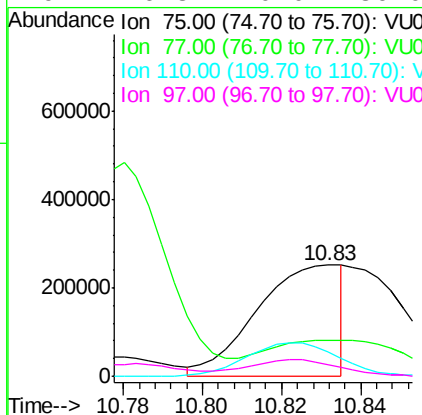
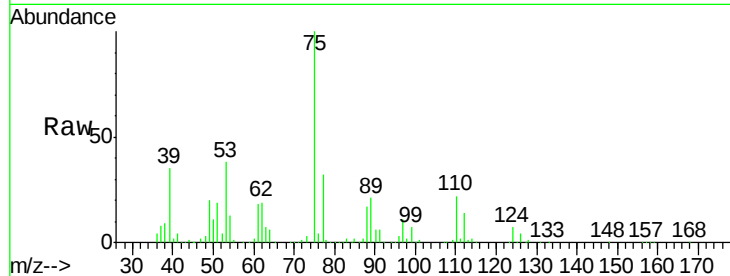


#71
 1,2,3-Trichloropropane
 Concen: 23.812 ug/l m
 RT: 10.83 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

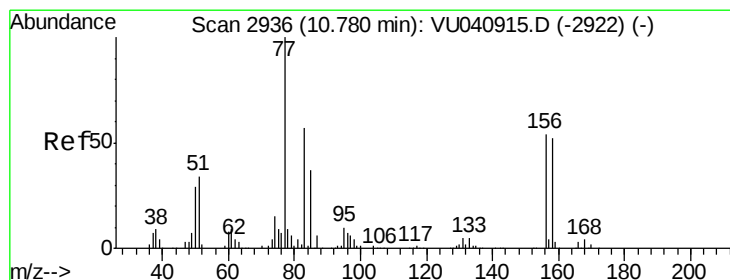
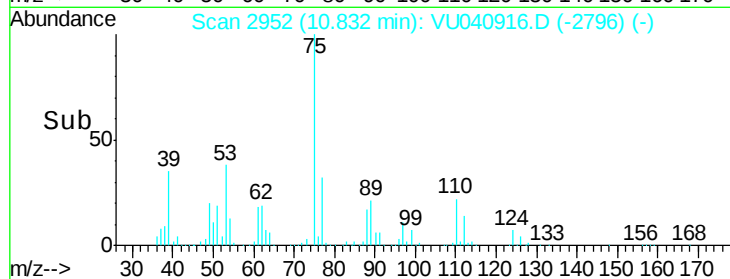
Tot Ion	75	Resp	374723
Ion	Ratio	Lower	Upper
75	100		
77	51.5	0.0	110.8
110	33.0	0.0	73.4
97	16.3	0.0	36.0

Manual Integrations
 APPROVED



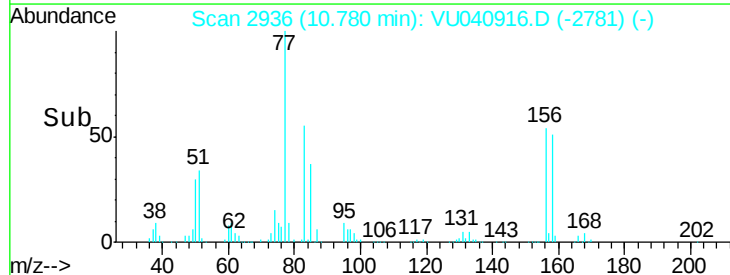
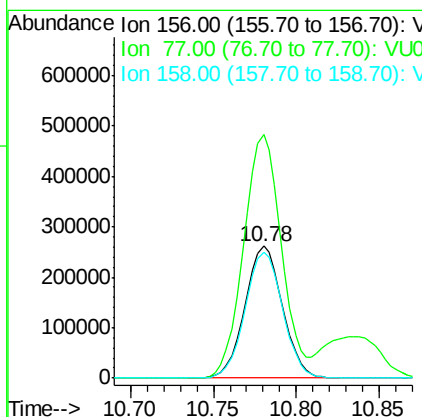
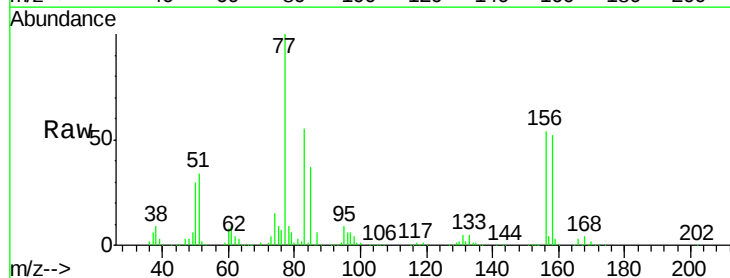
MMDadoda

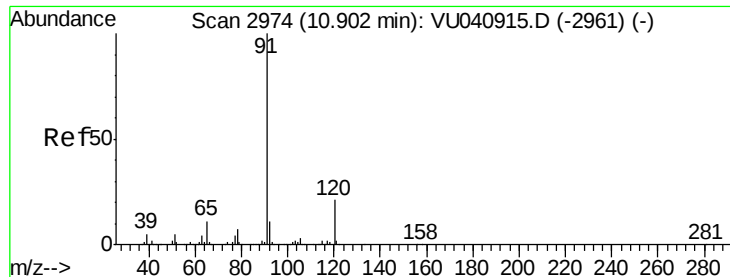
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#72
 Bromobenzene
 Concen: 21.828 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion	156	Resp	410564
Ion	Ratio	Lower	Upper
156	100		
77	187.3	0.0	370.2
158	96.3	0.0	193.2



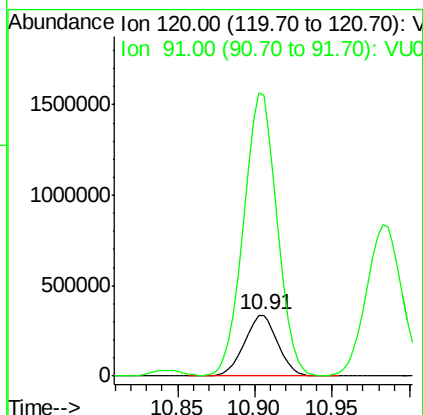
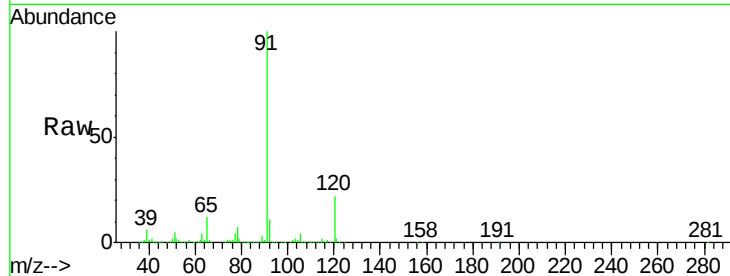


#73
n-propylbenzene
Concen: 22.928 ug/l
RT: 10.91 min Scan# 2975
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

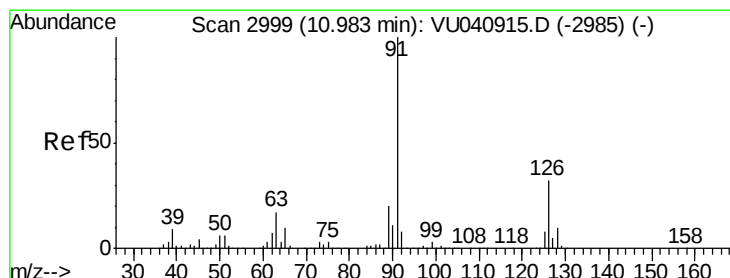
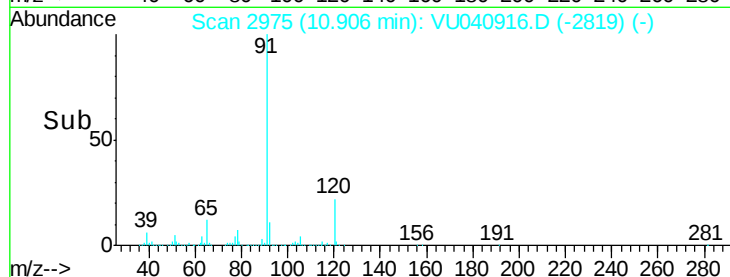
Tot Ion	Ion	Ratio	Lower	Upper
120	100			
91	467.4	370.8	556.2	

Manual Integrations
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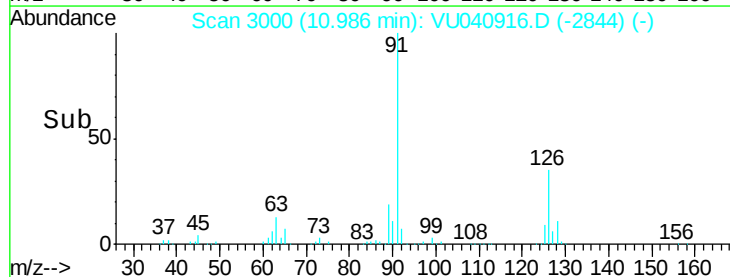
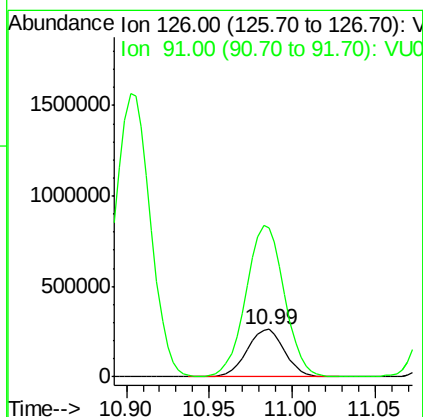
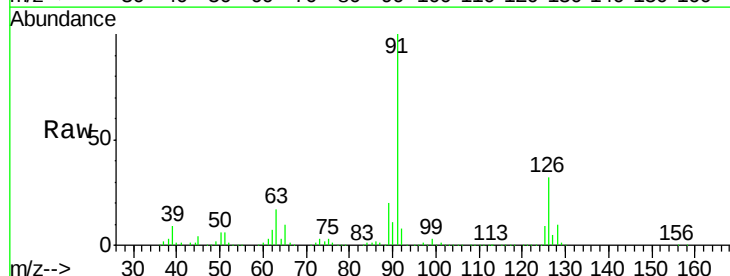
MMDadoda

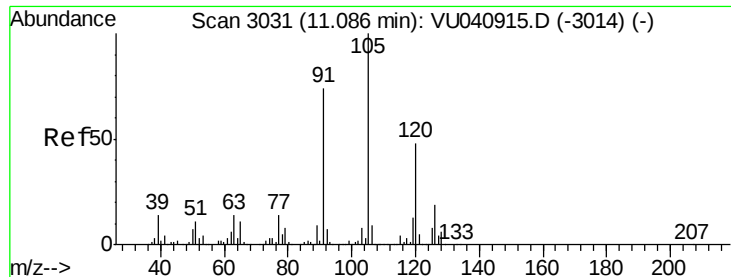
10/26/2020 4:15:05 PM



#74
2-Chlorotoluene
Concen: 21.635 ug/l
RT: 10.99 min Scan# 3000
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
126	100			
91	322.9	0.0	633.2	





#75

1,3,5-Trimethylbenzene

Concen: 22.843 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

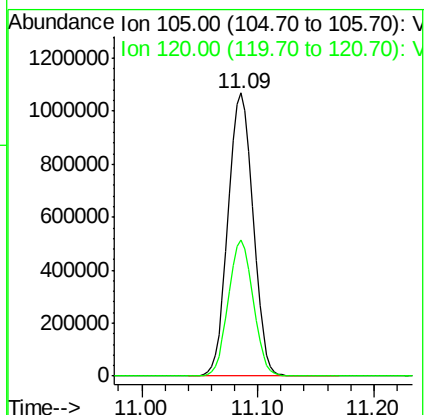
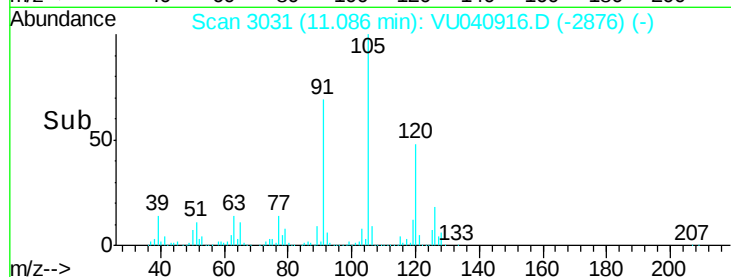
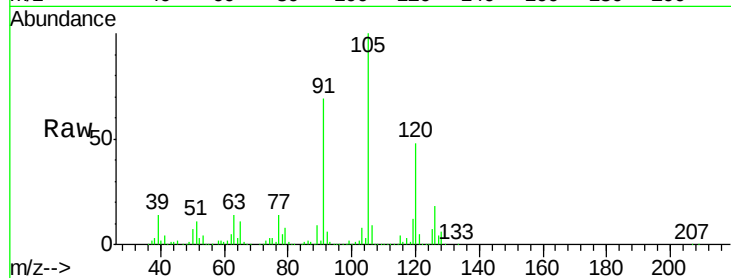
Tot Ion:105 Resp: 1590243

Ion Ratio Lower Upper

105 100

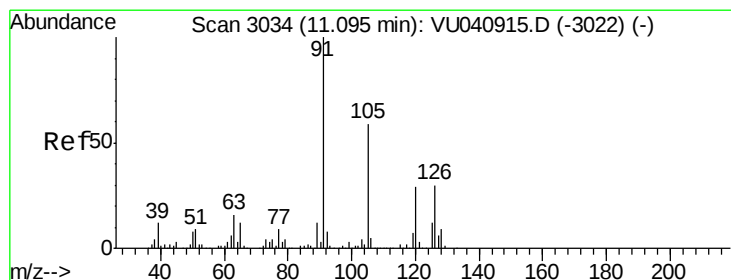
120 47.7 38.7 58.1

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#76

4-Chlorotoluene

Concen: 21.582 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040916.D

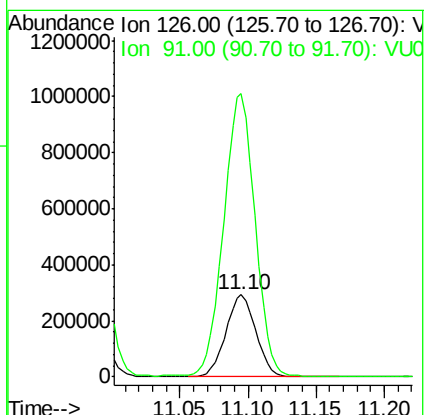
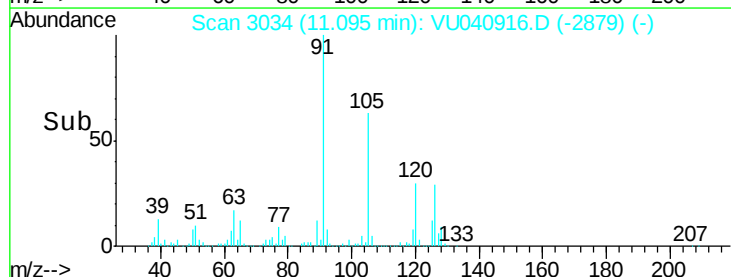
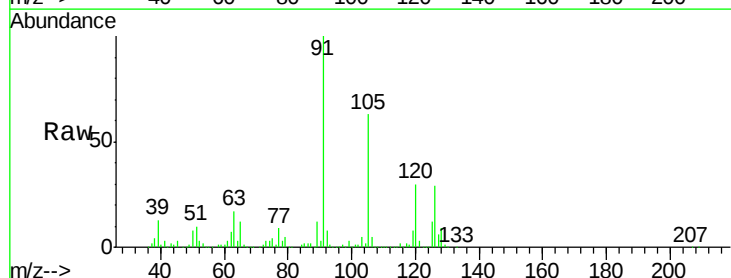
Acq: 22 Oct 2020 20:59

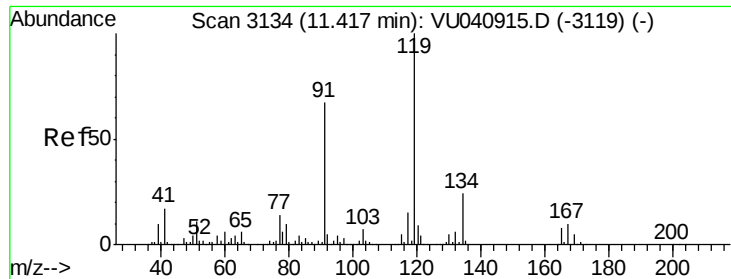
Tgt Ion:126 Resp: 447056

Ion Ratio Lower Upper

126 100

91 362.3 0.0 730.4



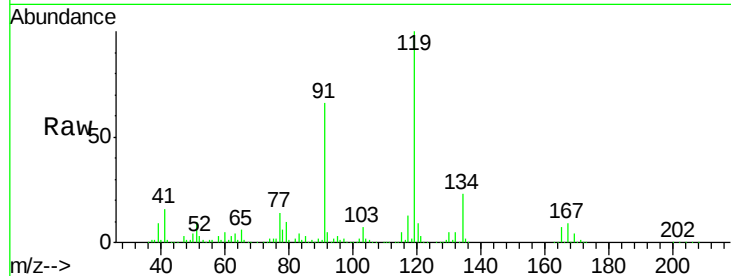


#77
tert-Butylbenzene
Concen: 23.126 ug/l
RT: 11.42 min Scan# 3134
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

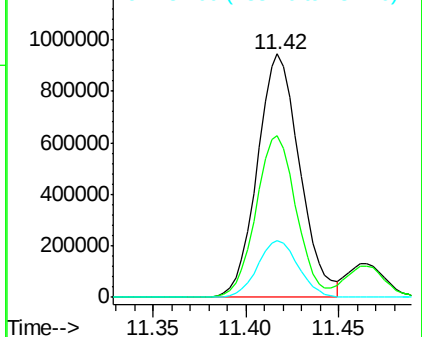
Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.0	96.2
134	22.7	18.4	27.6

Manual Integrations
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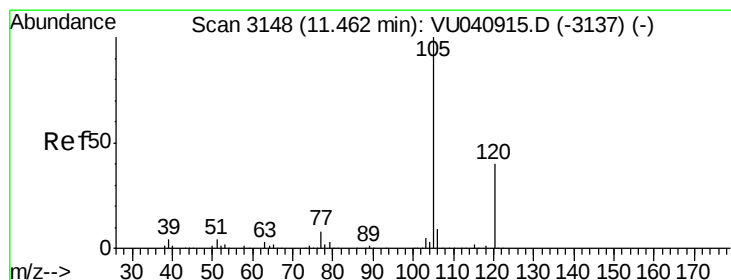
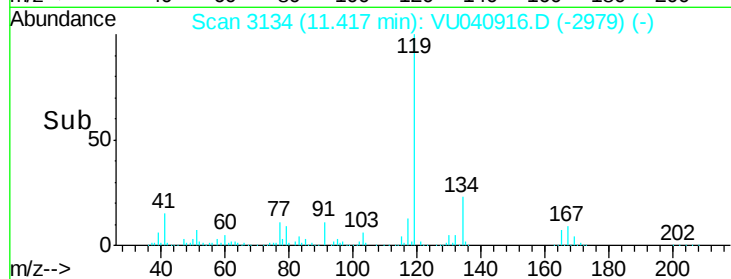


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



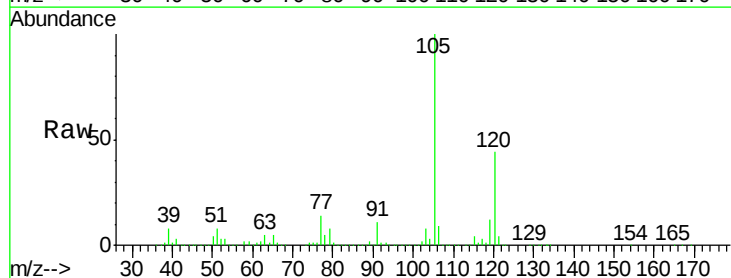
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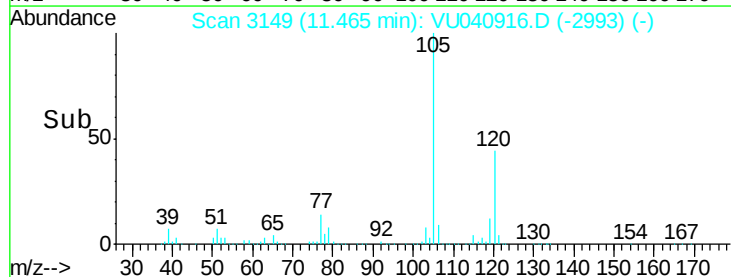
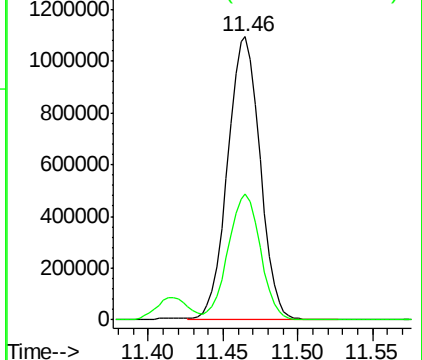


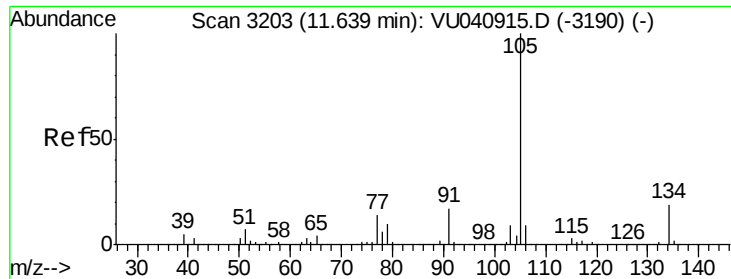
#78
1,2,4-Trimethylbenzene
Concen: 22.539 ug/l
RT: 11.46 min Scan# 3149
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



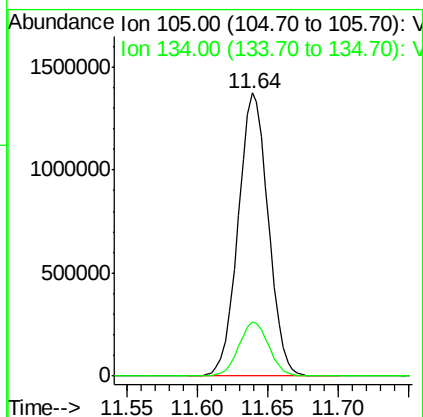
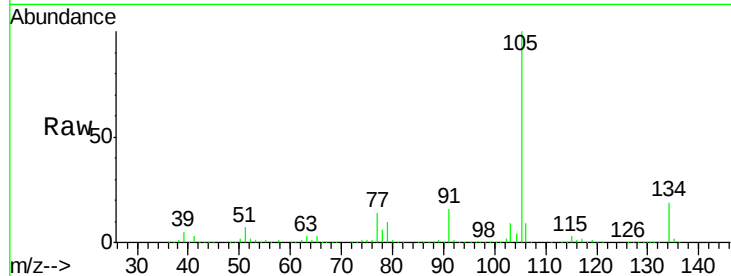


#79
 sec-Butylbenzene
 Concen: 21.993 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

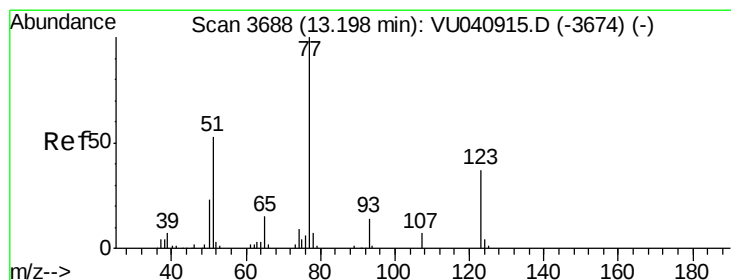
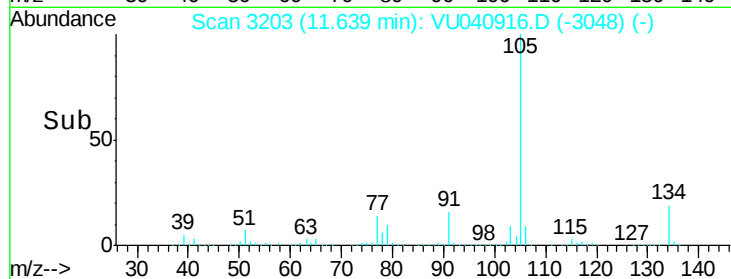
Tot Ion: 105 Resp: 2054036
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.4 23.0

Manual Integrations
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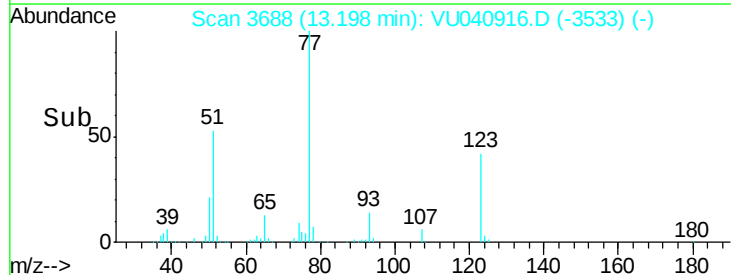
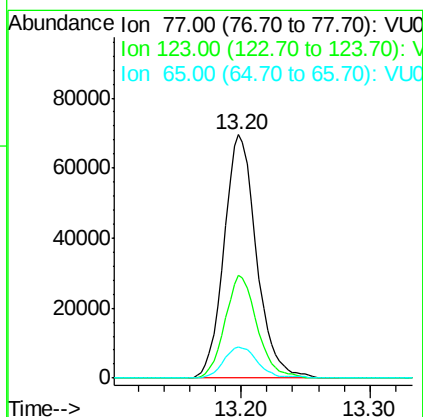
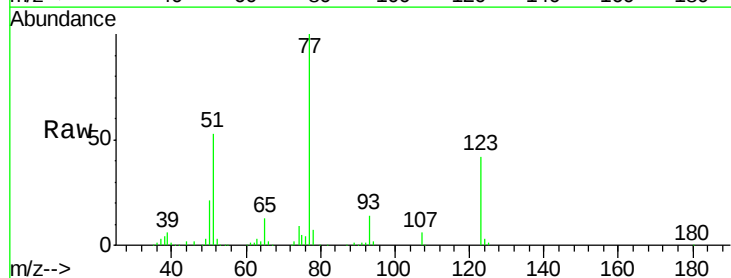
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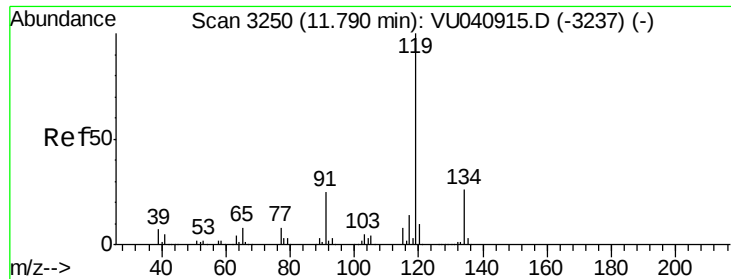
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#80
 Nitrobenzene
 Concen: 141.712 ug/l
 RT: 13.20 min Scan# 3688
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 77 Resp: 120233
 Ion Ratio Lower Upper
 77 100
 123 42.0 16.8 59.4
 65 13.3 11.0 14.0



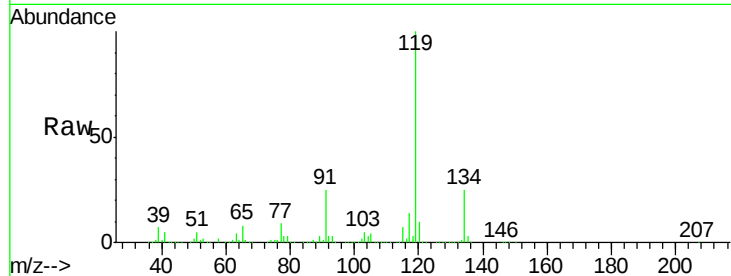


#81
 p-Isopropyltoluene
 Concen: 23.348 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

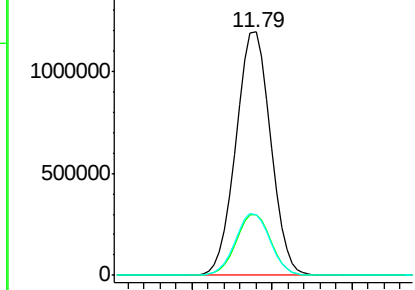
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	25.6	20.4	30.6

Manual Integrations
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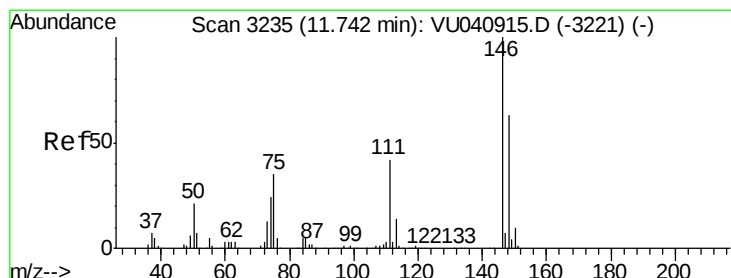
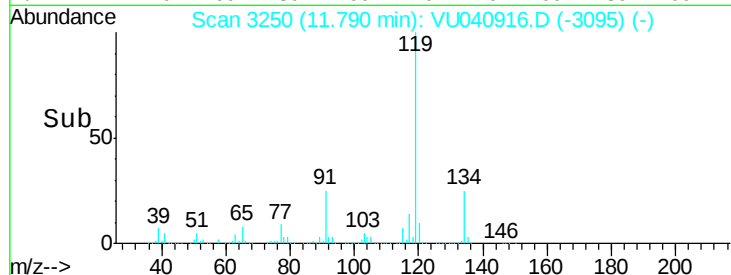


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



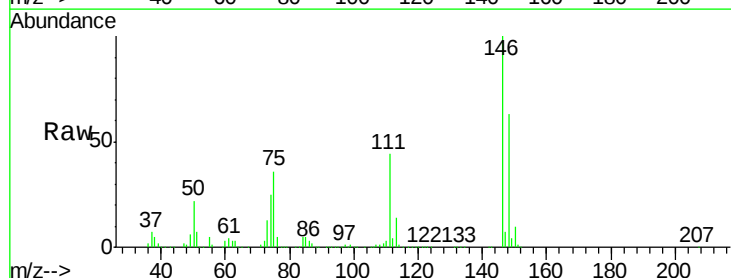
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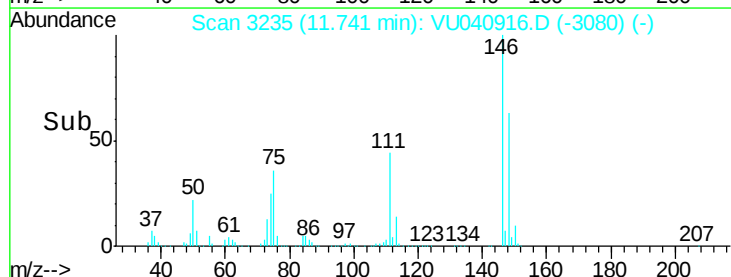
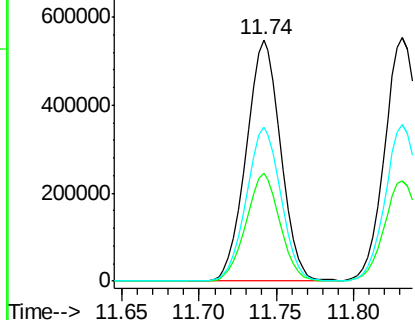


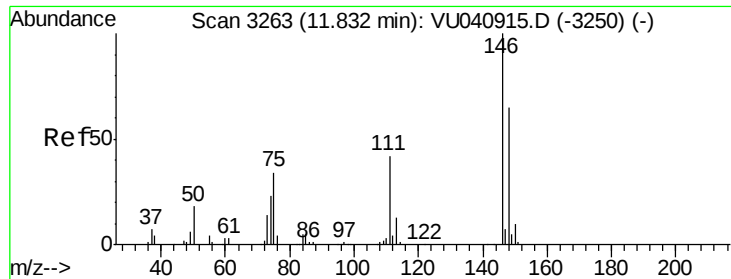
#82
 1,3-Dichlorobenzene
 Concen: 20.672 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	33.6	50.4
148	63.9	50.1	75.1



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



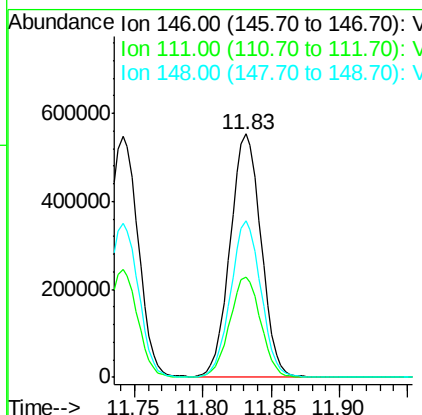
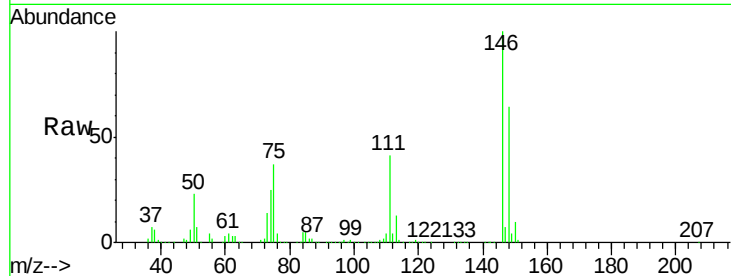


#83
 1,4-Dichlorobenzene
 Concen: 21.269 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

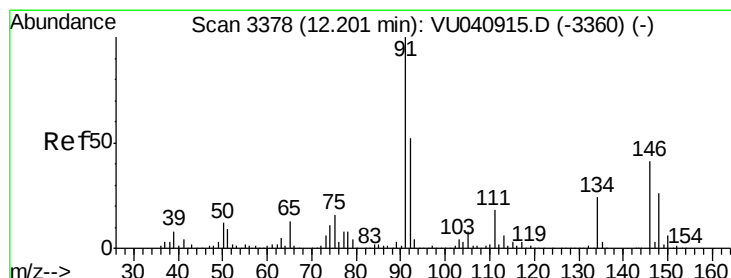
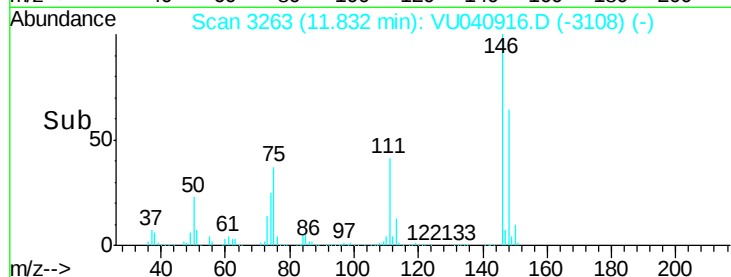
Tot Ion:	146	Resp:	867887
Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.7	50.5
148	63.0	50.6	75.8

Manual Integrations
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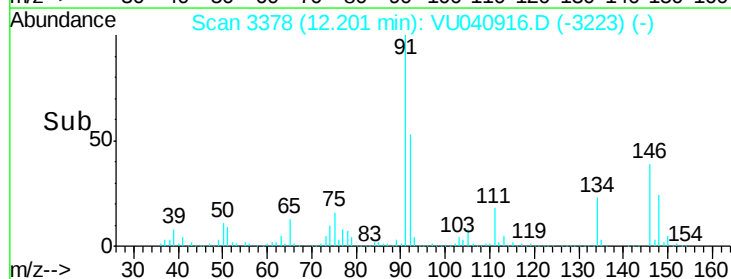
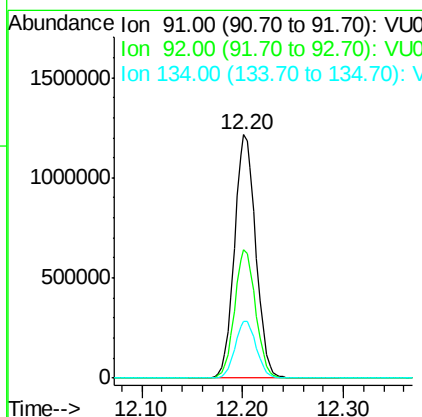
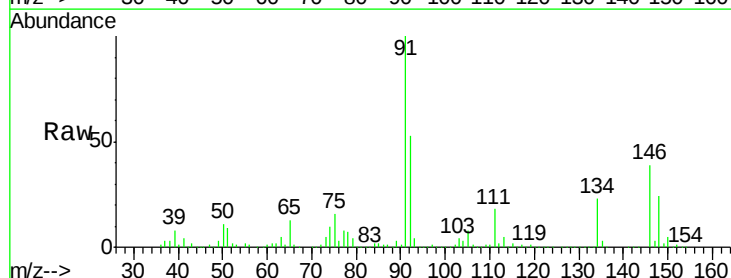
MMDadoda

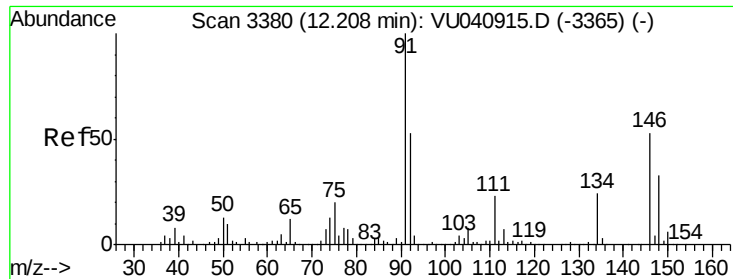
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#84
 n-Butylbenzene
 Concen: 23.434 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion:	91	Resp:	1790836
Ion	Ratio	Lower	Upper
91	100		
92	52.0	41.7	62.5
134	23.3	18.6	28.0



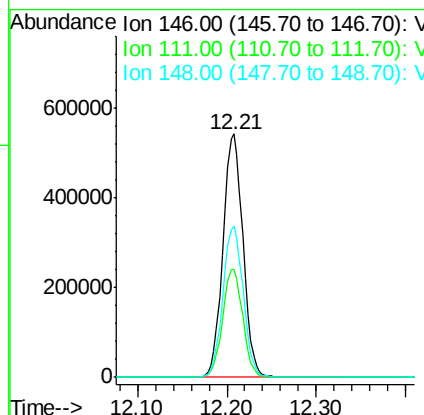
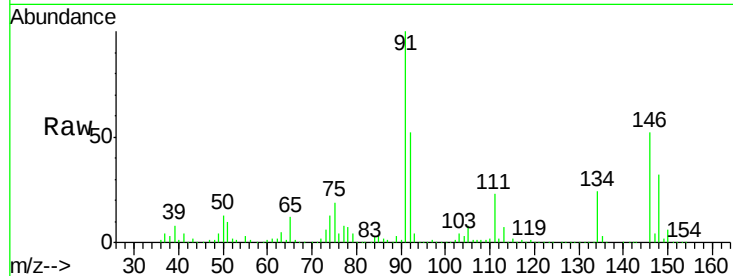


#85
 1,2-Dichlorobenzene
 Concen: 21.399 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

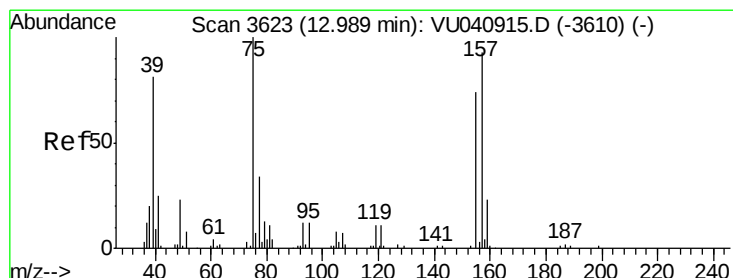
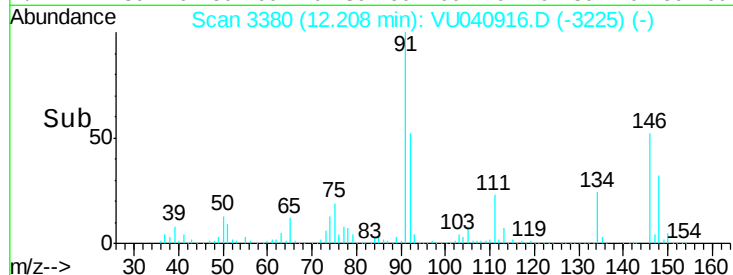
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.3	66.9
148	62.9	31.5	94.5

Manual Integrations
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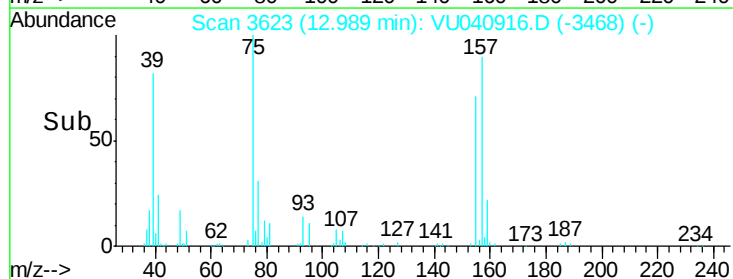
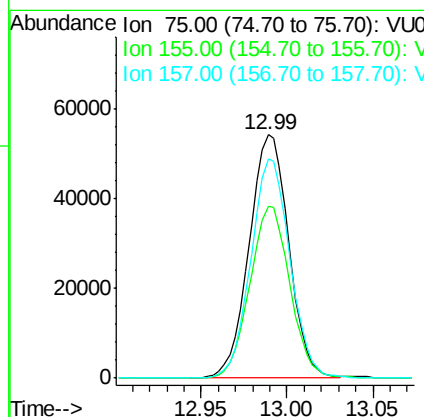
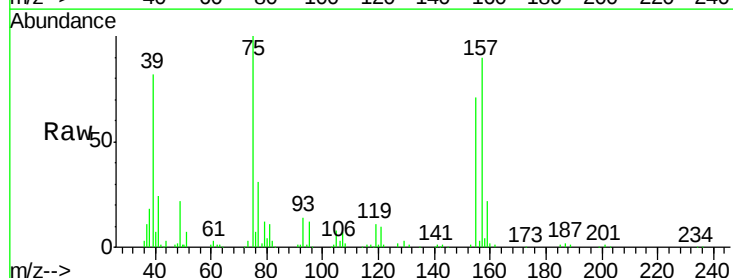
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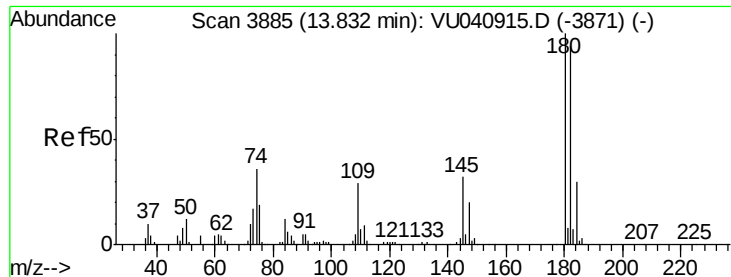
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 23.172 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	57.1	85.7
157	88.9	72.4	108.6





#87

1,2,4-Trichlorobenzene

Concen: 24.556 ug/l

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

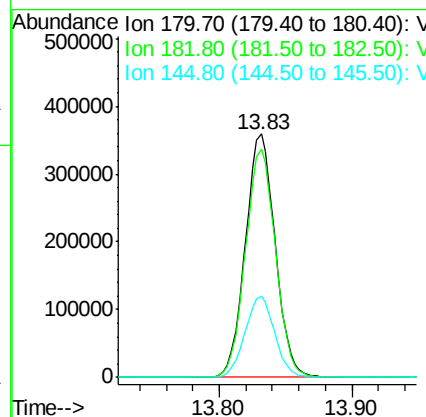
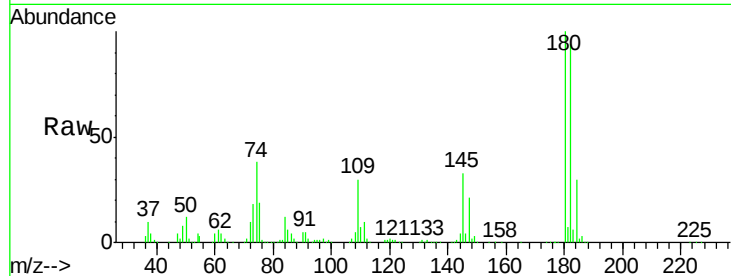
MSVOA_U

ClientSampled :

VSTDIC020

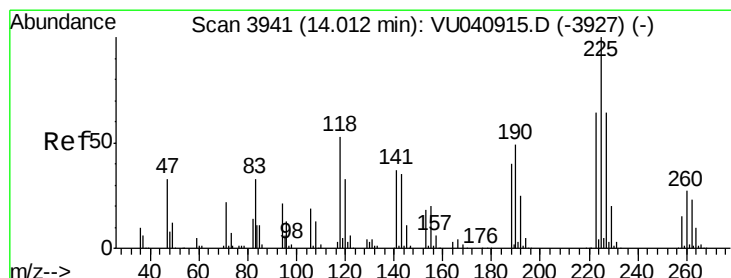
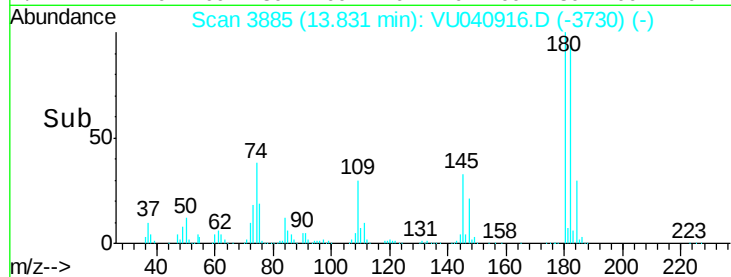
Tot Ion:	180	Resp:	560611
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.4	113.2
145	33.0	25.4	38.0

Manual Integrations
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#88

Hexachlorobutadiene

Concen: 22.939 ug/l

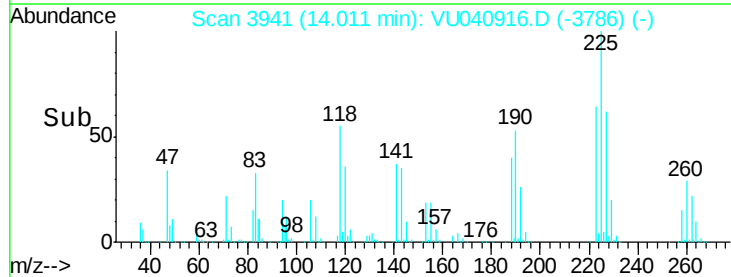
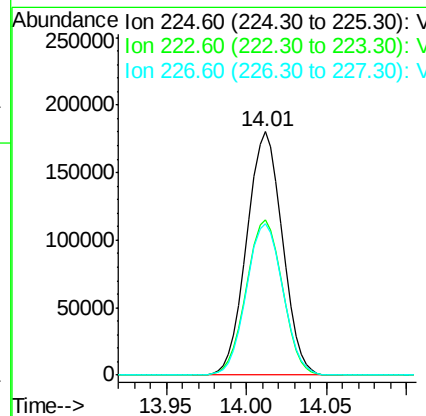
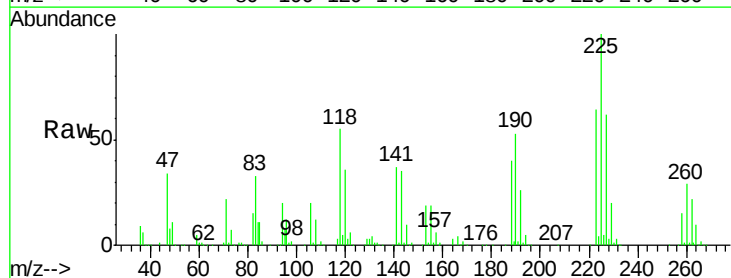
RT: 14.01 min Scan# 3941

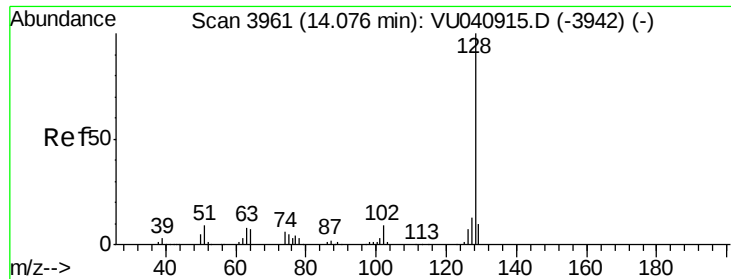
Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Tgt Ion:	225	Resp:	273727
Ion Ratio	Lower	Upper	
225	100		
223	64.8	49.9	74.9
227	63.6	51.1	76.7





#89

Naphthalene

Concen: 28.958 ug/l

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:128 Resp: 1289612

Ion Ratio Lower Upper

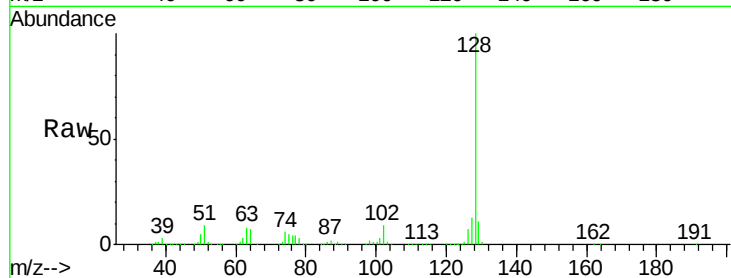
128 100

127 13.3 10.7 16.1

129 10.9 8.6 13.0

Manual Integrations

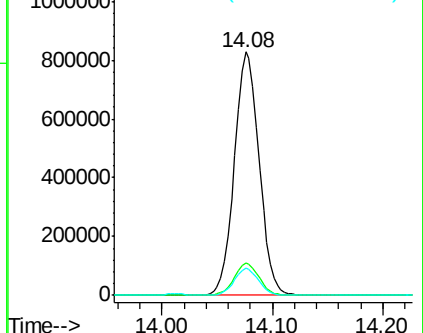
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Abundance Ion 128.00 (127.70 to 128.70): V

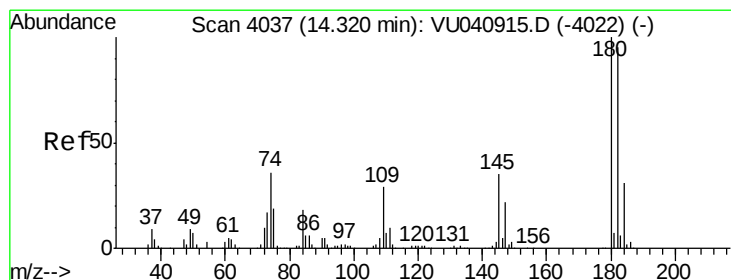
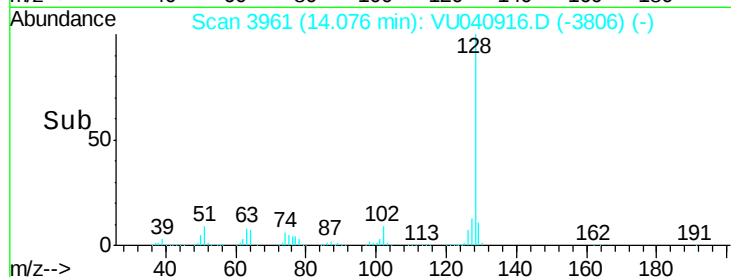
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



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#90

1,2,3-Trichlorobenzene

Concen: 25.018 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

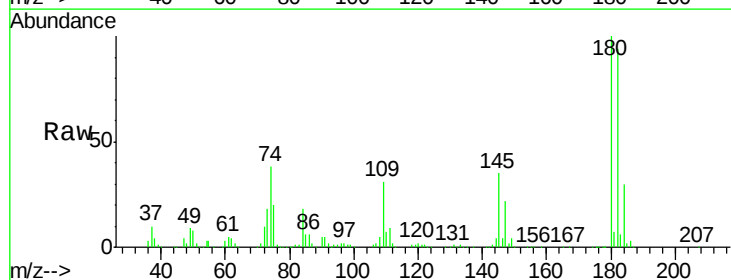
Tgt Ion:180 Resp: 541540

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 34.8 28.0 42.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

