

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040219\
 Data File : VU030616.D
 Acq On : 02 Apr 2019 23:02
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 11:43:57 AM

Quant Time: Apr 03 02:53:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 02:39:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	32886	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13242	1.14	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12605	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	105609	7.937	ug/l	99
3) Chloromethane	1.32	50	152351	9.551	ug/l	98
4) Vinyl Chloride	1.40	62	155606	10.170	ug/l	98
5) Bromomethane	1.63	94	78590	10.981	ug/l	97
6) Chloroethane	1.70	64	90876	10.558	ug/l	98
7) Trichlorofluoromethane	1.88	101	190713	10.822	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	103711	11.717	ug/l	97
9) 1,1-Dichloroethene	2.28	96	107556	12.315	ug/l	98
10) Iodomethane	2.41	142	139604	12.395	ug/l	100
11) Allyl Chloride	2.59	41	230432	12.151	ug/l	95
12) Acrylonitrile	2.93	53	163909	57.162	ug/l	98
13) Acetone	2.32	43	138634	51.490	ug/l	99
14) Carbon Disulfide	2.47	76	380790	11.956	ug/l	99
15) Methylene Chloride	2.69	84	127632	10.717	ug/l	93
16) trans-1,2-Dichloroethene	2.97	96	119366	12.094	ug/l	98
17) 1,1-Dichloroethane	3.44	63	237203	11.609	ug/l	99
18) 2-Butanone	4.28	43	207619	58.559	ug/l	97
19) Cyclohexane	4.99	56	217850m	12.945	ug/l	
20) Methylcyclohexane	6.41	83	178330	12.686	ug/l	98
21) 2,2-Dichloropropane	4.22	77	169440	10.757	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	125439	12.042	ug/l	99
23) Diethyl Ether	2.10	59	95744	10.816	ug/l	98
24) tert-Butyl Alcohol	2.84	59	56139	53.295	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	318698	11.635	ug/l	99
26) Bromochloromethane	4.54	128	47357	10.611	ug/l	96
27) Chloroform	4.67	83	218263	11.394	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	189555	12.067	ug/l	99
29) 1,1-Dichloropropene	5.13	75	166435	12.072	ug/l	99
30) Carbon Tetrachloride	5.13	117	159043	11.639	ug/l	100
31) Isopropyl Ether	3.58	45	426871	12.652	ug/l #	1
34) Propionitrile	4.33	54	121477	138.989	ug/l	99
35) Benzene	5.38	78	503738	12.427	ug/l	100
36) 1,2-Dichloroethane	5.40	62	154237	11.925	ug/l	99
37) Trichloroethene	6.18	130	114415	11.759	ug/l	99
38) 1,2-Dichloropropane	6.43	63	136525	11.692	ug/l	97
39) Methacrylonitrile	4.55	41	52016	11.958	ug/l	98
40) Methyl acrylate	4.42	55	72766	11.154	ug/l #	90
41) Tetrahydrofuran	4.65	42	143201	60.940	ug/l	98
42) 1-Chlorobutane	5.06	56	254069	12.033	ug/l	95
43) Dibromomethane	6.56	93	66653	12.364	ug/l	98
44) Bromodichloromethane	6.75	83	171508	12.094	ug/l	99

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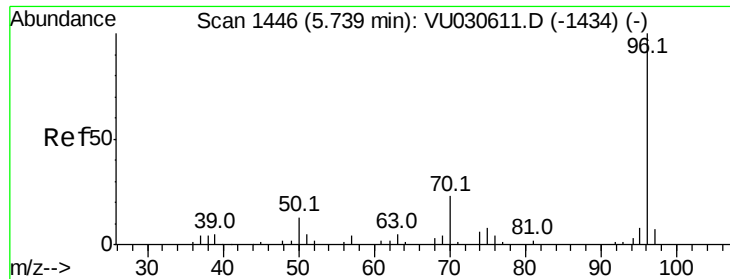
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.46	43	488392	62.199	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	31915m	11.913	ug/l	
47) Methyl methacrylate	6.62	69	65758	13.287	ug/l	96
48) Ethyl methacrylate	8.02	69	128192	13.910	ug/l	98
49) Toluene	7.63	92	288428	13.084	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	162673	13.358	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	185525	12.620	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	93778	12.152	ug/l	97
53) 1,3-Dichloropropane	8.24	76	169027	12.444	ug/l	99
54) 2-Hexanone	8.36	43	337556	64.853	ug/l	100
55) Dibromochloromethane	8.47	129	106523	12.228	ug/l	98
56) 1,2-Dibromoethane	8.58	107	87967	12.659	ug/l	98
58) Tetrachloroethene	8.22	164	105878	12.361	ug/l	99
59) Chlorobenzene	9.12	112	290690	12.105	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	109005	11.976	ug/l	100
61) Pentachloroethane	11.10	117	85683	12.273	ug/l	99
62) Hexachloroethane	12.14	117	81483	12.337	ug/l	98
63) Ethyl Benzene	9.25	91	546644	13.620	ug/l	98
64) m/p-Xylenes	9.37	106	396574	27.392	ug/l	99
65) o-Xylene	9.77	106	186848	13.172	ug/l	98
66) Styrene	9.79	104	337746	13.817	ug/l	98
67) Bromoform	9.95	173	61475	12.389	ug/l	98
69) Isopropylbenzene	10.16	105	523917	13.831	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	123138	12.059	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	96149m	12.462	ug/l	
72) Bromobenzene	10.45	156	120579	12.759	ug/l	99
73) n-propylbenzene	10.58	120	133476	13.242	ug/l	98
74) 2-Chlorotoluene	10.66	126	116306	12.752	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	441353	13.776	ug/l	99
76) 4-Chlorotoluene	10.77	126	119323	12.763	ug/l	96
77) tert-Butylbenzene	11.10	119	400405	12.871	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	441030	13.519	ug/l	99
79) sec-Butylbenzene	11.32	105	515189	12.145	ug/l	100
80) Nitrobenzene	12.87	77	3300m	11.872	ug/l	
81) p-Isopropyltoluene	11.47	119	450667	13.577	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	221537	11.841	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	225337	12.202	ug/l	100
84) n-Butylbenzene	11.89	91	451970	13.423	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	207159	11.655	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	19423	12.254	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	141511	13.417	ug/l	98
88) Hexachlorobutadiene	13.69	225	77477	12.322	ug/l	98
89) Naphthalene	13.74	128	253563	11.197	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	133179	12.711	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030616.D

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MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion: 96 Resp: 32886

Ion Ratio Lower Upper

96 100

70 21.5 18.5 27.7

95 10.5 0.0 0.0#

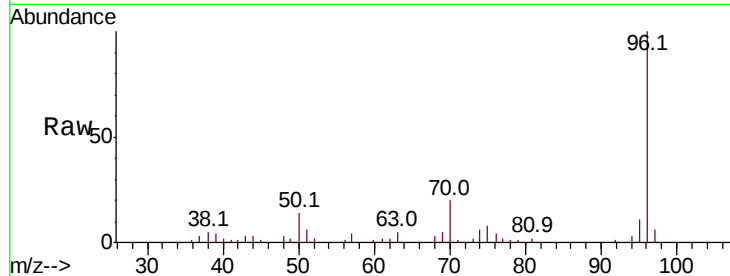
97 0.0 0.0 0.0

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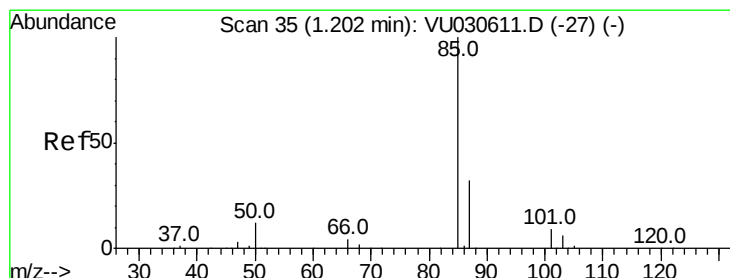
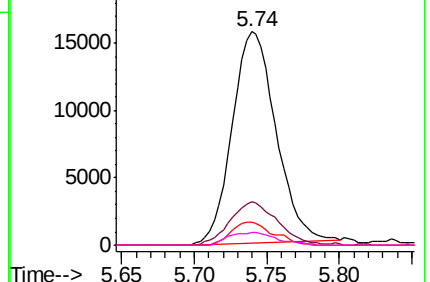
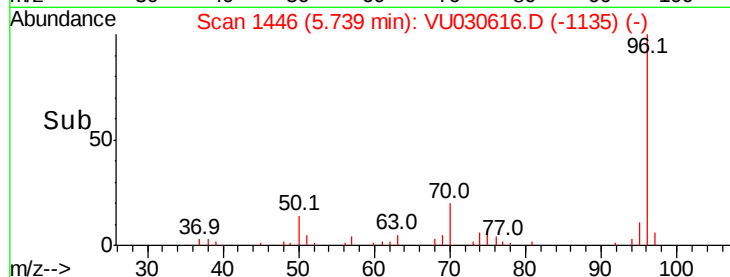


Abundance Ion 96.00 (95.70 to 96.70): VU030611.D (-1434) (-)

Ion 70.00 (69.70 to 70.70): VU030611.D (-1434) (-)

Ion 95.00 (94.70 to 95.70): VU030611.D (-1434) (-)

Ion 97.00 (96.70 to 97.70): VU030611.D (-1434) (-)



#2

Dichlorodifluoromethane

Concen: 7.937 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030616.D

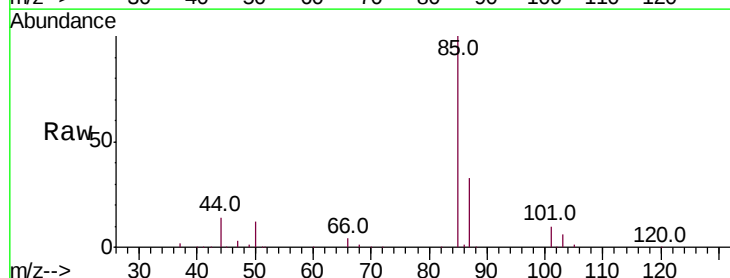
Acq: 02 Apr 2019 23:02

Tgt Ion: 85 Resp: 105609

Ion Ratio Lower Upper

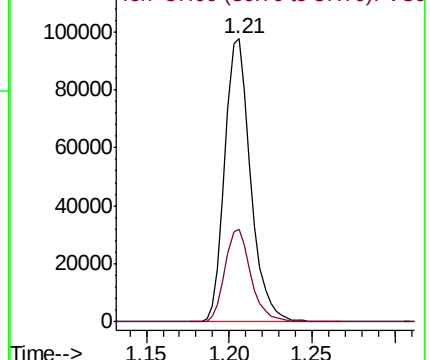
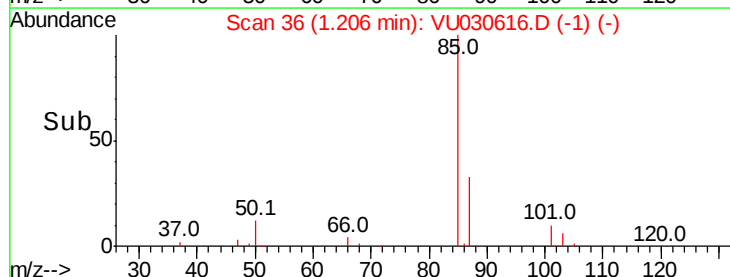
85 100

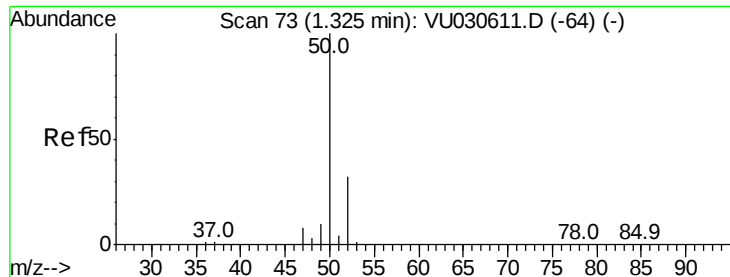
87 32.6 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU030611.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030611.D (-27) (-)





#3

Chloromethane

Concen: 9.551 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion: 50 Resp: 152351

Ion Ratio Lower Upper

50 100

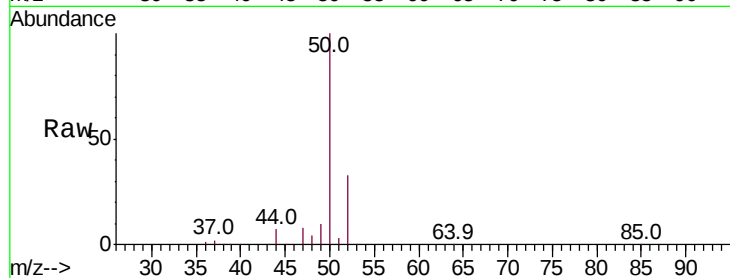
52 33.0 25.5 38.3

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Abundance Ion 50.00 (49.70 to 50.70): VU030616.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU030616.D (-64) (-)

1.32

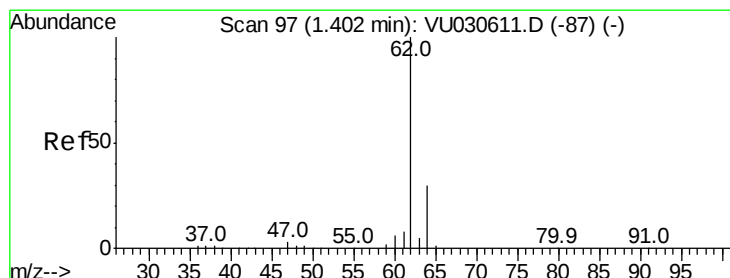
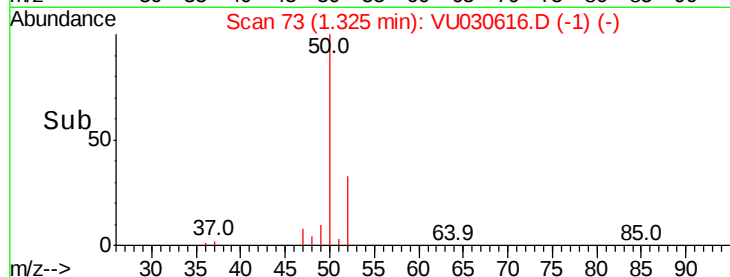
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 10.170 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030616.D

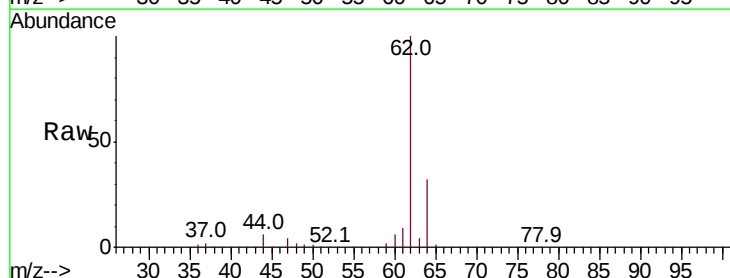
Acq: 02 Apr 2019 23:02

Tgt Ion: 62 Resp: 155606

Ion Ratio Lower Upper

62 100

64 31.4 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU030616.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU030616.D (-87) (-)

1.40

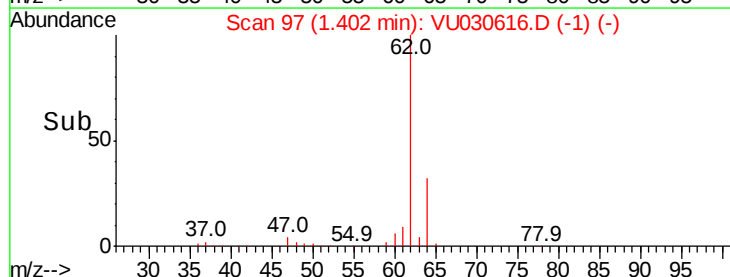
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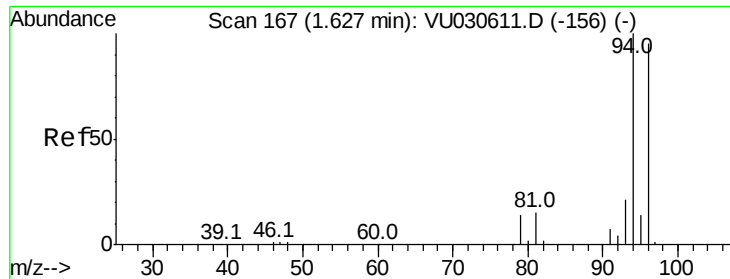
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Time-->





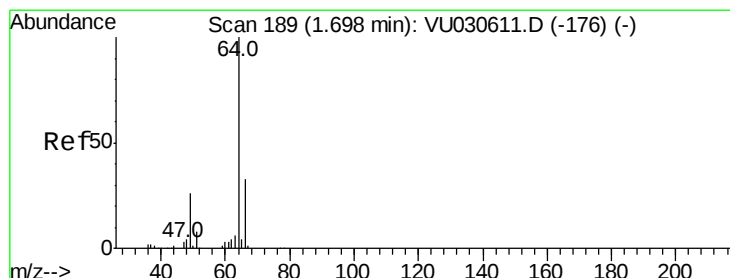
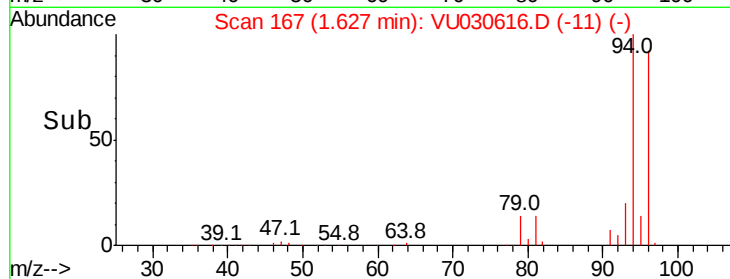
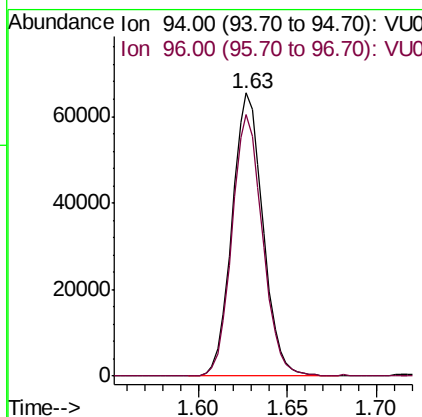
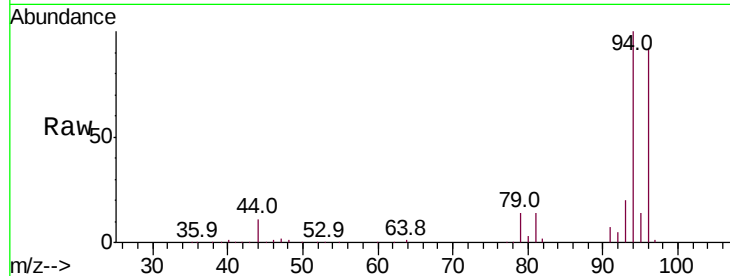
#5
Bromomethane
Concen: 10.981 ug/l
RT: 1.63 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	94	96	Ratio	100	92.3	Resp	78590	Lower	Upper
Ion	94	96	Ratio	100	92.3	Resp	78590	Lower	Upper
								75.9	113.9

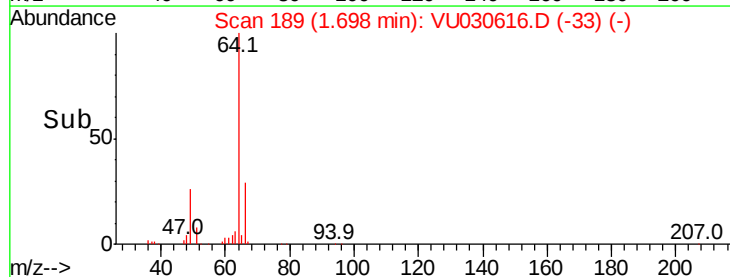
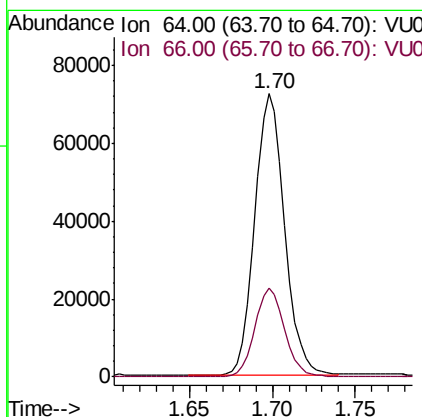
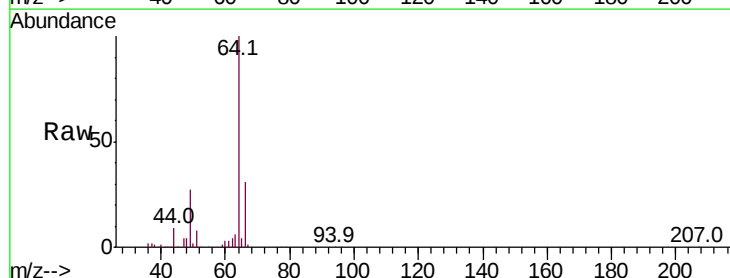
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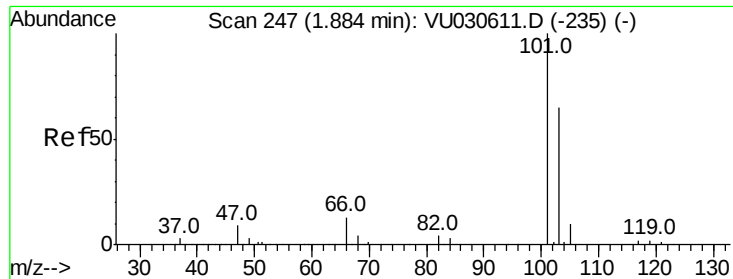
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#6
Chloroethane
Concen: 10.558 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	64	66	Ratio	100	31.4	Resp	90876	Lower	Upper
Ion	64	66	Ratio	100	31.4	Resp	90876	Lower	Upper
								26.2	39.2





#7

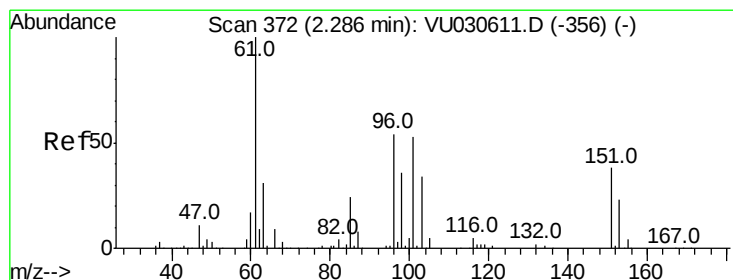
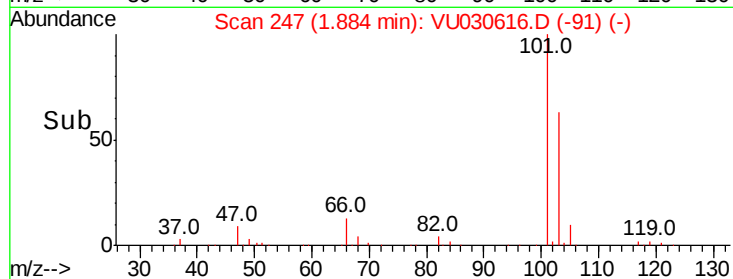
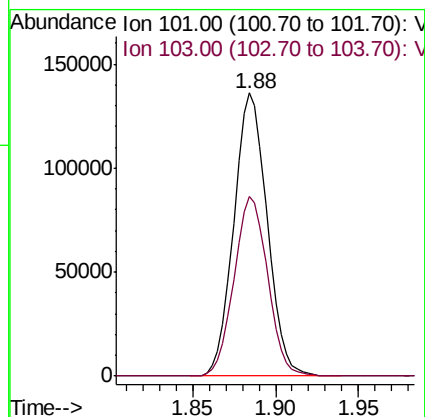
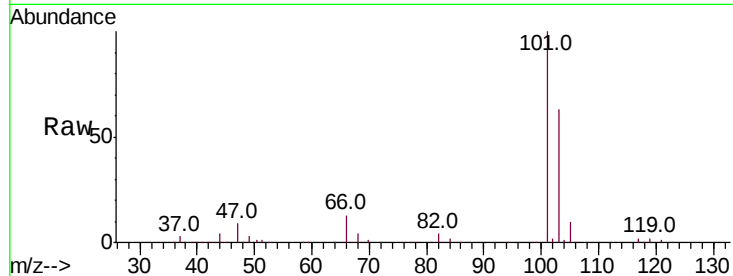
Trichlorofluoromethane
 Concen: 10.822 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030616.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		190713		
103	63.3	51.8	77.6		

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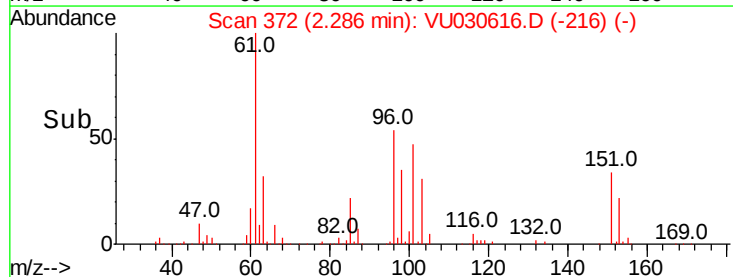
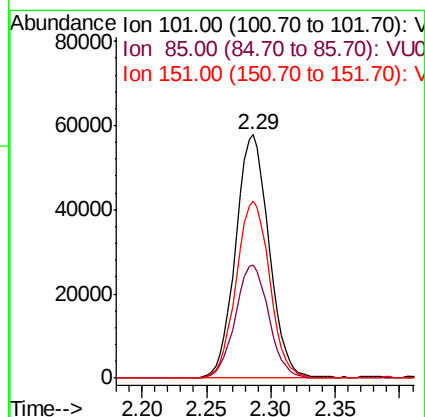
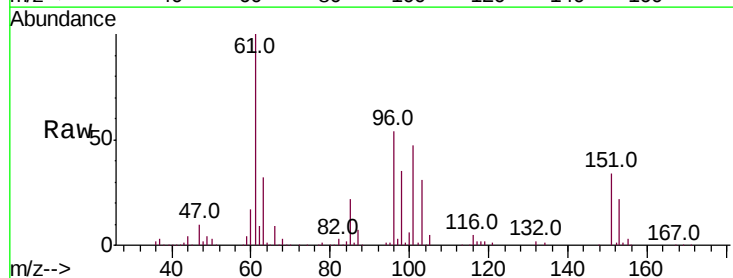
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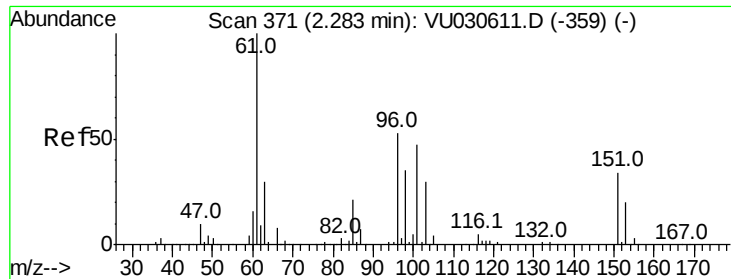


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.717 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		103711		
85	46.8	36.5	54.7		
151	72.9	55.7	83.5		





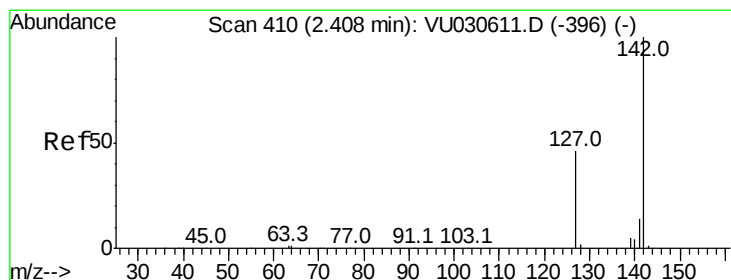
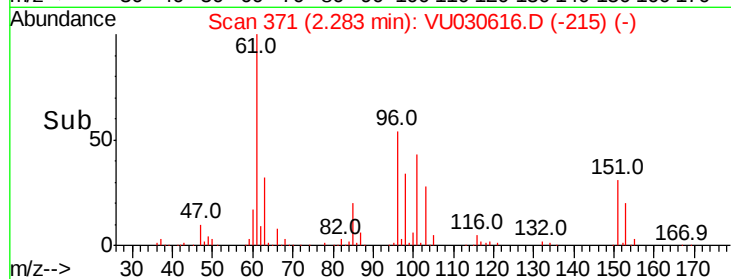
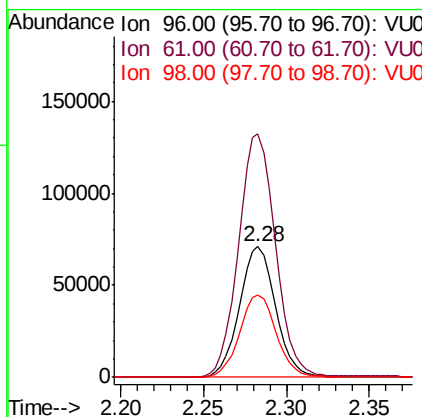
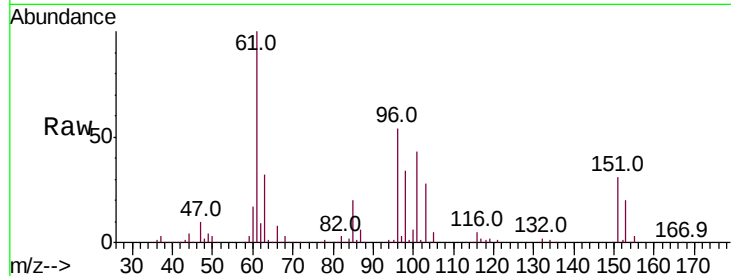
#9
 1,1-Dichloroethene
 Concen: 12.315 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
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 ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	186.6	0.0	564.0	
98	63.4	0.0	132.2	

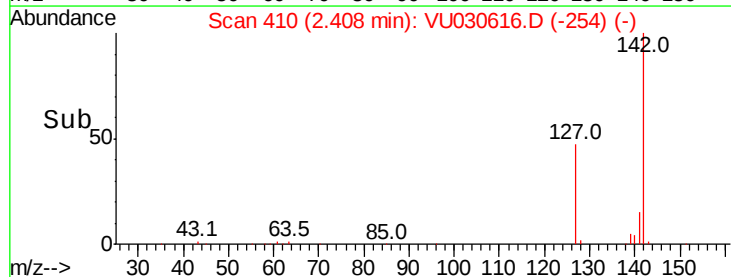
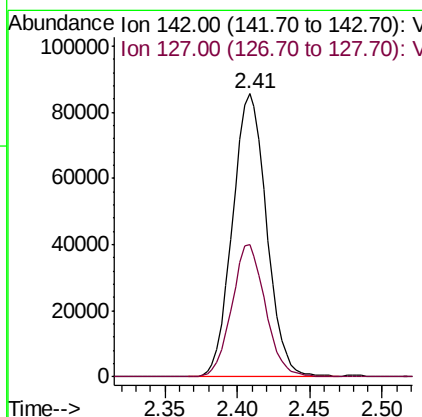
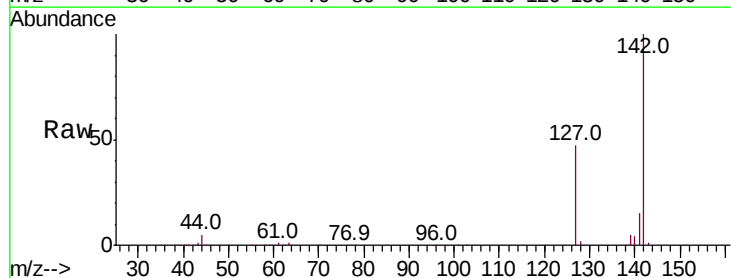
Manual Integrations
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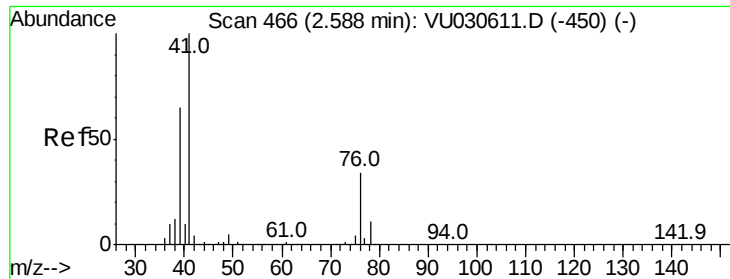
MMDadoda
 4/3/2019 11:43:57 AM



#10
 Iodomethane
 Concen: 12.395 ug/l
 RT: 2.41 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
127	46.0	36.9	55.3	





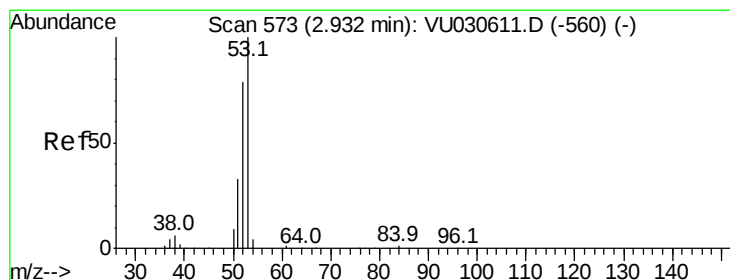
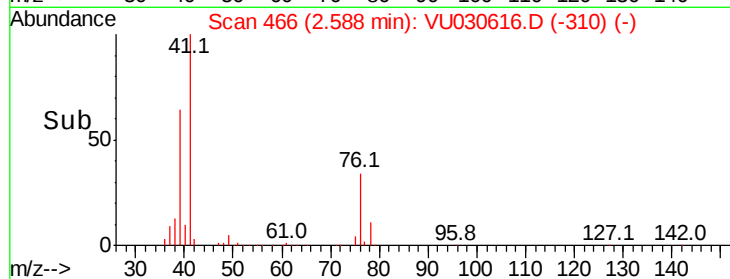
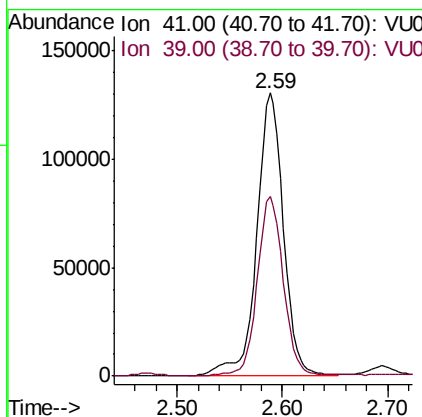
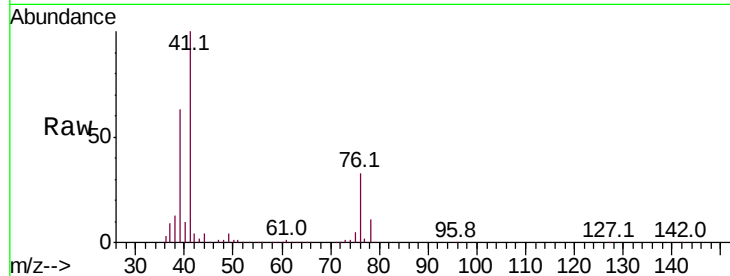
#11
Allvl Chloride
Concen: 12.151 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.6	52.2	78.4

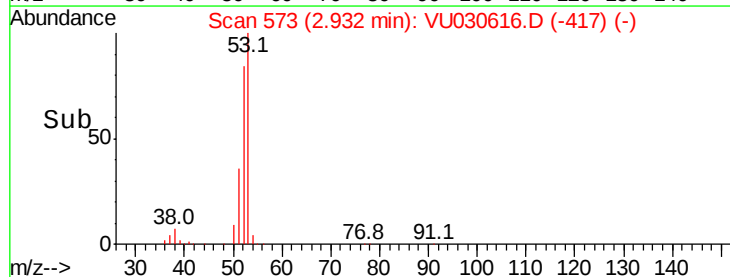
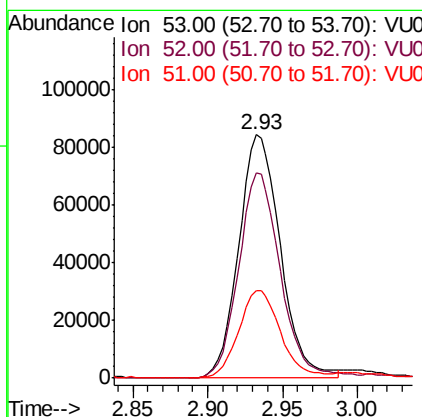
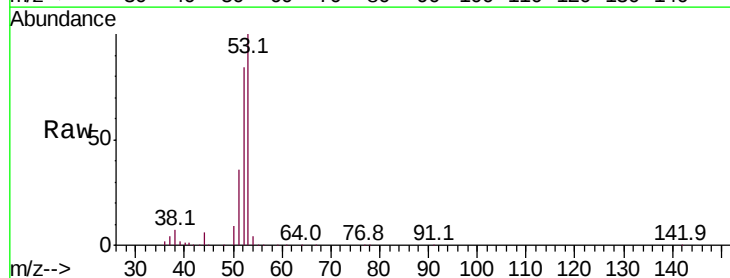
Manual Integrations
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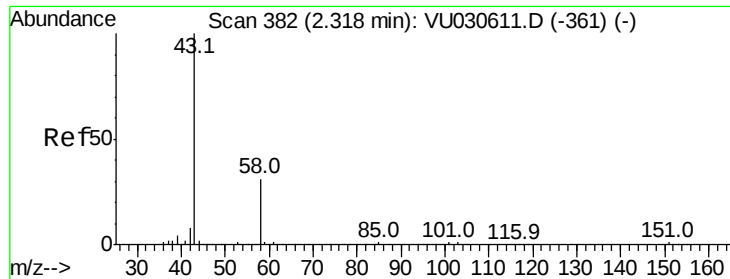
MMDadoda
4/3/2019 11:43:57 AM



#12
Acrylonitrile
Concen: 57.162 ug/l
RT: 2.93 min Scan# 573
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.2	99.2
51	35.8	27.3	40.9





#13

Acetone

Concen: 51.490 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion: 43 Resp: 138634

Ion Ratio Lower Upper

43 100

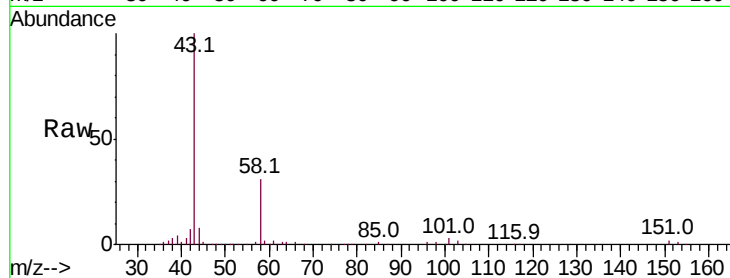
58 31.4 24.7 37.1

Manual Integrations

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4/3/2019 11:43:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VU030616.D (-226) (-)

Ion 58.00 (57.70 to 58.70): VU030616.D (-226) (-)

80000

60000

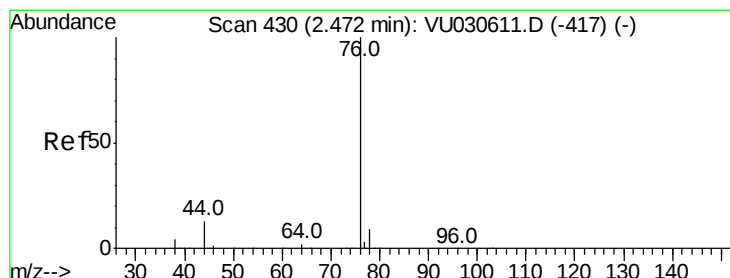
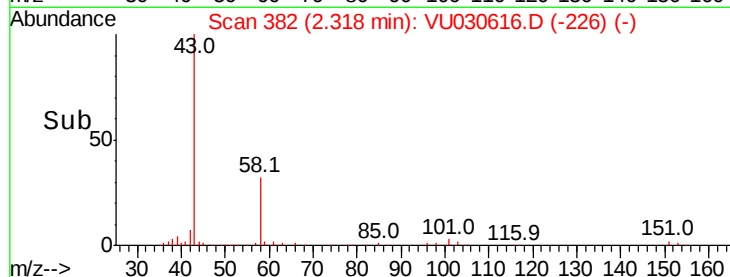
40000

20000

0

2.20 2.30 2.40

Time-->



#14

Carbon Disulfide

Concen: 11.956 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030616.D

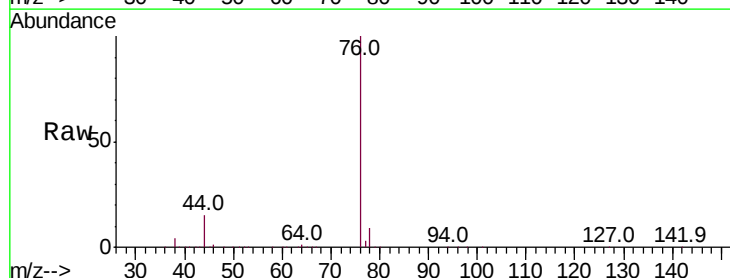
Acq: 02 Apr 2019 23:02

Tgt Ion: 76 Resp: 380790

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU030616.D (-274) (-)

Ion 78.00 (77.70 to 78.70): VU030616.D (-274) (-)

250000

200000

150000

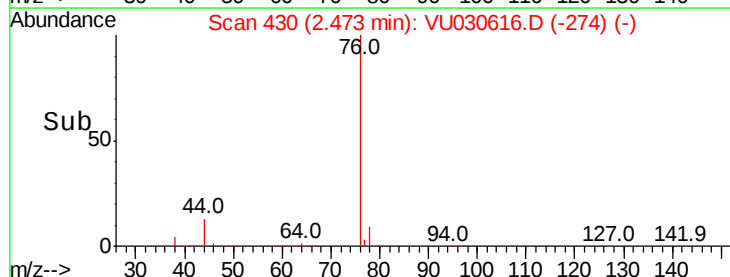
100000

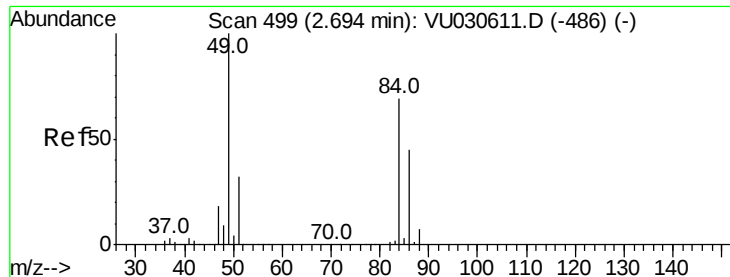
50000

0

2.40 2.45 2.50 2.55

Time-->





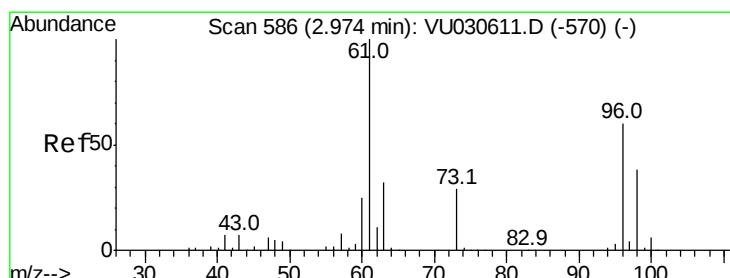
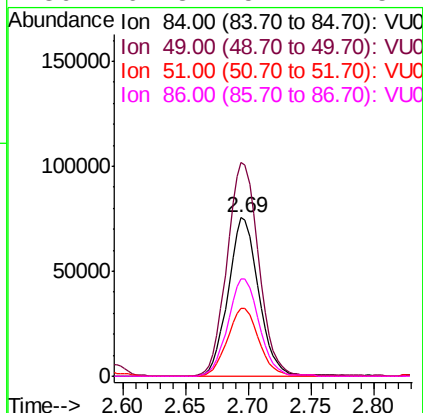
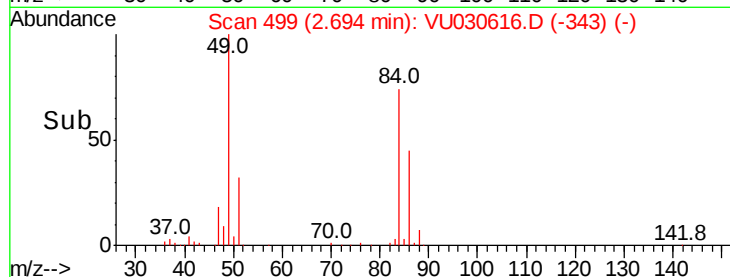
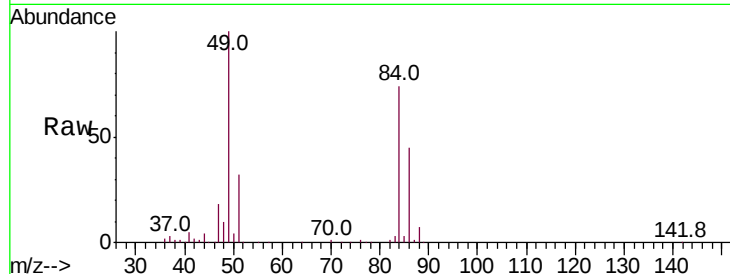
#15
Methvlene Chloride
Concen: 10.717 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
84	100		
49	134.7	115.4	173.2
51	43.0	0.0	93.4
86	61.3	52.2	78.4

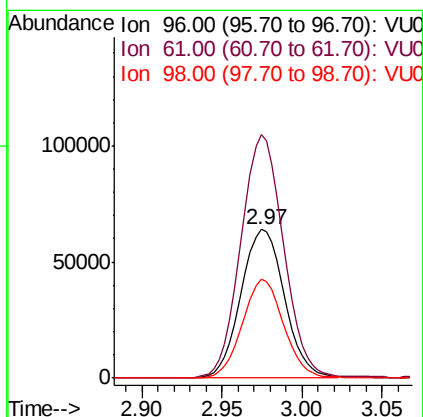
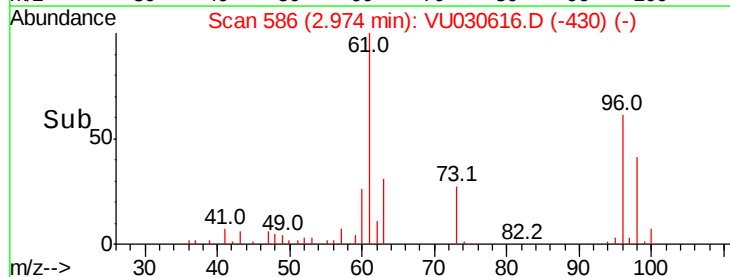
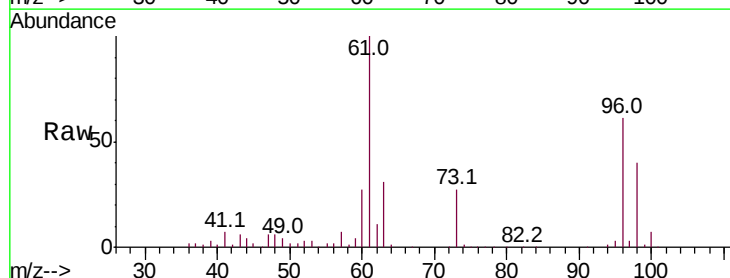
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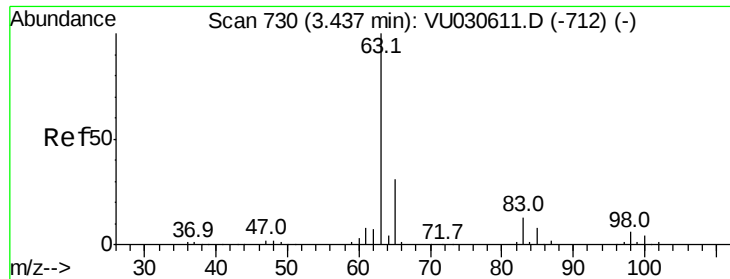
MMDadoda
4/3/2019 11:43:57 AM



#16
trans-1,2-Dichloroethene
Concen: 12.094 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	132.2	198.4
98	66.4	50.2	75.4





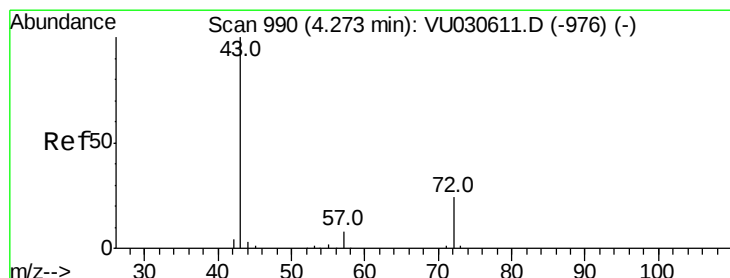
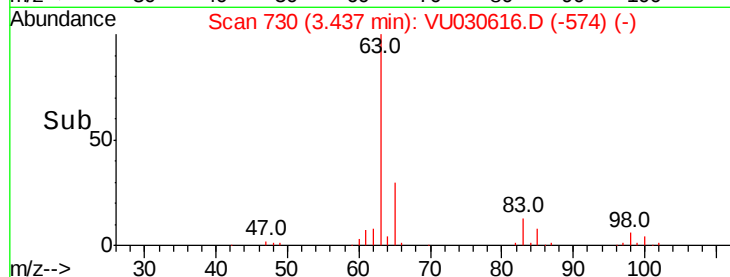
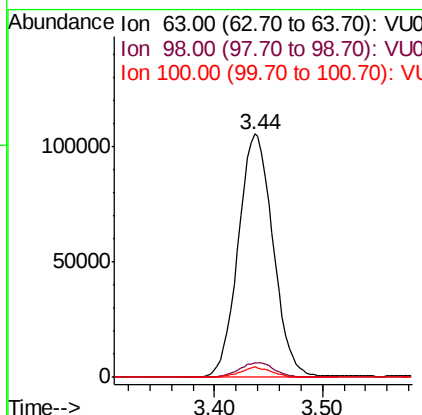
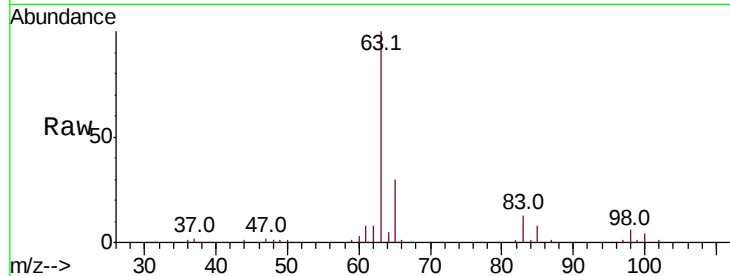
#17
 1,1-Dichloroethane
 Concen: 11.609 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.0
100	4.2	2.0	5.8

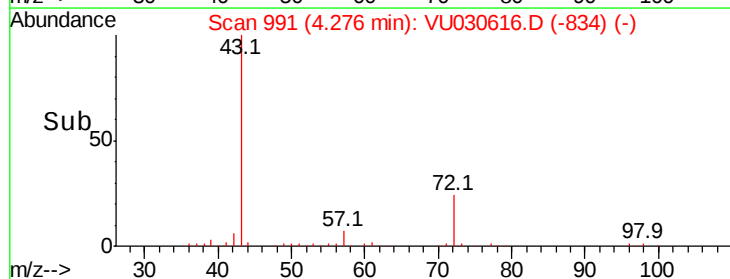
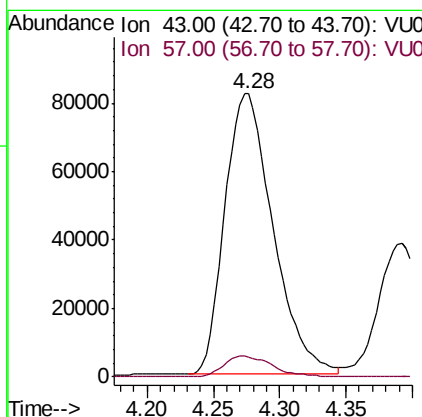
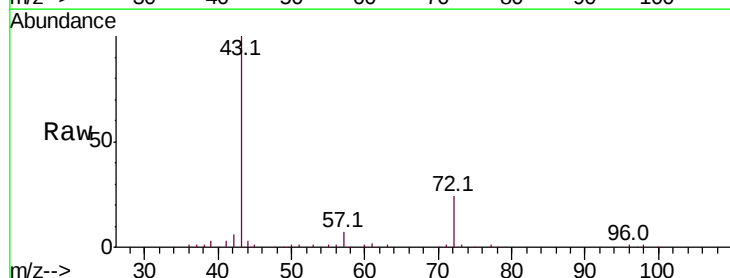
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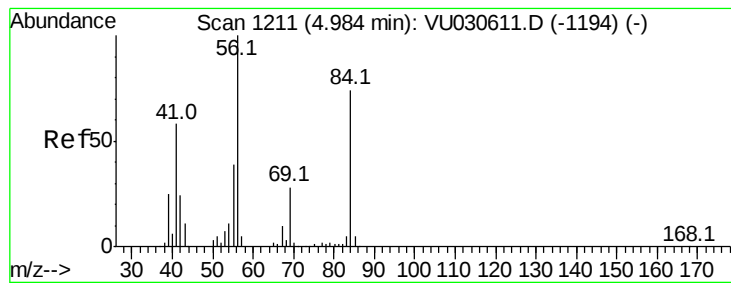
MMDadoda
 4/3/2019 11:43:57 AM



#18
 2-Butanone
 Concen: 58.559 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.0	0.0	16.4





#19

Cyclohexane

Concen: 12.945 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion: 56 Resp: 217850

Ion Ratio Lower Upper

56 100

69 27.7 22.1 33.1

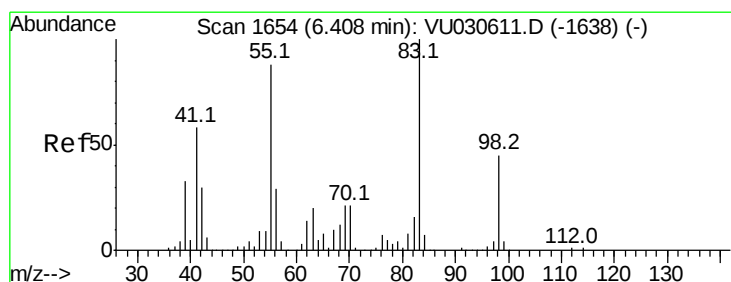
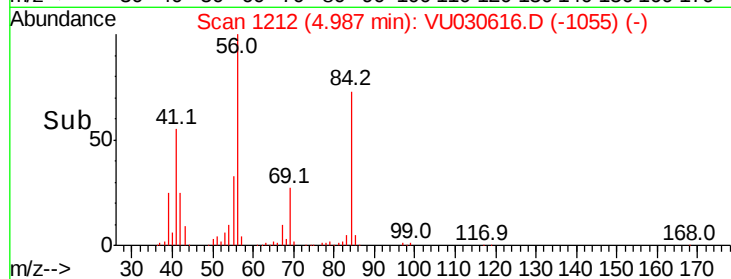
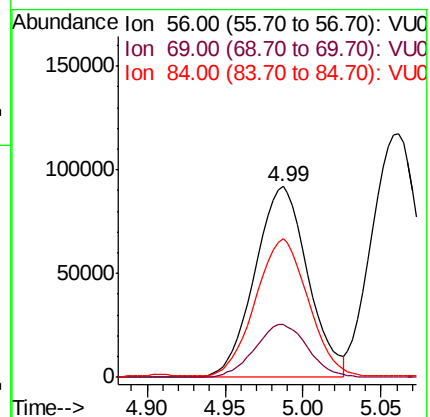
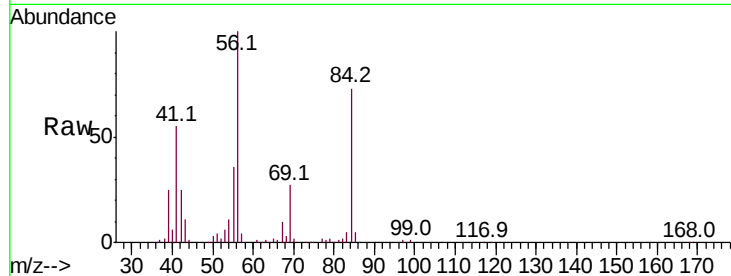
84 71.4 58.1 87.1

Manual Integrations

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4/3/2019 11:43:57 AM



#20

Methylcyclohexane

Concen: 12.686 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

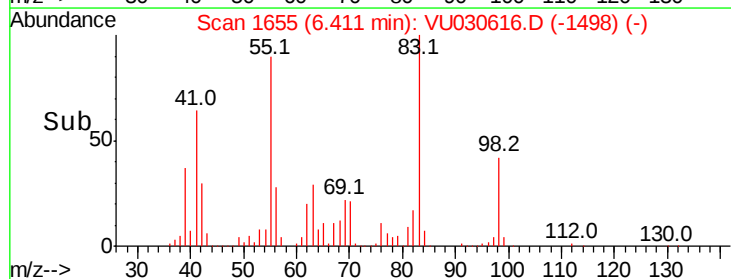
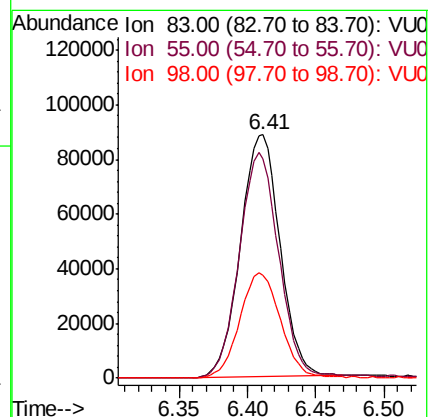
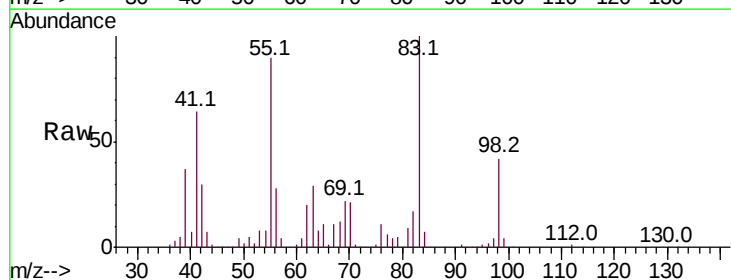
Tgt Ion: 83 Resp: 178330

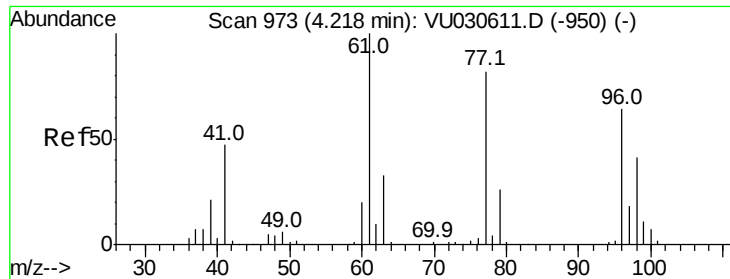
Ion Ratio Lower Upper

83 100

55 92.7 71.8 107.8

98 44.4 35.5 53.3





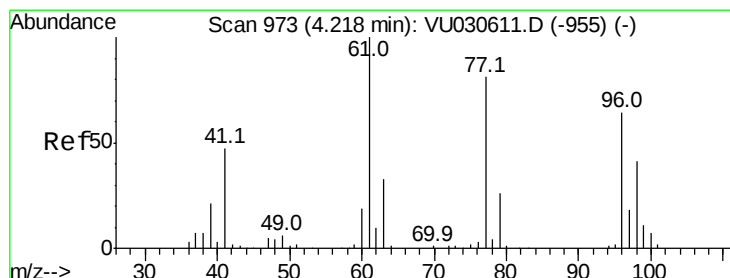
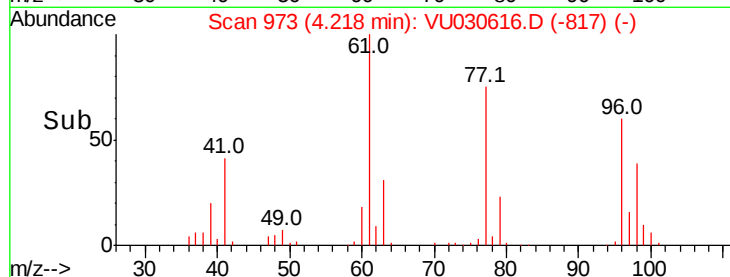
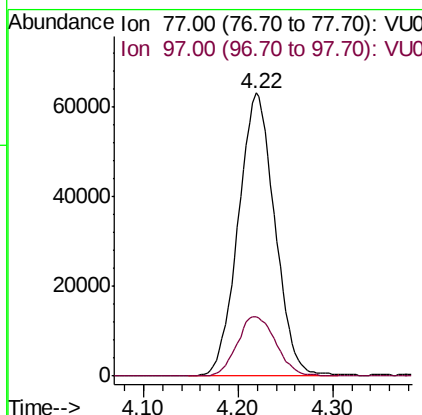
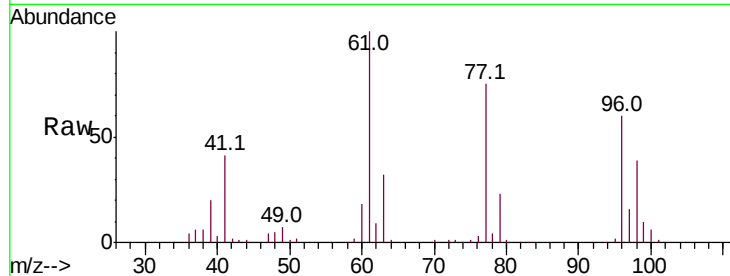
#21
2,2-Dichloropropane
Concen: 10.757 ug/l
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion: 77 Resp: 169440
Ion Ratio Lower Upper
77 100
97 22.3 17.4 26.0

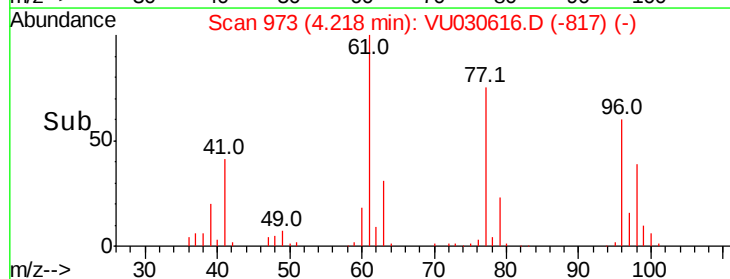
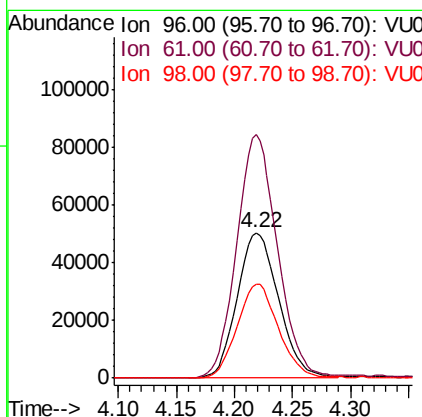
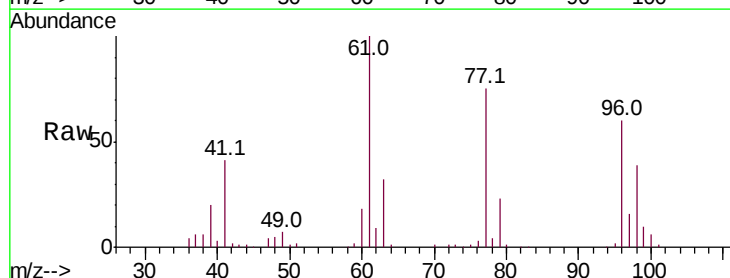
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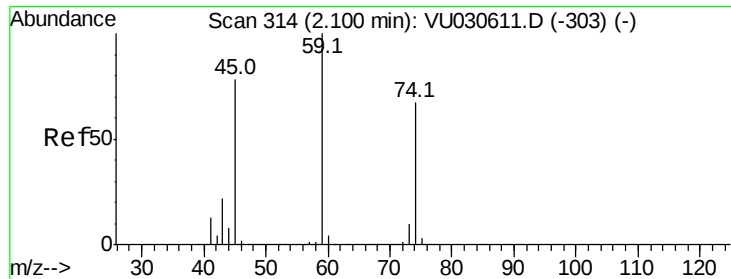
MMDadoda
4/3/2019 11:43:57 AM



#22
cis-1,2-Dichloroethene
Concen: 12.042 ug/l
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion: 96 Resp: 125439
Ion Ratio Lower Upper
96 100
61 164.1 0.0 406.0
98 64.8 31.7 95.1





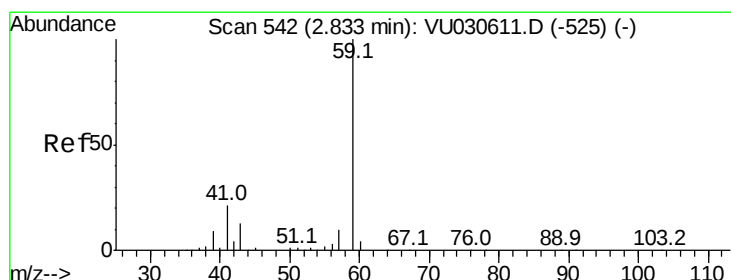
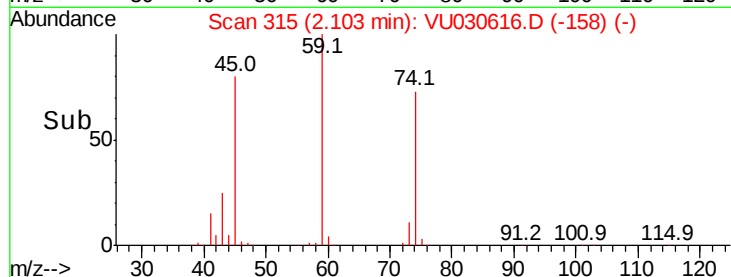
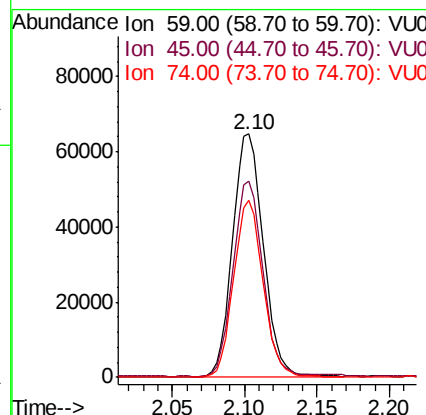
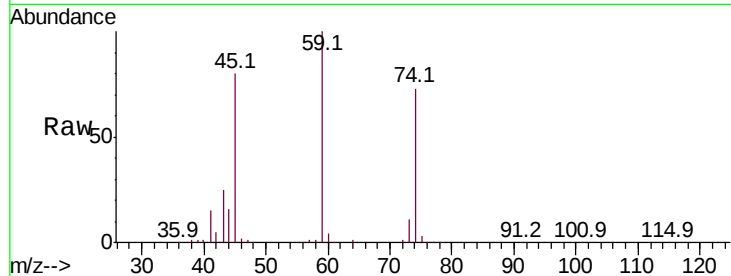
#23
Diethyl Ether
Concen: 10.816 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion: 59 Resp: 95744
Ion Ratio Lower Upper
59 100
45 77.3 62.7 94.1
74 69.4 54.3 81.5

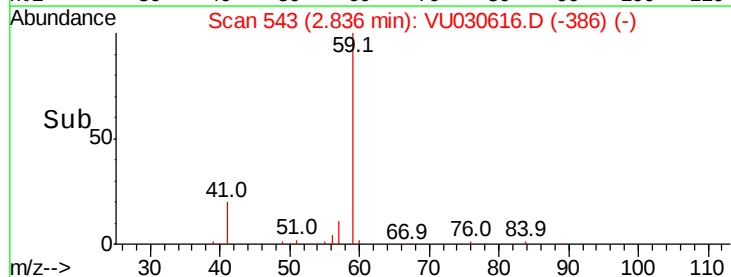
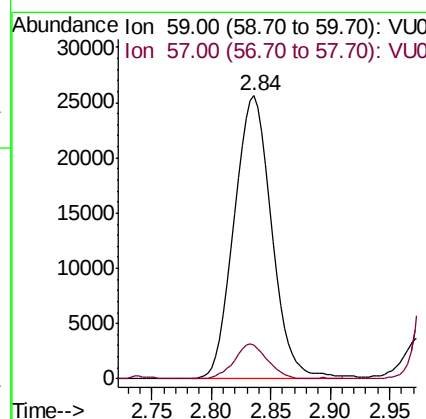
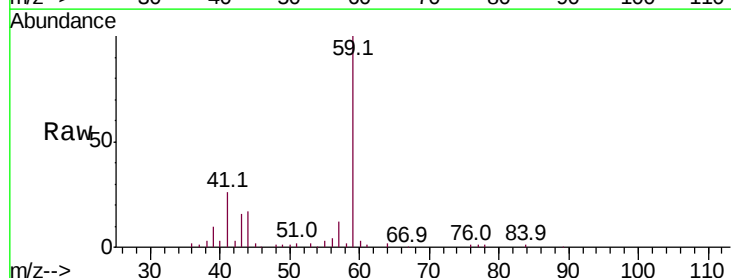
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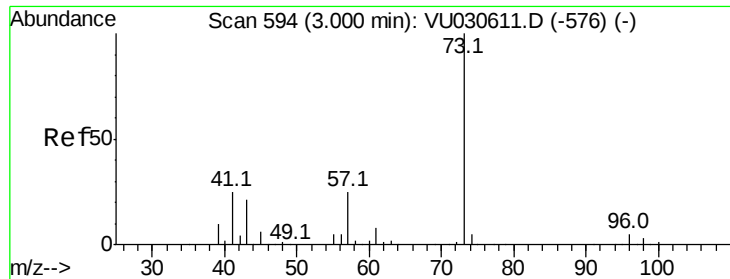
MMDadoda
4/3/2019 11:43:57 AM



#24
tert-Butyl Alcohol
Concen: 53.295 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion: 59 Resp: 56139
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4





#25

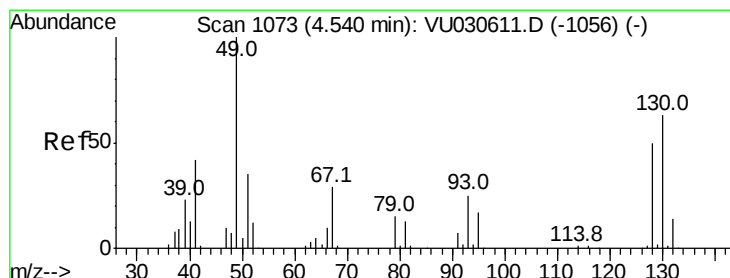
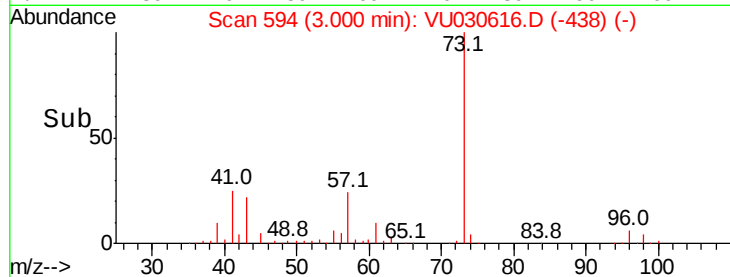
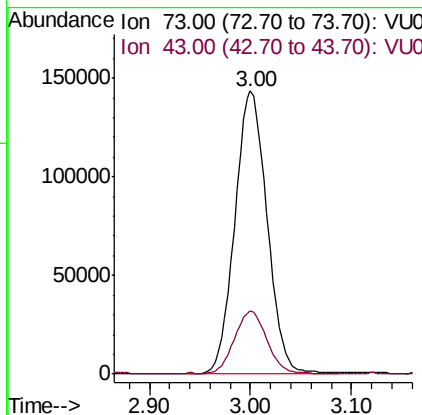
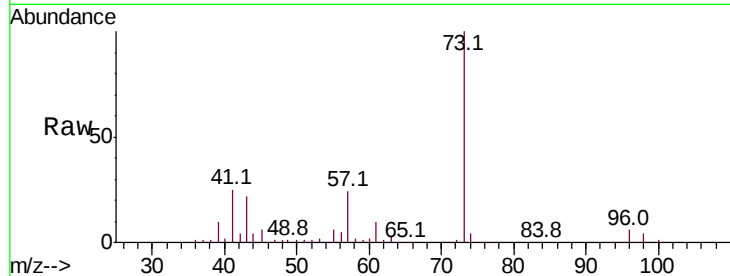
Methyl tert-Butyl Ether
 Concen: 11.635 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.0	25.6

Manual Integrations
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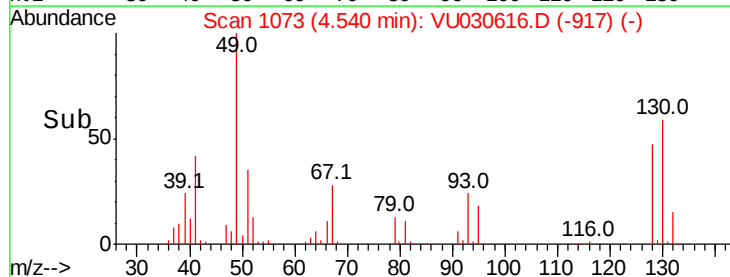
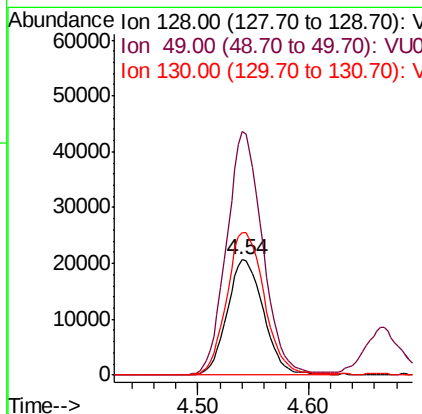
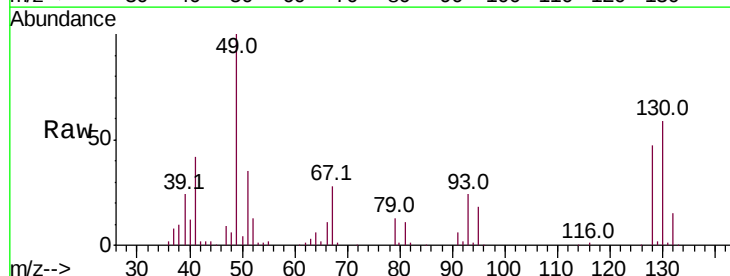
MMDadoda
 4/3/2019 11:43:57 AM

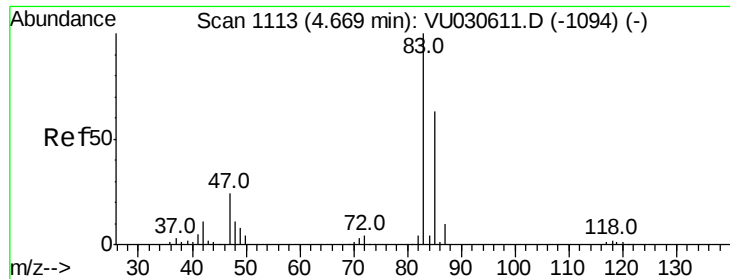


#26

Bromochloromethane
 Concen: 10.611 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
128	100		
49	209.8	0.0	404.8
130	127.9	100.2	150.2





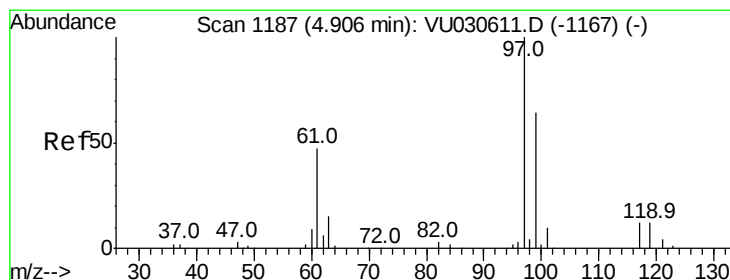
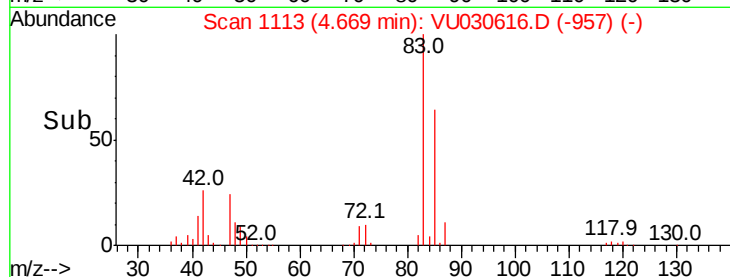
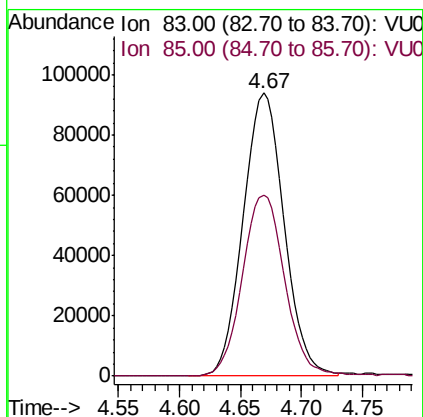
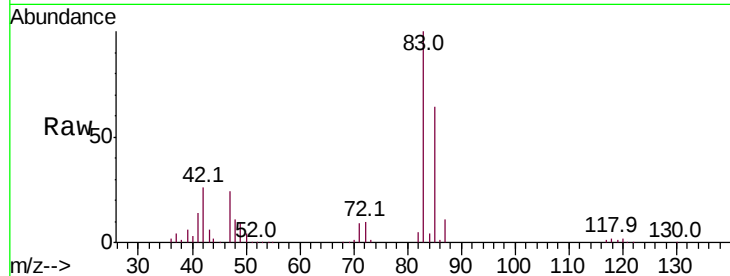
#27
Chloroform
Concen: 11.394 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
83	100	218263		
85	64.1	0.0	126.0	

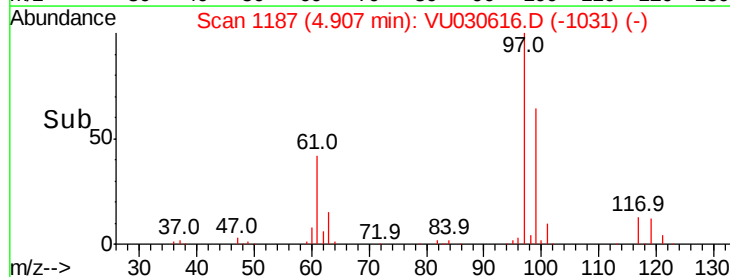
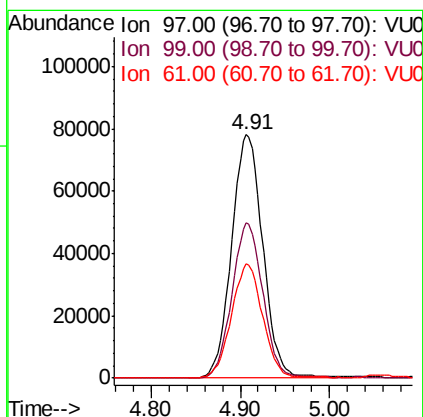
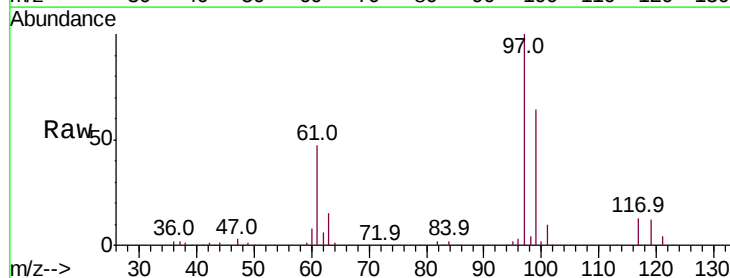
Manual Integrations
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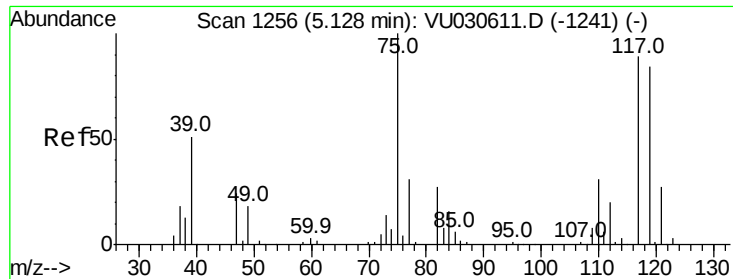
MMDadoda
4/3/2019 11:43:57 AM



#28
1,1,1-Trichloroethane
Concen: 12.067 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	189555		
99	63.3	31.9	95.9	
61	46.9	23.4	70.0	





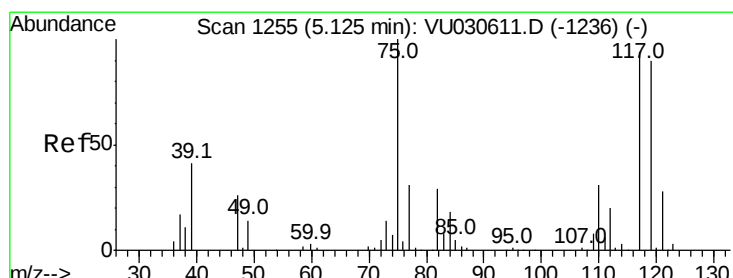
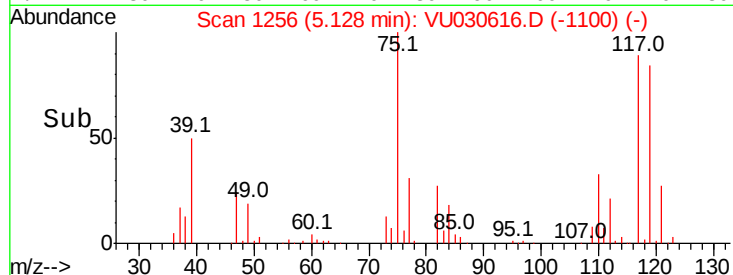
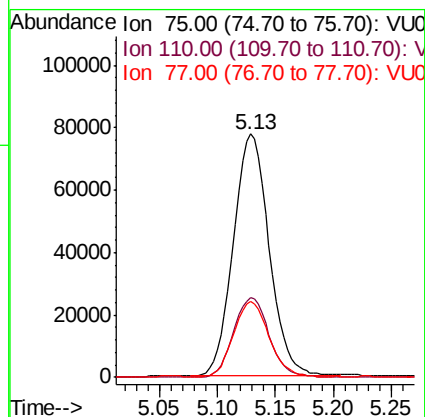
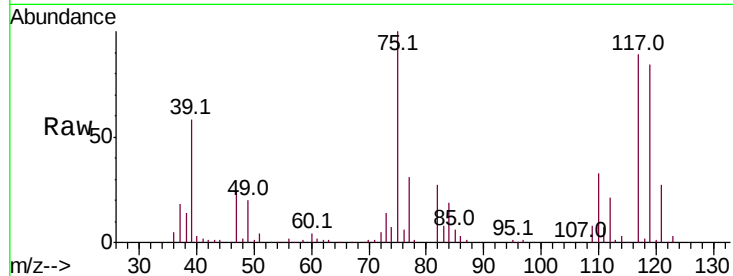
#29
 1,1-Dichloropropene
 Concen: 12.072 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.2	48.5
77	30.8	24.6	36.8

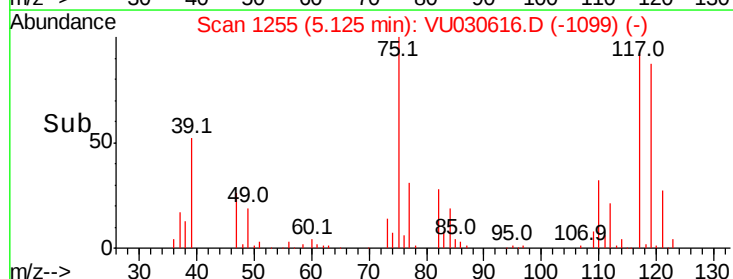
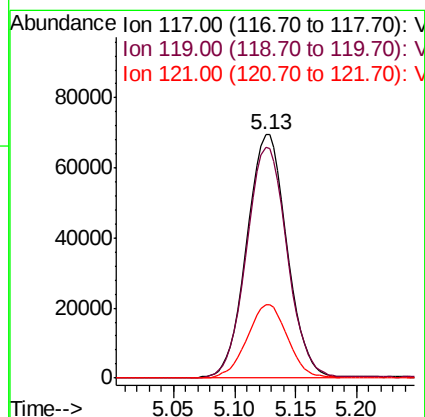
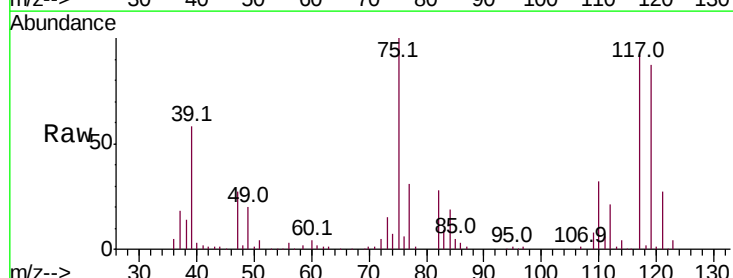
Manual Integrations
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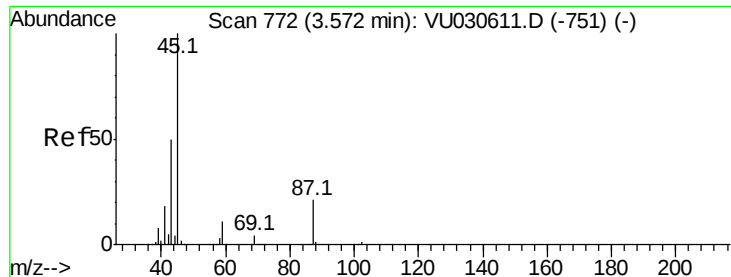
MMDadoda
 4/3/2019 11:43:57 AM



#30
 Carbon Tetrachloride
 Concen: 11.639 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.9	113.9
121	29.9	24.2	36.2





#31

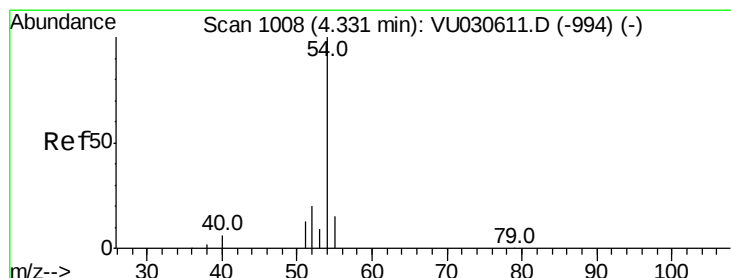
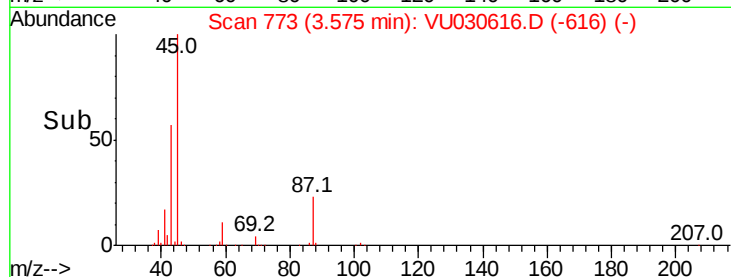
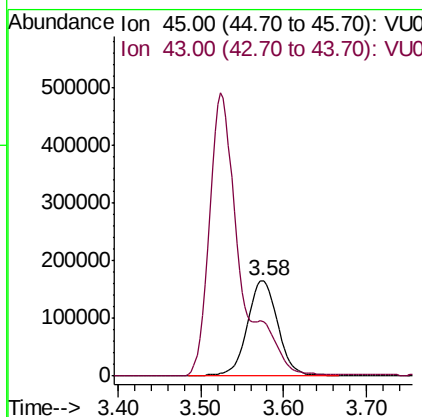
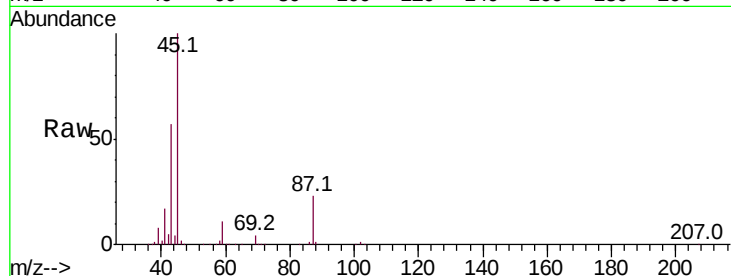
Isopropyl Ether
 Concen: 12.652 ug/l
 RT: 3.58 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Tot Ion: 45 Resp: 426871
 Ion Ratio Lower Upper
 45 100
 43 256.3 25.0 75.0#

Manual Integrations
 APPROVED

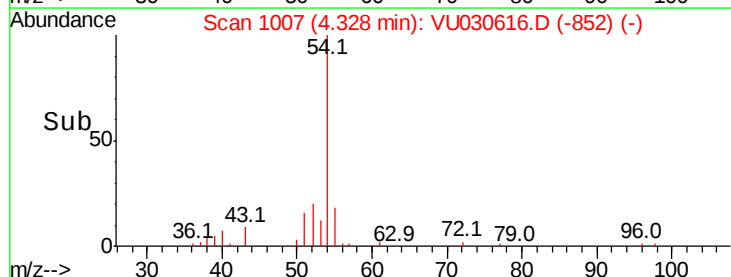
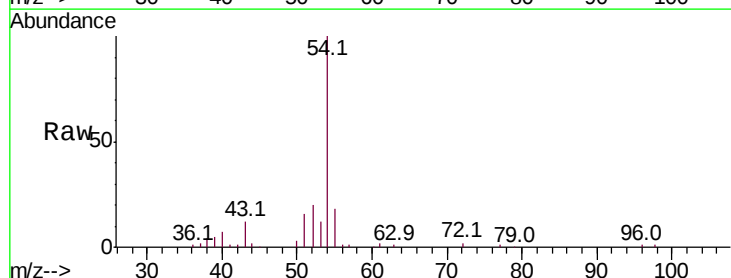
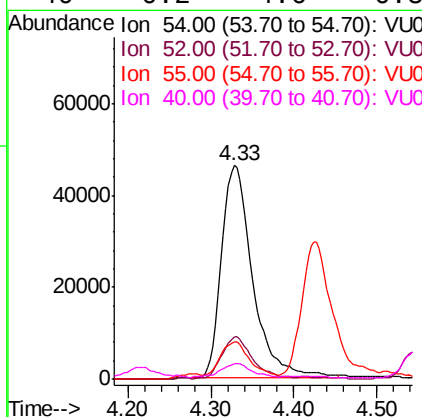
MMDadoda
 4/3/2019 11:43:57 AM

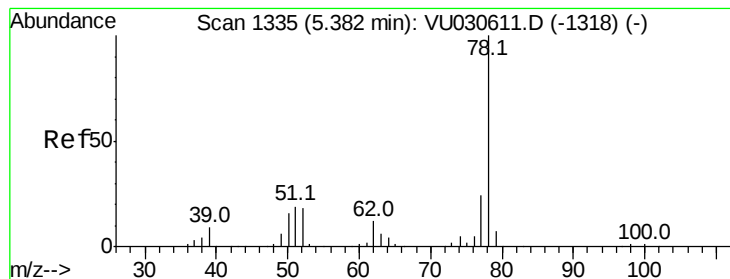


#34

Propionitrile
 Concen: 138.989 ug/l
 RT: 4.33 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion: 54 Resp: 121477
 Ion Ratio Lower Upper
 54 100
 52 18.9 15.3 22.9
 55 15.1 11.4 17.0
 40 6.2 4.6 6.8





#35

Benzene

Concen: 12.427 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion: 78 Resp: 503738

Ion Ratio Lower Upper

78 100

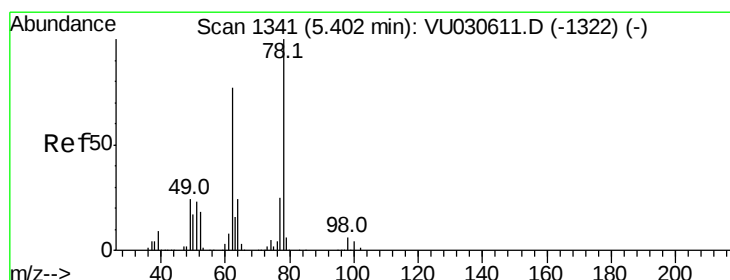
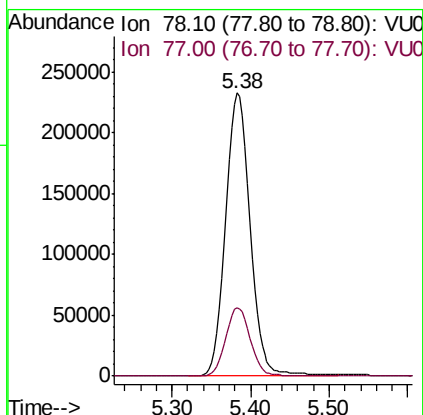
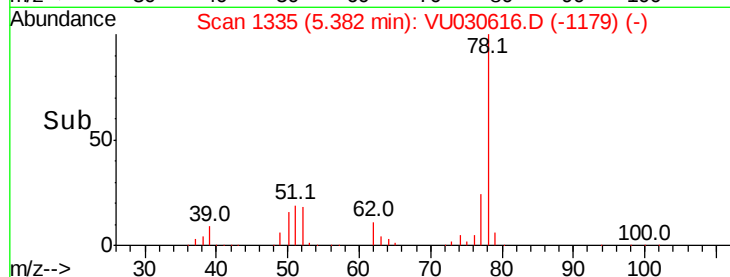
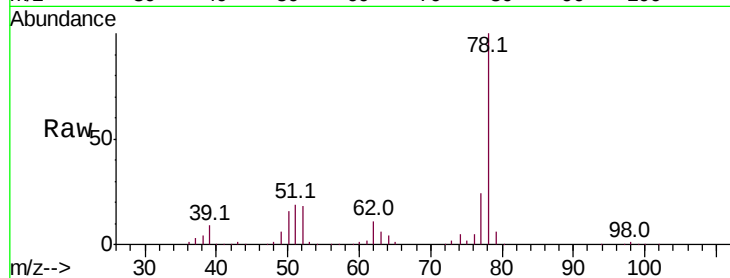
77 24.3 19.4 29.2

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 11.925 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030616.D

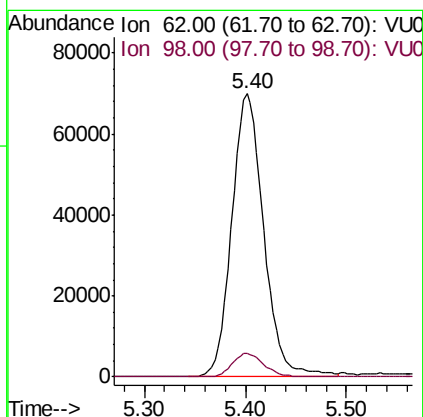
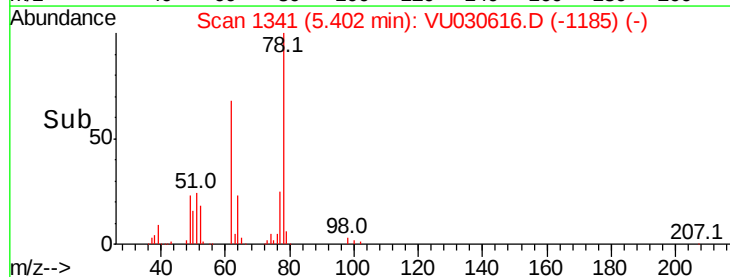
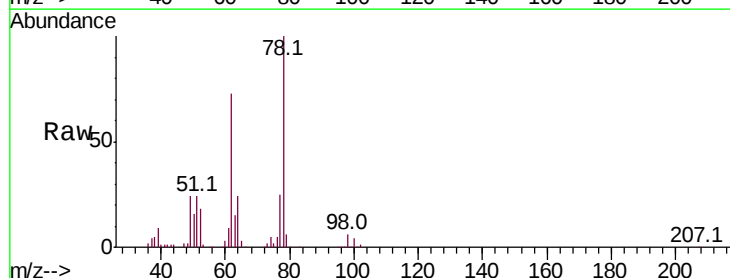
Acq: 02 Apr 2019 23:02

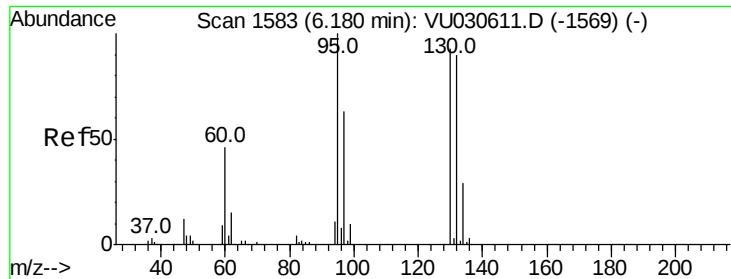
Tgt Ion: 62 Resp: 154237

Ion Ratio Lower Upper

62 100

98 8.4 6.5 9.7





#37

Trichloroethene

Concen: 11.759 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion:130 Resp: 114415

Ion Ratio Lower Upper

130 100

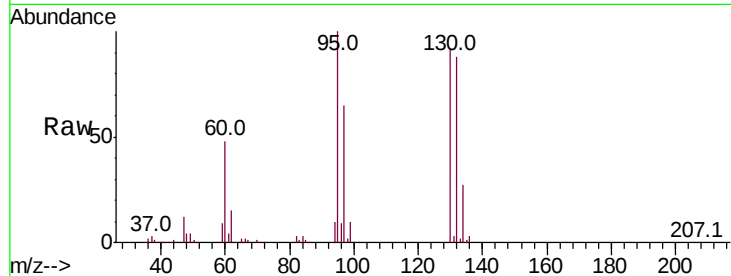
95 108.4 85.7 128.5

Manual Integrations

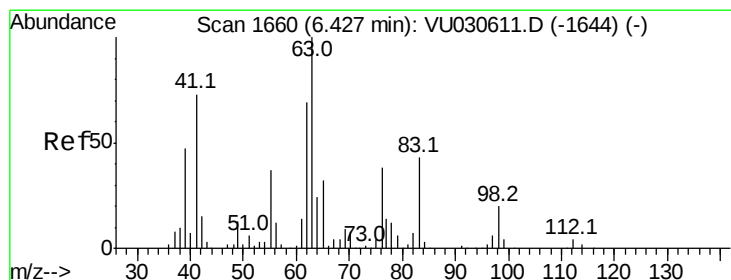
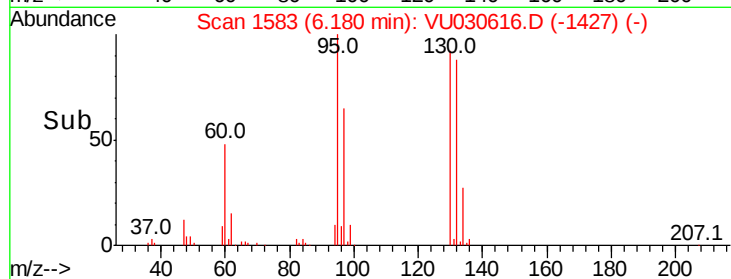
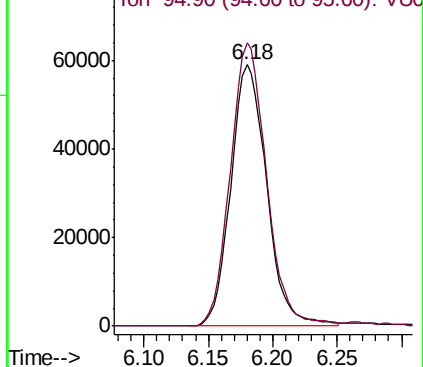
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Abundance Ion 129.90 (129.60 to 130.60): VU030611.D (-1569) (-)



#38

1,2-Dichloropropane

Concen: 11.692 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU030616.D

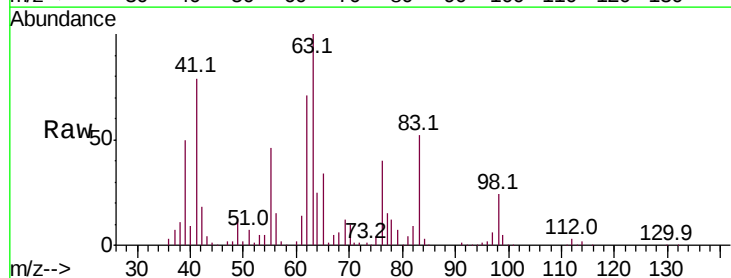
Acq: 02 Apr 2019 23:02

Tgt Ion: 63 Resp: 136525

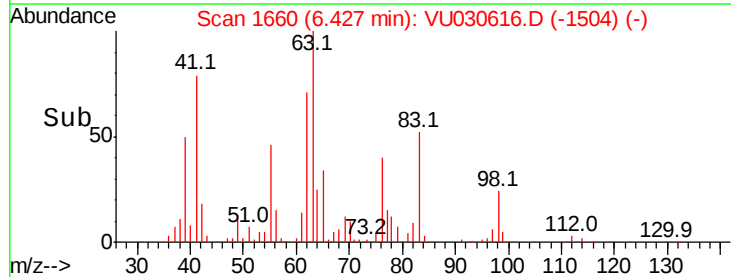
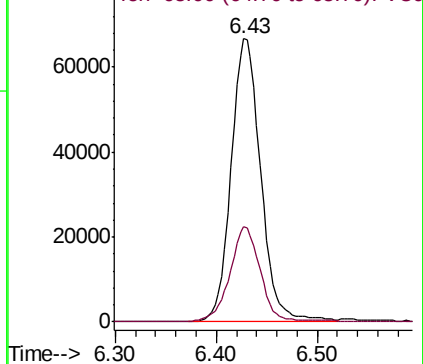
Ion Ratio Lower Upper

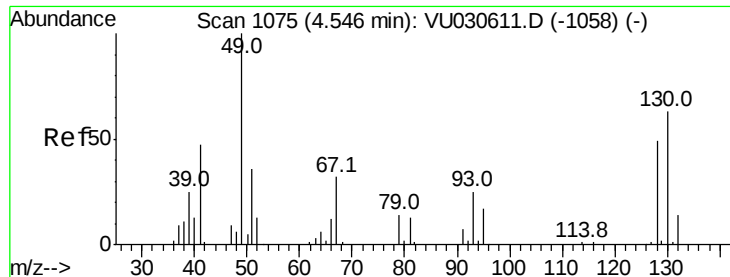
63 100

65 33.8 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU030611.D (-1644) (-)





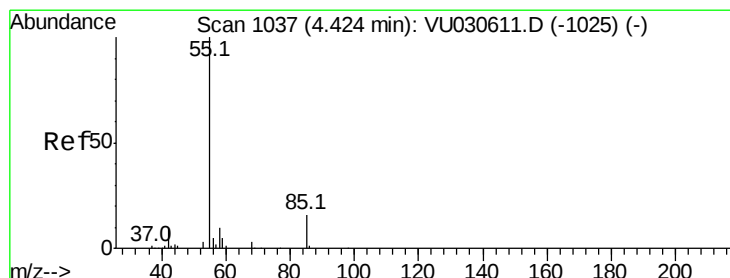
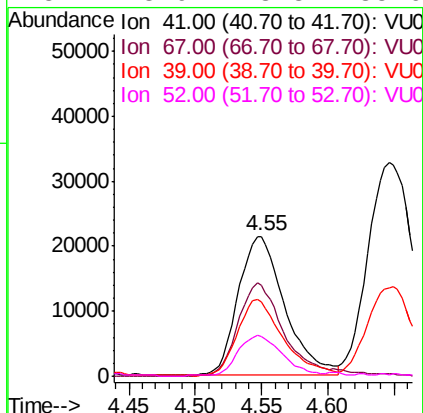
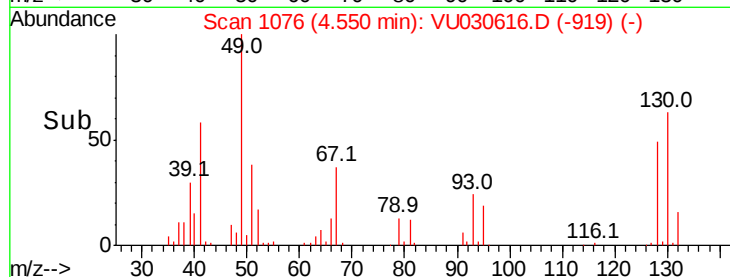
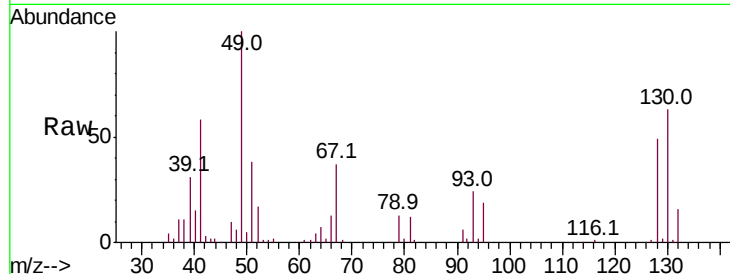
#39
Methacrylonitrile
Concen: 11.958 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
41	100		
67	67.3	54.1	81.1
39	55.2	41.7	62.5
52	28.9	23.8	35.6

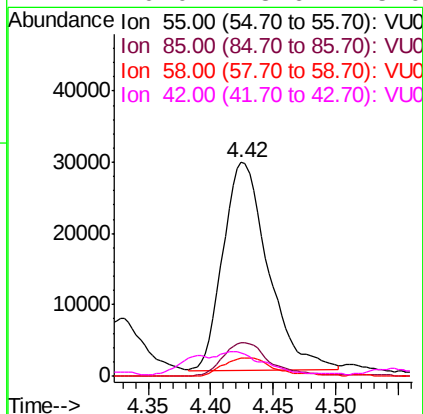
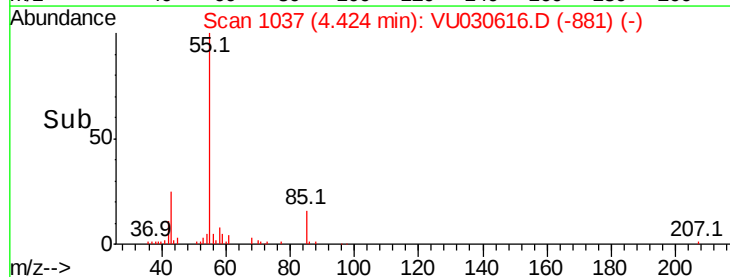
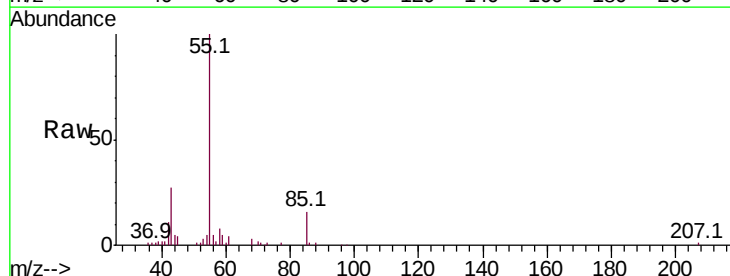
Manual Integrations
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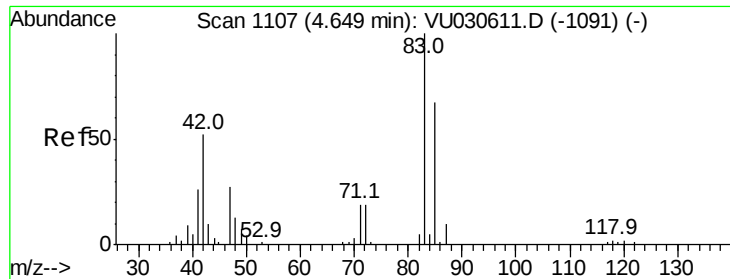
MMDadoda
4/3/2019 11:43:57 AM



#40
Methyl acrylate
Concen: 11.154 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
55	100		
85	16.5	12.5	18.7
58	9.8	7.5	11.3
42	0.0	8.6	13.0#





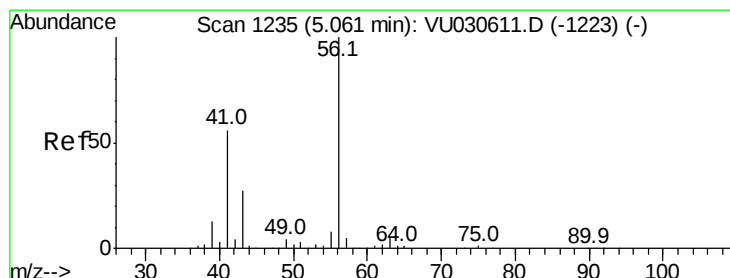
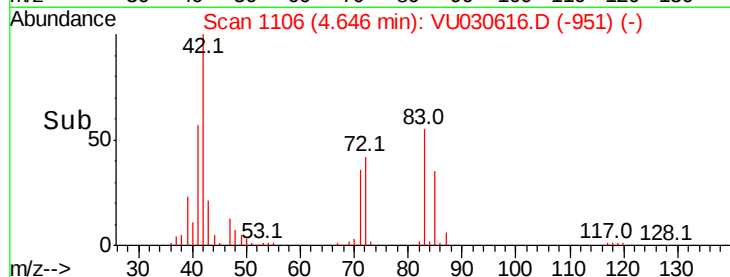
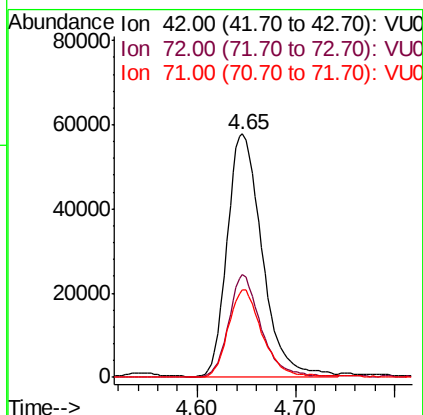
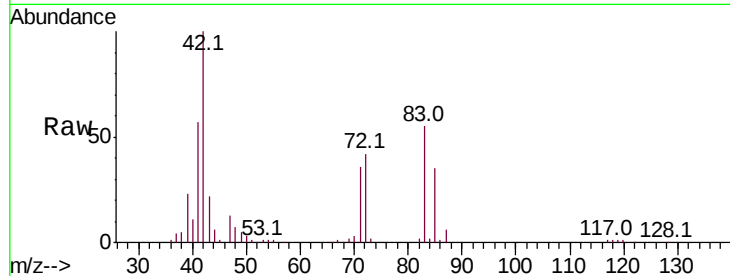
#41
Tetrahydrofuran
Concen: 60.940 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampled :
ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	39.3	29.8	44.8	
71	34.5	27.7	41.5	

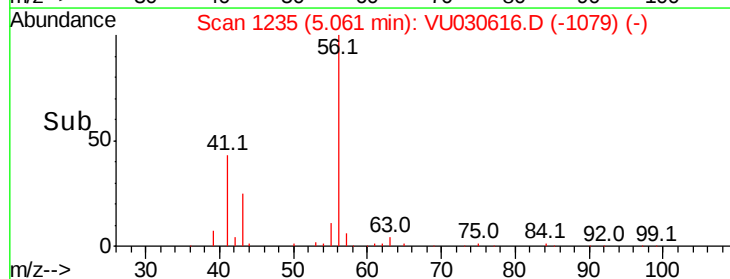
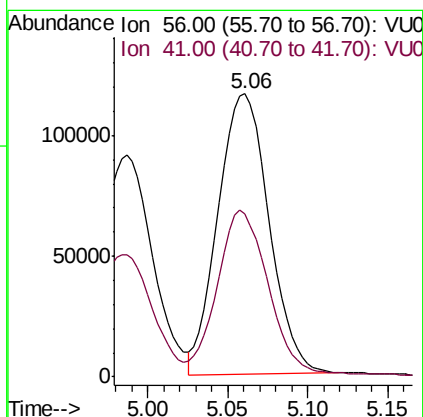
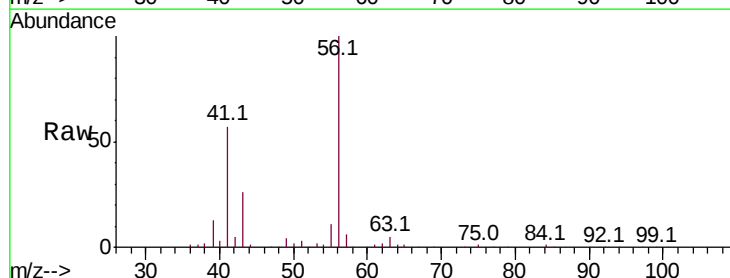
Manual Integrations
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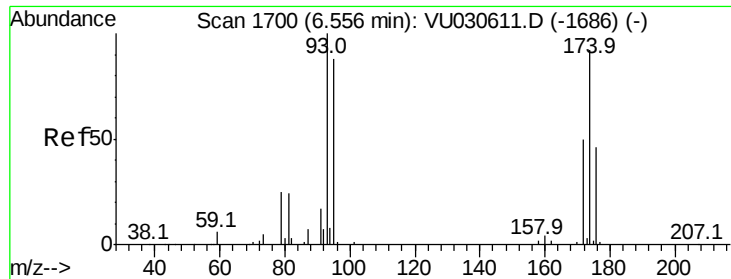
MMDadoda
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#42
1-Chlorobutane
Concen: 12.033 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
56	100			
41	58.6	27.6	82.8	





#43

Dibromomethane

Concen: 12.364 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion: 93 Resp: 66653

Ion Ratio Lower Upper

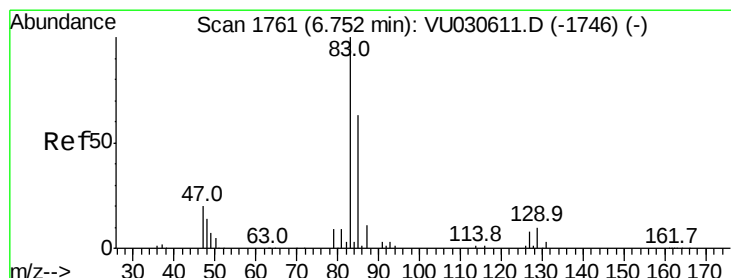
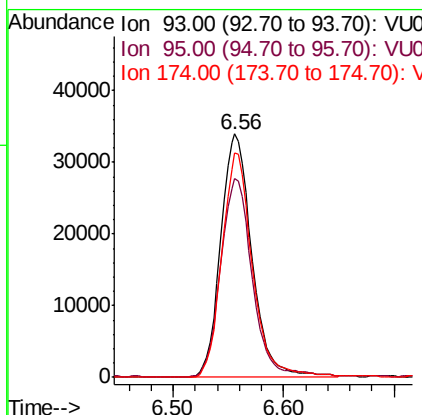
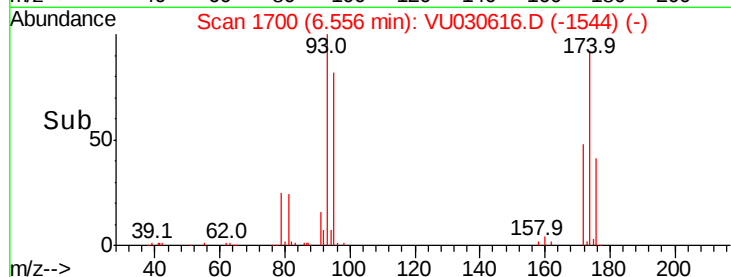
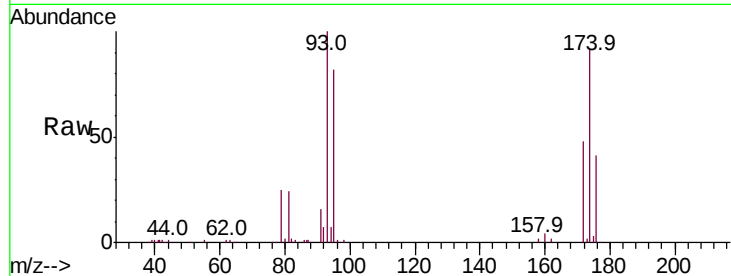
93 100

95 83.1 65.7 98.5

174 89.9 70.3 105.5

Manual Integrations
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#44

Bromodichloromethane

Concen: 12.094 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

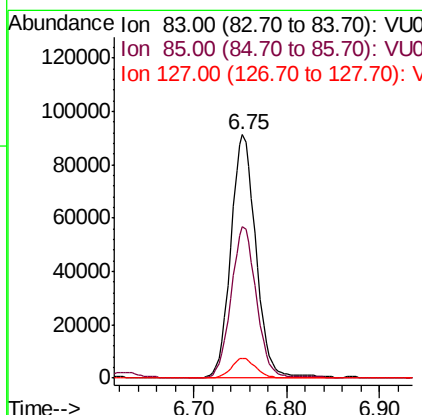
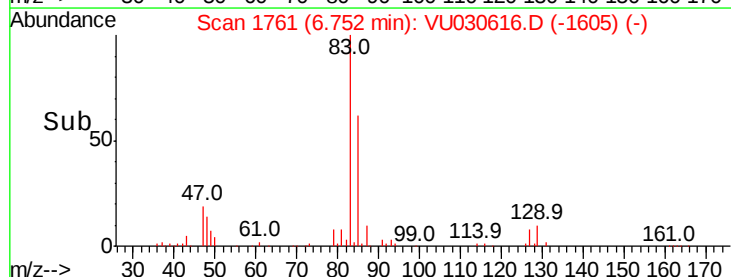
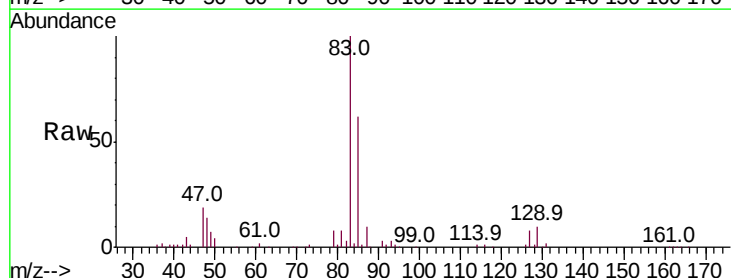
Tgt Ion: 83 Resp: 171508

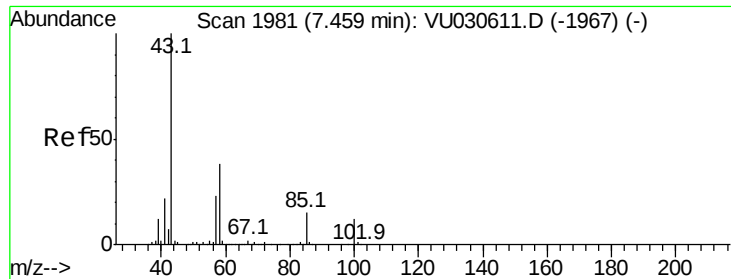
Ion Ratio Lower Upper

83 100

85 62.4 50.6 76.0

127 8.2 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 62.199 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU030616.D

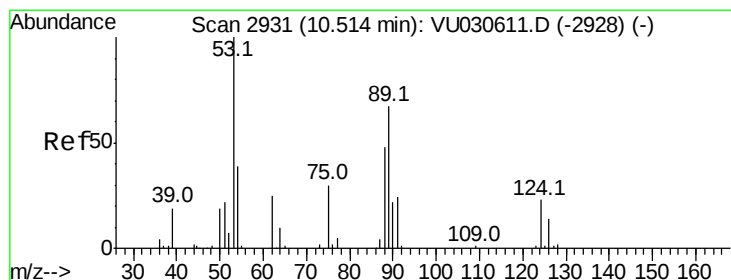
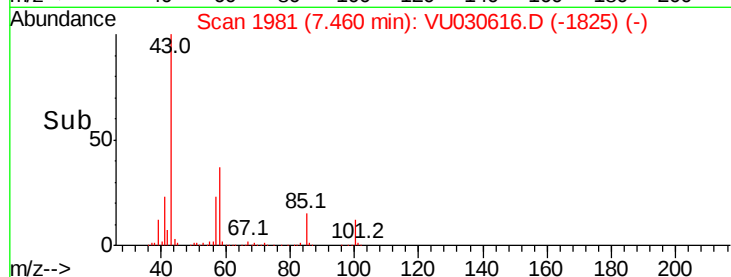
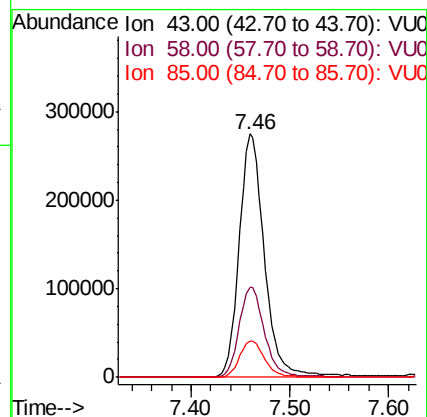
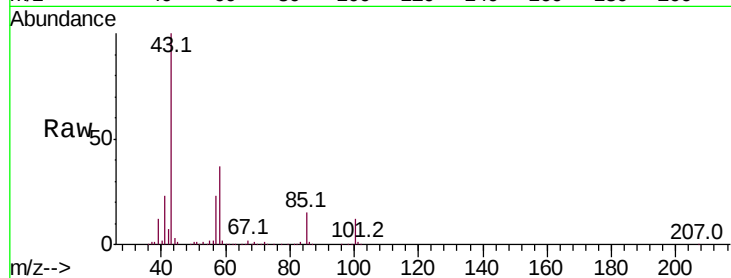
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	37.5	18.6	55.8	
85	15.1	11.6	17.4	

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#46

t-1,4-Dichloro-2-butene

Concen: 11.913 ug/l m

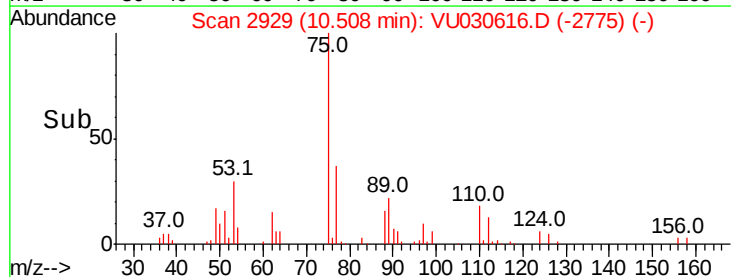
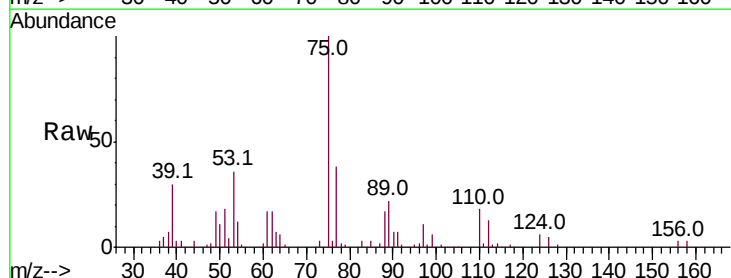
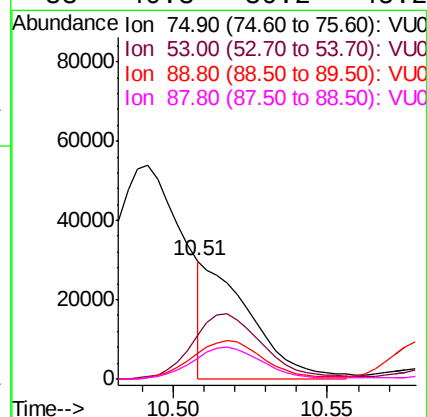
RT: 10.51 min Scan# 2929

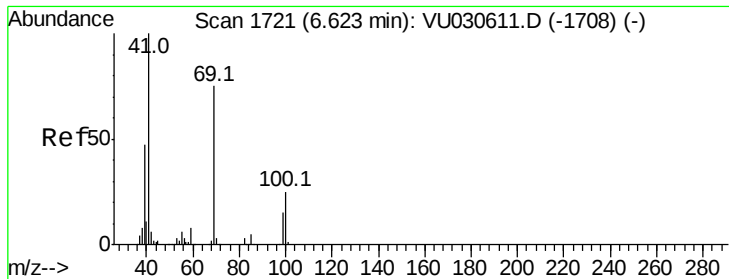
Delta R.T. -0.01 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
53	83.2	64.3	96.5	
89	49.5	40.8	61.2	
88	40.3	30.2	45.2	





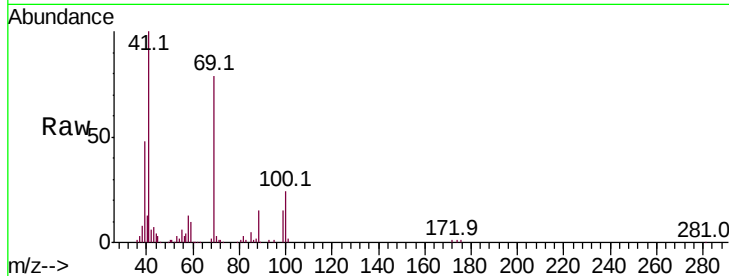
#47
Methyl methacrylate
Concen: 13.287 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	125.0	0.0	263.2	
39	63.1	50.7	76.1	
100	32.1	27.0	40.4	

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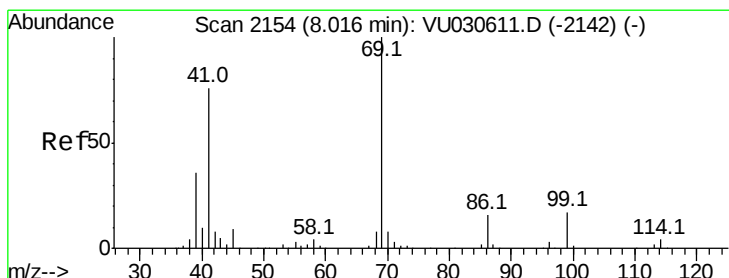
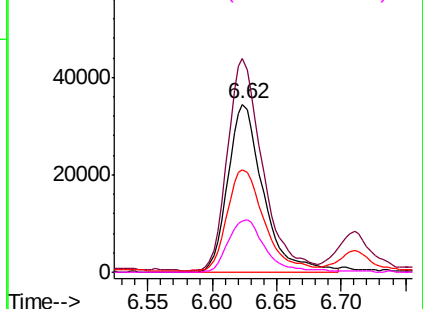
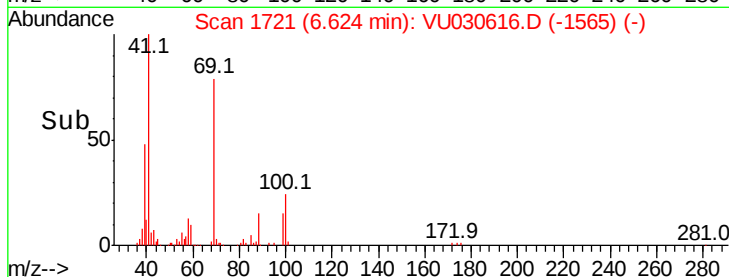
Abundance

Ion 69.00 (68.70 to 69.70): VU030616.D (-1565) (-)

Ion 41.00 (40.70 to 41.70): VU030616.D (-1565) (-)

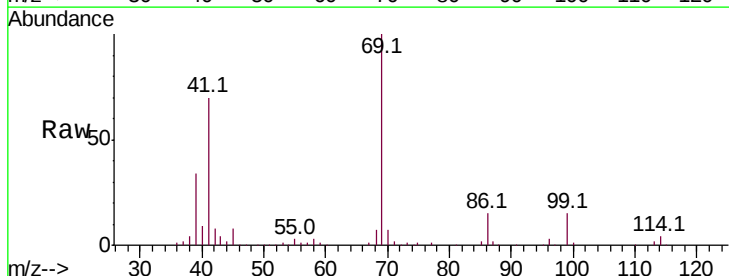
Ion 39.00 (38.70 to 39.70): VU030616.D (-1565) (-)

Ion 100.00 (99.70 to 100.70): VU030616.D (-1565) (-)



#48
Ethyl methacrylate
Concen: 13.910 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

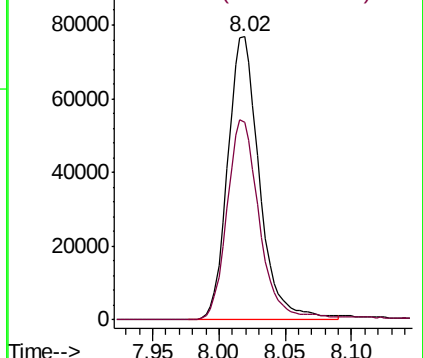
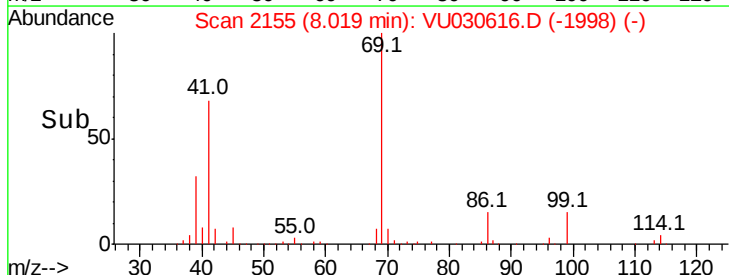
Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	72.6	37.3	111.9	

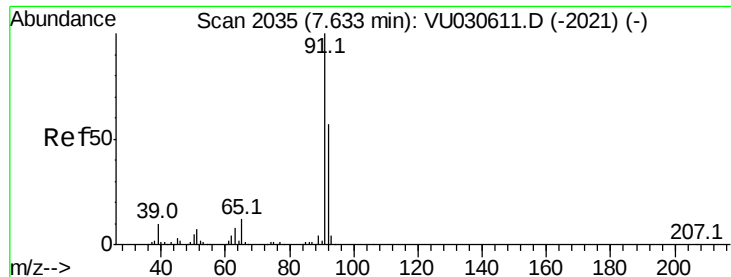


Abundance

Ion 69.00 (68.70 to 69.70): VU030616.D (-1998) (-)

Ion 41.00 (40.70 to 41.70): VU030616.D (-1998) (-)





#49

Toluene

Concen: 13.084 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion: 92 Resp: 288428

Ion Ratio Lower Upper

92 100

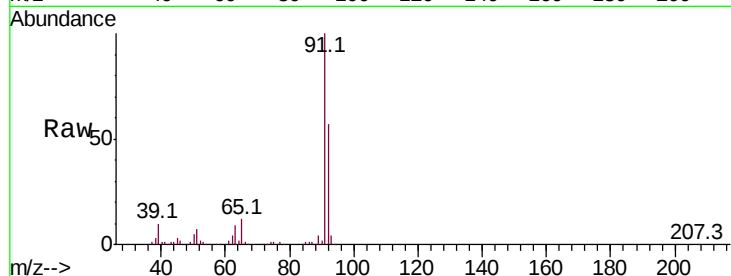
91 178.2 142.1 213.1

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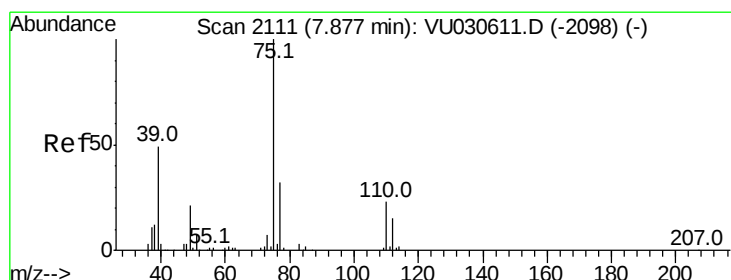
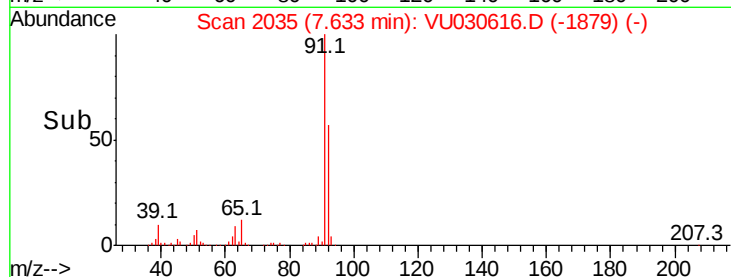
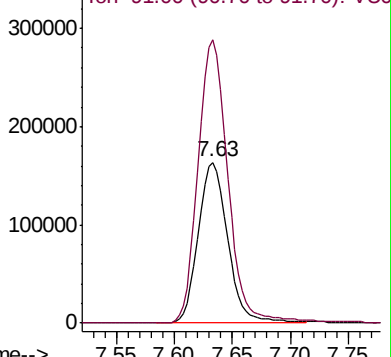
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Abundance Ion 92.00 (91.70 to 92.70): VU030616.D (-1879) (-)



#50

t-1,3-Dichloropropene

Concen: 13.358 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030616.D

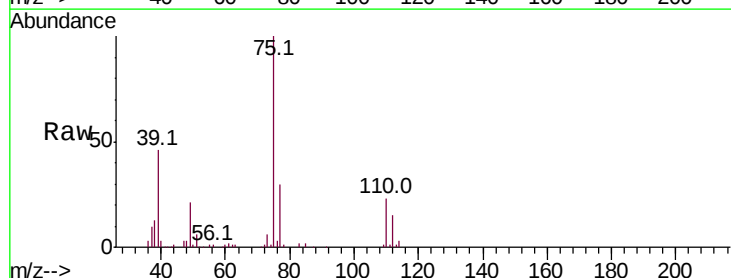
Acq: 02 Apr 2019 23:02

Tgt Ion: 75 Resp: 162673

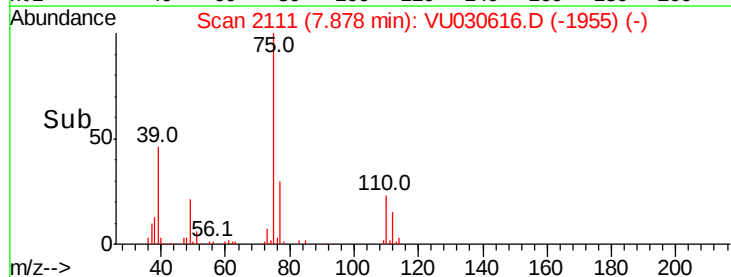
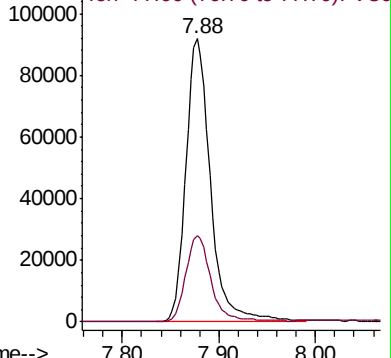
Ion Ratio Lower Upper

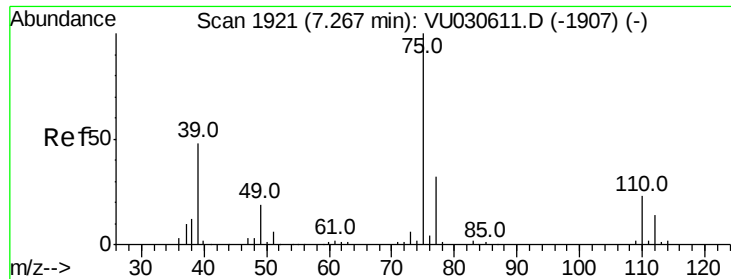
75 100

77 30.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU030616.D (-1955) (-)





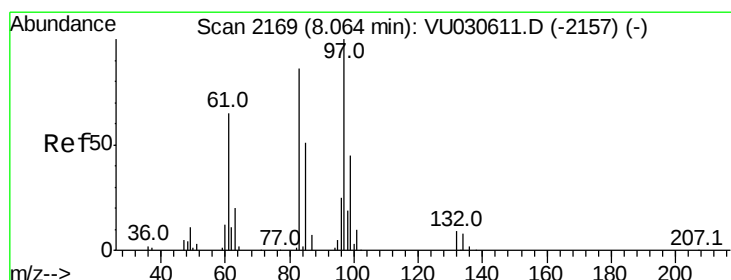
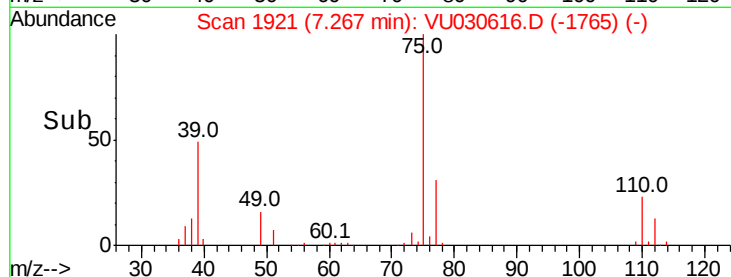
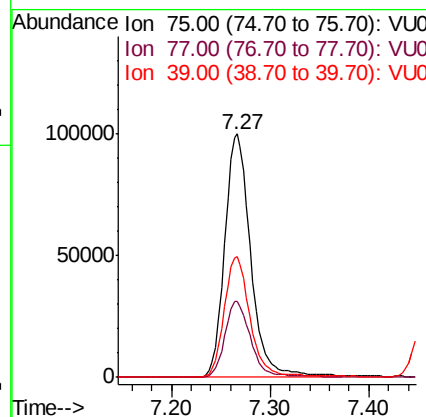
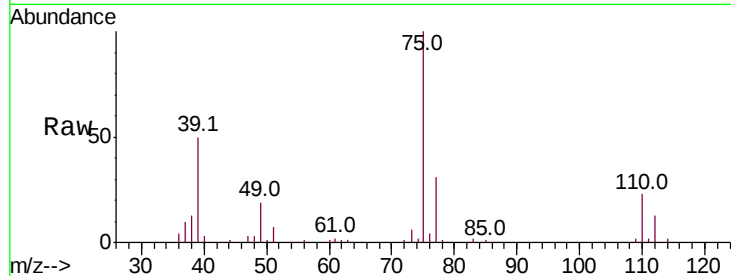
#51
 cis-1,3-Dichloropropene
 Concen: 12.620 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
75	100	185525		
77	31.4		25.4	38.0
39	49.7		38.5	57.7

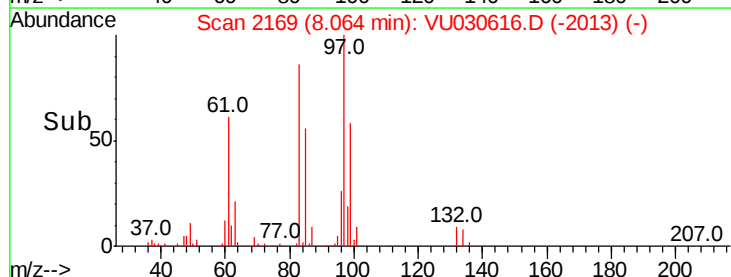
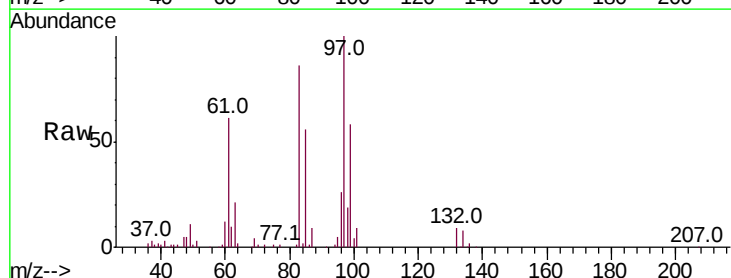
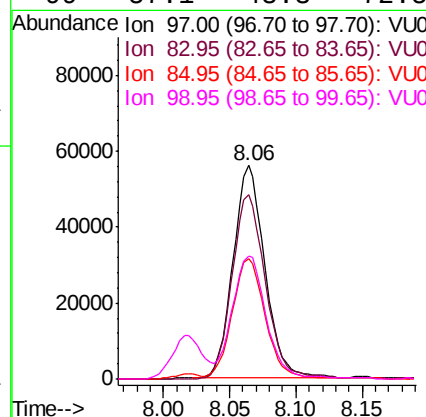
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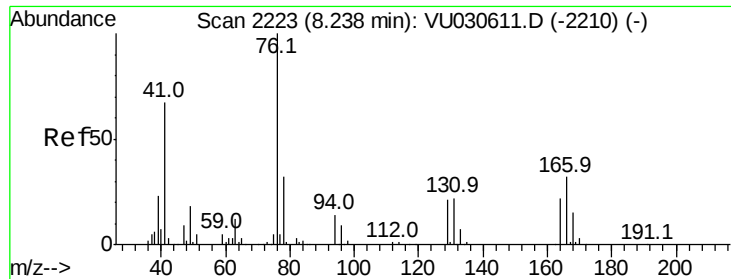
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#52
 1,1,2-Trichloroethane
 Concen: 12.152 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	93778		
83	86.6		68.6	103.0
85	56.0		41.8	62.8
99	57.1		48.3	72.5





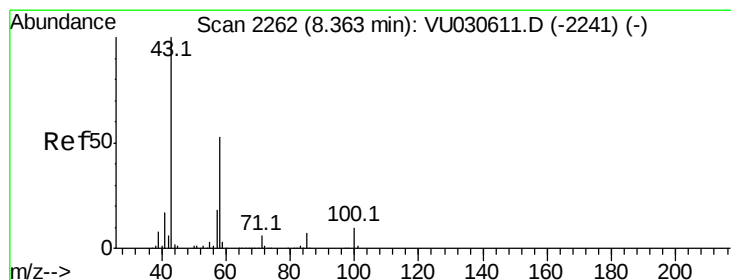
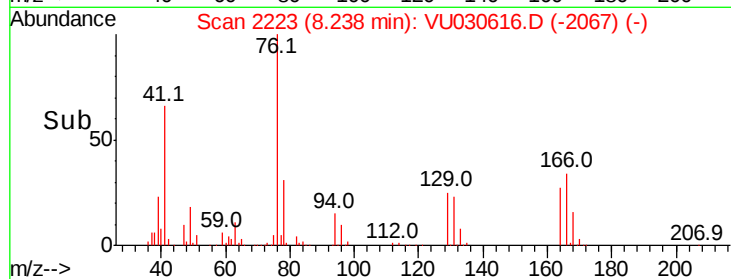
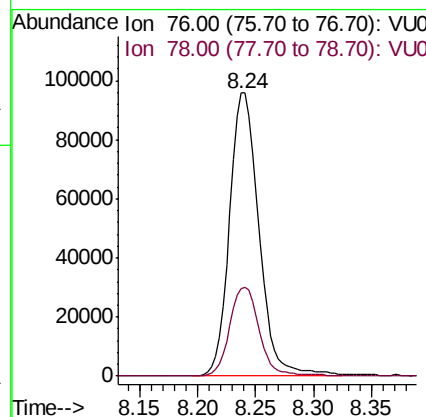
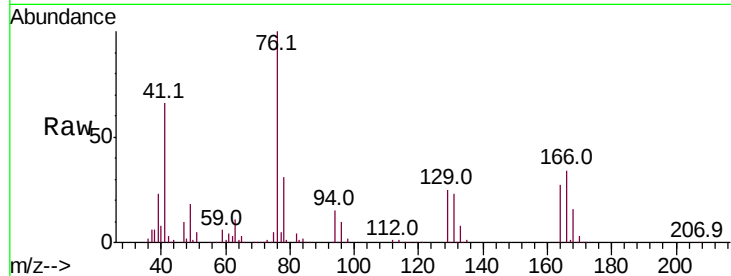
#53
 1,3-Dichloropropane
 Concen: 12.444 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU040219

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.2	37.8

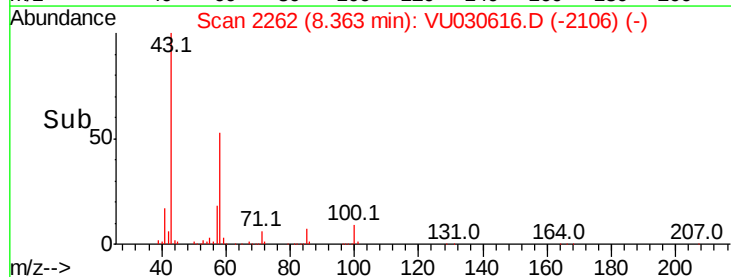
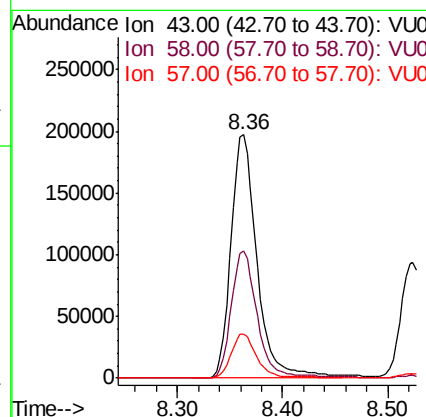
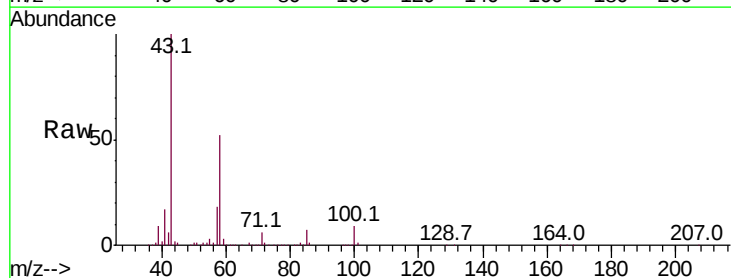
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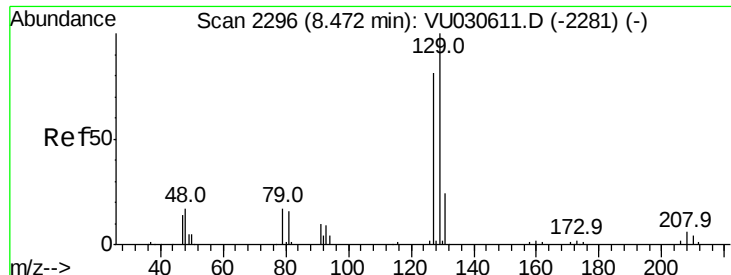
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#54
 2-Hexanone
 Concen: 64.853 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.0	33.1	73.1
57	17.6	0.0	38.1





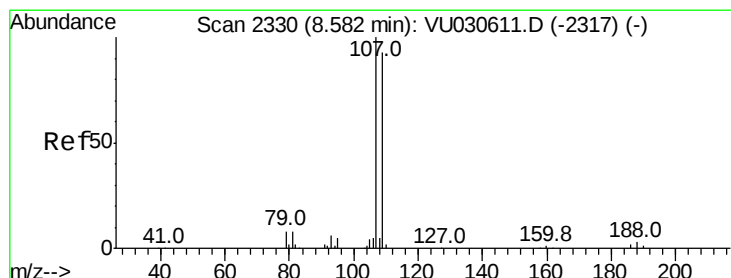
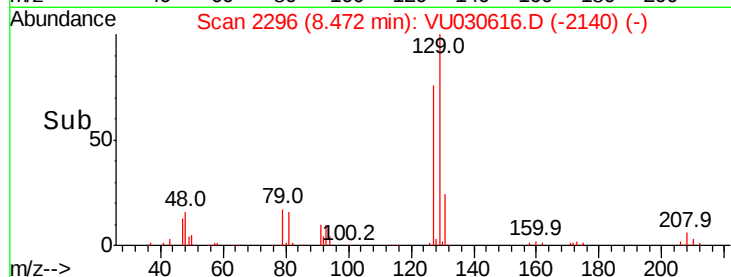
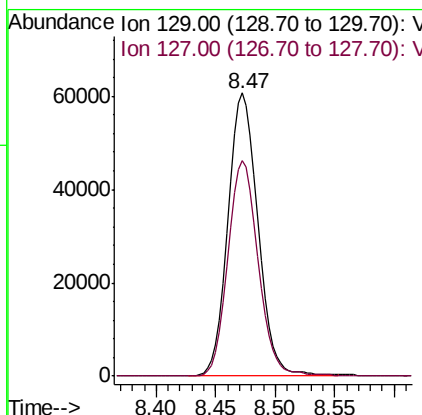
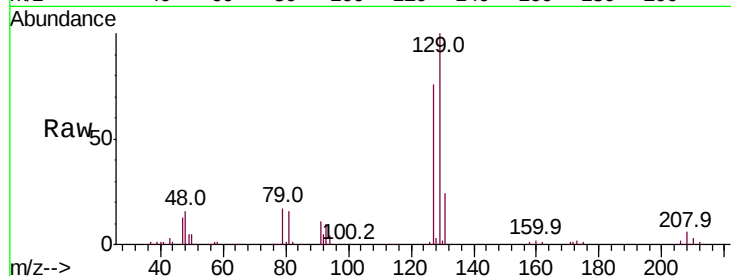
#55
Dibromochloromethane
Concen: 12.228 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		106523		
127	76.7	62.8	94.2		

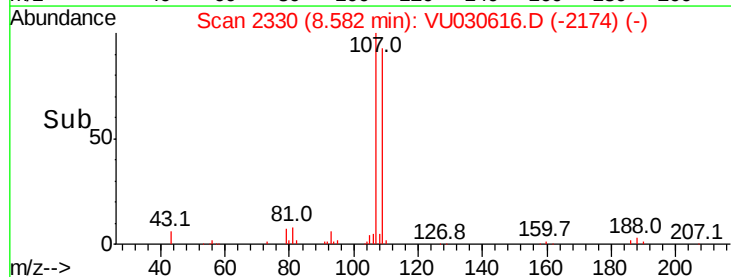
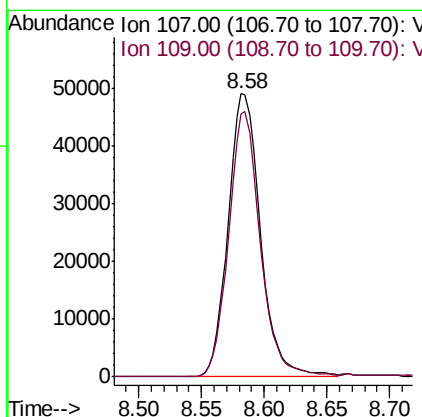
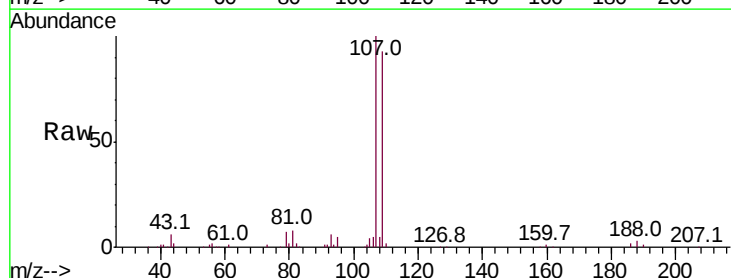
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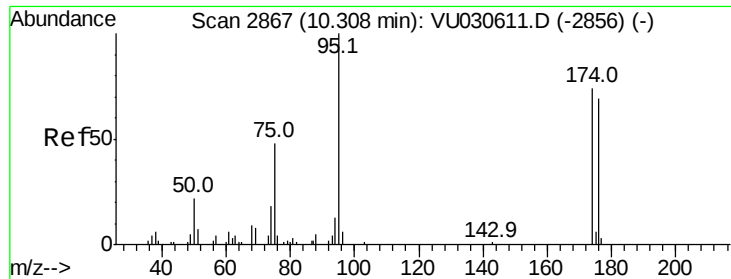
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#56
1,2-Dibromoethane
Concen: 12.659 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		87967		
109	91.6	0.0	187.2		





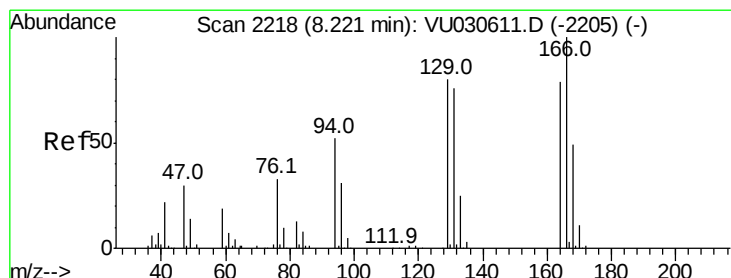
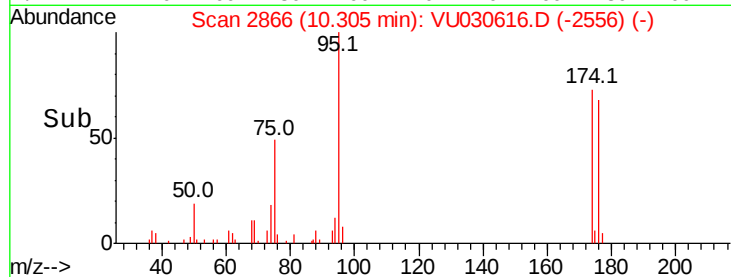
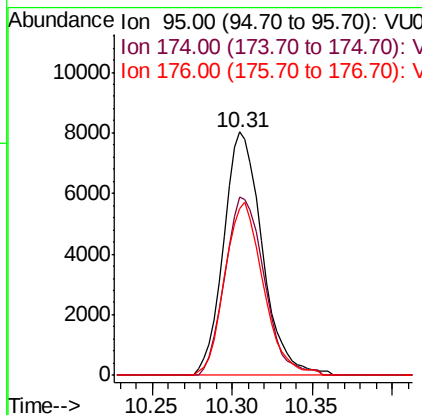
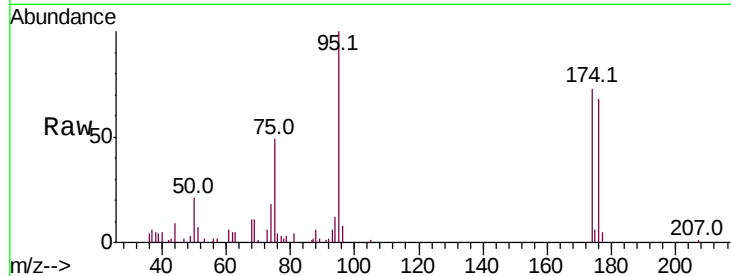
#57
4-Bromofluorobenzene
Concen: 12.659 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.5	59.1	88.7
176	70.8	55.7	83.5

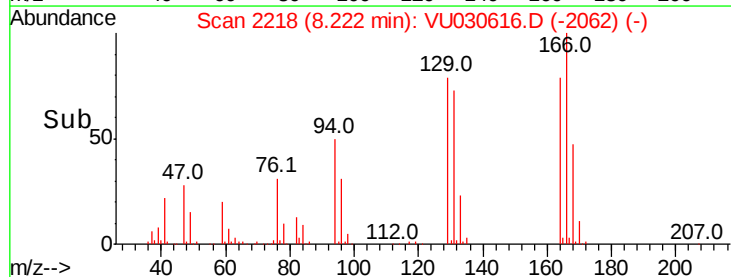
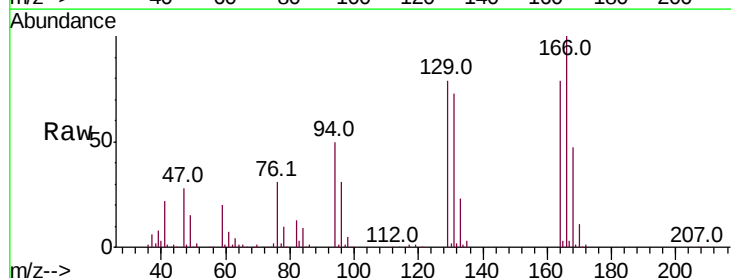
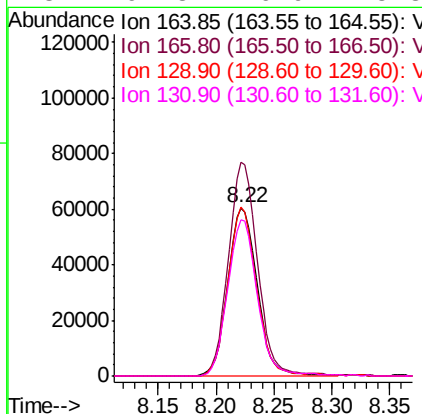
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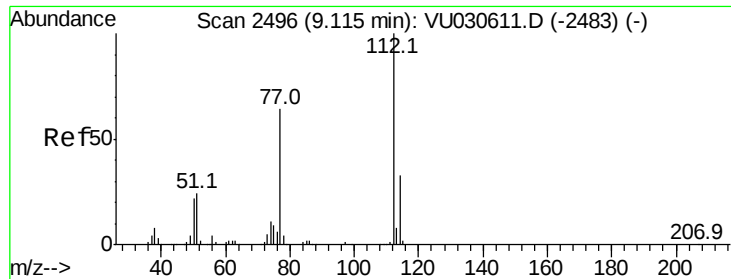
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#58
Tetrachloroethene
Concen: 12.361 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.0	151.4
129	100.5	80.6	120.8
131	92.8	76.9	115.3





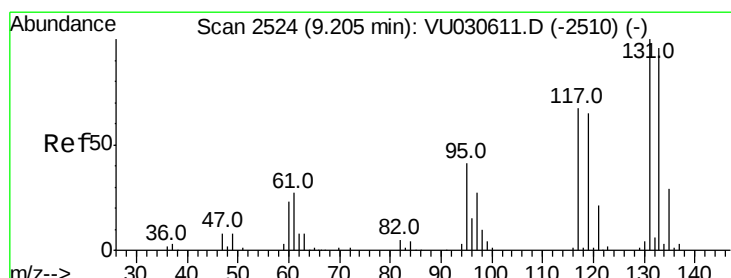
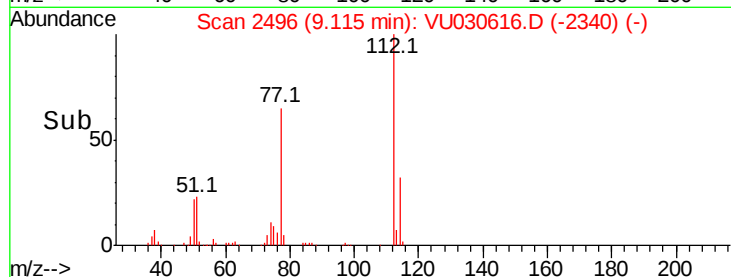
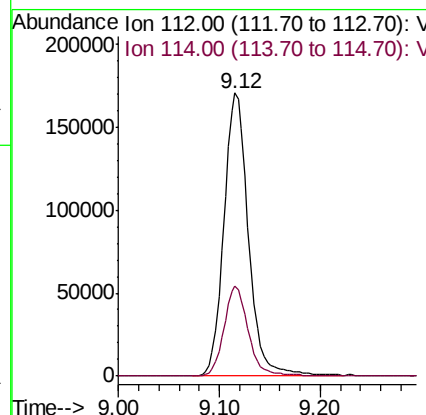
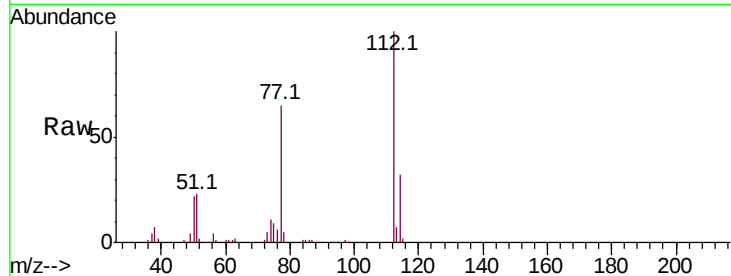
#59
Chlorobenzene
Concen: 12.105 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
112	100	290690		
114	31.8	26.2	39.4	

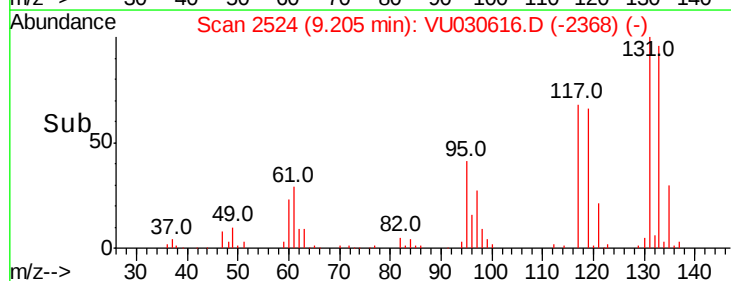
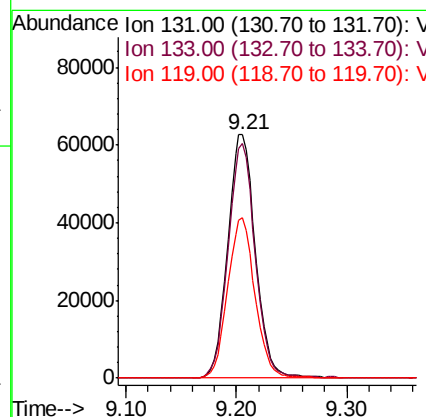
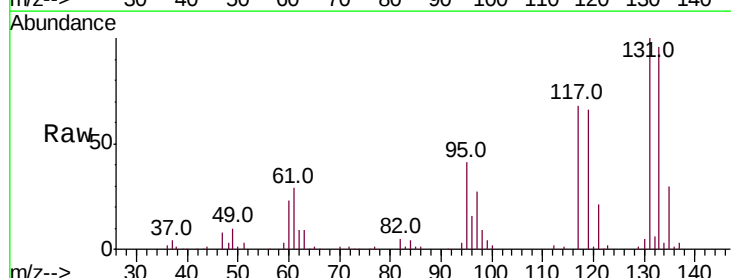
Manual Integrations
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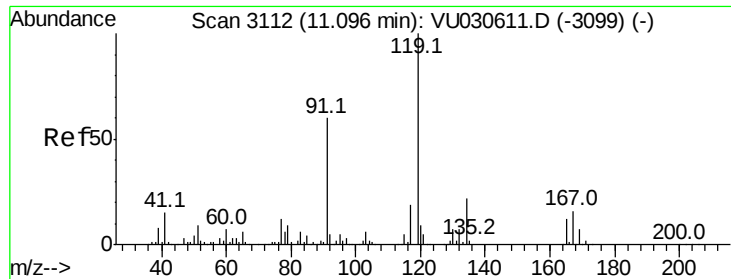
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#60
1,1,1,2-Tetrachloroethane
Concen: 11.976 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	109005		
133	94.1	75.0	112.6	
119	65.2	52.2	78.2	





#61

Pentachloroethane

Concen: 12.273 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion:117 Resp: 85683

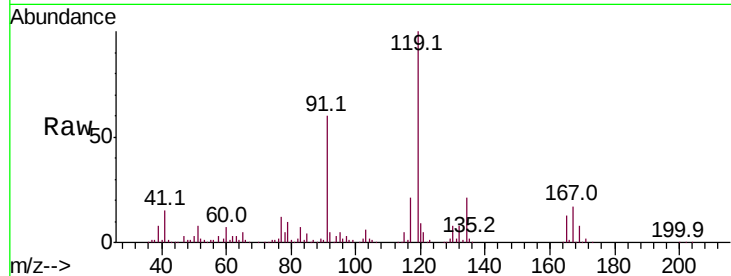
Ion Ratio Lower Upper

117 100

167 81.3 65.6 98.4

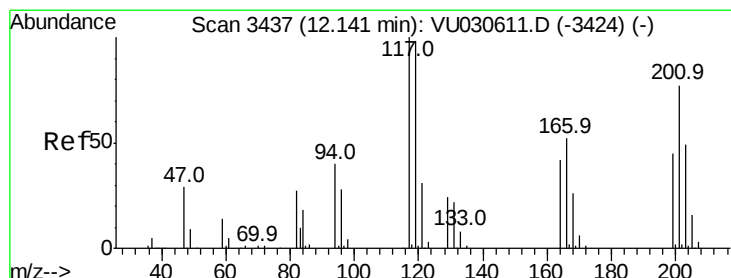
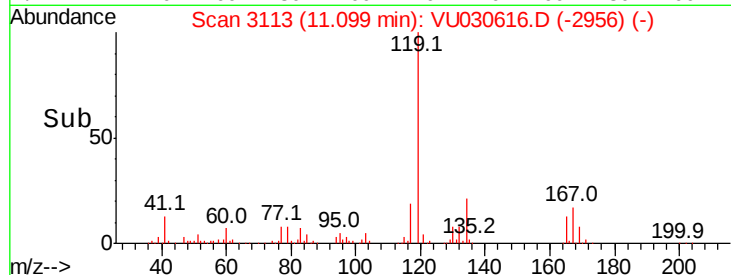
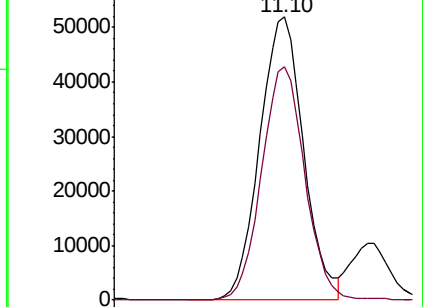
Manual Integrations
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 12.337 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030616.D

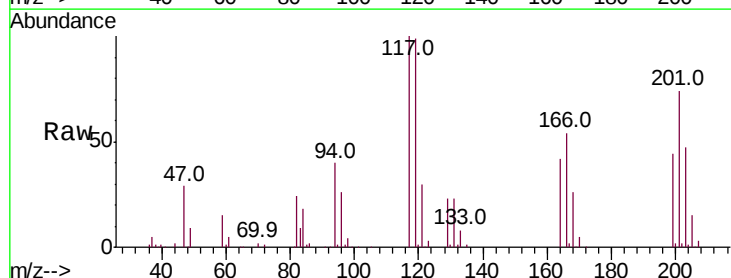
Acq: 02 Apr 2019 23:02

Tgt Ion:117 Resp: 81483

Ion Ratio Lower Upper

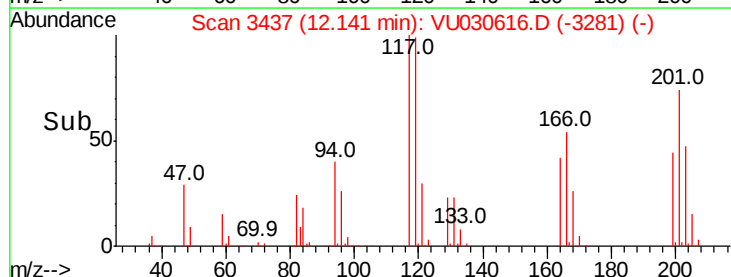
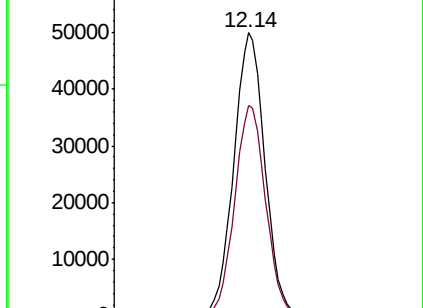
117 100

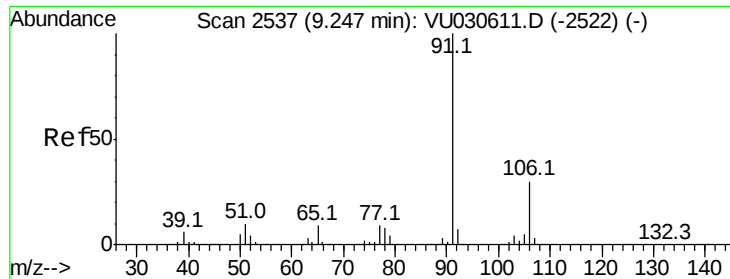
201 73.9 60.5 90.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





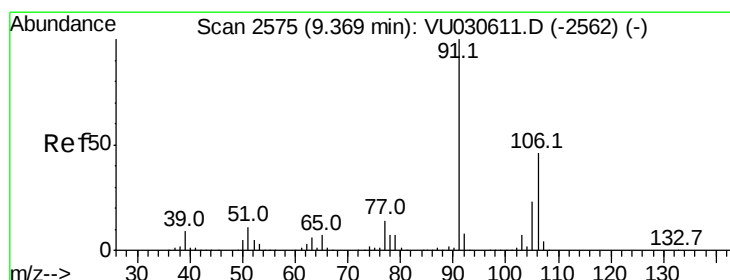
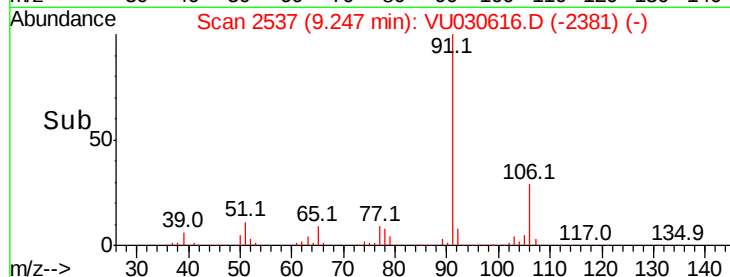
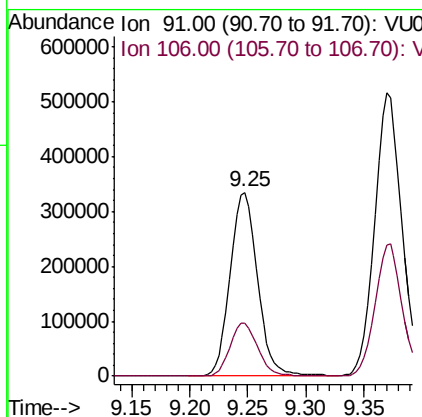
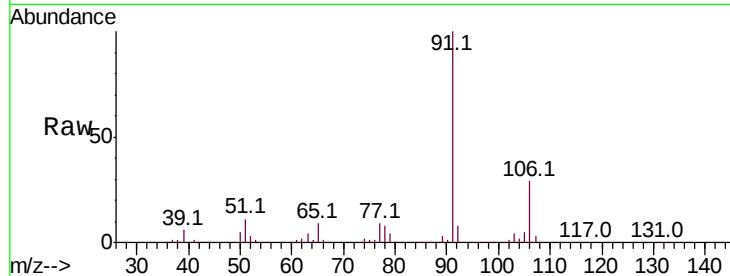
#63
Ethyl Benzene
Concen: 13.620 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion: 91 Resp: 546644
Ion Ratio Lower Upper
91 100
106 28.5 23.7 35.5

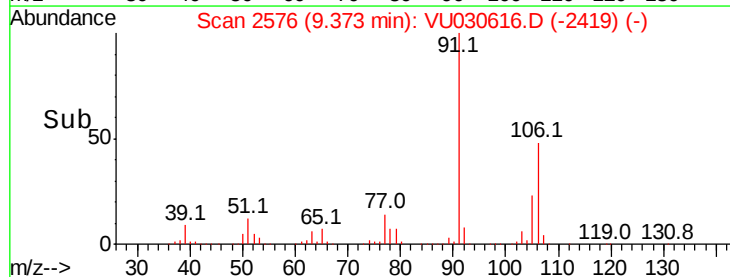
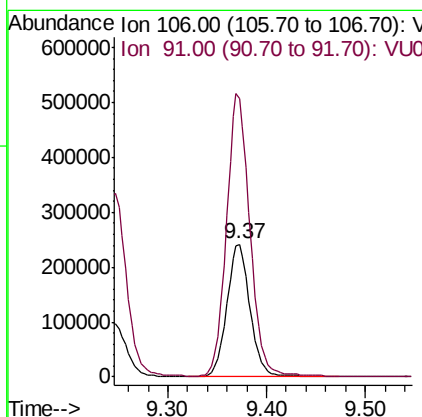
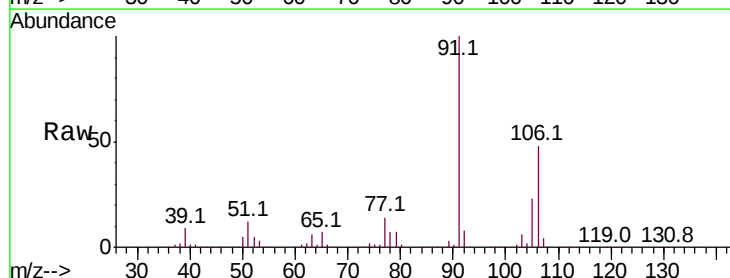
Manual Integrations
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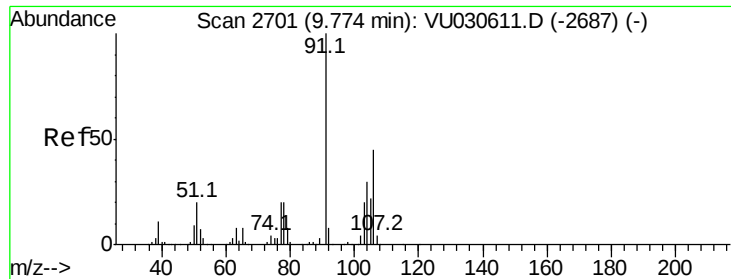
MMDadoda
4/3/2019 11:43:57 AM



#64
m/p-Xylenes
Concen: 27.392 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion: 106 Resp: 396574
Ion Ratio Lower Upper
106 100
91 215.2 173.8 260.8





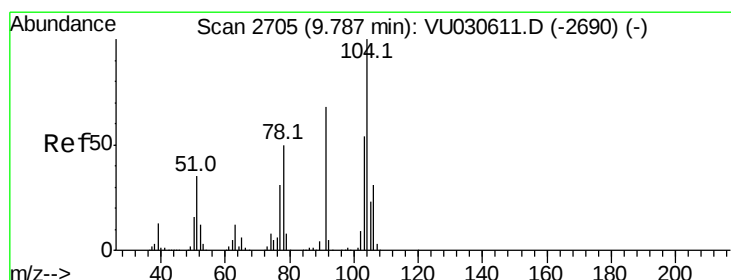
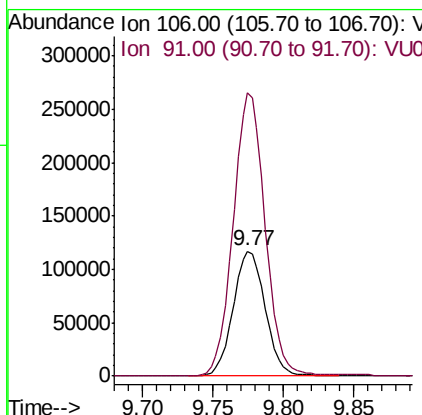
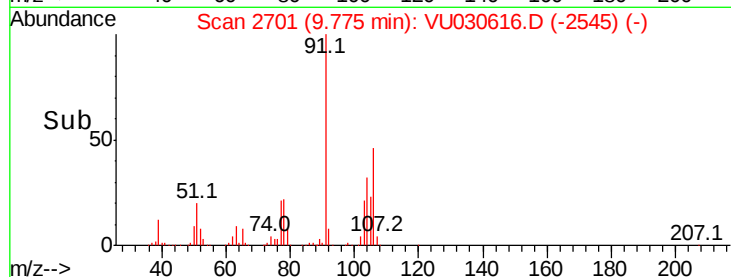
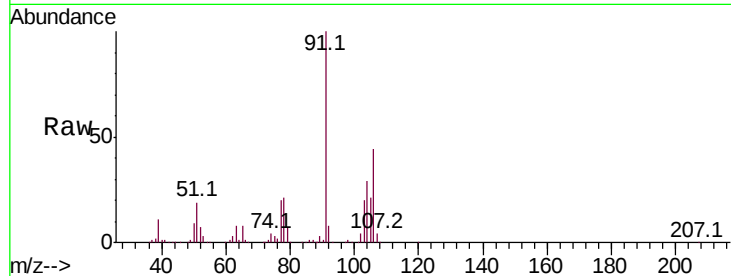
#65
o-Xylene
Concen: 13.172 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.8	111.8	335.3

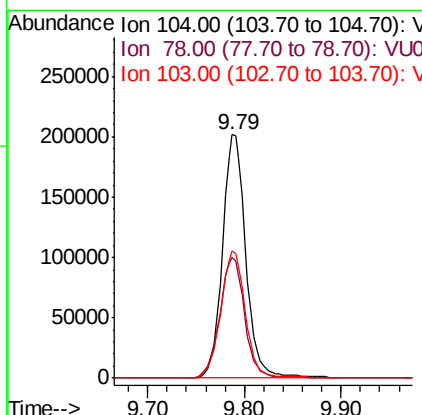
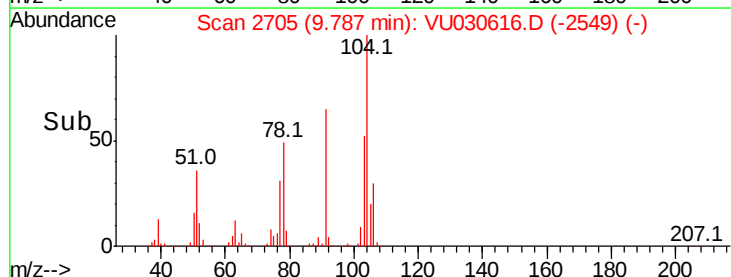
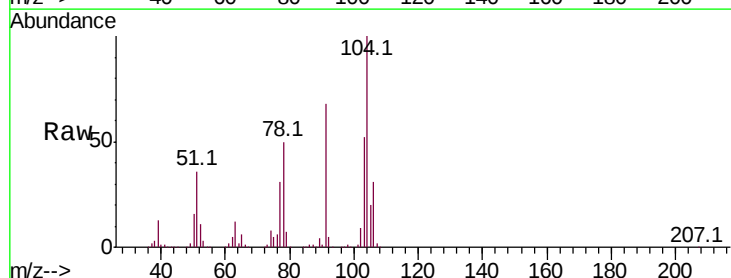
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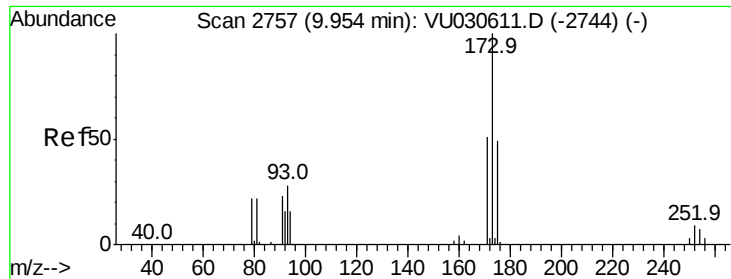
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#66
Styrene
Concen: 13.817 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.9	43.0	64.6
103	55.5	45.6	68.4





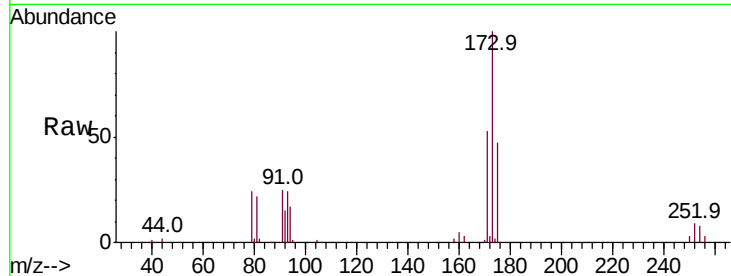
#67
Bromoform
Concen: 12.389 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.2	58.8
254	7.8	6.4	9.6

Manual Integrations
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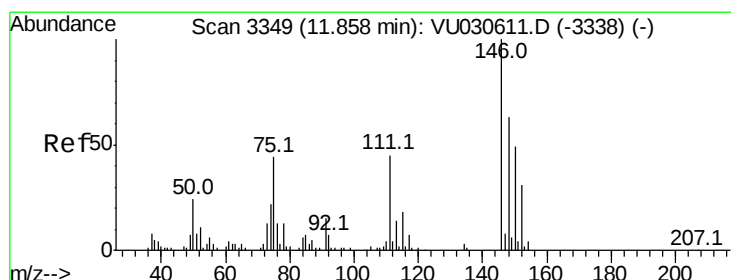
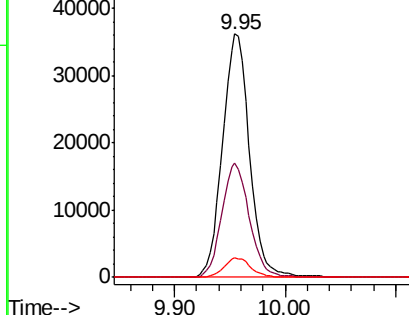
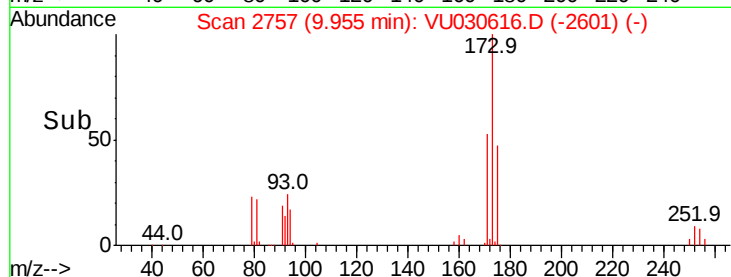


Abundance

Ion 172.90 (172.60 to 173.60): V

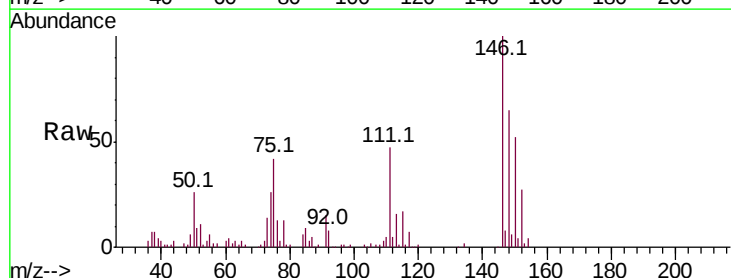
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 12.389 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	0.0	122.4
150	0.0	0.0	595.2

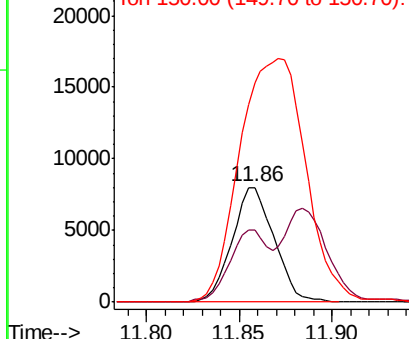
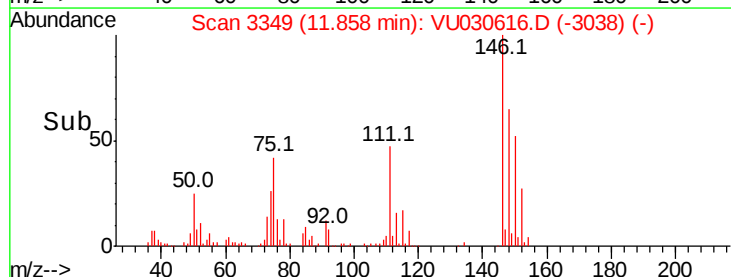


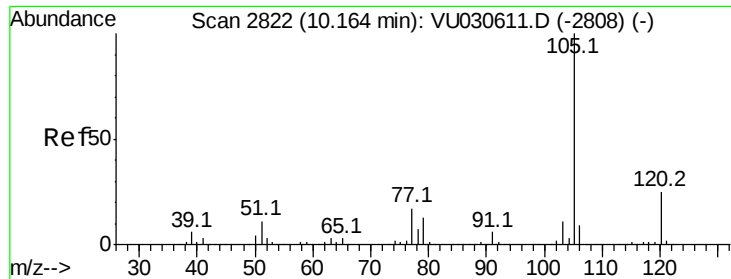
Abundance

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: 13.831 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion:105 Resp: 523917

Ion Ratio Lower Upper

105 100

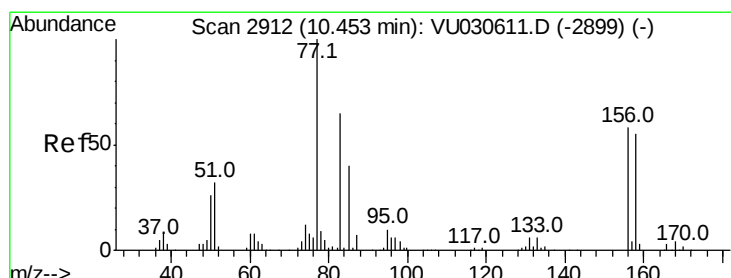
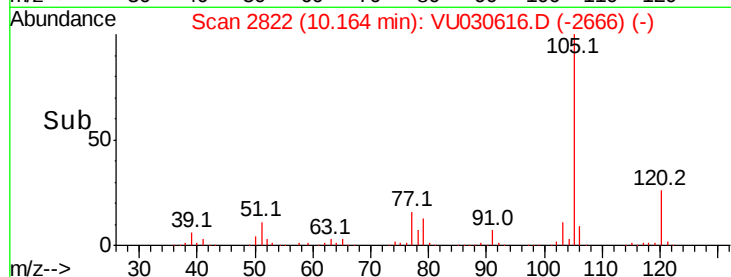
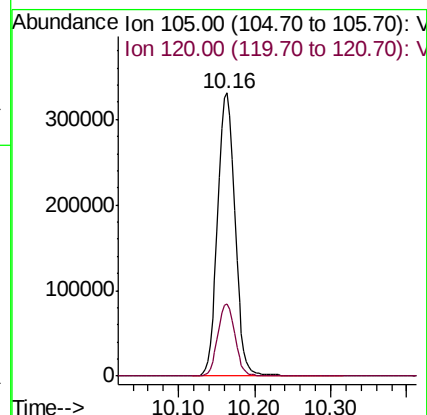
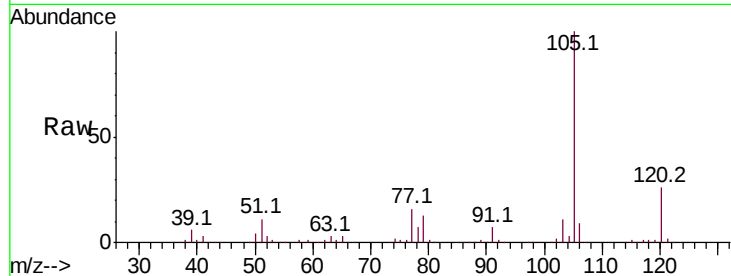
120 25.4 12.5 37.5

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#70

1,1,2,2-Tetrachloroethane

Concen: 12.059 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

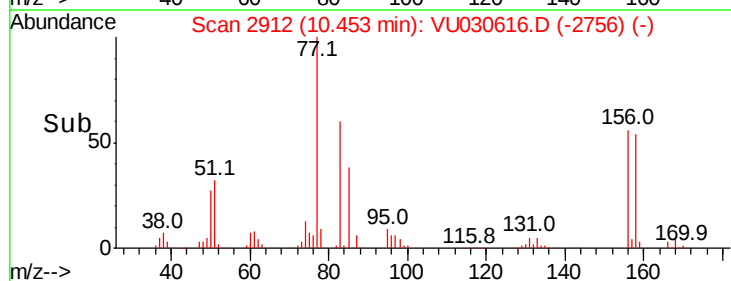
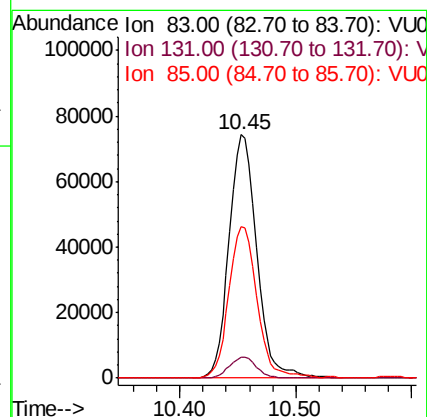
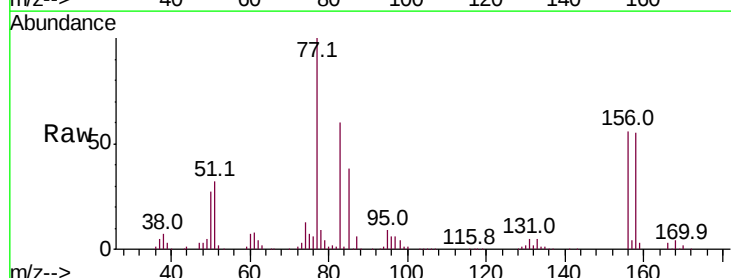
Tgt Ion: 83 Resp: 123138

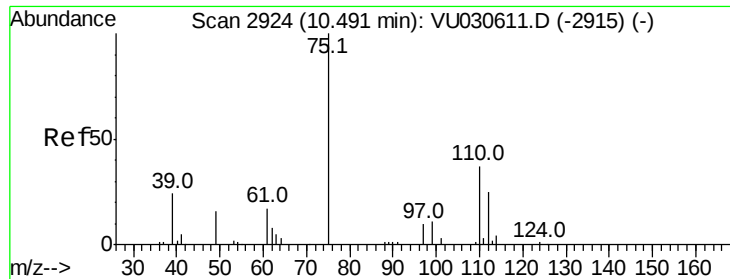
Ion Ratio Lower Upper

83 100

131 8.5 7.5 11.3

85 63.1 50.0 75.0





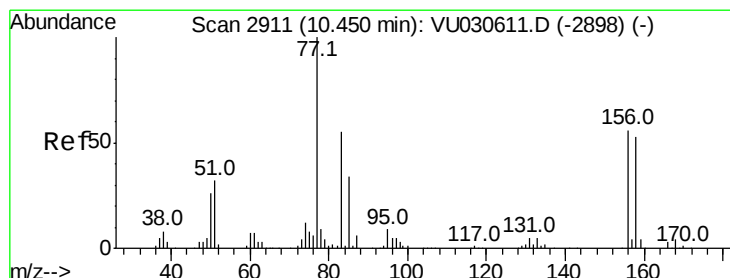
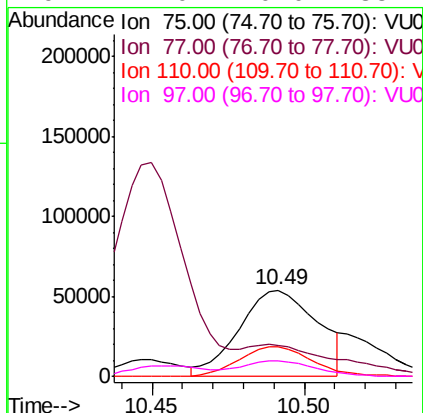
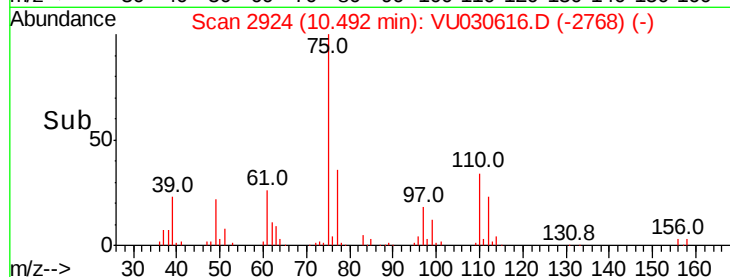
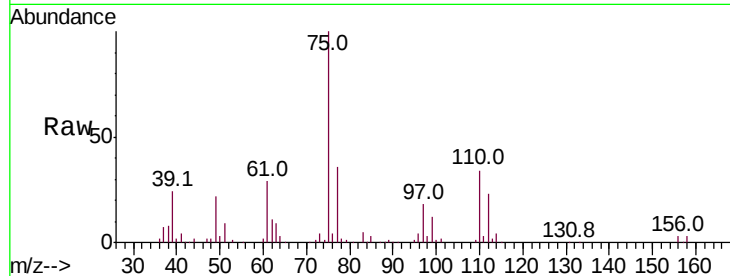
#71
1,2,3-Trichloropropane
Concen: 12.462 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	0.0	0.0	0.0	0.0
110	31.5	0.0	67.8	
97	17.0	0.0	35.2	

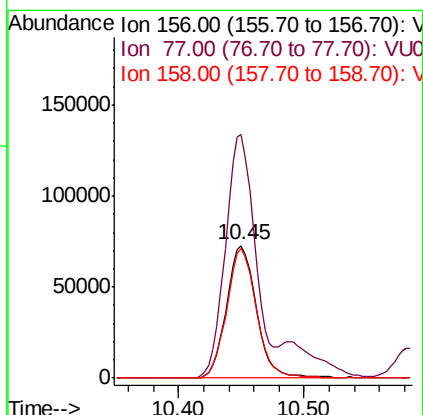
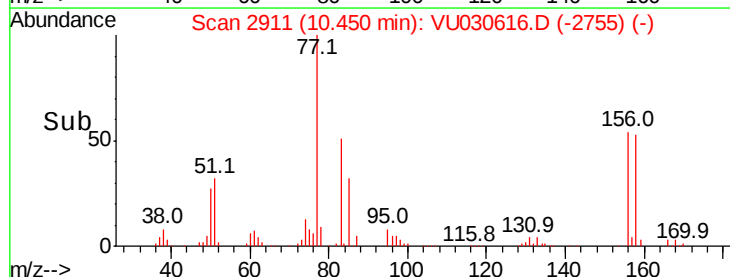
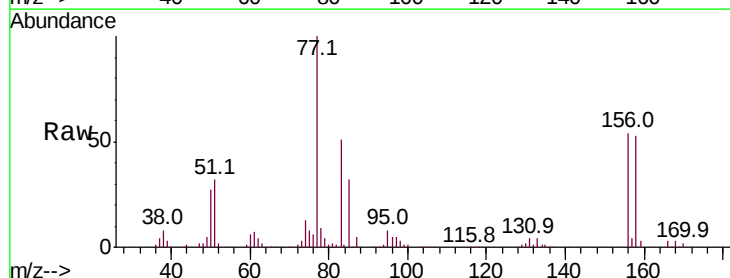
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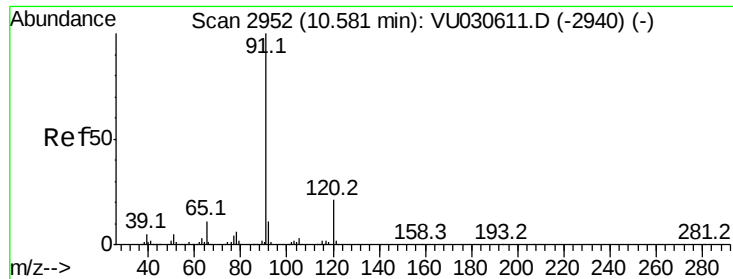
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#72
Bromobenzene
Concen: 12.759 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	180.1	0.0	362.2	
158	97.2	0.0	192.4	





#73

n-propylbenzene

Concen: 13.242 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion:120 Resp: 133476

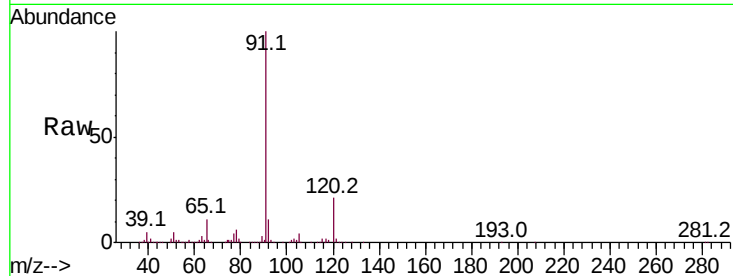
Ion Ratio Lower Upper

120 100

91 472.4 373.0 559.4

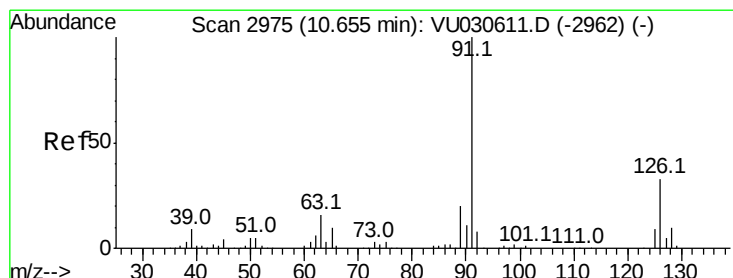
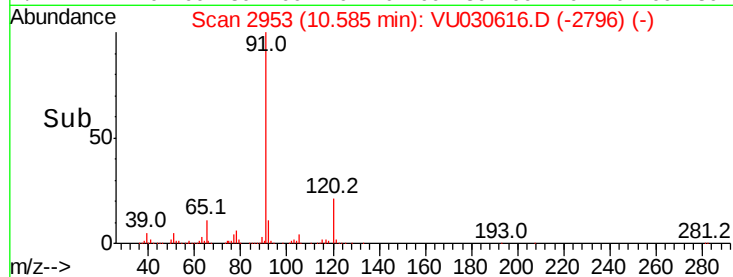
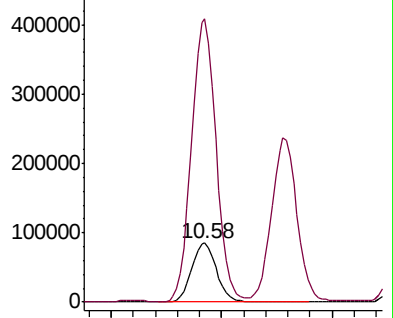
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 12.752 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030616.D

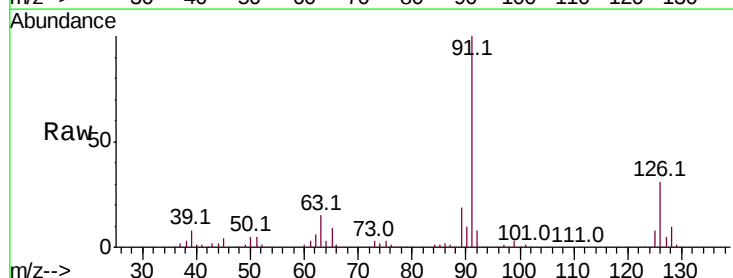
Acq: 02 Apr 2019 23:02

Tgt Ion:126 Resp: 116306

Ion Ratio Lower Upper

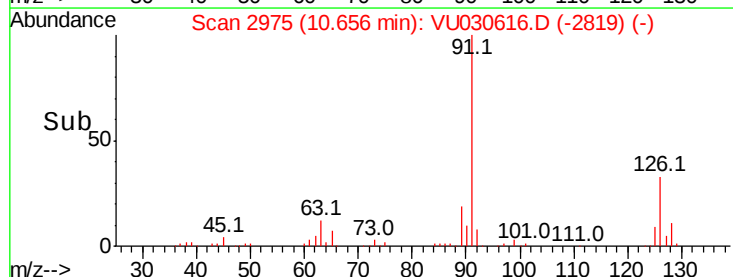
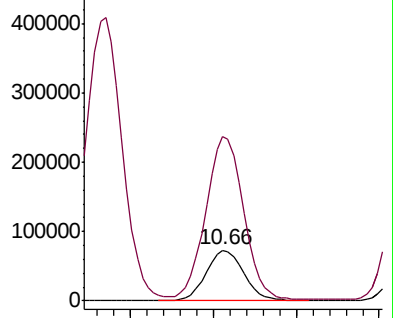
126 100

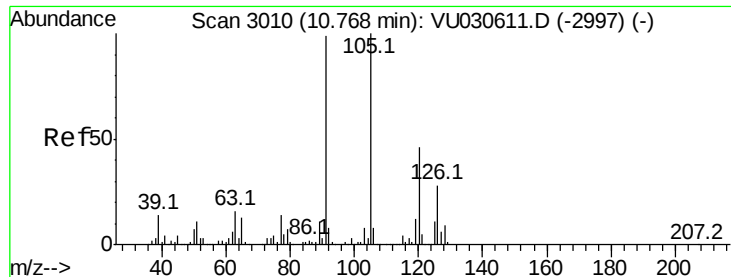
91 328.6 0.0 643.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 13.776 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

ICVVU040219

Tot Ion:105 Resp: 441353

Ion Ratio Lower Upper

105 100

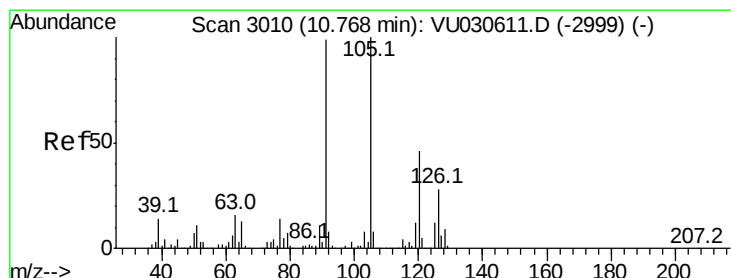
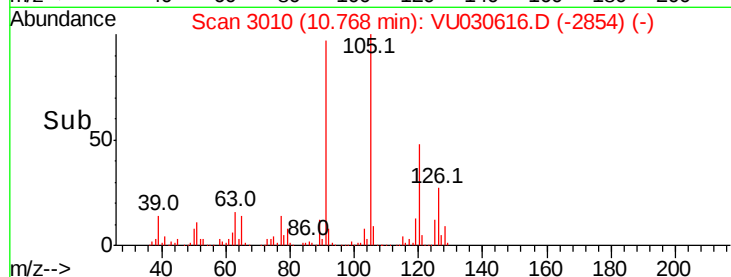
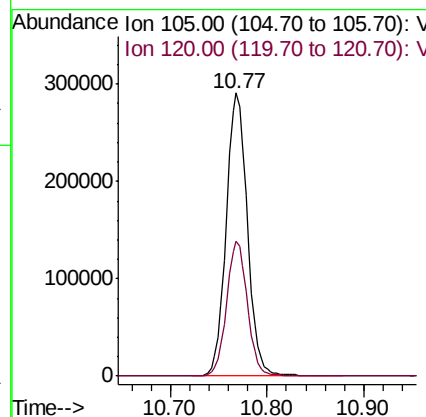
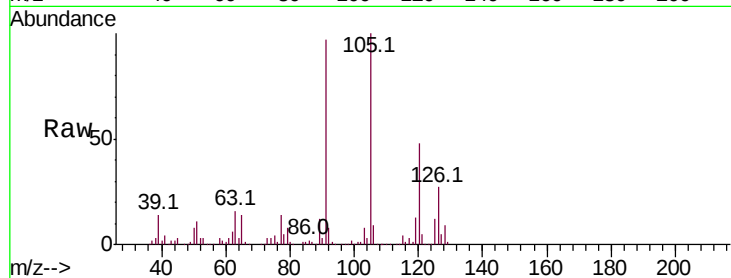
120 46.9 37.2 55.8

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#76

4-Chlorotoluene

Concen: 12.763 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030616.D

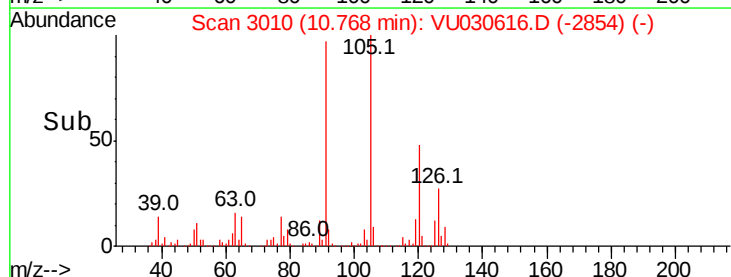
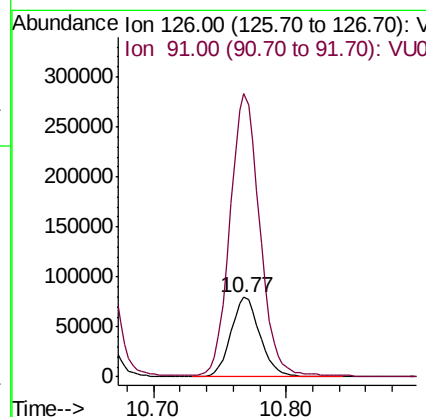
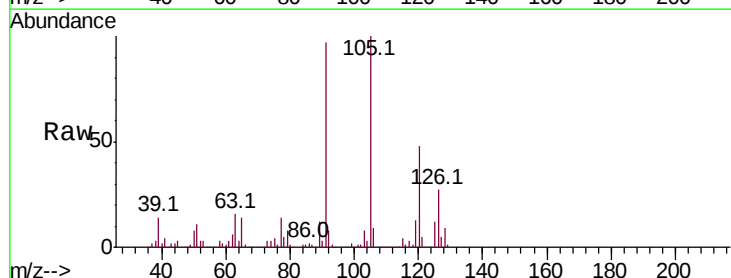
Acq: 02 Apr 2019 23:02

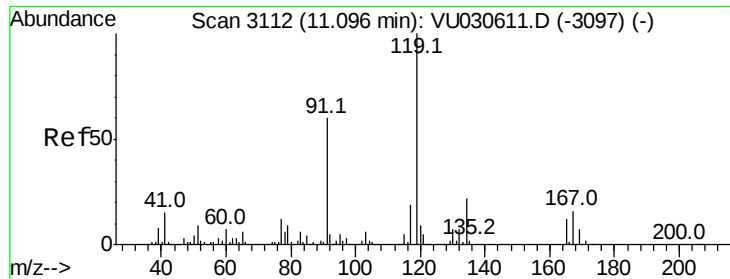
Tgt Ion:126 Resp: 119323

Ion Ratio Lower Upper

126 100

91 371.5 0.0 724.8





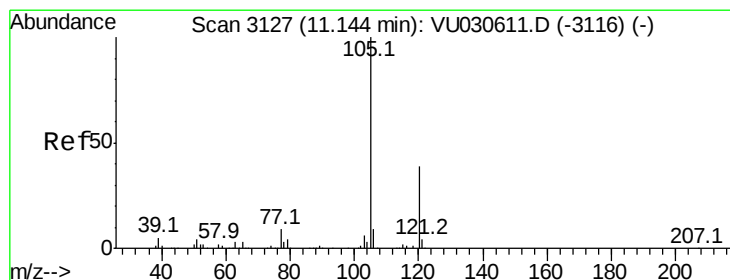
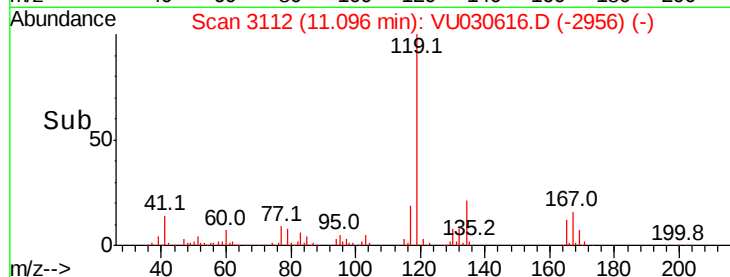
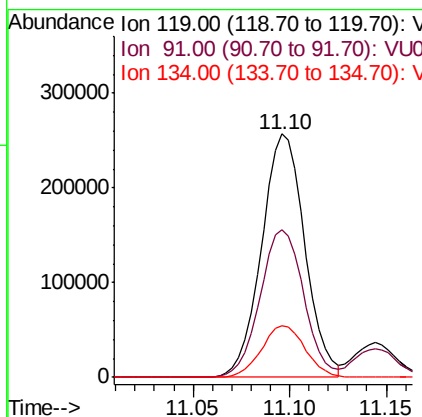
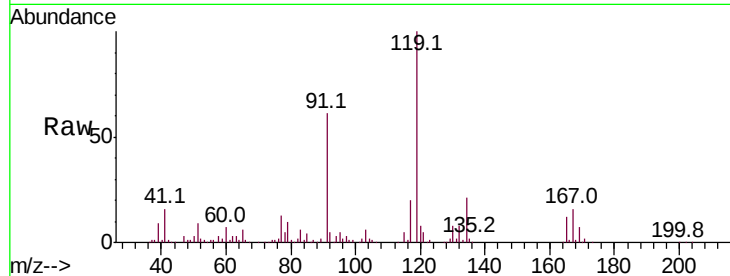
#77
tert-Butylbenzene
Concen: 12.871 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.7	92.1
134	21.6	17.5	26.3

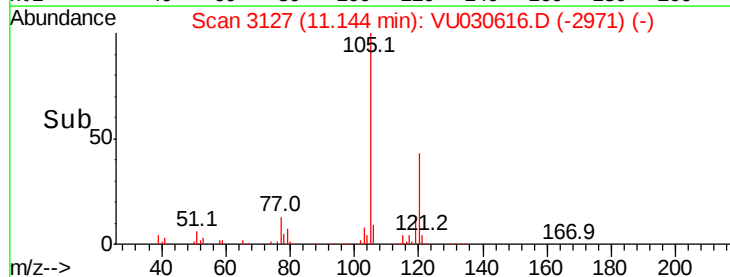
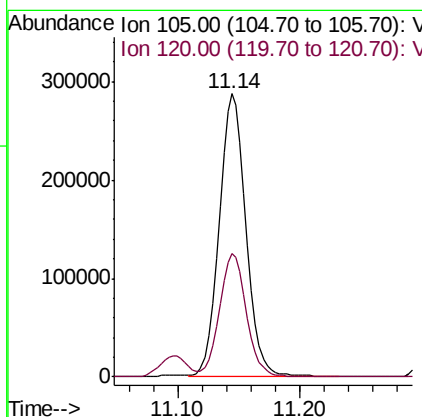
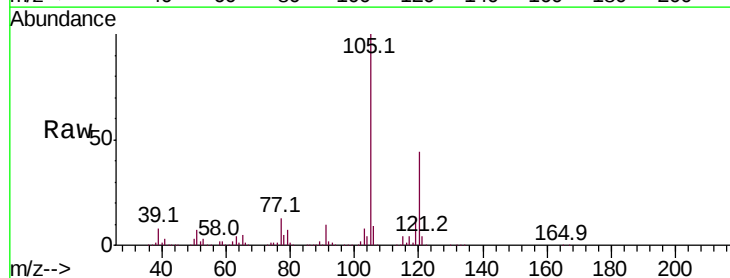
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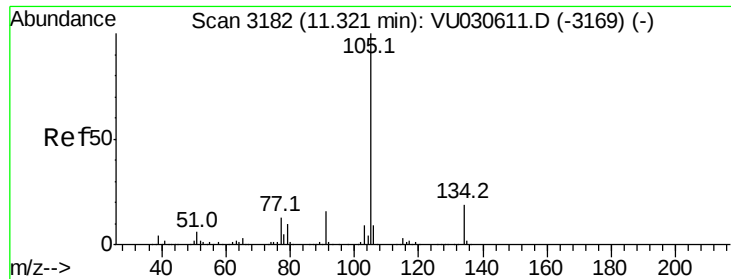
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#78
1,2,4-Trimethylbenzene
Concen: 13.519 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.5





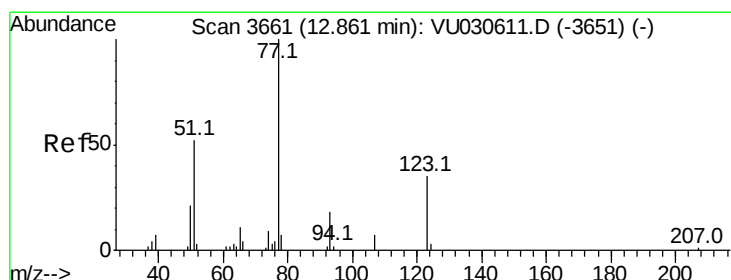
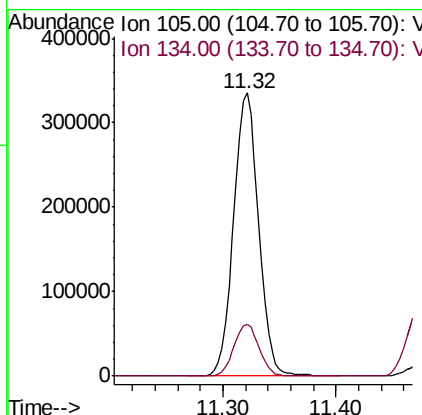
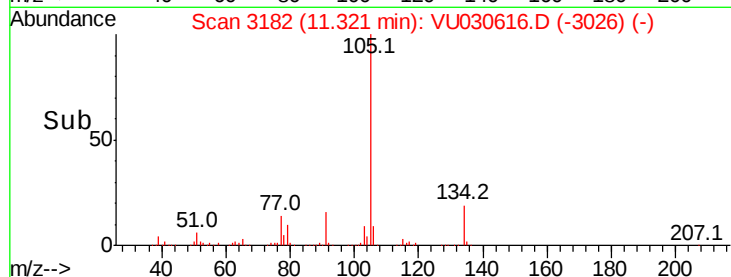
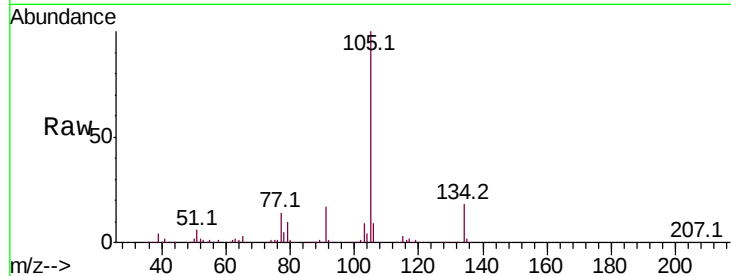
#79
 sec-Butylbenzene
 Concen: 12.145 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.0	22.6

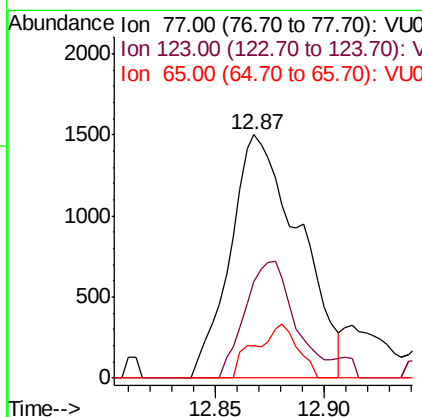
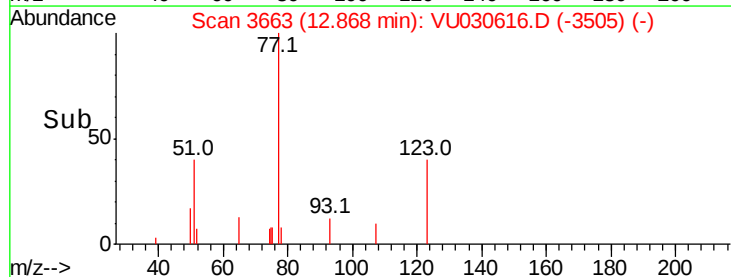
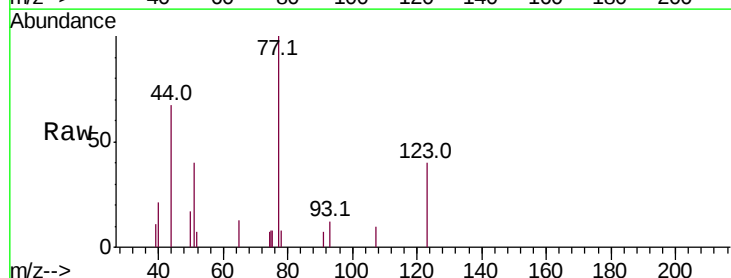
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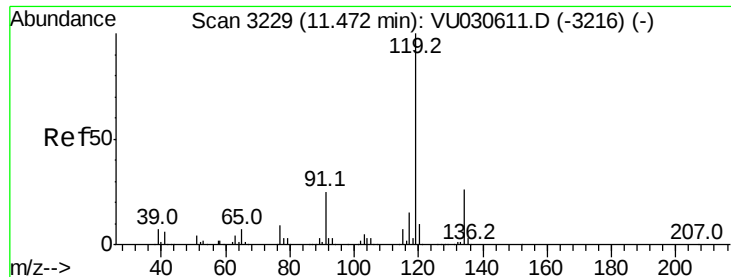
MMDadoda
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#80
 Nitrobenzene
 Concen: 11.872 ug/l m
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.01 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	29.5	16.5	58.5
65	13.5	11.2	14.2





#81

p-Isopropyltoluene

Concen: 13.577 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

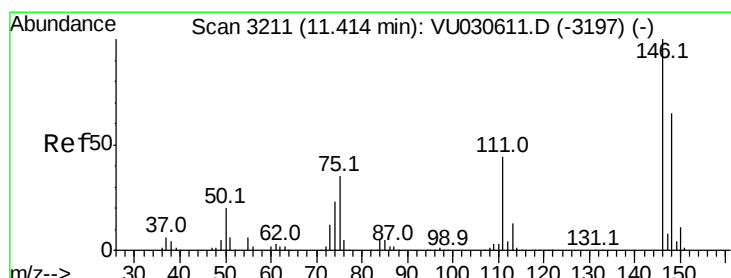
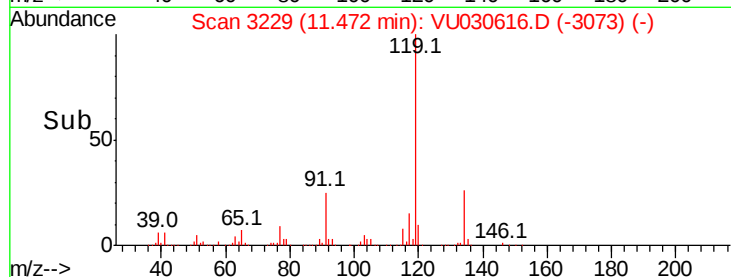
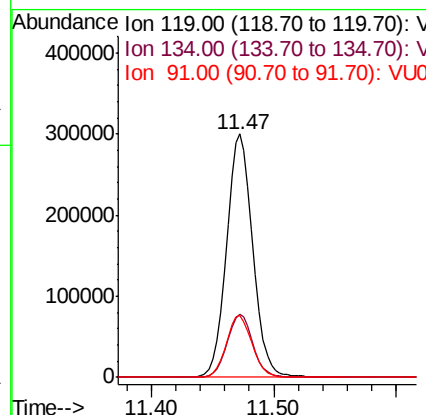
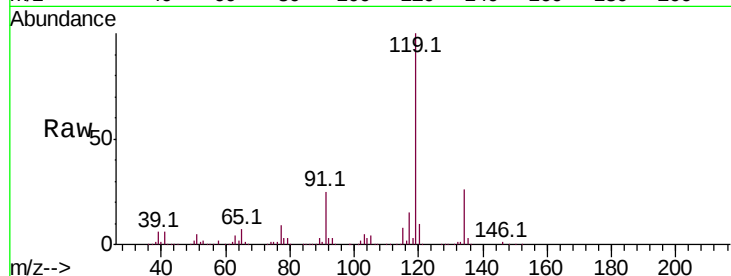
ClientSampleId :

ICVVU040219

Tot Ion:	119	Resp:	450667
Ion Ratio	Lower	Upper	
119	100		
134	25.8	20.3	30.5
91	25.3	20.2	30.4

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#82

1,3-Dichlorobenzene

Concen: 11.841 ug/l

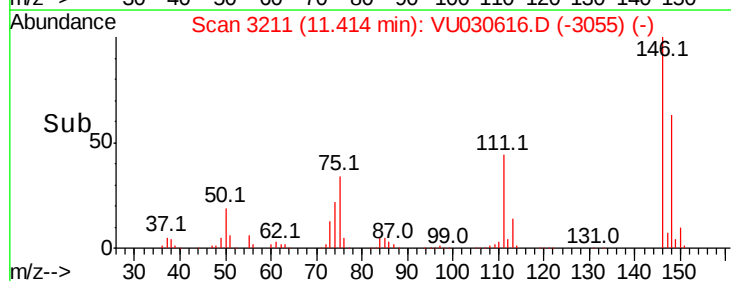
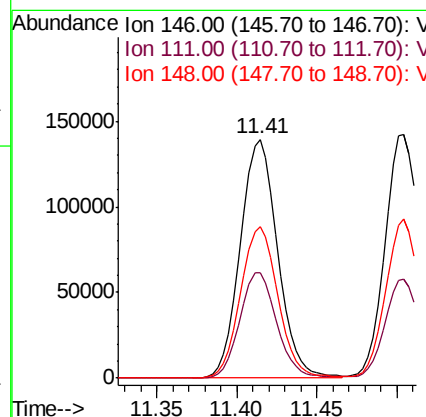
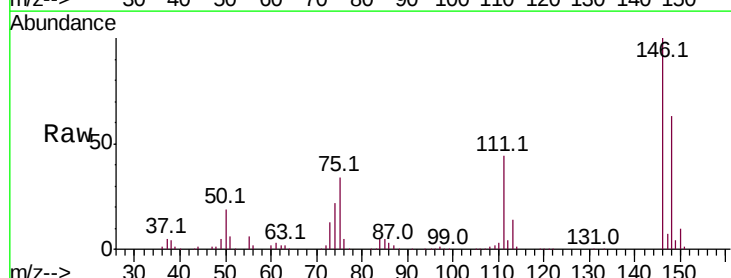
RT: 11.41 min Scan# 3211

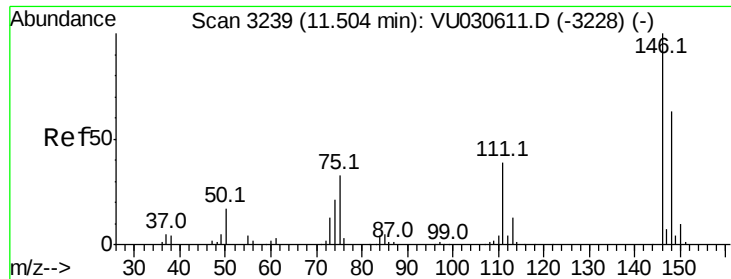
Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Tgt Ion:	146	Resp:	221537
Ion Ratio	Lower	Upper	
146	100		
111	43.8	34.6	51.8
148	63.5	51.3	76.9





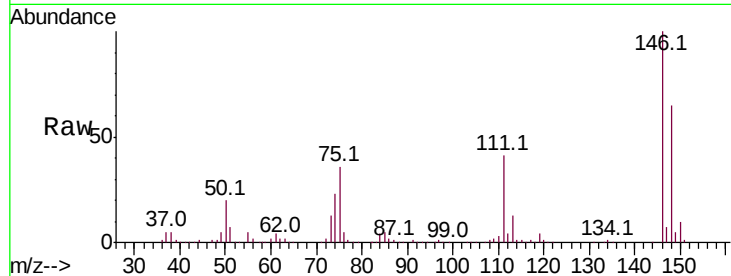
#83
1,4-Dichlorobenzene
Concen: 12.202 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.2	48.2
148	63.8	51.0	76.6

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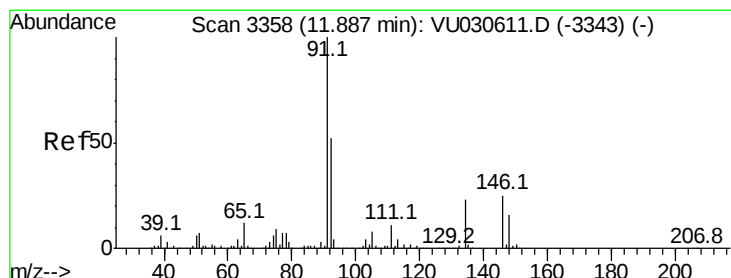
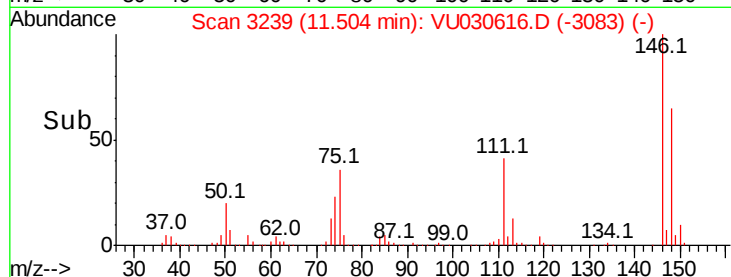
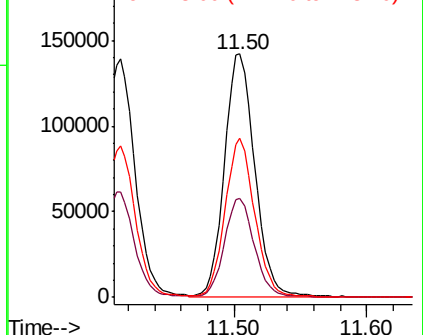


Abundance

Ion 146.00 (145.70 to 146.70): V

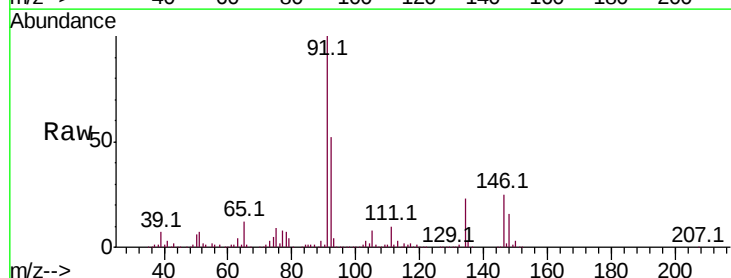
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84
n-Butylbenzene
Concen: 13.423 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	41.3	61.9
134	23.0	18.2	27.4

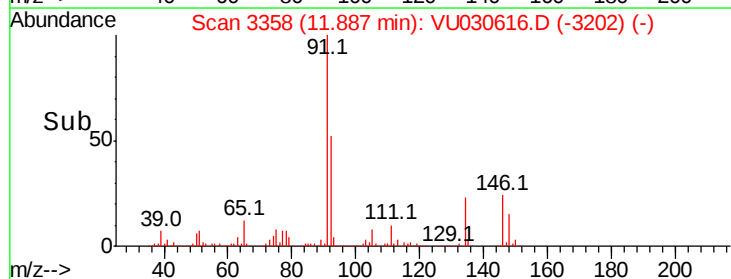
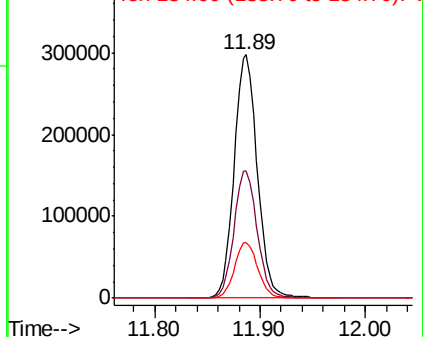


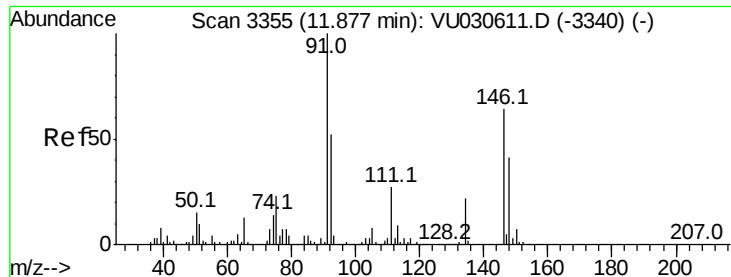
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 11.655 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Instrument :

MSVOA_U

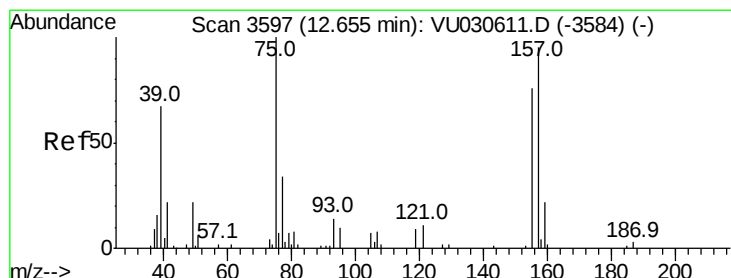
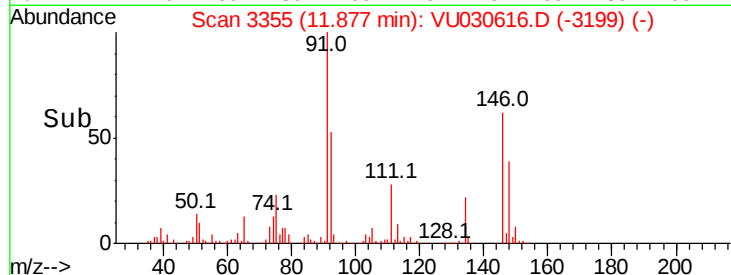
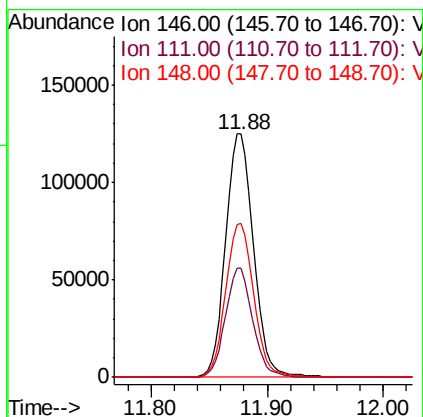
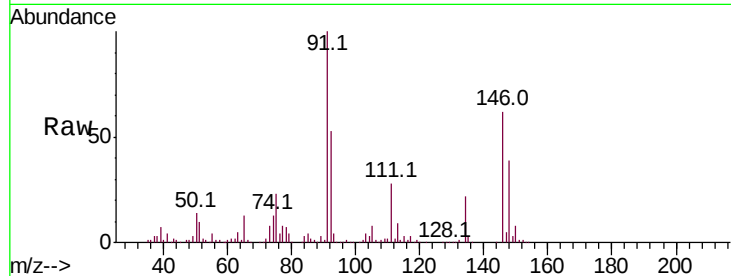
ClientSampleId :

ICVVU040219

Tot Ion:	146	Resp:	207159
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.8	65.3
148	63.7	31.7	95.1

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#86

1,2-Dibromo-3-Chloropropane

Concen: 12.254 ug/l

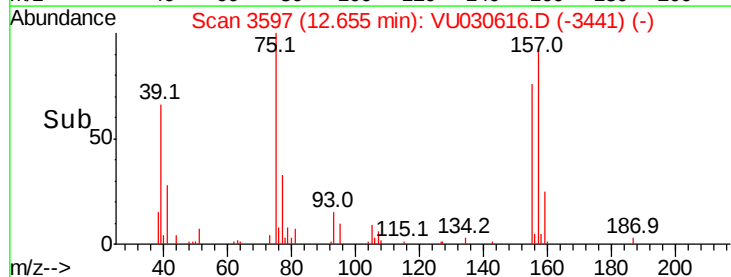
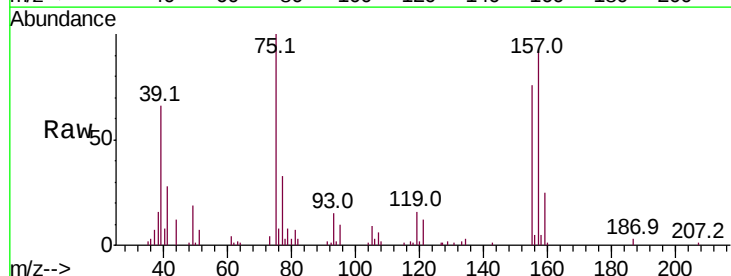
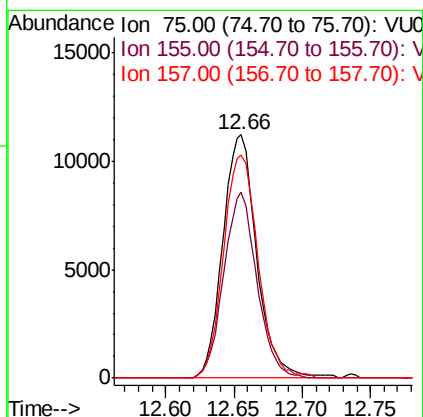
RT: 12.66 min Scan# 3597

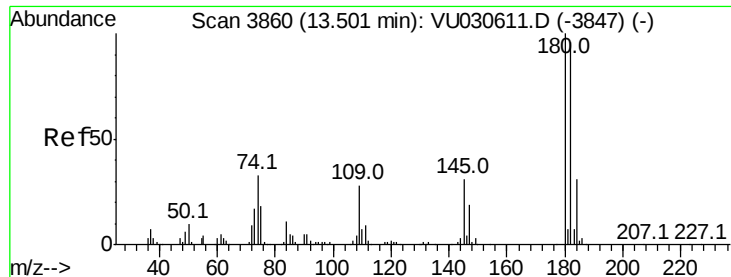
Delta R.T. 0.00 min

Lab File: VU030616.D

Acq: 02 Apr 2019 23:02

Tgt Ion:	75	Resp:	19423
Ion Ratio	Lower	Upper	
75	100		
155	74.5	61.3	91.9
157	93.3	77.4	116.0





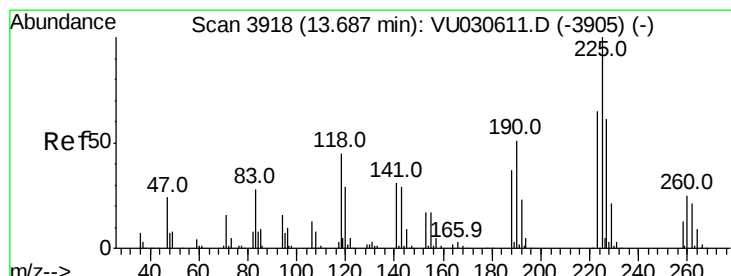
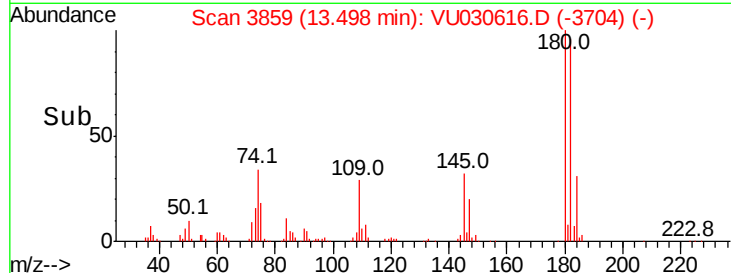
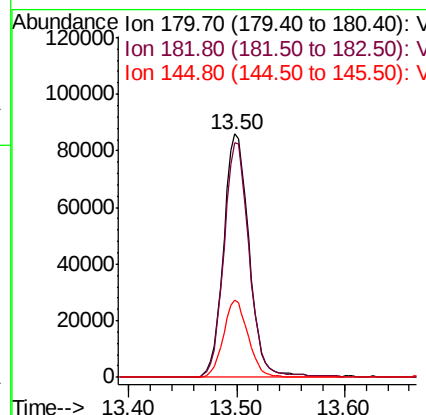
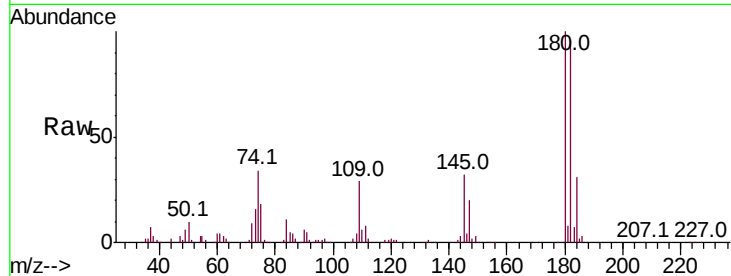
#87
 1,2,4-Trichlorobenzene
 Concen: 13.417 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	78.2	117.4	
145	30.6	24.4	36.6	

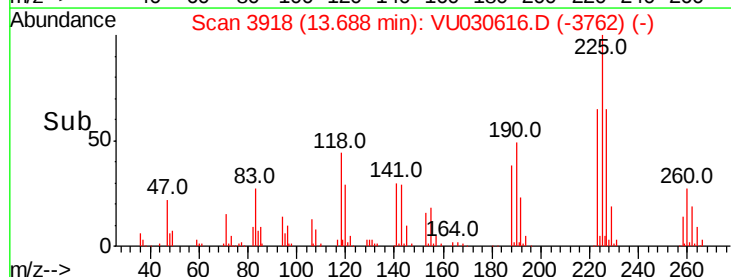
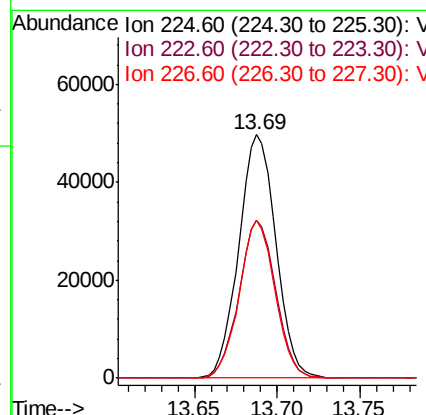
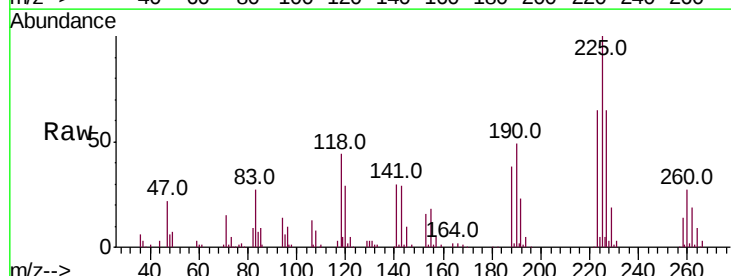
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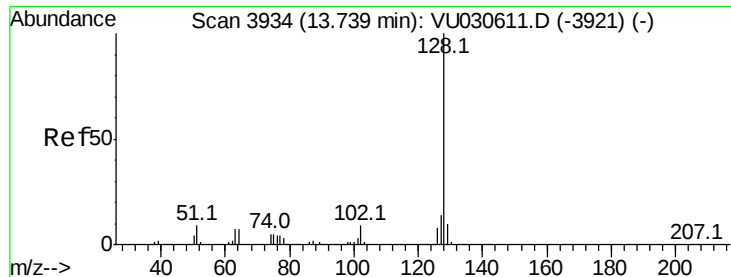
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#88
 Hexachlorobutadiene
 Concen: 12.322 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030616.D
 Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	52.6	78.8	
227	62.4	50.5	75.7	





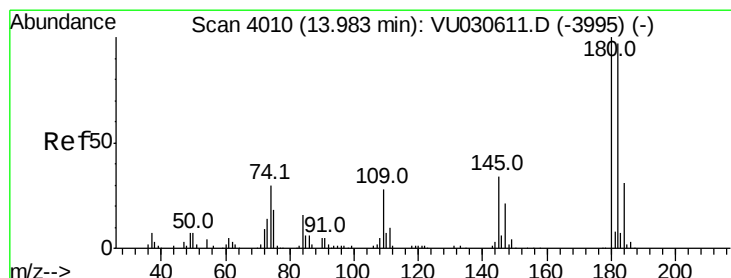
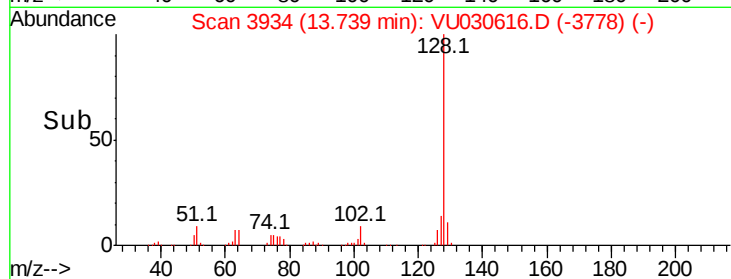
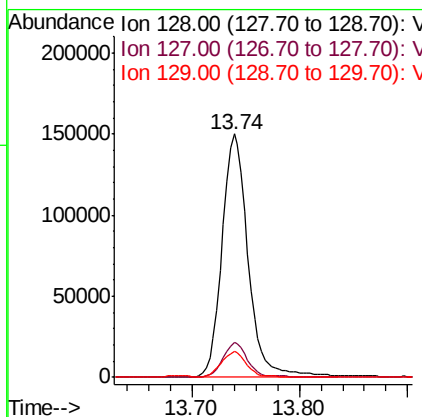
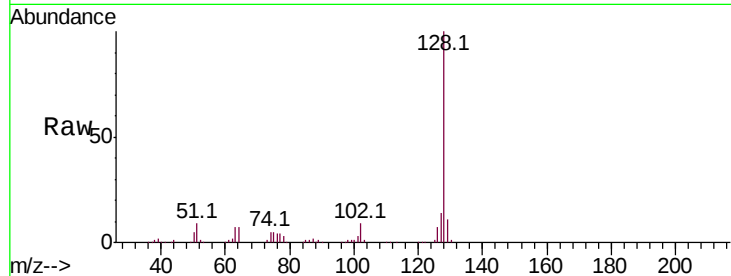
#89
Naphthalene
Concen: 11.197 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
ICVVU040219

Tot Ion	Ratio	Resp	Lower	Upper
128	100	253563		
127	13.9		10.7	16.1
129	10.5		8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 12.711 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU030616.D
Acq: 02 Apr 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133179		
182	96.4		77.4	116.0
145	32.3		26.2	39.2

