

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU030819\
 Data File : VU029844.D
 Acq On : 07 Mar 2019 09:47
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 11:47:15 AM

Quant Time: Mar 08 02:15:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	77972	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	30886	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	31354	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	225546	8.645	ug/l	99
3) Chloromethane	1.33	50	196640	8.464	ug/l	99
4) Vinyl Chloride	1.40	62	230682	8.826	ug/l	100
5) Bromomethane	1.62	94	128298	7.188	ug/l	99
6) Chloroethane	1.69	64	138345	8.828	ug/l	97
7) Trichlorofluoromethane	1.88	101	317416	8.912	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	181545	8.762	ug/l	98
9) 1,1-Dichloroethene	2.28	96	178491	8.801	ug/l	99
10) Iodomethane	2.41	142	199197	8.859	ug/l	100
11) Allyl Chloride	2.59	41	247904	8.695	ug/l	99
12) Acrylonitrile	2.93	53	75431	17.057	ug/l	99
13) Acetone	2.32	43	169158	46.185	ug/l	100
14) Carbon Disulfide	2.47	76	566471	8.625	ug/l	99
15) Methylene Chloride	2.69	84	201035	8.261	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	198627	8.670	ug/l	99
17) 1,1-Dichloroethane	3.44	63	348679	9.096	ug/l	99
18) 2-Butanone	4.27	43	237073	47.629	ug/l	99
19) Cyclohexane	4.98	56	276439m	9.288	ug/l	
20) Methylcyclohexane	6.41	83	332119	9.581	ug/l	100
21) 2,2-Dichloropropane	4.22	77	284238	9.072	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	220911	9.098	ug/l	99
23) Diethyl Ether	2.10	59	134143	8.822	ug/l	99
24) tert-Butyl Alcohol	2.83	59	139286	88.803	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	454368	8.896	ug/l	100
26) Bromochloromethane	4.54	128	96927	8.992	ug/l	99
27) Chloroform	4.67	83	350165	9.021	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	299187	9.091	ug/l	98
29) 1,1-Dichloropropene	5.13	75	263366	9.005	ug/l	98
30) Carbon Tetrachloride	5.13	117	268841	9.363	ug/l	97
31) Isopropyl Ether	3.57	45	479385	9.067	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	474529	9.234	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	448434	9.436	ug/l	99
34) Propionitrile	4.33	54	67185	45.376	ug/l	97
35) Benzene	5.38	78	785972	9.123	ug/l	100
36) 1,2-Dichloroethane	5.40	62	209358	8.897	ug/l	99
37) Trichloroethene	6.18	130	222537	8.847	ug/l	99
38) 1,2-Dichloropropane	6.43	63	199214	9.135	ug/l	99
39) Methacrylonitrile	4.55	41	58450	9.385	ug/l	97
40) Methyl acrylate	4.42	55	93332	9.481	ug/l	99
41) Tetrahydrofuran	4.65	42	57717	17.718	ug/l	99
42) 1-Chlorobutane	5.06	56	350516	9.381	ug/l	99

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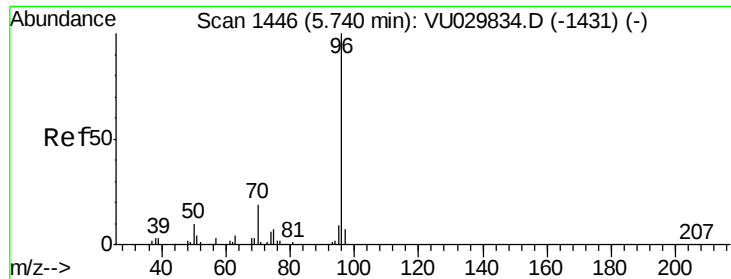
Manual Integrations
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Quant Time: Mar 08 02:15:13 2019
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	103014	9.114	ug/l	99
44) Bromodichloromethane	6.75	83	254190	9.157	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	557785	47.317	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	100620m	20.416	ug/l	
47) Methyl methacrylate	6.62	69	188063	19.389	ug/l	99
48) Ethyl methacrylate	8.02	69	187538	10.091	ug/l	98
49) Toluene	7.63	92	494461	9.345	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	233153	9.584	ug/l	99
51) cis-1,3-Dichloropropene	7.26	75	289143	9.601	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	150059	8.969	ug/l	98
53) 1,3-Dichloropropane	8.24	76	247584	9.022	ug/l	98
54) 2-Hexanone	8.36	43	399447	48.790	ug/l	100
55) Dibromochloromethane	8.47	129	188889	9.513	ug/l	100
56) 1,2-Dibromoethane	8.58	107	144203	9.090	ug/l	100
58) Tetrachloroethene	8.22	164	228788	8.904	ug/l	98
59) Chlorobenzene	9.12	112	565222	9.295	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	200357	9.185	ug/l	99
61) Pentachloroethane	11.10	117	140855	9.275	ug/l	98
62) Hexachloroethane	12.14	117	160653	10.056	ug/l	97
63) Ethyl Benzene	9.24	91	960749	9.645	ug/l	99
64) m/p-Xylenes	9.37	106	771525	19.593	ug/l	99
65) o-Xylene	9.77	106	368788	9.751	ug/l	98
66) Styrene	9.79	104	630673	10.038	ug/l	99
67) Bromoform	9.95	173	114531	9.820	ug/l	99
69) Isopropylbenzene	10.16	105	978381	9.756	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	187766	9.202	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	133337m	8.793	ug/l	
72) Bromobenzene	10.45	156	249266	9.390	ug/l	99
73) n-propylbenzene	10.58	120	283347	10.050	ug/l	99
74) 2-Chlorotoluene	10.66	126	243796	9.748	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	836939	9.906	ug/l	100
76) 4-Chlorotoluene	10.77	126	249207	9.772	ug/l	100
77) tert-Butylbenzene	11.10	119	811120	9.703	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	859385	10.066	ug/l	100
79) sec-Butylbenzene	11.32	105	1110598	10.025	ug/l	100
80) Nitrobenzene	12.86	77	22429	60.552	ug/l	99
81) p-Isopropyltoluene	11.47	119	945306	10.193	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	491679	9.352	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	491223	9.562	ug/l	99
84) n-Butylbenzene	11.89	91	863400	10.217	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	461943	9.318	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	28276	9.706	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	322446	10.157	ug/l	99
88) Hexachlorobutadiene	13.69	225	190174	9.510	ug/l	99
89) Naphthalene	13.74	128	536737	8.791	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	291329	9.768	ug/l	98

(#) = 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: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

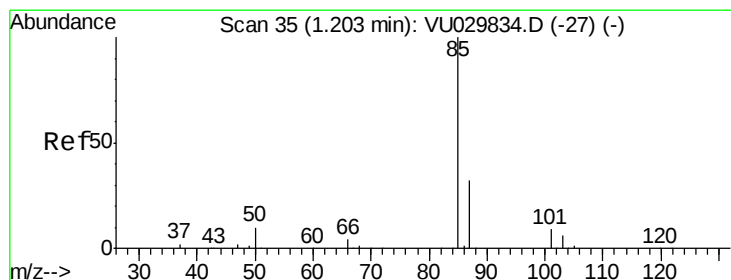
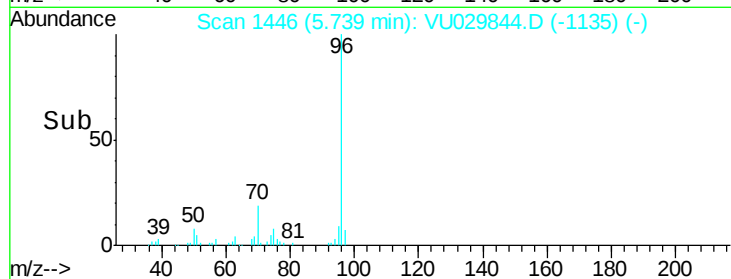
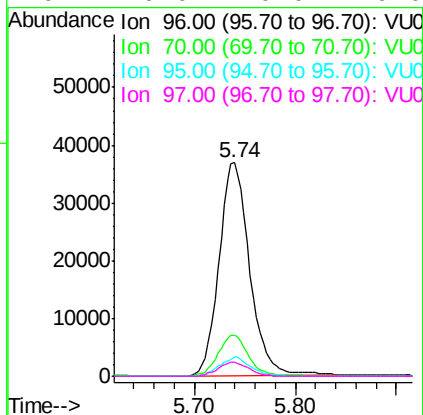
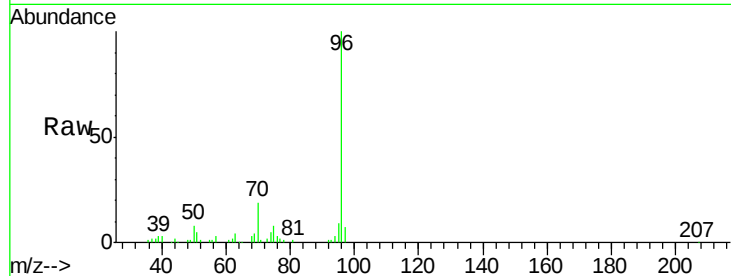
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	77972
Ion	Ratio	Lower	Upper
96	100		
70	19.4	14.4	21.6
95	8.8	7.0	10.6
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 8.645 ug/l

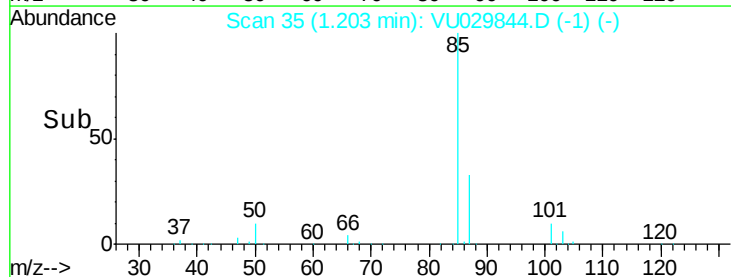
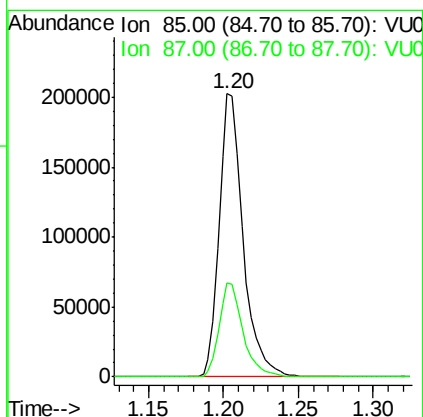
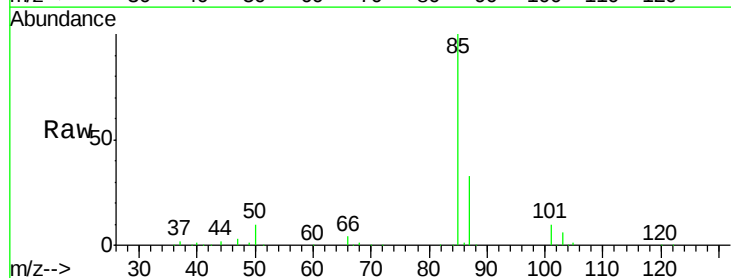
RT: 1.20 min Scan# 35

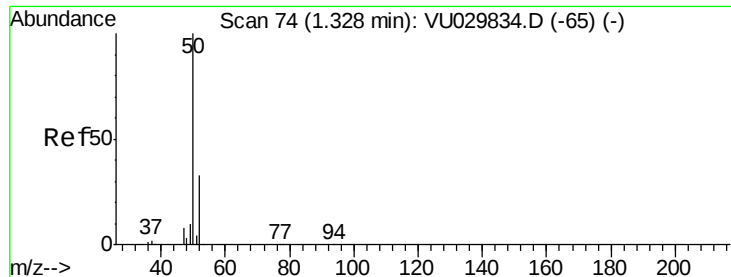
Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Tgt Ion:	85	Resp:	225546
Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6





#3

Chloromethane

Concen: 8.464 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 50 Resp: 196640

Ion Ratio Lower Upper

50 100

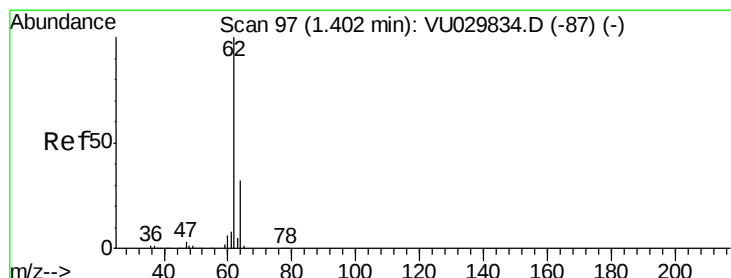
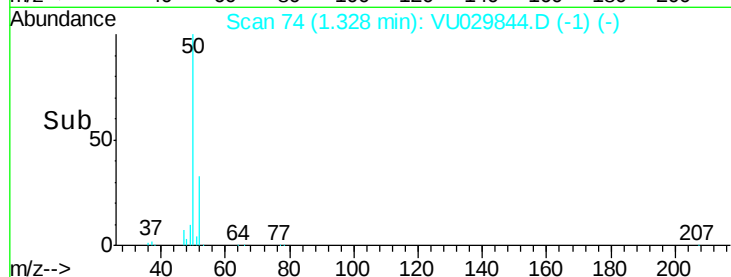
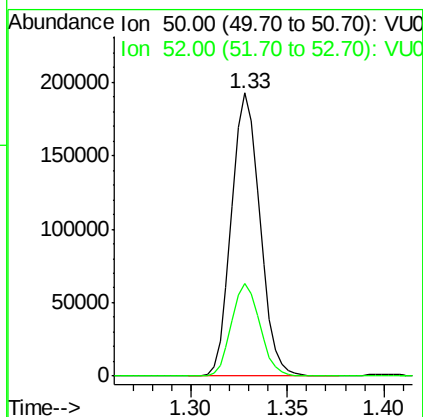
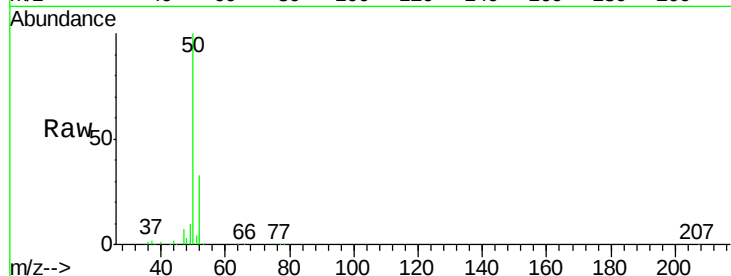
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 8.826 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029844.D

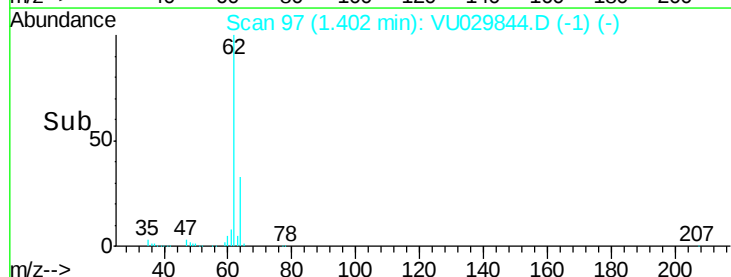
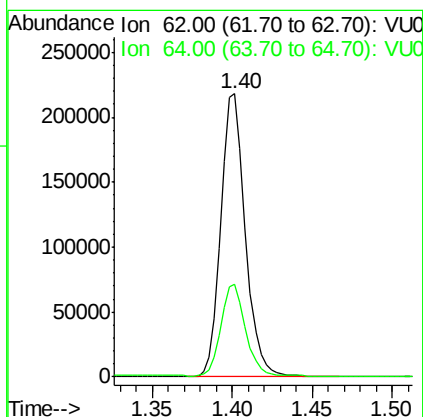
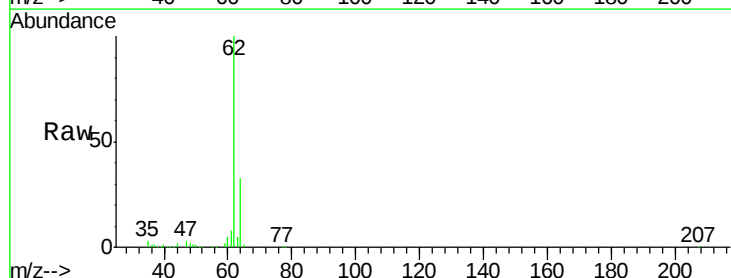
Acq: 07 Mar 2019 09:47

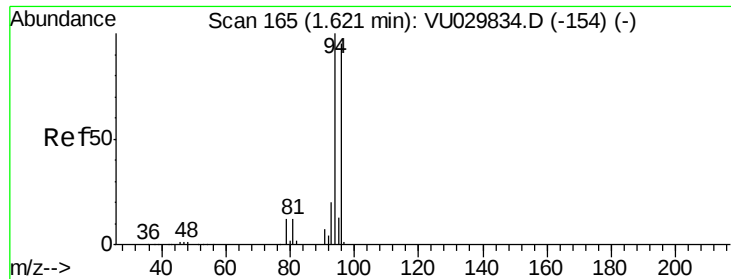
Tgt Ion: 62 Resp: 230682

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 7.188 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 94 Resp: 128298

Ion Ratio Lower Upper

94 100

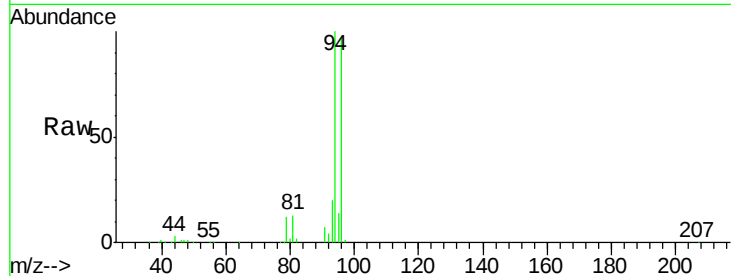
96 96.9 76.4 114.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU029834.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU029834.D (-154) (-)

1.62

100000

80000

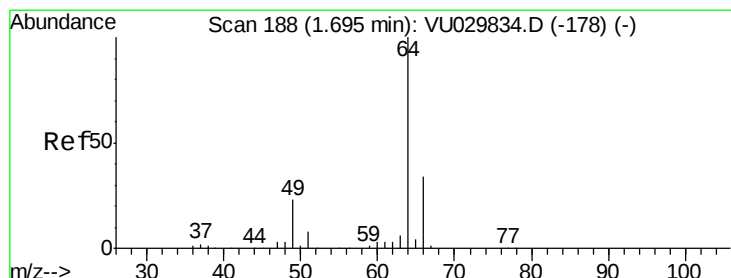
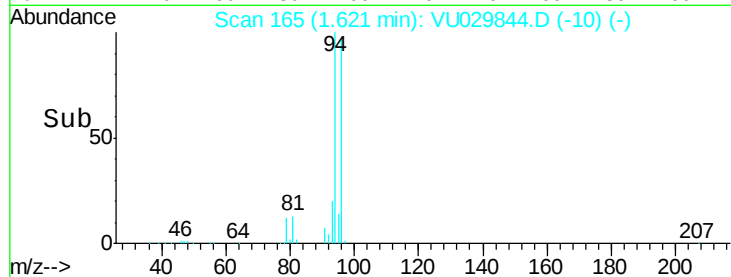
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 8.828 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029844.D

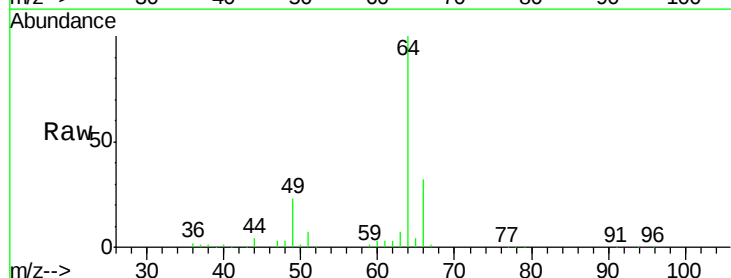
Acq: 07 Mar 2019 09:47

Tgt Ion: 64 Resp: 138345

Ion Ratio Lower Upper

64 100

66 32.4 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU029834.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU029834.D (-178) (-)

1.69

120000

100000

80000

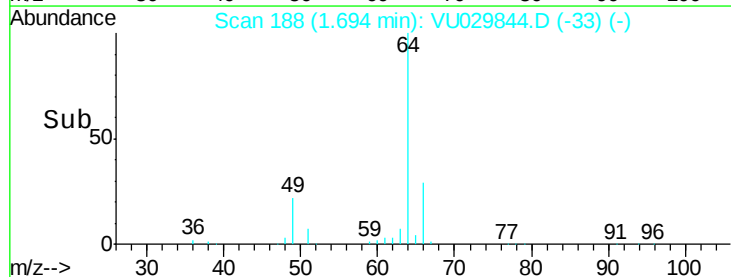
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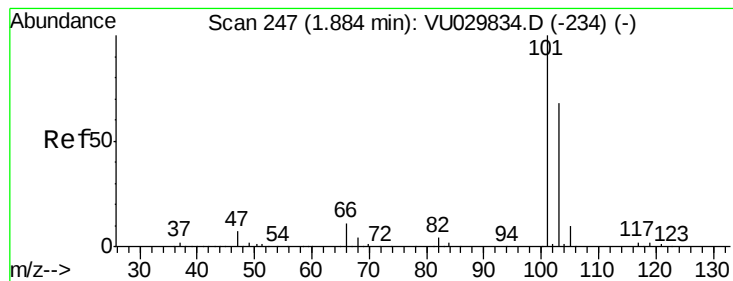
40000

20000

0

Time--> 1.60 1.65 1.70 1.75 1.80





#7

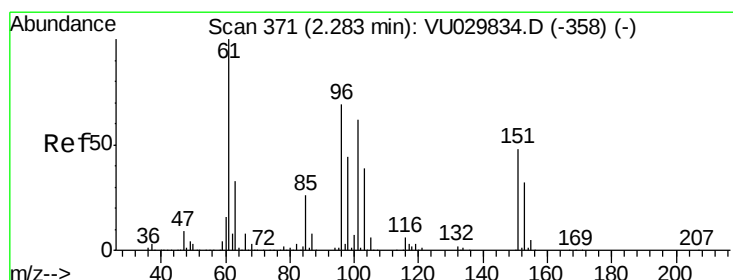
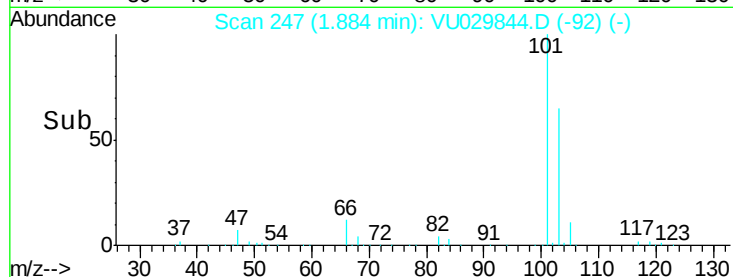
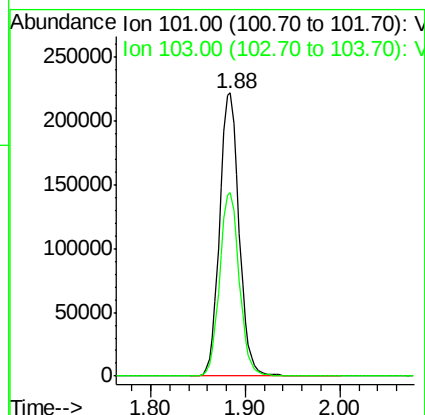
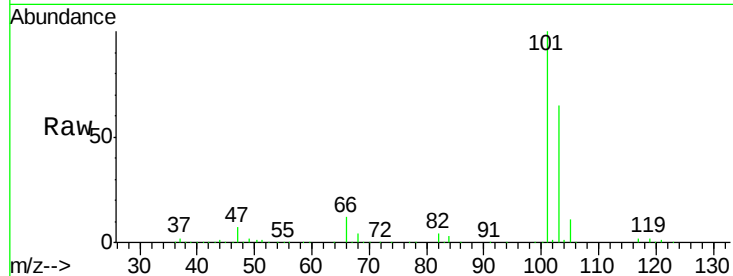
Trichlorofluoromethane
Concen: 8.912 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	54.2	81.2

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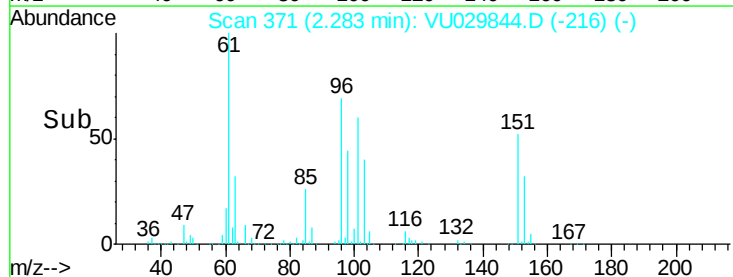
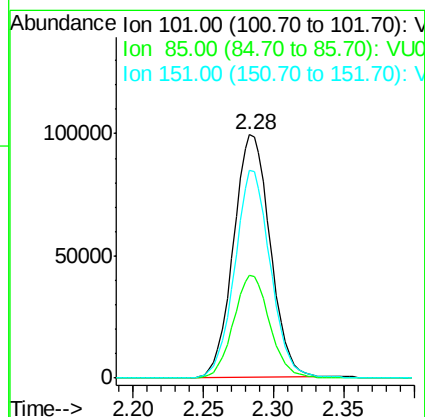
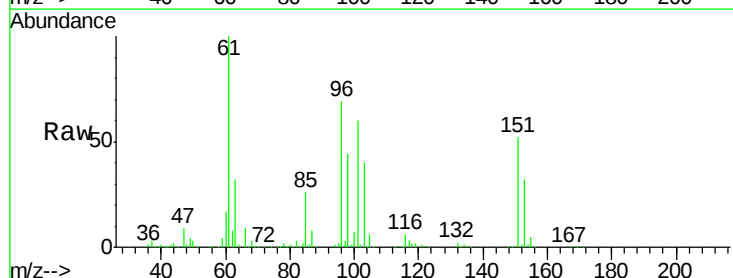
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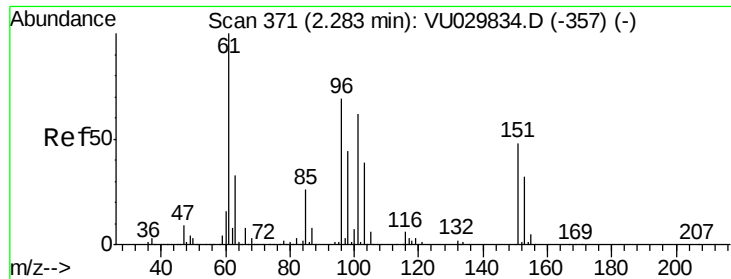


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 8.762 ug/l
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.4	50.0
151	82.9	64.6	97.0





#9

1,1-Dichloroethene

Concen: 8.801 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

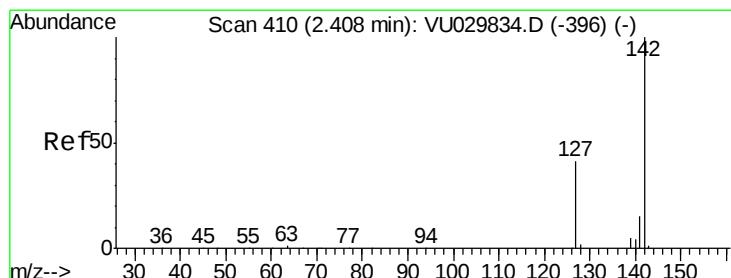
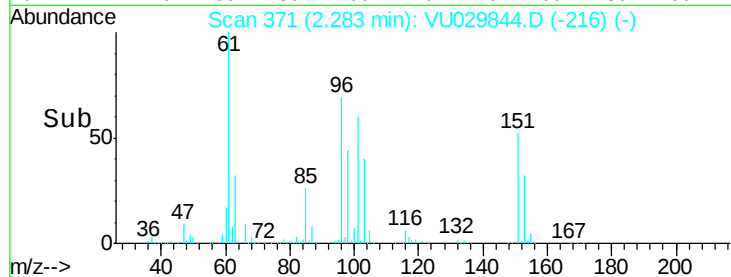
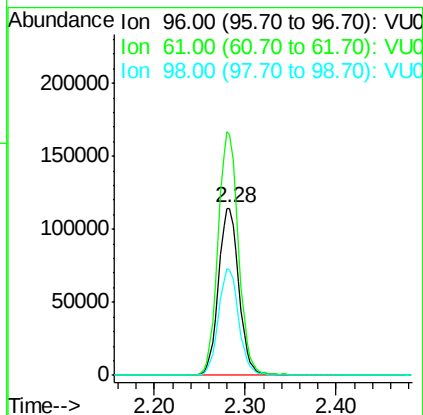
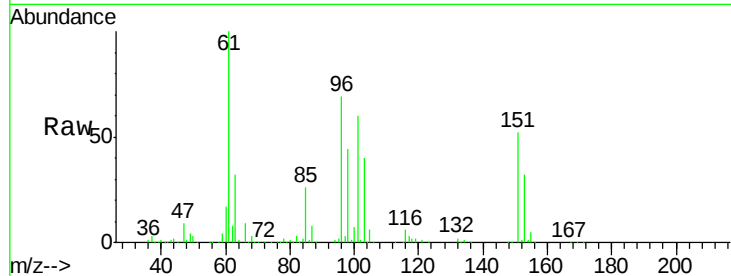
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	178491
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	435.3
98	63.5	0.0	128.6

Manual Integrations
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3/8/2019 11:47:15 AM



#10

Iodomethane

Concen: 8.859 ug/l

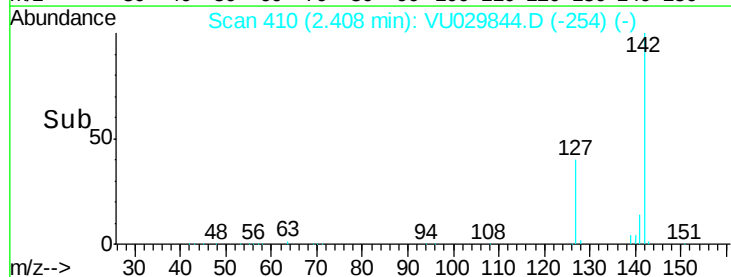
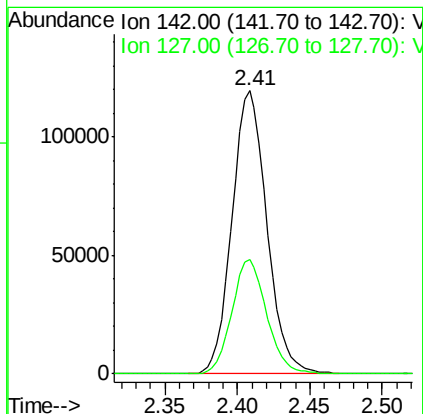
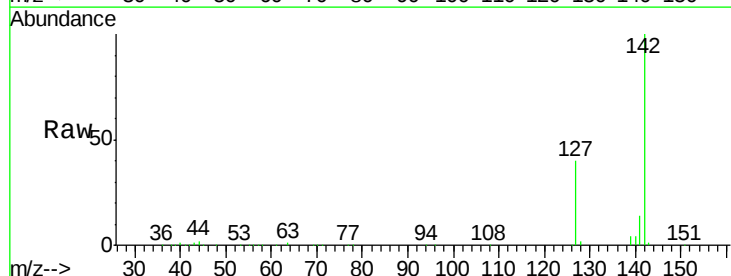
RT: 2.41 min Scan# 410

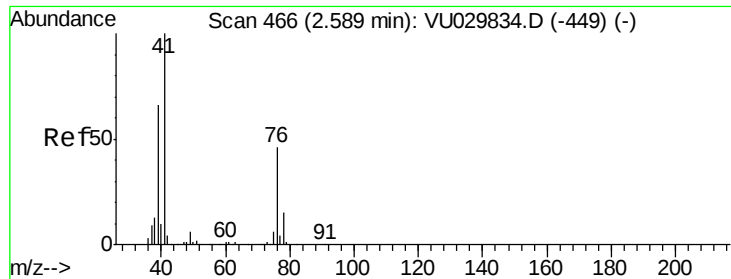
Delta R.T. 0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Tgt Ion:	142	Resp:	199197
Ion	Ratio	Lower	Upper
142	100		
127	40.6	32.3	48.5





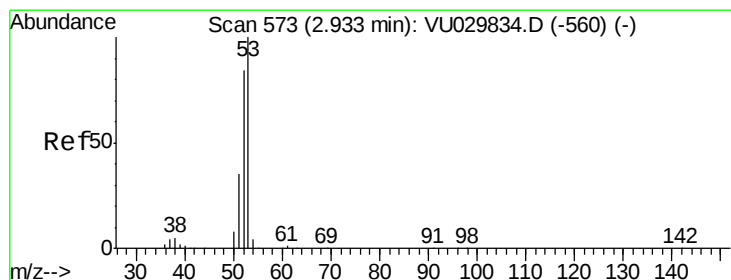
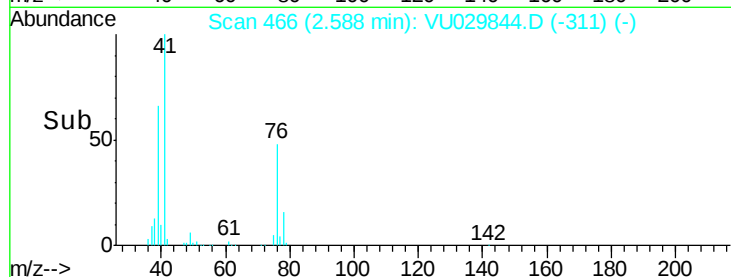
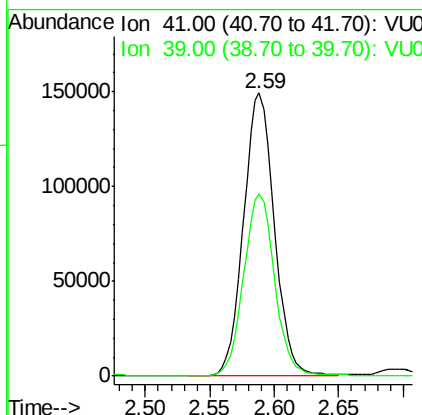
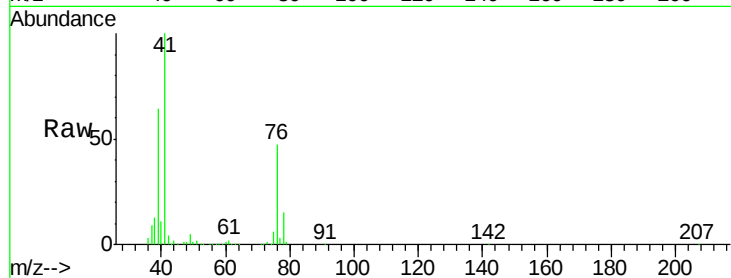
#11
Allvl Chloride
Concen: 8.695 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 247904
Ion Ratio Lower Upper
41 100
39 65.0 51.6 77.4

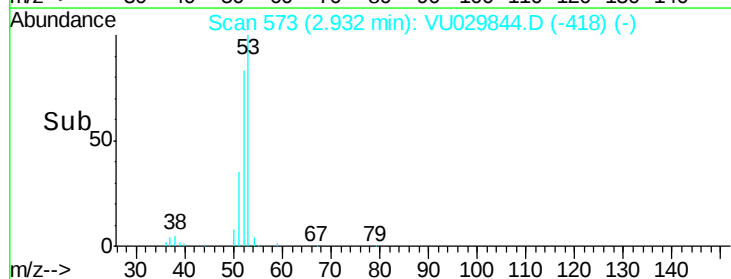
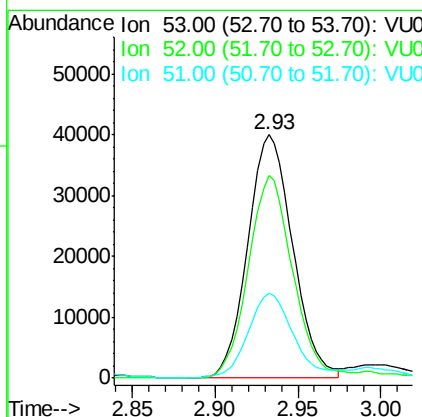
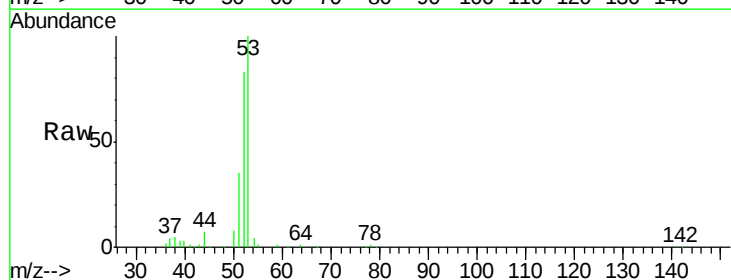
Manual Integrations
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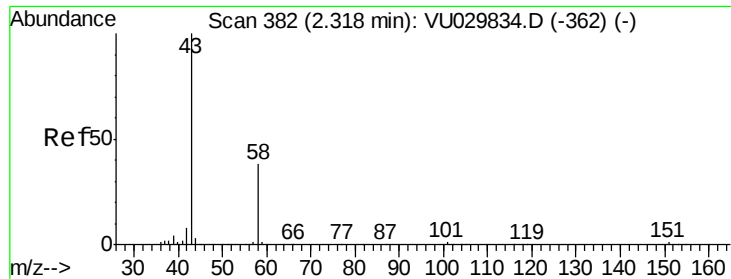
MMDadoda
3/8/2019 11:47:15 AM



#12
Acrylonitrile
Concen: 17.057 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion: 53 Resp: 75431
Ion Ratio Lower Upper
53 100
52 82.3 66.5 99.7
51 35.6 28.6 42.8





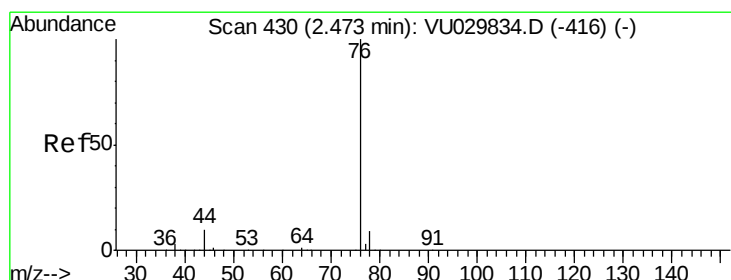
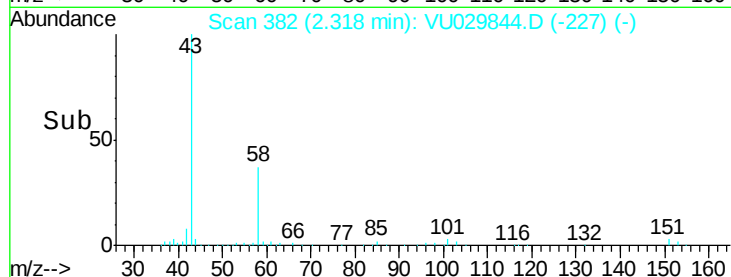
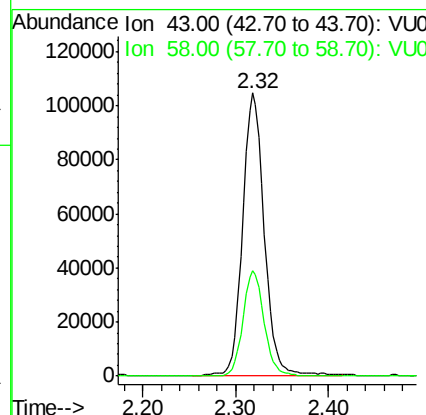
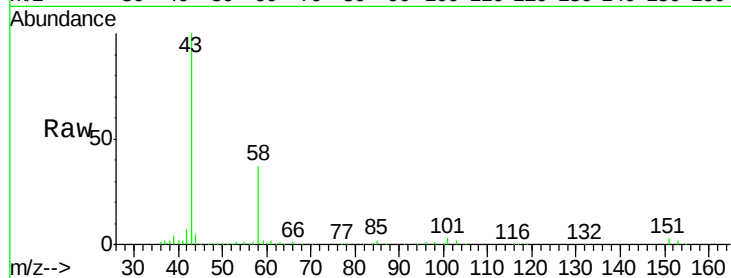
#13
Acetone
Concen: 46.185 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 169158
Ion Ratio Lower Upper
43 100
58 37.4 30.2 45.2

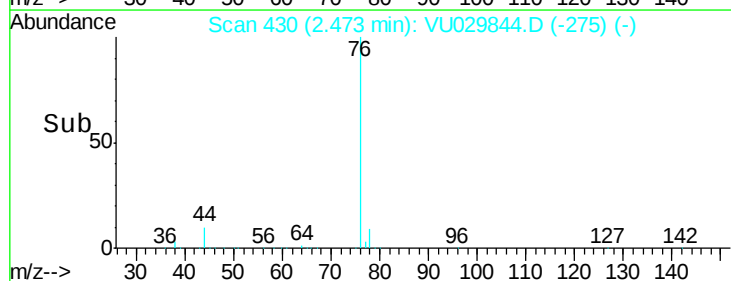
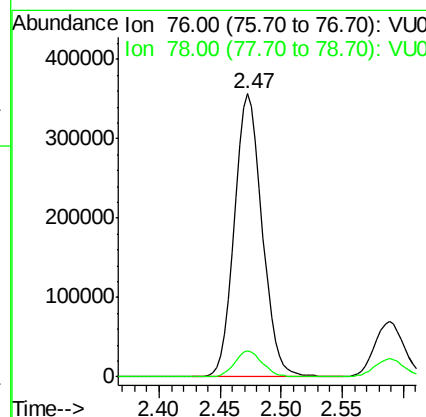
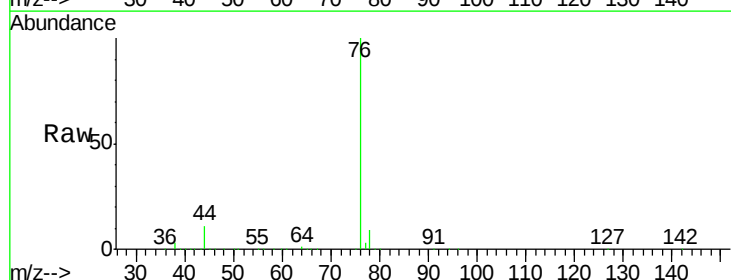
Manual Integrations
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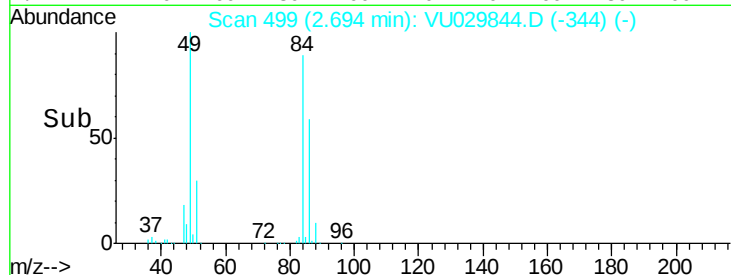
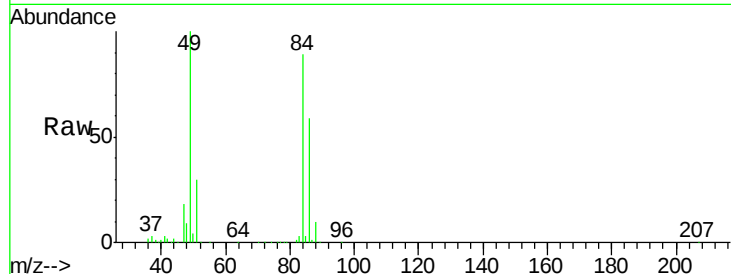
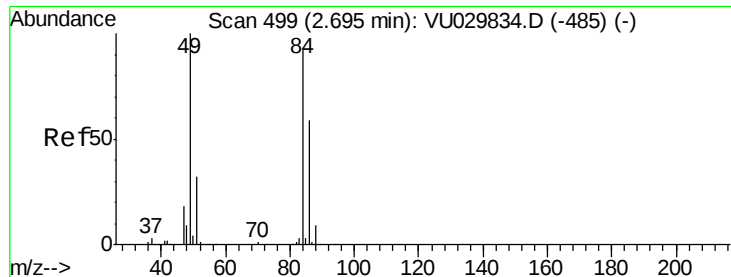
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#14
Carbon Disulfide
Concen: 8.625 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion: 76 Resp: 566471
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8





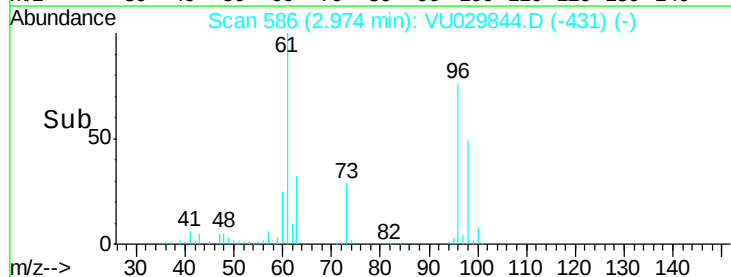
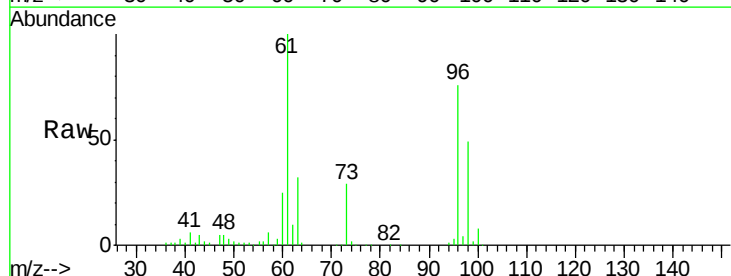
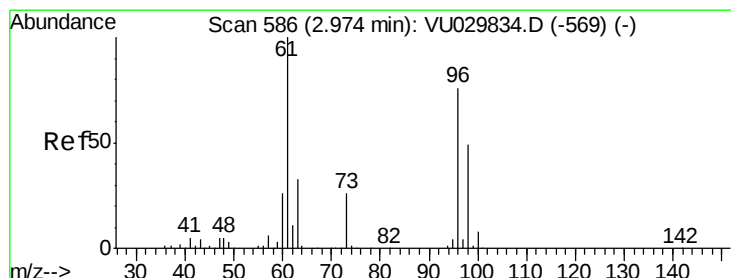
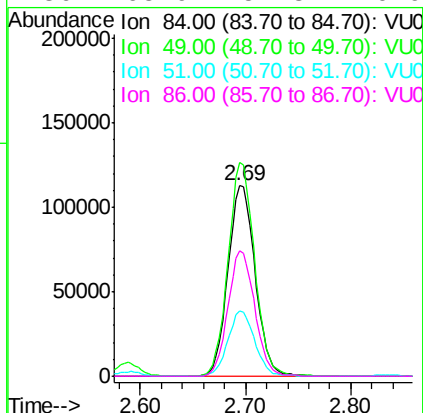
#15
Methvlene Chloride
Concen: 8.261 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tot Ion	84	Resp	201035
Ion Ratio	Lower	Upper	
84	100		
49	112.3	87.2	130.8
51	34.1	0.0	69.0
86	65.9	51.3	76.9

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

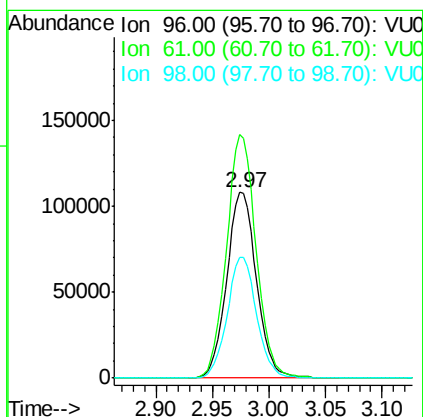
Manual Integrations
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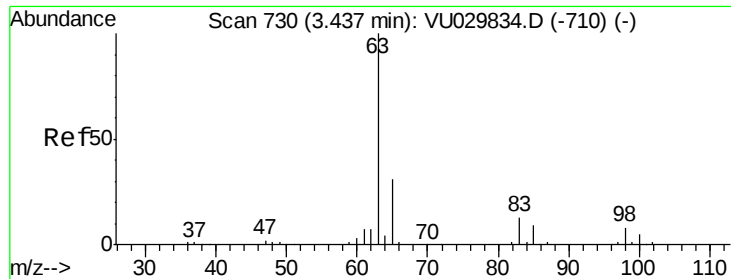
MMDadoda
3/8/2019 11:47:15 AM



#16
trans-1,2-Dichloroethene
Concen: 8.670 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	96	Resp	198627
Ion Ratio	Lower	Upper	
96	100		
61	130.9	104.7	157.1
98	64.8	50.9	76.3





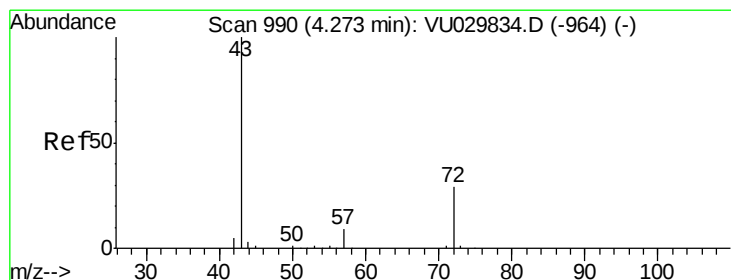
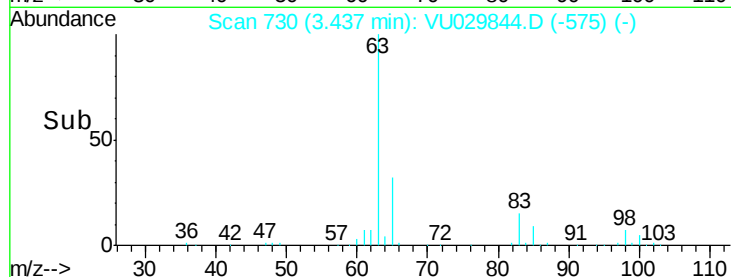
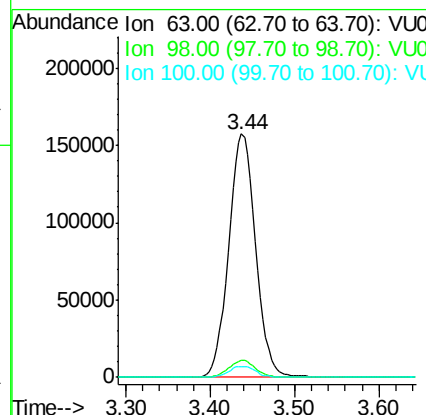
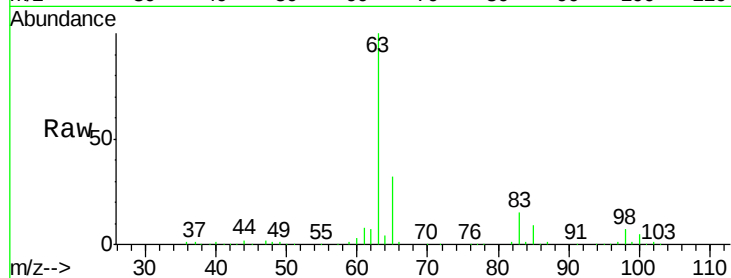
#17
 1,1-Dichloroethane
 Concen: 9.096 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	348679
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.4
100	4.6	2.4	7.1

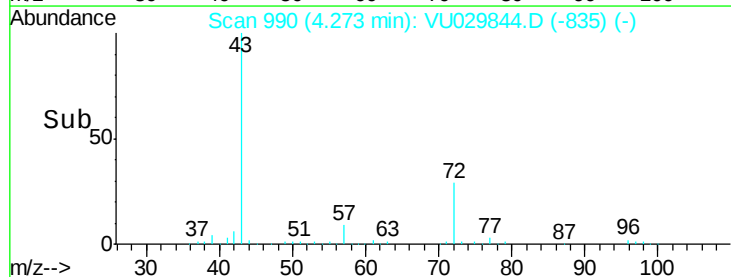
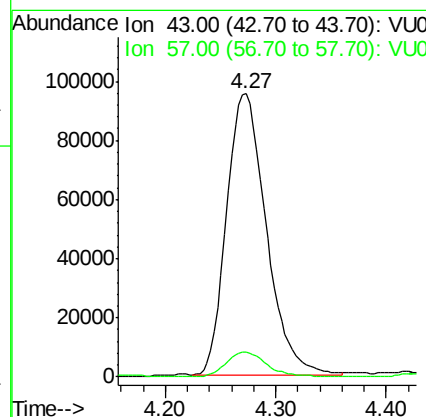
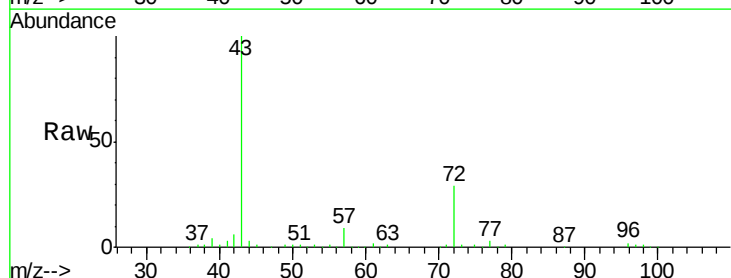
Manual Integrations
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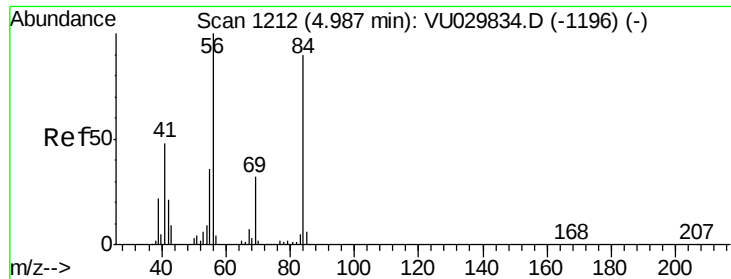
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#18
 2-Butanone
 Concen: 47.629 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion:	43	Resp:	237073
Ion	Ratio	Lower	Upper
43	100		
57	8.9	0.0	18.6





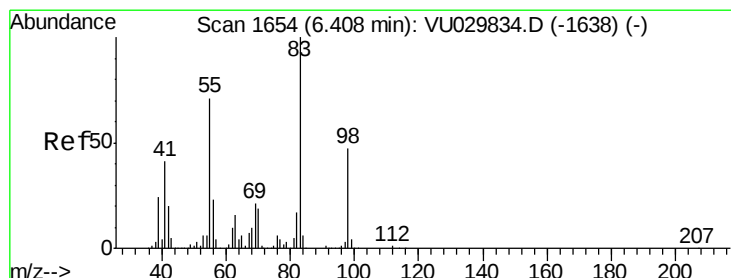
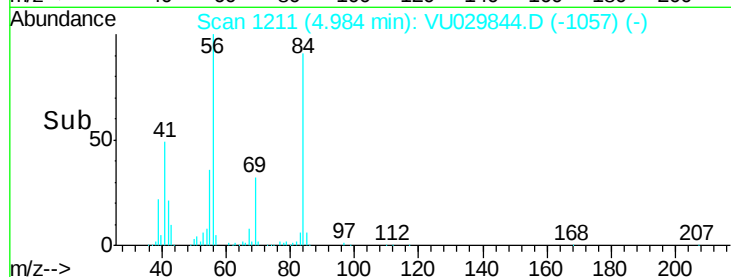
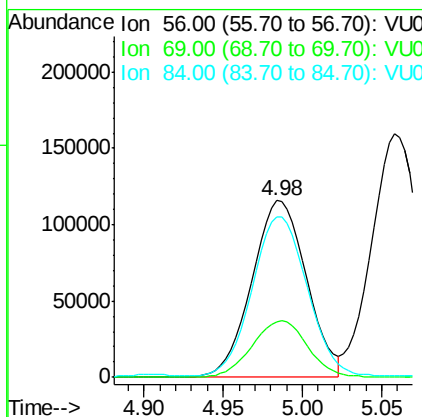
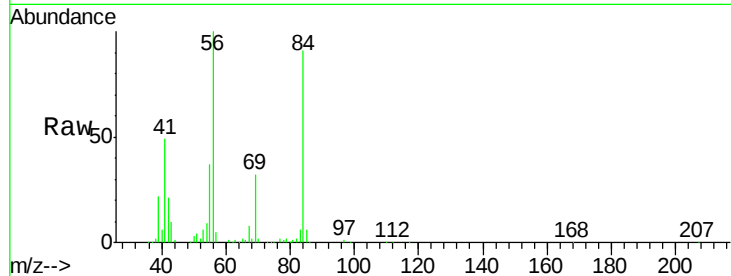
#19
Cyclohexane
Concen: 9.288 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	29.4	44.2
84	91.1	84.6	127.0

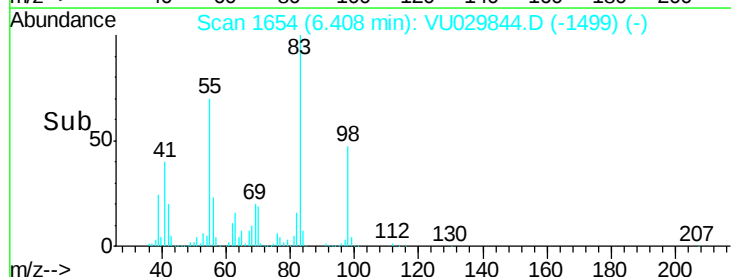
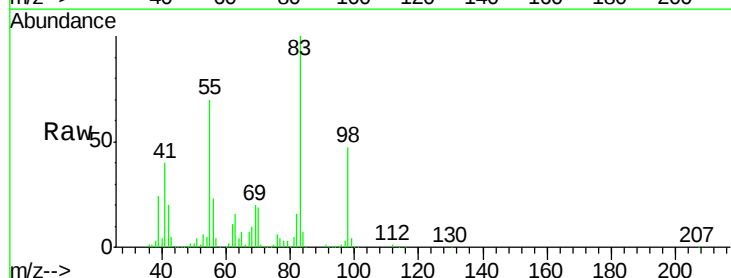
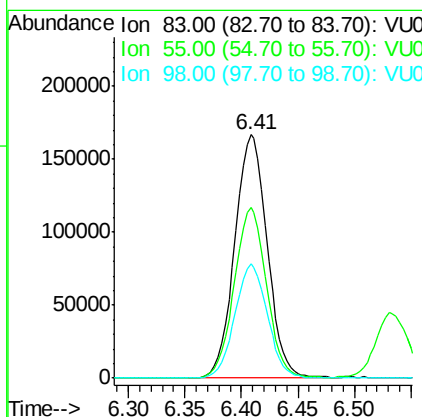
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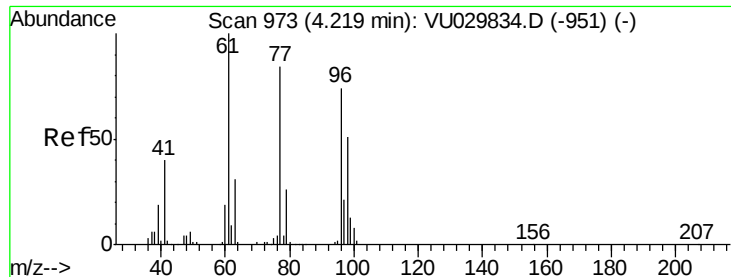
MMDadoda
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#20
Methylcyclohexane
Concen: 9.581 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.6	55.9	83.9
98	46.5	37.0	55.4





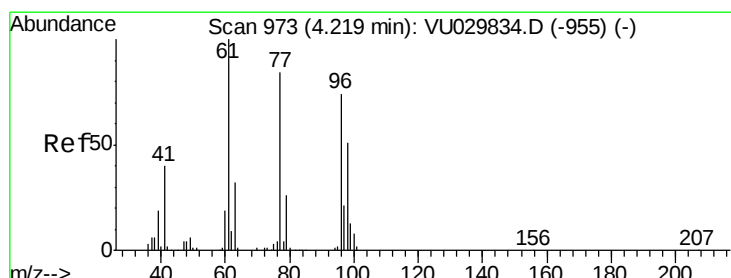
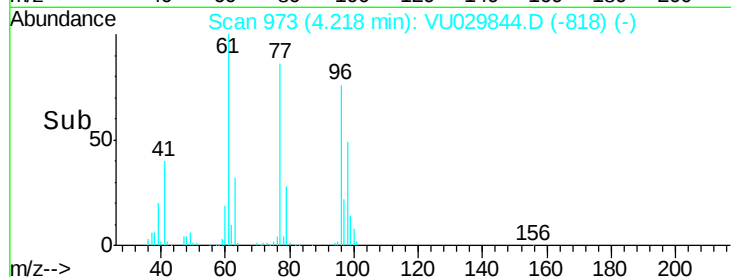
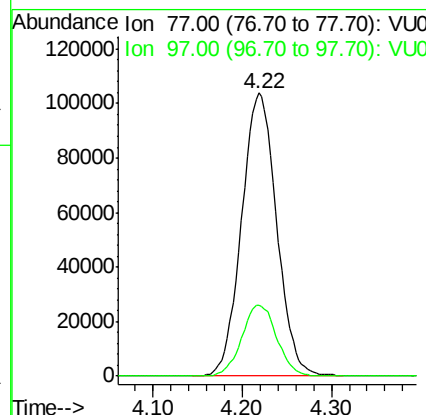
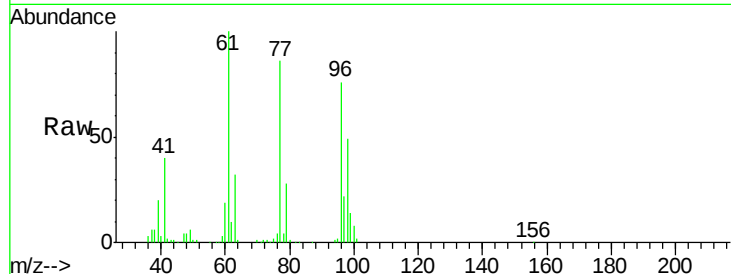
#21
 2,2-Dichloropropane
 Concen: 9.072 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 77 Resp: 284238
 Ion Ratio Lower Upper
 77 100
 97 25.0 20.2 30.2

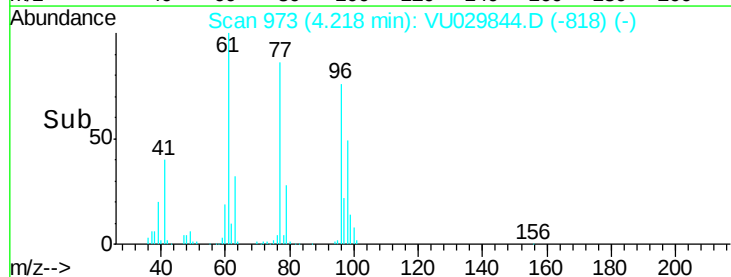
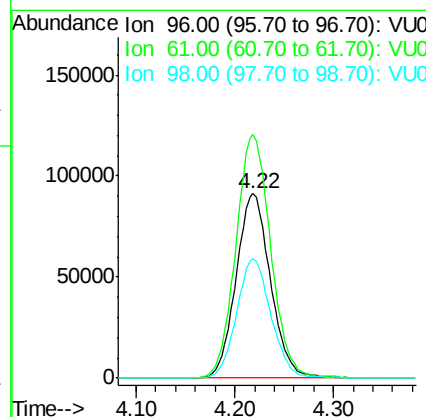
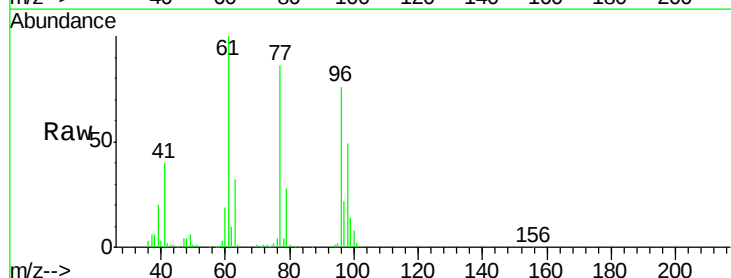
Manual Integrations
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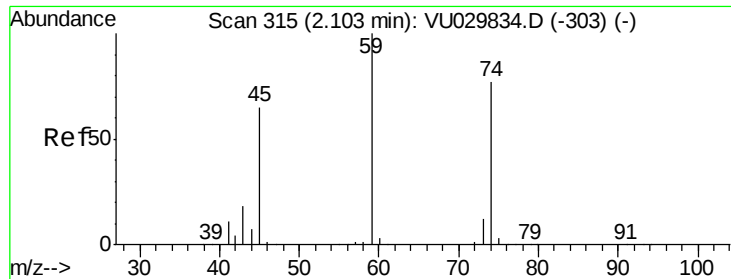
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 3/8/2019 11:47:15 AM



#22
 cis-1,2-Dichloroethene
 Concen: 9.098 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion: 96 Resp: 220911
 Ion Ratio Lower Upper
 96 100
 61 134.4 0.0 339.0
 98 64.7 33.1 99.5





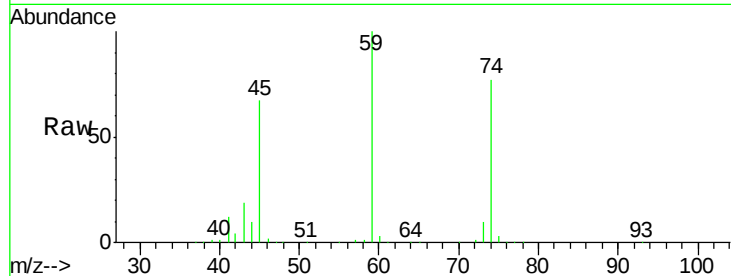
#23
Diethyl Ether
Concen: 8.822 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

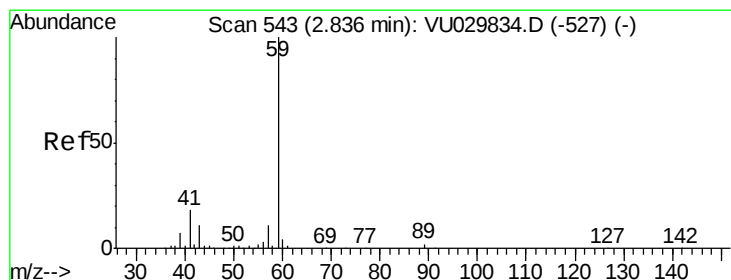
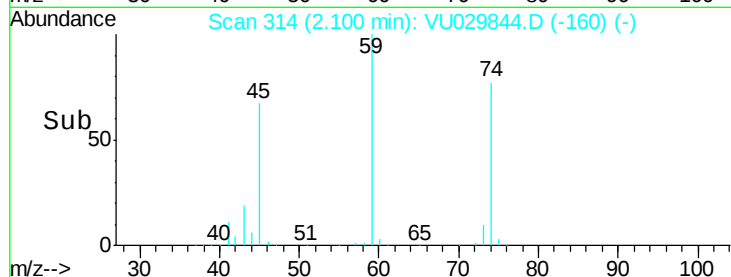
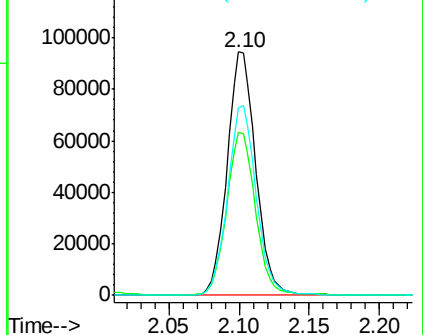
Tot Ion	Ratio	Lower	Upper
59	100		
45	66.5	52.7	79.1
74	78.2	61.8	92.6

Manual Integrations
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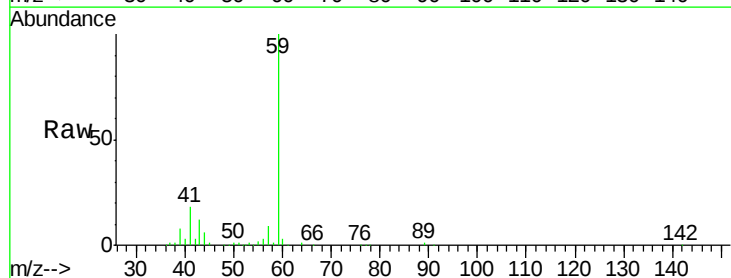


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

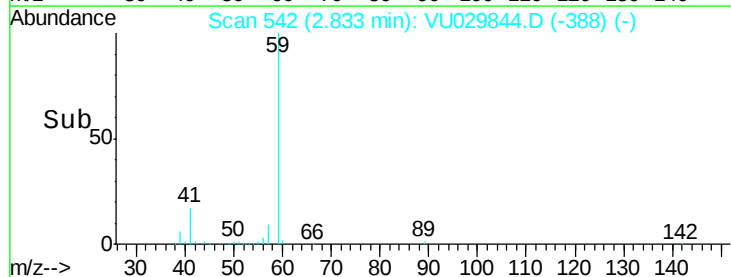
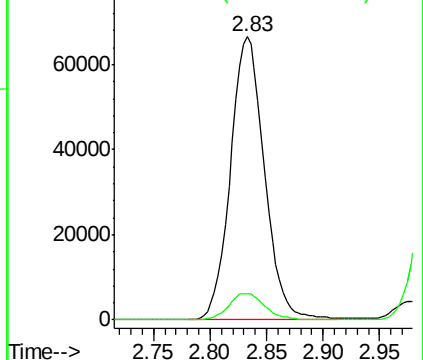


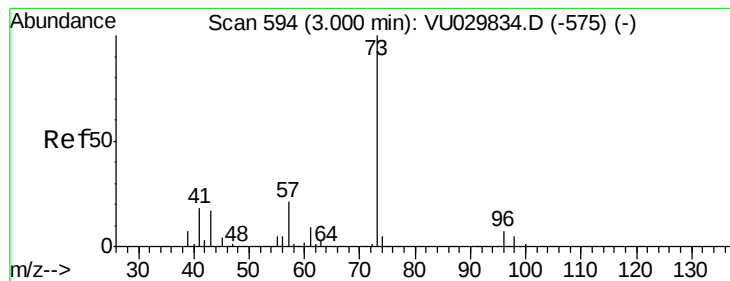
#24
tert-Butyl Alcohol
Concen: 88.803 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

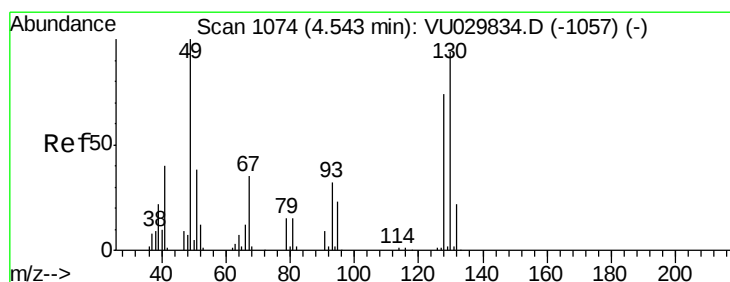
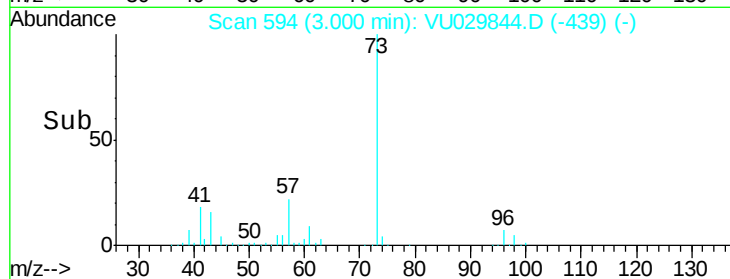
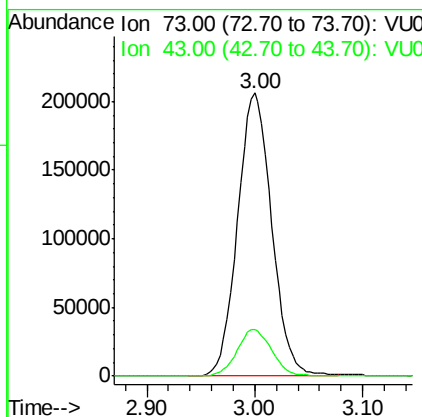
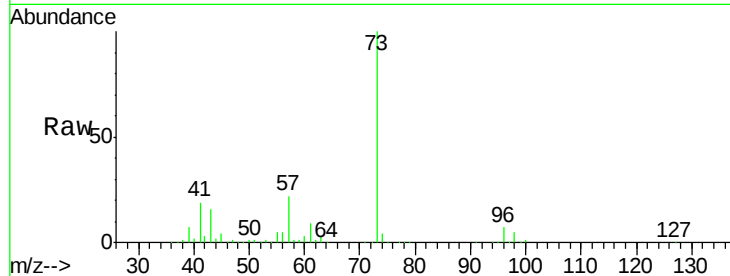
Methyl tert-Butyl Ether
 Concen: 8.896 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	73	Resp	454368
Ion Ratio	100	Lower	Upper
73	100		
43	16.5	13.1	19.7

Manual Integrations
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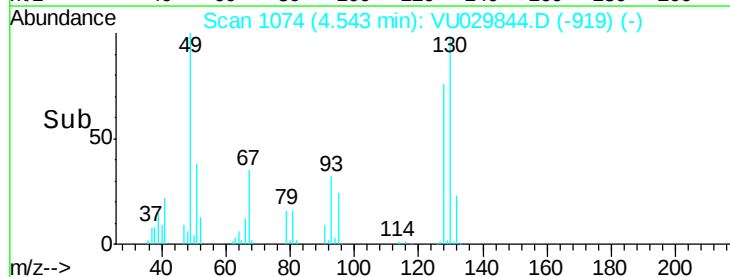
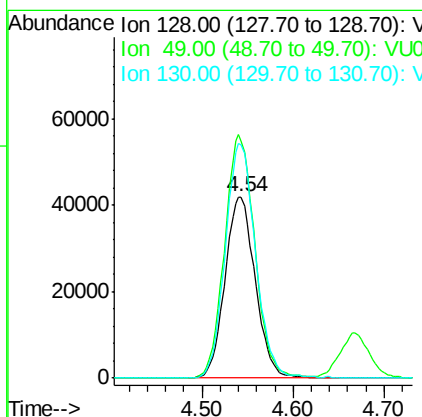
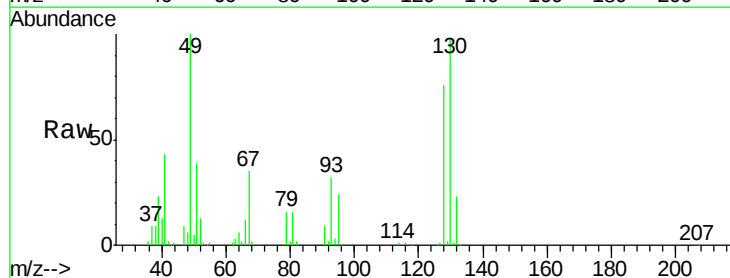
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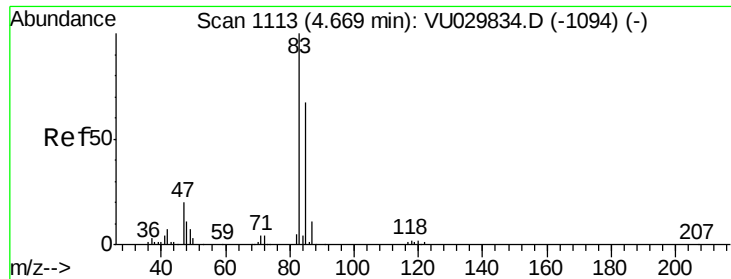


#26

Bromochloromethane
 Concen: 8.992 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	128	Resp	96927
Ion Ratio	100	Lower	Upper
128	100		
49	133.8	0.0	270.6
130	129.3	104.2	156.4





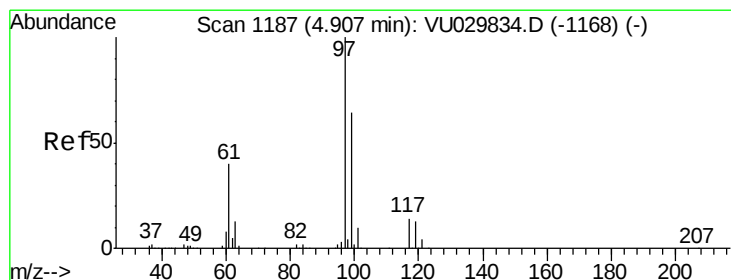
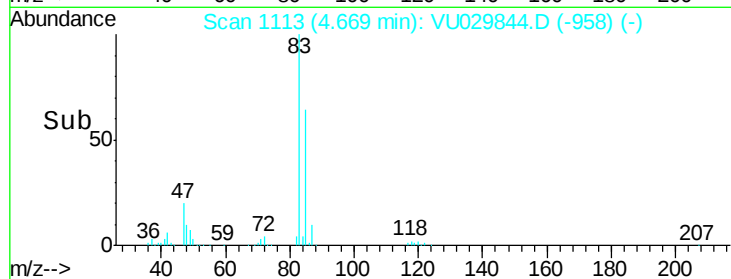
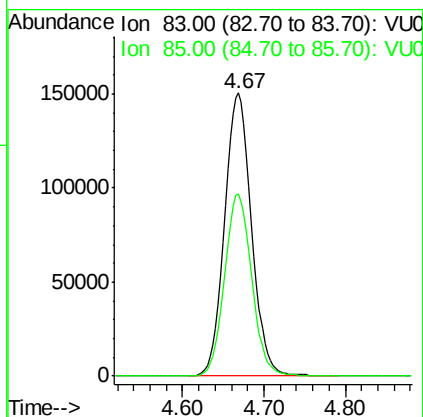
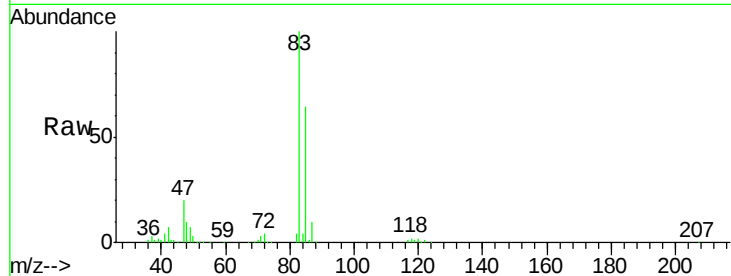
#27
Chloroform
Concen: 9.021 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	350165
Ion Ratio	100	Lower	Upper
85	64.2	0.0	133.2

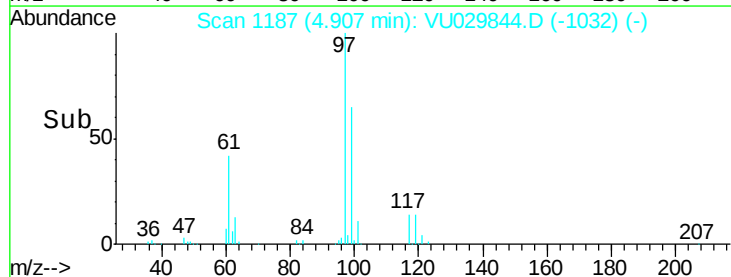
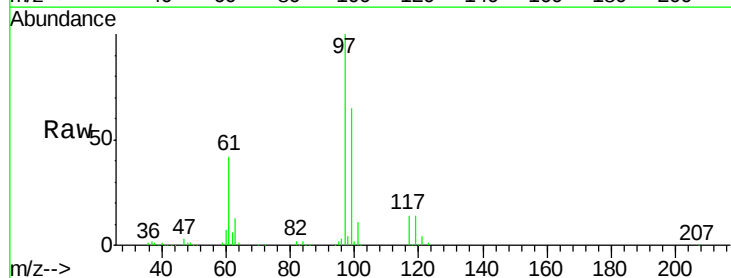
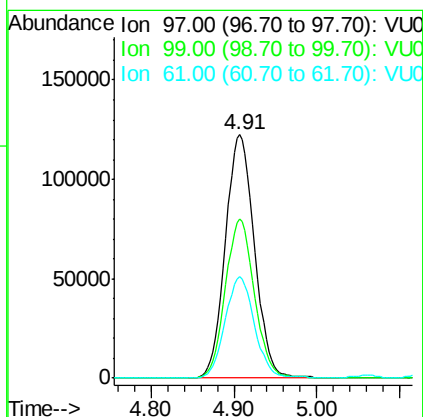
Manual Integrations
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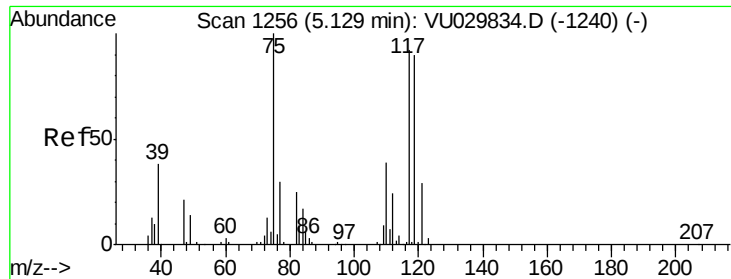
MMDadoda
3/8/2019 11:47:15 AM



#28
1,1,1-Trichloroethane
Concen: 9.091 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	97	Resp	299187
Ion Ratio	100	Lower	Upper
99	65.2	31.9	95.9
61	41.8	20.4	61.3





#29

1,1-Dichloropropene

Concen: 9.005 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

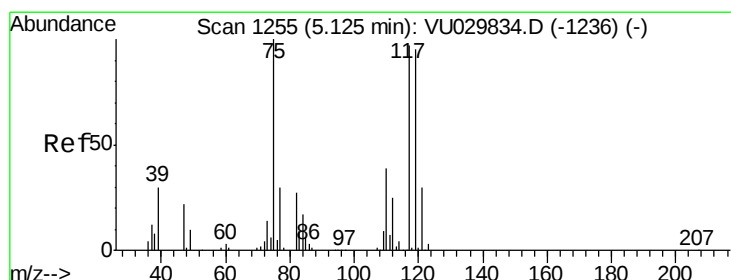
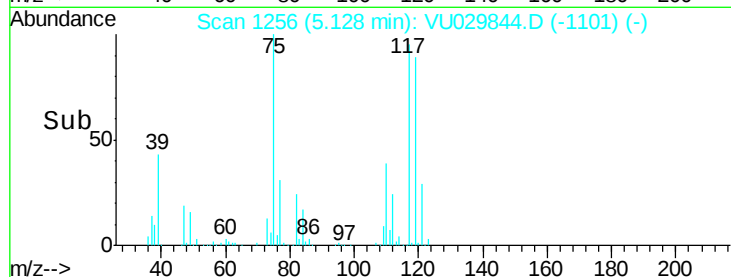
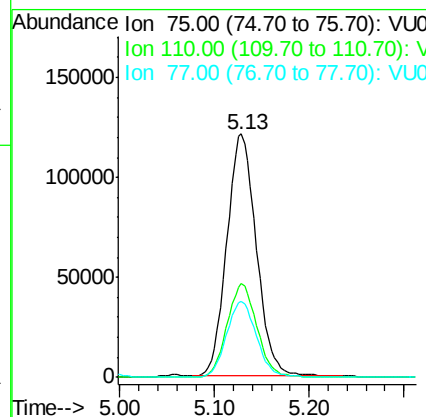
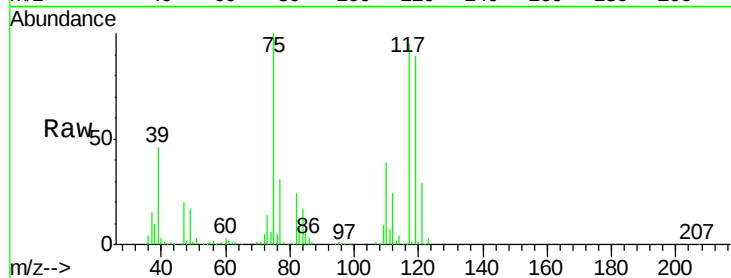
ClientSampleId :

VSTDCCC010

Tot Ion:	75	Resp:	263366
Ion Ratio	Lower	Upper	
75	100		
110	39.1	19.1	57.5
77	31.0	23.9	35.9

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#30

Carbon Tetrachloride

Concen: 9.363 ug/l

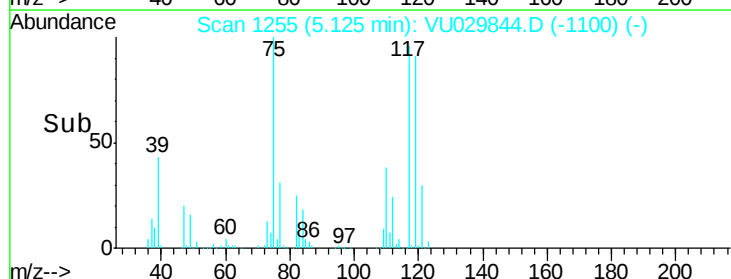
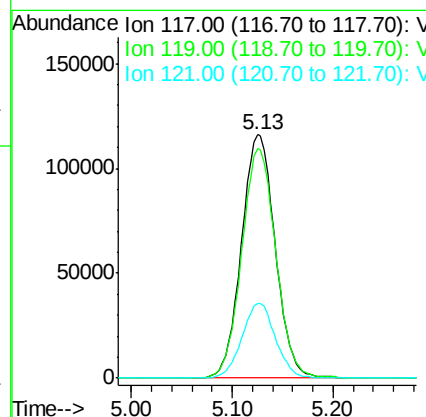
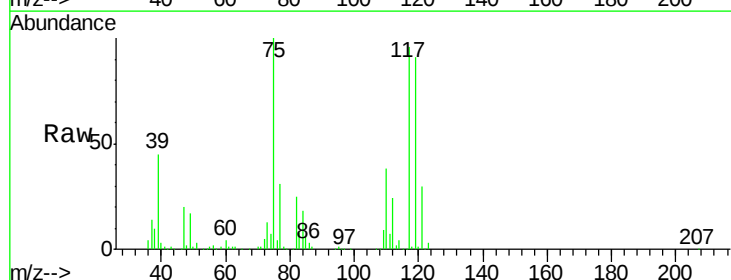
RT: 5.13 min Scan# 1255

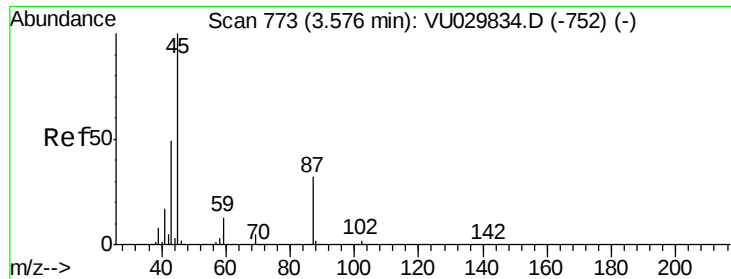
Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Tgt Ion:	117	Resp:	268841
Ion Ratio	Lower	Upper	
117	100		
119	94.5	78.4	117.6
121	30.7	25.0	37.4





#31

Isopropyl Ether

Concen: 9.067 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 479385

Ion Ratio Lower Upper

45 100

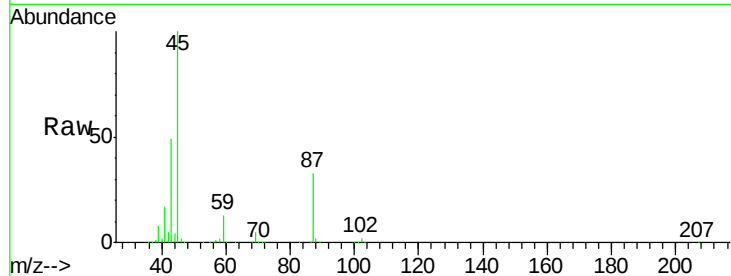
43 49.2 24.3 72.9

Manual Integrations

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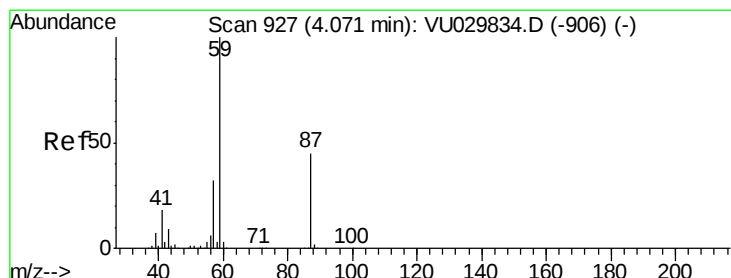
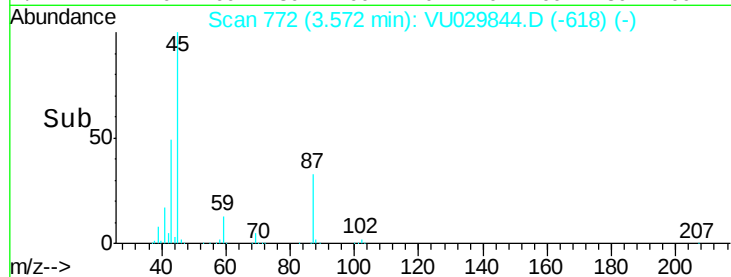
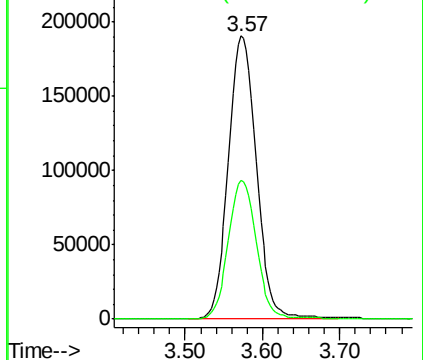
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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 9.234 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029844.D

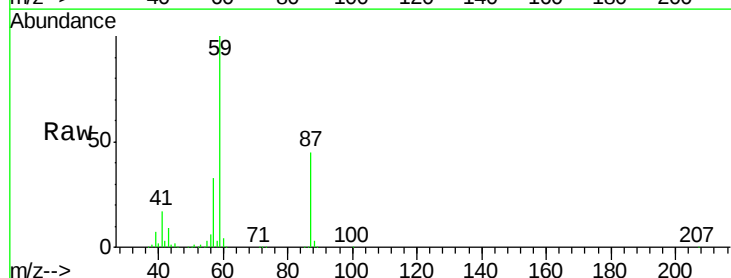
Acq: 07 Mar 2019 09:47

Tgt Ion: 59 Resp: 474529

Ion Ratio Lower Upper

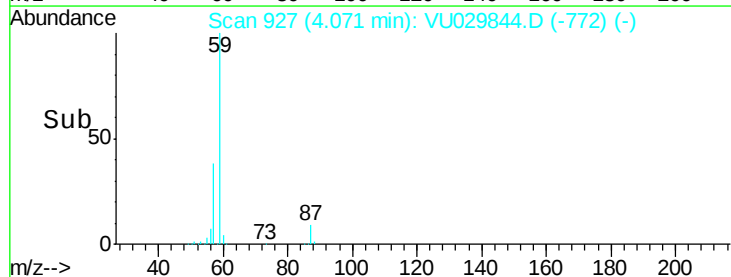
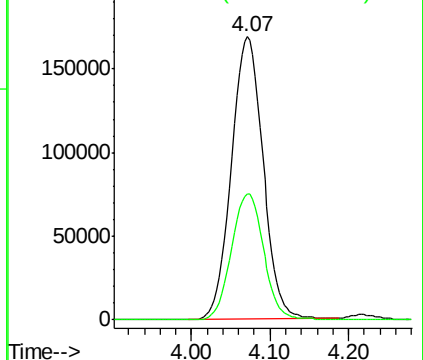
59 100

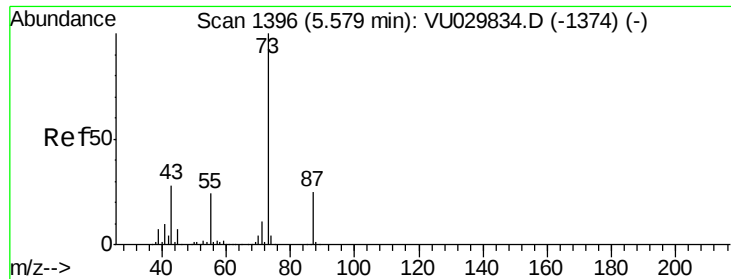
87 45.1 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#33

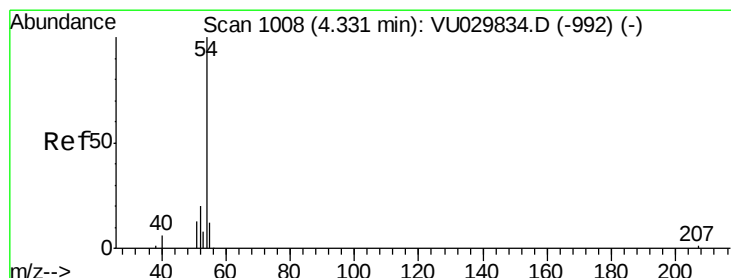
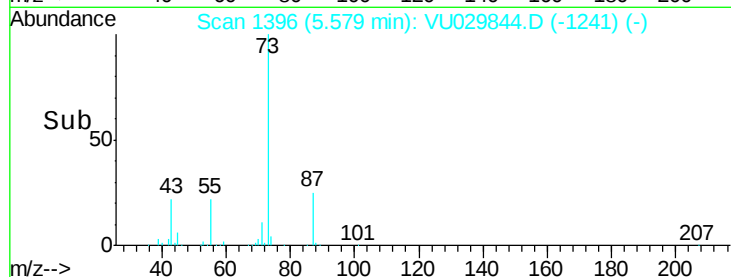
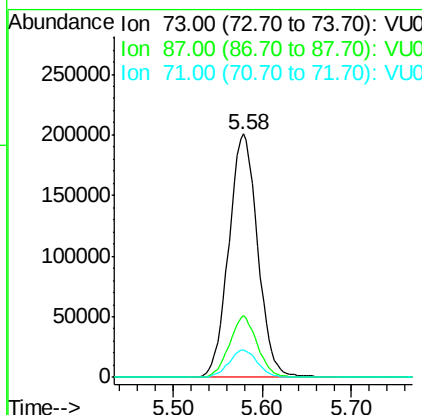
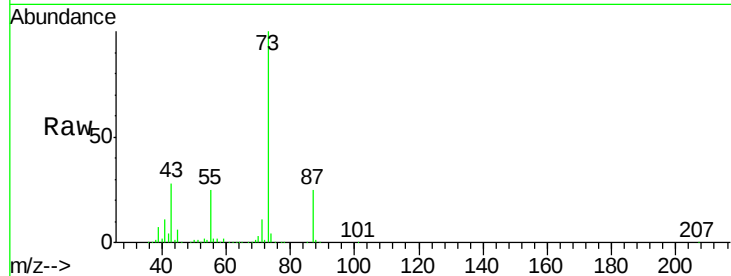
Tert-Butyl methyl ether
 Concen: 9.436 ug/l
 RT: 5.58 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.7	29.5
71	11.2	9.4	14.2

Manual Integrations
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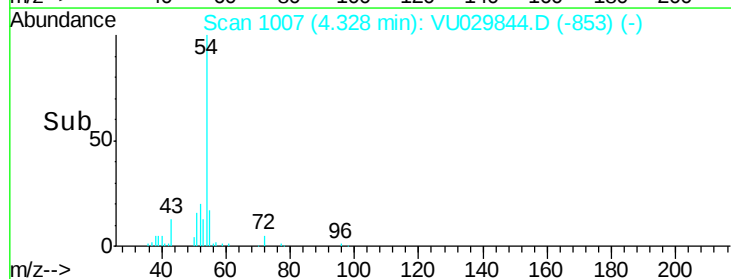
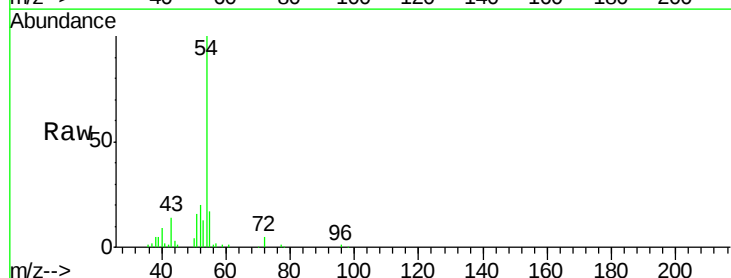
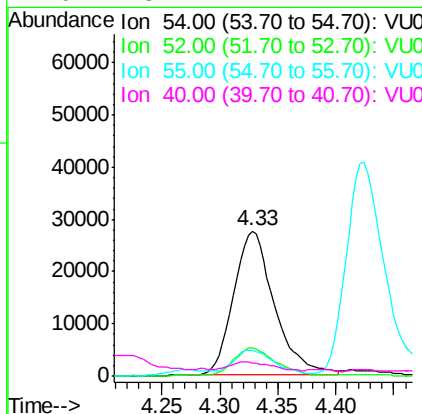
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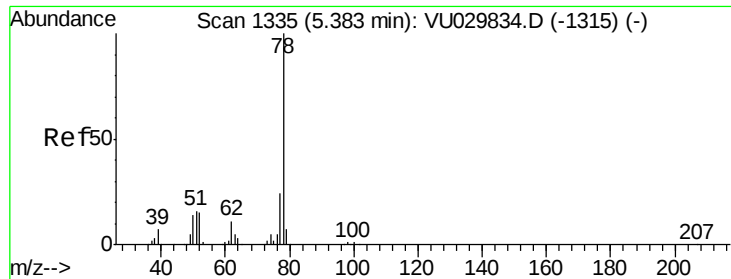


#34

Propionitrile
 Concen: 45.376 ug/l
 RT: 4.33 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.0	16.1	24.1
55	16.2	11.2	16.8
40	5.7	4.7	7.1





#35

Benzene

Concen: 9.123 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 785972

Ion Ratio Lower Upper

78 100

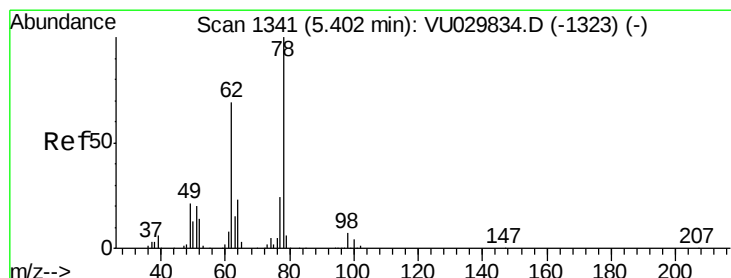
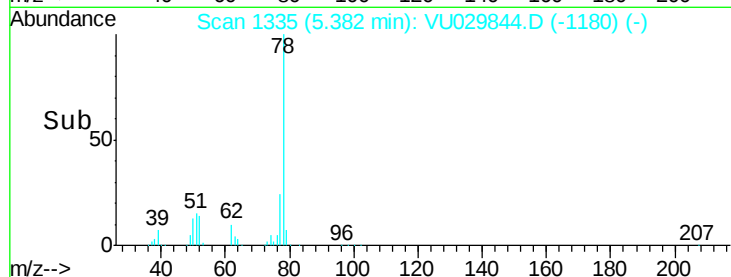
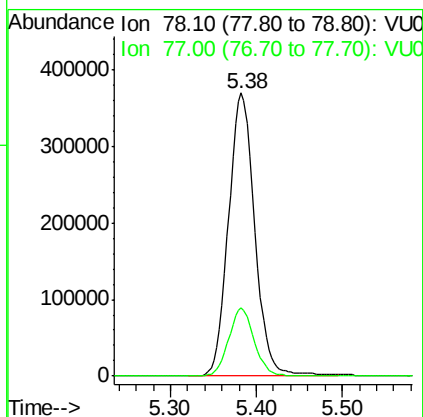
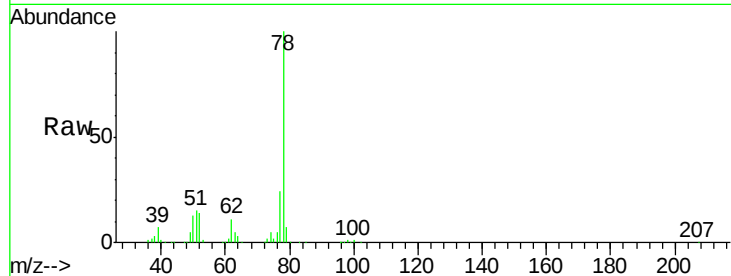
77 24.1 19.2 28.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 8.897 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU029844.D

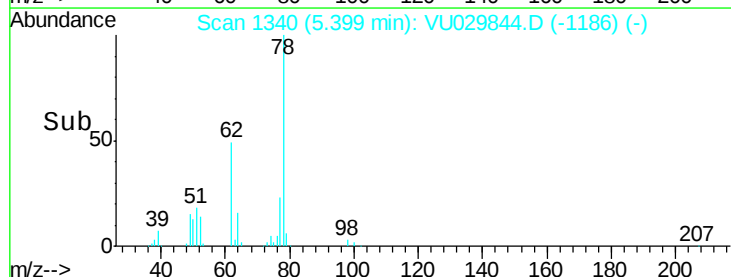
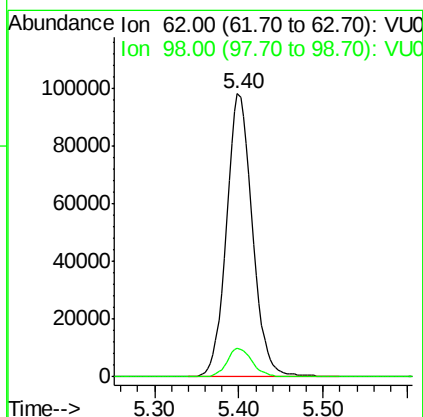
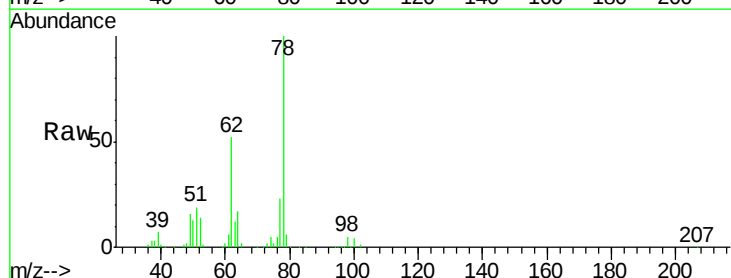
Acq: 07 Mar 2019 09:47

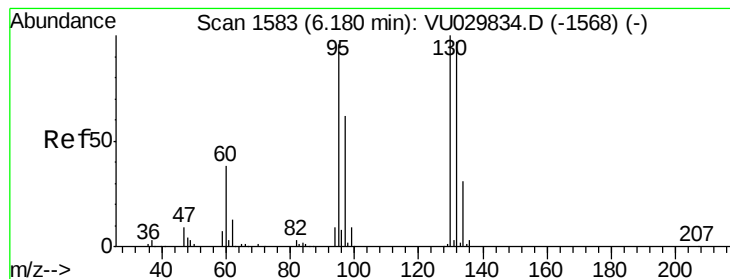
Tgt Ion: 62 Resp: 209358

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.2





#37

Trichloroethene

Concen: 8.847 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:130 Resp: 222537

Ion Ratio Lower Upper

130 100

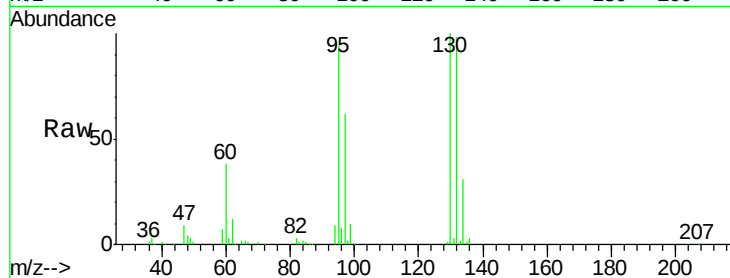
95 94.4 76.6 114.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.18

120000

100000

80000

60000

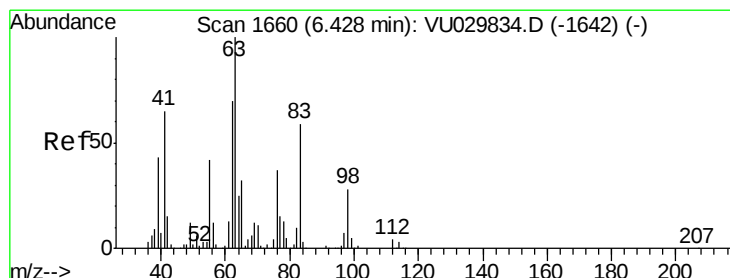
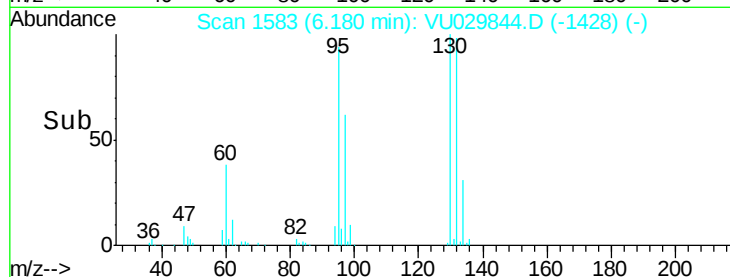
40000

20000

0

6.10 6.20 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 9.135 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029844.D

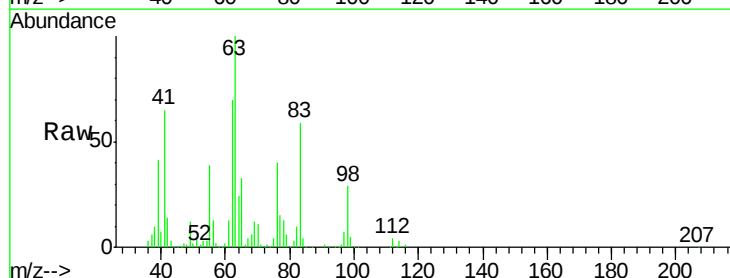
Acq: 07 Mar 2019 09:47

Tgt Ion: 63 Resp: 199214

Ion Ratio Lower Upper

63 100

65 32.6 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.43

100000

80000

60000

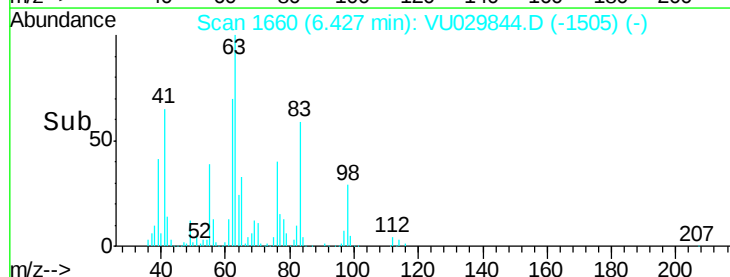
40000

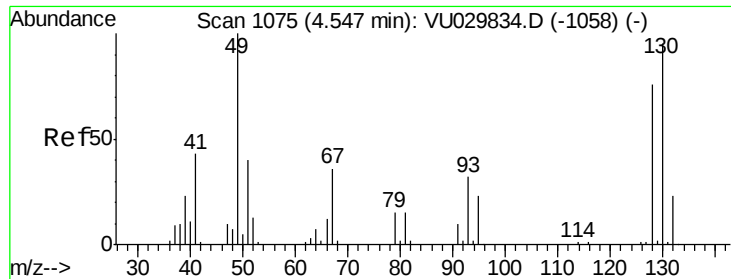
20000

0

6.30 6.40 6.50

Time-->





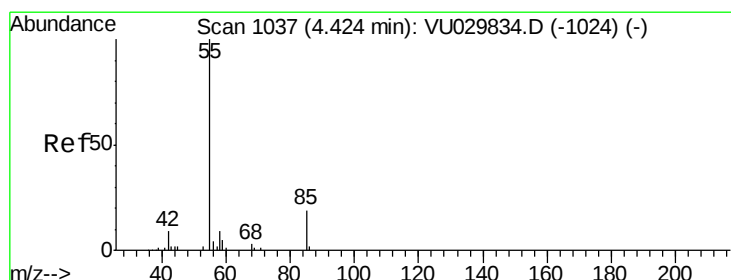
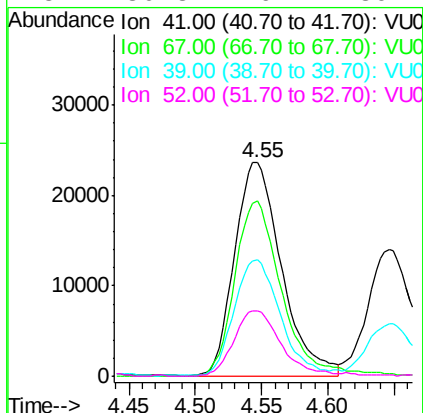
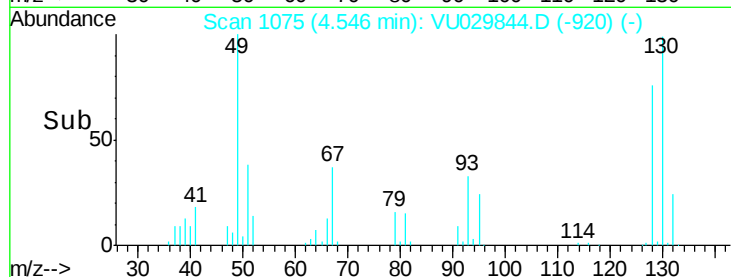
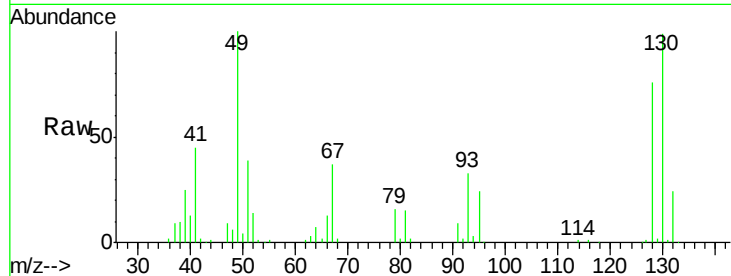
#39
Methacrylonitrile
Concen: 9.385 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	41	Resp:	58450
Ion	Ratio	Lower	Upper
41	100		
67	81.9	68.4	102.6
39	52.1	42.6	63.8
52	30.3	26.2	39.4

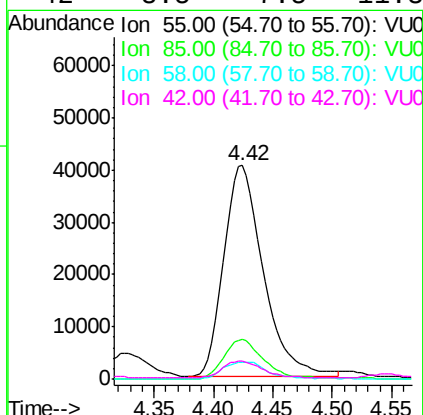
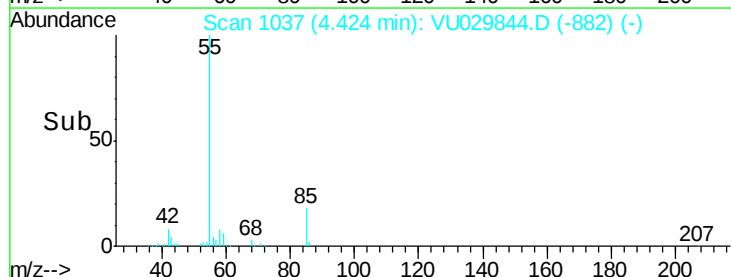
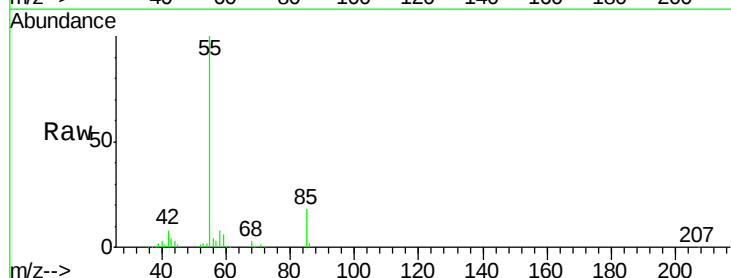
Manual Integrations
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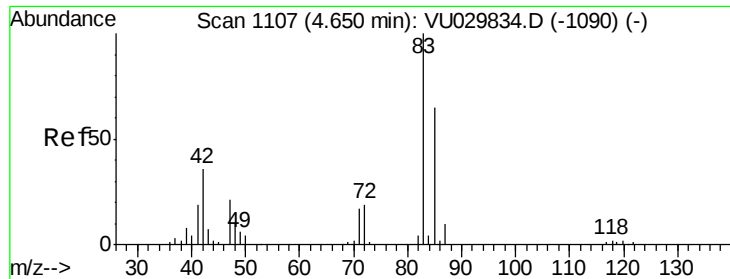
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3/8/2019 11:47:15 AM



#40
Methyl acrylate
Concen: 9.481 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion:	55	Resp:	93332
Ion	Ratio	Lower	Upper
55	100		
85	19.1	15.2	22.8
58	9.0	7.6	11.4
42	8.5	7.5	11.3





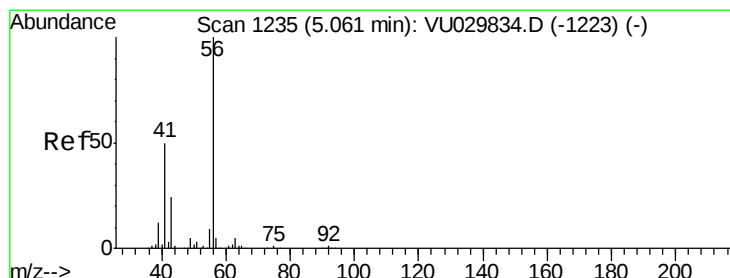
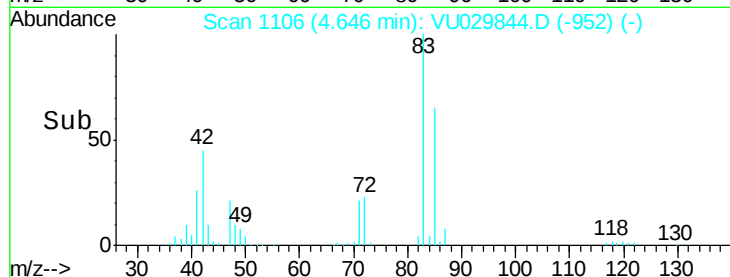
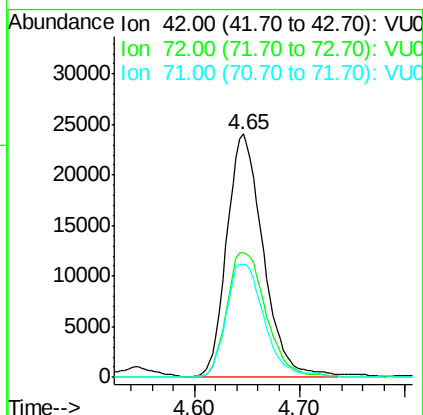
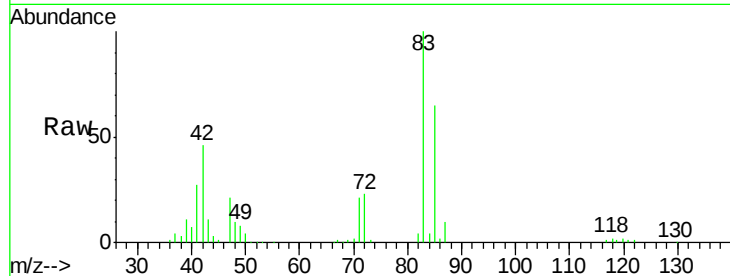
#41
Tetrahydrofuran
Concen: 17.718 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.8	43.6	65.4
71	47.6	37.5	56.3

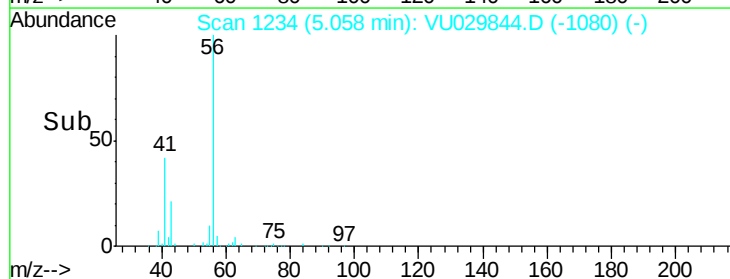
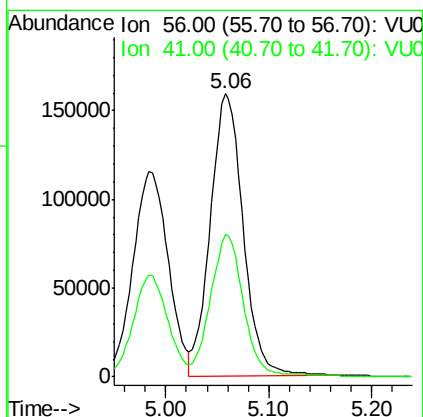
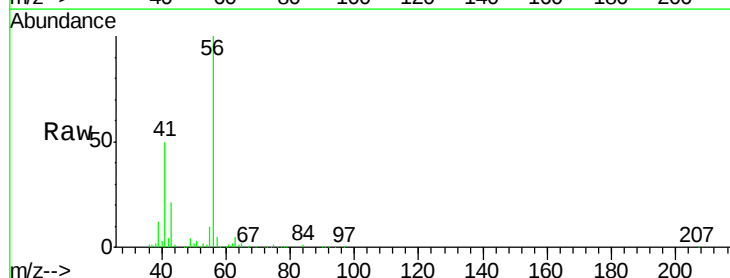
Manual Integrations
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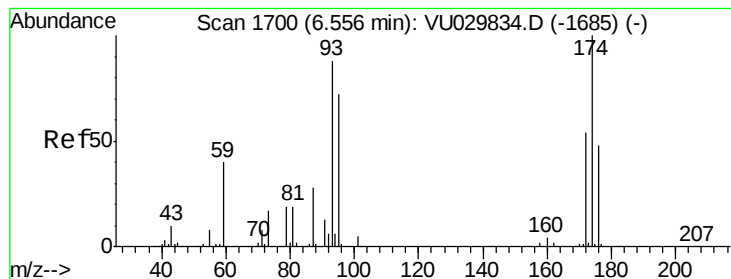
MMDadoda
3/8/2019 11:47:15 AM



#42
1-Chlorobutane
Concen: 9.381 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.5	25.0	75.0





#43

Dibromomethane

Concen: 9.114 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

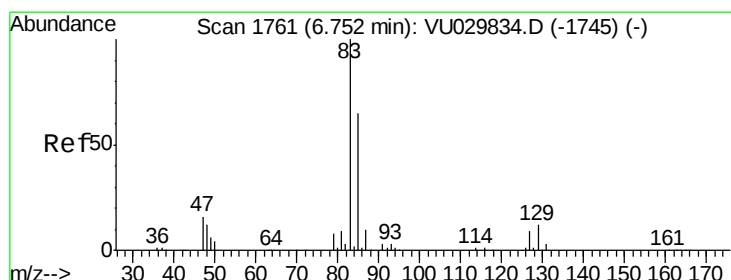
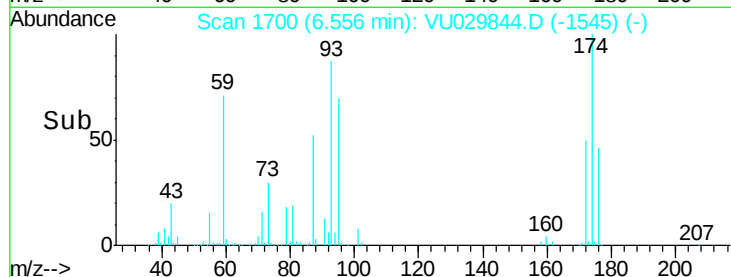
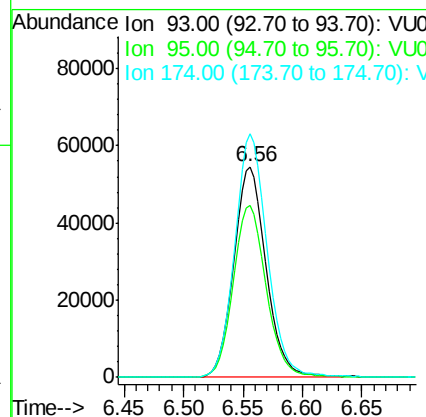
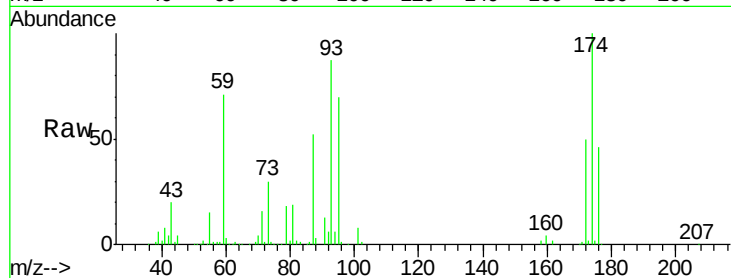
ClientSampleId :

VSTDCCC010

Tot Ion:	93	Resp:	103014
Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.6
174	115.8	91.4	137.2

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#44

Bromodichloromethane

Concen: 9.157 ug/l

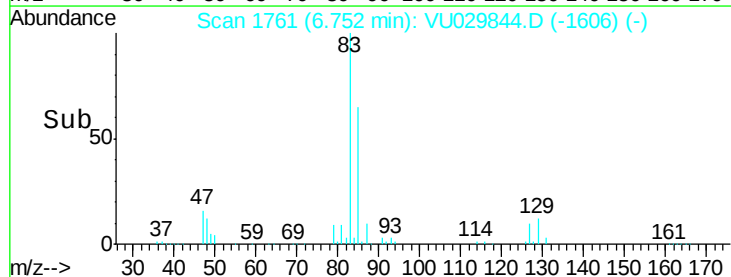
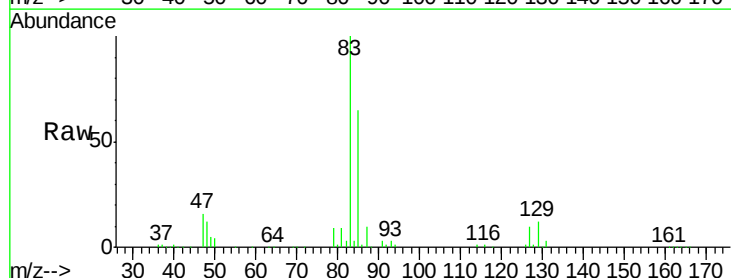
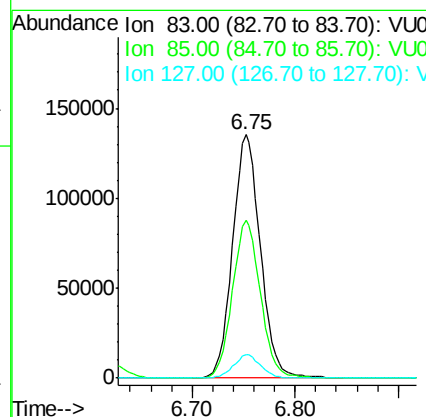
RT: 6.75 min Scan# 1761

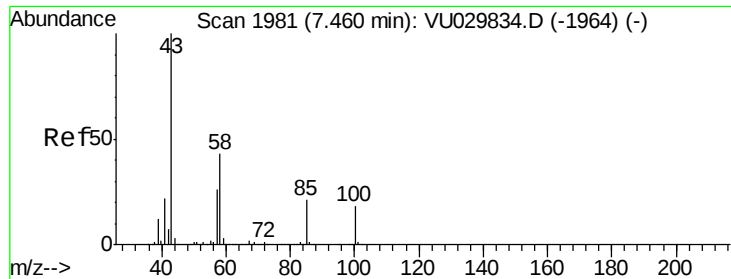
Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Tgt Ion:	83	Resp:	254190
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.7	77.5
127	9.8	7.4	11.2





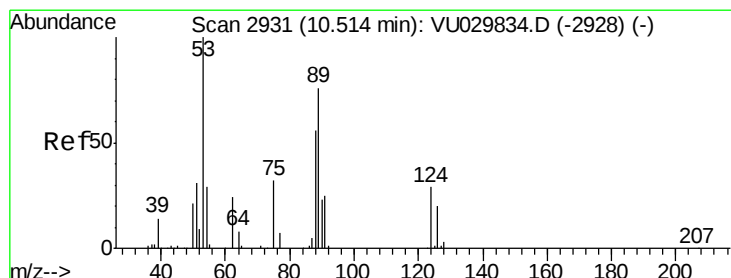
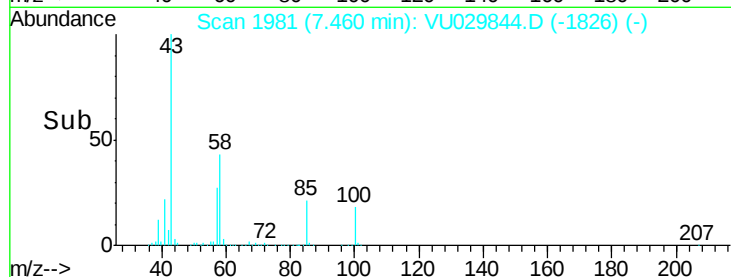
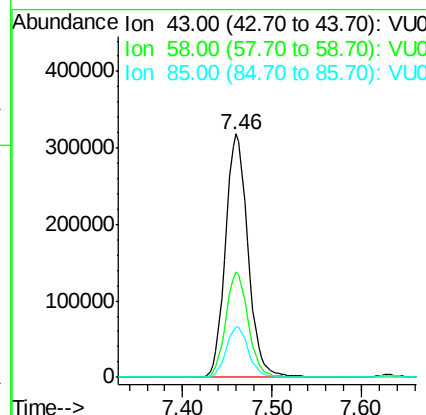
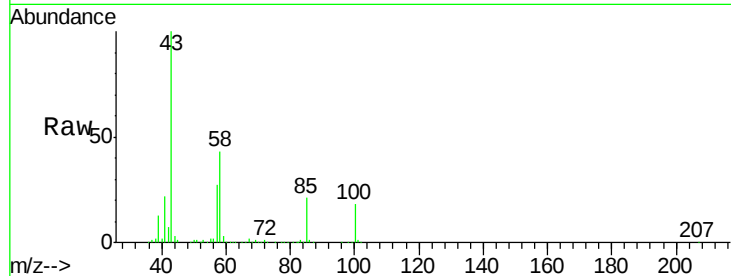
#45
 4-Methyl-2-Pentanone
 Concen: 47.317 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
43	100	557785		
58	43.1		21.6	65.0
85	20.6		16.5	24.7

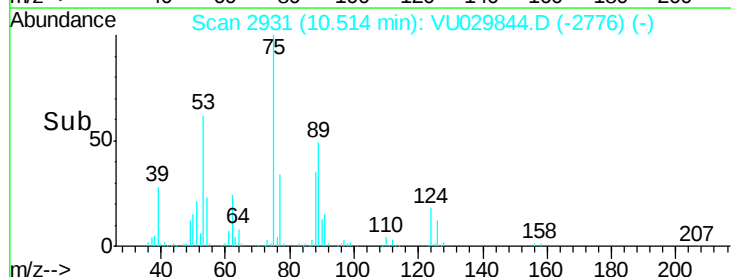
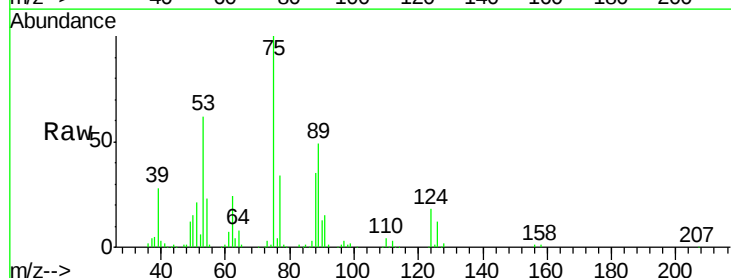
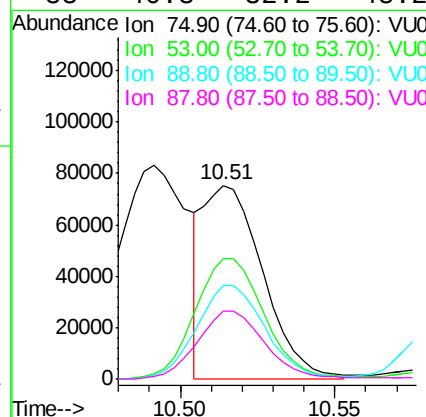
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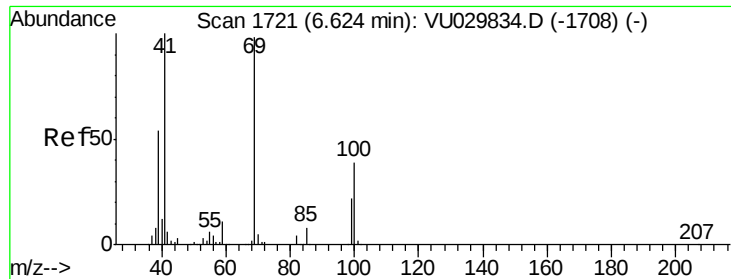
MMDadoda
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#46
 t-1,4-Dichloro-2-butene
 Concen: 20.416 ug/l m
 RT: 10.51 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100620		
53	72.7		59.2	88.8
89	56.0		44.9	67.3
88	40.3		32.2	48.2





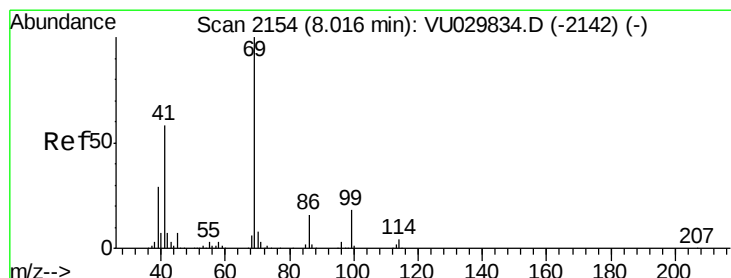
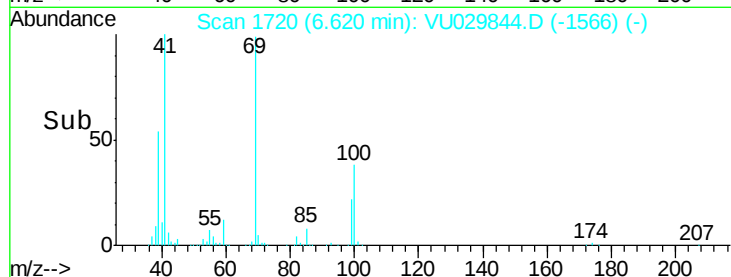
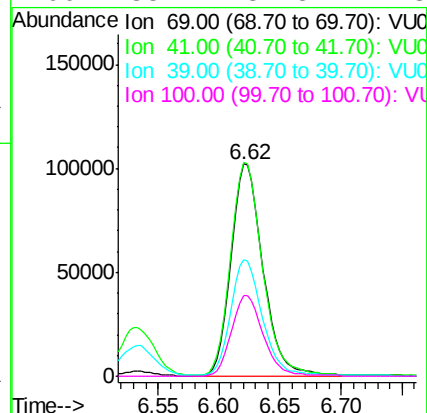
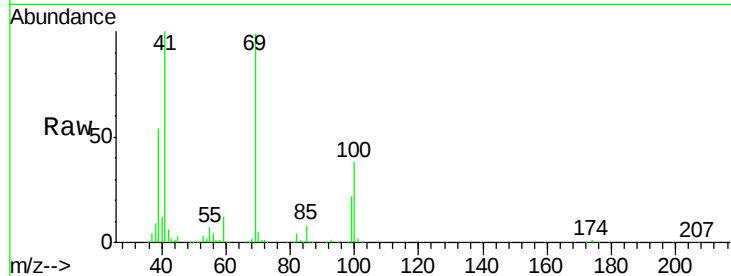
#47
Methvl methacrylate
Concen: 19.389 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		188063		
41	99.8	0.0	201.0		
39	53.7	43.3	64.9		
100	38.1	31.5	47.3		

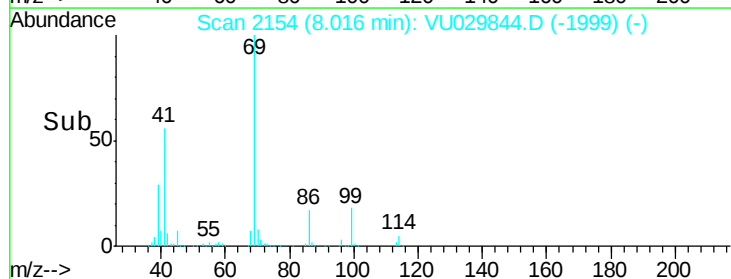
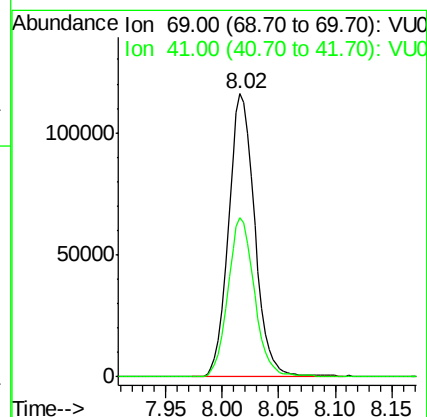
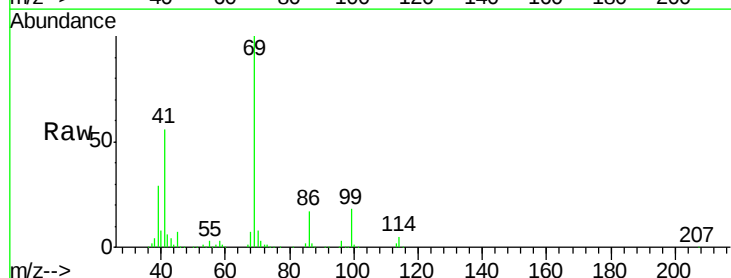
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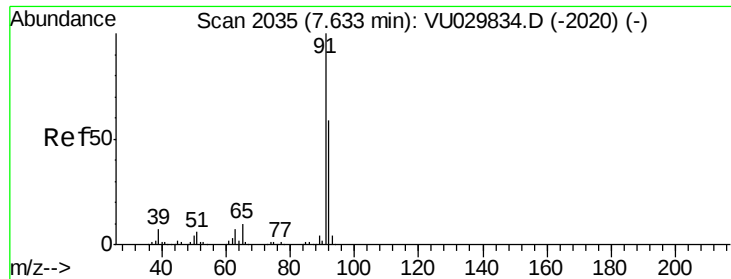
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#48
Ethyl methacrylate
Concen: 10.091 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		187538		
41	56.9	29.0	87.1		





#49

Toluene

Concen: 9.345 ug/l

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 92 Resp: 494461

Ion Ratio Lower Upper

92 100

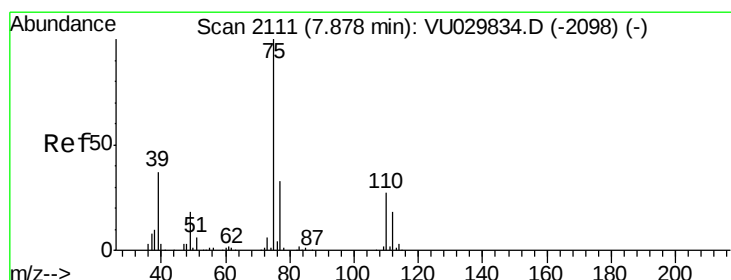
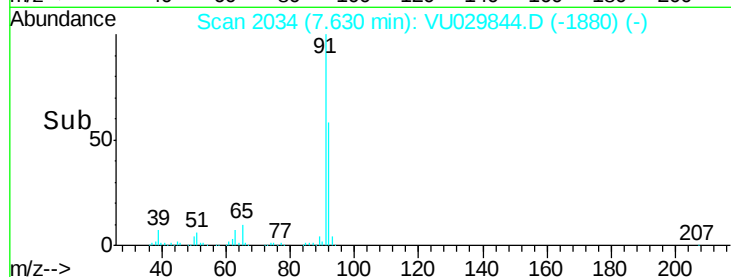
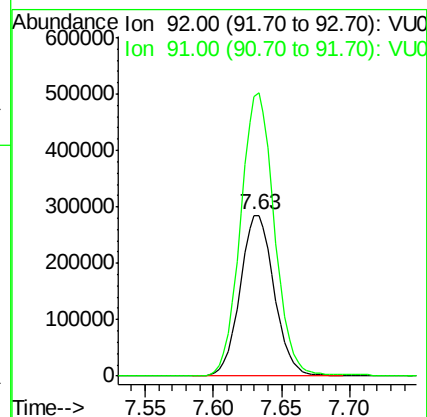
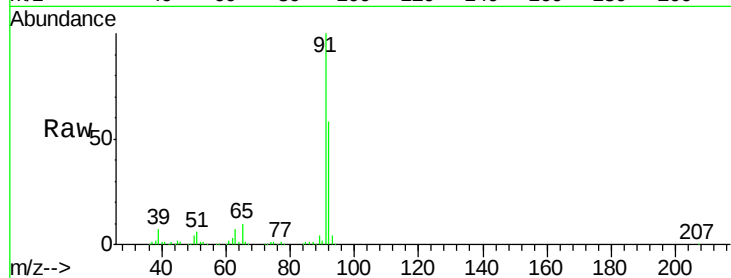
91 175.8 137.8 206.8

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#50

t-1,3-Dichloropropene

Concen: 9.584 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029844.D

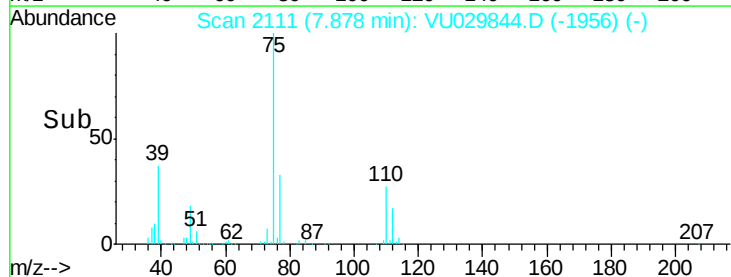
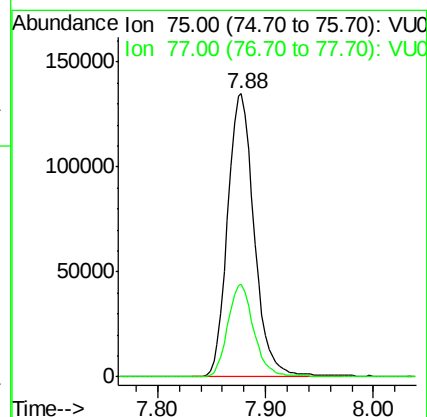
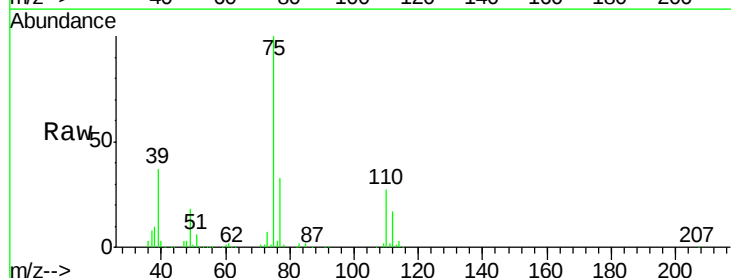
Acq: 07 Mar 2019 09:47

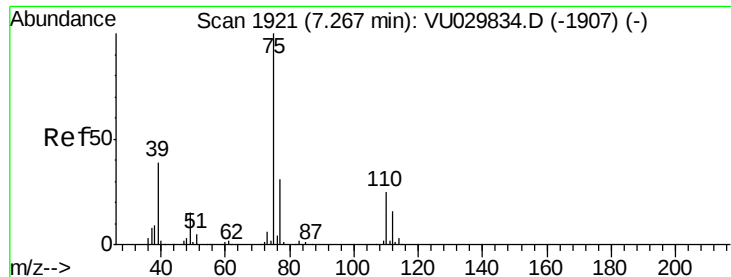
Tgt Ion: 75 Resp: 233153

Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6





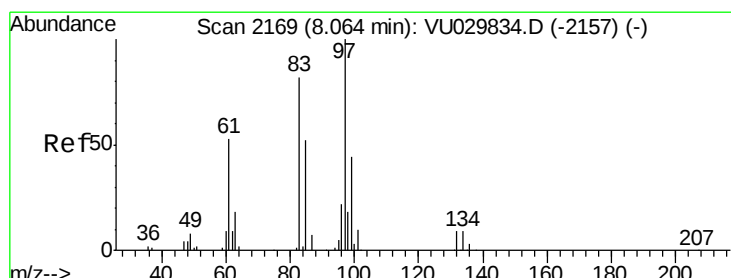
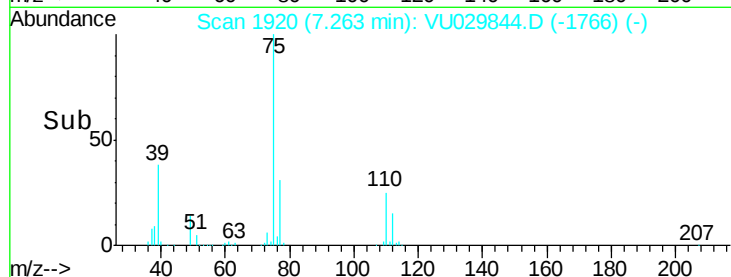
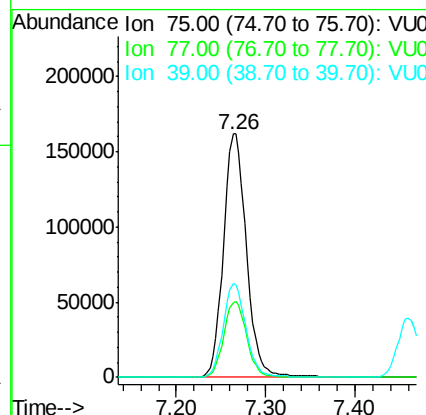
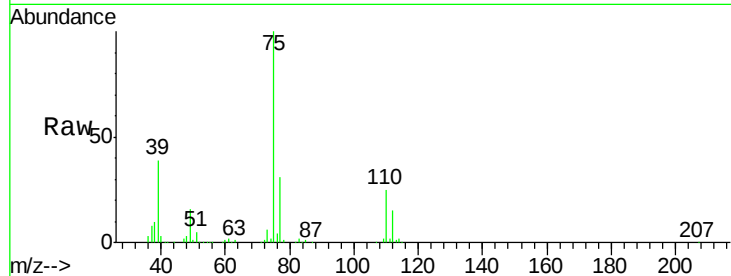
#51
 cis-1,3-Dichloropropene
 Concen: 9.601 ug/l
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.9	37.3
39	38.5	30.8	46.2

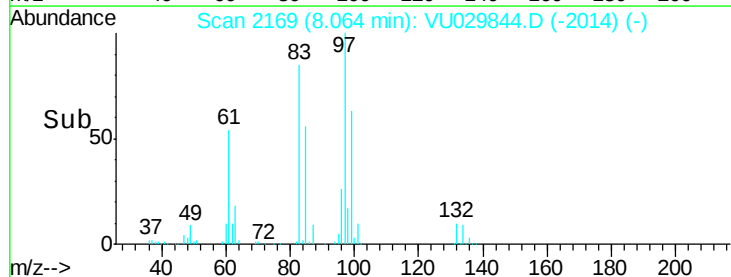
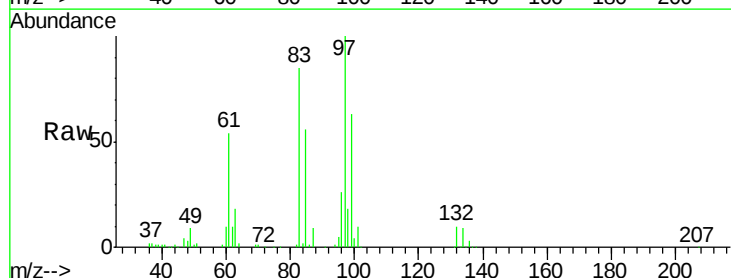
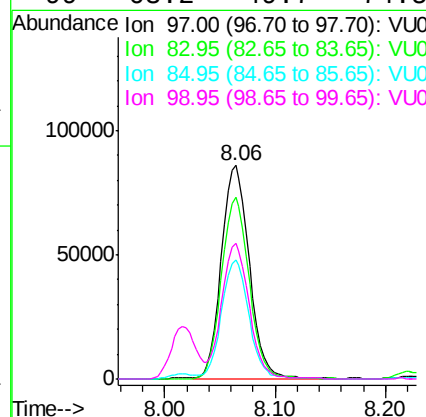
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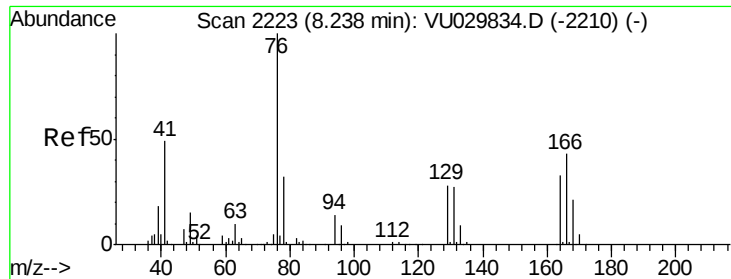
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#52
 1,1,2-Trichloroethane
 Concen: 8.969 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	65.9	98.9
85	55.6	43.0	64.6
99	63.2	49.7	74.5





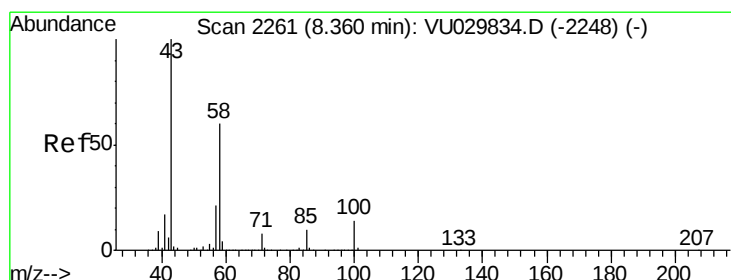
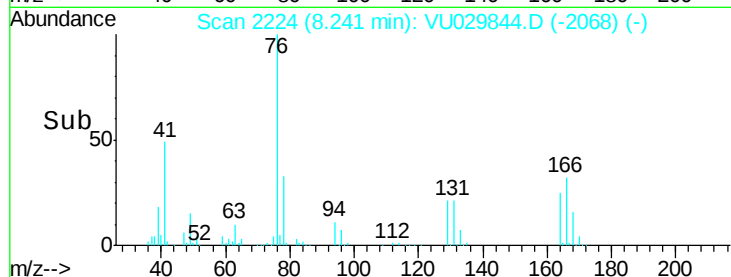
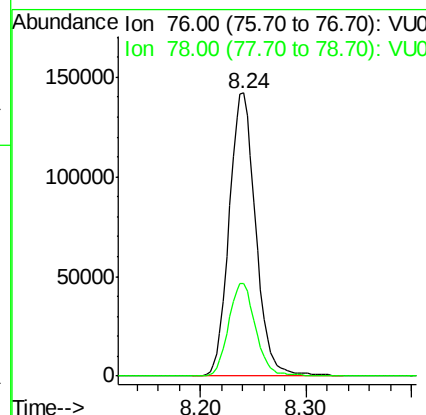
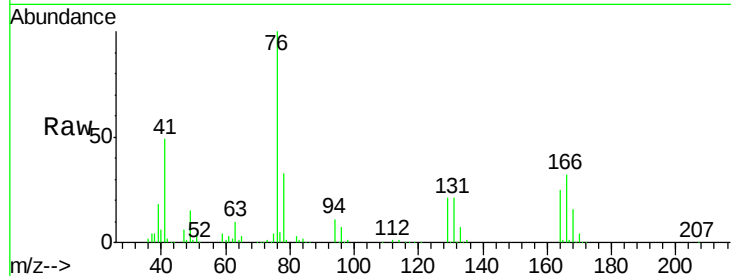
#53
 1,3-Dichloropropane
 Concen: 9.022 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 76 Resp: 247584
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5

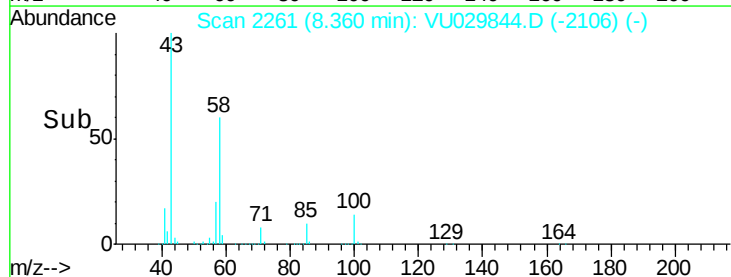
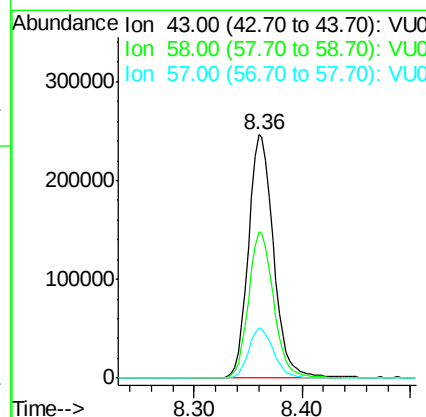
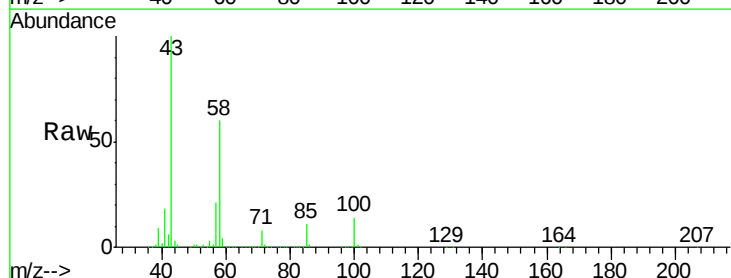
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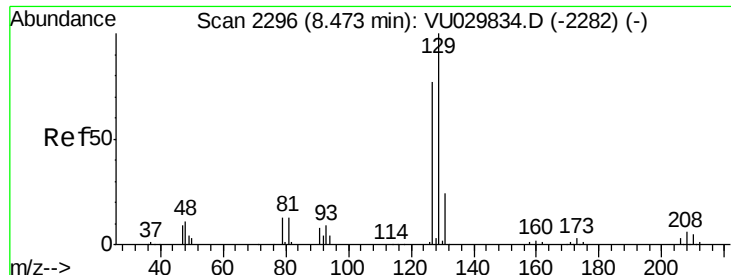
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#54
 2-Hexanone
 Concen: 48.790 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion: 43 Resp: 399447
 Ion Ratio Lower Upper
 43 100
 58 60.0 39.6 79.6
 57 20.5 0.5 40.5





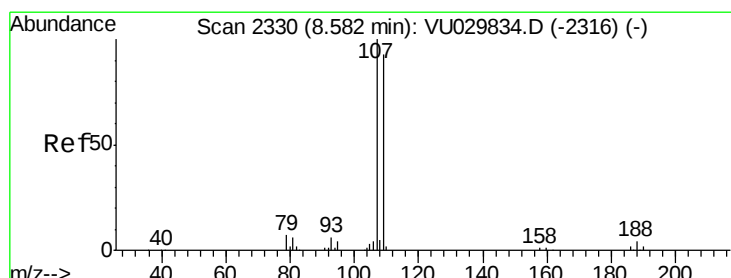
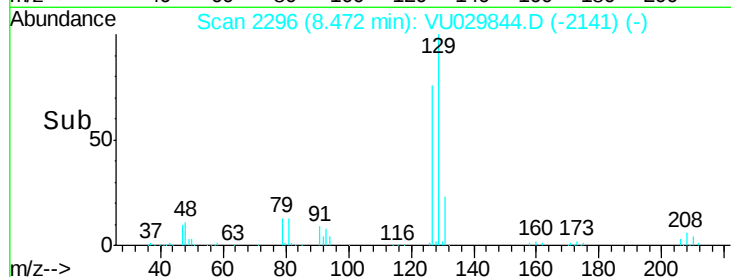
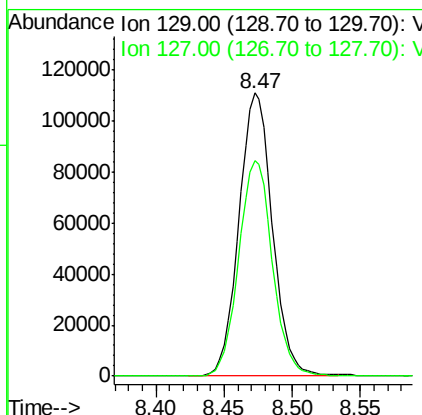
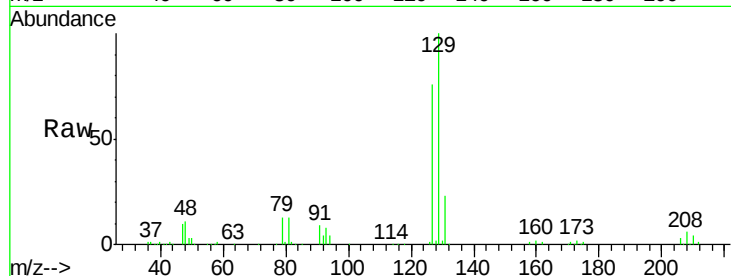
#55
 Dibromochloromethane
 Concen: 9.513 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		188889		
127	76.7		61.6	92.4	

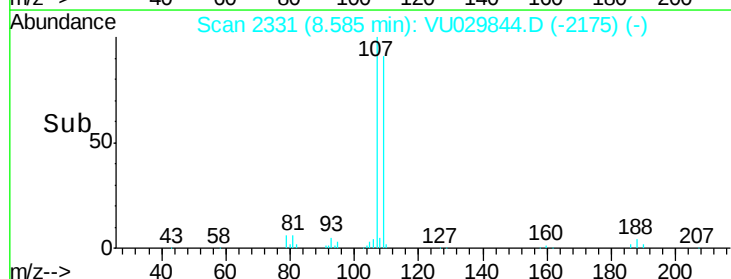
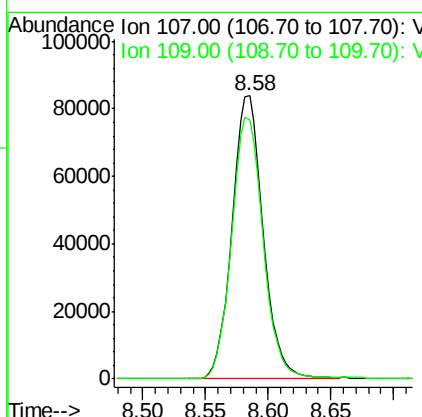
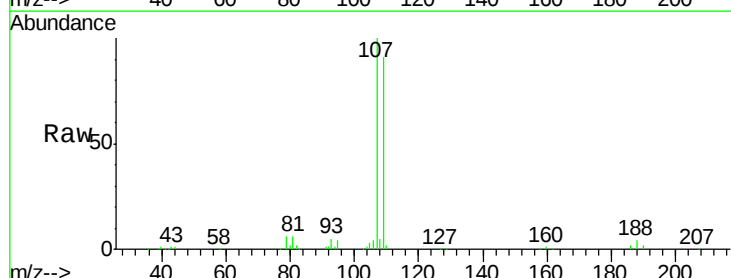
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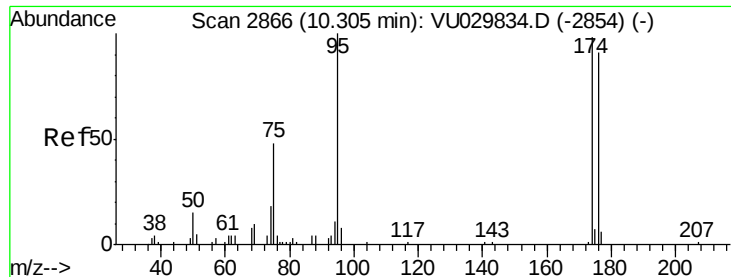
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#56
 1,2-Dibromoethane
 Concen: 9.090 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		144203		
109	94.1		0.0	188.4	





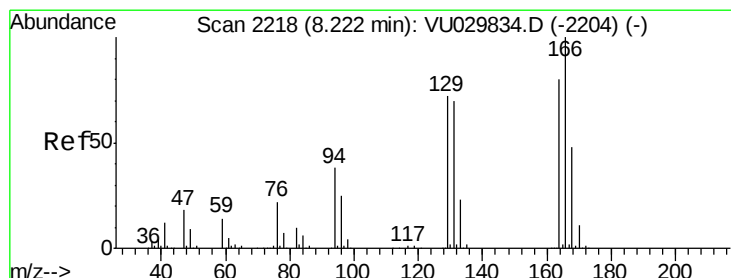
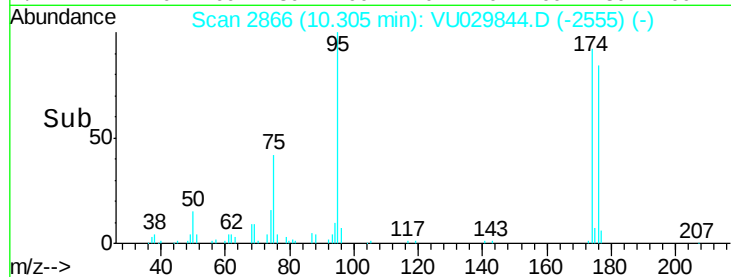
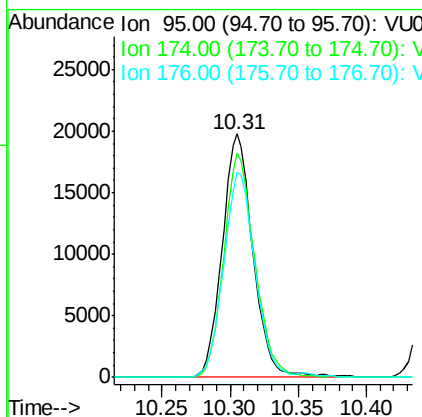
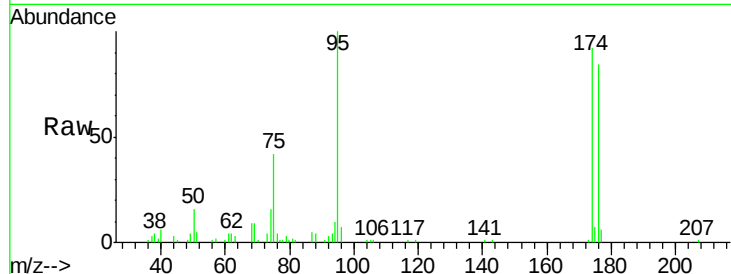
#57
4-Bromofluorobenzene
Concen: 9.090 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	92.8	76.5	114.7
176	85.8	74.2	111.2

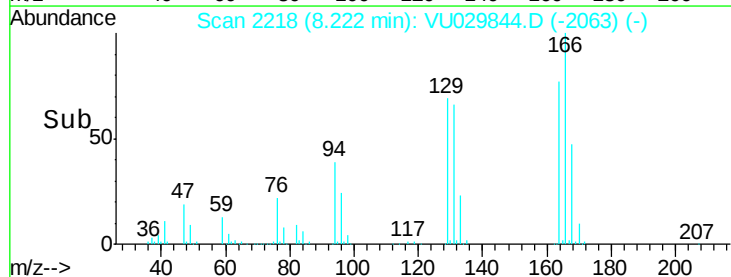
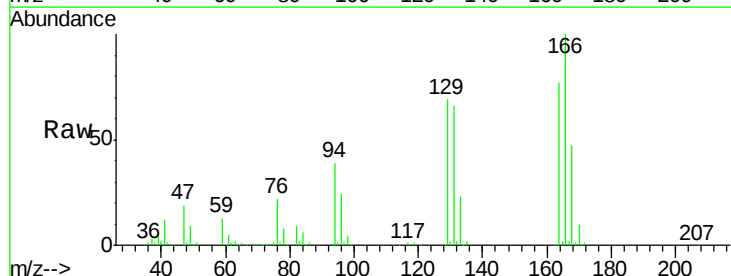
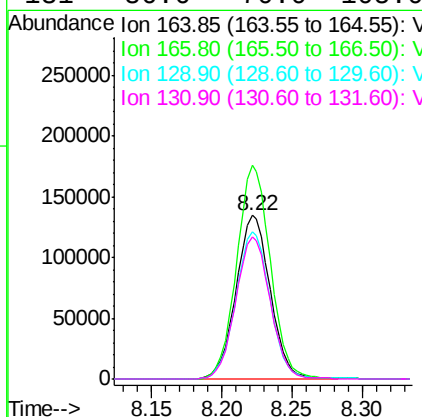
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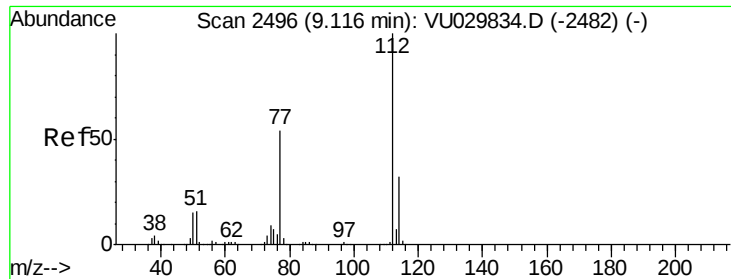
MMDadoda
3/8/2019 11:47:15 AM



#58
Tetrachloroethene
Concen: 8.904 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.5	150.7
129	90.3	72.3	108.5
131	86.6	70.0	105.0





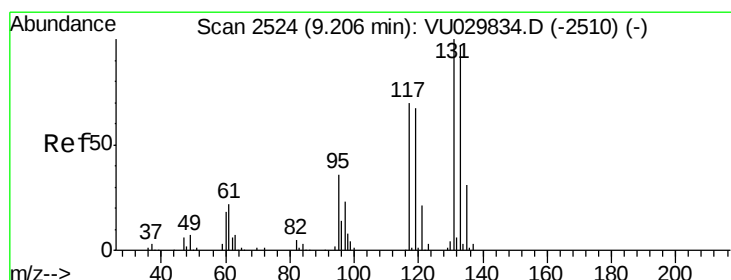
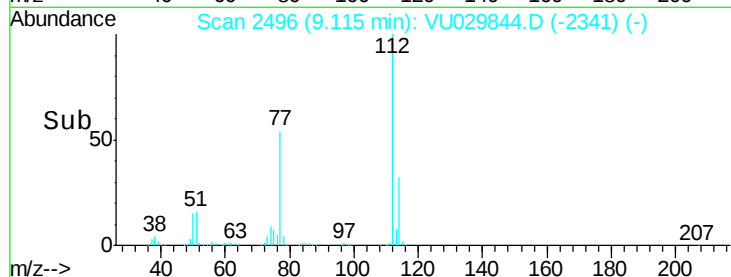
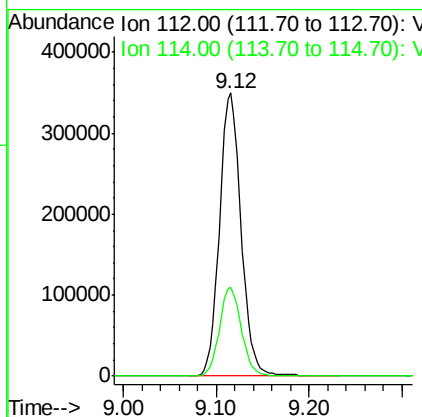
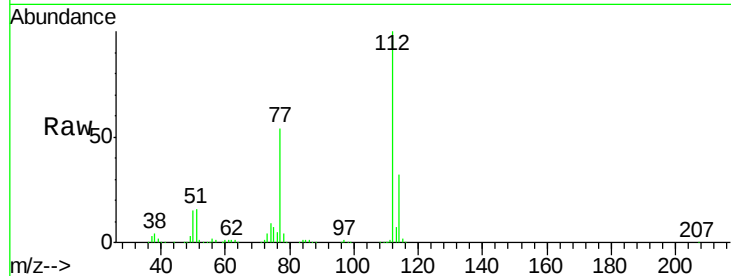
#59
Chlorobenzene
Concen: 9.295 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.2

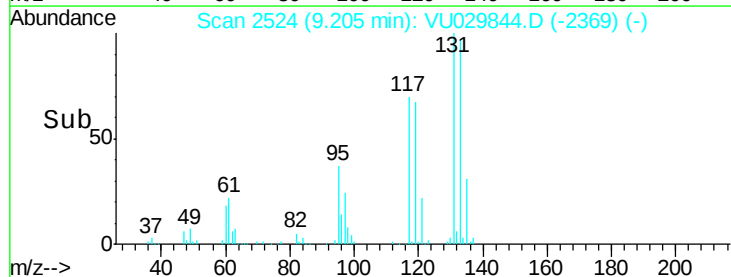
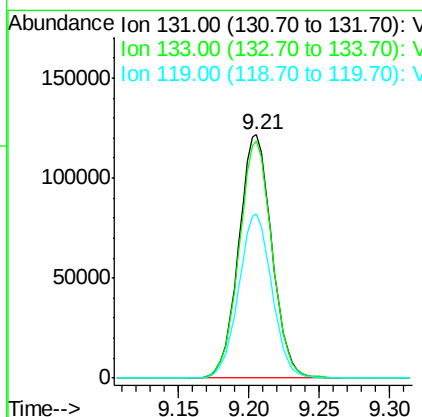
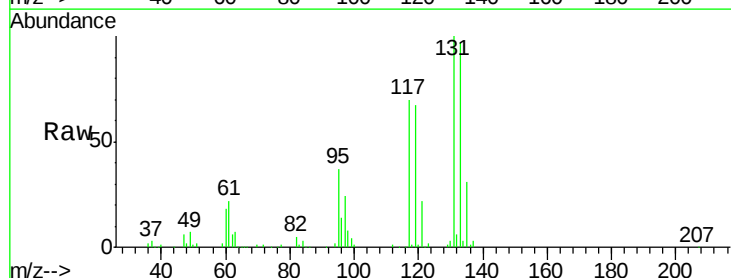
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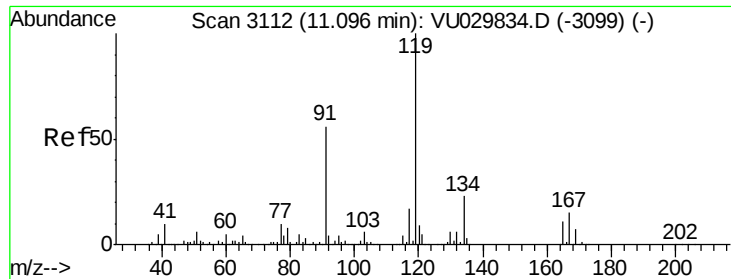
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#60
1,1,1,2-Tetrachloroethane
Concen: 9.185 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	76.4	114.6
119	67.6	54.2	81.4





#61

Pentachloroethane

Concen: 9.275 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 140855

Ion Ratio Lower Upper

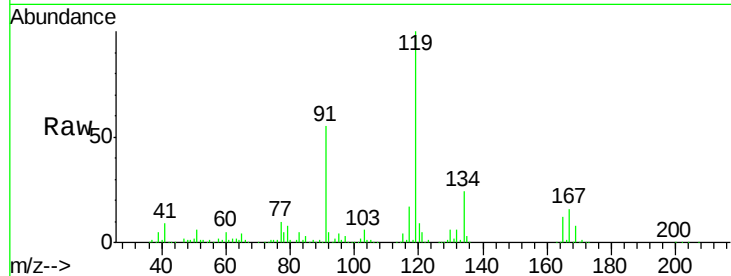
117 100

167 90.8 71.4 107.2

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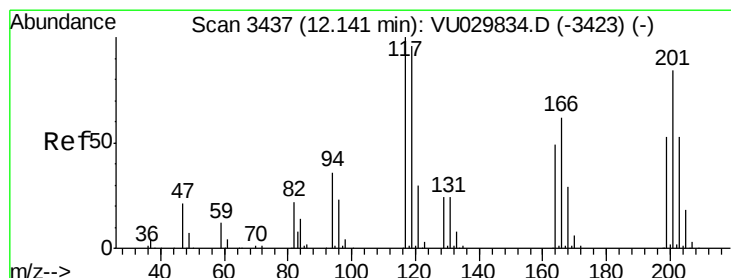
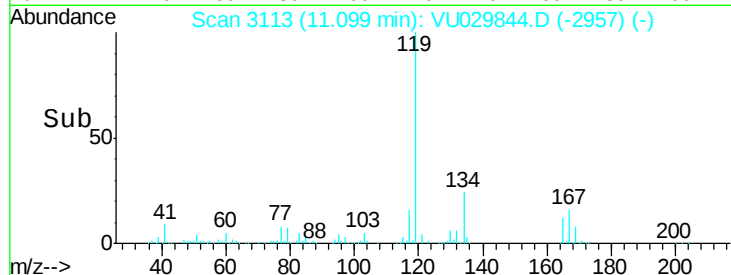
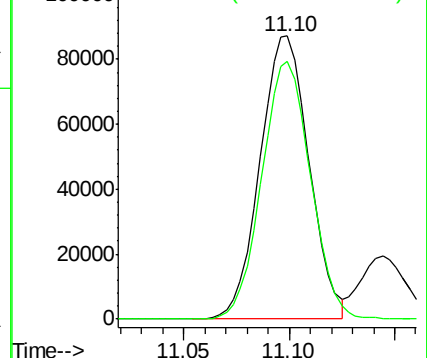
MMDadoda

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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: 10.056 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029844.D

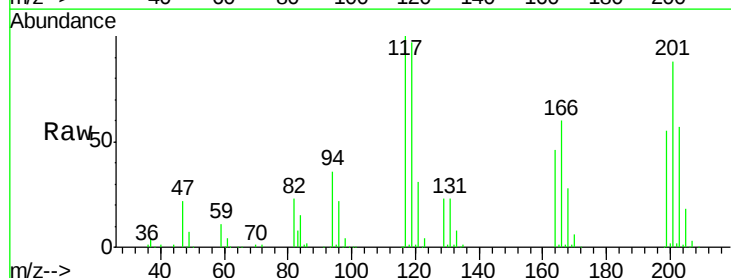
Acq: 07 Mar 2019 09:47

Tgt Ion:117 Resp: 160653

Ion Ratio Lower Upper

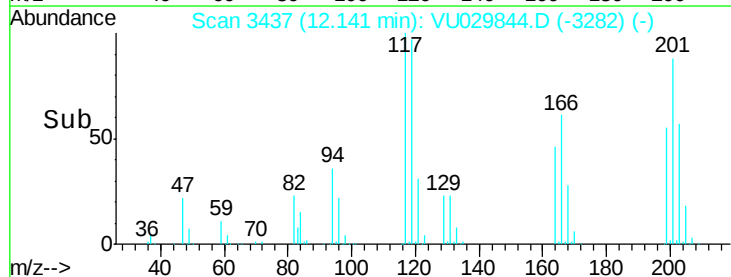
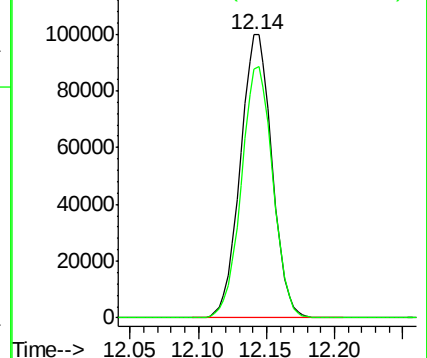
117 100

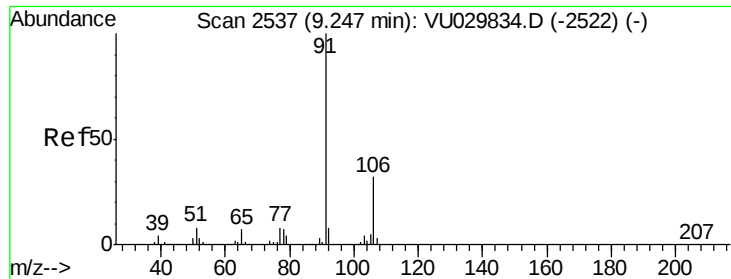
201 88.1 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





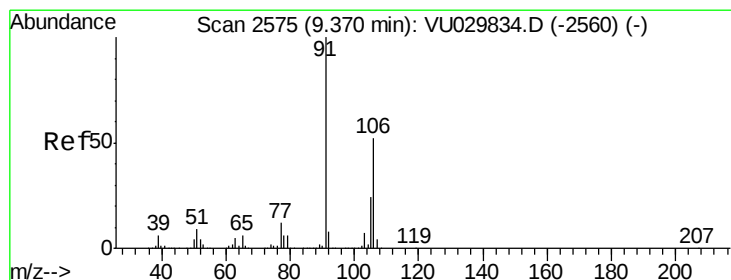
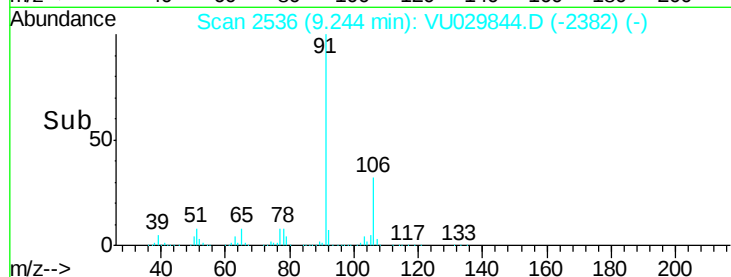
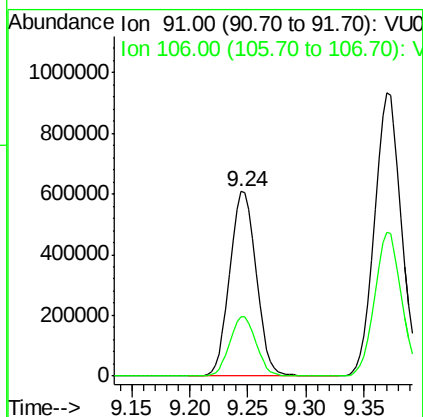
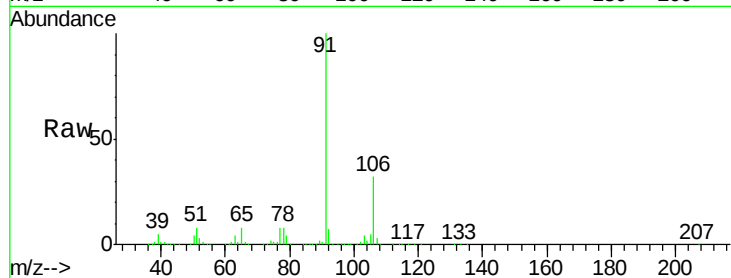
#63
Ethyl Benzene
Concen: 9.645 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 960749
Ion Ratio Lower Upper
91 100
106 32.4 25.7 38.5

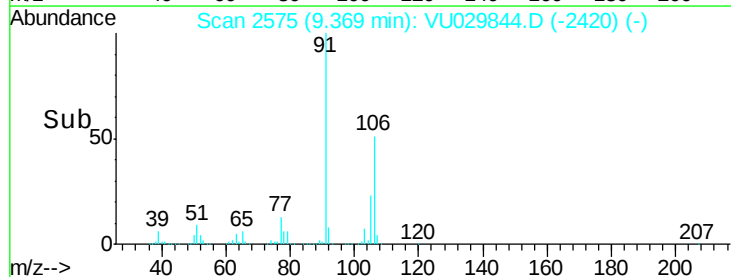
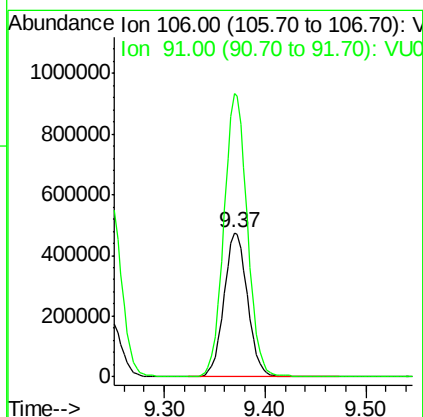
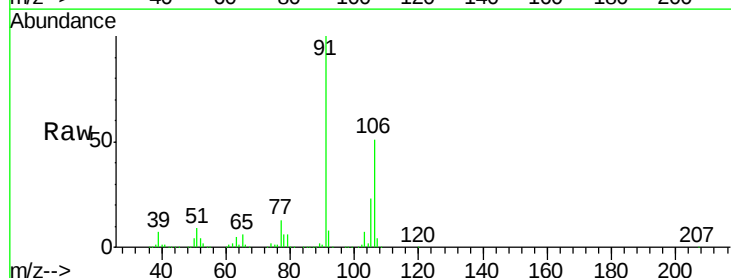
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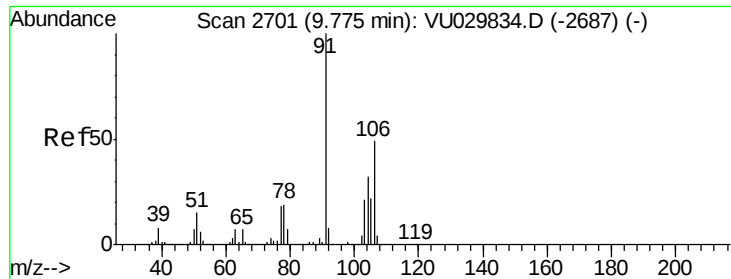
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#64
m/p-Xylenes
Concen: 19.593 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion: 106 Resp: 771525
Ion Ratio Lower Upper
106 100
91 195.5 155.3 232.9





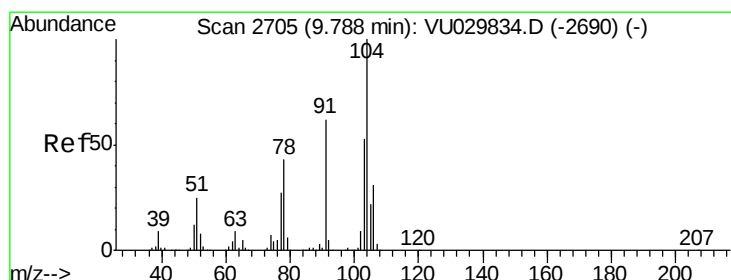
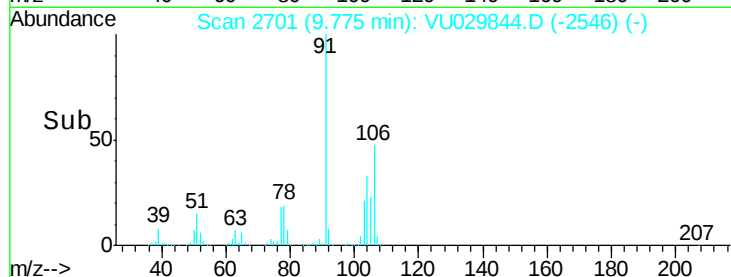
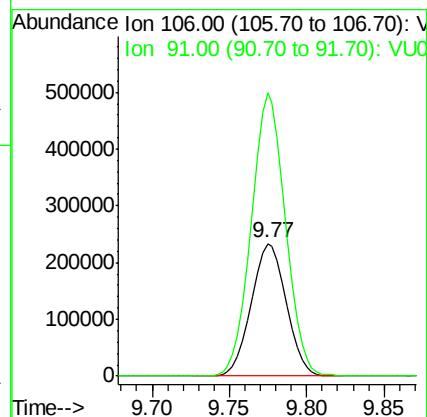
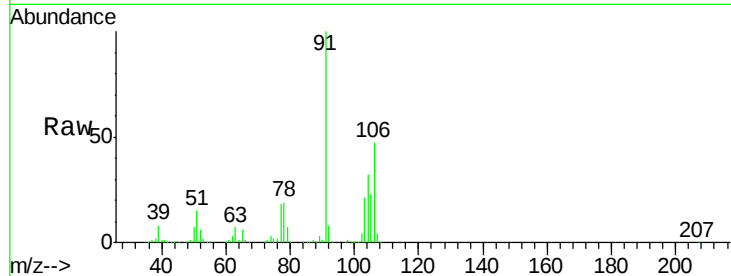
#65
o-Xylene
Concen: 9.751 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		368788		
91	208.2	102.8	308.3		

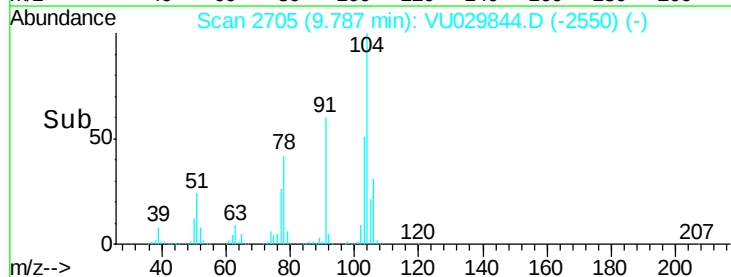
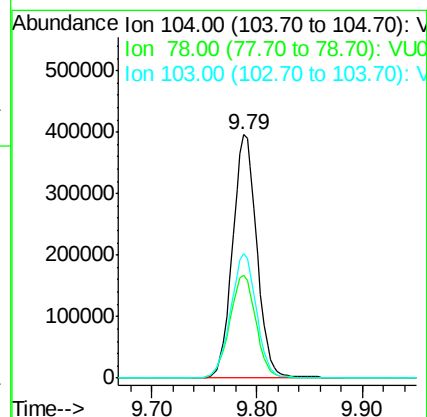
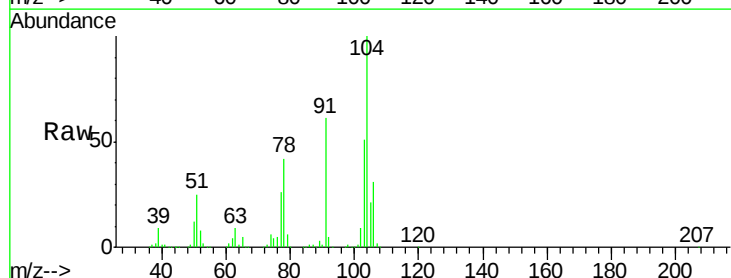
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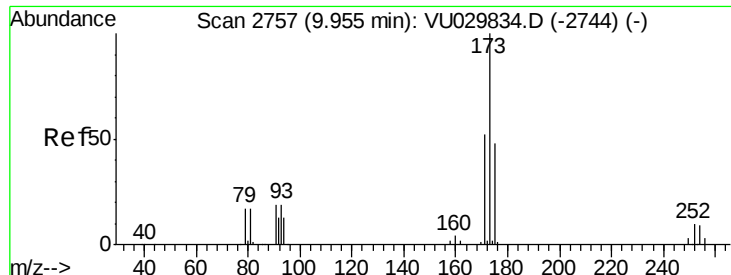
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#66
Styrene
Concen: 10.038 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		630673		
78	46.1	37.2	55.8		
103	54.5	44.7	67.1		





#67

Bromoform

Concen: 9.820 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

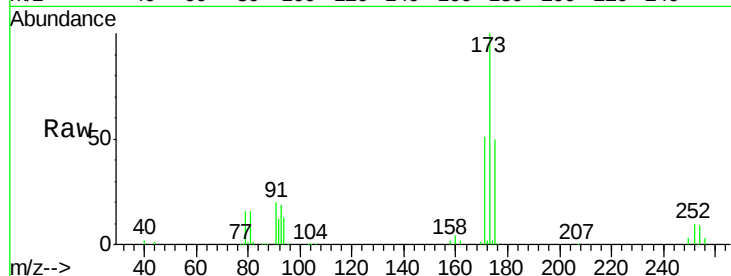
ClientSampleId :

VSTDCCC010

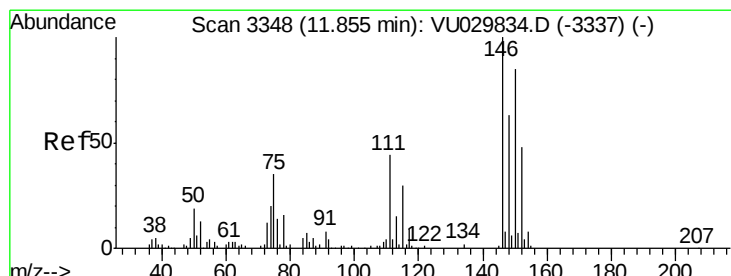
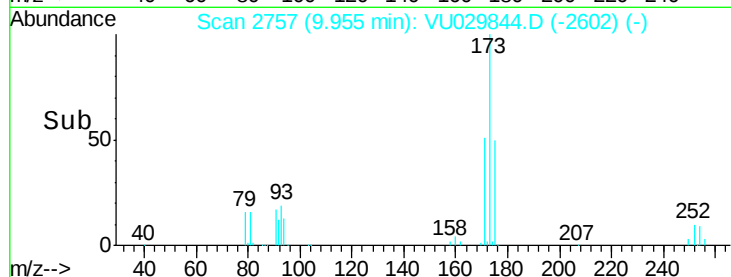
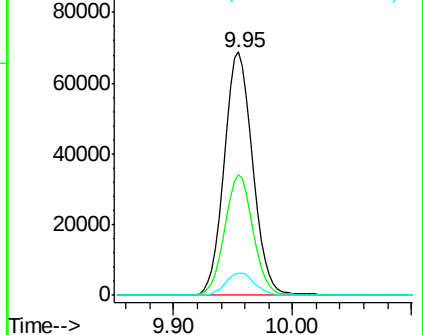
Tot Ion:	173	Resp:	114531
Ion Ratio	Lower	Upper	
173	100		
175	49.2	38.6	57.8
254	9.4	7.4	11.2

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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: 9.820 ug/l

RT: 11.85 min Scan# 3348

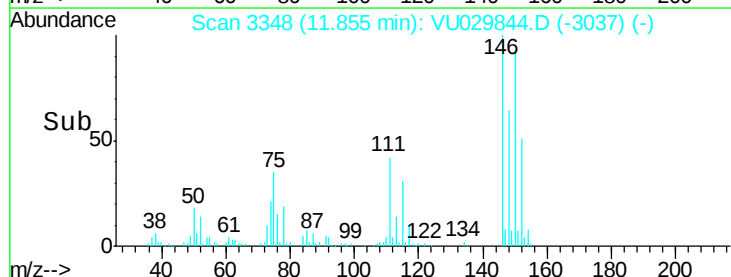
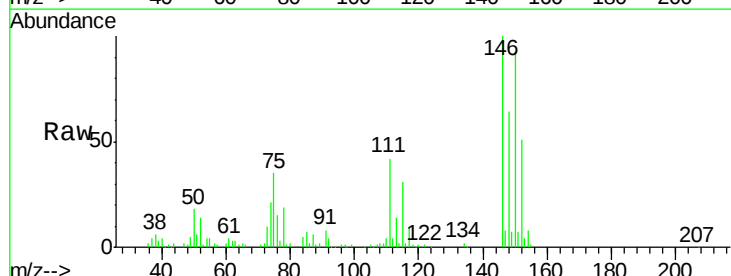
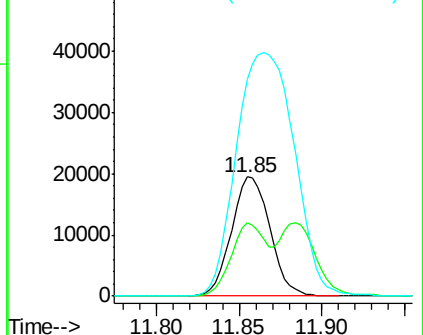
Delta R.T. -0.00 min

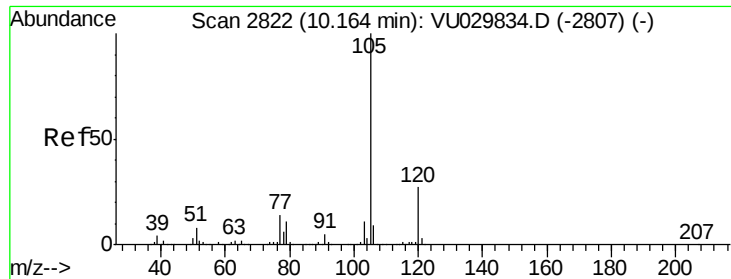
Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Tgt Ion:	152	Resp:	31354
Ion Ratio	Lower	Upper	
152	100		
115	59.1	0.0	124.0
150	309.3	0.0	631.2

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: 9.756 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 978381

Ion Ratio Lower Upper

105 100

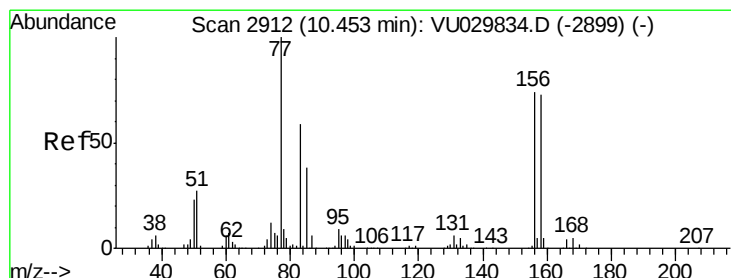
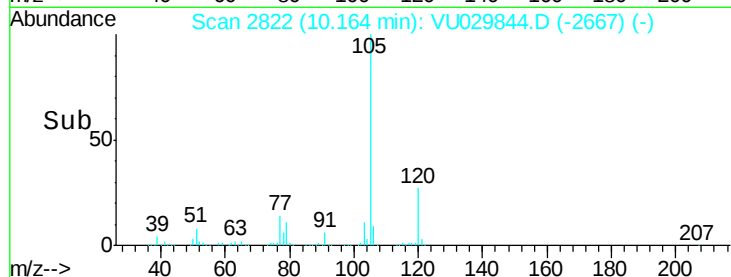
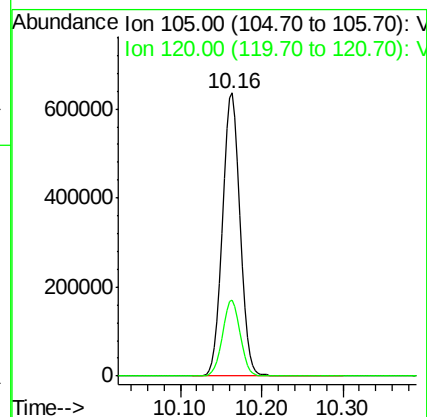
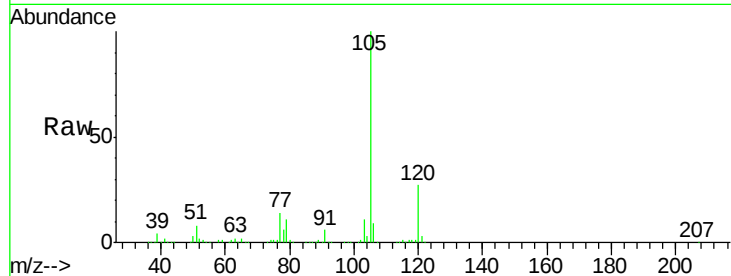
120 27.0 13.5 40.5

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#70

1,1,2,2-Tetrachloroethane

Concen: 9.202 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

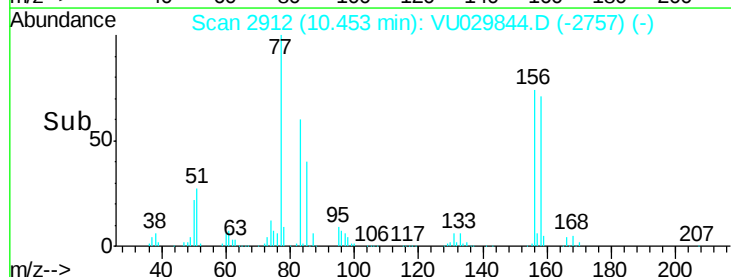
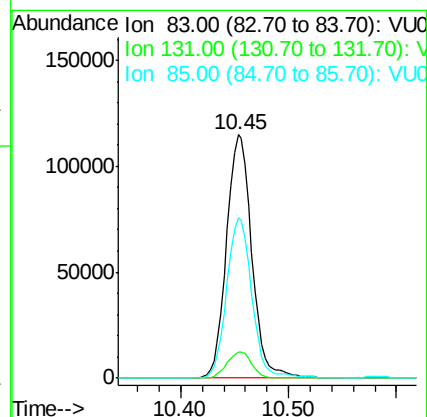
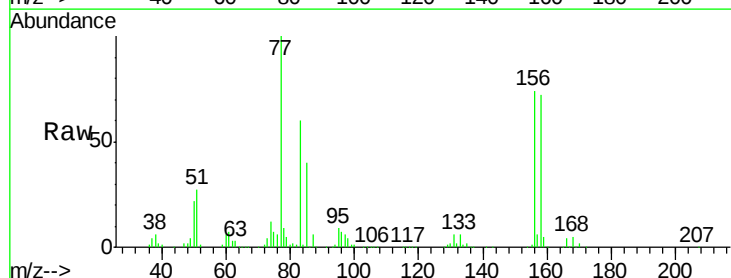
Tgt Ion: 83 Resp: 187766

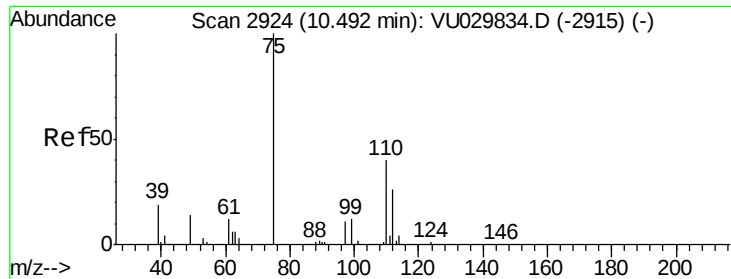
Ion Ratio Lower Upper

83 100

131 10.6 8.3 12.5

85 65.6 52.5 78.7





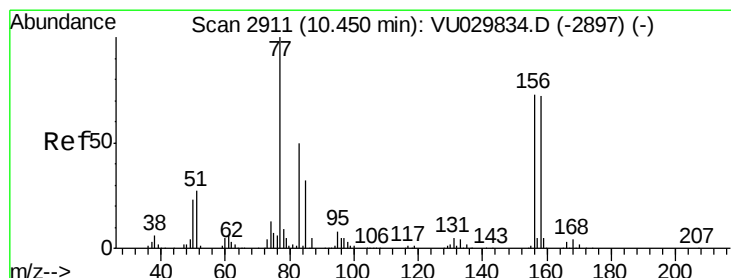
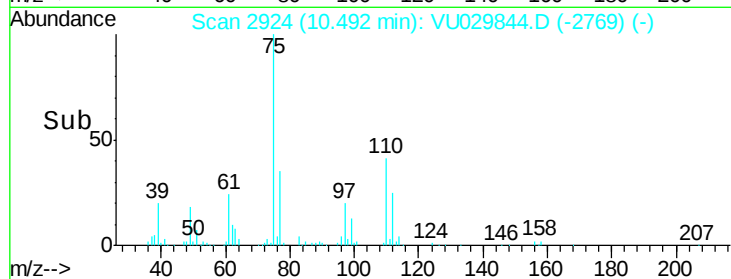
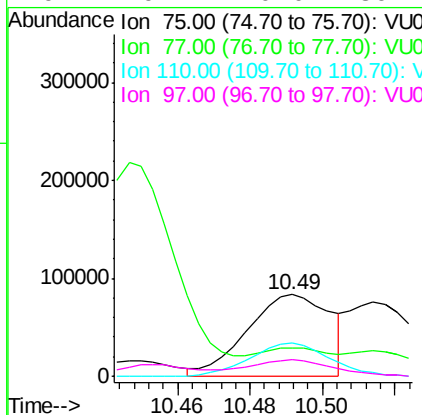
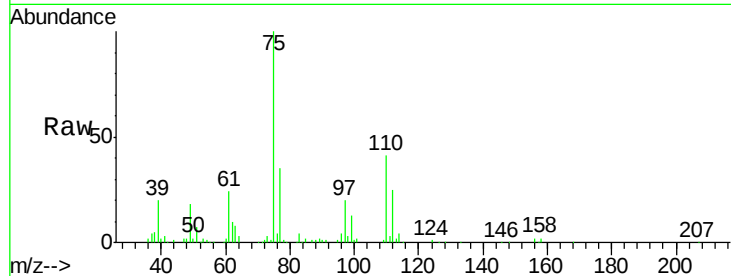
#71
 1,2,3-Trichloropropane
 Concen: 8.793 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	133337		
77	77	8.1	0.0	16.4	
110	110	39.5	0.0	74.8	
97	97	19.7	0.0	39.4	

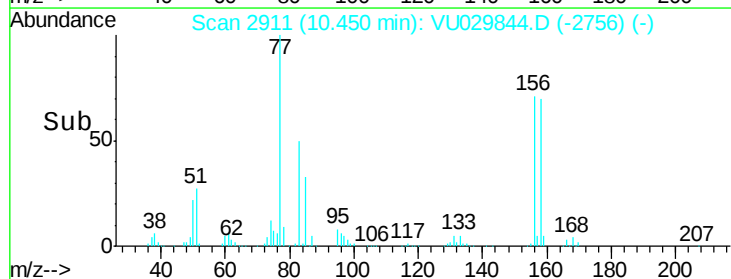
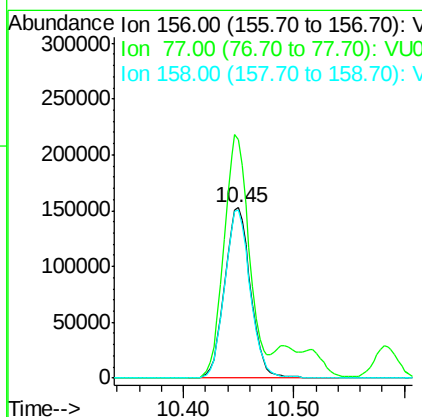
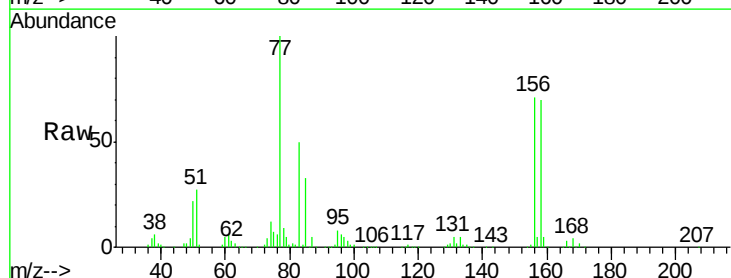
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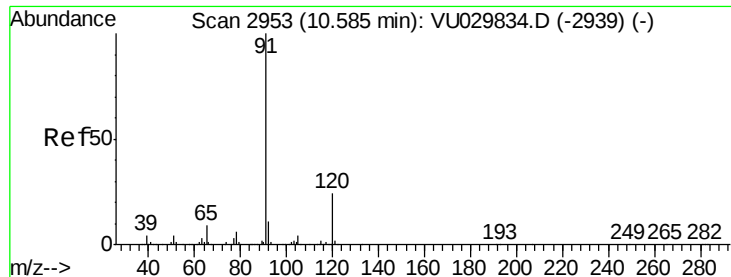
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#72
 Bromobenzene
 Concen: 9.390 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	249266		
77	77	138.5	0.0	282.2	
158	158	98.0	0.0	196.2	





#73

n-propylbenzene

Concen: 10.050 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 283347

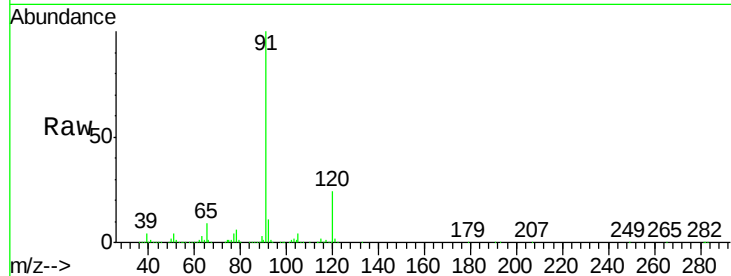
Ion Ratio Lower Upper

120 100

91 414.2 333.4 500.2

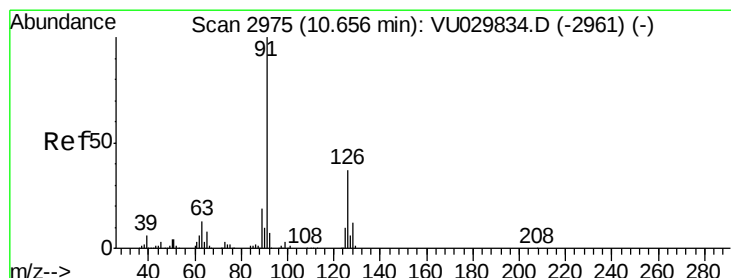
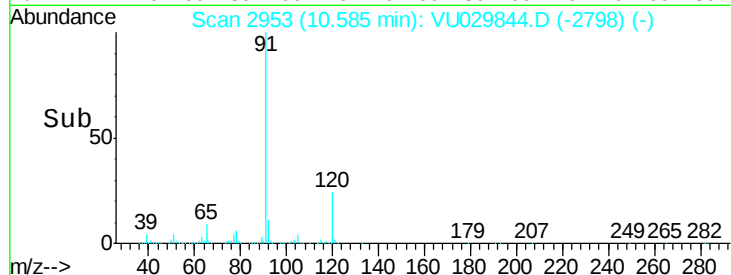
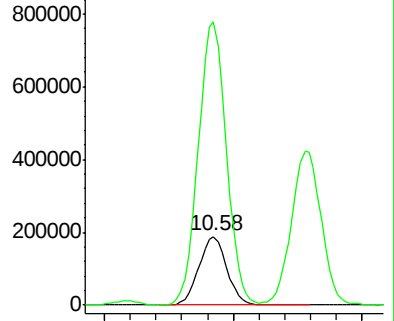
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 9.748 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029844.D

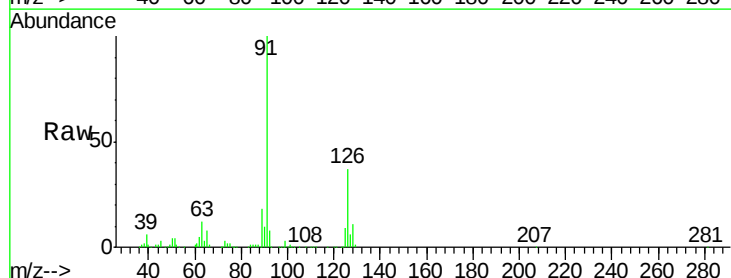
Acq: 07 Mar 2019 09:47

Tgt Ion:126 Resp: 243796

Ion Ratio Lower Upper

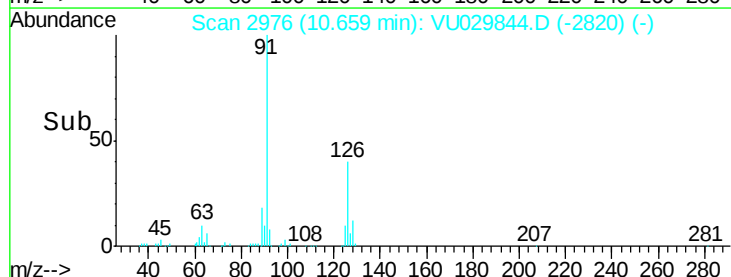
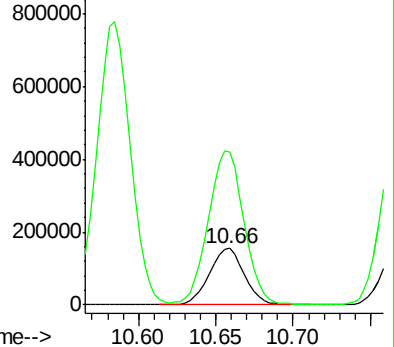
126 100

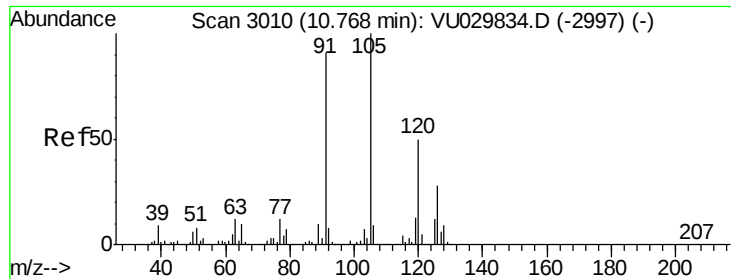
91 275.8 0.0 569.0



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: 9.906 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 836939

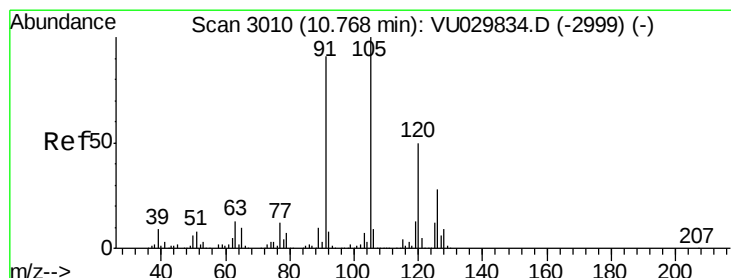
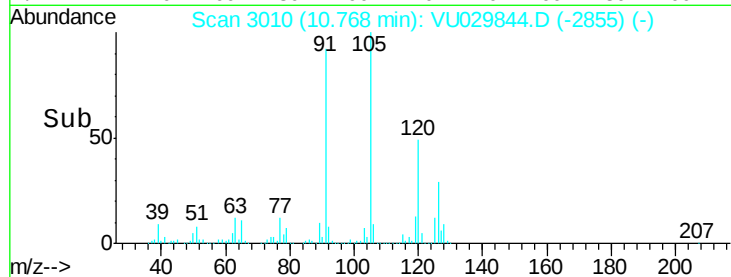
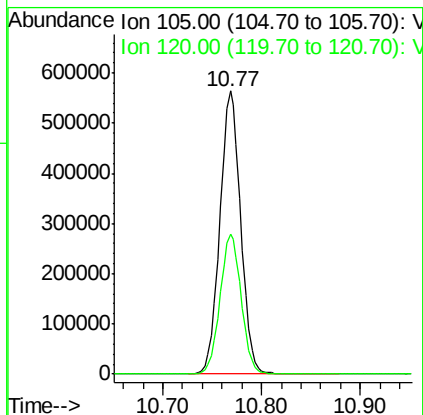
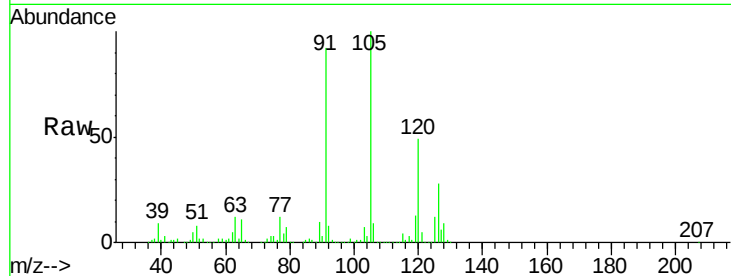
Ion Ratio Lower Upper

105 100

120 50.2 40.0 60.0

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#76

4-Chlorotoluene

Concen: 9.772 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029844.D

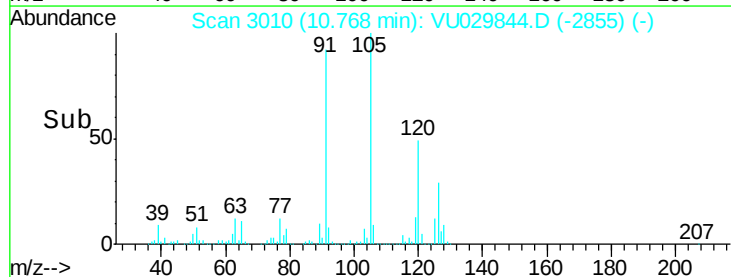
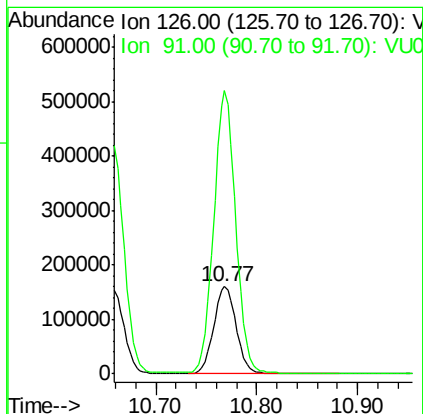
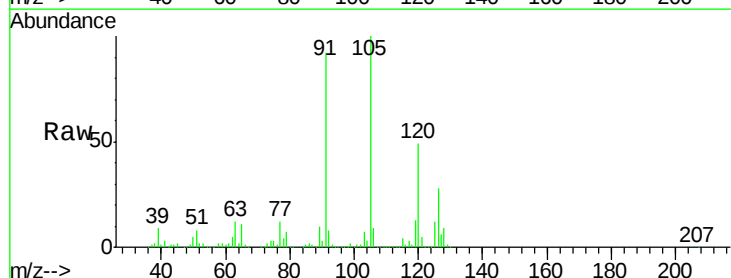
Acq: 07 Mar 2019 09:47

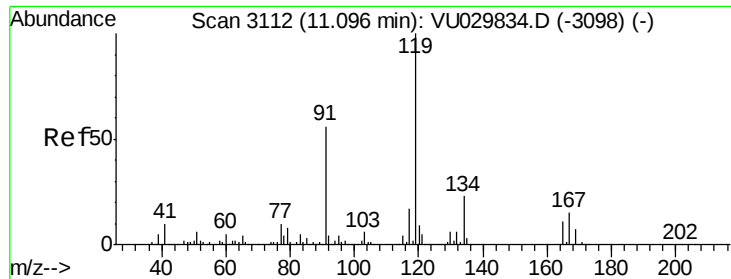
Tgt Ion:126 Resp: 249207

Ion Ratio Lower Upper

126 100

91 317.1 0.0 634.8





#77

tert-Butylbenzene

Concen: 9.703 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

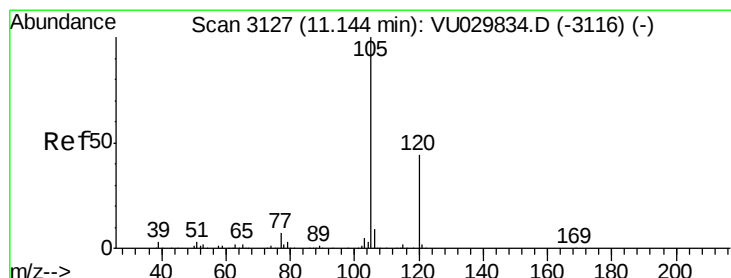
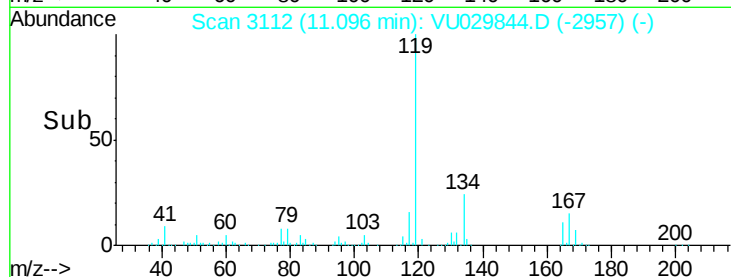
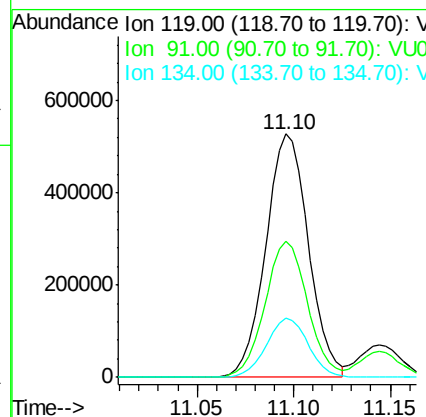
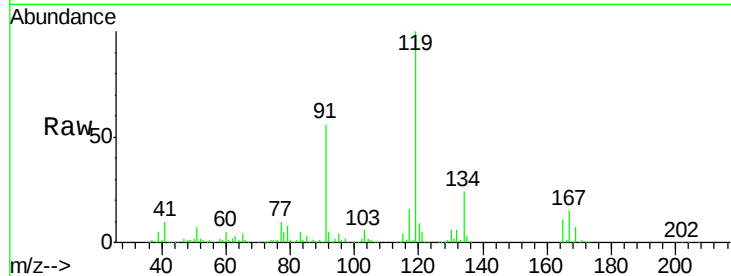
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	811120
Ion Ratio	Lower	Upper	
119	100		
91	55.7	27.7	83.1
134	23.9	18.7	28.1

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#78

1,2,4-Trimethylbenzene

Concen: 10.066 ug/l

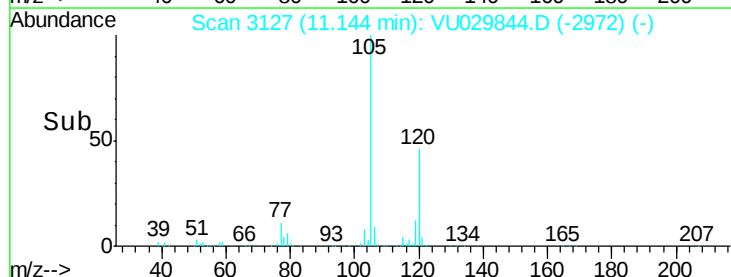
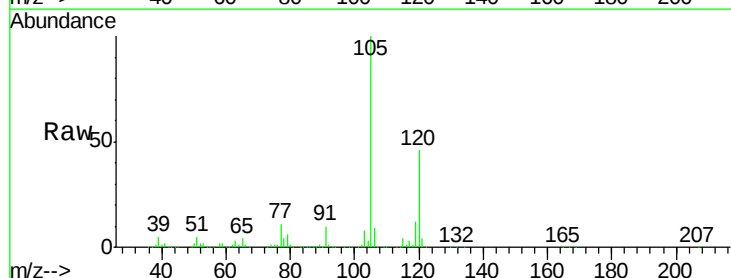
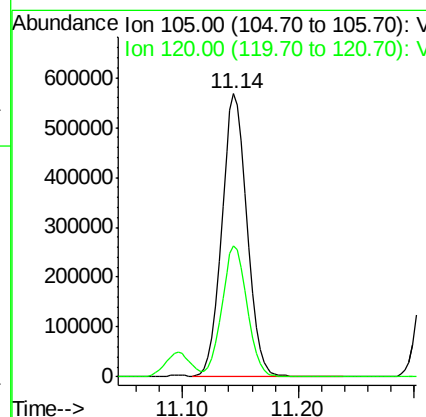
RT: 11.14 min Scan# 3127

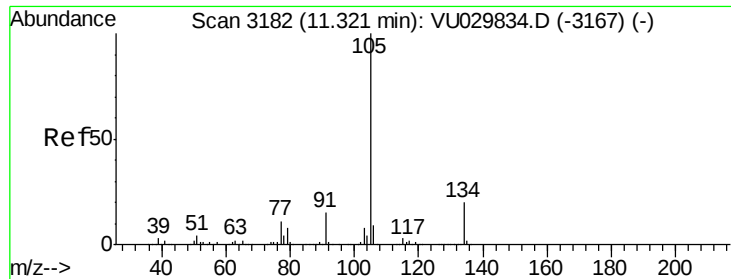
Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Tgt Ion:	105	Resp:	859385
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.5	70.5





#79

sec-Butylbenzene

Concen: 10.025 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 1110598

Ion Ratio Lower Upper

105 100

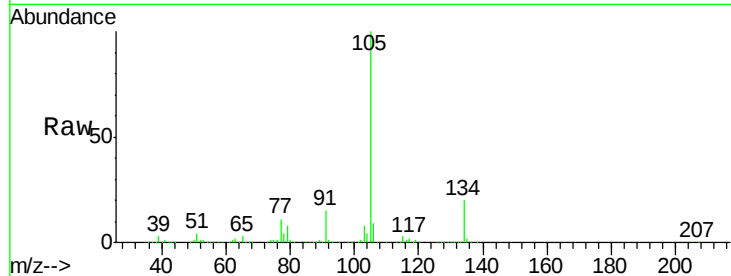
134 20.3 16.3 24.5

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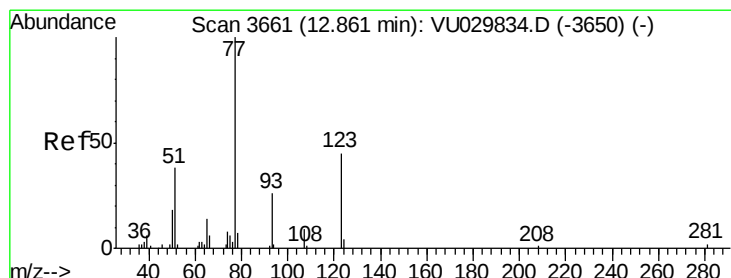
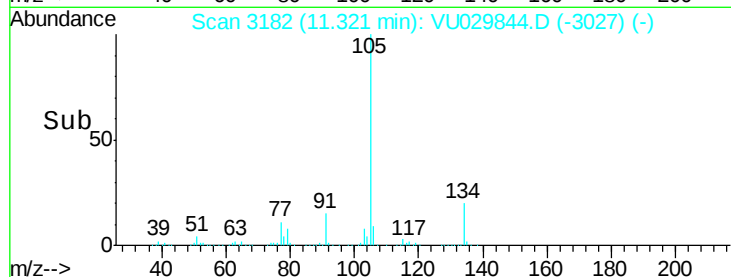
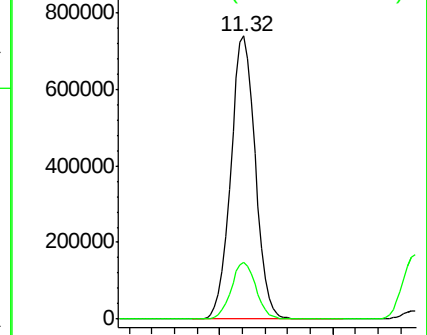
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 60.552 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

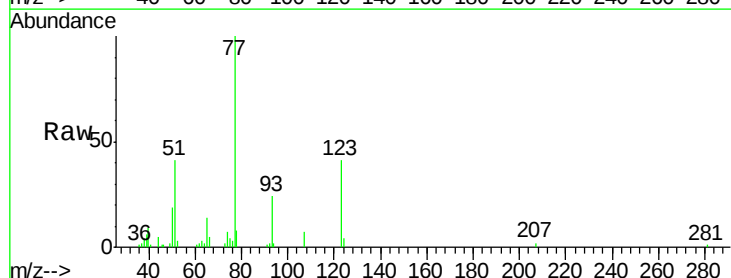
Tgt Ion: 77 Resp: 22429

Ion Ratio Lower Upper

77 100

123 44.9 20.2 71.4

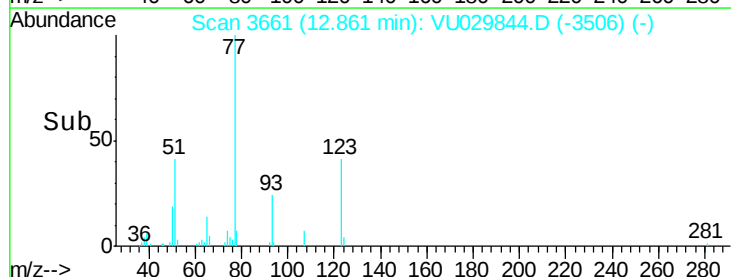
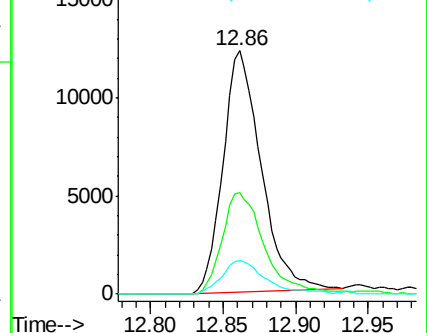
65 15.9 14.0 17.8

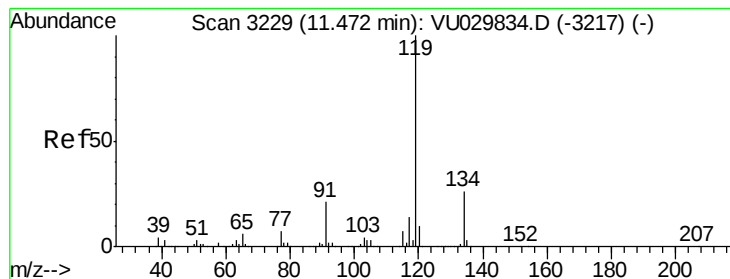


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 10.193 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

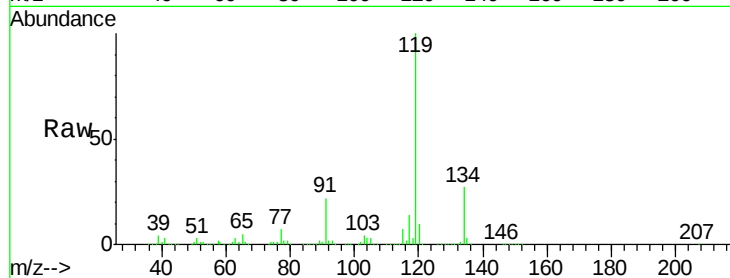
ClientSampleId :

VSTDCCC010

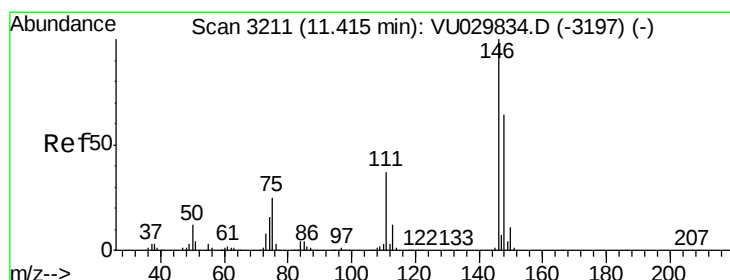
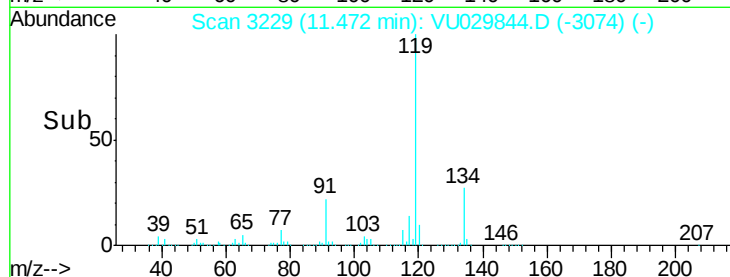
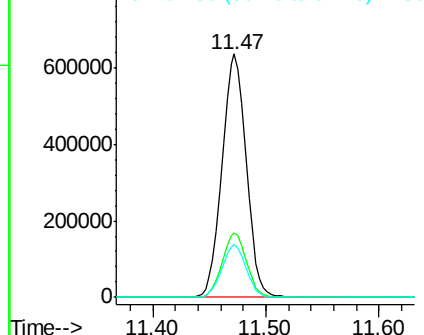
Tot Ion:	119	Resp:	945306
Ion Ratio	Lower	Upper	
119	100		
134	26.7	21.2	31.8
91	21.7	17.2	25.8

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



#82

1,3-Dichlorobenzene

Concen: 9.352 ug/l

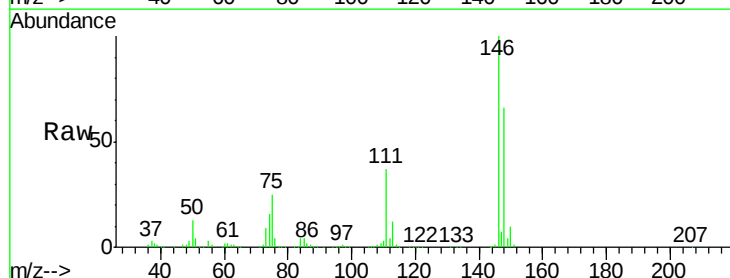
RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

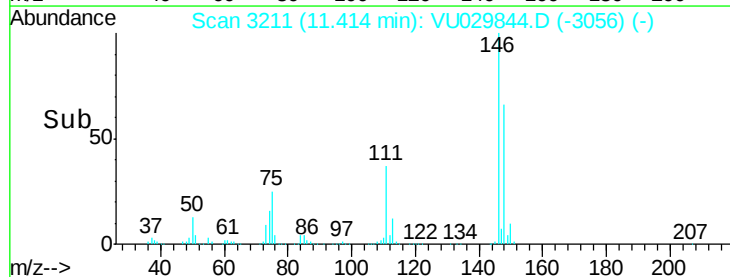
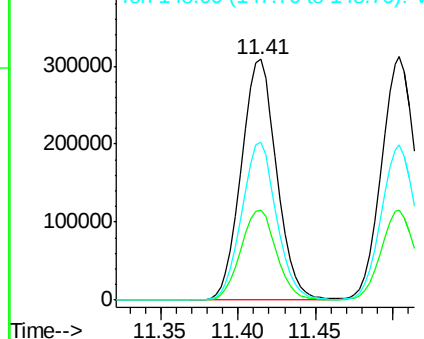
Lab File: VU029844.D

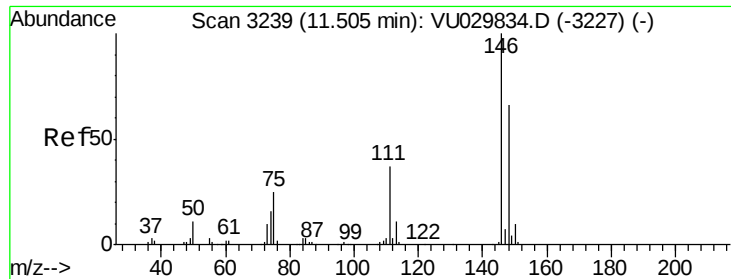
Acq: 07 Mar 2019 09:47

Tgt Ion:	146	Resp:	491679
Ion Ratio	Lower	Upper	
146	100		
111	37.8	30.2	45.4
148	64.5	51.2	76.8



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





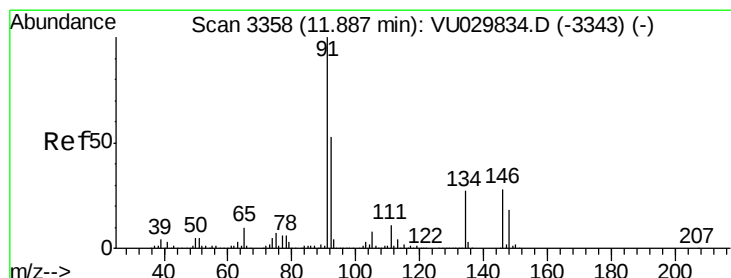
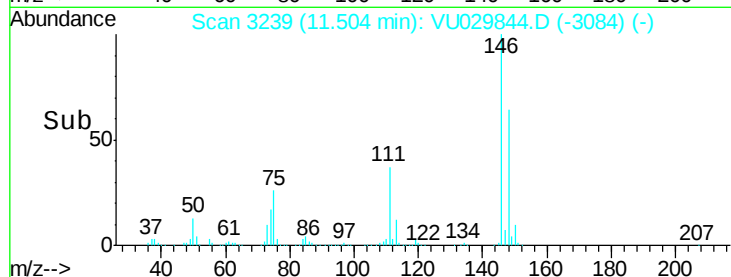
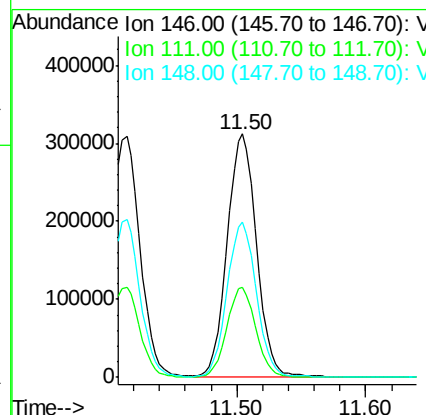
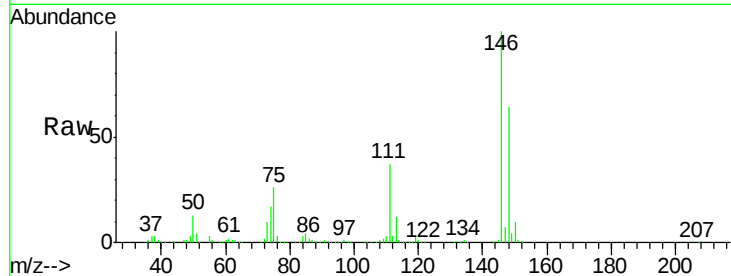
#83
 1,4-Dichlorobenzene
 Concen: 9.562 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	29.4	44.2
148	64.2	51.7	77.5

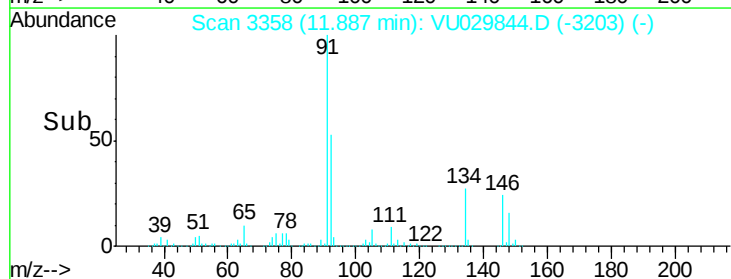
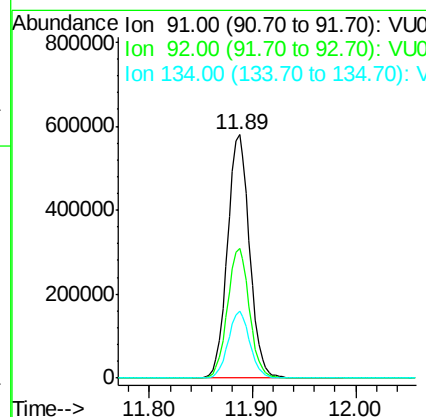
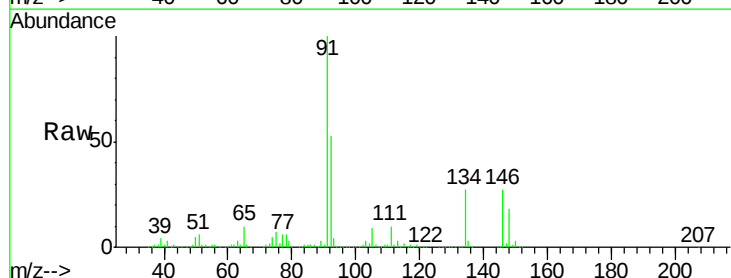
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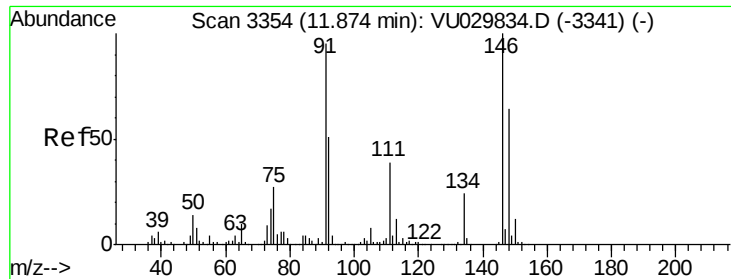
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#84
 n-Butylbenzene
 Concen: 10.217 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.6	63.8
134	27.1	21.7	32.5





#85

1,2-Dichlorobenzene

Concen: 9.318 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Instrument :

MSVOA_U

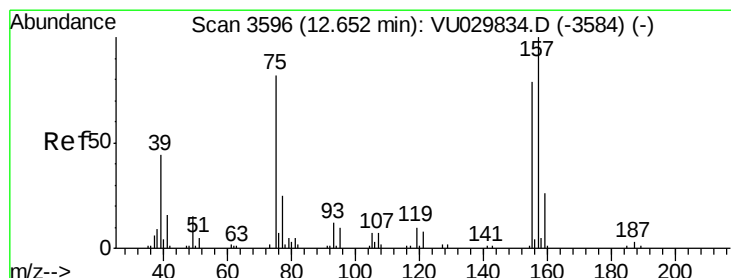
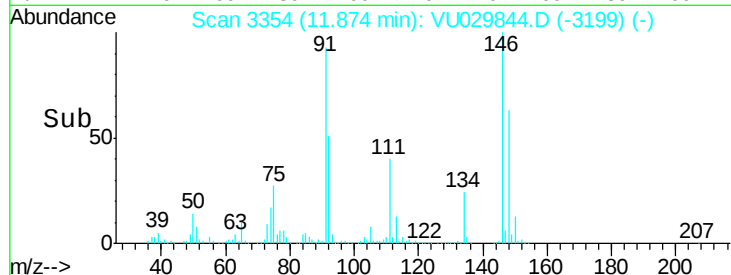
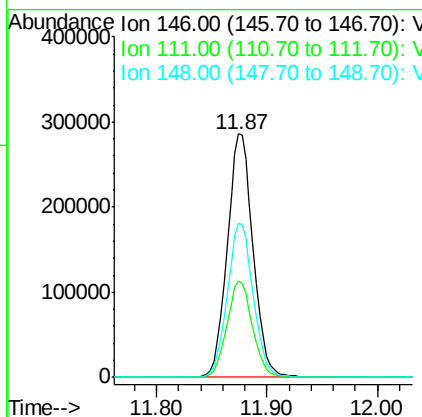
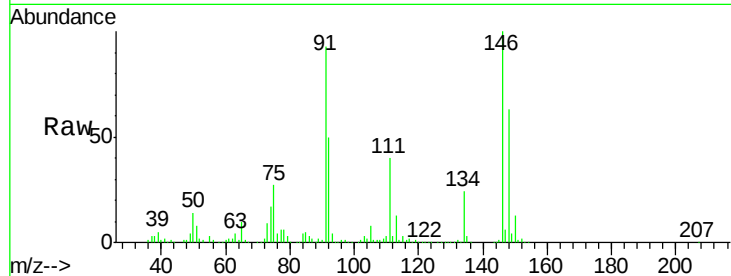
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	461943
Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.7	32.1	96.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 9.706 ug/l

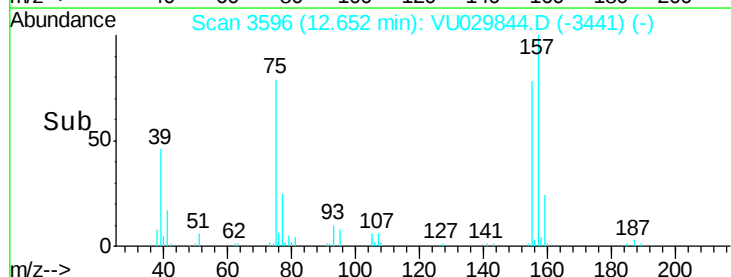
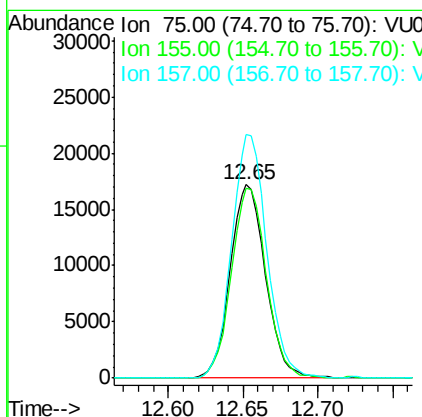
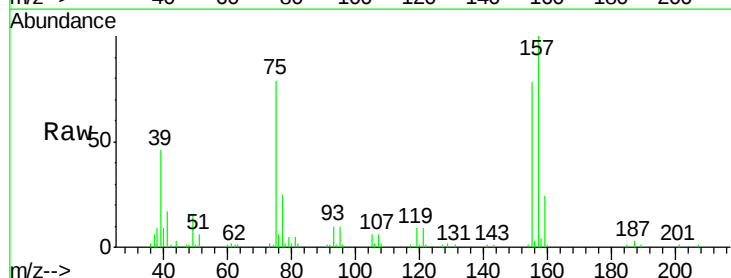
RT: 12.65 min Scan# 3596

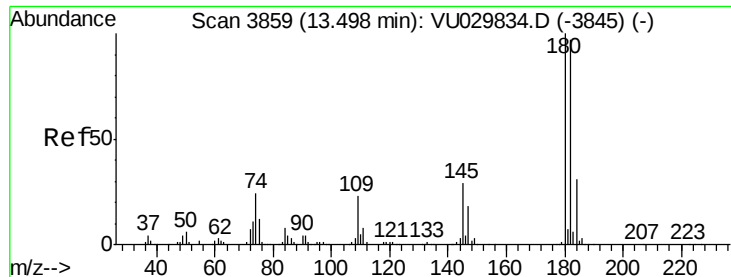
Delta R.T. -0.00 min

Lab File: VU029844.D

Acq: 07 Mar 2019 09:47

Tgt Ion:	75	Resp:	28276
Ion	Ratio	Lower	Upper
75	100		
155	97.3	76.6	114.8
157	125.2	96.2	144.2





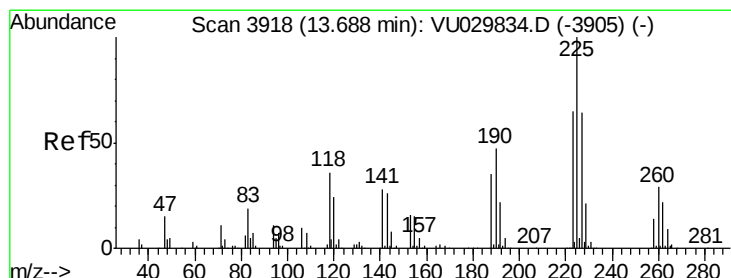
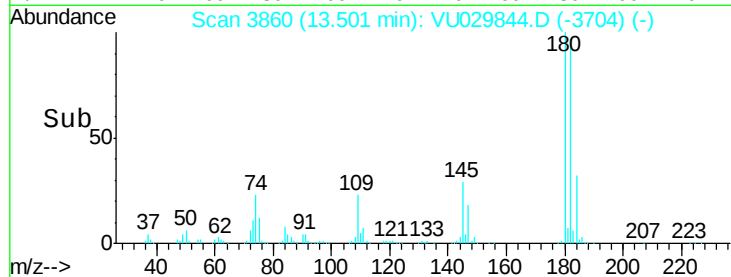
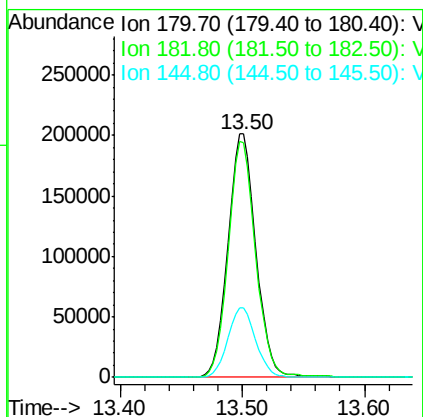
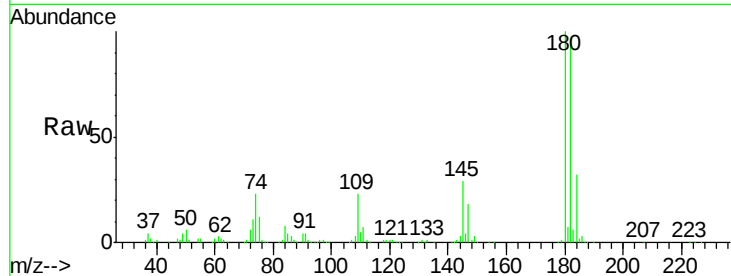
#87
 1,2,4-Trichlorobenzene
 Concen: 10.157 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.5	116.3
145	28.7	23.6	35.4

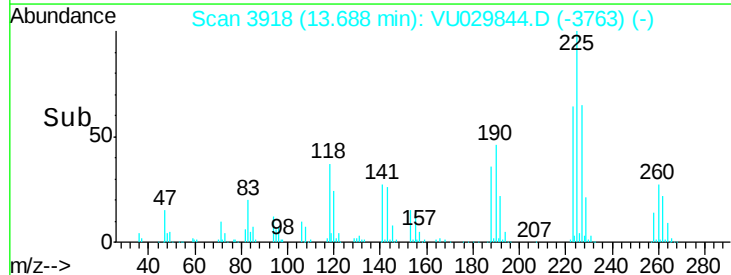
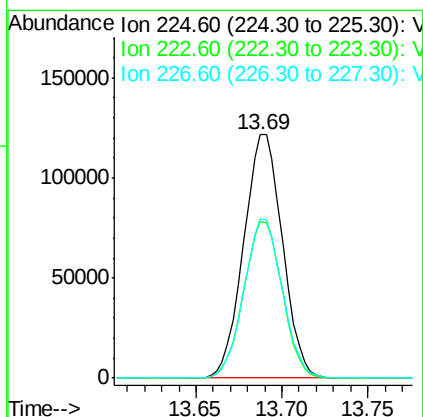
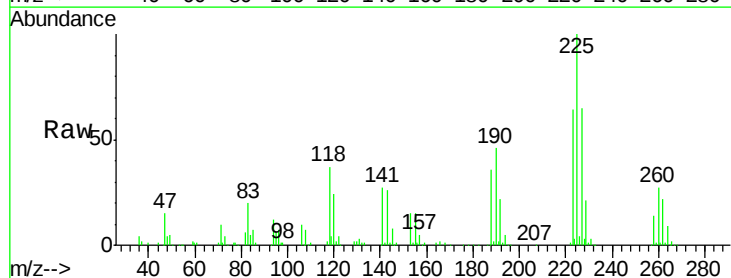
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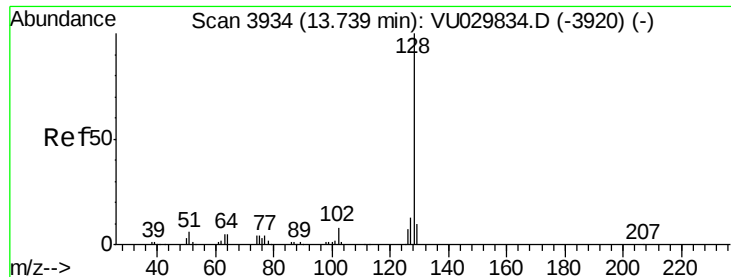
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#88
 Hexachlorobutadiene
 Concen: 9.510 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU029844.D
 Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.2	76.8
227	64.6	50.9	76.3





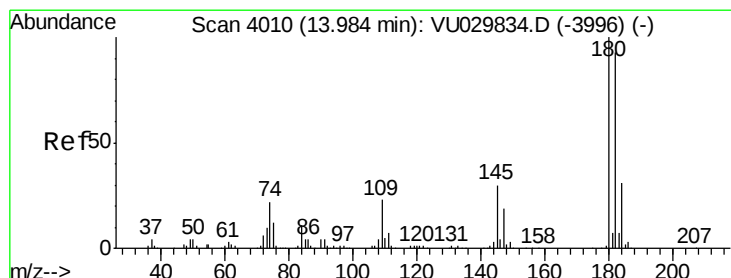
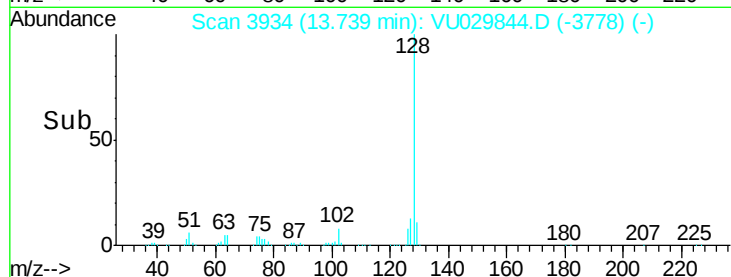
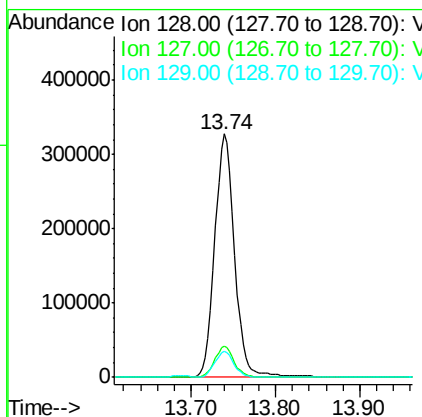
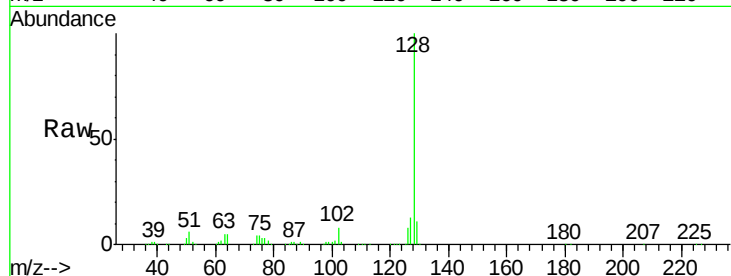
#89
Naphthalene
Concen: 8.791 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.2	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 9.768 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU029844.D
Acq: 07 Mar 2019 09:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	74.8	112.2
145	30.3	24.6	36.8

