

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U031019\
 Data File : VU029881.D
 Acq On : 08 Mar 2019 11:58
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 6:56:01 PM

Quant Time: Mar 08 23:03:25 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	60113	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	24495	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	27202	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	204429	10.163	ug/l	100
3) Chloromethane	1.33	50	174406	9.737	ug/l	100
4) Vinyl Chloride	1.40	62	205073	10.178	ug/l	100
5) Bromomethane	1.62	94	114744	8.339	ug/l	98
6) Chloroethane	1.69	64	122702	10.155	ug/l	96
7) Trichlorofluoromethane	1.88	101	286930	10.450	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	164959	10.327	ug/l	99
9) 1,1-Dichloroethene	2.28	96	160345	10.255	ug/l	99
10) Iodomethane	2.41	142	177241	10.135	ug/l	100
11) Allyl Chloride	2.59	41	225618	10.264	ug/l	99
12) Acrylonitrile	2.93	53	70316	20.624	ug/l	99
13) Acetone	2.32	43	136495	48.339	ug/l	99
14) Carbon Disulfide	2.47	76	496573	9.806	ug/l	99
15) Methylene Chloride	2.70	84	182662	9.735	ug/l	99
16) trans-1,2-Dichloroethene	2.97	96	178055	10.081	ug/l	98
17) 1,1-Dichloroethane	3.44	63	306445	10.369	ug/l	99
18) 2-Butanone	4.27	43	211965	55.236	ug/l	98
19) Cyclohexane	4.99	56	254988m	11.112	ug/l	
20) Methylcyclohexane	6.41	83	295235	11.047	ug/l	99
21) 2,2-Dichloropropane	4.22	77	246918	10.222	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	204156	10.906	ug/l	98
23) Diethyl Ether	2.10	59	122155	10.420	ug/l	98
24) tert-Butyl Alcohol	2.84	59	132539	109.606	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	413856	10.511	ug/l	100
26) Bromochloromethane	4.54	128	88182	10.611	ug/l	98
27) Chloroform	4.67	83	319771	10.685	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	273353	10.773	ug/l	100
29) 1,1-Dichloropropene	5.13	75	238845	10.592	ug/l	98
30) Carbon Tetrachloride	5.13	117	237592	10.733	ug/l	98
31) Isopropyl Ether	3.58	45	441243	10.825	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	434207	10.959	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	408273	11.143	ug/l	99
34) Propionitrile	4.33	54	66324	58.102	ug/l	98
35) Benzene	5.38	78	710335	10.694	ug/l	99
36) 1,2-Dichloroethane	5.40	62	190195	10.484	ug/l	99
37) Trichloroethene	6.18	130	203497	10.493	ug/l	100
38) 1,2-Dichloropropane	6.43	63	180718	10.748	ug/l	99
39) Methacrylonitrile	4.55	41	52064	10.843	ug/l	99
40) Methyl acrylate	4.42	55	87287	11.501	ug/l	99
41) Tetrahydrofuran	4.65	42	52284	20.818	ug/l	99
42) 1-Chlorobutane	5.06	56	316809	10.998	ug/l	99

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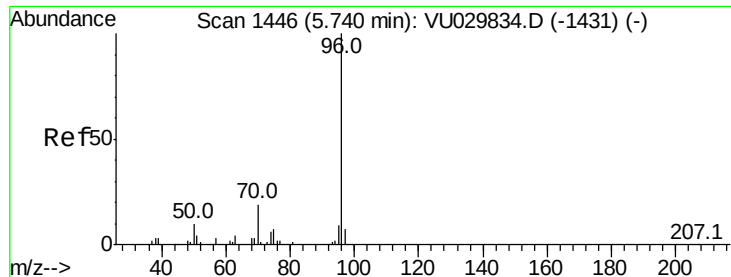
Manual Integrations
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Quant Time: Mar 08 23:03:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	94140	10.803	ug/l	99
44) Bromodichloromethane	6.75	83	229793	10.737	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	511417	56.272	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	84903m	22.345	ug/l	
47) Methyl methacrylate	6.62	69	172527	23.072	ug/l	98
48) Ethyl methacrylate	8.02	69	168753	11.778	ug/l	99
49) Toluene	7.63	92	455028	11.155	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	207463	11.062	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	260177	11.206	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	138566	10.743	ug/l	97
53) 1,3-Dichloropropane	8.24	76	229641	10.855	ug/l	99
54) 2-Hexanone	8.36	43	356735	56.518	ug/l	99
55) Dibromochloromethane	8.47	129	168242	10.990	ug/l	100
56) 1,2-Dibromoethane	8.59	107	131029	10.713	ug/l	99
58) Tetrachloroethene	8.22	164	219654	11.089	ug/l	99
59) Chlorobenzene	9.12	112	518286	11.056	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	182725	10.865	ug/l	99
61) Pentachloroethane	11.10	117	122012	10.421	ug/l	98
62) Hexachloroethane	12.14	117	134365	10.909	ug/l	97
63) Ethyl Benzene	9.25	91	873344	11.372	ug/l	100
64) m/p-Xylenes	9.37	106	704690	23.212	ug/l	99
65) o-Xylene	9.77	106	335184	11.496	ug/l	98
66) Styrene	9.79	104	573159	11.832	ug/l	99
67) Bromoform	9.95	173	101482	11.287	ug/l	99
69) Isopropylbenzene	10.16	105	891629	11.532	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	170256	10.823	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	121648m	10.405	ug/l	
72) Bromobenzene	10.45	156	229647	11.221	ug/l	97
73) n-propylbenzene	10.58	120	255351	11.748	ug/l	99
74) 2-Chlorotoluene	10.66	126	218409	11.328	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	762907	11.713	ug/l	100
76) 4-Chlorotoluene	10.77	126	224603	11.424	ug/l	100
77) tert-Butylbenzene	11.10	119	741774	11.510	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	782256	11.885	ug/l	99
79) sec-Butylbenzene	11.32	105	1007516	11.796	ug/l	100
80) Nitrobenzene	12.86	77	17965	62.909	ug/l #	96
81) p-Isopropyltoluene	11.47	119	849416	11.880	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	446198	11.009	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	448766	11.331	ug/l	98
84) n-Butylbenzene	11.89	91	771949	11.849	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	420764	11.009	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24924	11.097	ug/l	94
87) 1,2,4-Trichlorobenzene	13.50	180	290561	11.872	ug/l	99
88) Hexachlorobutadiene	13.69	225	173186	11.233	ug/l	98
89) Naphthalene	13.74	128	491432	10.355	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	271565	11.811	ug/l	98

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



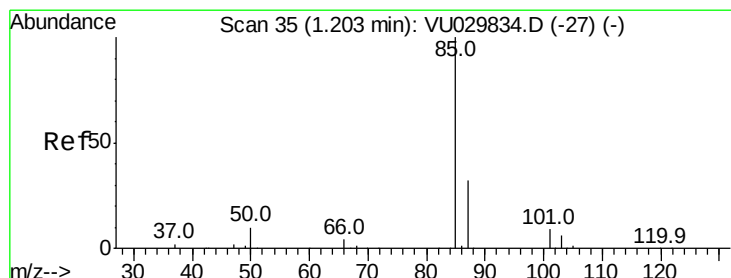
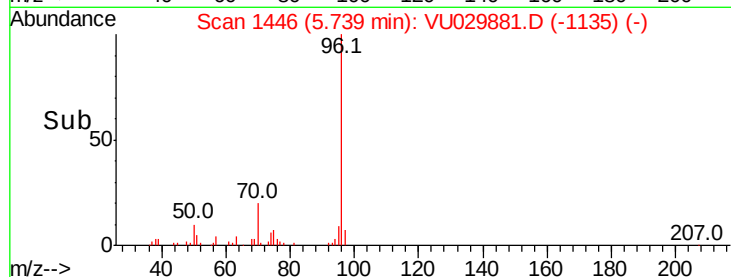
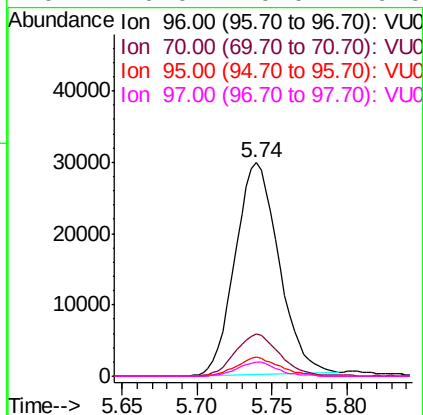
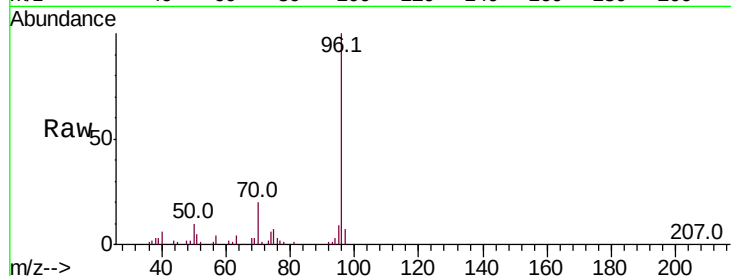
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Fluorobenzene
Concen: 1.000 ug/l
RT: 5.74 min Scan# 1446
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	96	Resp:	60113
Ion	Ratio	Lower	Upper
96	100		
70	19.8	14.4	21.6
95	8.9	7.0	10.6
97	0.0	0.0	0.0

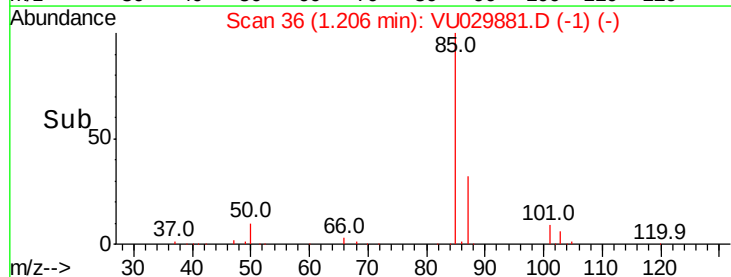
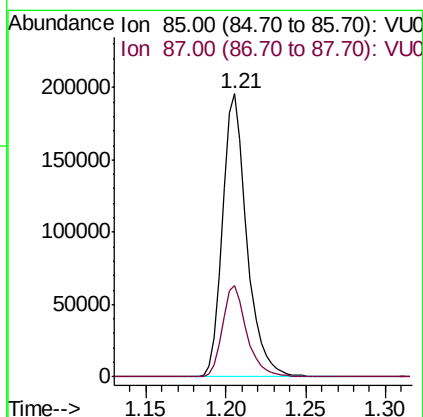
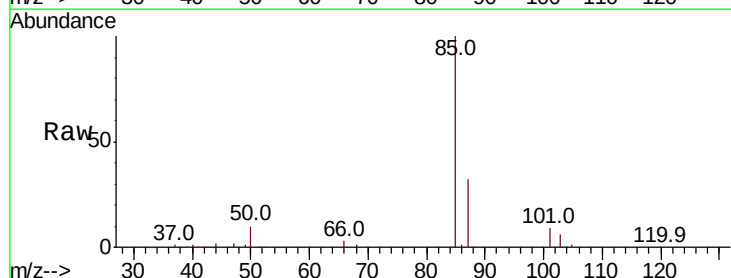
Manual Integrations
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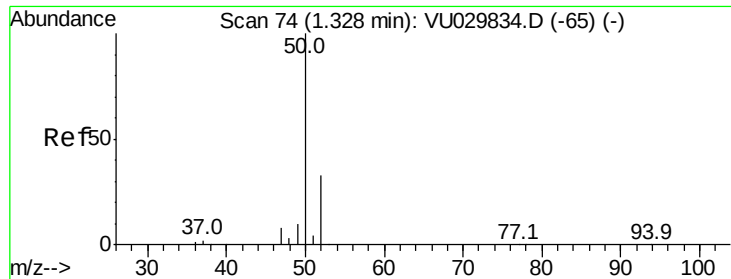
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#2
Dichlorodifluoromethane
Concen: 10.163 ug/l
RT: 1.21 min Scan# 36
Delta R.T. 0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion:	85	Resp:	204429
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.2	48.6





#3

Chloromethane

Concen: 9.737 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 174406

Ion Ratio Lower Upper

50 100

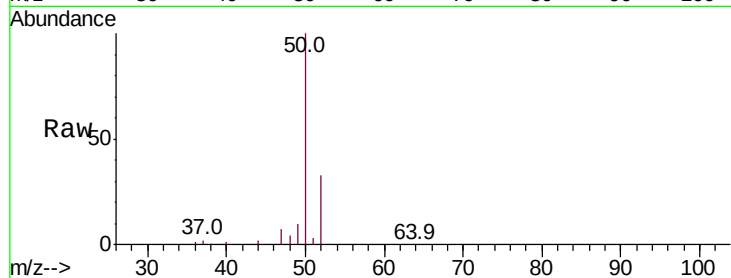
52 33.1 26.5 39.7

Manual Integrations

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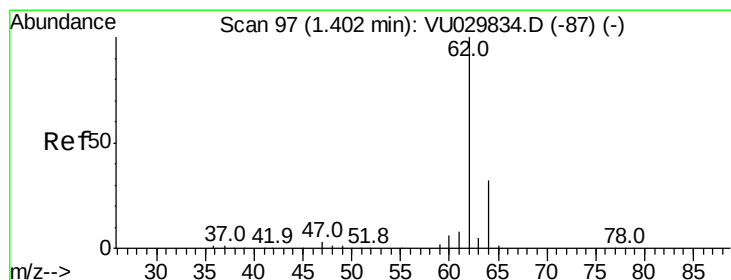
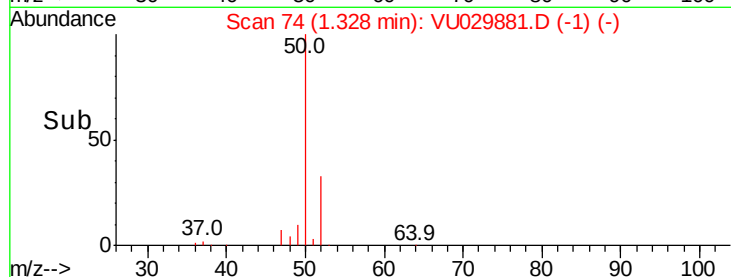
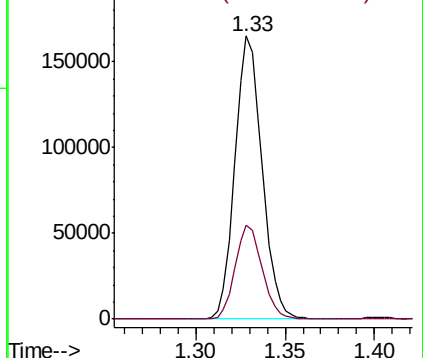
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 10.178 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029881.D

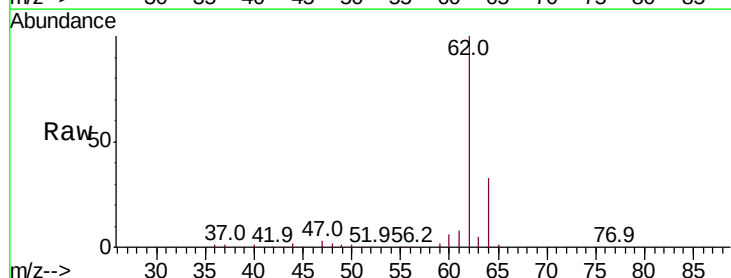
Acq: 08 Mar 2019 11:58

Tgt Ion: 62 Resp: 205073

Ion Ratio Lower Upper

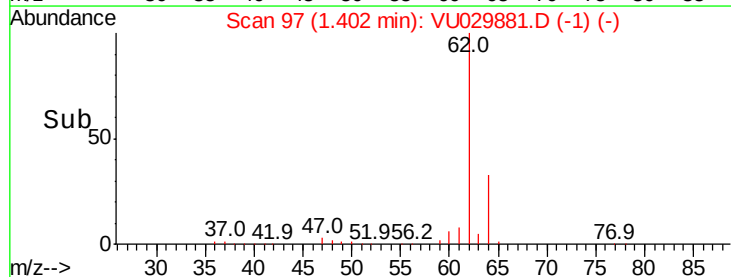
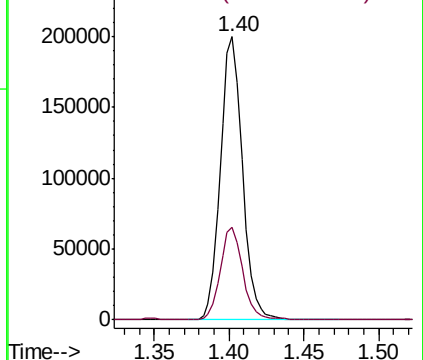
62 100

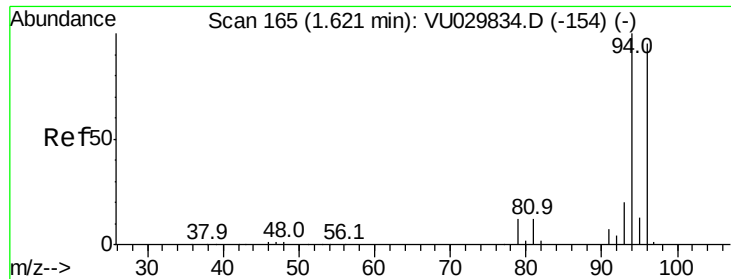
64 32.3 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





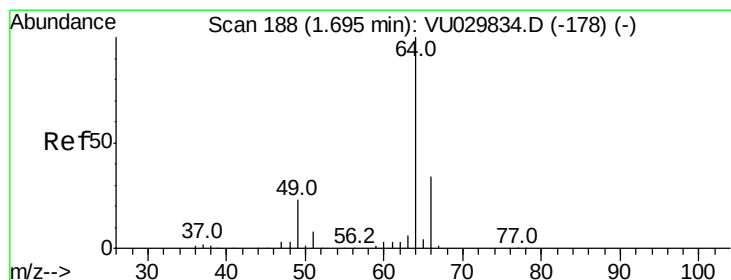
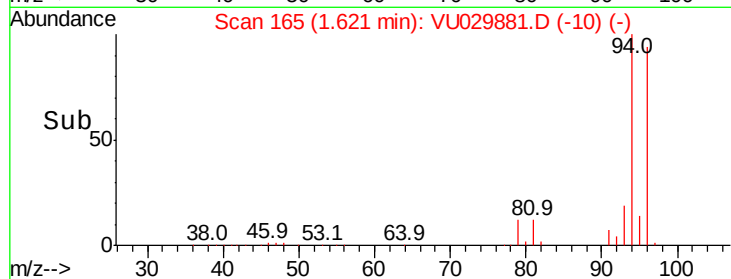
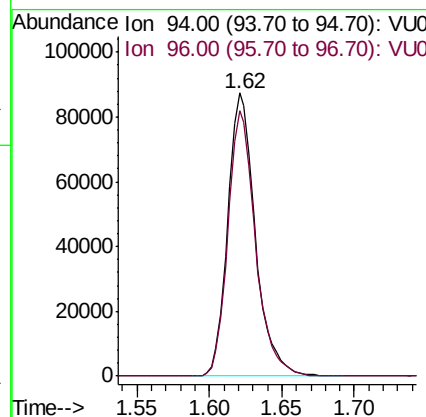
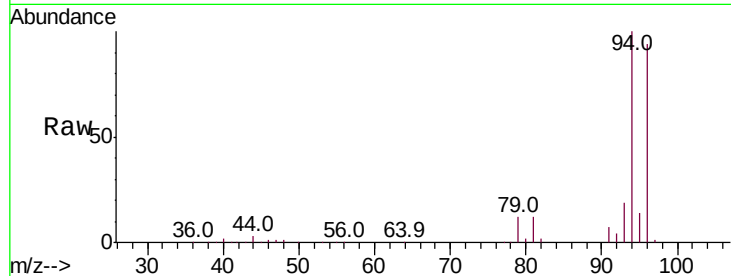
#5
Bromomethane
Concen: 8.339 ug/l
RT: 1.62 min Scan# 165
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC010EC

Tot Ion: 94 Resp: 114744
Ion Ratio Lower Upper
94 100
96 93.6 76.4 114.6

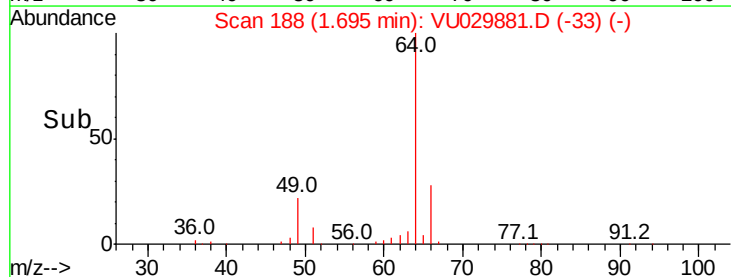
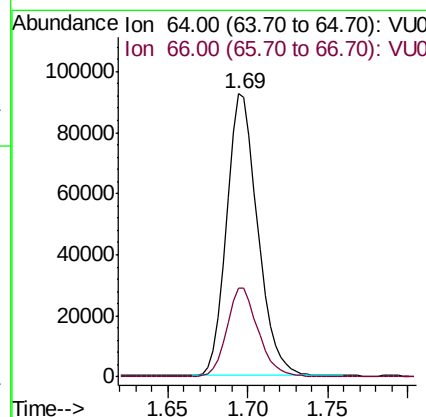
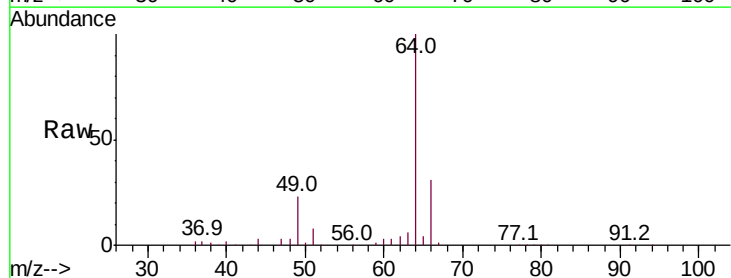
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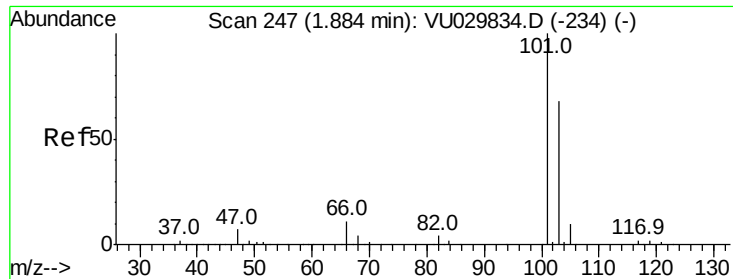
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#6
Chloroethane
Concen: 10.155 ug/l
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion: 64 Resp: 122702
Ion Ratio Lower Upper
64 100
66 31.6 27.3 40.9





#7

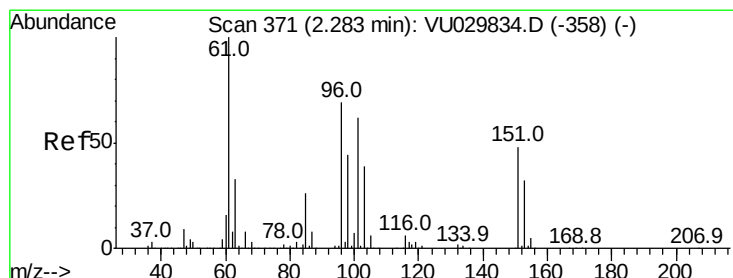
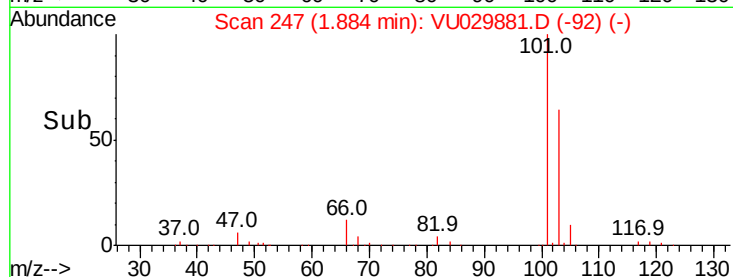
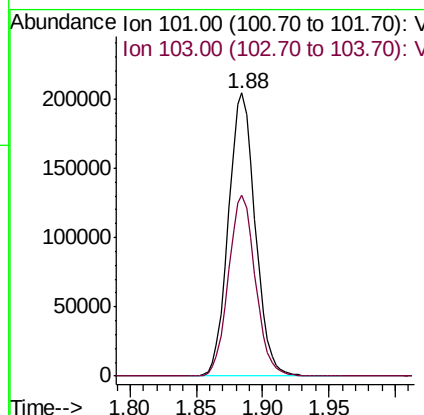
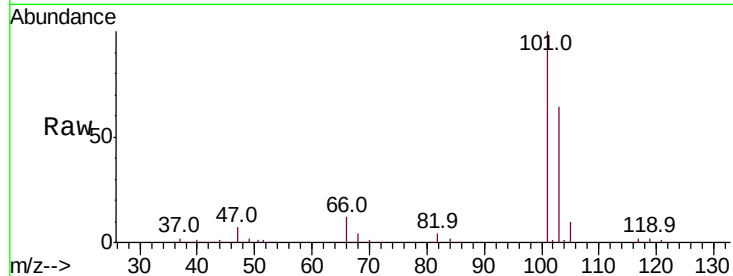
Trichlorofluoromethane
Concen: 10.450 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	54.2	81.2

Manual Integrations
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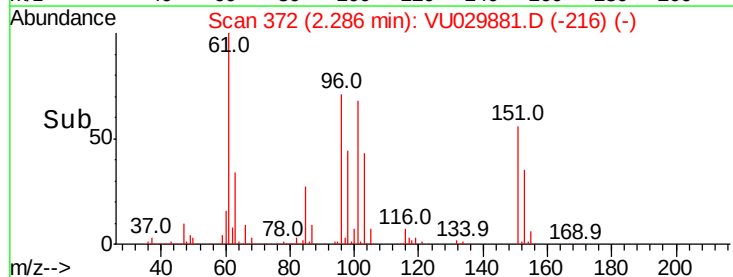
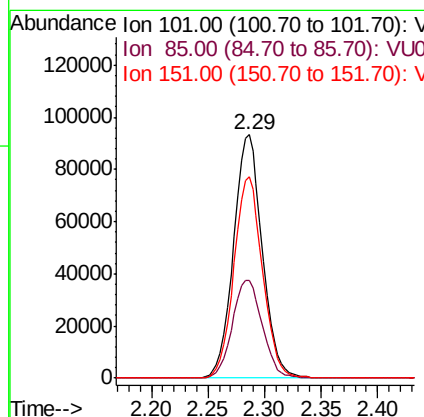
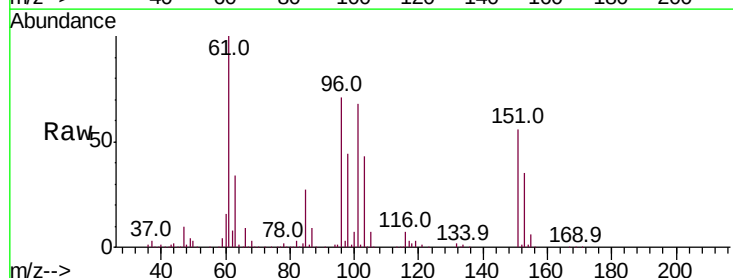
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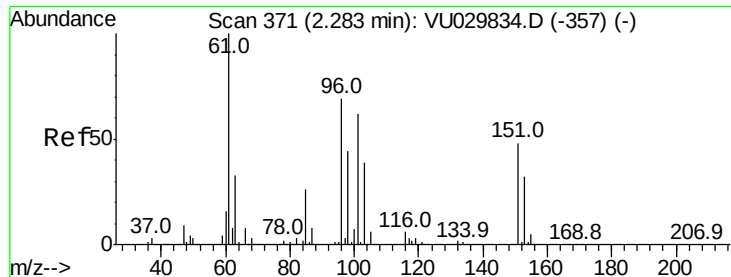


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.327 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.4	50.0
151	82.6	64.6	97.0





#9

1,1-Dichloroethene

Concen: 10.255 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

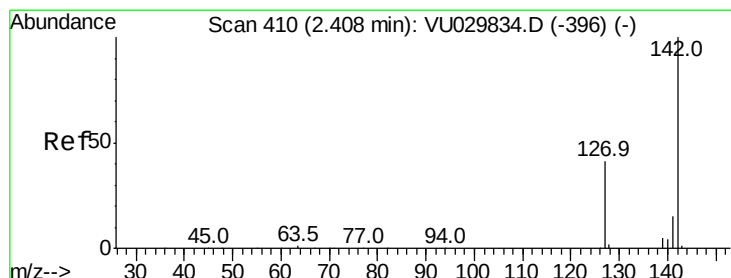
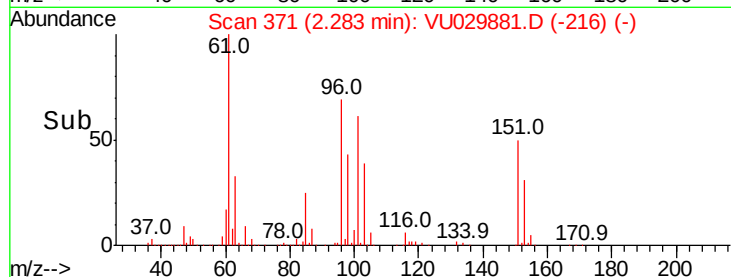
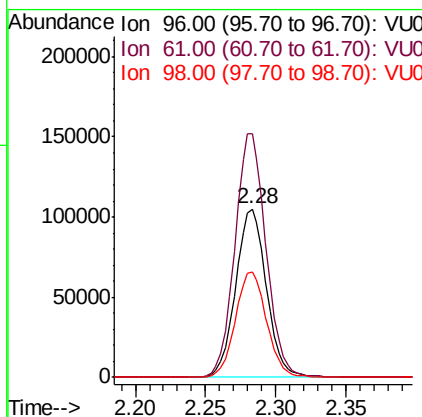
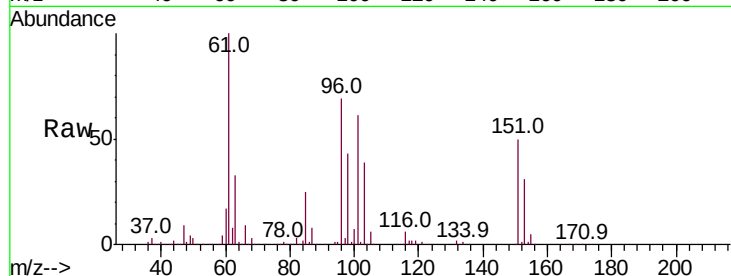
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	160345
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	435.3
98	62.7	0.0	128.6

Manual Integrations
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3/11/2019 6:56:01 PM



#10

Iodomethane

Concen: 10.135 ug/l

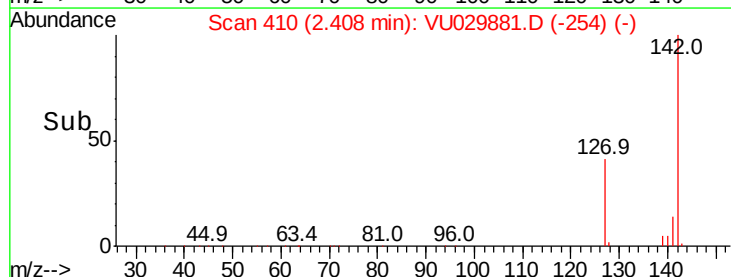
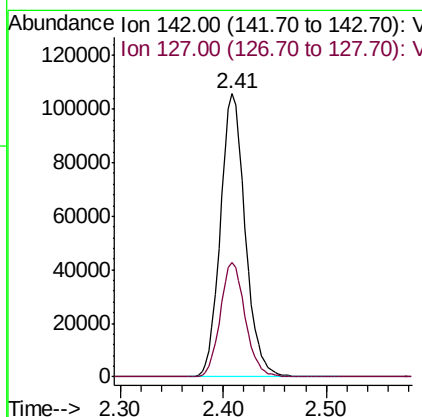
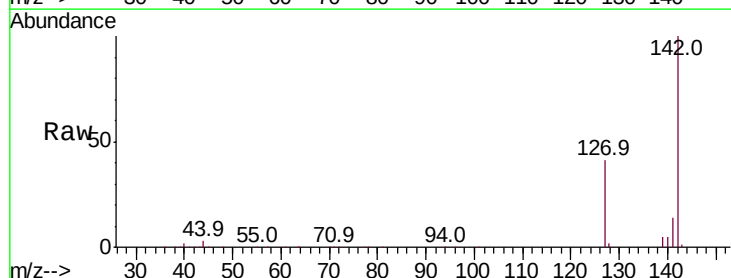
RT: 2.41 min Scan# 410

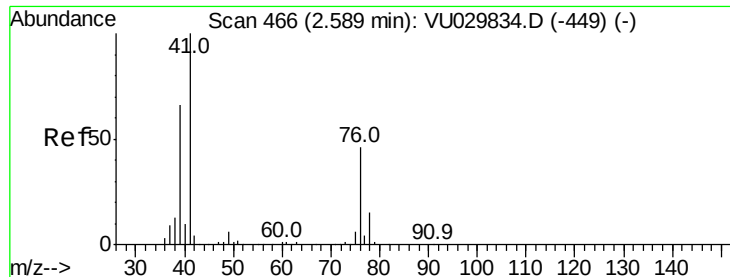
Delta R.T. 0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Tgt Ion:	142	Resp:	177241
Ion	Ratio	Lower	Upper
142	100		
127	40.6	32.3	48.5





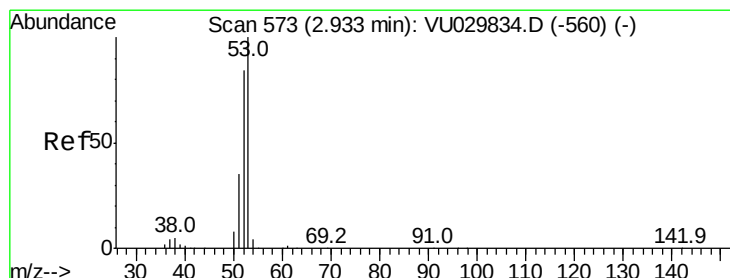
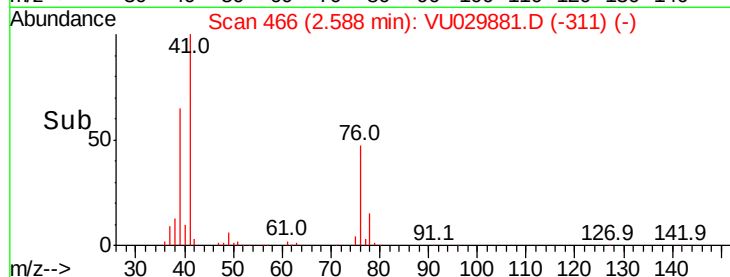
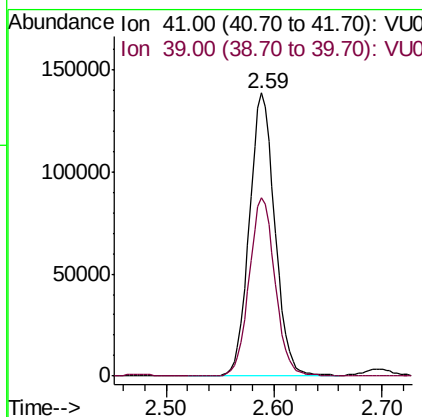
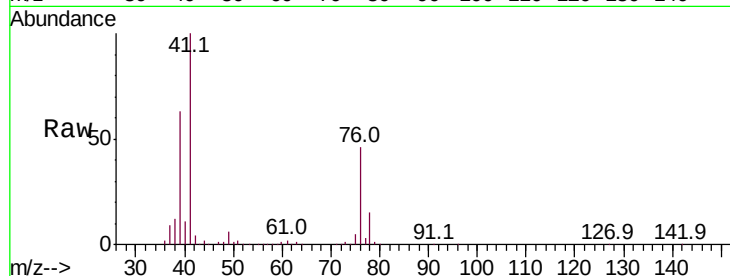
#11
Allvl Chloride
Concen: 10.264 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.6	77.4

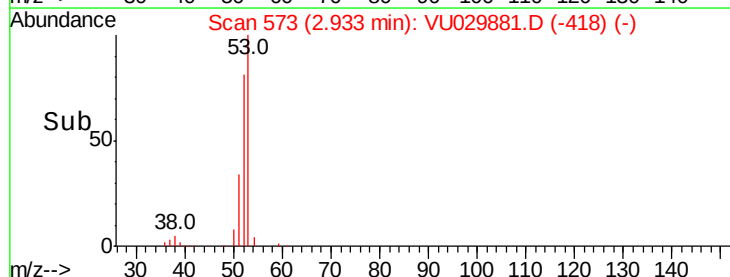
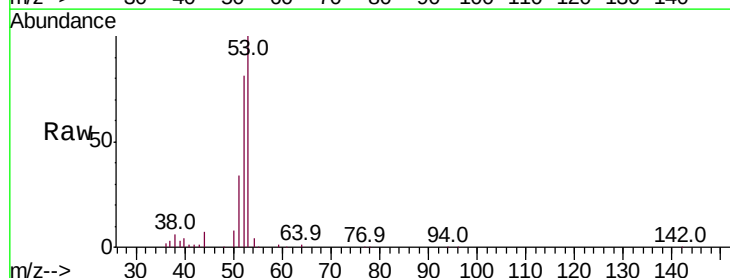
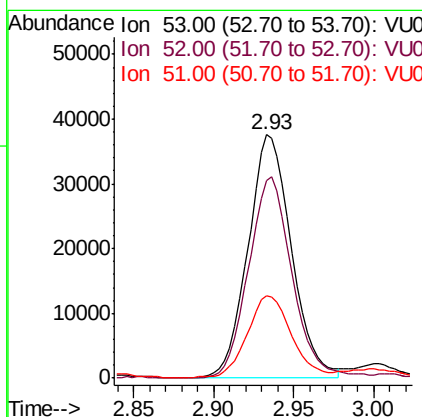
Manual Integrations
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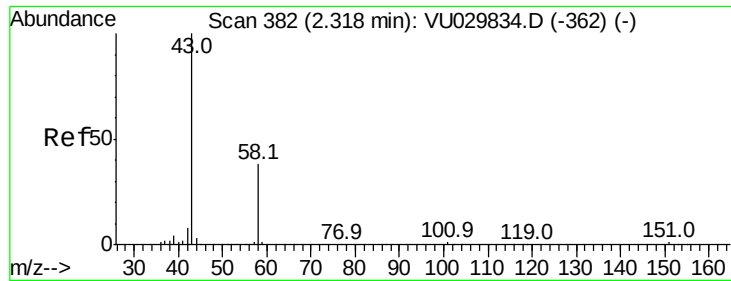
MMDadoda
3/11/2019 6:56:01 PM



#12
Acrylonitrile
Concen: 20.624 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	33.8	28.6	42.8





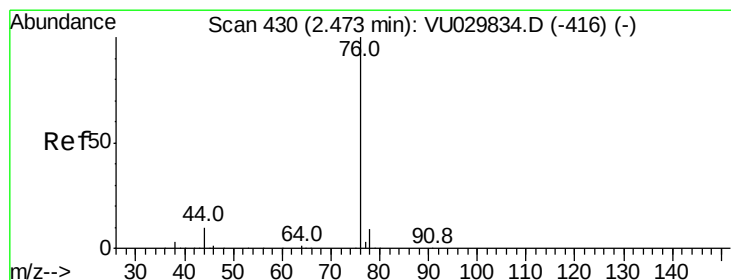
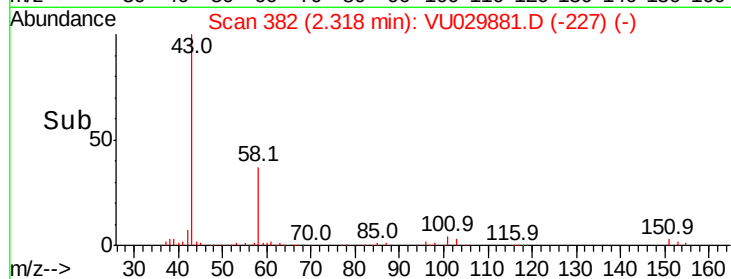
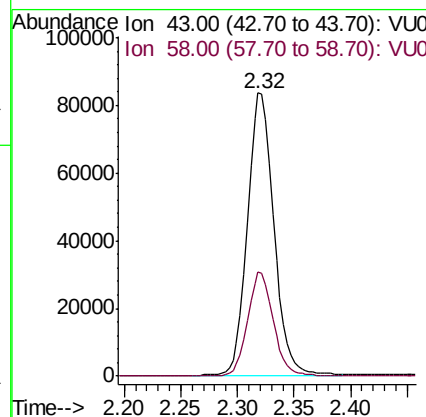
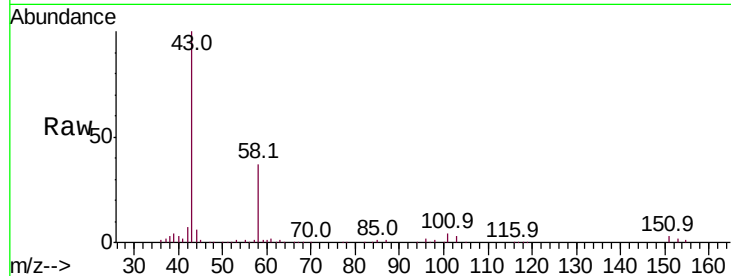
#13
Acetone
Concen: 48.339 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.2	45.2

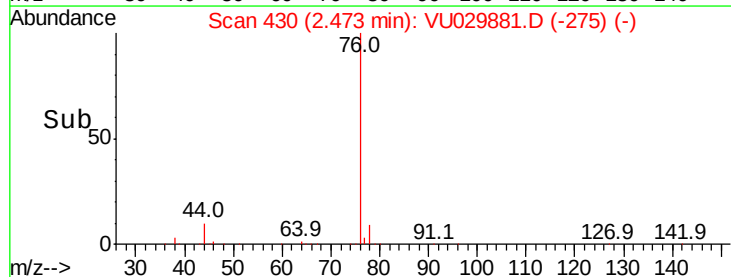
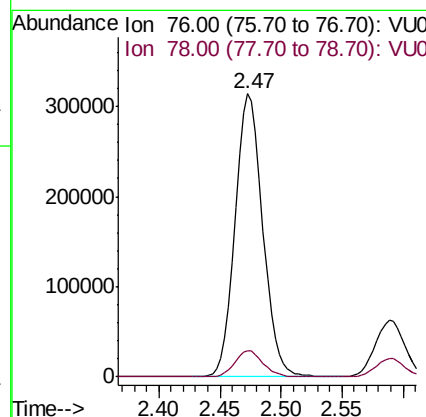
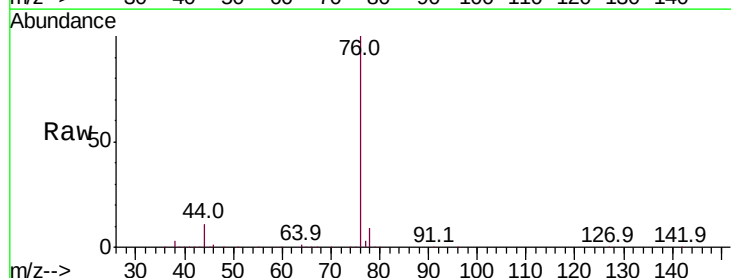
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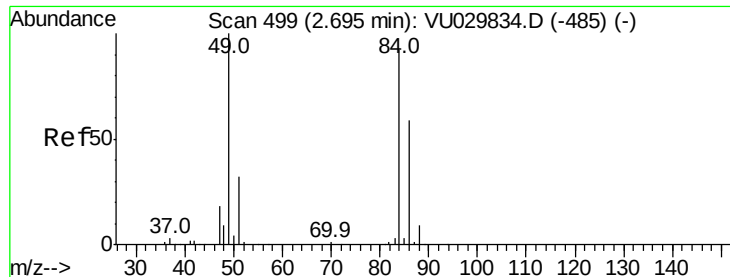
MMDadoda
3/11/2019 6:56:01 PM



#14
Carbon Disulfide
Concen: 9.806 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8





#15

Methylene Chloride

Concen: 9.735 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 84 Resp: 182662

Ion Ratio Lower Upper

84 100

49 110.6 87.2 130.8

51 34.6 0.0 69.0

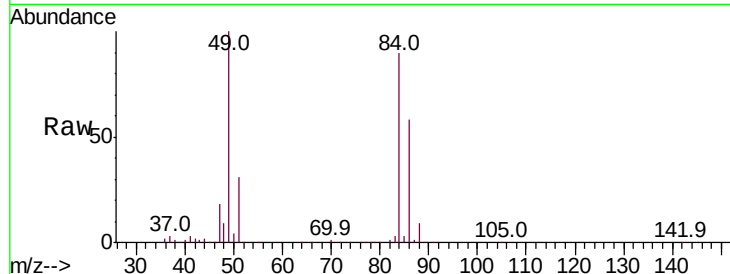
86 64.6 51.3 76.9

Manual Integrations

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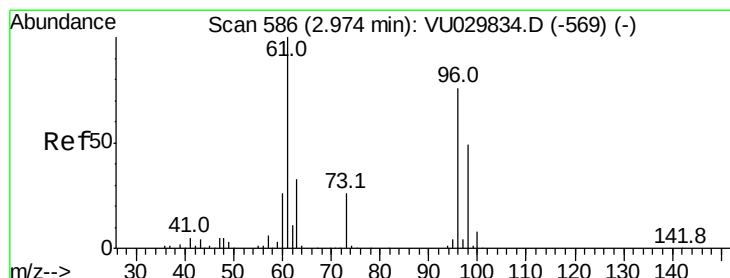
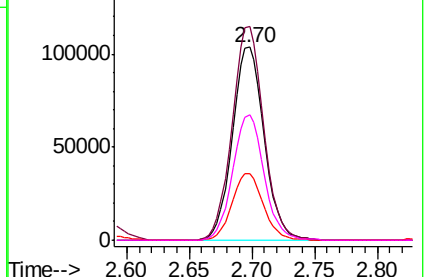
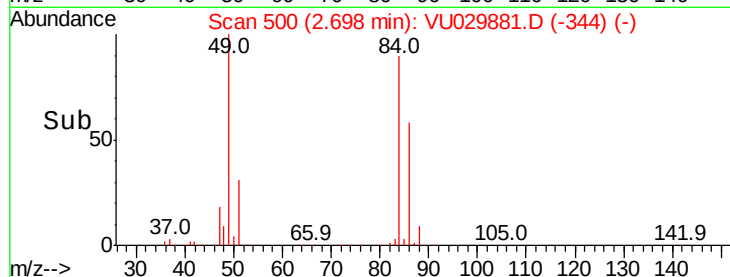


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 10.081 ug/l

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

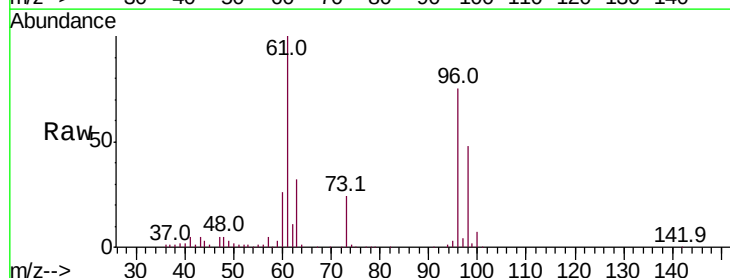
Tgt Ion: 96 Resp: 178055

Ion Ratio Lower Upper

96 100

61 133.3 104.7 157.1

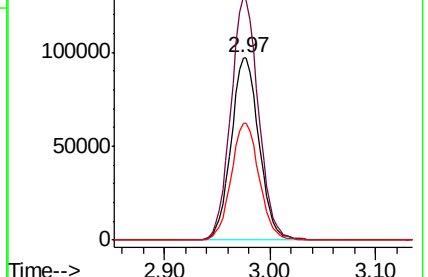
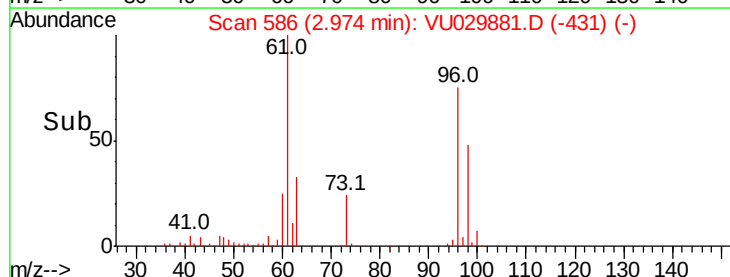
98 64.4 50.9 76.3

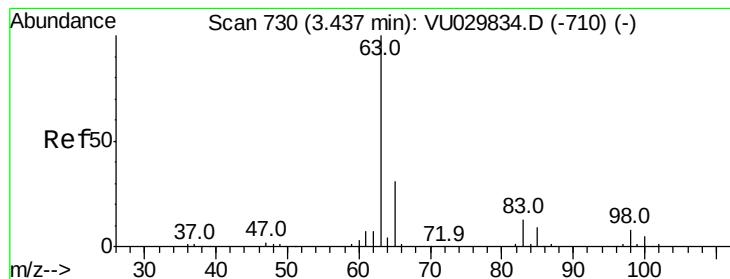


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 10.369 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

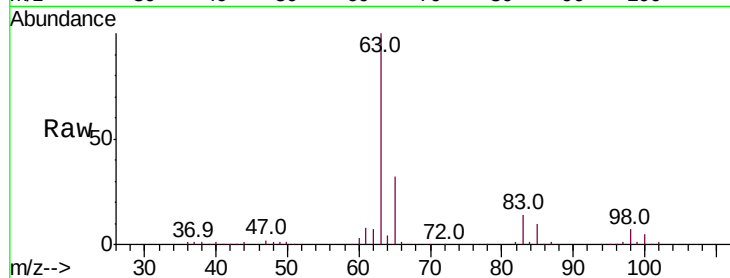
ClientSampleId :

VSTDCCC010EC

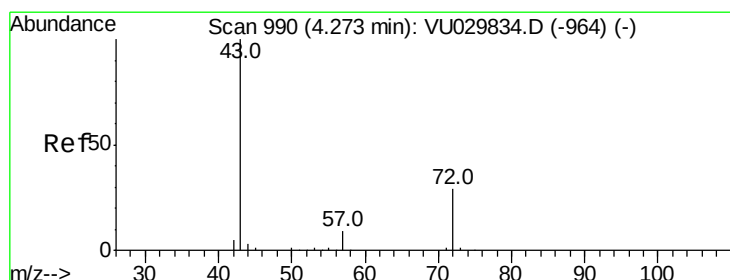
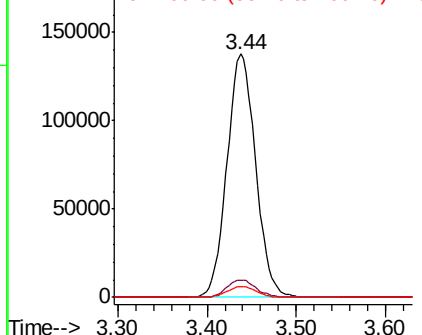
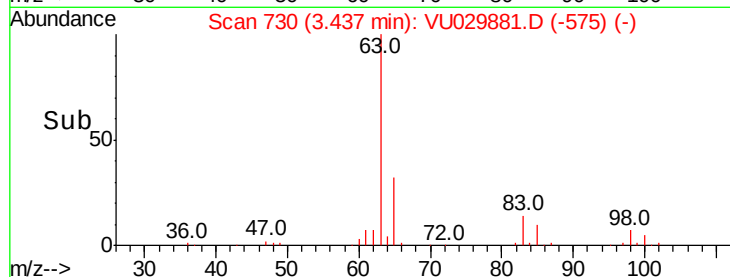
Tot Ion	Ratio	Resp	Lower	Upper
63	100	306445		
98	7.1		3.8	11.4
100	4.6		2.4	7.1

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Abundance Ion 63.00 (62.70 to 63.70): VU029881.D (-575) (-)



#18

2-Butanone

Concen: 55.236 ug/l

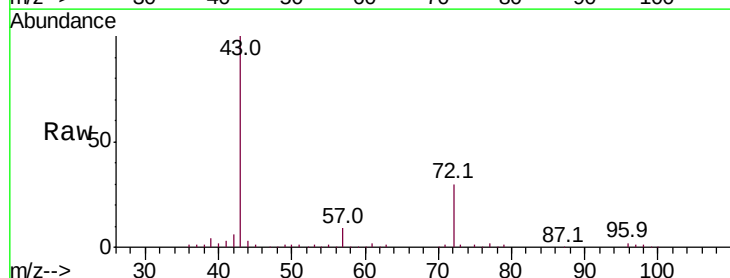
RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

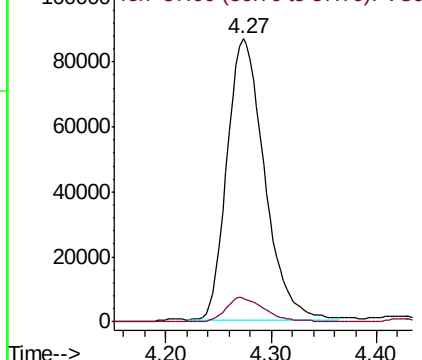
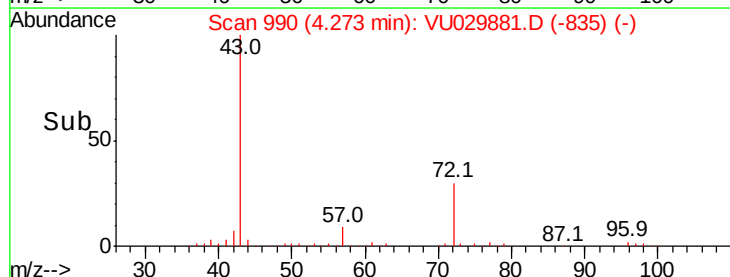
Lab File: VU029881.D

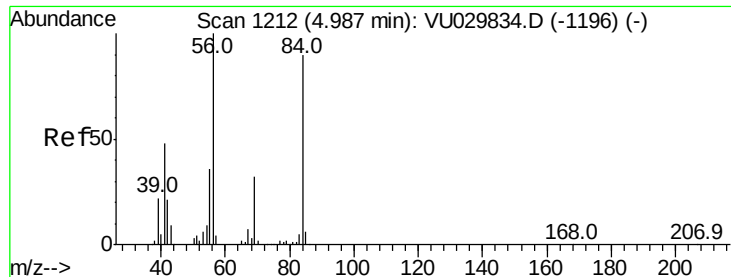
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	211965		
57	8.4		0.0	18.6



Abundance Ion 43.00 (42.70 to 43.70): VU029881.D (-835) (-)





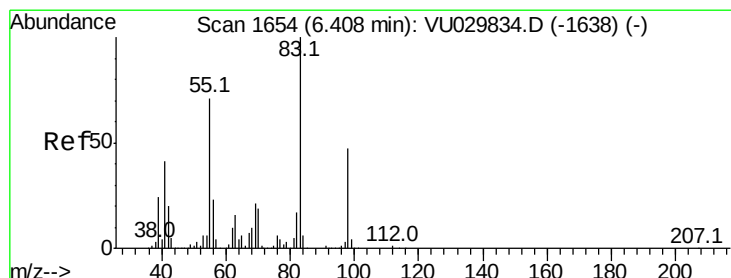
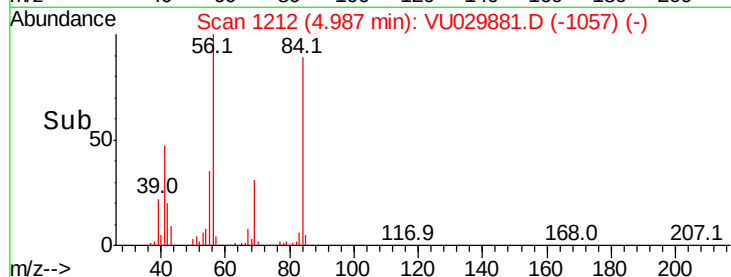
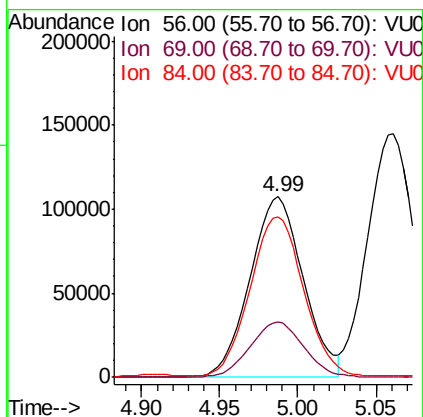
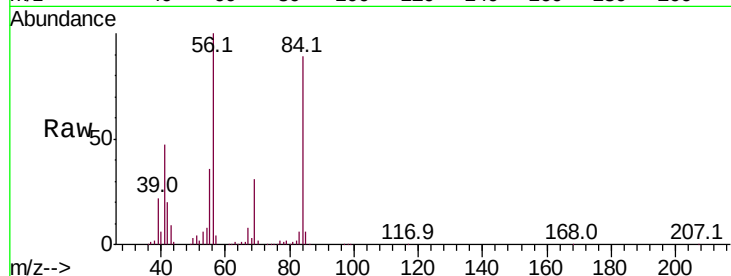
#19
Cyclohexane
Concen: 11.112 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	29.4	44.2
84	88.4	84.6	127.0

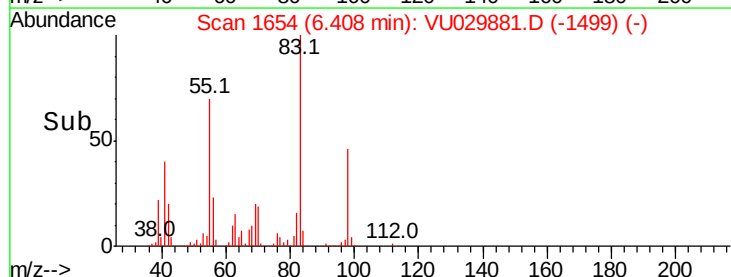
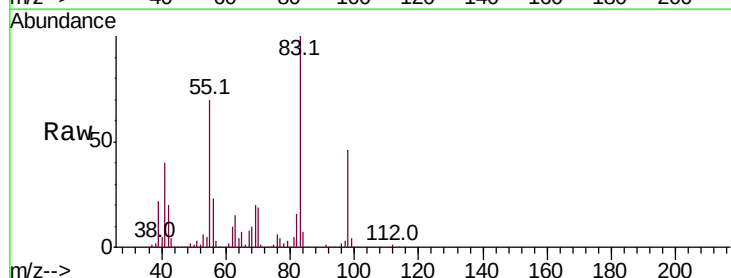
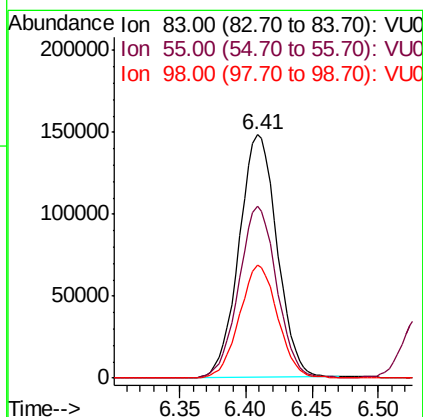
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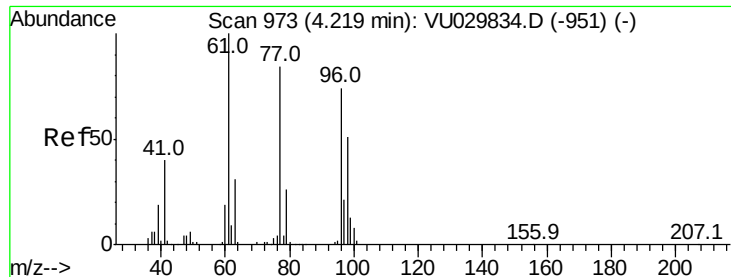
MMDadoda
3/11/2019 6:56:01 PM



#20
Methylcyclohexane
Concen: 11.047 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.4	55.9	83.9
98	46.5	37.0	55.4





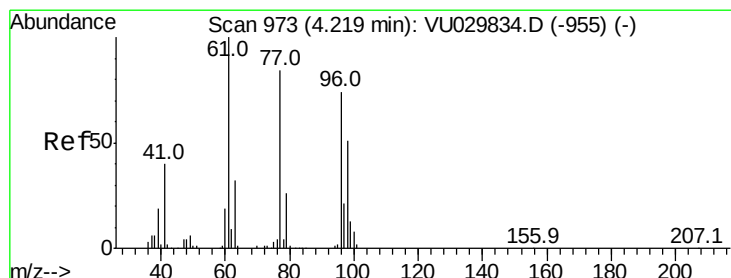
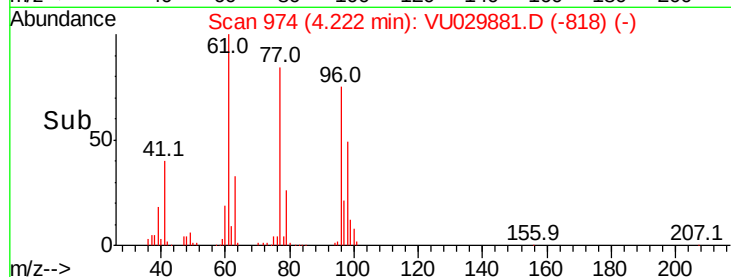
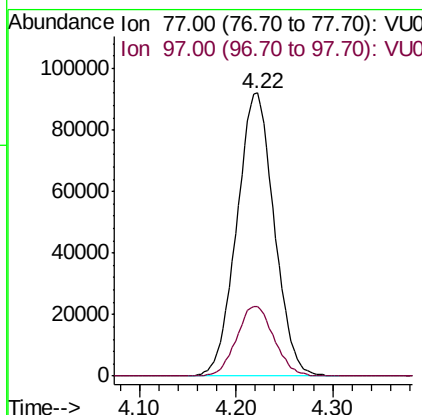
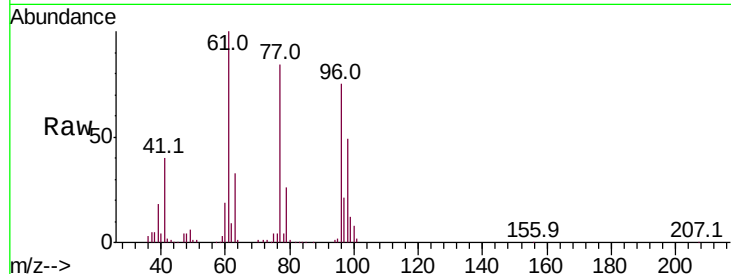
#21
2,2-Dichloropropane
Concen: 10.222 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 77 Resp: 246918
Ion Ratio Lower Upper
77 100
97 24.7 20.2 30.2

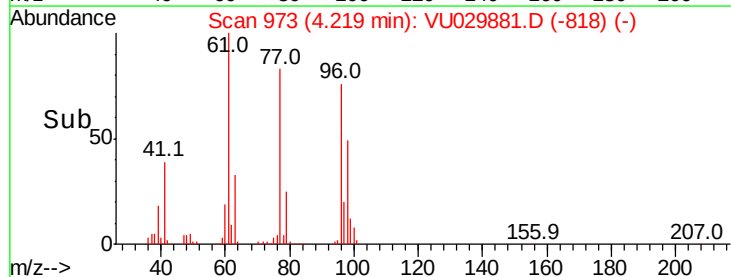
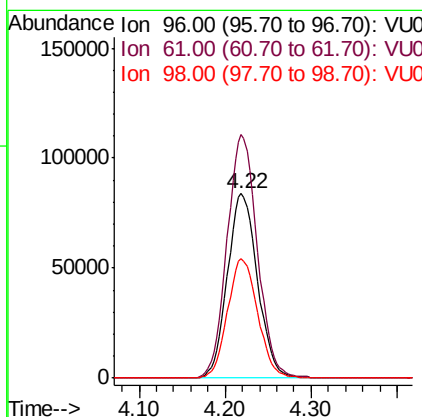
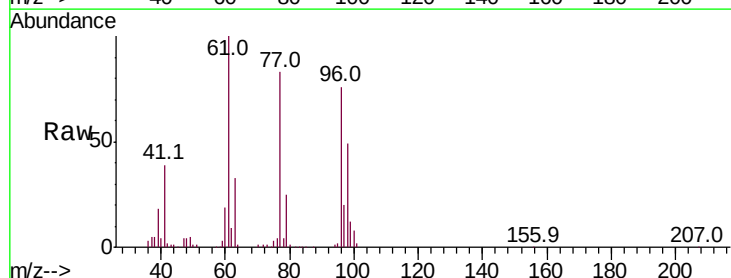
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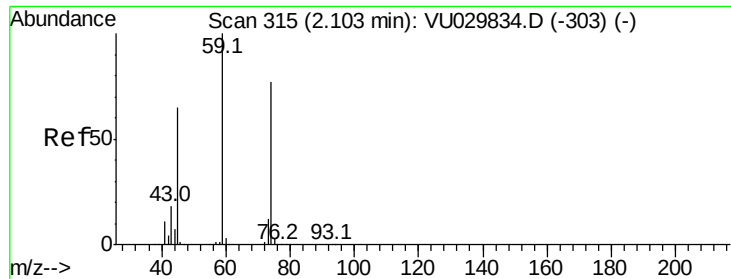
MMDadoda
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#22
cis-1,2-Dichloroethene
Concen: 10.906 ug/l
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion: 96 Resp: 204156
Ion Ratio Lower Upper
96 100
61 133.0 0.0 339.0
98 64.6 33.1 99.5





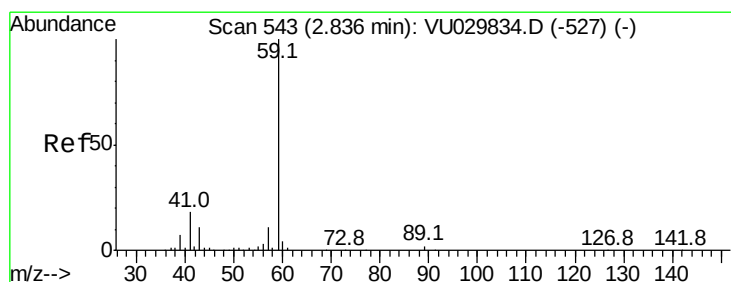
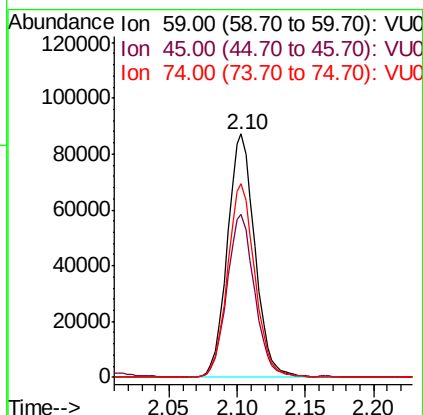
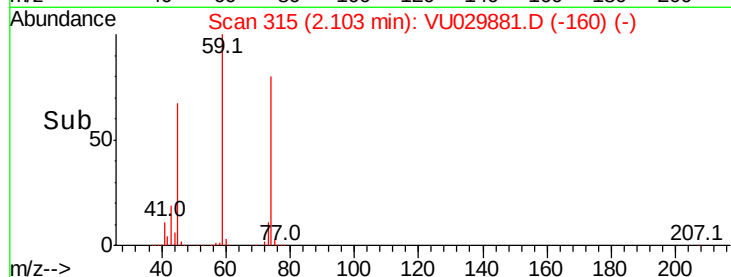
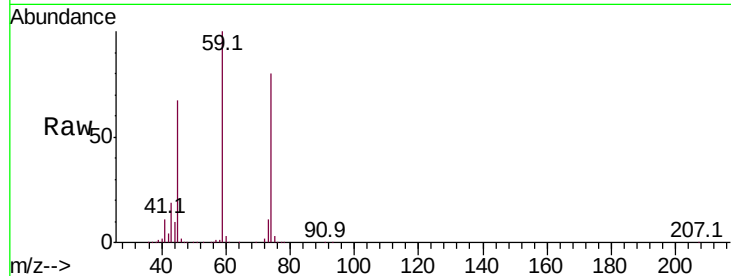
#23
Diethyl Ether
Concen: 10.420 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	66.6	52.7	79.1
74	79.3	61.8	92.6

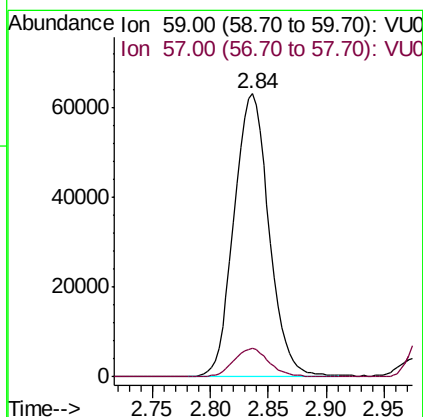
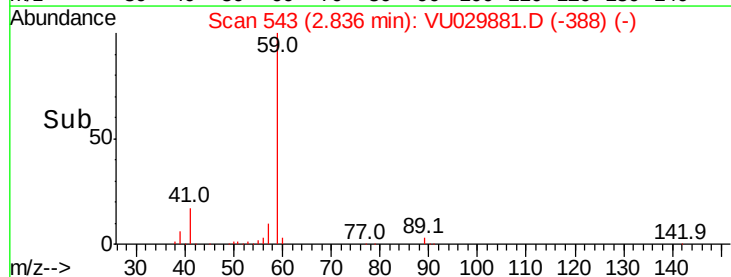
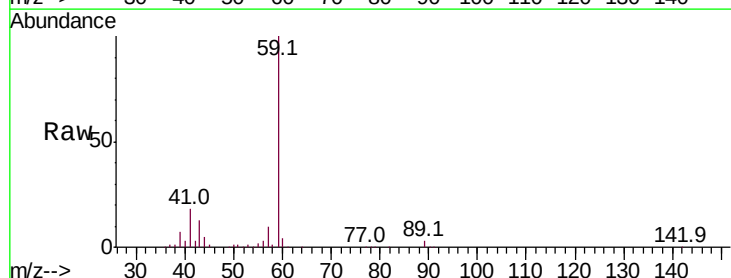
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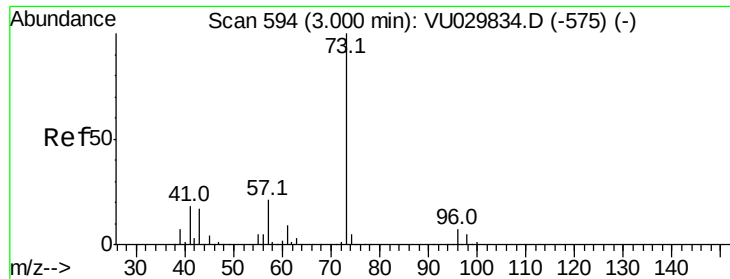
MMDadoda
3/11/2019 6:56:01 PM



#24
tert-Butyl Alcohol
Concen: 109.606 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7





#25

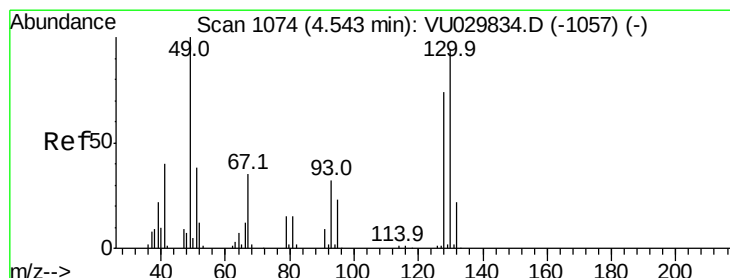
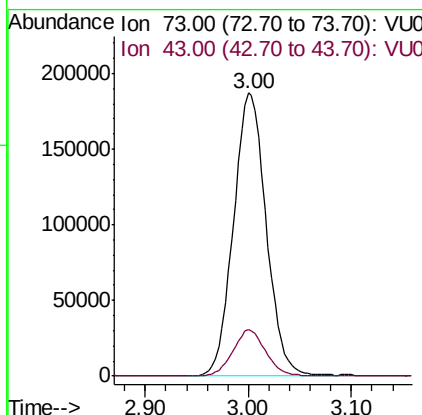
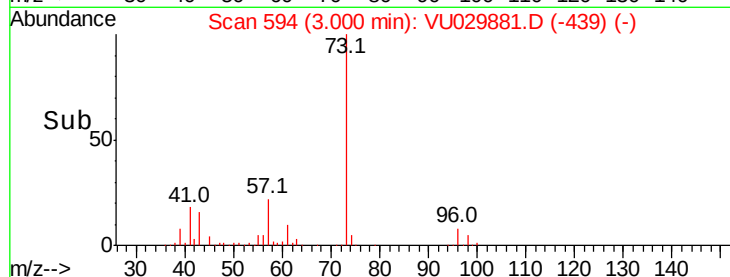
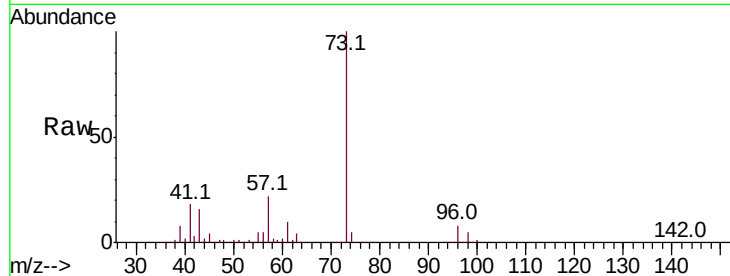
Methyl tert-Butyl Ether
 Concen: 10.511 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	16.2	13.1	19.7

Manual Integrations
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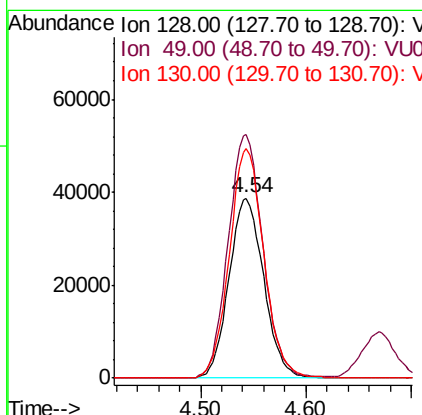
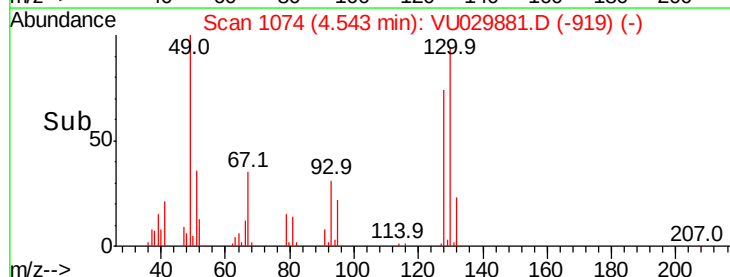
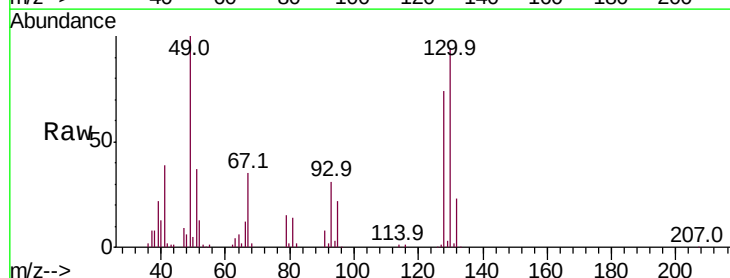
MMDadoda
 3/11/2019 6:56:01 PM

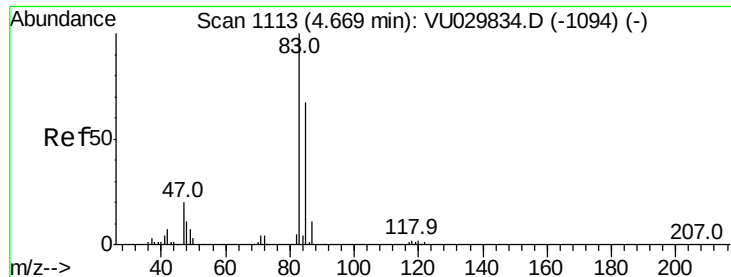


#26

Bromochloromethane
 Concen: 10.611 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
128	100		
49	135.9	0.0	270.6
130	127.0	104.2	156.4





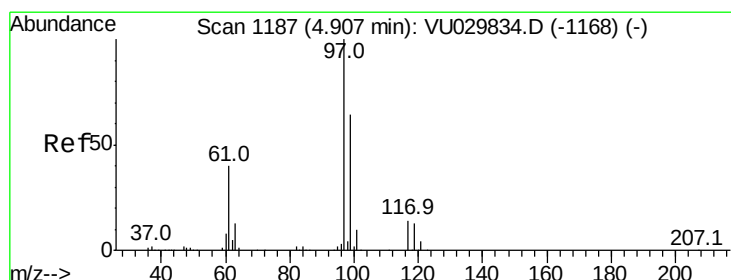
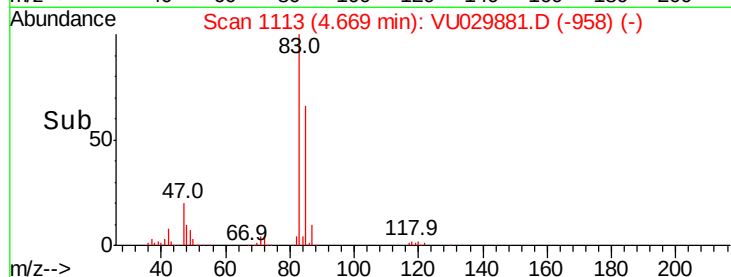
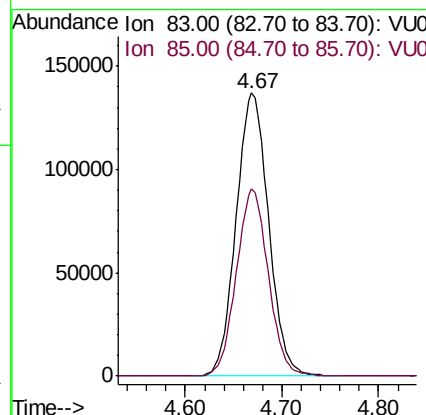
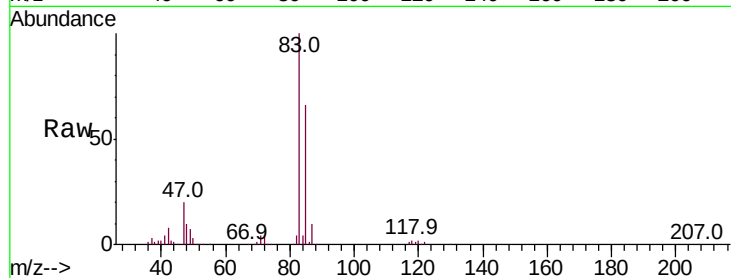
#27
Chloroform
Concen: 10.685 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	319771
Ion Ratio	100	Lower	Upper
85	66.0	0.0	133.2

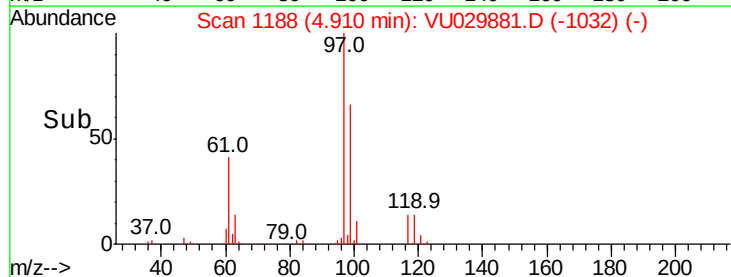
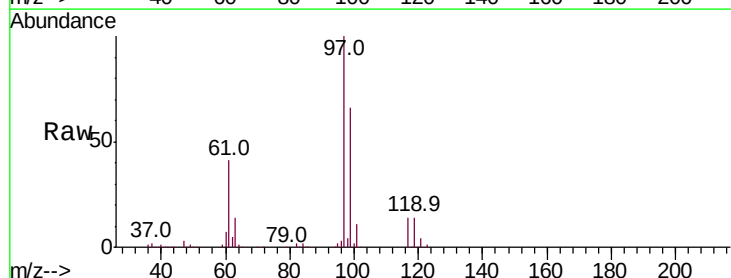
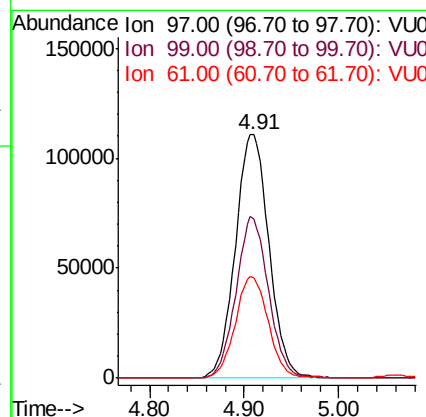
Manual Integrations
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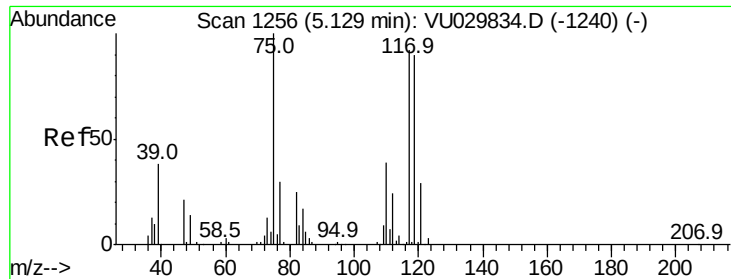
MMDadoda
3/11/2019 6:56:01 PM



#28
1,1,1-Trichloroethane
Concen: 10.773 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	97	Resp	273353
Ion Ratio	100	Lower	Upper
99	63.9	31.9	95.9
61	40.9	20.4	61.3





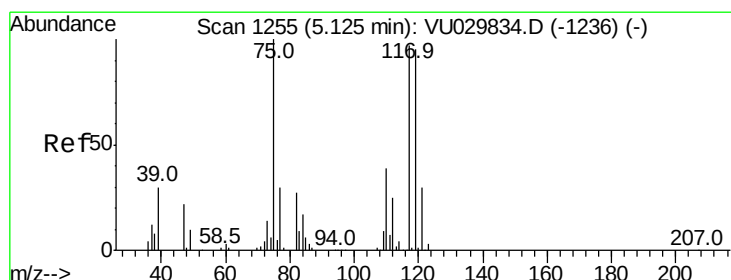
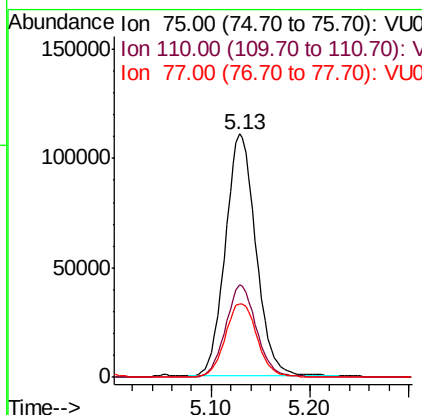
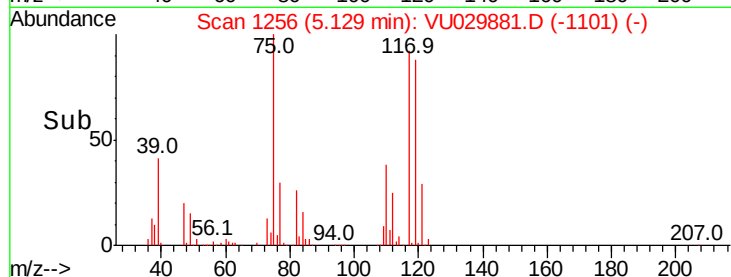
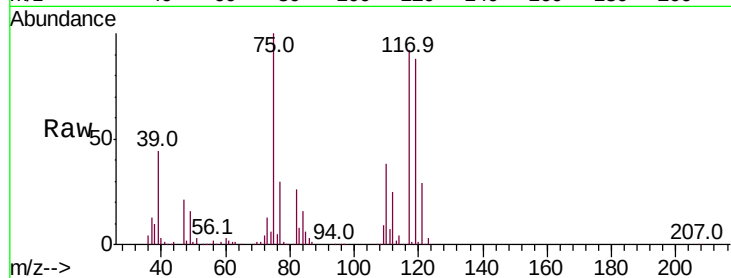
#29
 1,1-Dichloropropene
 Concen: 10.592 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.6	19.1	57.5	
77	31.4	23.9	35.9	

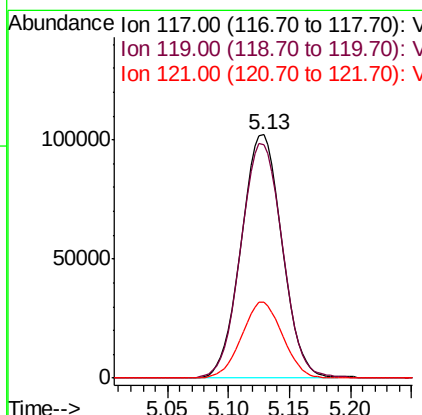
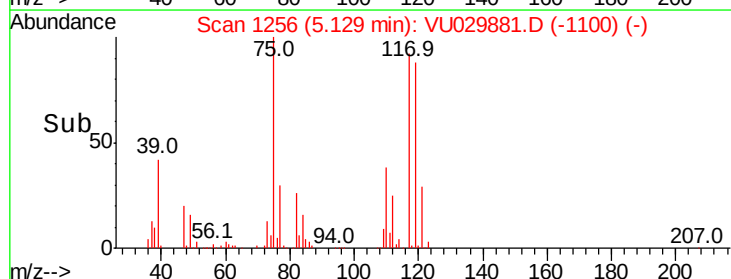
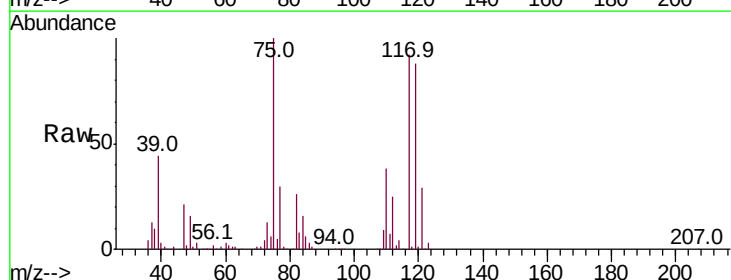
Manual Integrations
 APPROVED

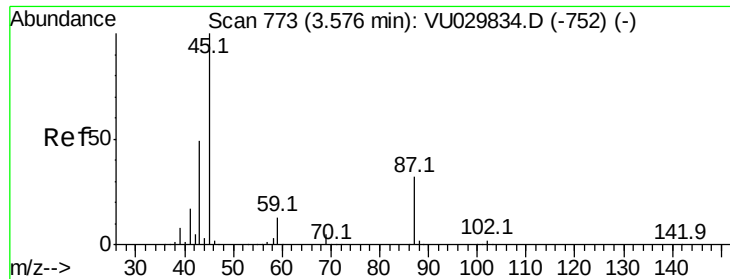
MMDadoda
 3/11/2019 6:56:01 PM



#30
 Carbon Tetrachloride
 Concen: 10.733 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	78.4	117.6	
121	31.1	25.0	37.4	





#31

Isopropyl Ether

Concen: 10.825 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 441243

Ion Ratio Lower Upper

45 100

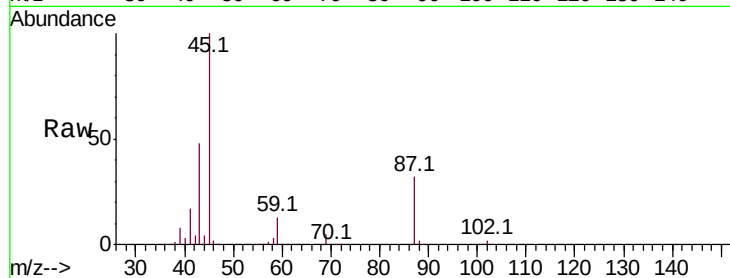
43 49.1 24.3 72.9

Manual Integrations

APPROVED

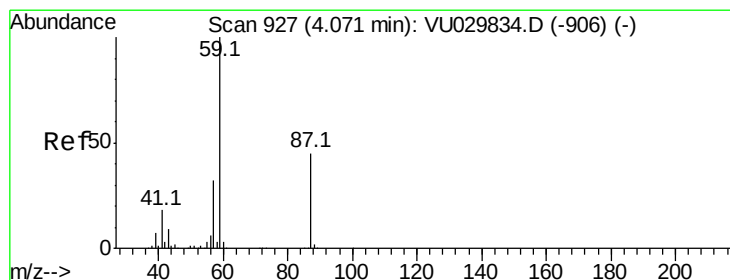
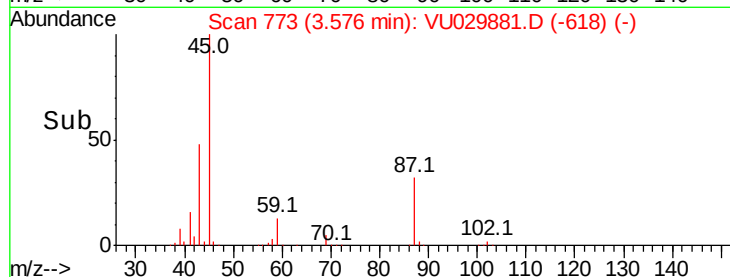
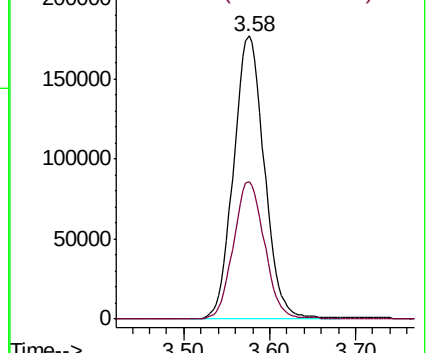
MMDadoda

3/11/2019 6:56:01 PM



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: 10.959 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029881.D

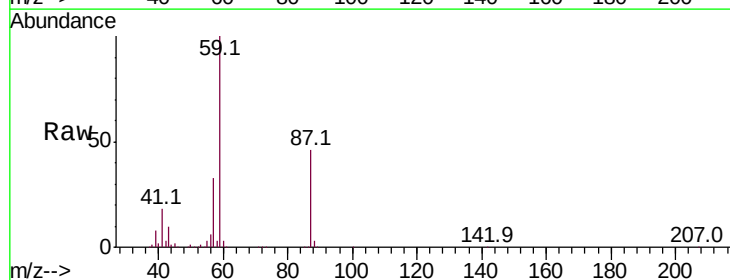
Acq: 08 Mar 2019 11:58

Tgt Ion: 59 Resp: 434207

Ion Ratio Lower Upper

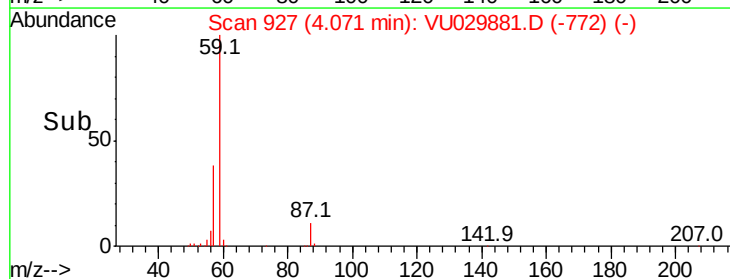
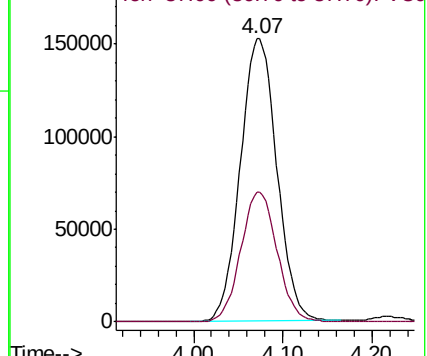
59 100

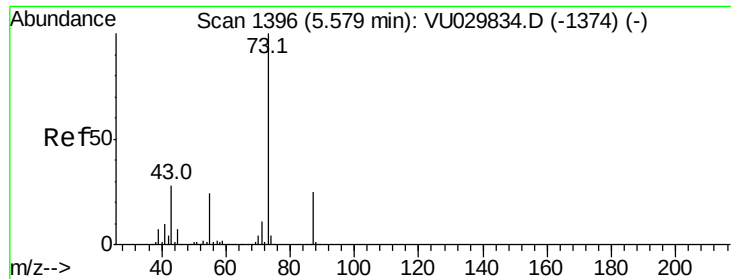
87 45.4 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





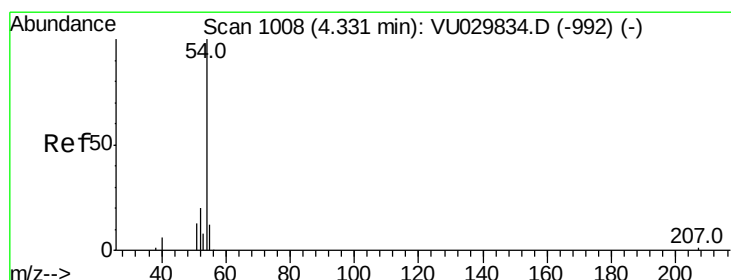
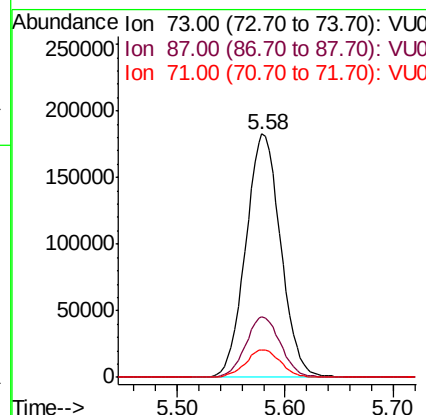
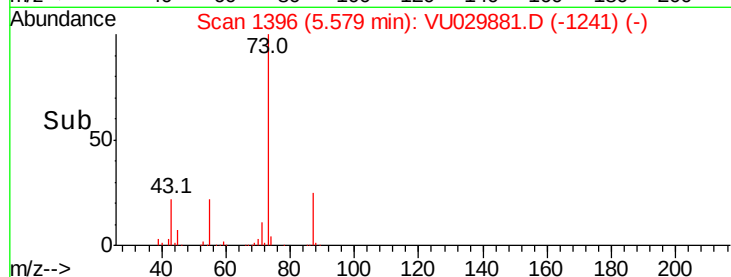
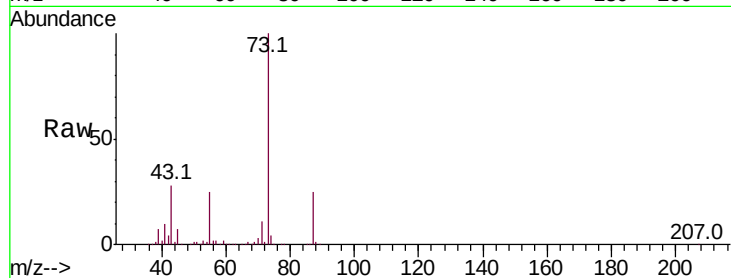
#33
Tert-Butyl methyl ether
Concen: 11.143 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.7	29.5
71	11.4	9.4	14.2

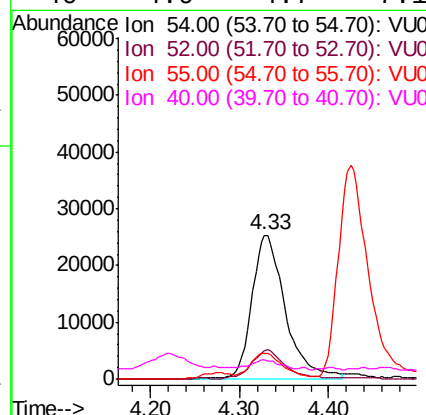
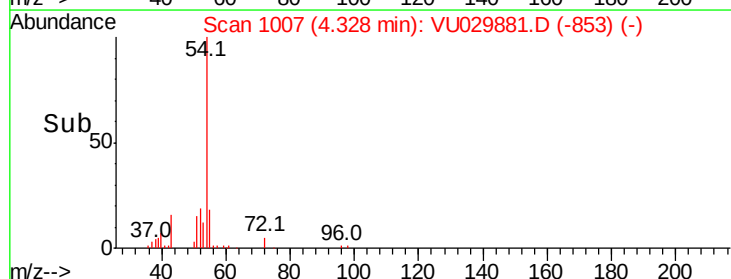
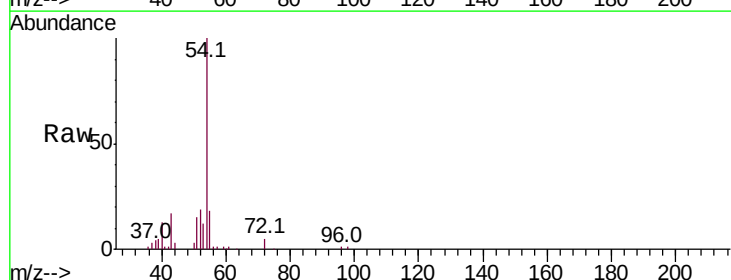
Manual Integrations
APPROVED

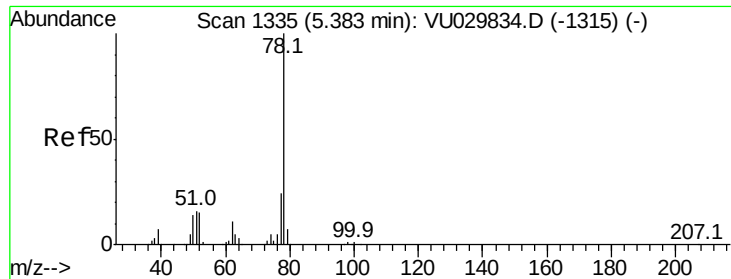
MMDadoda
3/11/2019 6:56:01 PM



#34
Propionitrile
Concen: 58.102 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	16.1	24.1
55	15.2	11.2	16.8
40	4.9	4.7	7.1





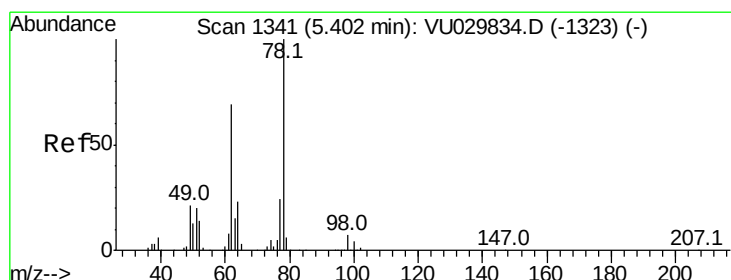
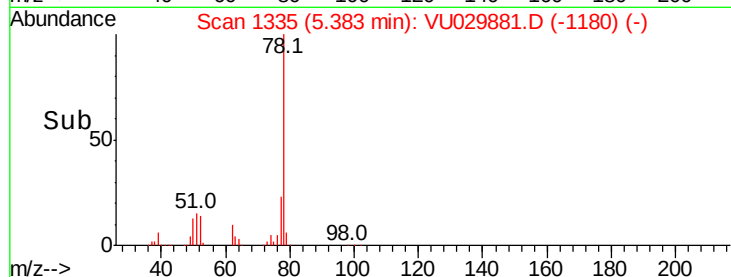
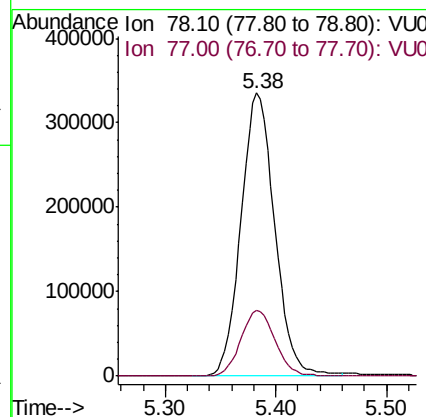
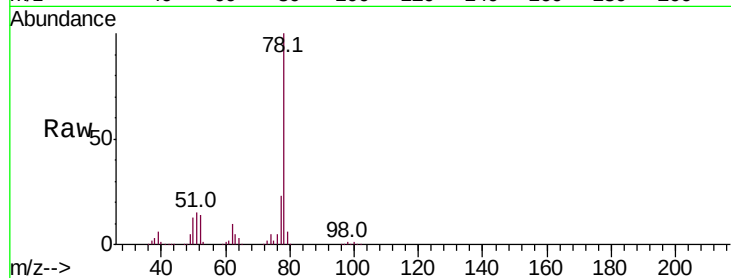
#35
Benzene
Concen: 10.694 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8

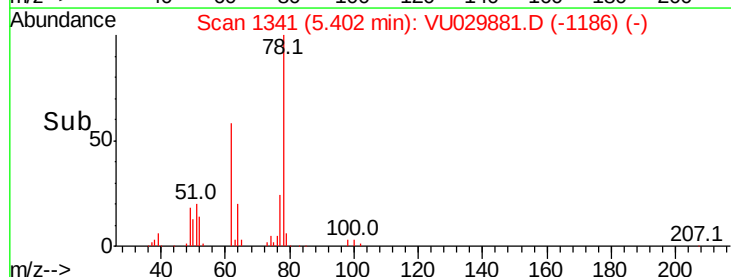
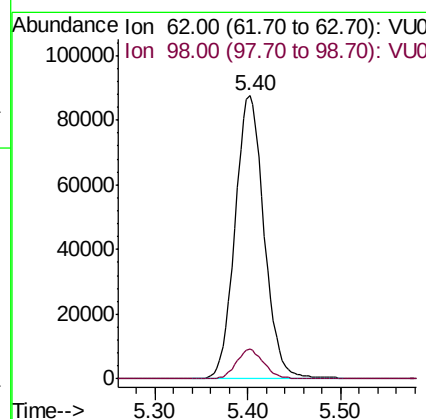
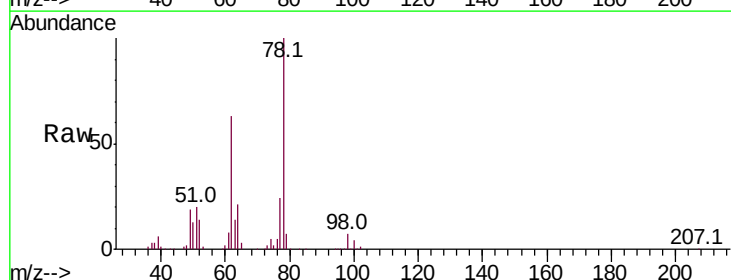
Manual Integrations
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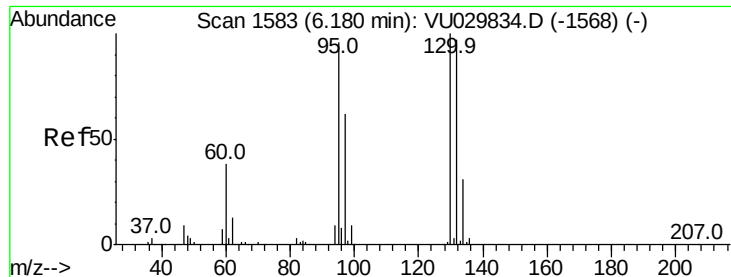
MMDadoda
3/11/2019 6:56:01 PM



#36
1,2-Dichloroethane
Concen: 10.484 ug/l
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.2	12.2





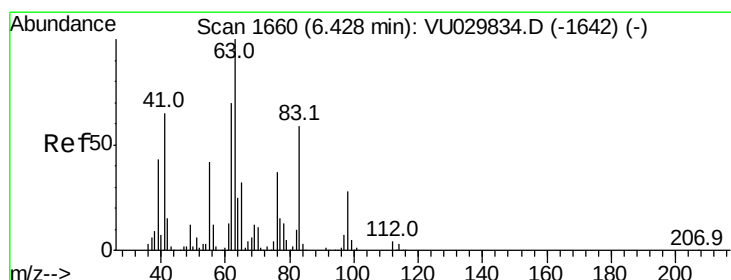
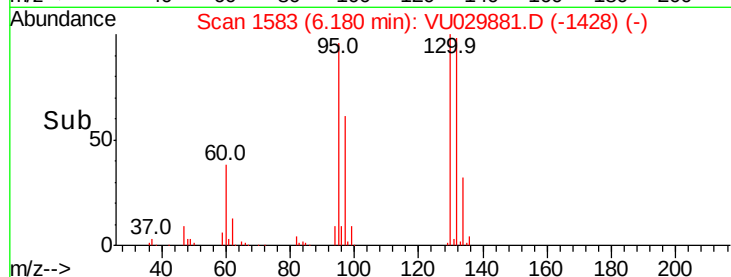
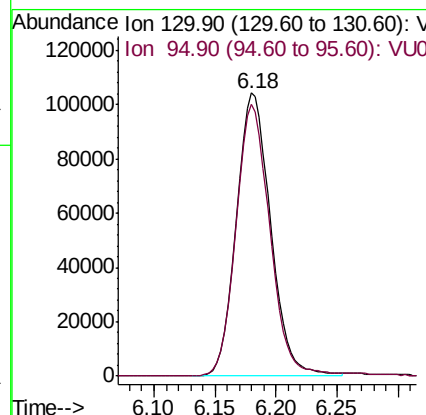
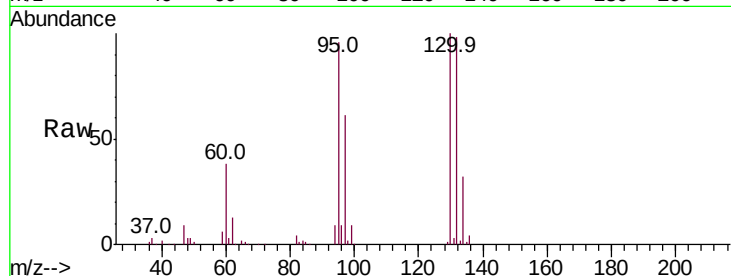
#37
 Trichloroethene
 Concen: 10.493 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
130	100	203497		
95	95.9	76.6	114.8	

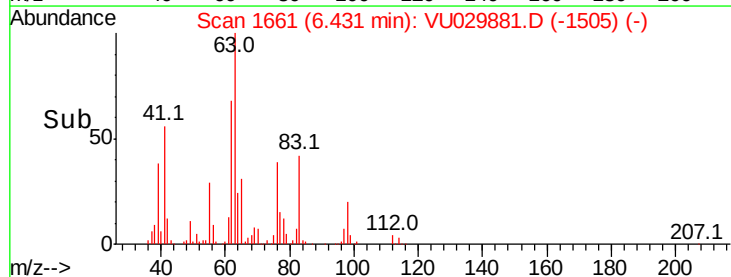
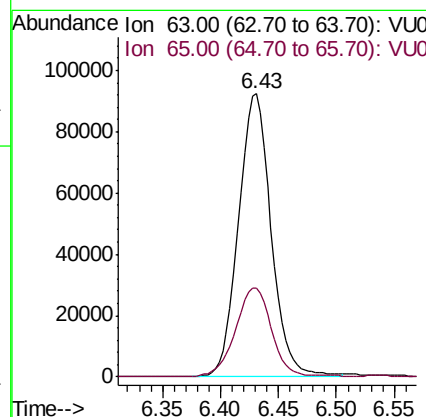
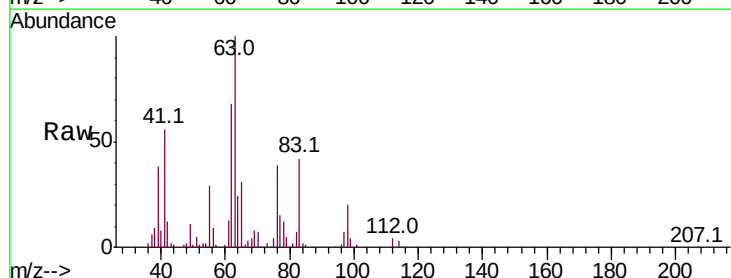
Manual Integrations
 APPROVED

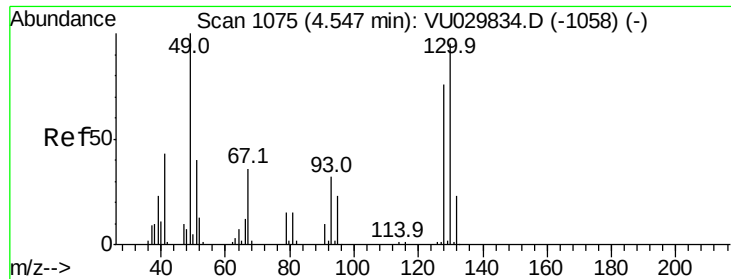
MMDadoda
 3/11/2019 6:56:01 PM



#38
 1,2-Dichloropropane
 Concen: 10.748 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	180718		
65	31.3	25.4	38.2	





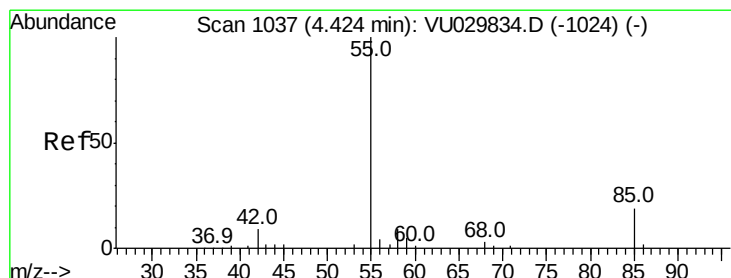
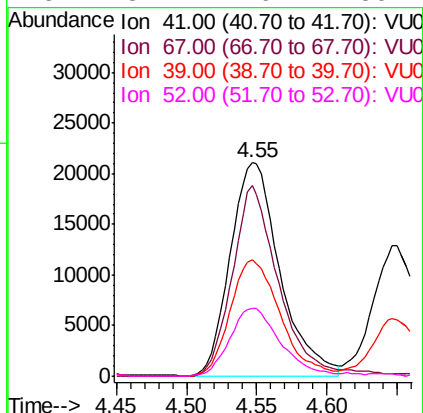
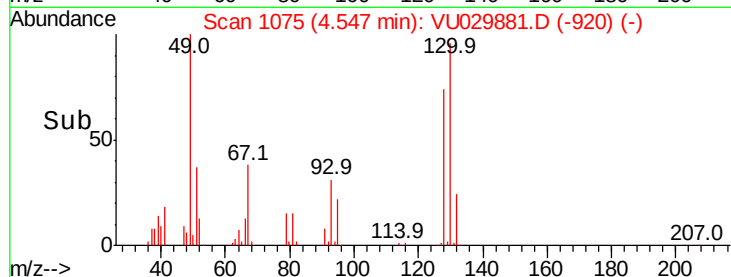
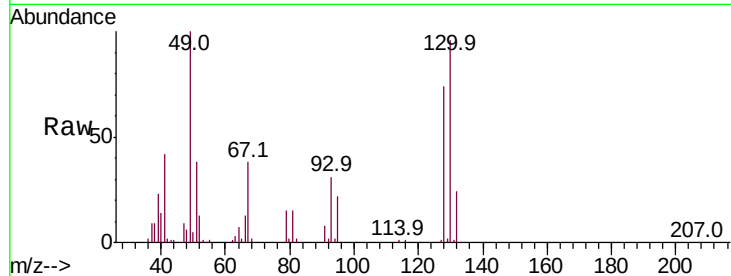
#39
Methacrylonitrile
Concen: 10.843 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	84.4	68.4	102.6	
39	54.7	42.6	63.8	
52	32.2	26.2	39.4	

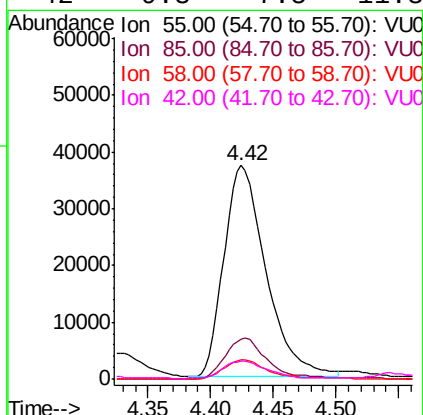
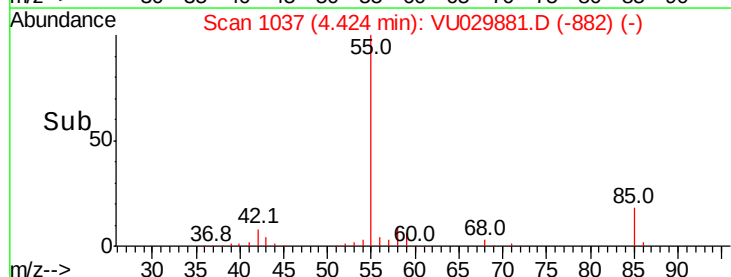
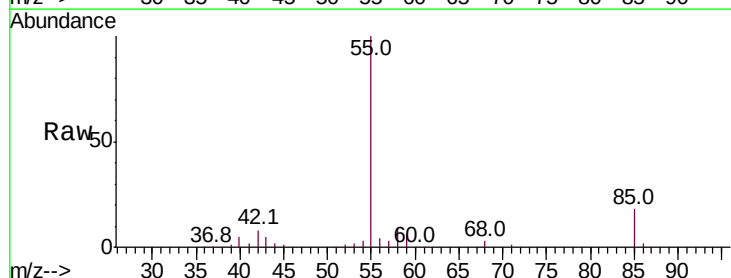
Manual Integrations
APPROVED

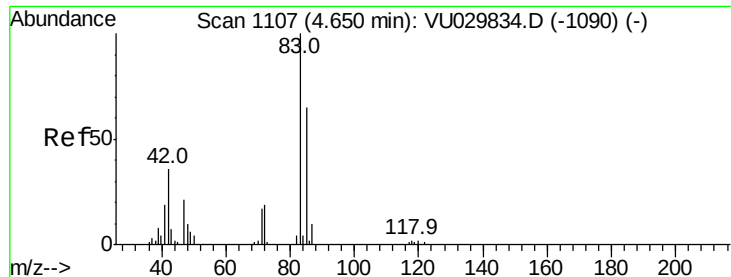
MMDadoda
3/11/2019 6:56:01 PM



#40
Methyl acrylate
Concen: 11.501 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	19.5	15.2	22.8	
58	9.4	7.6	11.4	
42	9.3	7.5	11.3	





#41

Tetrahydrofuran

Concen: 20.818 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

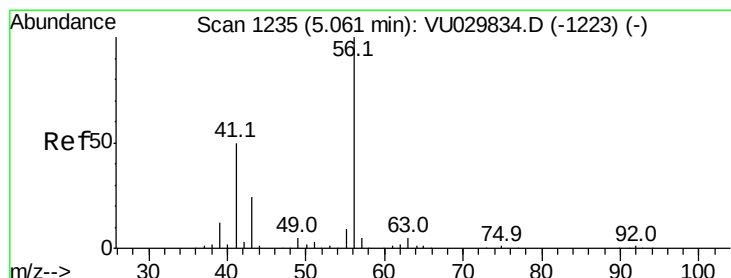
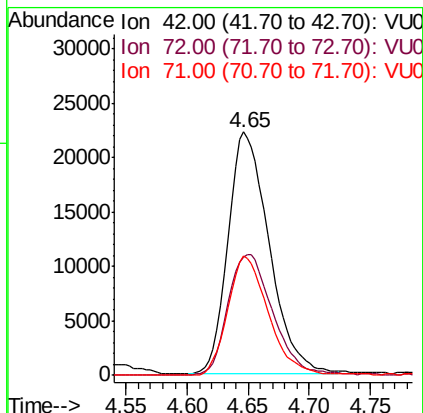
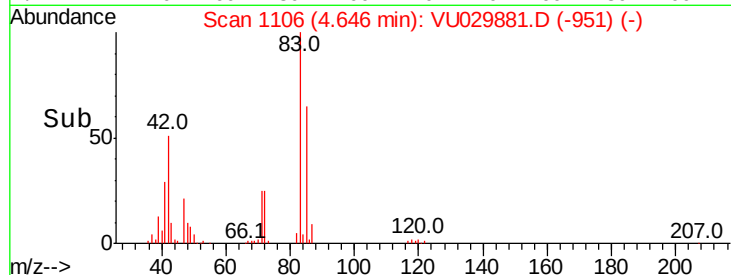
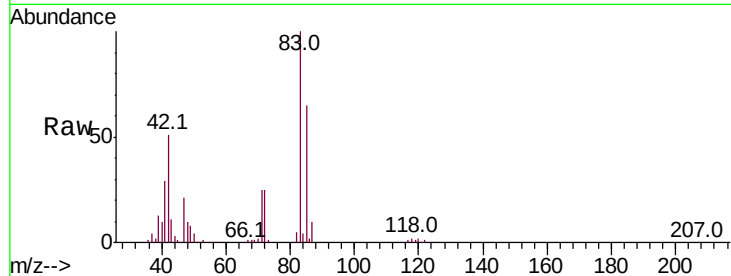
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	52284
Ion	Ratio	Lower	Upper
42	100		
72	54.5	43.6	65.4
71	48.3	37.5	56.3

Manual Integrations
APPROVED

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3/11/2019 6:56:01 PM



#42

1-Chlorobutane

Concen: 10.998 ug/l

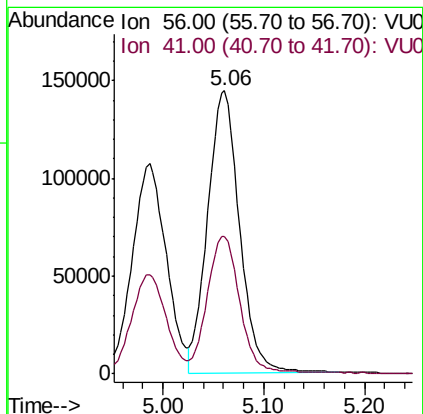
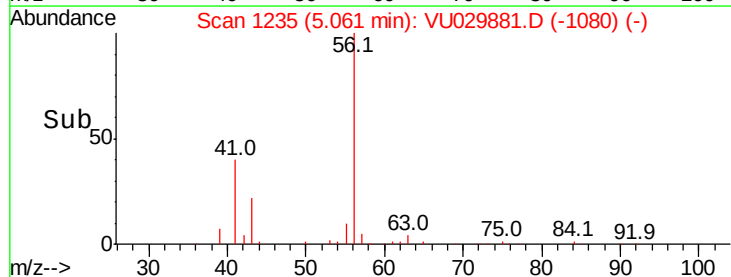
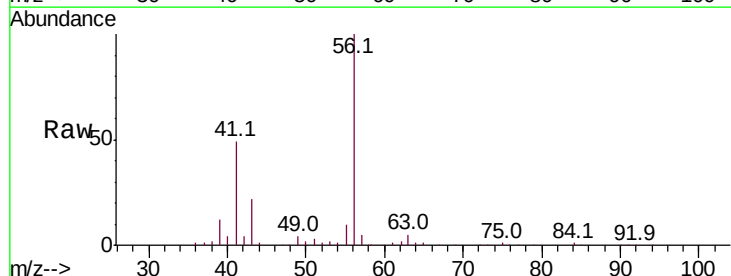
RT: 5.06 min Scan# 1235

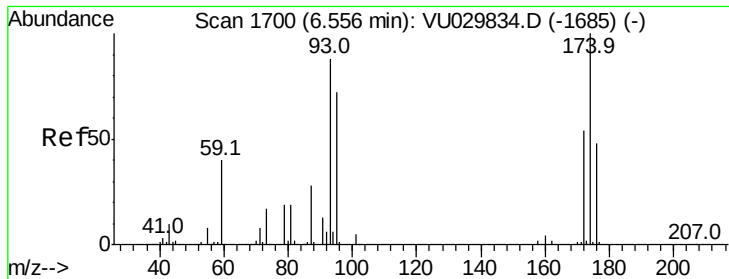
Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Tgt Ion:	56	Resp:	316809
Ion	Ratio	Lower	Upper
56	100		
41	49.6	25.0	75.0





#43

Dibromomethane

Concen: 10.803 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 93 Resp: 94140

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

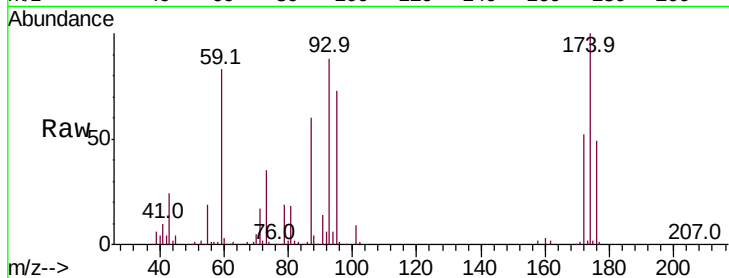
174 112.2 91.4 137.2

Manual Integrations

APPROVED

MMDadoda

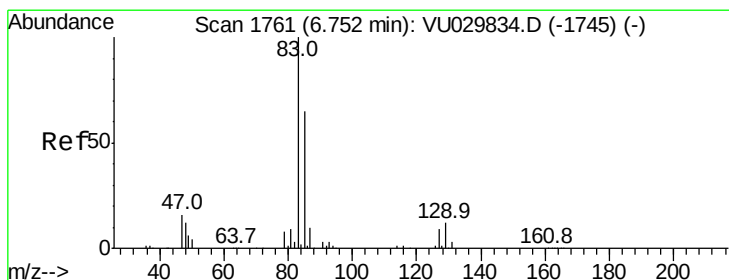
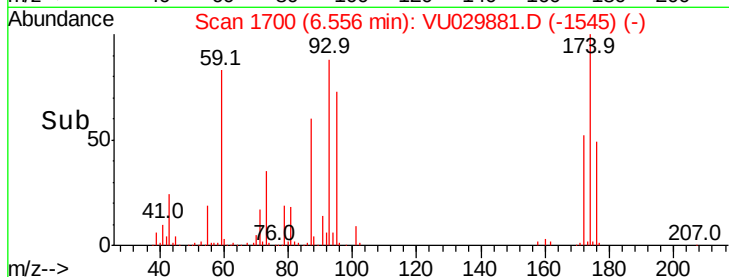
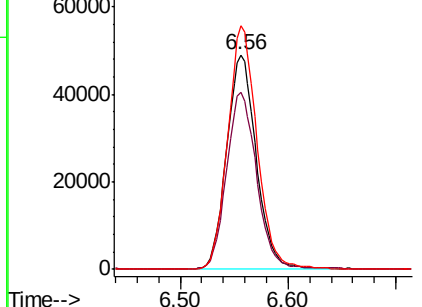
3/11/2019 6:56:01 PM



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 10.737 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Tgt Ion: 83 Resp: 229793

Ion Ratio Lower Upper

83 100

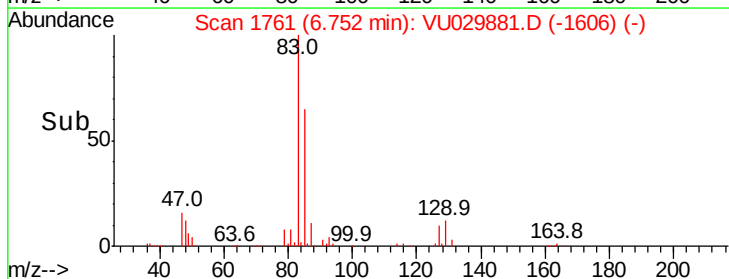
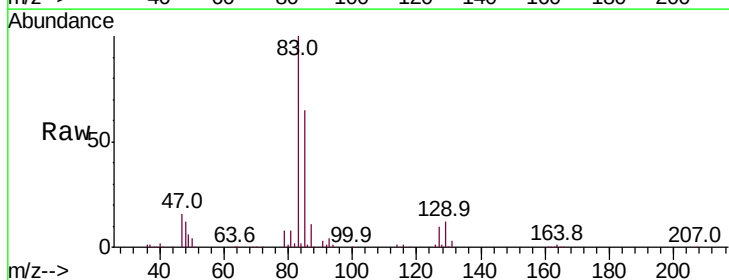
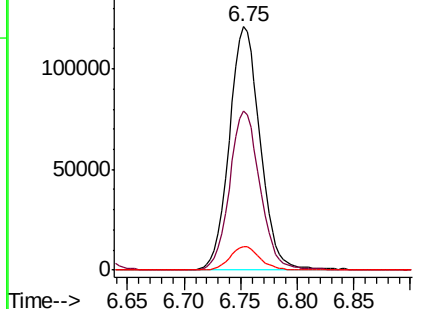
85 65.2 51.7 77.5

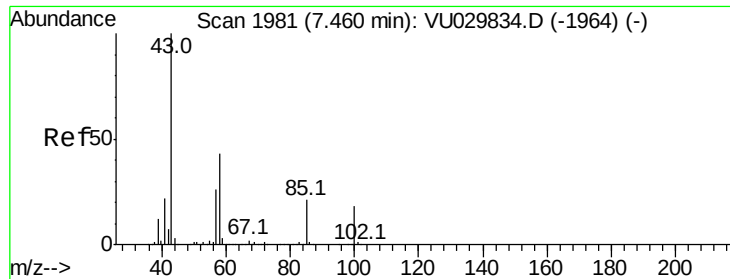
127 9.6 7.4 11.2

Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





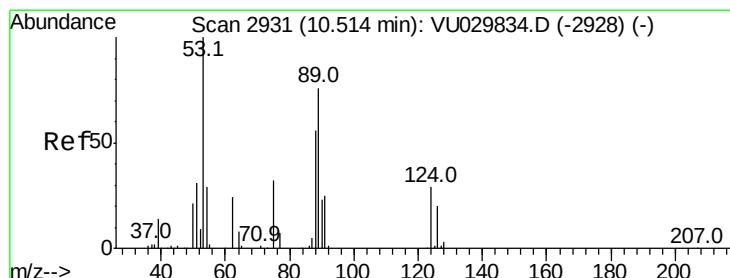
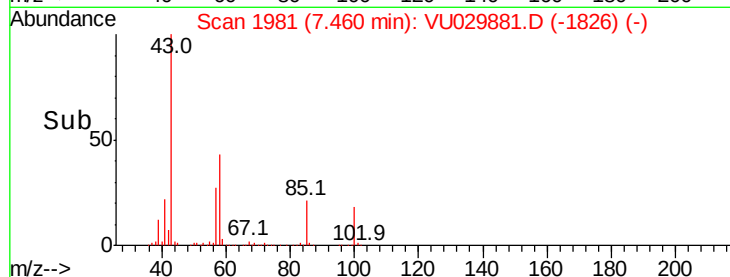
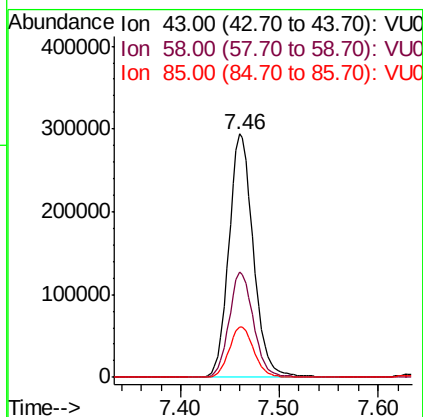
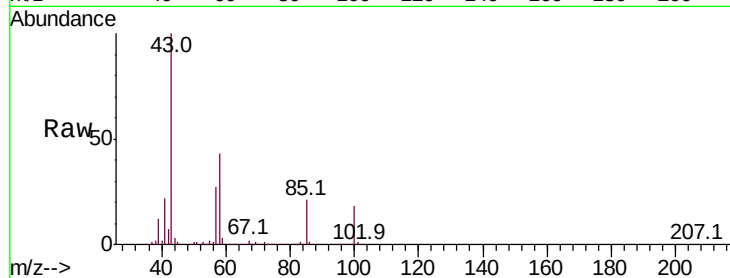
#45
4-Methyl-2-Pentanone
Concen: 56.272 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.1	21.6	65.0
85	21.2	16.5	24.7

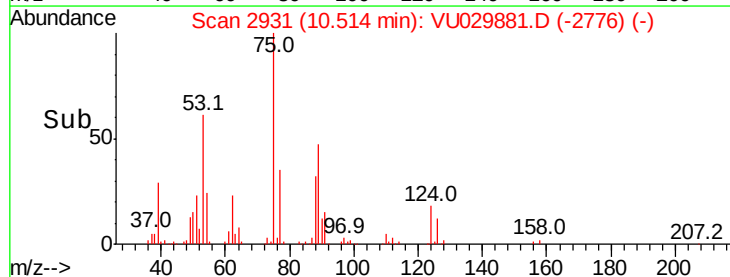
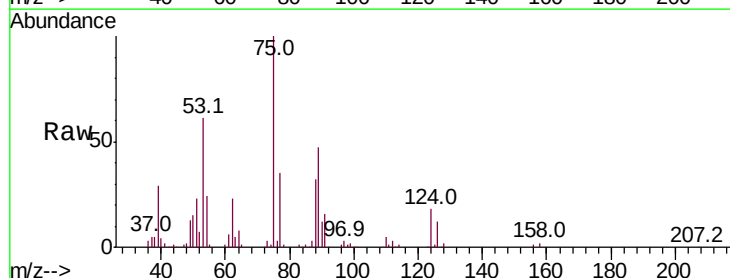
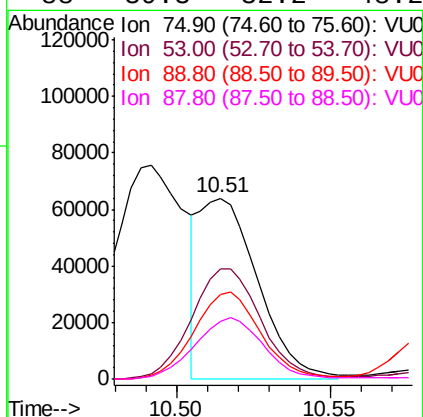
Manual Integrations
APPROVED

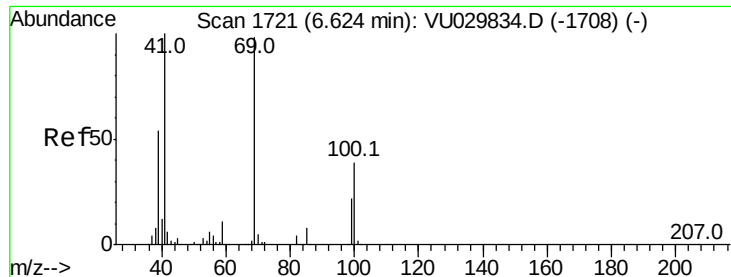
MMDadoda
3/11/2019 6:56:01 PM



#46
t-1,4-Dichloro-2-butene
Concen: 22.345 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
53	72.6	59.2	88.8
89	54.8	44.9	67.3
88	39.3	32.2	48.2





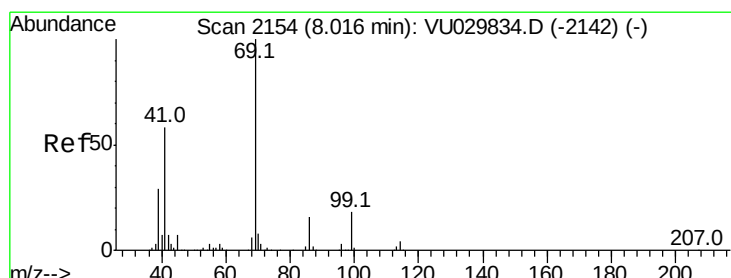
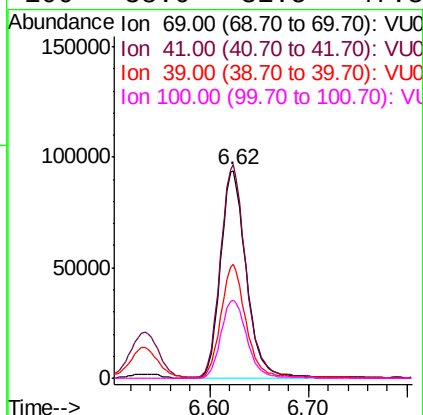
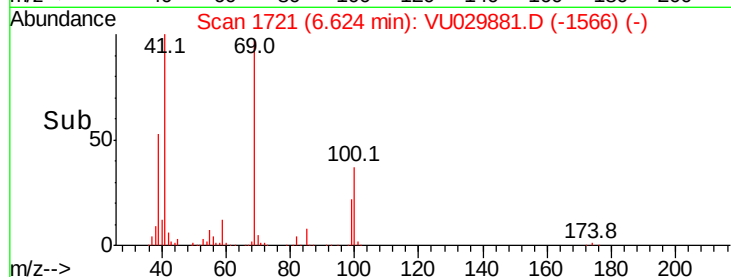
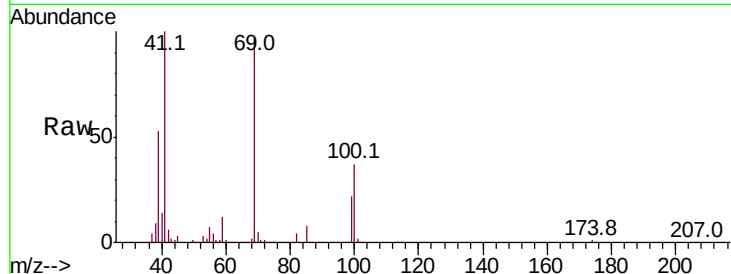
#47
Methvl methacrylate
Concen: 23.072 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	101.3	0.0	201.0	
39	52.3	43.3	64.9	
100	38.0	31.5	47.3	

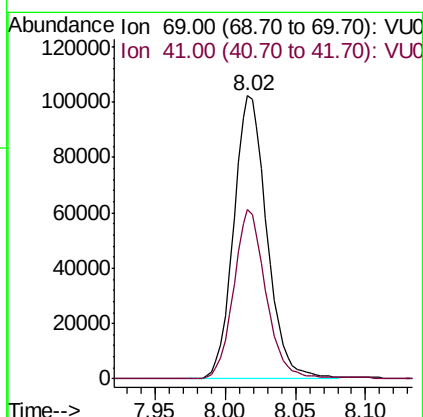
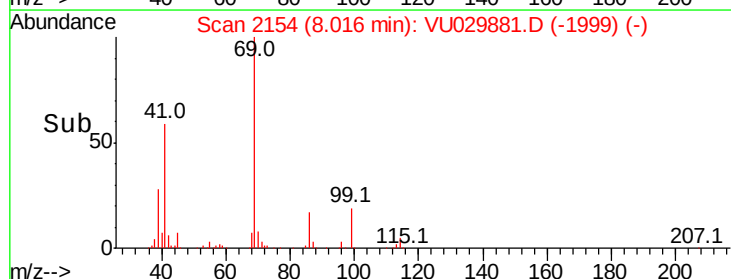
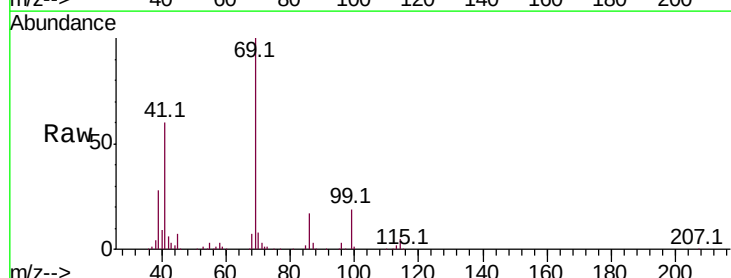
Manual Integrations
APPROVED

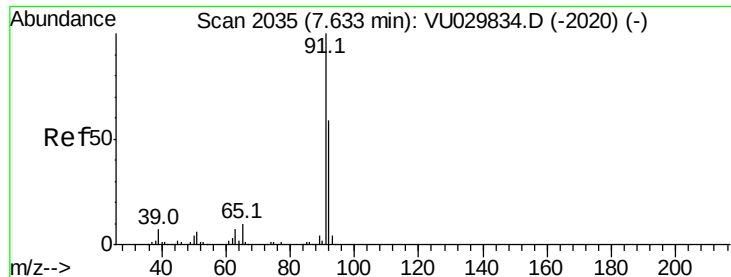
MMDadoda
3/11/2019 6:56:01 PM



#48
Ethyl methacrylate
Concen: 11.778 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	58.7	29.0	87.1	





#49

Toluene

Concen: 11.155 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 455028

Ion Ratio Lower Upper

92 100

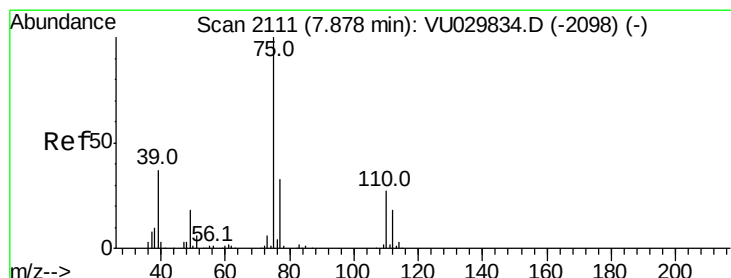
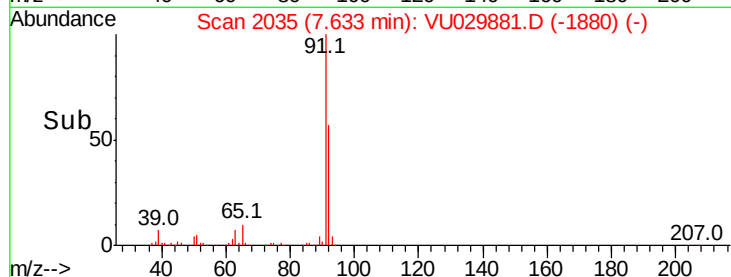
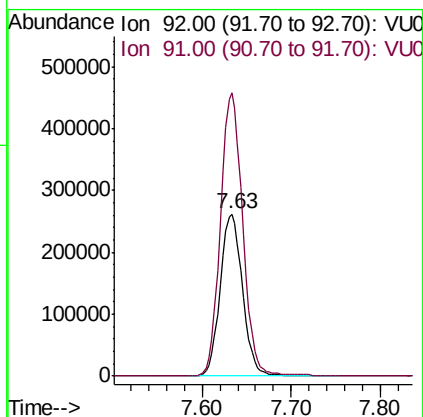
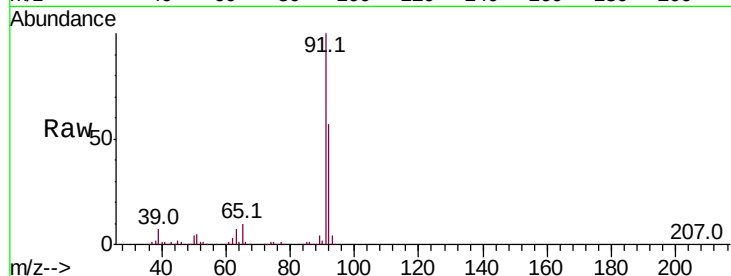
91 174.2 137.8 206.8

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 11.062 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029881.D

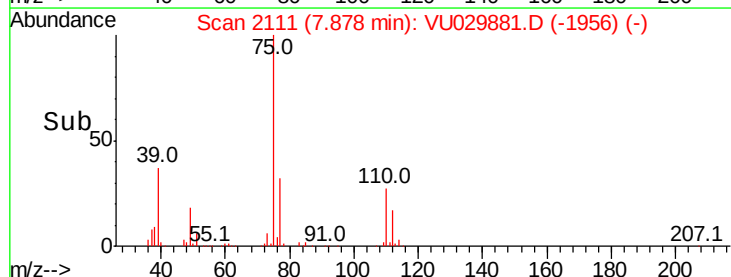
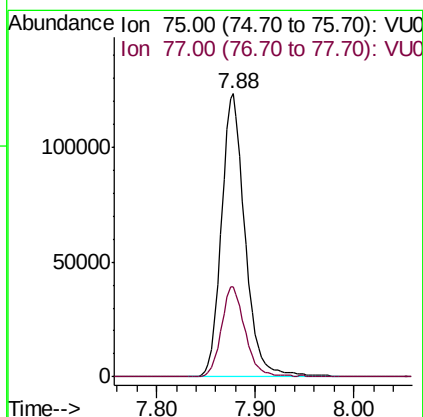
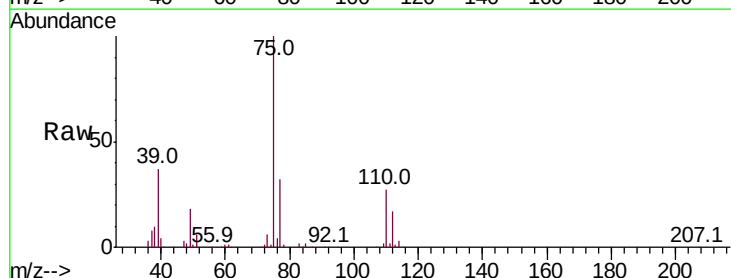
Acq: 08 Mar 2019 11:58

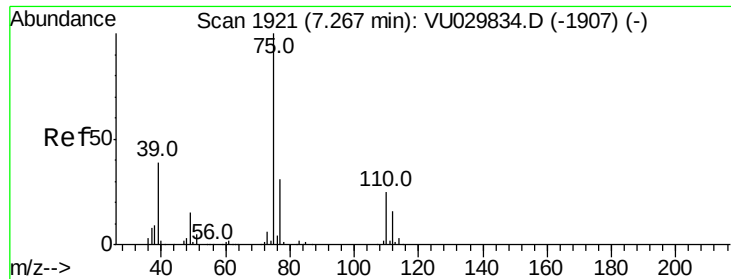
Tgt Ion: 75 Resp: 207463

Ion Ratio Lower Upper

75 100

77 31.9 26.4 39.6





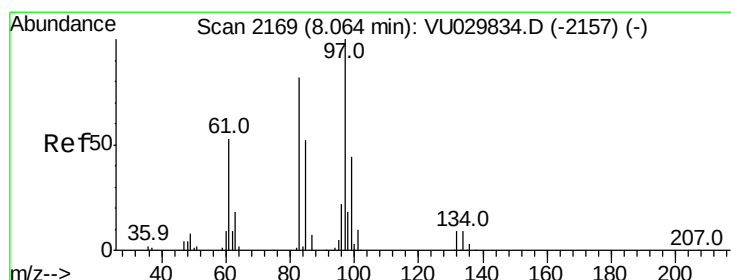
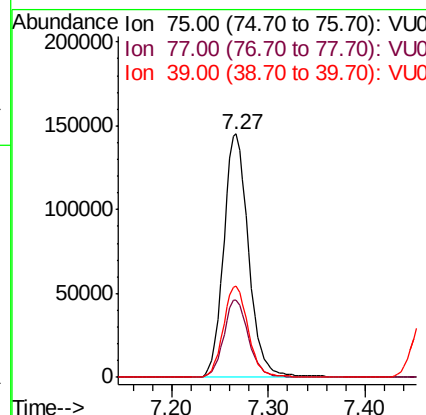
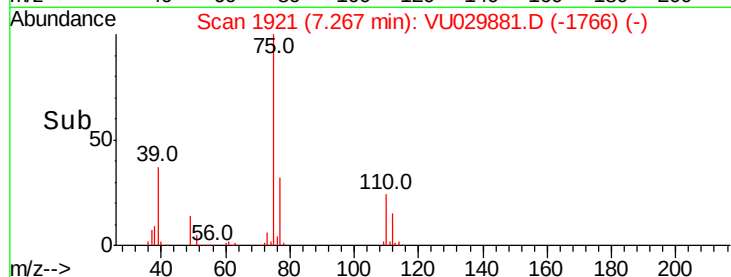
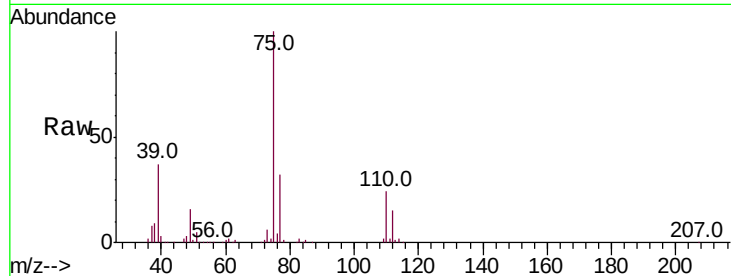
#51
 cis-1,3-Dichloropropene
 Concen: 11.206 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	37.4	30.8	46.2

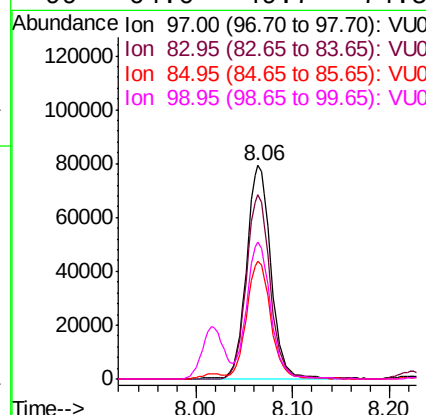
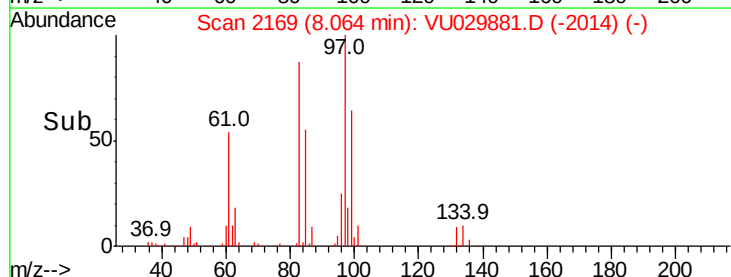
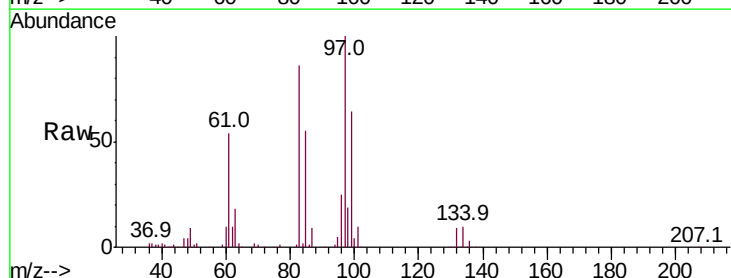
Manual Integrations
 APPROVED

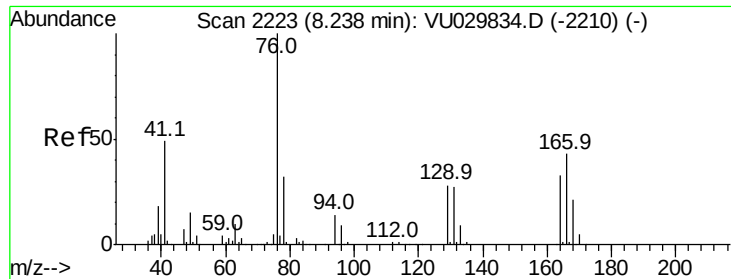
MMDadoda
 3/11/2019 6:56:01 PM



#52
 1,1,2-Trichloroethane
 Concen: 10.743 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	65.9	98.9
85	54.9	43.0	64.6
99	64.0	49.7	74.5





#53

1,3-Dichloropropane

Concen: 10.855 ug/l

RT: 8.24 min Scan# 2223

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 229641

Ion Ratio Lower Upper

76 100

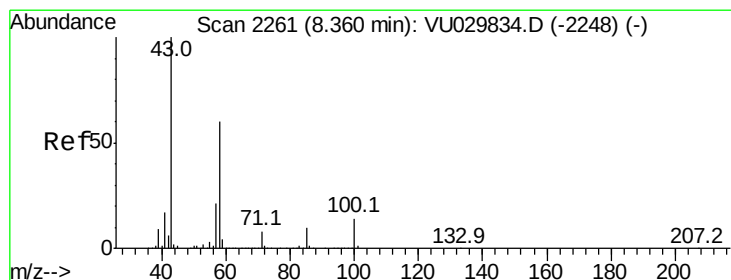
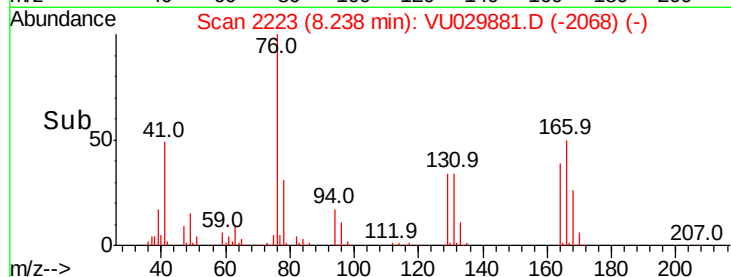
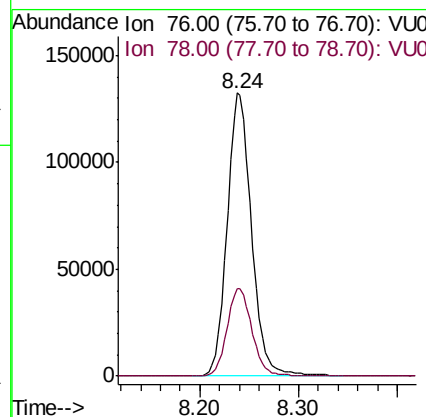
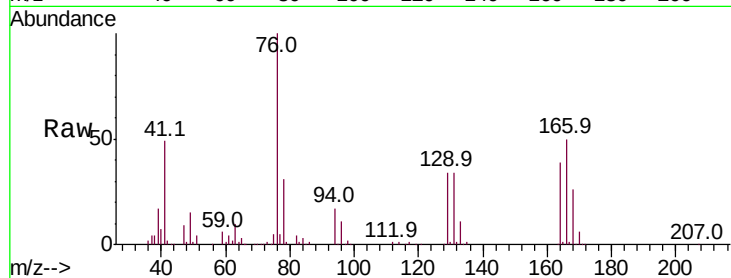
78 31.7 25.7 38.5

Manual Integrations

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#54

2-Hexanone

Concen: 56.518 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

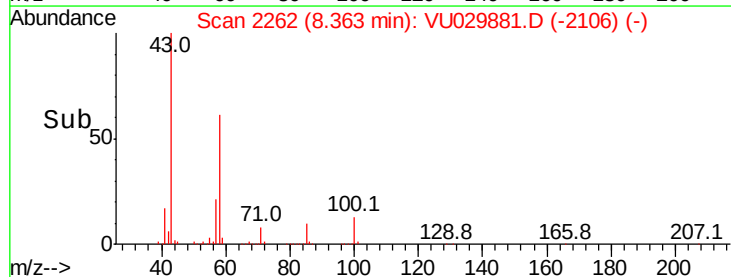
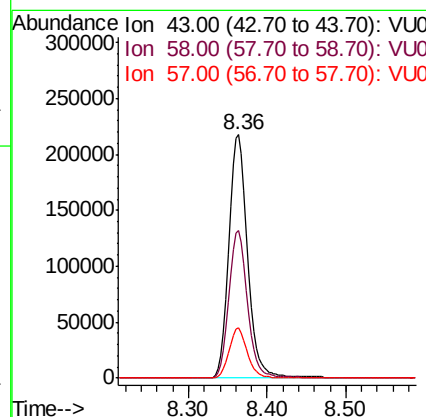
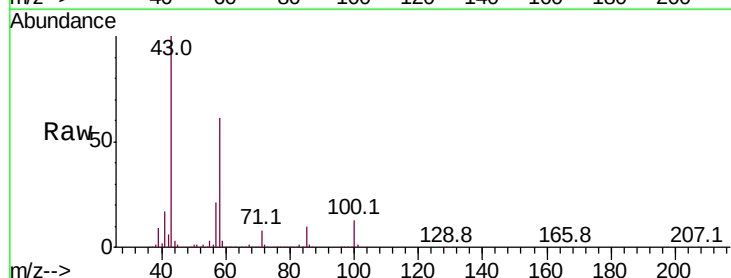
Tgt Ion: 43 Resp: 356735

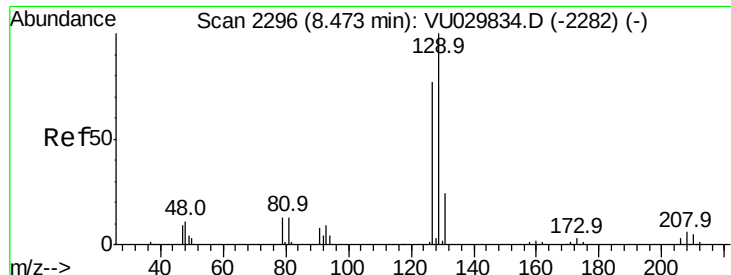
Ion Ratio Lower Upper

43 100

58 60.2 39.6 79.6

57 20.1 0.5 40.5





#55

Dibromochloromethane

Concen: 10.990 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 168242

Ion Ratio Lower Upper

129 100

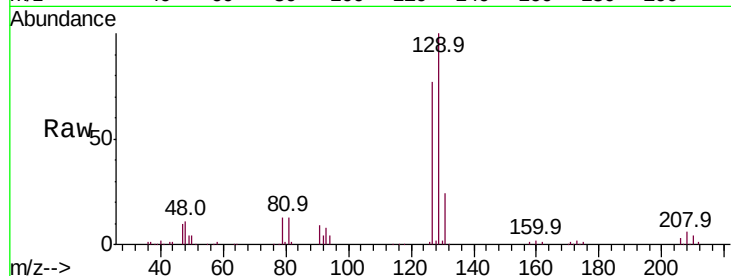
127 76.9 61.6 92.4

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.47

100000

80000

60000

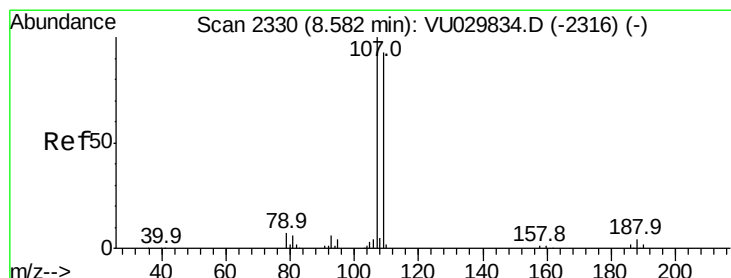
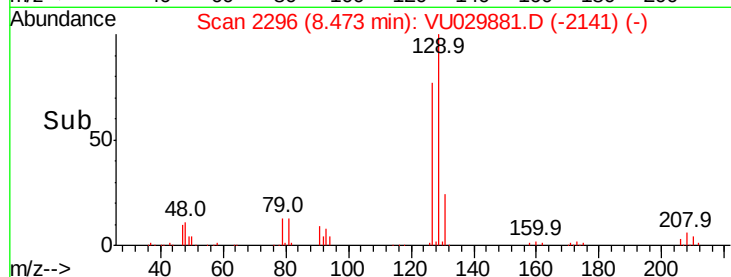
40000

20000

0

8.40 8.45 8.50 8.55

Time-->



#56

1,2-Dibromoethane

Concen: 10.713 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029881.D

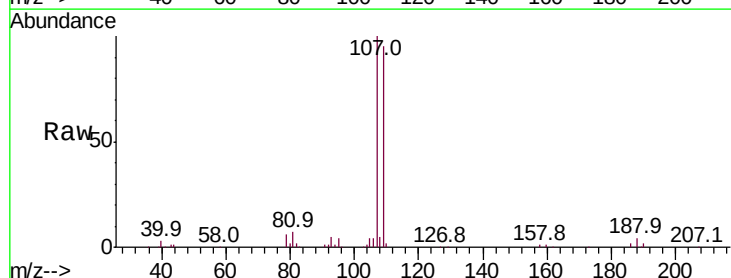
Acq: 08 Mar 2019 11:58

Tgt Ion:107 Resp: 131029

Ion Ratio Lower Upper

107 100

109 93.6 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

80000

60000

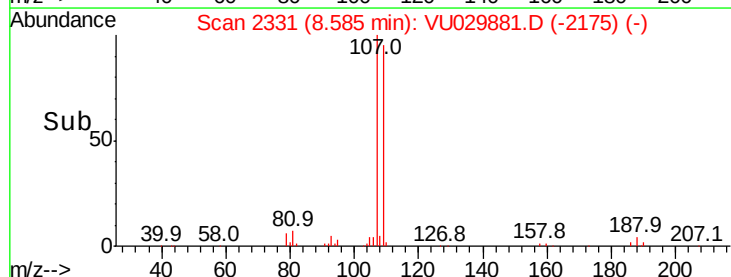
40000

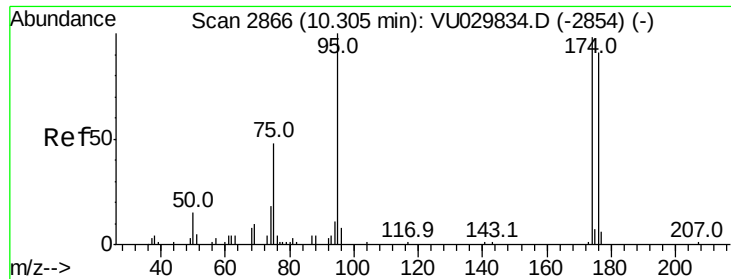
20000

0

8.50 8.60 8.70

Time-->





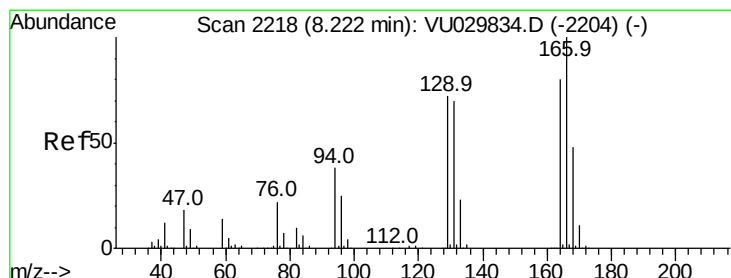
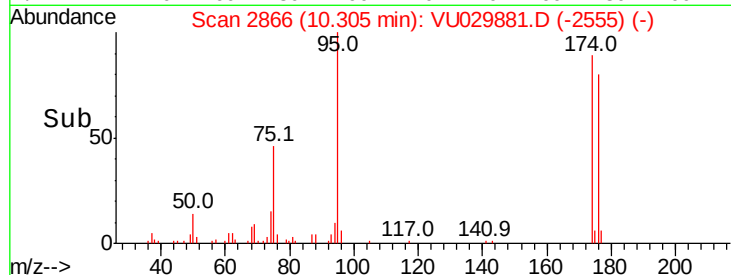
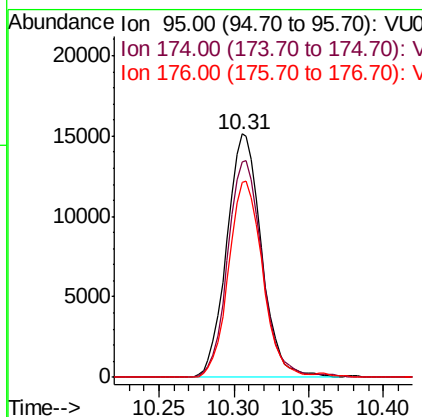
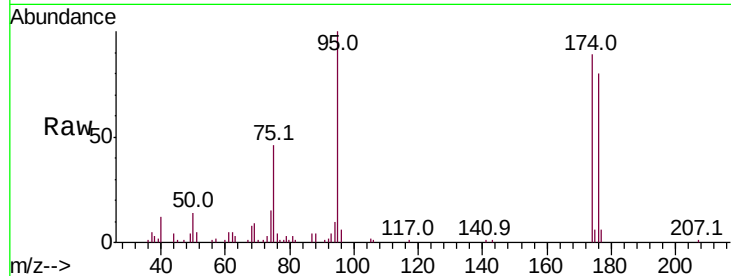
#57
4-Bromofluorobenzene
Concen: 10.713 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.9	76.5	114.7
176	78.6	74.2	111.2

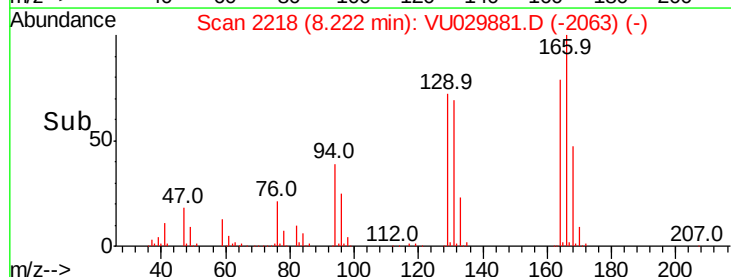
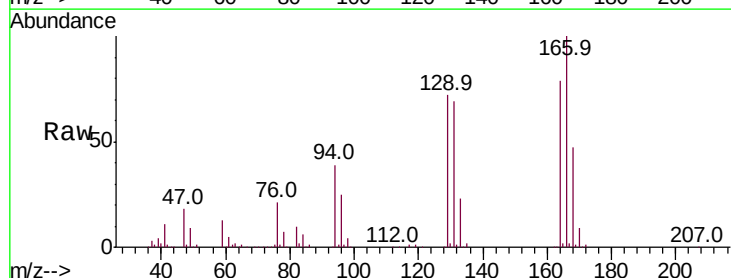
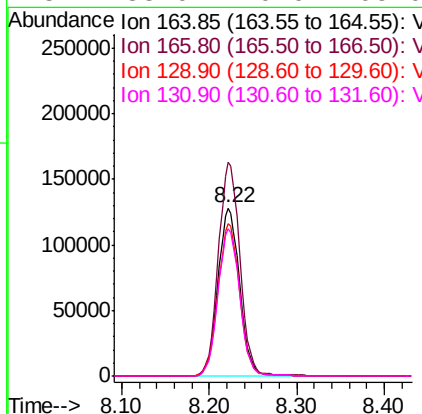
Manual Integrations
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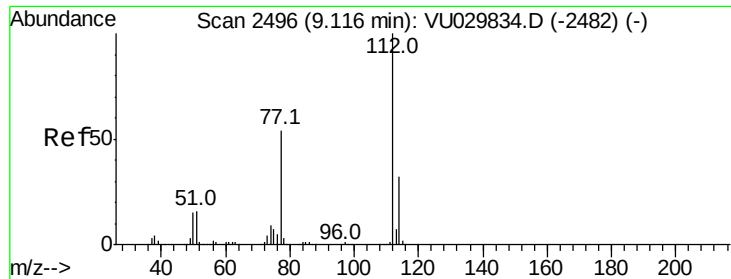
MMDadoda
3/11/2019 6:56:01 PM



#58
Tetrachloroethene
Concen: 11.089 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.5	150.7
129	91.1	72.3	108.5
131	88.0	70.0	105.0





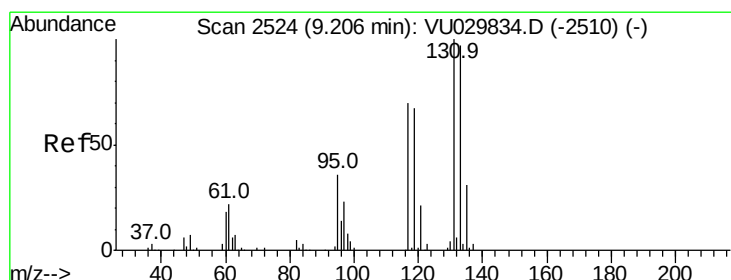
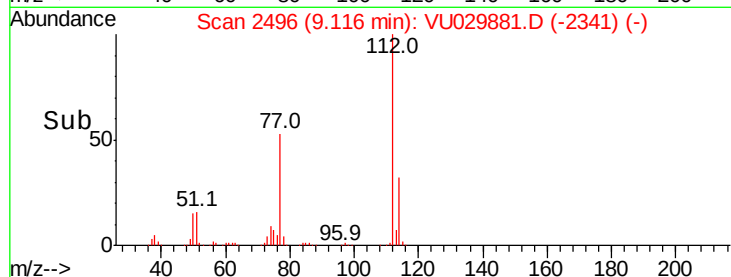
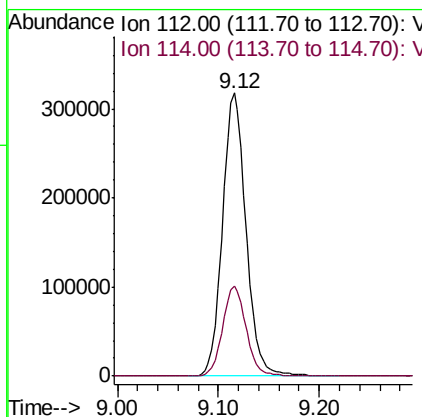
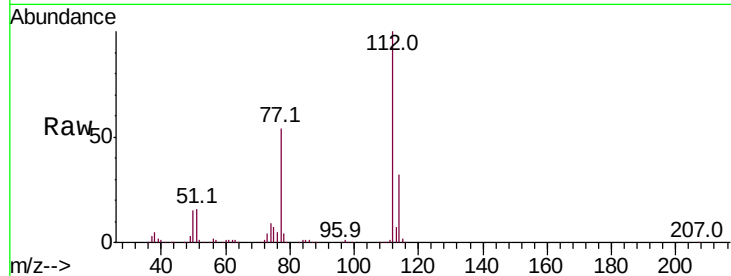
#59
Chlorobenzene
Concen: 11.056 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	518286		
114	31.8	25.4	38.2	

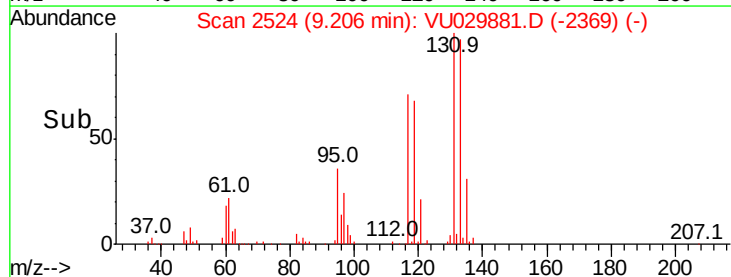
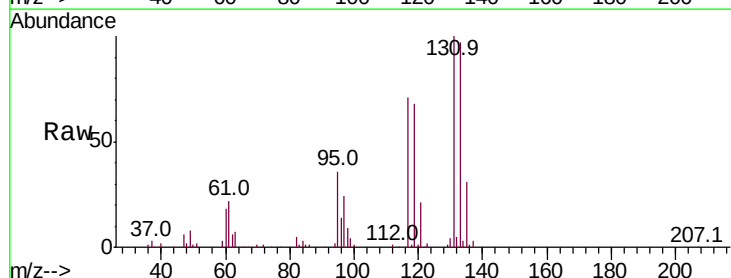
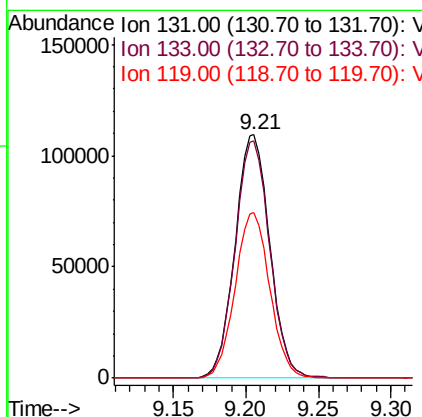
Manual Integrations
APPROVED

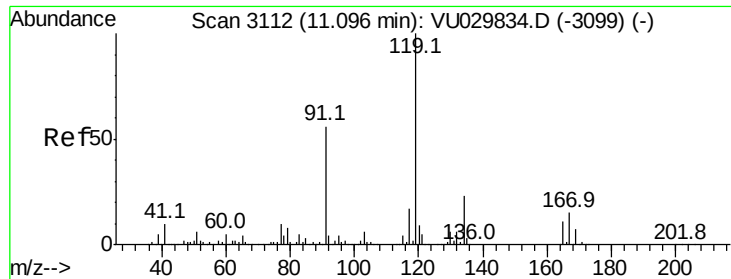
MMDadoda
3/11/2019 6:56:01 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.865 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	182725		
133	97.2	76.4	114.6	
119	67.6	54.2	81.4	





#61

Pentachloroethane

Concen: 10.421 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 122012

Ion Ratio Lower Upper

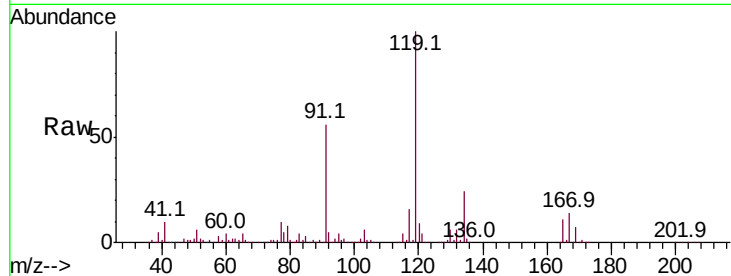
117 100

167 87.6 71.4 107.2

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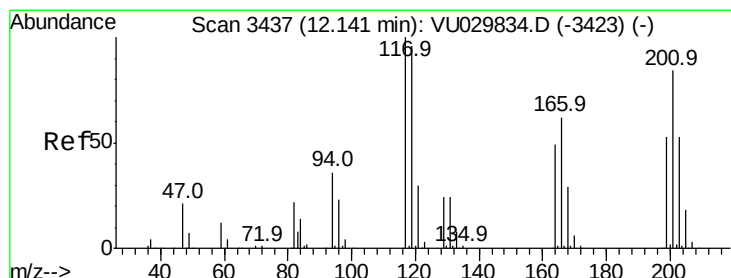
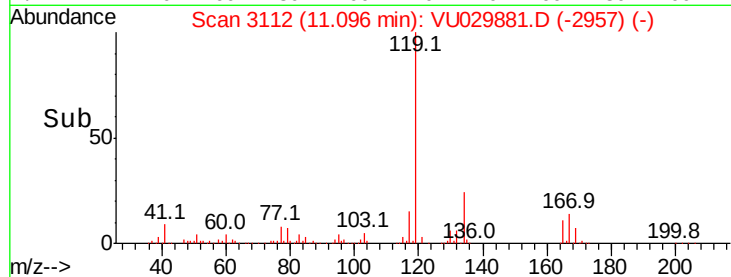
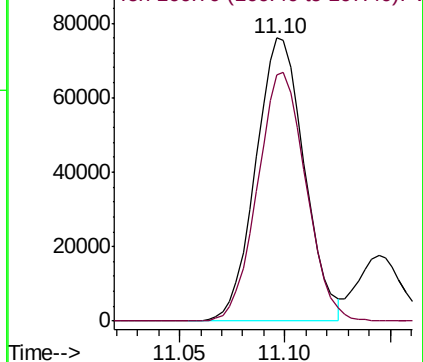
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.909 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029881.D

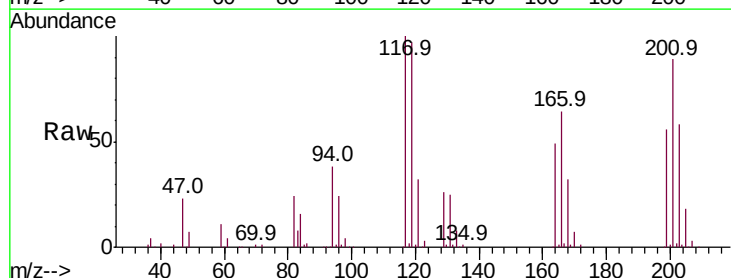
Acq: 08 Mar 2019 11:58

Tgt Ion:117 Resp: 134365

Ion Ratio Lower Upper

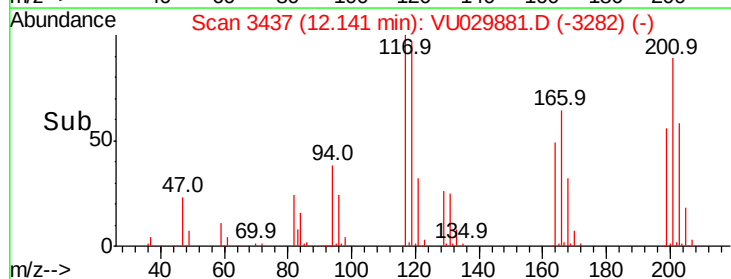
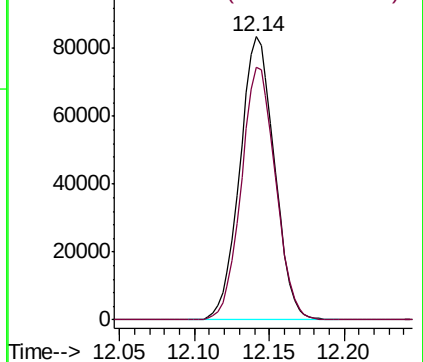
117 100

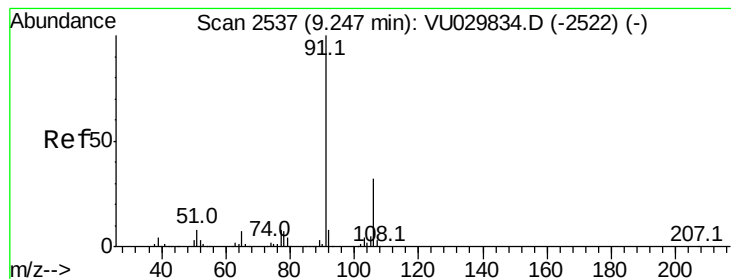
201 88.2 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 11.372 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 873344

Ion Ratio Lower Upper

91 100

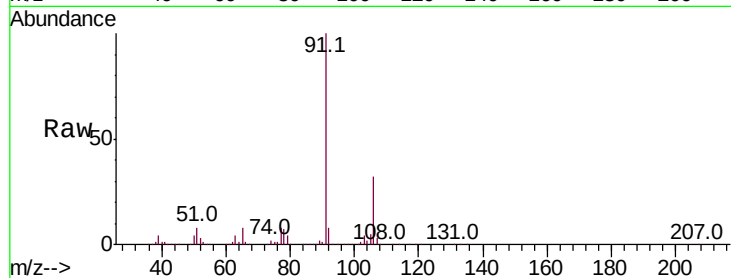
106 32.0 25.7 38.5

Manual Integrations

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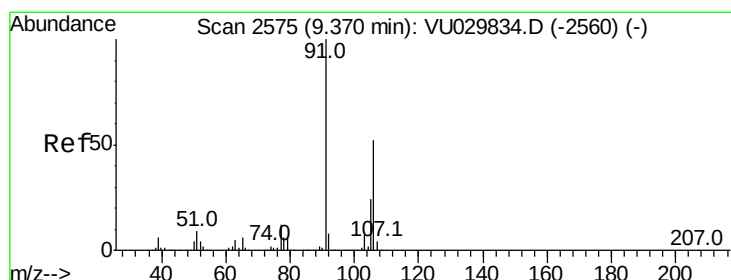
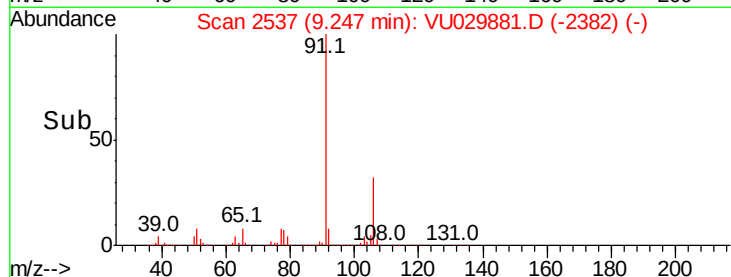
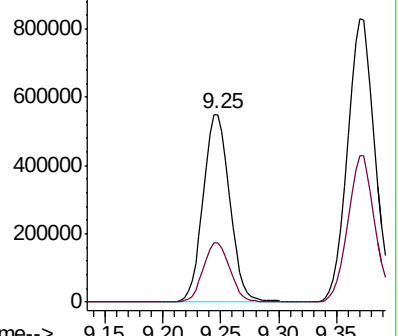
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#64

m/p-Xylenes

Concen: 23.212 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029881.D

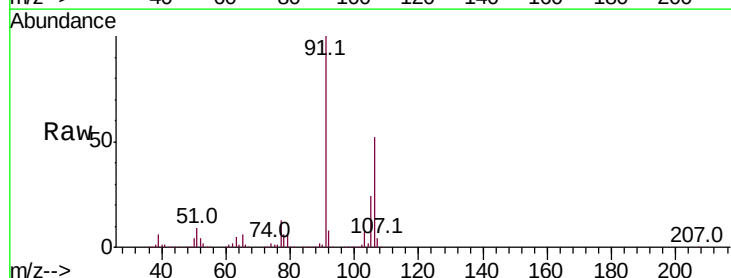
Acq: 08 Mar 2019 11:58

Tgt Ion:106 Resp: 704690

Ion Ratio Lower Upper

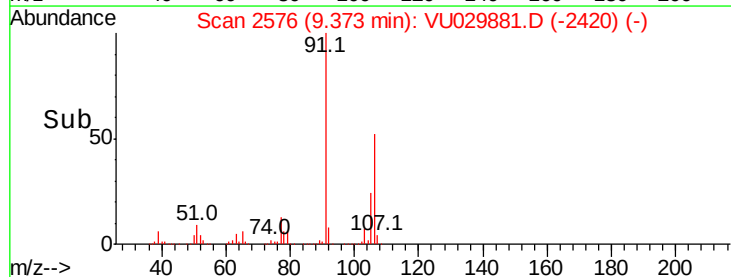
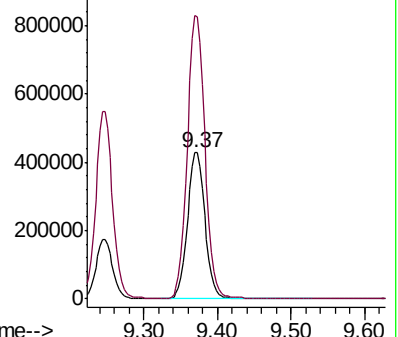
106 100

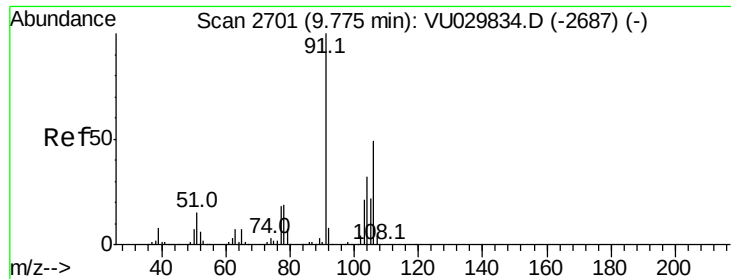
91 194.9 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#65

o-Xylene

Concen: 11.496 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:106 Resp: 335184

Ion Ratio Lower Upper

106 100

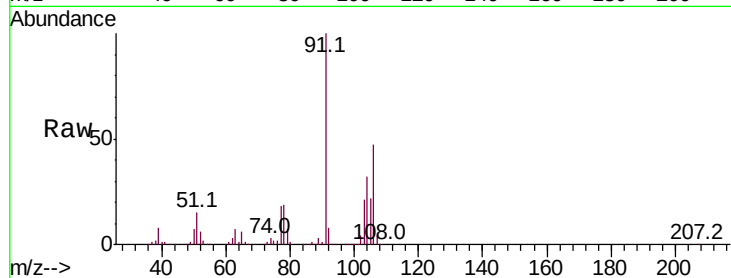
91 208.8 102.8 308.3

Manual Integrations

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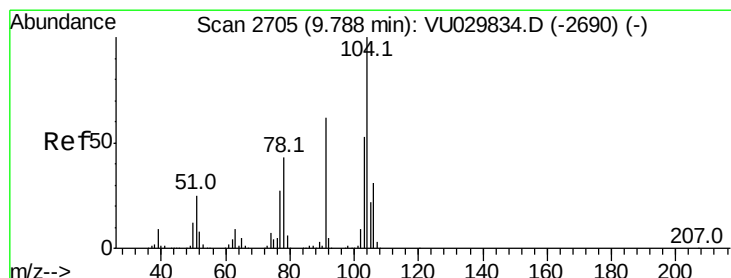
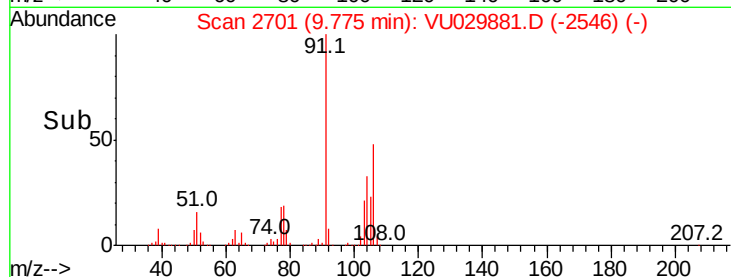
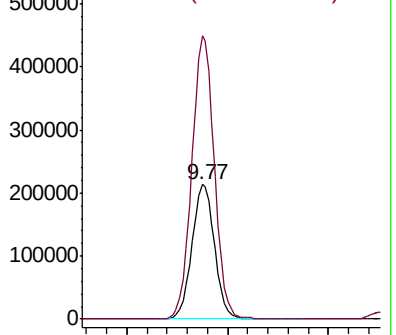
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 11.832 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

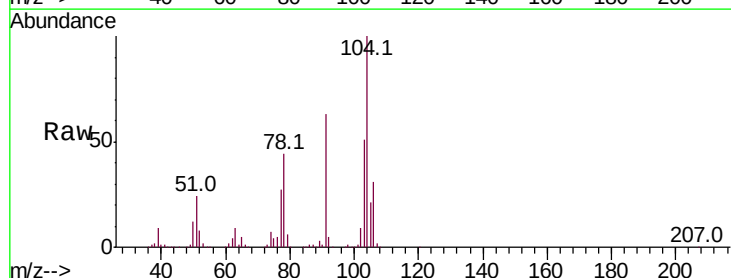
Tgt Ion:104 Resp: 573159

Ion Ratio Lower Upper

104 100

78 46.6 37.2 55.8

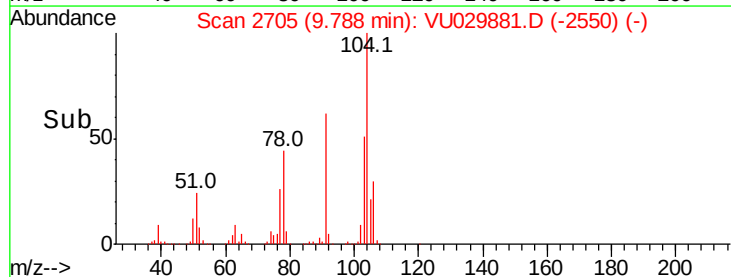
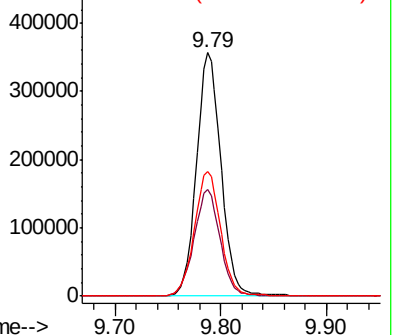
103 54.7 44.7 67.1

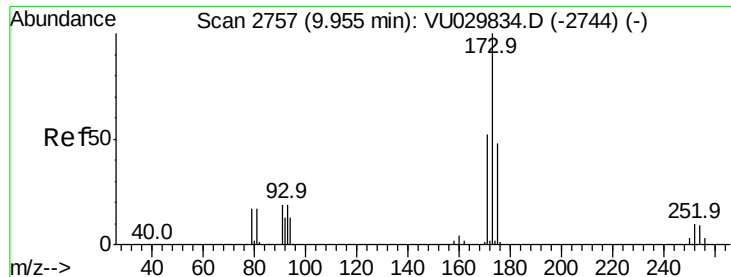


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 11.287 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

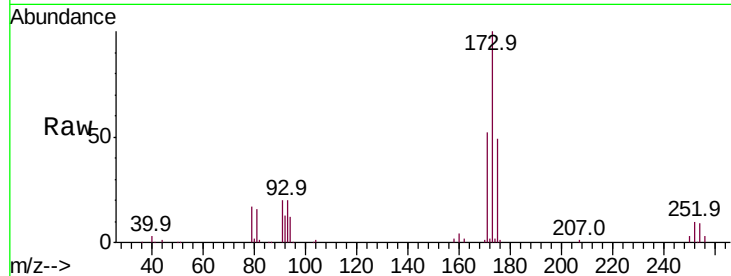
ClientSampleId :

VSTDCCC010EC

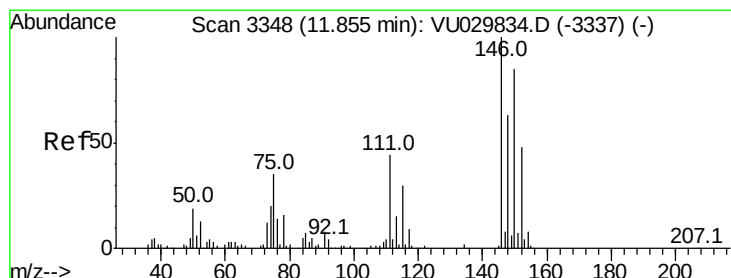
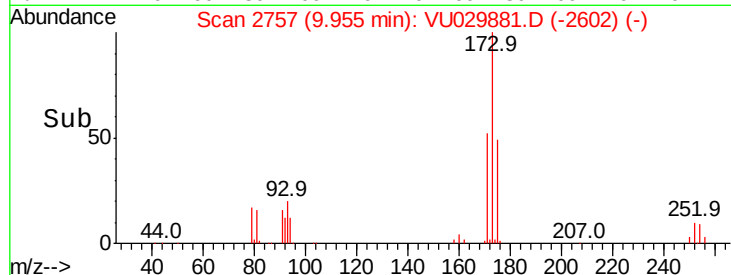
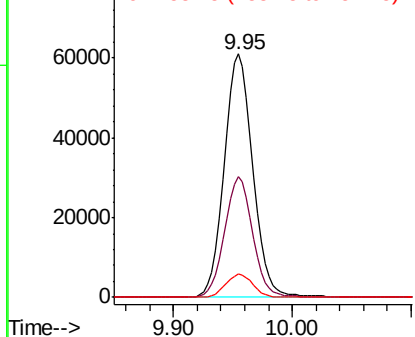
Tot Ion:	173	Resp:	101482
Ion Ratio	Lower	Upper	
173	100		
175	48.5	38.6	57.8
254	9.0	7.4	11.2

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



#68

1,2-Dichlorobenzene-d4

Concen: 11.287 ug/l

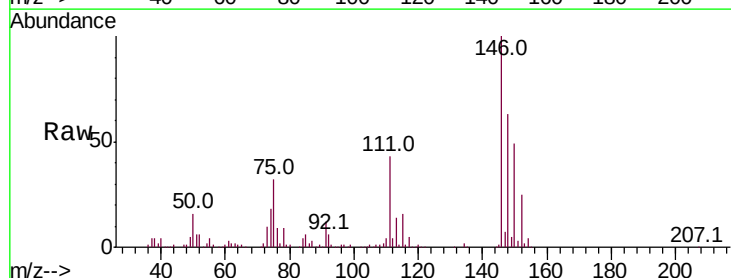
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

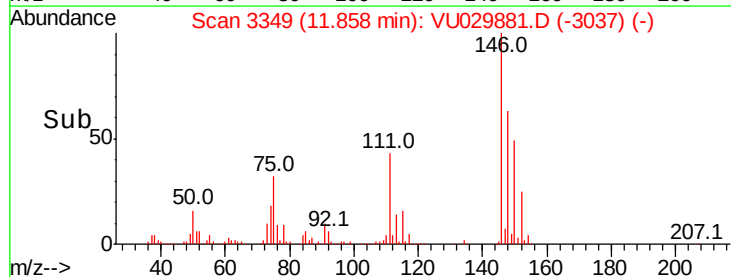
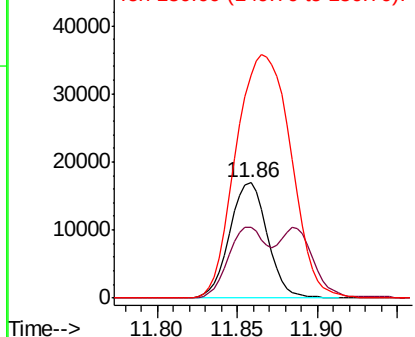
Lab File: VU029881.D

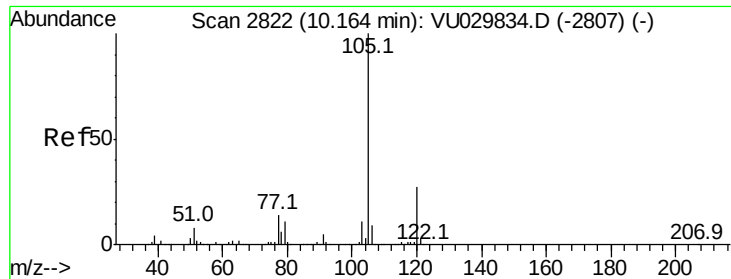
Acq: 08 Mar 2019 11:58

Tgt Ion:	152	Resp:	27202
Ion Ratio	Lower	Upper	
152	100		
115	62.9	0.0	124.0
150	311.0	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: 11.532 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 891629

Ion Ratio Lower Upper

105 100

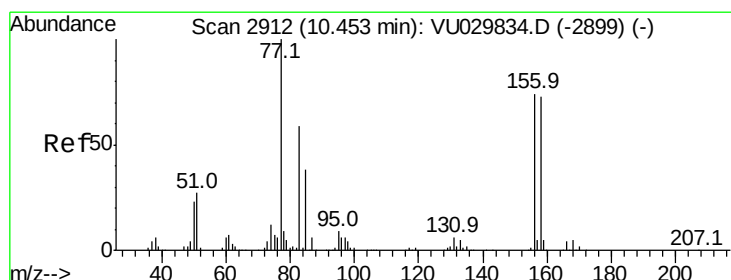
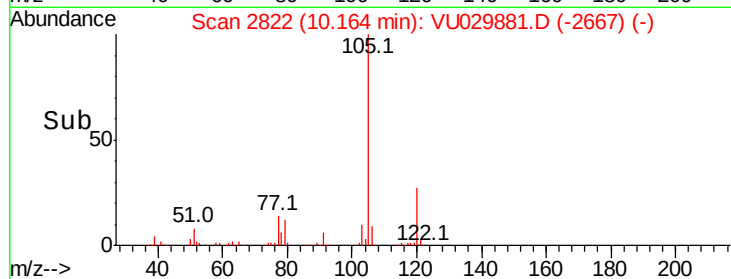
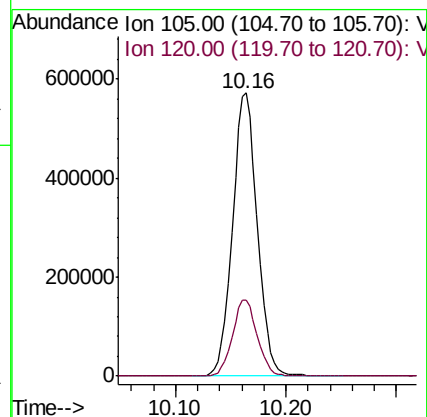
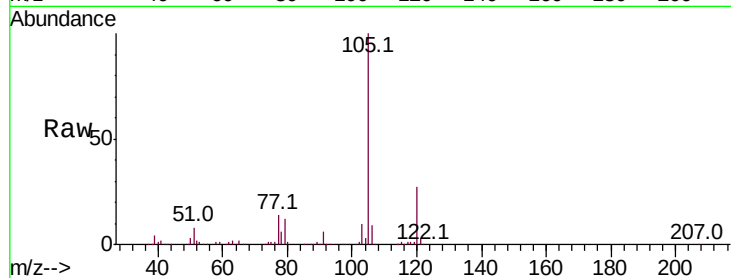
120 26.9 13.5 40.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.823 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

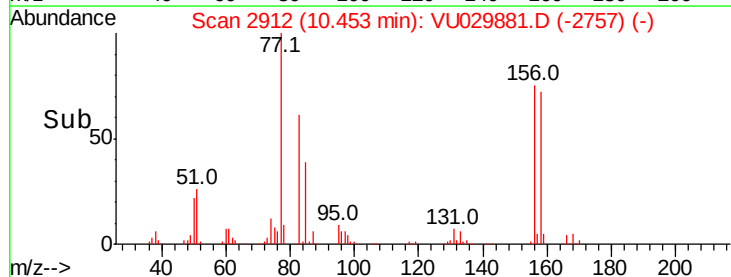
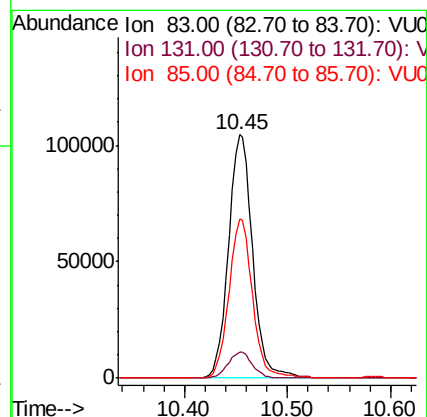
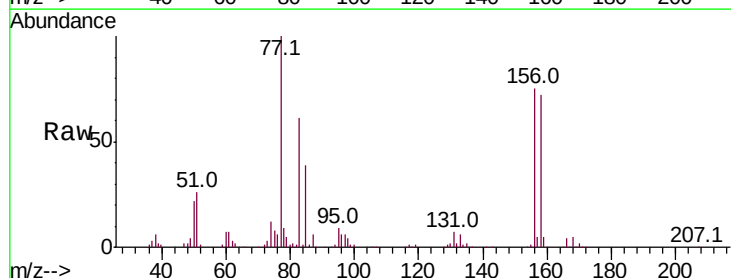
Tgt Ion: 83 Resp: 170256

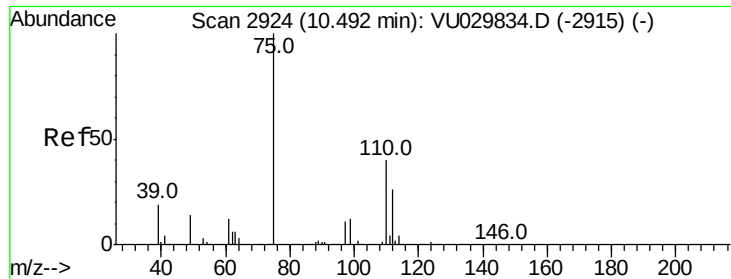
Ion Ratio Lower Upper

83 100

131 10.8 8.3 12.5

85 64.4 52.5 78.7





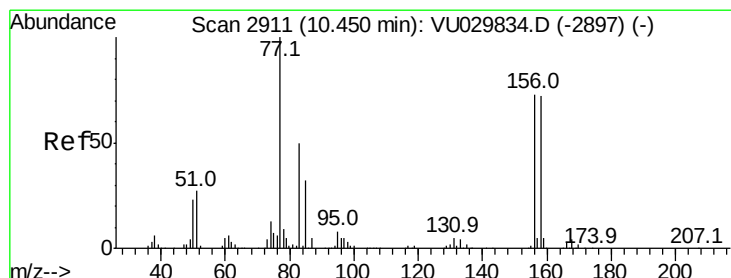
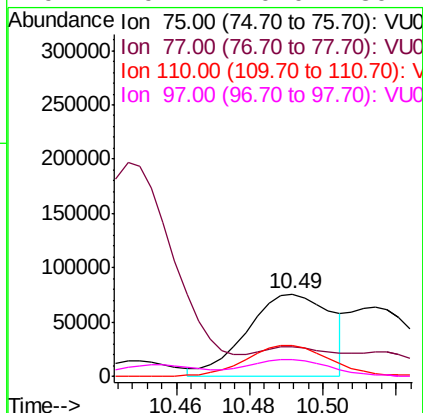
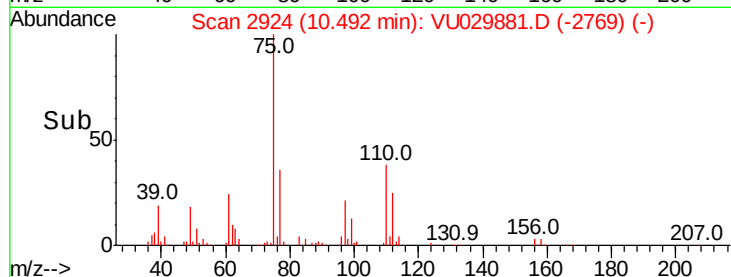
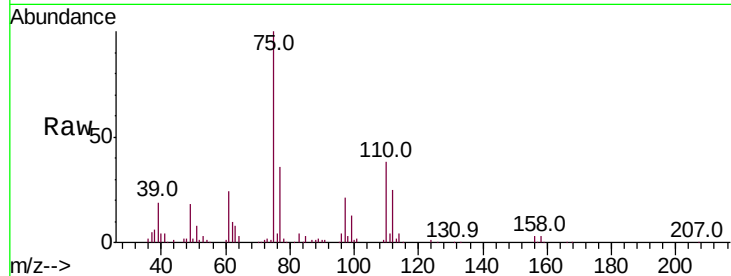
#71
1,2,3-Trichloropropane
Concen: 10.405 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	0.0	0.0	16.4
110	110	37.2	0.0	74.8
97	97	19.7	0.0	39.4

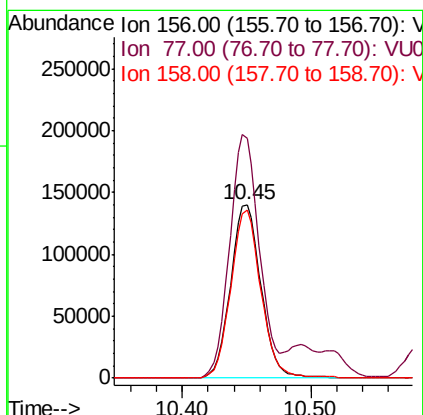
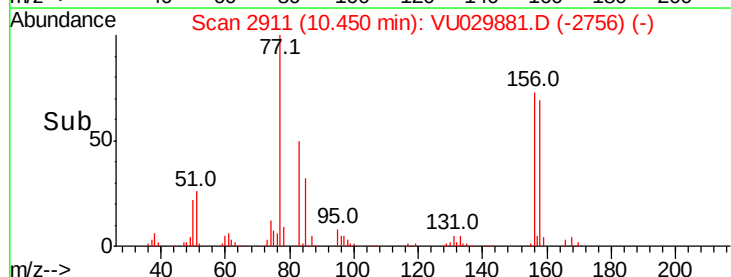
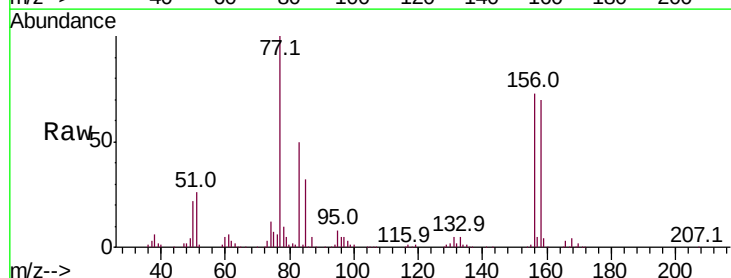
Manual Integrations
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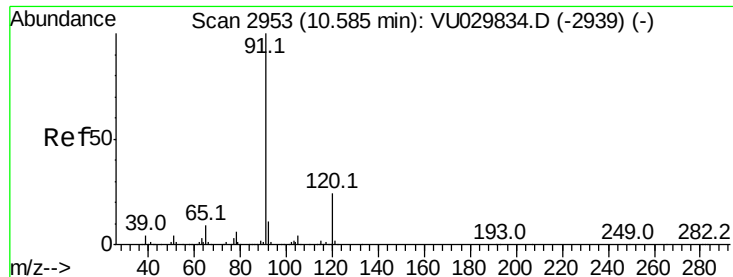
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#72
Bromobenzene
Concen: 11.221 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	137.3	0.0	282.2
158	158	96.5	0.0	196.2





#73

n-propylbenzene

Concen: 11.748 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 255351

Ion Ratio Lower Upper

120 100

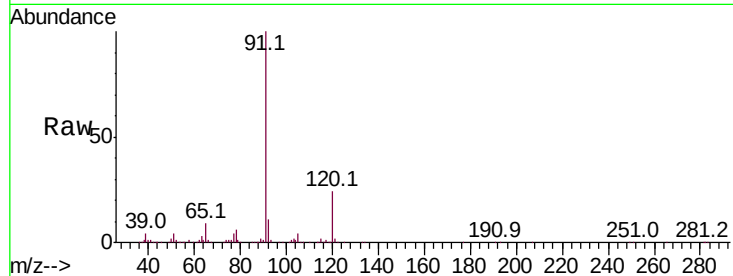
91 415.5 333.4 500.2

Manual Integrations

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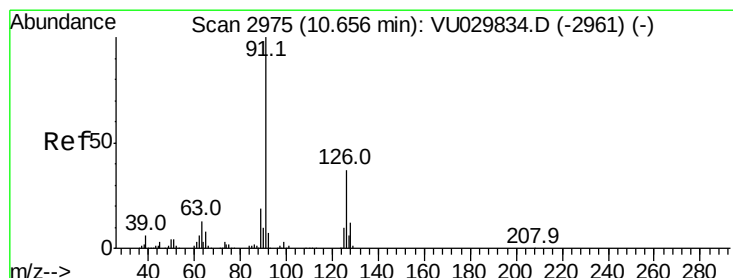
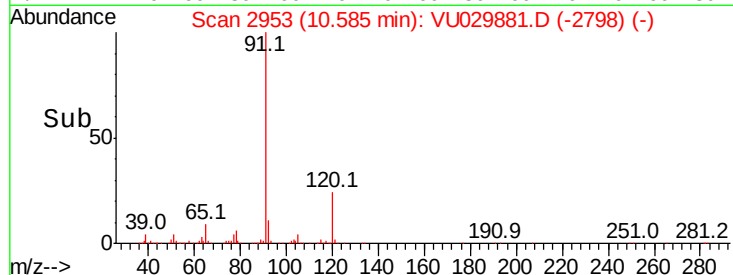
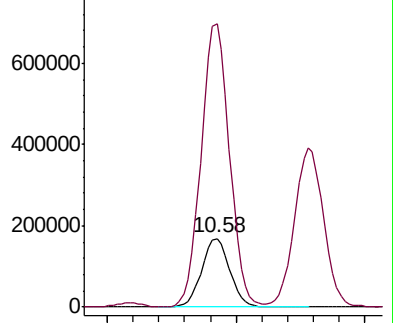
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.328 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU029881.D

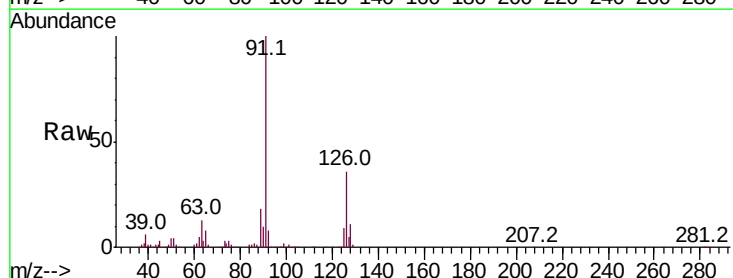
Acq: 08 Mar 2019 11:58

Tgt Ion:126 Resp: 218409

Ion Ratio Lower Upper

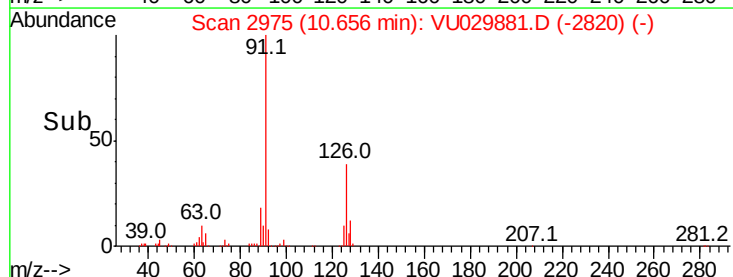
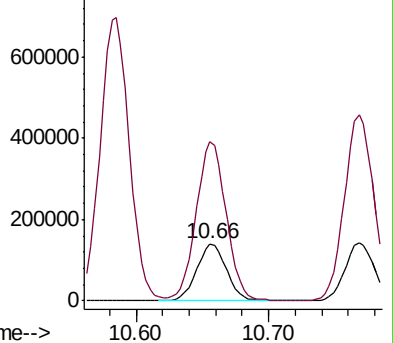
126 100

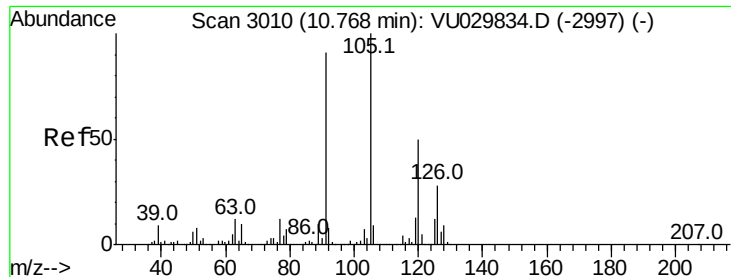
91 279.0 0.0 569.0



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: 11.713 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 762907

Ion Ratio Lower Upper

105 100

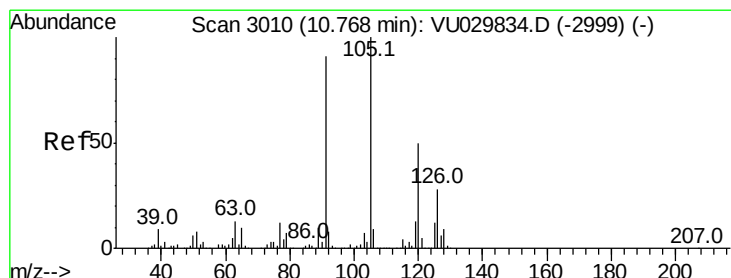
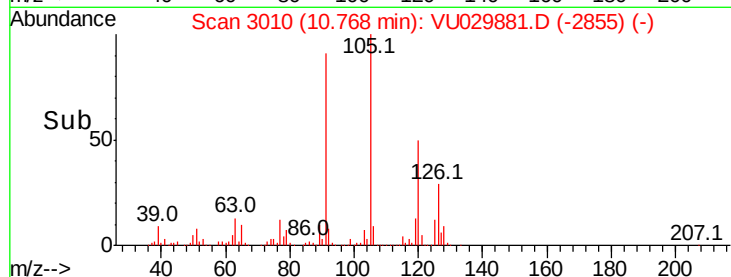
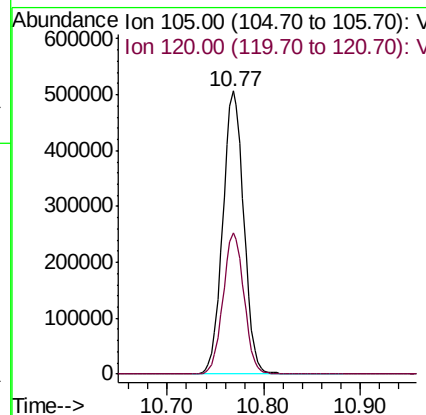
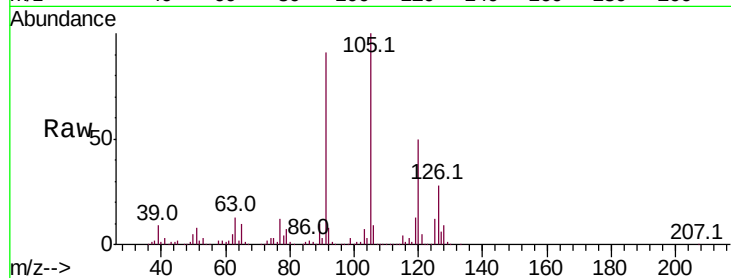
120 49.8 40.0 60.0

Manual Integrations

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#76

4-Chlorotoluene

Concen: 11.424 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029881.D

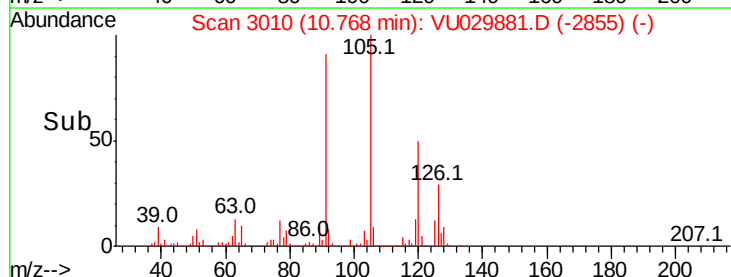
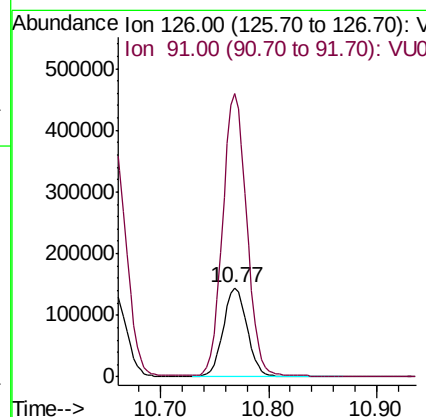
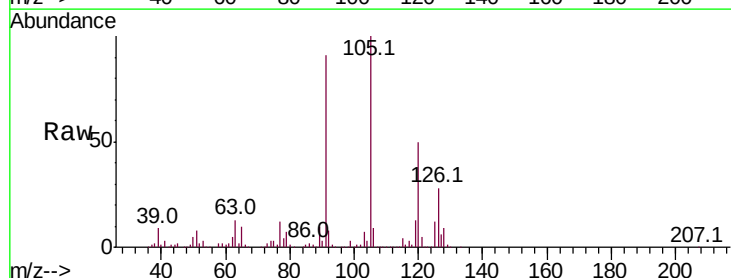
Acq: 08 Mar 2019 11:58

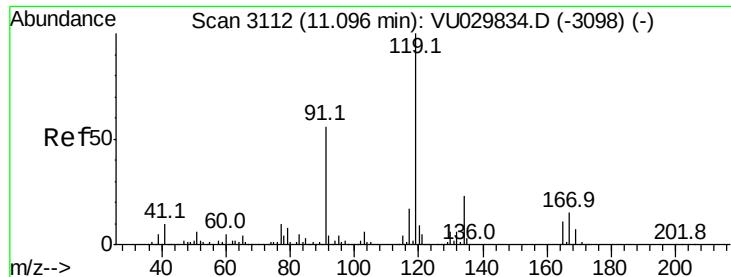
Tgt Ion:126 Resp: 224603

Ion Ratio Lower Upper

126 100

91 318.4 0.0 634.8





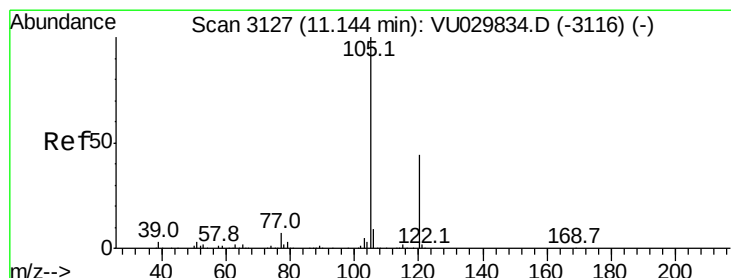
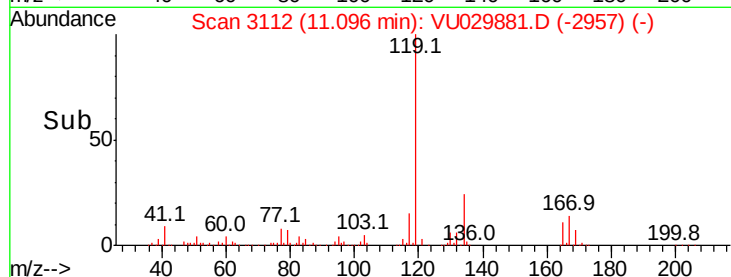
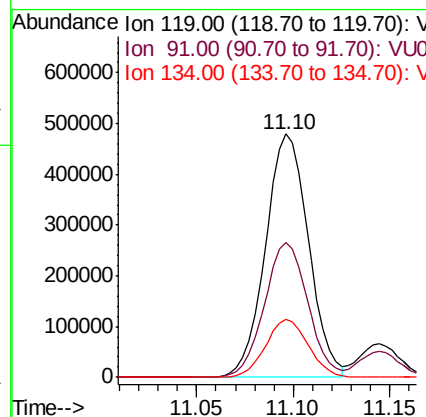
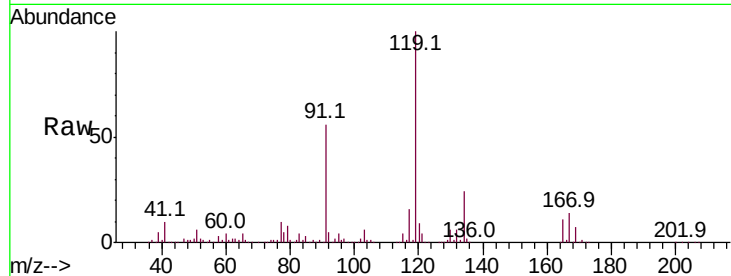
#77
 tert-Butylbenzene
 Concen: 11.510 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	27.7	83.1
134	23.8	18.7	28.1

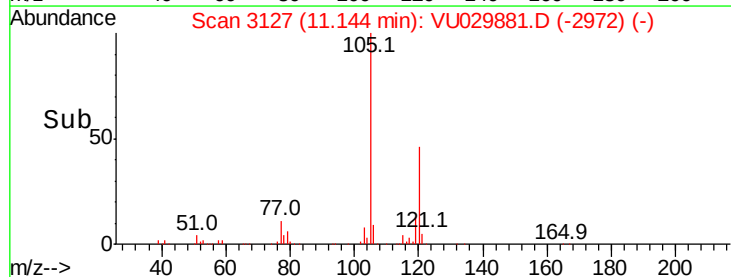
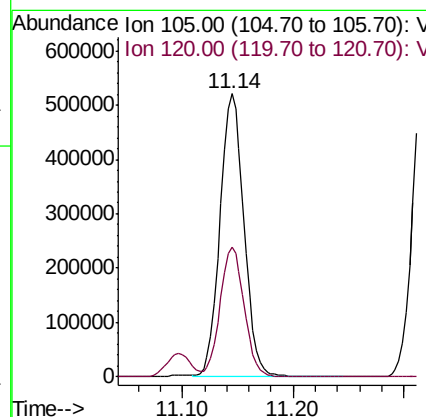
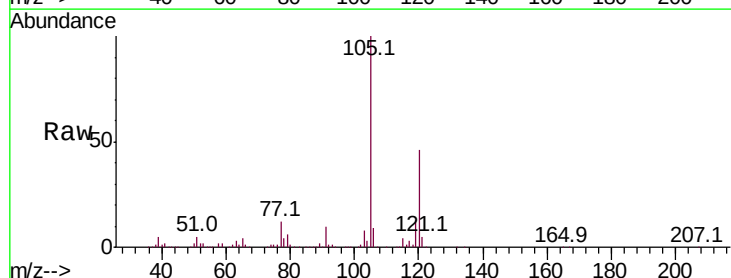
Manual Integrations
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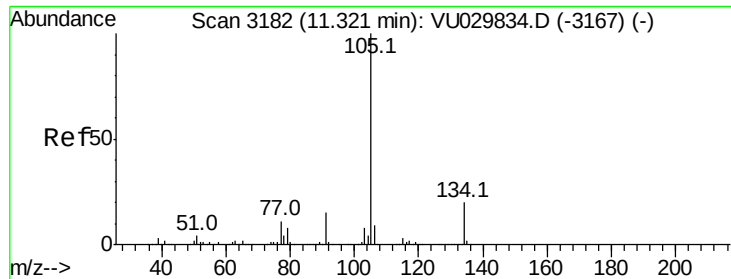
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#78
 1,2,4-Trimethylbenzene
 Concen: 11.885 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5





#79

sec-Butylbenzene

Concen: 11.796 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 1007516

Ion Ratio Lower Upper

105 100

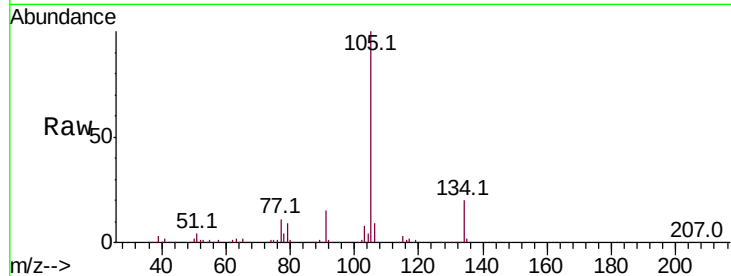
134 20.4 16.3 24.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

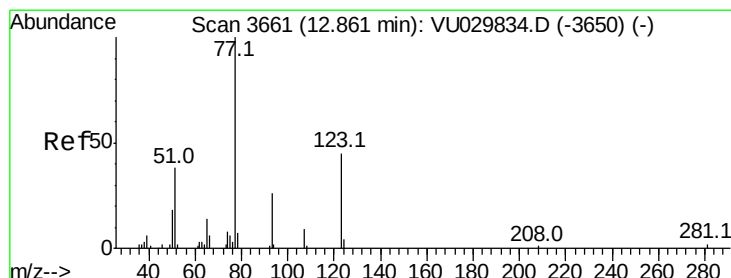
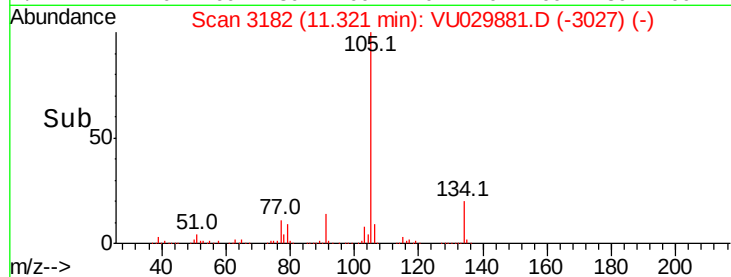
600000

400000

200000

0

Time-->



#80

Nitrobenzene

Concen: 62.909 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

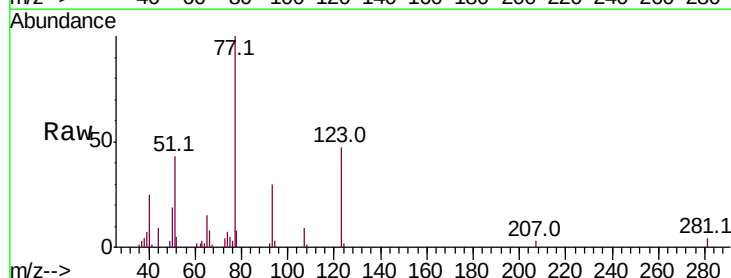
Tgt Ion: 77 Resp: 17965

Ion Ratio Lower Upper

77 100

123 47.8 20.2 71.4

65 13.0 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

12000

10000

8000

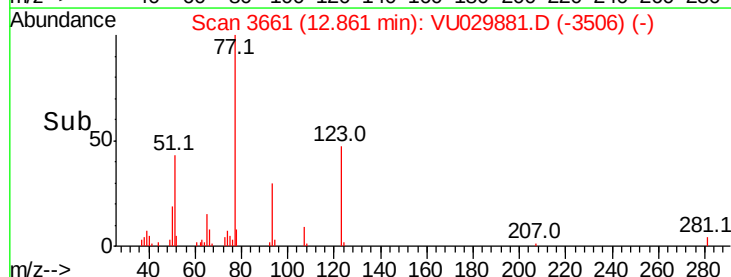
6000

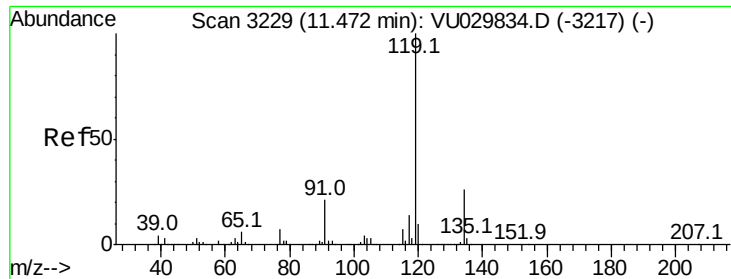
4000

2000

0

Time-->





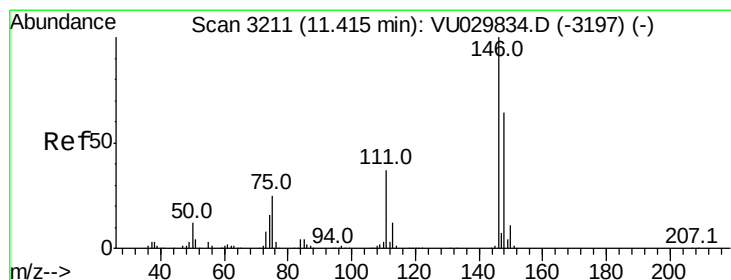
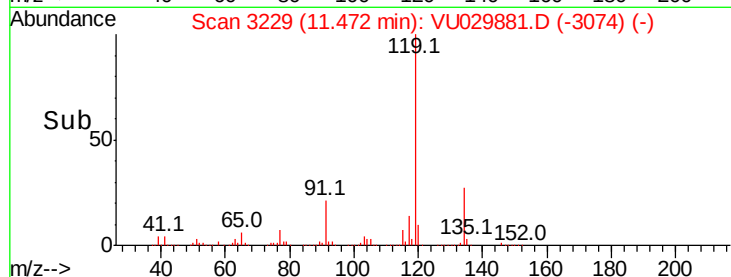
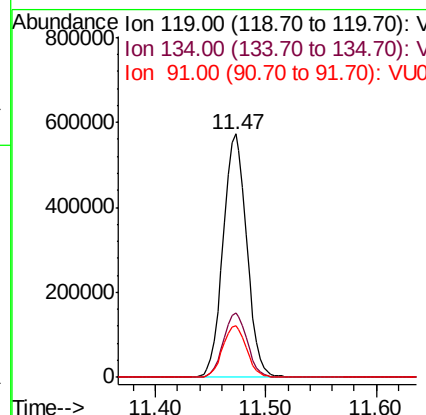
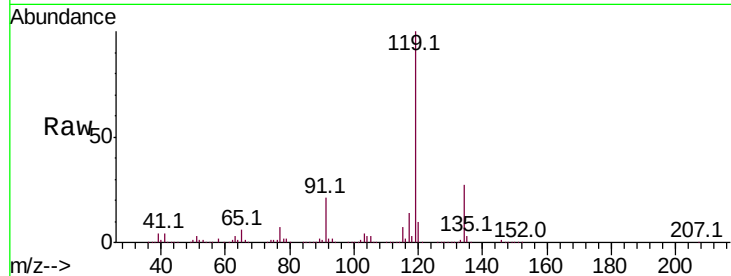
#81
 p-Isopropyltoluene
 Concen: 11.880 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.2	31.8
91	21.5	17.2	25.8

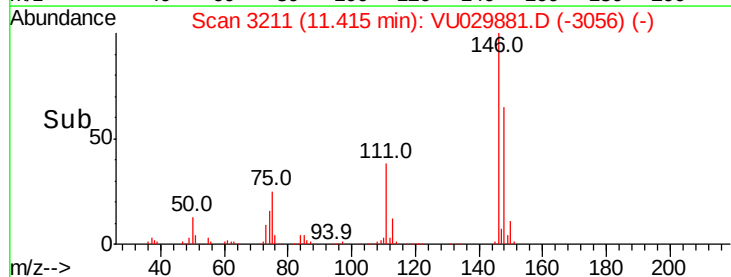
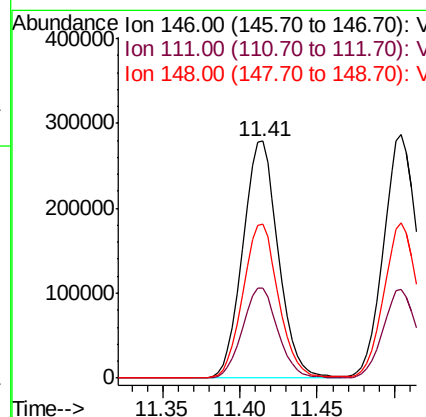
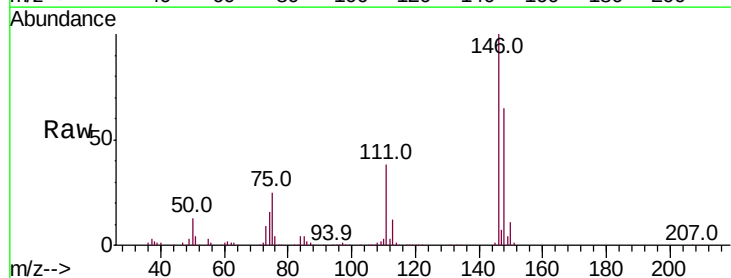
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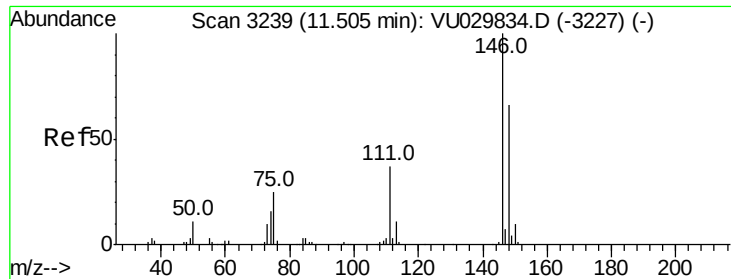
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#82
 1,3-Dichlorobenzene
 Concen: 11.009 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	30.2	45.4
148	64.8	51.2	76.8





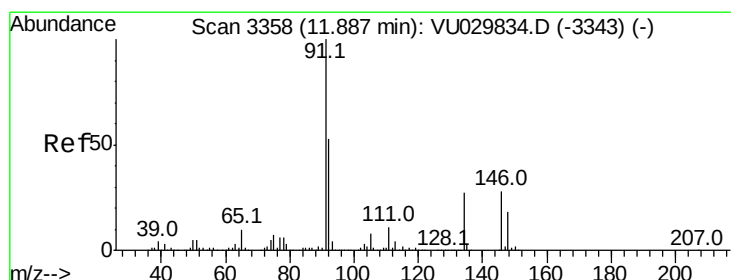
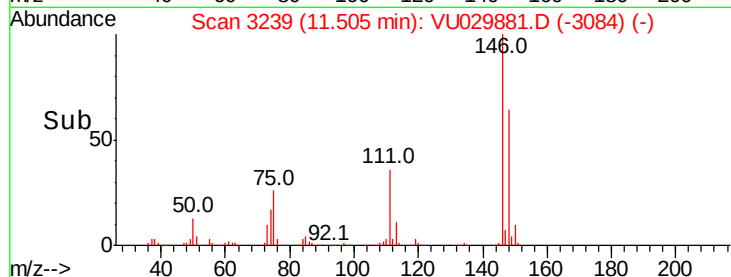
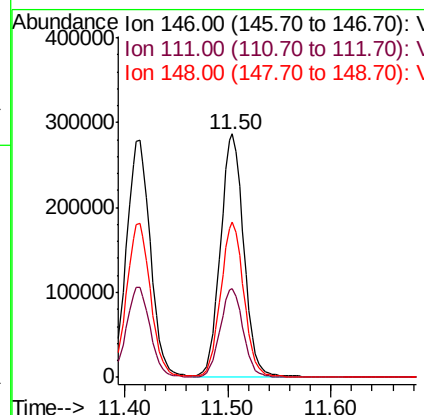
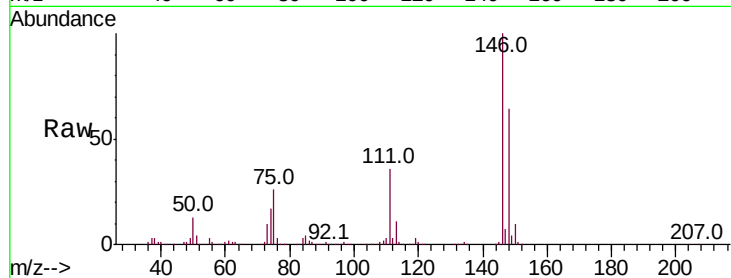
#83
1,4-Dichlorobenzene
Concen: 11.331 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	29.4	44.2
148	63.3	51.7	77.5

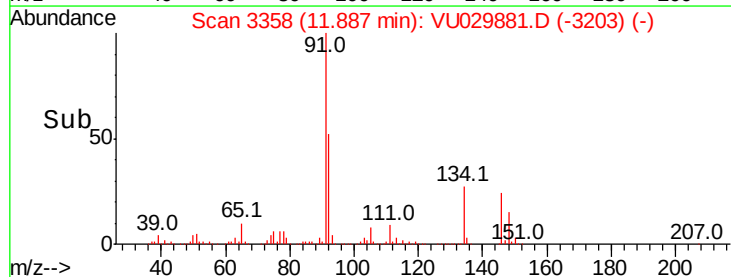
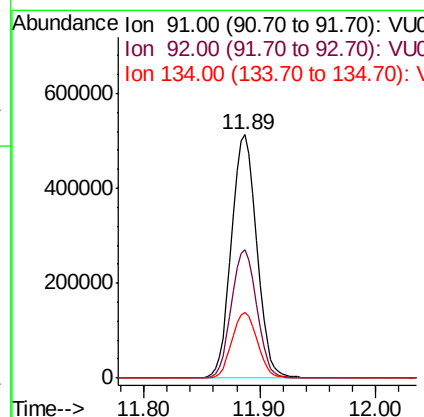
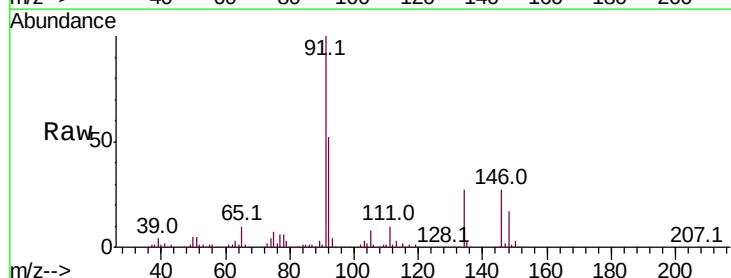
Manual Integrations
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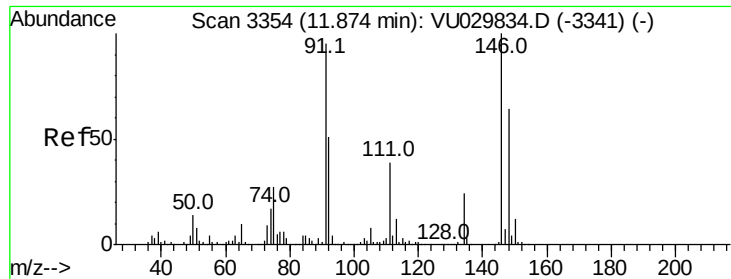
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#84
n-Butylbenzene
Concen: 11.849 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

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





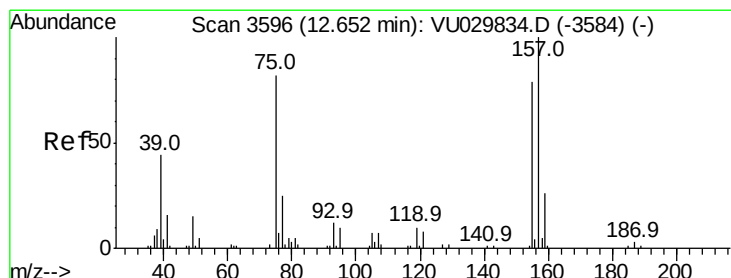
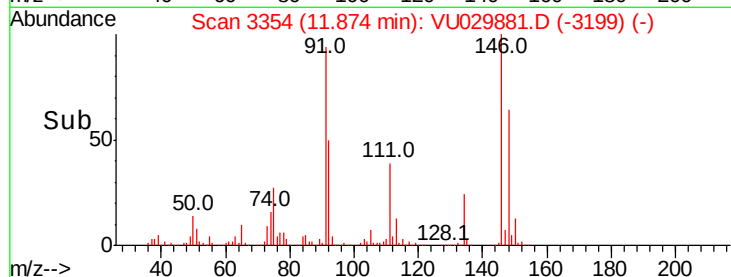
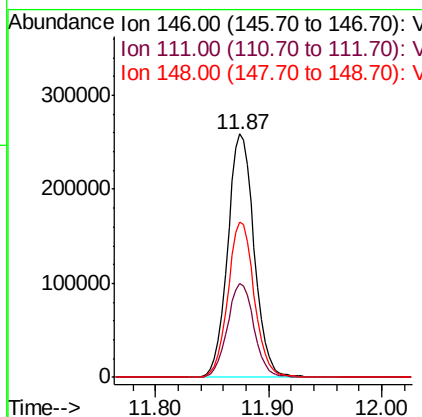
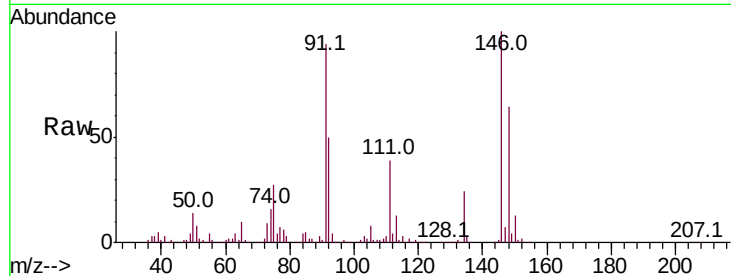
#85
 1,2-Dichlorobenzene
 Concen: 11.009 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	63.6	32.1	96.3

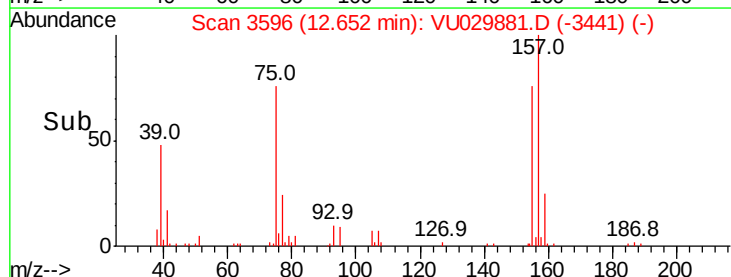
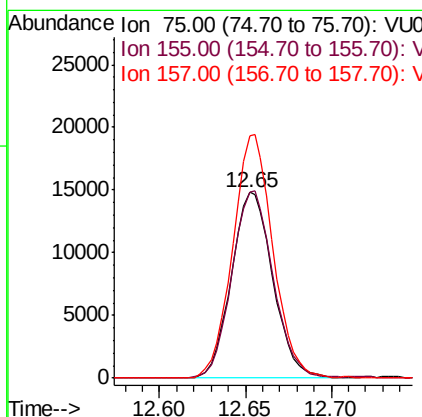
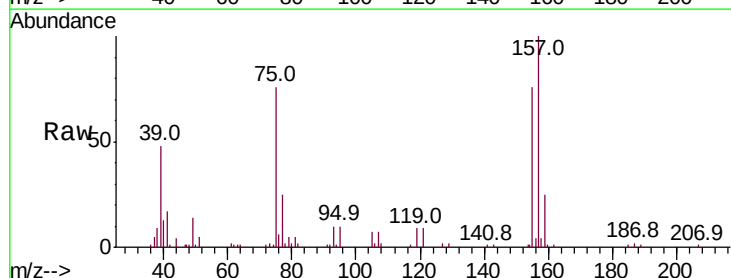
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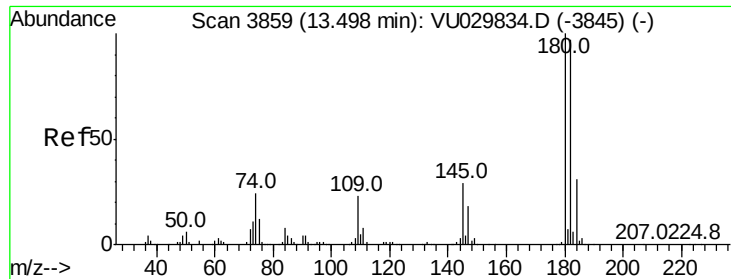
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.097 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029881.D
 Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	76.6	114.8
157	126.8	96.2	144.2





#87

1,2,4-Trichlorobenzene

Concen: 11.872 ug/l

RT: 13.50 min Scan# 3859

Delta R.T. -0.00 min

Lab File: VU029881.D

Acq: 08 Mar 2019 11:58

Instrument :

MSVOA_U

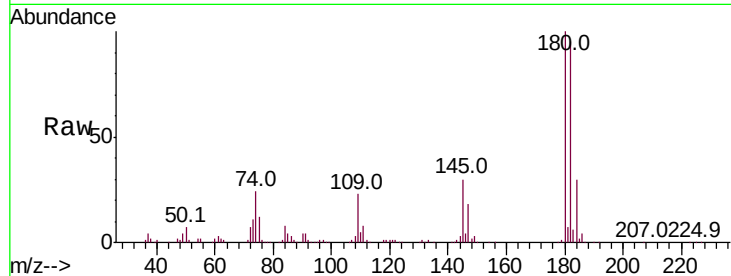
ClientSampleId :

VSTDCCC010EC

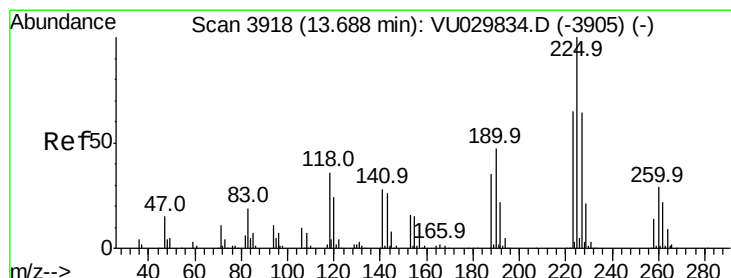
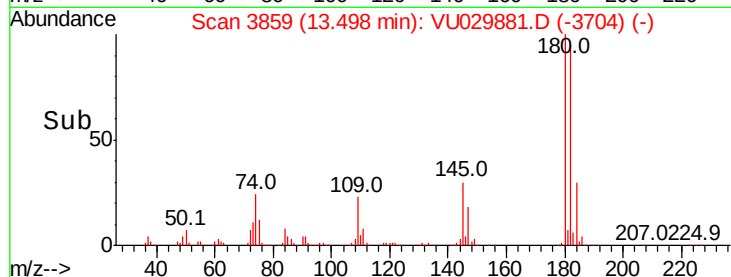
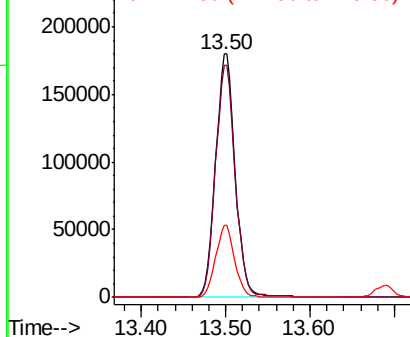
Tot Ion:	180	Resp:	290561
Ion Ratio	Lower	Upper	
180	100		
182	96.0	77.5	116.3
145	28.8	23.6	35.4

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Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 11.233 ug/l

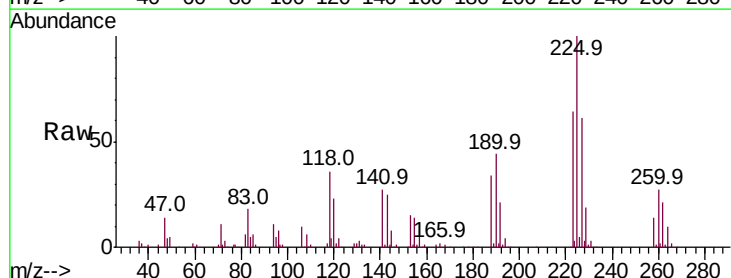
RT: 13.69 min Scan# 3918

Delta R.T. -0.00 min

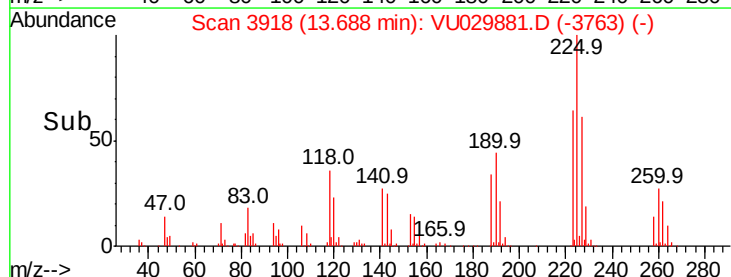
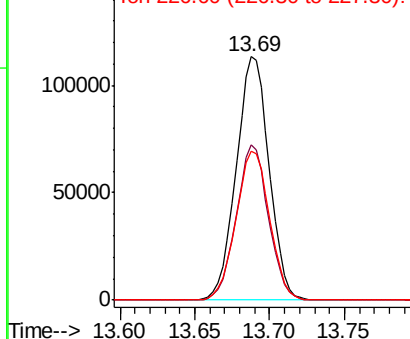
Lab File: VU029881.D

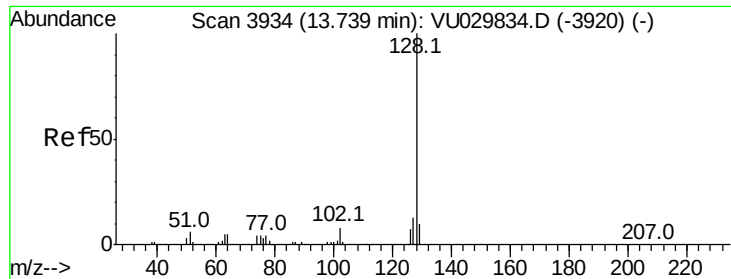
Acq: 08 Mar 2019 11:58

Tgt Ion:	225	Resp:	173186
Ion Ratio	Lower	Upper	
225	100		
223	62.3	51.2	76.8
227	62.6	50.9	76.3



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V





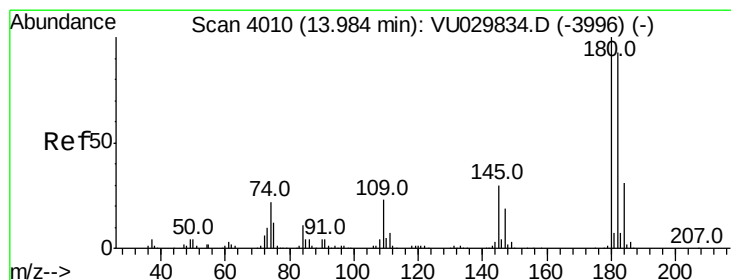
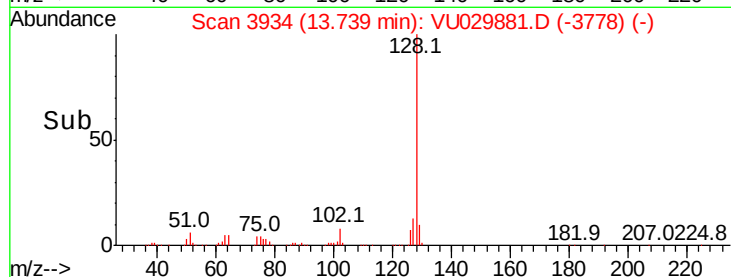
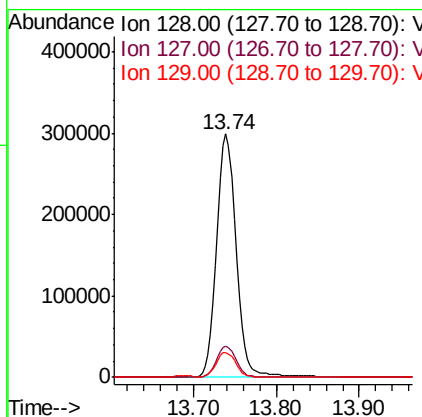
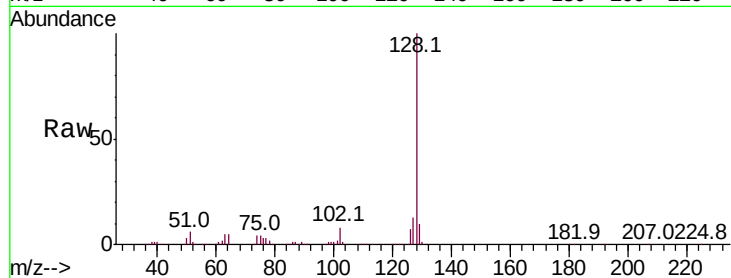
#89
Naphthalene
Concen: 10.355 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.4	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 11.811 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU029881.D
Acq: 08 Mar 2019 11:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.8	112.2
145	29.9	24.6	36.8

